EAST PARK ENERGY

East Park Energy

EN010141

Environmental Statement

Volume 2 – Technical Appendices

Appendix 5-6: Glint and Glare Assessment

Part 1 of 5

Document Reference: EN010141/DR/6.2

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009: Regulation 5(2)(a)

September 2025

Version P01

EAST PARK ENERGY

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Environmental Statement
Volume 2 – Technical Appendices

Appendix 5-6: Glint and Glare Assessment – Part 1 of 5

APFP Regulation Reference:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	EN010141
Application Document Number:	EN010141/DR/6.2
Author:	Neo Environmental

Version	Date	Status
P01	September 2025	DCO Submission

© AXIS P.E.D. Ltd 2025. All rights reserved.

This document and its accompanying documents contain information which is confidential and is intended only for the use of the client. If you are not one of the intended recipients any disclosure, copying, distribution or action taken in reliance on the contents of the information is strictly prohibited.

Unless expressly agreed, any reproduction of material from this document must be requested and authorised in writing from AXIS P.E.D. Ltd. Authorised reproduction of material must include all copyright and proprietary notices in the same form and manner as the original and must not be modified in any way. Acknowledgement of the source of the material must also be included in all references.

Glint and Glare Assessment

East Park Energy

01/09/2025

Disclaimer

Neo Environmental Limited shall have no liability for any loss, damage, injury, claim, expense, cost or other consequence arising as a result of use or reliance upon any information contained in or omitted from this document.

Copyright © 2025

The material presented in this report is confidential. This report has been prepared for the exclusive use of Axis. The report shall not be distributed or made available to any other company or person without the knowledge and written consent of Axis or Neo Environmental Ltd.

Neo Environmental Ltd	
Head Office – Glasgow: Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL. **T:** 0141 773 6262 E: info@neo-environmental.co.uk	**Bristol Office:** Spaces 8th Floor, The Programme Building, Bristol, BS1 2NB. **T:** 01174 571 610 E: info@neo-environmental.co.uk
Warrington Office: 600 Lakeview, Lakeside Drive, Centre Park Square, Warrington, WA1 1RW. **T:** 01925 984 682 E: info@neo-environmental.co.uk	**Rugby Office:** Valiant Suites, Lumonics House, Valley Drive, Swift Valley, Rugby, Warwickshire, CV21 1TQ. **T:** 01788 297012 E: info@neo-environmental.co.uk
Ireland Office: C/O Origin Enterprises PLC, 4-6 Riverwalk Citywest Business Campus Dublin 24, D24 DCW0 T: 00 353 (1) 5634900 E: info@neo-environmental.ie	**Northern Ireland Office:** 83-85 Bridge Street, Ballymena, Co. Antrim, BT43 5EN. T: 0282 565 04 13 E: info@neo-environmental.co.uk

Prepared For:

Axis Ltd

Prepared By:

[redacted] BEng MSc

[redacted] BSc TechIOA

[redacted] BSGeog

	Name	Date
Edited By:	[redacted]	01/09/2025
Checked By:	[redacted]	01/09/2025
	Name	**Signature**
Approved By	[redacted]	[redacted]

Contents

1. EXECUTIVE SUMMARY 6
2. INTRODUCTION 8
Background 8
Scheme Description 8
Site Description 8
Scope of Report 9
Statement of Competence 11
Definitions 11
3. LEGISLATION AND GUIDANCE 13
National Planning Policy Guidance (NPPG) on Renewable and Low Carbon Energy (UK) 13
National Policy Statement for Renewable Energy Infrastructure, November 2023 13
Planning Guidance for the Development of Large-Scale Ground Mounted Solar PV Systems 15
Interim CAA Guidance – Solar Photovoltaic Systems (2010) 15
CAA – CAP738: Safeguarding of Aerodromes 3rd Edition 16
US Federal Aviation Administration Policy 17
FAA Policy: Review of Solar Energy Systems Projects on Federa–ly - Obligated Airports 18
Review of Local Plan 19
4. METHODOLOGY 21
Sun Position and Reflection Model 21
Identification of Receptors 23
Magnitude of Impact 24
5. BASELINE CONDITIONS (Bare-Earth) 28
Ground Based Receptors Reflection Zones 28
6. IMPACT ASSESSMENT 51
Ground Based Receptors 51
7. GROUND BASED RECEPTOR MITIGATION 104
8. SUMMARY 124
9. APPENDICES 126
Appendix A: Figures 126
Appendix B: Residential Receptor Glare Results (Receptors 1 – 65) (15 degrees) 126
Appendix C: Residential Receptor Glare Results (Receptors 1 – 65) (25 degrees) 126

Appendix D: Residential Receptor Glare Results (Receptors 66 – 123) (15 degrees) 126
Appendix E: Residential Receptor Glare Results (Receptors 66 – 123) (25 degrees)..... 126
Appendix F: Residential Receptor Glare Results (Receptors 124 – 174) (15 degrees)..... 127
Appendix G: Residential Receptor Glare Results (Receptors 124 – 174) (25 degrees) 127
Appendix H: Road Receptor Glare Results (Receptors 1 – 86) (15 degrees) 127
Appendix I: Road Receptor Glare Results (Receptors 1 – 86) (25 degrees) 127
Appendix J: Road Receptor Glare Results (Receptors 87 – 171) (15 degrees)..... 127
Appendix K: Road Receptor Glare Results (Receptors 87 – 171) (25 degrees) 127
Appendix L: Aviation Receptor Glare Results A (15 degrees) 127
Appendix M: Aviation Receptor Glare Results A (25 degrees)..... 127
Appendix N: Aviation Receptor Glare Results B (15 degrees)..... 127
Appendix O: Aviation Receptor Glare Results B (25 degrees)..... 127
Appendix P: Bridleway Receptor Glare Results (Receptors 1 – 75) (15 degrees) 128
Appendix Q: Bridleway Receptor Glare Results (Receptors 1 – 75) (25 degrees)..... 128
Appendix R: Bridleway Receptor Glare Results (Receptors 76 – 88) (15 degrees) 128
Appendix S: Bridleway Receptor Glare Results (Receptors 76 – 88) (25 degrees)..... 128
Appendix T: Visibility Assessment Evidence 128
Appendix U: Solar Module Glare and Reflectance Technical Memo 128

1. EXECUTIVE SUMMARY

1.1. This assessment considers the potential impacts on ground-based receptors such as roads, rail, residential dwellings, and bridleways as well as aviation assets. A 1km study area around the Solar PV Site is considered adequate for the assessment of ground-based (residential, rail, road, and bridleway) receptors, whilst a 30km study area is chosen for aviation receptors. Within the ground-based study areas of the Solar PV Site, there are 176 residential receptors, including 20 residential areas, 171 road receptors and 99 bridleway receptors that were considered. As per the methodology section, where there are several residential receptors within close proximity, a representative dwelling or dwellings is/are chosen for full assessment as the impacts will not vary to any significant degree. Where small groups of receptors have been evident, the receptors on either end of the group have been assessed in detail. Two residential receptors, one road receptor and 12 bridleway receptors were dismissed as they are located within the non-reflection zones. 42 aerodromes are located within the 30km study area; two of which, Old Warden Airport and Sackville Farm Aerodrome required detailed assessments as the Solar PV Site is located within their respective safeguarding buffer zones. The other 40 aerodromes did not require a detailed assessment due to their size and/or orientation in relation to the Solar PV Site.

1.2. Geometric analysis was conducted at 174 individual residential receptors, including 20 residential areas, 170 road receptors, and 87 bridleway receptors. Also, geometric analysis was conducted at four runway approach paths at Old Warden Airport and Sackville Farm Aerodrome.

1.3. Following an initial assessment, rail receptors were scoped out as assets that will be impacted upon from the Proposed Development as no rail receptors fell within the 1km study area. The assessment concludes that:

- Solar reflections are possible at 112 of the 174 residential receptors assessed within the 1km study area. Once reviewing the actual visibility of the receptors, glint and glare impacts remain High at four receptors, Low at one receptor and reduce to None for 169 receptors. Once mitigation taken into consideration the impacts all residential receptors reduced to None. Therefore, overall impacts on residential receptors are considered to be None.

- Solar reflections are possible at 168 of the 170 road receptors assessed within the 1km study area. Once reviewing the actual visibility of the receptors, glint and glare impacts remain High at 22 receptors, Low at two receptors and reduced to None for 146 receptors. Once mitigation taken into consideration the impacts all road receptors reduced to None. Therefore, overall impacts on road receptors are considered to be None.

- Solar reflections are possible at 81 of the 87 bridleway receptors assessed within the 1km study area. Once reviewing the actual visibility of the receptors, glint and glare impacts remain **High** at 23 receptors and reduce to **None** at 54 receptors. Once mitigation taken into consideration the impacts all bridleway receptors reduced to **None**. Therefore, overall impacts on bridleway receptors are considered to be **None**.
- **No impact** on train drivers or railway infrastructure is predicted.
- Four runway approach paths were assessed in detailed at Old Warden Airport and Sackville Farm Aerodrome**.** Green glare and yellow glare impacts were predicted for Runway 13 at Sackville Farm Aerodrome. Green glare is an **acceptable impact** upon runways according to FAA guidance. Upon inspection of the type of aircraft using Sackville Farm Aerodrome, time of impact, position of the sun and use of existing pilot mitigation strategies when landing in the direction of the sun, as well as the likely landing direction for the runway and Google Earth aerial imagery indicating the airfield is not in use, all impacts at Sackville Farm Aerodrome can be deemed **acceptable**. Overall impacts on aviation assets are **acceptable** and **Not Significant**.

1.4. **Mitigation** is required due to the **High** impacts at four Residential Receptors, 22 road and 25 Bridleway Receptors. Measures have also been included to mitigate the **Low** impact views from one Residential and two Road Receptors. Mitigation Measures include native hedgerows to be planted/infilled and maintained to a height of at least 3.5m along the north/south/southwest boundary of Array 1, east/north/northwest boundary of Array 2, east/southeast boundary of Array 5, northeast/west/northwest/east/southeast and lining the roads that cross the boundary of Array 6, west/southwest/northeast/east boundary of Array 7, west boundary of Array 8, south boundary of Array 9, northeast/south/southeast boundary of Array 10, southwest boundary of Array 11, and the north/northwest/east boundary of Array 12.

1.5. The effects of glint and glare and their impact on local receptors has been analysed in detail and there is predicted to be **No impacts** at the runway approach paths. Impacts upon ground-based receptors are predicted to be **None.** Therefore, overall impacts are **Negligible**.

2. INTRODUCTION

BACKGROUND

2.1. Neo Environmental Ltd has been appointed by BSSL Cambsbed 1 Ltd (the "Applicant") to undertake a Glint and Glare Assessment for the East Park Energy project (the "Scheme") on lands approximately 14 km north of Bedford.

SCHEME DESCRIPTION

2.2. The Scheme comprises a new ground-mounted solar photovoltaic energy generating station and an associated on-site Battery Energy Storage System (BESS) on land to the north-west of St Neots. The Scheme also includes the associated infrastructure for connection to the national grid at the Eaton Socon National Grid Substation.

2.3. A detailed description of the Scheme is provided in ES Vol 1 Chapter 2: The Scheme [EN010141/DR/6.1], but in summary the Scheme has been divided into 10 Work Packages or 'Works' as follows:

- Work No. 1 – a ground mounted solar photovoltaic generating station;
- Work No. 2 – a Battery Energy Storage System (BESS);
- Work No. 3 – an on-site substation (East Park Substation);
- Work No. 4 – a 400 kV electrical cable connection to the Eaton Socon Substation;
- Work No. 5 – works within the Eaton Socon Substation;
- Work No. 6 – works for internal cabling and ancillary infrastructure;
- Work No. 7 – works for temporary construction and decommissioning compounds and laydown areas;
- Work No. 8 – works to create, enhance and maintain green infrastructure;
- Work No. 9 – works to facilitate access; and
- Work No. 10 – works to create an 'Agrisolar' research area.

2.4. Work No. 1 is the focus of this assessment, as this will be where all solar PV infrastructure would be located, and therefore is where the glint and glare impacts will originate from. For reference, Work No. 1 is shown on the **Works Plan [EN010141/DR/2.3]**.

2.5. Consideration is also given to **ES Vol 3 Figure 2-1: Illustrative Environmental Masterplan [EN010141/DR/6.3]** which illustrates the likely extent and location of planted mitigation that would come forward. The mitigation is located in Work No. 8 and is secured by the Requirement to develop the final landscape proposals in substantial accordance with the Illustrative Landscape Proposals at Appendix A of the **outline Landscape and Ecological Management Plan [EN010141/DR/7.7].**

2.6. Subject to the Scheme securing Development Consent in Winter 2026/27 it is anticipated that works would start on site in early 2028 and be completed by mid-to late 2030. The Scheme comprises a temporary development with an operation phase of 40 years; decommissioning activities would therefore likely commence in 2070, forty years after final commissioning.

Site Description

2.7. The Site is located to the north-west of the town of St Neots, and is across two administrative areas; Bedford Borough Council (a unitary authority) and Huntingdonshire District Council (a two tier authority with Cambridgeshire County Council).

2.8. The Site area extends to approximately 773 hectares (ha) which includes all land required to construct, operate and decommission the Scheme.

2.9. Work No. 1 in which the solar photovoltaic infrastructure would be located covers approximately 446 hectares of land contained within 48 separate development parcels across East Park Sites A, B, C and D. The fields in which the development parcels are located are predominantly in arable agricultural use and bounded by hedgerows. Ground levels within the solar site vary from approximately 27 m above ordnance datum (AOD) to 74 m AOD.

2.10. Settlement around the Site comprises a number of villages, including Pertenhall and Great Staughton to the north, Little Staughton and Keysoe to the south, Swineshead to the west, and Hail Weston to the east.

Scope of Report

2.11. Although there may be small amounts of glint and glare from the metal structures associated with the solar PV panels, this is not likely to be significant. The main source of glint and glare will be from the solar PV panels themselves and this will be the focus of this assessment. Since the Grid Connection Corridor comprises below ground infrastructure and does not comprise of

reflective surfaces, there is no potential for glint and glare effects, therefore this is not considered further in this assessment.

2.12. Solar PV panels are designed to absorb as much light as possible and not to reflect it. However, glint can be produced as a reflection of the sun from the surface of the solar PV panel. This can also be described as a momentary flash. This may be an issue due to visual impact and viewer distraction on ground-based receptors and on aviation.

2.13. Glare is significantly less intense in comparison to glint and can be described as a continuous source of bright light, relative to diffused lighting. This is not a direct reflection of the sun, but a reflection of the sky around the sun, therefore being a significantly lesser of a nuisance than direct sunlight.

2.14. This report focusses on the effects of glint and glare and its impact on local receptors and will be supported with the following Figures and Appendices.

- APPENDIX A: FIGURES:

– Figure 1a: Residential Receptor Map Overall

– Figure 1b: Residential Receptor Map Sheet 1b

– Figure 1c: Residential Receptor Map Sheet 1c

– Figure 1d: Residential Receptor Map Sheet 1d

– Figure 2: Road Receptor Map

– Figure 3: Bridleway Receptor Map

– Figure 4: Panel Area Labels

– Figure 5: Mitigation Areas

– Figure 6: Old Warden Airport Aerodrome Chart

– Figure 7: Sackville Farm Aerodrome Chart

- Appendix B: Residential Receptor Glare Results (Receptors 1 – 65) (15 Degrees)
- Appendix C: Residential Receptor Glare Results (Receptors 1 – 65) (25 Degrees)
- Appendix D: Residential Receptor Glare Results (Receptors 66 – 123) (15 Degrees)
- Appendix E: Residential Receptor Glare Results (Receptors 66 – 123) (25 Degrees)
- Appendix F: Residential Receptor Glare Results (Receptors 124 – 174) (15 Degrees)
- Appendix G: Residential Receptor Glare Results (Receptors 124 – 174) (25 Degrees)

- Appendix H: Road Receptor Glare Results (Receptors 1 – 86) (15 Degrees)
- Appendix I: Road Receptor Glare Results (Receptors 1 – 86) (25 Degrees)
- Appendix J: Road Receptor Glare Results (Receptors 87 – 170) (15 Degrees)
- Appendix K: Road Receptor Glare Results (Receptors 87 – 170) (25 Degrees)
- Appendix L: Aviation Receptor Glare Results A (15 Degrees)
- Appendix M: Aviation Receptor Glare Results A (25 Degrees)
- Appendix N: Aviation Receptor Glare Results B (15 Degrees)
- Appendix O: Aviation Receptor Glare Results B (25 Degrees)
- Appendix P: Bridleway Receptor Glare Results (Receptors 1 – 74) (15 Degrees)
- Appendix Q: Bridleway Receptor Glare Results (Receptors 1 – 74) (25 Degrees)
- Appendix R: Bridleway Receptor Glare Results (Receptors 75 – 87) (15 Degrees)
- Appendix S: Bridleway Receptor Glare Results (Receptors 75 – 87) (25 Degrees)
- Appendix T: Visibility Assessment Evidence
- Appendix U: Solar Module Glare and Reflectance Technical Memo

STATEMENT OF COMPETENCE

2.15. This Glint and Glare Assessment has been produced by Thomas Hughes, Tom Saddington and Michael McGhee of Neo Environmental. Having completed a civil engineering degree in 2012, Michael has produced Glint and Glare assessments for over 2GW of solar farm developments across the UK and Ireland. Tom has an undergraduate degree in Bioengineering and graduated with an MSc in Environmental and Energy Engineering in January 2020. He has been working on various technical assessments including glint and glare reports for numerous solar farms in Ireland and the UK. Thomas graduated from the University of Salford in 2022 with a Bachelor of Science degree in Geography and has previously worked in the transport planning field before joining Neo as a Graduate Environmental Engineer in 2024.

DEFINITIONS

2.16. This study examined the potential hazard and nuisance effects of glint and glare in relation to ground-based receptors, which includes the occupants of surrounding dwellings as well as road users. The US Federal Aviation Administration (FAA) in their "*Technical Guidance for Evaluating Selected Solar Technologies on Airports*"[1] have defined the terms 'Glint' and 'Glare' as meaning;

- Glint – "*A momentary flash of bright light*"; and
- Glare – "*A continuous source of bright light*".

2.17. Glint and glare are essentially the unwanted reflection of sunlight from reflective surfaces. This study used a multi-step process of elimination to determine which receptors have the potential to experience the effects of glint and glare. It then examined, using a computer-generated geometric model, the times of the year and the times of the day such effects could occur. This is based on the relative angles between the sun, the panels, and the receptor throughout the year.

2.18. The ocular impact upon a receptor will be assessed and used as the basis of categorising the magnitude of impact at each receptor. For the avoidance of doubt specular impact is a term that refers to the impact produced by the PV panels, whilst ocular impact is the impact observed by the observer.

General Nature of Reflectance from Photovoltaic Panels

2.19. In terms of reflectance, solar PV panels are by no means a highly reflective surface. They are designed to absorb sunlight and not to reflect it. Nonetheless, solar PV panels have a flat polished surface that omit 'specular' reflectance rather than a 'diffuse' reflectance, which would occur from a rough surface. Several studies have shown that solar PV panels (as opposed to Concentrated Solar Power) have similar reflectance characteristics to water, which is much lower than the likes of glass, steel, snow and white concrete by comparison (See Appendix U). Similar levels of reflectance can be found in rural environments from the likes of shed roofs and the lines of plastic mulch used in cropping. In terms of the potential for reflectance from solar PV panels to cause hazard and/ or nuisance effects, there have been a number of studies undertaken in respect of schemes in close proximity to airports. The most recent of these was compiled by the Solar Trade Association (STA) in April 2016 and used a number of case studies and expert opinions, including that from Neo. The summary of this report states that "*the STA*

1 Harris, Miller, Miller & Hanson Inc. (November 2010). Technical Guidance for Evaluating Selected Solar Technologies on Airports; 3.1.2 Reflectivity. Technical Guidance for Evaluating Selected Solar Technologies on Airports. Available at:

https://documents.pub/document/technical-guidance-for-evaluating-selected-solar-technologies-on.html?page=1

does not believe that there is cause for concern in relation to the impact of glint and glare from solar PV on aviation and airports…"[2].

Time Zones / Datums

2.20. Locations in this report are given in Eastings and Northings using the 'British National Grid' grid reference system unless otherwise stated.

2.21. England uses British Summer Time (BST, UTC + 01:00) in the summer months and Greenwich Mean Time (UTC+0) in the winter period. For the purposes of this report all time references are in GMT.

2 Solar Trade Association. (April 2016). Summary of evidence compiled by the Solar Trade Association to help inform the debate around permitted development for non - domestic solar PV in Scotland. Impact of solar PV on aviation and airports. Available at: https://docs.planning.org.uk/20210222/90/QNMZQ4EXINS00/i4uv1hvoemy3m7f5.pdf

3. LEGISLATION AND GUIDANCE

3.1. There is no legislation and limited guidance or policy available in the UK at present in relation to the assessment of glint and glare from Scheme developments. Available UK guidance is reviewed below, in addition to references to international guidance where deemed suitable.

NATIONAL PLANNING POLICY GUIDANCE (NPPG) ON RENEWABLE AND LOW CARBON ENERGY (UK) [3]

3.2. Paragraph 013 (Reference ID: 5-013-20150327) sets out planning considerations that relate to large scale ground-mounted solar PV farms. This determines that the deployment of large-scale solar farms can have a negative impact on the rural environment, particularly in undulating landscapes. However, the visual impact of a well-planned and well-screened solar farm can be properly addressed within the landscape if planned sensitively. Considerations to be taken into account by local planning authorities are:

- *"The proposal's visual impact, the effect on landscape of glint and glare and on neighbouring uses and aircraft safety;*
- *I extent to which there may be additional impacts if solar arrays follow the daily movement of the sun."*

NATIONAL POLICY STATEMENT FOR RENEWABLE ENERGY INFRASTRUCTURE, NOVEMBER 2023

3.3. Section 2.10 of the EN-3 provides the following commentary in relation to Glint and Glare impacts:

> *"2.10.102 Solar panels are specifically designed to absorb, not reflect, irradiation. However, solar panels may reflect the sun's rays at certain angles, causing glint and glare. Glint is defined as a momentary flash of light that may be produced as a direct reflection of the sun in the solar panel. Glare is a continuous source of excessive brightness experienced by a stationary observer located in the path of reflected sunlight from the face of the panel. The effect occurs when the solar panel is stationed between or at an angle of the sun and the receptor.*

[3] NPPG Renewable and Low Carbon Energy. Available at: http://planningguidance.communities.gov.uk/blog/guidance/renewable-and-low-carbon-energy/particular-planning-considerations-for-hydropower-active-solar-technology-solar-farms-and-wind-turbines/#paragraph_012

2.10.103 Applicants should map receptors to qualitatively identify potential glint and glare issues and determine if a glint and glare assessment is necessary as part of the application.

2.10.104 When a quantitative glint and glare assessment is necessary, applicants are expected to consider the geometric possibility of glint and glare affecting nearby receptors and provide an assessment of potential impact and impairment based on the angle and duration of incidence and the intensity of the reflection.

2.10.105 The extent of reflectivity analysis required to assess potential impacts will depend on the specific project site and design. This may need to account for 'tracking' panels if they are proposed as these may cause differential diurnal and/or seasonal impacts.

2.10.106 When a glint and glare assessment is undertaken, the potential for solar PV panels, frames and supports to have a combined reflective quality may need to be assessed, although the glint and glare of the frames and supports is likely to be significantly less than the panels."

"2.10.134 Applicants should consider using, and in some cases the Secretary of State may require, solar panels to comprise of (or be covered with) anti-glare/anti-reflective coating with a specified angle of maximum reflection attenuation for the lifetime of the permission.

2.10.135 Applicants may consider using screening between potentially affected receptors and the reflecting panels to mitigate the effects.

2.10.136 Applicants may consider adjusting the azimuth alignment of or changing the elevation tilt angle of a solar panel, within the economically viable range, to alter the angle of incidence. In practice this is unlikely to remove the potential impact altogether but in marginal cases may contribute to a mitigation strategy."

"2.10.158 Solar PV panels are designed to absorb, not reflect, irradiation. However, the Secretary of State should assess the potential impact of glint and glare on nearby homes, motorists, public rights of way, and aviation infrastructure (including aircraft departure and arrival flight paths).

2.10.159 Whilst there is some evidence that glint and glare from solar farms can be experienced by pilots and air traffic controllers in certain conditions, there is no evidence that glint and glare from solar farms results in significant impairment on aircraft safety. Therefore, unless a significant impairment can be demonstrated, the Secretary of State is unlikely to give any more than limited weight to claims of aviation interference because of glint and glare from solar farms."

3.4. This Glint and Glare Assessment will be taking account of impacts upon nearby homes, motorists, and aviation receptors. Due to assuming complete coverage in the area where solar panels are located within the Solar PV Site, glint and glare impacts from frames and supports are considered within this assessment.

PLANNING GUIDANCE FOR THE DEVELOPMENT OF LARGE-SCALE GROUND MOUNTED SOLAR PV SYSTEMS

3.5. As outlined within the BRE document 'Planning Guidance for the Development of Large-Scale Ground Mounted Solar PV Systems'[4]:

> *"Glint may be produced as a direct reflection of the sun in the surface of the solar PV panel. It may be the source of the visual issues regarding viewer distraction. Glare is a continuous source of brightness, relative to diffused lighting. This is not a direct reflection of the sun, but rather a reflection of the bright sky around the sun. Glare is significantly less intense than glint.*
>
> *Solar PV panels are designed to absorb, not reflect, irradiation. However, the sensitivities associated with glint and glare, and the landscape/ visual impact and the potential impact on aircraft safety, should be a consideration. In some instances, it may be necessary to seek a glint and glare assessment as part of a planning application. This may be particularly important if 'tracking' panels are proposed as these may cause differential diurnal and/or seasonal impacts.*
>
> *The potential for solar PV panels, frames and supports to have a combined reflective quality should be assessed. This assessment needs to consider the likely reflective capacity of all of the materials used in the construction of the solar PV farm."*

3.6. This Glint and Glare Assessment will be taking account of impacts upon nearby homes, motorists, and aviation receptors. Due to assuming complete coverage in the area where solar panels are located within the Solar PV Site, glint and glare impacts from frames and supports are considered within this assessment.

INTERIM CAA GUIDANCE – SOLAR PHOTOVOLTAIC SYSTEMS (2010)

3.7. There is little guidance on the assessment of glint and glare from solar farms with regards to aviation safety. The Civil Aviation Authority (CAA) has published interim guidance on 'Solar Photovoltaic Systems[5]', they also intend to undertake a review of the potential impacts of solar PV developments upon aviation, however this is yet to be published.

3.8. The interim guidance identifies the key safety issues with regards to aviation, including *"glare, dazzling pilots leading them to confuse reflections with aeronautical lights."* It is outlined that

[4] BRE (2013) *Planning Guidance for the Development of Large Scale Ground Mounted Solar PV Systems*. Available at: https://www.bre.co.uk/filelibrary/pdf/other_pdfs/KN5524_Planning_Guidance_reduced.pdf

[5] *CAA (2010) Interim CAA Guidance – Solar Photovoltaic Systems. Available at: https://webarchive.nationalarchives.gov.uk/ukgwa/20141202114709/https://www.caa.co.uk/docs/697/srg_asd_solarphotovoltaicsystguidance.pdf*

solar farm developers should be aware of the requirements to comply with the Air Navigation Order (ANO), published in 2016 and amended in 2022. In particular, developers should be cognisant of the following articles of the ANO[6], including:

- *Article 240 – Endangering safety of an aircraft – "A person must not recklessly or negligently act in a manner likely to endanger an aircraft, or any person in an aircraft."*
- *Article 224 - Lights liable to endanger – "A person must not exhibit in the United Kingdom any light which:*

– *a) by reason of its glare is liable to endanger aircraft taking off or from landing at an aerodrome; or*

– *b) by reason of its liability to be mistaken for an aeronautical ground light liable to endanger aircraft."*

- *Article 225 – Lights which dazzle or distract – "A person must not in the United Kingdom direct or shine any light at any aircraft in flight so as to dazzle or distract the pilot of the aircraft."*

3.9. Relevant studies generally agree that there is potential for glint and glare from photovoltaic panels to cause a hazard or nuisance for surrounding receptors, but that the intensity of such reflections is similar to that emanating from still water. This is considerably lower than for other manmade materials such as glass, steel or white concrete (SunPower – 2009).

3.10. These Articles are considered within the assessment of glint and glare for the Scheme.

CAA – CAP738: Safeguarding of Aerodromes 3rd Edition[7]

3.11. In 2003, the CAA first introduced the CAP738 document to help provide advice and guidance to ensure aerodrome safeguarding. Subsequently, there have been two updates to this document in 2006 and 2020.

3.12. Within the latest edition of CAP738, it outlines that the purpose of the document is to protect an aerodrome and to ensure safe operation. Specifically stating:

"Its purpose is to protect:

[6] CAA (2016) Air Navigation: The Order and Regulations. Available at: https://www.legislation.gov.uk/uksi/2017/1112/contents/made

[7] Civil Aviation Authority (2020). CAP738 – Safeguarding of Aerodromes 3rd Edition. Available at: https://www.caa.co.uk/publication/download/12346

Aircraft from the risk of glint and glare e.g. solar panels."

3.13. Within the section named as "Appendix C – Solar Photovoltaic Cells", the following is stated:

"Policy

1. In 2010 the CAA published interim guidance on Solar Photovoltaic Cells (SPCs). At that time, it was agreed that we would review our policy based on research carried out by the Federal Aviation Authorities (FAA) in the United States, in addition to reviewing guidance issued by other National Aviation Authorities. New information and field experience, particularly with respect to compatibility and glare, has resulted in the FAA reviewing its original document 'Technical Guidance for Evaluating Selected Solar Technologies on Airports', which is likely to be subject to change, see link;

https://www.federalregister.gov/documents/2013/10/23/2013-24729/interimpolicy-faa-review-of-solar-energy-system-projects-on-federally-obligated-airports

2. In the United Kingdom there has been a further increase in SPV cells, including some located close to aerodrome boundaries; to date the CAA has not received any detrimental comments or issues of glare at these established sites. Whilst this early indication is encouraging, those responsible for safeguarding should remain vigilant to the possibility."

In summary, the above is stating that to date, there has not been any complications on airfields due to glare originating from solar farms across the UK.

US Federal Aviation Administration Policy

3.14. The US Federal Aviation Administration (FAA) in their Solar Guide (Federal Aviation Authority, 2010)[8] incorporates a chapter on the impact and assessment of glint from solar panels. It concludes that (although subject to revision):

"…evidence suggests that either significant glare is not occurring during times of operation or if glare is occurring, it is not a negative effect and is a minor part of the landscape to which pilots and tower personnel are exposed."

3.15. The interim policy (Federal Register, 2013)[9] demands that an ocular impact assessment must be assessed at 1-minute intervals from when the sun rises above the horizon until the sun sets below the horizon. Specifically, the developer must use the 'Solar Glare Hazard Analysis Tool' (SGHAT) tool specifically and reference its results as this was developed by the FAA and Sandia

[8] FAA (2010), Technical Guidance for Evaluating Selected Solar Technologies on Airports. Available at https://www.faa.gov/sites/faa.gov/files/airports/environmental/FAA-Airport-Solar-Guide-2018.pdf

[9] FAA (2013), Interim Policy, *FAA Review of Solar Energy System Projects on Federally Obligated Airports*. Available at https://www.federalregister.gov/documents/2013/10/23/2013-24729/interim-policy-faa-review-of-solar-energy-system-projects-on-federally-obligated-airports

National Laboratories as a standard and approved methodology for assessing potential impacts on aviation interests, although it notes other assessment methods may be considered. The SGHAT tool has since been licensed to a private organisation who were also involved in its development and it is the software model used in this assessment.

3.16. Crucially, the policy provides a quantitative threshold that is lacking in the English guidance. This outlines that a solar development will not automatically receive an objection on glint grounds if low intensity glint is visible to pilots on final approach. In other words, low intensity glint with a low potential to form a temporary after-image (Green Glare) would be considered acceptable under US guidance. Due to the lack of legislation and guidance within England, this US document has been utilised as guidance for this report, which is accepted as best practice in the UK with the absence of quantitative guidance.

3.17. The FAA guidance states that for a solar PV development to obtain FAA approval or to receive no objection, the following two criteria must be met:

- No potential for glint or glare in the existing or planned Air Traffic Control Tower (ATCT); and
- No potential for glare (glint) or "low potential for after-image" (Green Glare) along the final approach path for any existing or future runway landing thresholds (including planned or interim phases), as shown by the approved layout plan (ALP). The final approach path is defined as 2 miles from 50 feet above the landing threshold using a standard 3-degree glide path.

3.18. The geometric analysis included later in this report, which defines the extent and time at which glint may occur, is required by the FAA as the methodology to be used when assessing glint and glare impacts on aviation receptors. This report follows the methodology required by the FAA as it offers the most robust assessment method currently available.

FAA Policy: Review of Solar Energy Systems Projects on Federa–ly - Obligated Airports[10]

3.19. The FAA updated their Interim Policy from 2013 as part of their commitment to "*update policies and procedures as part of an iterative process as new information and technologies become available.*" The main development regarding Glint and Glare since the Interim Policy is the following:

[10] FAA (2021). FAA Policy: Review of Solar Energy Systems Projects on Federally – Obligated Airports. Available at: https://www.federalregister.gov/documents/2021/05/11/2021-09862/federal-aviation-administration-policy-review-of-solar-energy-system-projects-on-federally-obligated

"Initially, FAA believed that solar energy systems could introduce a novel glint and glare effect to pilots on final approach. FAA has subsequently concluded that in most cases, the glint and glare from solar energy systems to pilots on final approach is similar to glint and glare pilots routinely experience from water bodies, glass-façade buildings, parking lots, and similar features. However, FAA has continued to receive reports of potential glint and glare from on-airport solar energy systems on personnel working in ATCT cabs."

3.20. This is outlining that solar panels are similar to nuisances that are already caused by other existing infrastructure, such as car parks, glass buildings and water bodies. Furthermore, the ATCT has been outlined as the key receptor to be assessed when determining Glint and Glare impacts from a solar farm.

3.21. Again, in respect of an absence of UK guidance, this is used as the best practice when assessing aviation receptors.

REVIEW OF LOCAL PLAN

Bedford Local Plan 2030

3.22. Bedford Borough Council has prepared a Local Plan[11] which was adopted by Full Council on 15 January 2020.

3.23. The plan states in **Policy 57 – Renewable energy – general impact** that:

'Proposals for development involving the provision of renewable and/or low carbon energy generation, including community energy projects, will be supported, subject to the acceptability of their wider impacts. As part of such proposals it shall be demonstrated that all of the following potential impacts (including cumulative impacts) have been fully addressed in consultation with affected local communities.

Additional impacts for solar energy schemes

xi. Amenity impacts – disturbance, noise, glint and glare.

xiii. Aviation.'

3.24. Bedford Borough Council is preparing Local Plan 2040[12] which builds on the Local Plan 2030 strategy and rolls the planning of the Borough on a further 10 years to 2040. The consultation on the Local Plan 2040 is now closed and took place between 15 June 2022 and 29 July 2022.

[11] Bedford Local Plan 2030, available at: https://www.bedford.gov.uk/planning-and-building-control/planning-policy/local-plan-2030/local-plan-2030-overview

[12] Bedford Local Plan 2040, available at: https://www.bedford.gov.uk/planning-and-building-control/planning-policy/local-plan-2040

3.25. There are no policies contained within the Local Plan 2040 which are of relevance to this glint and glare report.

Huntingdonshire Local Plan to 2036

3.26. The Huntingdonshire Local Plan to 2036[13] was formally adopted by Huntingdonshire District Council on 15 May 2019.

3.27. There are no policies contained within the Local Plan to 2036 which are of relevance to this glint and glare report.

3.28. On 24 January 2023, Huntingdonshire District Council's Cabinet agreed to the preparation of a full update[14] to the adopted Local Plan. There are currently no published policies for the Local Plan update.

[13] Huntingdonshire Local Plan to 2036, available at: https://www.huntingdonshire.gov.uk/planning/local-plan-to-2036/

[14] Huntingdonshire Local Plan Update, available at: https://www.huntingdonshire.gov.uk/planning/local-plan-update/

4. METHODOLOGY

4.1. A desk-based assessment was undertaken to identify when and where glint and glare may be visible at receptors within the vicinity of the Scheme, throughout the day and the year.

SUN POSITION AND REFLECTION MODEL

Sun Data Model

4.2. The calculations in the solar position calculator are based on equations from Astronomical Algorithms[15]. The sunrise and sunset results are theoretically accurate to within a minute for locations between +/- 72° latitude, and within 10 minutes outside of those latitudes. However, due to variations in atmospheric composition, temperature, pressure and conditions, observed values may vary from calculations.

Solar Reflection Model

4.3. The position of the sun is calculated at one-minute intervals of a typical year.

4.4. In order to determine if a solar reflection will reach a receptor, the following variables are required:

- Sun position;
- Observer location; and
- Tilt, orientation, and extent of the modules in the solar array.

4.5. The model assumes that the azimuth and horizontal angle of the sun is the same across the whole Solar PV Site. This is considered acceptable due to the distance of the sun from the Scheme and the miniscule differences in location of the sun over the Solar PV Site.

4.6. Once the position of the sun is known for each time interval, a vector reflection equation determines the reflected sun vector, based on the normal vector of the solar array panels. This assumes that the angle of reflection is equal to the angle of incidence reflected across a normal plane. In this instance, the plane being the vector which the solar panels are facing.

4.7. On knowing the vector of the solar reflection, the azimuth is calculated and the horizontal reflection from multiple points within the Solar PV Site. These are then compared with the azimuth and horizontal angle of the receptor from the Solar PV Site to determine if it is within range to receive solar reflections.

[15] Jean Meeus, Astronomical Algorithms (Second Edition), 1999

4.8. The solar reflection in the model is considered to be specular as a worst-case scenario. In practice, the light from the sun will not be fully reflected as solar panels are designed to absorb light rather than reflect it. The text above and Appendix U outlines the reflective properties of solar glass and compares it to other reflective surfaces. Although the exact figures in this report could contain a margin of error, it is included as a visual guide and it agrees with most other reports, in that solar glass has less reflective properties than other types of glass, bodies of water and snow, and that the amount of reflective energy drops as the angle of incidence decreases.

4.9. Most modern solar PV panels have a slight surface texture which should have a small effect on diffusing the solar radiation further. Although, this has not been modelled to conform with the worst-case scenario assessment.

4.10. The panel reflectivity has been modelled to assume an anti-reflective coating (ARC), which is the industry standard for solar PV panels and further reduces the reflective properties of the solar PV panels.

Determination of Ocular Impact

4.11. The software used for this assessment is based on the Sandia Laboratories Solar Glare Hazard Analysis Tool (SGHAT). This tool is specifically mentioned in the FAA guidance as the software that should be used in this type of assessment. Again, this is following the current best practice available due to the lack of UK guidance.

4.12. Determination of the ocular impact requires knowledge of the direct normal irradiance, solar PV panel reflectance, size and orientation of the array, optical properties of the PV module, and ocular parameters. These values are used to determine the retinal irradiance and subtended source angle used in the ocular hazard plot.

4.13. The ocular impact[16] of viewed glare can be classified into three levels based on the retinal irradiance and subtended source angle: low potential for after-image (green), potential for after-image (yellow), and potential for permanent eye damage (red).

4.14. Green glare can be ignored when looking at ground based and some aviation receptors. Green glare does not cause temporary flash blindness and happens at an instant with very slight disturbance. As per FAA guidelines, mitigation is only required for green glare when affecting an Air Traffic Control Tower, but not for when affecting pilots. Therefore, it can be assumed that green glare is acceptable for ground-based receptors.

4.15. The subtended source angle represents the size of the glare viewed by an observer, while the retinal irradiance determines the amount of energy impacting the retina of the observer. Larger source angles can result in glare of high intensity, even if the retinal irradiance is low.

[16] Ho, C.K., C.M. Ghanbari, and R.B. Diver, 2011, Methodology to Assess Potential Glint and Glare Hazards From Concentrating Solar Power Plants: Analytical Models and Experimental Validation, Journal of Solar Energy Engineering-Transactions of the Asme, 133(3).

4.16. The modelling software outputs a hazard plot for each receptor predicted to be impacted by glare from the PV array. An orange dot is plotted for each minute of glare indicating the irradiance (power density) of the reflected solar light. A yellow dot is plotted to show the irradiance of the Sun when it is viewed directly. The hazard plot shows that the irradiance of the Sun is approximately three orders of magnitude greater than the reflected irradiance, i.e., the power density of solar reflections from photovoltaic panels are approximately 0.1% that of viewing the Sun. Due to the disparity in irradiance, whenever the Sun is observed in the same frame as solar reflections from a PV array, the Sun will be main source of glare impacts upon the observer. In such a case, the impact is deemed to be Low as a worst-case scenario.

Relevant Parameters of the Scheme

4.17. The photovoltaic panels are oriented in a southwards direction to maximise solar gain and will remain in a fixed position throughout the day and during the year (i.e. they will not rotate to track the movement of the sun). The panels will face southwards and will be inclined at an angle of between 15 and 25 degrees.

4.18. The height of the panels above ground level is a maximum of 3m and points at the top of the panels are used to determine the potential for glint and glare generation.

IDENTIFICATION OF RECEPTORS

Ground Based Receptors

4.19. Glint is most likely to impact upon a ground-based receptor close to dusk and dawn, when the sun is at its lowest in the sky. Therefore, any effect would likely occur early in the day or late in the day, reflected to the west at dawn and east at dusk.

4.20. A 1km Study Area from the panels was deemed appropriate for the assessment of ground-based receptors as this seemed to contain a good spread of residential and road receptors in most directions from the Solar PV Site. The further distance a receptor is from a solar farm, the less chance it has of being affected by glint and glare due to scattering of the reflected beam and atmospheric attenuation, in addition to obstructions from ground sources, such as any intervening vegetation or buildings. This is based on best practice and our experience of completing Glint and Glare Assessments across the UK and Ireland.

4.21. An observer height of 2m was utilised for residential receptors, as this is a typical height for a ground-floor window. With regards to road users, a receptor height of 1.5m was employed as this is typical of eye level. Horse rider eye level has been assumed to be 2.5m above ground level for bridleway receptors.

4.22. An assessment was undertaken to determine zones where solar reflections will never be directed near ground level.

4.23. Where there are several residential receptors within close proximity, a representative dwelling or dwellings is/are chosen for full assessment as the impacts will not vary to any significant degree. Where small groups of receptors have been evident, the receptors on either end of the group have been analysed in detail with the worst-case impacts attributed to that receptor.

Aviation

4.24. Glint is only considered to be an issue with regards to aviation safety when the solar farm lies within close proximity to a runway, particularly when the aircraft is descending to land. This is outlined within the FAA guidance as being the key aviation receptors to assess ad is considered best practice in the absence of UK guidance.

4.25. Should a solar farm be proposed within the safeguarded zone of an aerodrome, then a full geometric study may be required which would determine if there is potential for glint and glare at key locations, most likely on the descent to land.

4.26. Buffer zones to identify aviation assets vary depending on the safeguarding criteria of that asset. All aerodromes within 30 km will be identified, however, generally the detailed assessments are only required within: 20 km for large international aerodromes, 10km for military aerodromes and 5 km for small aerodromes.

MAGNITUDE OF IMPACT

Static Receptors

4.27. Although there is no specific guidance set out to identify the magnitude of impact from solar reflections, the following criteria has been set out for the purposes of this report and has been accepted for assessing numerous solar farms across the UK and Ireland:

- High - Solar reflections impacts of over 30 hours per year or over 30 minutes per day.
- Medium - Solar reflections impacts between 20 and 30 hours per year or between 20 minutes and 30 minutes per day.
- Low - Solar reflections impacts up to 20 hours per year or up to 20 minutes per day.
- None - Effects not geometrically possible or no visibility of reflective surfaces likely due to high levels of intervening screening

Moving Receptors (Road and Rail)

4.28. Again, no specific guidance is available to identify the magnitude of impact from solar reflections on moving receptors except in aviation, however, it is thought that a similar

approach should be applied to moving receptors as aviation, based on the ocular impact and the potential for after-image.

4.29. The FAA guidance states that for a solar PV development to obtain FAA approval or to receive no objection, the following criteria must be met:

- No potential for glare (glint) or "*low potential for after-image*" along the final approach path for any existing or future runway landing thresholds (including planned or interim phases), as shown by the approved layout plan (ALP).

4.30. The following criteria has been set out for the purposes of this report:

- High - Solar reflections impacts consisting of any amount of yellow glare.
- Low - Solar reflections impacts consisting of any amount of only green glare.
- None - Effects not geometrically possible or no visibility of reflective surfaces likely due to high levels of intervening screening.

4.31. The FAA produced an evaluation of glare as a hazard and concluded in their report[17] that:

"The more forward the glare is and the longer the glare duration, the greater the impairment to the pilots' ability to see their instruments and to fly the aircraft. These results taken together suggest that any sources of glare at an airport may be potentially mitigated if the angle of the glare is greater than 25 deg from the direction that the pilot is looking in. We therefore recommend that the design of any solar installation at an airport consider the approach of pilots and ensure that any solar installation that is developed is placed such that they will not have to face glare that is straight ahead of them or within 25 deg of straight ahead during final approach."

4.32. It is reasonable to assume that although this report is assessing pilots vision impairment, it can also be applied to drivers of other road and rail vehicles. Therefore, the driver's field of view will also be analysed where required and if the glare is out with 25 degrees either side of their line of sight then any impacts will reduce to None.

Moving Receptors (Aviation)

Approach Paths

4.33. Each final approach path which has the potential to receive glint is assessed using the SGHAT model. The model assumes an approach bearing on the runway centreline, a 3-degree glide path with the origin 50 ft (15.24 m) above the runway threshold.

[17] Federal Aviation Authority, Evaluation of Glare as a Hazard for General Aviation Pilots on Final Approach (2015), Available at https://libraryonline.erau.edu/online-full-text/faa-aviation-medicine-reports/AM15-12.pdf

4.34. The computer model considers the pilots field of view. The azimuthal field of view (AFOV) or horizontal field of view (HFOV) as it is sometimes referred, refers to the extents of the pilot's horizontal field of view measured in degrees left and right from directly in front of the cockpit. The vertical field of view (VFOV) refers to the extents of the pilot's vertical field of view measured in degrees from directly in front of the cockpit. The HFOV is modelled at 50 degrees left and right from the front of the cockpit whilst the VFOV is modelled at 30 degrees.

4.35. The FAA guidance states that there should be no potential for glare or '*low potential for after-image*' at any existing or future planned runway landing thresholds for the Scheme to be acceptable. Given the FAA guidance and commentary on impacts, the following criteria has been set out for the purposes of this report:

- High - Solar reflections impacts consisting of any amount of yellow glare.
- Low - Solar reflections impacts consisting of any amount of only green glare.
- None - Effects not geometrically possible or no visibility of reflective surfaces likely due to high levels of intervening screening.

Air Traffic Control Tower (ATCT)

4.36. An air traffic controller uses the visual control room to monitor and direct aircraft on the ground, approaching and departing the aerodrome. It is essential that air traffic controllers have a clear unobstructed view of the aviation activity. The key areas on an aerodrome are the views towards the runway thresholds, taxiways and aircraft bays.

4.37. The FAA guidance states that no solar reflection towards the ATCT should be produced by a proposed solar development, however, this should be assessed on a site by site case and will depend on the operations at a particular aerodrome.

4.38. In order to determine the impact on the ATCT, the location and height of the tower will need to be fed into the SGHAT model and where there is a potential for 'low potential for After-Image' or more, then mitigation measures will be required.

Assessment Limitations

4.39. Below is a list of assumptions and limitations of the model and methods used within this report:

- The model does not consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, vegetation, hills, buildings, etc (that is, it calculates a "bare-earth" scenario);

- The model does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results;
- Due to variations in atmospheric composition, temperature, pressure and conditions, observed values may vary slightly from calculated positions;
- The model does not account for the effects of diffraction; however, buffers are applied as a factor of safety; and
- The model assumes clear skies at all times and does not account for meteorological effects such as cloud cover, fog, or any other weather event which may screen the sun.

4.40. Due to these assumptions and limitations the model overestimates the number of minutes of glint and glare which are possible at each receptor and presents the worst-case scenario. Where glint and glare are predicted a visibility assessment is carried out to determine a more accurate, real-world prediction of the impacts.

5. BASELINE CONDITIONS (BARE-EARTH)

GROUND BASED RECEPTORS REFLECTION ZONES

5.1. Based on the relatively flat topography in the area, solar reflections between five degrees below the horizontal plane to five degrees above it are described as near horizontal. Reflections from the Scheme within this arc have the potential to be seen by receptors at or near ground level.

5.2. Further analysis showed that this will only occur between the azimuth of 238.92 degrees and 298.18 degrees in the western direction (late day reflections) and 64.36 degrees and 129.27 degrees in the eastern direction (morning reflections) and therefore any ground-based receptor outside these arcs will not have any impact from solar reflections.

5.3. **Figure 1, 2 and 3 of Appendix A** show the respective study areas whilst also subtracting from this the areas where solar reflections will not impact on ground-based receptors due to the reasons set out in **paragraphs 5.1 to 5.2.**

Residential Receptors

5.4. Residential receptors located within 1km of the Solar PV Site have been identified (**Table 5 - 1**). Glint was assumed to be possible if the receptor is located within the ground-based receptor zones as outlined previously.

5.5. There are two residential receptors (Receptors 175 and 176) which are within the no-reflection zones and are clearly identifiable in **Figure 1A - D: Appendix A.** The process of how these are calculated is explained in **paragraphs 5.1 to 5.2** of this report.

5.6. As per the methodology section, where there are a number of residential receptors within close proximity, a representative dwelling or dwellings is/are chosen for detailed analysis as the impacts will not vary to any significant degree. Where small groups of receptors are evident, the receptors on either end of the group have been assessed in detail.

Table 5 - 1: Residential Based Receptors

Receptor	Easting	Northing	Glint and Glare Possible
1	505795	265943	Yes
2	505828	265869	Yes
3	505959	265779	Yes
4	506015	265751	Yes

Receptor	Easting	Northing	Glint and Glare Possible
5	505954	265701	Yes
6	505849	265742	Yes
7	505748	265806	Yes
8	505679	265784	Yes
9	506122	265823	Yes
10	507568	266230	Yes
11	508448	265985	Yes
12	508538	265971	Yes
13	508641	265937	Yes
14	508234	265712	Yes
15	508397	265767	Yes
16	508467	265737	Yes
17	508530	265736	Yes
18	508632	265677	Yes
19	508219	265458	Yes
20	508241	265482	Yes
21	508166	265234	Yes
22	508385	265378	Yes
23	508472	265419	Yes
24	508580	265412	Yes
25	508613	265382	Yes
26	508308	265300	Yes
27	508367	265207	Yes
28	508443	265266	Yes
29	507850	265036	Yes
30	508279	265009	Yes

Receptor	Easting	Northing	Glint and Glare Possible
31	508276	264986	Yes
32	508108	264967	Yes
33	508057	264907	Yes
34	507951	264860	Yes
35	508133	264771	Yes
36	508243	264800	Yes
37	508296	264715	Yes
38	508434	264704	Yes
39	508461	264694	Yes
40	508559	264704	Yes
41	505339	264444	Yes
42	505304	264428	Yes
43	505234	264324	Yes
44	505182	263404	Yes
45	505180	263371	Yes
46	505224	263391	Yes
47	507980	263938	Yes
48	507948	263902	Yes
49	507915	263849	Yes
50	507771	263734	Yes
51	507819	263740	Yes
52	507817	263686	Yes
53	507728	263476	Yes
54	507753	263373	Yes
55	507719	263325	Yes
56	507684	263244	Yes

Receptor	Easting	Northing	Glint and Glare Possible
57	507601	263211	Yes
58	507473	263207	Yes
59	507421	263113	Yes
60	507271	263141	Yes
61	507185	263033	Yes
62	507071	262995	Yes
63	506988	262902	Yes
64	507599	263127	Yes
65	507619	263053	Yes
66	507599	262942	Yes
67	507595	262850	Yes
68	507602	262787	Yes
69	507635	262727	Yes
70	507662	262673	Yes
71	507731	262675	Yes
72	507776	262605	Yes
73	507725	262551	Yes
74	507763	262476	Yes
75	507796	262432	Yes
76	507454	262553	Yes
77	507401	262526	Yes
78	507386	262489	Yes
79	507360	262342	Yes
80	507839	262338	Yes
81	507866	262275	Yes
82	508126	262496	Yes

Receptor	Easting	Northing	Glint and Glare Possible
83	508013	262026	Yes
84	509312	262002	Yes
85	509136	261966	Yes
86	509027	261847	Yes
87	509065	261735	Yes
88	508963	261712	Yes
89	508911	261592	Yes
90	509970	262501	Yes
91	510036	262550	Yes
92	510044	262509	Yes
93	510076	262579	Yes
94	510644	262330	Yes
95	510589	262389	Yes
96	510485	262514	Yes
97	510418	262573	Yes
98	510514	262627	Yes
99	510537	262699	Yes
100	510483	262716	Yes
101	510499	262813	Yes
102	510382	262868	Yes
103	510527	262932	Yes
104	510392	262936	Yes
105	510355	263014	Yes
106	510308	263078	Yes
107	510252	263153	Yes
108	510243	263245	Yes

Receptor	Easting	Northing	Glint and Glare Possible
109	510140	263192	Yes
110	510034	263211	Yes
111	509970	263252	Yes
112	509921	263191	Yes
113	509853	263241	Yes
114	509451	263390	Yes
115	509428	263394	Yes
116	509699	263795	Yes
117	509688	263961	Yes
118	509731	264297	Yes
119	509406	265319	Yes
120	509549	265254	Yes
121	509256	265020	Yes
122	509277	265007	Yes
123	509310	265018	Yes
124	510482	264285	Yes
125	510967	264425	Yes
126	511025	264473	Yes
127	511401	264108	Yes
128	511339	264212	Yes
129	511387	264295	Yes
130	511482	264272	Yes
131	511573	264349	Yes
132	511688	264324	Yes
133	512003	264188	Yes
134	512125	264201	Yes

Receptor	Easting	Northing	Glint and Glare Possible
135	512057	264485	Yes
136	512319	264682	Yes
137	512283	264606	Yes
138	512258	264414	Yes
139	512333	264352	Yes
140	512611	264816	Yes
141	512746	264893	Yes
142	512834	264925	Yes
143	512915	264886	Yes
144	512971	264838	Yes
145	513004	264771	Yes
146	512926	264739	Yes
147	512812	264669	Yes
148	512929	264658	Yes
149	513003	264575	Yes
150	513096	264440	Yes
151	513118	264531	Yes
152	513188	264579	Yes
153	513308	264538	Yes
154	513444	264520	Yes
155	513694	264193	Yes
156	513662	263551	Yes
157	513667	263399	Yes
158	513668	263337	Yes
159	513628	263248	Yes
160	513233	262656	Yes

Receptor	Easting	Northing	Glint and Glare Possible
161	513066	262131	Yes
162	515126	263529	Yes
163	515281	263566	Yes
164	515279	263532	Yes
165	515322	263521	Yes
166	515627	263490	Yes
167	515673	263337	Yes
168	515510	263082	Yes
169	515654	262964	Yes
170	514839	262911	Yes
171	515385	262560	Yes
172	515661	262657	Yes
173	515673	262619	Yes
174	515866	262349	Yes
175	506849	266042	No
176	506874	266033	No

Road / Rail Receptors

5.7. There are 21 roads containing 171 receptors within the 1km Study Area that requires a detailed Glint and Glare Assessment: Swineshead Road, Green End, Kimbolton Road, Little Staughton Road, Staughton Road, Green End Road, The Town Road, Green Lane, The Highway Road, Moor Road, the B645, Colmworth Road, High Street, Spring Hill, Westend Road, Keysoe Row East, Wybridge Road, Mill Hill Road, Church Road, Riseley Road, and Pertenhall Road. There are some minor roads that serve dwellings; however, these have been dismissed as vehicle users of these roads will likely be travelling at low speeds and therefore, there is a negligible risk of safety impacts resulting from glint and glare of the Scheme.

5.8. The ground receptor no-reflection zones are clearly identifiable on **Figure 2: Appendix A** and the process of how these are calculated is explained in **paragraphs 5.1 to 5.2** of this report.

5.9. **Table 5 - 2** shows a list of receptors points within the study area which are 200 m apart.

Table 5 - 2: Road Based Receptors

Receptor	Easting	Northing	Glint and Glare Possible
1	508103	261727	Yes
2	508047	261900	Yes
3	507952	262077	Yes
4	507859	262252	Yes
5	507774	262427	Yes
6	507669	262592	Yes
7	507590	262774	Yes
8	507579	262965	Yes
9	507595	263153	Yes
10	507697	263324	Yes
11	507729	263515	Yes
12	507859	263650	Yes
13	507963	263811	Yes
14	508039	263992	Yes
15	508106	264167	Yes
16	508173	264350	Yes
17	508226	264535	Yes
18	508273	264722	Yes
19	508316	264909	Yes
20	508323	265107	Yes
21	508385	265275	Yes
22	508581	265313	Yes
23	508645	265488	Yes
24	508666	265685	Yes
25	512939	264891	Yes
26	512974	264757	Yes

Receptor	Easting	Northing	Glint and Glare Possible
27	513075	264619	Yes
28	513238	264592	Yes
29	513413	264544	Yes
30	513654	264471	Yes
31	513836	264403	Yes
32	513962	264247	Yes
33	514112	264138	Yes
34	514288	264053	Yes
35	514456	263966	Yes
36	514621	263883	Yes
37	514790	263791	Yes
38	514943	263678	Yes
39	515106	263574	Yes
40	515273	263470	Yes
41	515380	263318	Yes
42	515487	263161	Yes
43	515643	263039	Yes
44	515661	262857	Yes
45	515688	262660	Yes
46	515746	262483	Yes
47	515914	262385	Yes
48	504880	263886	Yes
49	505004	264024	Yes
50	505126	264165	Yes
51	505260	264316	Yes
52	505385	264469	Yes
53	505495	264629	Yes

Receptor	Easting	Northing	Glint and Glare Possible
54	505607	264789	Yes
55	505755	264928	Yes
56	505866	265092	Yes
57	505944	265275	Yes
58	505976	265467	Yes
59	505998	265666	Yes
60	506075	265831	Yes
61	506226	265957	Yes
62	506399	265883	Yes
63	506584	265924	Yes
64	506766	266001	Yes
65	507123	265876	Yes
66	507304	265871	Yes
67	507504	265885	Yes
68	507708	265897	Yes
69	507905	265905	Yes
70	508090	265852	Yes
71	508271	265770	Yes
72	508459	265717	Yes
73	505031	264186	Yes
74	504990	264381	Yes
75	505895	265788	Yes
76	505705	265856	Yes
77	505820	265963	Yes
78	507416	263151	Yes
79	507236	263074	Yes
80	507068	262958	Yes

Receptor	Easting	Northing	Glint and Glare Possible
81	507555	262610	Yes
82	507421	262462	Yes
83	507302	262301	Yes
84	508151	264813	Yes
85	508117	264951	Yes
86	508182	265133	Yes
87	508207	265310	Yes
88	508231	265503	Yes
89	508428	264726	Yes
90	508619	264671	Yes
91	508790	264583	Yes
92	508962	264514	Yes
93	509141	264429	Yes
94	509325	264366	Yes
95	509513	264322	Yes
96	509699	264289	Yes
97	509875	264262	Yes
98	510080	264265	Yes
99	510270	264287	Yes
100	510464	264306	Yes
101	510656	264273	Yes
102	510846	264230	Yes
103	511048	264229	Yes
104	511244	264212	Yes
105	511433	264247	Yes
106	511625	264280	Yes
107	511811	264329	Yes

Receptor	Easting	Northing	Glint and Glare Possible
108	511989	264422	Yes
109	512145	264537	Yes
110	512302	264639	Yes
111	512471	264702	Yes
112	512665	264654	Yes
113	512865	264647	Yes
114	508908	265507	Yes
115	509003	265340	Yes
116	509077	265154	Yes
117	509225	265041	Yes
118	509315	264891	Yes
119	509408	264729	Yes
120	509518	264574	Yes
121	509633	264412	Yes
122	510752	264156	Yes
123	510755	263962	Yes
124	510766	263763	Yes
125	510782	263577	Yes
126	510651	263468	Yes
127	510471	263392	Yes
128	510273	263321	Yes
129	510325	263139	Yes
130	510405	262955	Yes
131	510488	262772	Yes
132	510563	262594	Yes
133	510649	262424	Yes
134	510381	262599	Yes

Receptor	Easting	Northing	Glint and Glare Possible
135	510179	262596	Yes
136	510010	262511	Yes
137	509889	262356	Yes
138	509750	262230	Yes
139	509612	262099	Yes
140	509462	261975	Yes
141	509343	261926	Yes
142	509182	261972	Yes
143	509064	261816	Yes
144	508937	261663	Yes
145	509703	264098	Yes
146	509720	263903	Yes
147	509726	263710	Yes
148	509748	263507	Yes
149	509792	263320	Yes
150	509956	263216	Yes
151	510148	263253	Yes
152	513697	264293	Yes
153	513724	264097	Yes
154	513766	263918	Yes
155	513738	263737	Yes
156	513651	263569	Yes
157	513621	263422	Yes
158	513579	263270	Yes
159	513389	263225	Yes
160	513243	263144	Yes
161	513132	263000	Yes

Receptor	Easting	Northing	Glint and Glare Possible
162	513090	262821	Yes
163	513039	262630	Yes
164	512927	262480	Yes
165	512897	262284	Yes
166	512833	262164	Yes
167	512655	262225	Yes
168	512482	262292	Yes
169	512275	262287	Yes
170	512986	262101	Yes
171	506948	265972	No

5.10. There are no railway lines within 1 km of the Solar PV Site that requires a detailed Glint and Glare Assessment.

Bridleway Receptors

5.11. All bridleways within 1km of the Scheme have been considered.

5.12. The ground receptor no-reflection zones are clearly identifiable on **Figure 3: Appendix A** and the process of how these are calculated is explained in **paragraphs 5.1 to 5.2** of this report.

5.13. **Table 5 – 3** shows a list of receptors points within the study area which are 200m apart.

Table 5 - 3: Bridleway Based Receptors

Receptor	Easting	Northing	Glint and Glare Possible
1	506027	266360	Yes
2	507669	266235	Yes
3	507801	266087	Yes
4	507591	266405	Yes
5	507918	265936	Yes
6	508017	265896	Yes

Receptor	Easting	Northing	Glint and Glare Possible
7	508045	266083	Yes
8	508201	266083	Yes
9	508380	266014	Yes
10	509132	265483	Yes
11	505853	265033	Yes
12	505992	265044	Yes
13	506159	264981	Yes
14	506323	264859	Yes
15	506450	264702	Yes
16	506621	264598	Yes
17	506756	264463	Yes
18	505998	263874	Yes
19	506159	263990	Yes
20	506319	264094	Yes
21	506492	264192	Yes
22	506665	264278	Yes
23	506904	264469	Yes
24	507060	264575	Yes
25	507250	264636	Yes
26	507448	264657	Yes
27	507637	264634	Yes
28	507762	264765	Yes
29	507050	264332	Yes
30	507185	264275	Yes
31	507348	264167	Yes
32	507510	264048	Yes

Receptor	Easting	Northing	Glint and Glare Possible
33	507664	263942	Yes
34	507833	263840	Yes
35	505268	263345	Yes
36	505422	263374	Yes
37	505596	263476	Yes
38	505786	263526	Yes
39	505834	263382	Yes
40	505774	263207	Yes
41	505753	263026	Yes
42	505859	263744	Yes
43	505969	263580	Yes
44	506125	263457	Yes
45	506284	263351	Yes
46	506465	263301	Yes
47	506640	263243	Yes
48	507007	263022	Yes
49	507024	262558	Yes
50	507172	262429	Yes
51	507271	262295	Yes
52	507822	262609	Yes
53	508014	262554	Yes
54	508184	262484	Yes
55	508360	262412	Yes
56	508536	262369	Yes
57	508697	262266	Yes
58	508860	262129	Yes

Receptor	Easting	Northing	Glint and Glare Possible
59	508989	261967	Yes
60	509086	261817	Yes
61	509216	261681	Yes
62	509367	261567	Yes
63	509505	261563	Yes
64	509660	261600	Yes
65	509837	261712	Yes
66	509945	261905	Yes
67	509894	262080	Yes
68	509839	262270	Yes
69	510015	263073	Yes
70	510052	262874	Yes
71	510098	262693	Yes
72	510152	262507	Yes
73	510205	262312	Yes
74	510260	262137	Yes
75	510328	261953	Yes
76	513633	263274	Yes
77	513676	263085	Yes
78	513868	263099	Yes
79	514058	263125	Yes
80	514243	263164	Yes
81	514425	263125	Yes
82	514601	263059	Yes
83	514783	262983	Yes
84	514905	263036	Yes

Receptor	Easting	Northing	Glint and Glare Possible
85	515001	262868	Yes
86	515157	262780	Yes
87	515361	262711	Yes
88	515539	262638	No
89	506149	266530	No
90	506319	266636	No
91	506452	266780	No
92	507359	266866	No
93	507390	266713	No
94	507520	266586	No
95	514566	261876	No
96	514745	261829	No
97	514928	261777	No
98	515098	261682	No
99	515213	261532	No

Aviation Receptors

5.14. Aerodromes within 30km of the Solar PV Site can be found in **Table 5 - 4.**

Table 5 - 4: Airfields within close proximity

Airfield	Distance (km)	Use
Sackville Farm	2.05	Small grass strip
Abbotsley Airfield	9.93	Small grass strip
Brookfield Farm	11.14	Small grass strip
Woodlands Manor Hotel	11.25	Helipad
Bedford Helipad	11.41	Helipad
Tower Farm	13.76	Small grass strip
Little Gransden Airfield	14.14	Small grass strip

Airfield	Distance (km)	Use
Longacre Farm	14.61	Small grass strip
Prospect Farm	14.98	Small grass strip
Winwick West Airfield	15.04	Small grass strip
Gransden Lodge Airfield	15.49	Small grass strip
Rotary Farm	16.06	Small grass strip
Hall Farm	16.54	Small grass strip
Wold Lodge Airfield	16.69	Small grass strip
Glebe Farm	16.93	Small grass strip
Easton Maudit Airfield	18.04	Small grass strip
Old Warden Airport	18.72	Licensed airport
Bourn Airfield	19.04	Small concrete strip
Top Farm	19.43	Small grass strip
Armshold Farm	21.80	Small grass strip
Manor Farm	22.11	Small grass strip
Lyveden Airfield	22.49	Small grass strip
Pytchley Grange Airfield	22.63	Small grass strip
Upwood Airfield	22.87	Small grass strip
Cranfield Airport	23.41	Licensed airport
Northampton Airport	23.66	Licensed airport
Over Hill Farm	23.98	Small grass strip
Glatton Airfield	23.99	Small concrete strip
Hold Farm	24.25	Small grass strip
Willingham Airfield	24.94	Small grass strip
Meppershall Airfield	25.58	Small grass strip
Henlow Airfield	25.77	Small grass strip
Bakersfield Farm	25.89	Small grass strip
Deenethorpe Airfield	26.86	Small concrete strip

Airfield	Distance (km)	Use
Hulcote Farm	27.52	Small grass strip
Lodge Farm	28.21	Small grass strip
Valley Farm	28.35	Small grass strip
Milton Keynes Helipad	29.36	Helipad
Pitsford Airfield	29.42	Small grass strip
Sutton Meadows Airfield	29.61	Small grass strip
Radwell Lodge Airfield	29.83	Small grass strip
Newnham Airfield	29.89	Small grass strip

5.15. As shown in **Table 5 - 4**, there are 42 aerodromes within 30km of the Solar PV Site. However, only Old Warden Airport (A) and Sackville Farm (B) will require a detailed assessment as the Solar PV Site is located within their safeguarding buffer zones, outlined in **paragraph 4.24 - 4.26.**

5.16. The other 40 aerodromes do not require detailed assessments due to their location in relation to the Solar PV Site falling outside of the buffer zones outlined in **paragraph 4.24 - 4.26.**

Old Warden Airport

5.17. Old Warden Airport (ICAO code EGTH) is an VFR aerodrome. It is located approximately 6.27 nautical miles (NM) or 11.6km southeast of Bedford.

5.18. The elevation of the aerodrome is 127 ft (38.7m). It has two grass runways, details of which are given in **Table 5 - 5.**

Table 5 - 5: Runways at Old Warden Airport

Runway Designation	True Bearing (°)	Length (m)	Width (m)
02	025.06	799	21
20	205.07	799	21
02X	025.06	1000	21
20X	205.07	1000	21

5.19. The threshold location and height of the runway at Old Warden Airport are given in **Table 5 - 6**.

Table 5 - 6: Runway Threshold Locations and Heights

Runway Designation	Threshold Latitude	Threshold Longitude	Height AOD (m)
02	52° 04′ 56.65″ N	000° 19′ 18.62″ W	38.61
20	52° 05′ 20.07″ N	000° 19′ 00.84″ W	30.81
02X	52° 04′ 50.76″ N	000° 19′ 23.09″ W	39.38
20X	52° 05′ 20.07″ N	000° 19′ 00.84″ W	30.81

5.20. The ARP is located 260m south of Runway 20 Threshold. The actual location of the ARP is given in **Table 5 - 7**. There is no ATCT present at Old Warden Airport.

Table 5 - 7: Old Warden Airport Reference Point

	Latitude	Longitude	Eastings	Northings
ARP	52° 05’ 12’’ N	000° 19’ 07’’ W	515301	244480

Sackville Farm

5.21. Sackville Farm is a small unlicensed grass strip. It is located approximately 7.5 nautical miles (NM) or 13.85 km north of Bedford.

5.22. The elevation of the aerodrome is 206 ft (63 m). It has two grass runways, details of which are given in **Table 5 - 8**.

Table 5 - 8: Runways at Sackville Farm

Runway Designation	True Bearing (°)	Length (m)	Width (m)
13	115.5	730	23
31	295.5	730	23

5.23. The threshold location and height of the runway at Sackville Farm are given in **Table 5 - 9**.

Table 5 - 9: Runway Threshold Locations and Heights

Runway Designation	Threshold Latitude	Threshold Longitude	Height AOD (m)
13	52° 15′ 47″ N	000° 29′ 20″ W	72

31	52° 15′ 38″ N	000° 28′ 46″ W	62

5.24. The ARP is located at the midpoint of Runway 13/31. The actual location of the ARP is given in Table 5 - 10. There is no ATCT at Sackville Farm.

Table 5 - 10: Sackville Farm Reference Point

	Latitude	Longitude	Eastings	Northings
ARP	52° 15′ 43′′ N	000° 29′ 03′′ W	503556	263711

6. IMPACT ASSESSMENT

6.1. Following the methodology outlined earlier in this report, geometrical analysis comparing the azimuth and horizontal angle of the receptors from the Scheme and the solar reflection was conducted. Although this model did not take into account obstructions such as vegetation and buildings, discussion on the potentially impacted receptors is provided where necessary. Such obstructions will be taken into account during the visibility assessment and will be discussed for each relevant receptor.

GROUND BASED RECEPTORS

Residential Receptors

6.2. **Table 6-1** identifies the receptors that will experience solar reflections based on solar reflection modelling and whether the reflections will be experienced in the morning (AM), evening (PM), or both. The number in brackets indicates which residential area the receptor belongs.

6.3. The two receptors, 175 and 176, which were within the no-reflection zones outlined previously have been excluded from the detailed modelling as they will never receive any glint and glare impacts from the Scheme.

6.4. **Appendix B - G** shows the analysis with the ground mounted solar panels at a tilt angle of between 15 and 25 degrees. **Appendix B** shows the analysis for Receptors 1 – 65 at an angle of 15 degrees, **Appendix C** shows the analysis for Receptors 1 – 65 at an angle of 25 degrees. **Appendix D** shows the analysis for Receptors 66 – 123 at an angle of 15 degrees, **Appendix E** shows the analysis for Receptors 66 – 123 at an angle of 25 degrees. **Appendix F** shows the analysis for Receptors 124 – 174 at an angle of 15 degrees, **Appendix G** shows the analysis for Receptors 124 – 174 at an angle of 25 degrees

6.5. **Table 6 - 1** shows the **worst-case impact** at each receptor, based on a theoretical modelled impact without consideration of existing or proposed local vegetation or other obstacles (ie a bare-earth scenario) and assuming no cloud at any point in the year.

Table 6 - 1: Potential for Glint and Glare Impact on Residential Receptors (Bald Earth)

Receptor	Glint Possible from Site		Potential Glare Impact (per year)		Magnitude of Impact	Worst Case Tilt Angle (Degrees)
	AM	PM	Minutes	Hours		
1	N/a	N/a	0	0.00	None	N/A
2	N/a	N/a	0	0.00	None	N/A
3	N/a	N/a	0	0.00	None	N/A
4	N/a	N/a	0	0.00	None	N/A
5	N/a	N/a	0	0.00	None	N/A
6	N/a	N/a	0	0.00	None	N/A
7	N/a	N/a	0	0.00	None	N/A
8	N/a	N/a	0	0.00	None	N/A
9	N/a	N/a	0	0.00	None	N/A
10	N/a	N/a	0	0.00	None	N/A
11	N/a	N/a	0	0.00	None	N/A
12	N/a	N/a	0	0.00	None	N/A
13	N/a	N/a	0	0.00	None	N/A
14	No	Yes	6	0.10	Low	25
15	N/a	N/a	0	0.00	None	N/A
16	N/a	N/a	0	0.00	None	N/A
17	N/a	N/a	0	0.00	None	N/A
18	N/a	N/a	0	0.00	None	N/A
19	N/a	N/a	0	0.00	None	N/A
20	N/a	N/a	0	0.00	None	N/A
21	No	Yes	1933	32.22	High	25
22	No	Yes	534	8.90	Low	15
23	N/a	N/a	0	0.00	None	N/A
24	N/a	N/a	0	0.00	None	N/A

Receptor	Glint Possible from Site		Potential Glare Impact (per year)		Magnitude of Impact	Worst Case Tilt Angle (Degrees)
	AM	PM	Minutes	Hours		
25	N/a	N/a	0	0.00	None	N/A
26	No	Yes	1141	19.02	Low	15
27	No	Yes	1118	18.63	Low	25
28	No	Yes	833	13.88	Low	15
29	No	Yes	1695	28.25	Medium	15
30	No	Yes	1570	26.17	Medium	15
31	No	Yes	1762	29.37	Medium	15
32	No	Yes	1525	25.42	Medium	15
33	No	Yes	1096	18.27	Low	15
34	No	Yes	382	6.37	Low	15
35	No	Yes	267	4.45	Low	25
36	No	Yes	802	13.37	Low	15
37	No	Yes	211	3.52	Low	15
38	No	Yes	494	8.23	Low	15
39	No	Yes	511	8.52	Low	15
40	No	Yes	772	12.87	Low	15
41	Yes	No	1291	21.52	Medium	15
42	Yes	No	1183	19.72	Low	15
43	Yes	No	1125	18.75	Low	15
44	N/a	N/a	0	0.00	None	N/A
45	N/a	N/a	0	0.00	None	N/A
46	N/a	N/a	0	0.00	None	N/A
47	Yes	Yes	4681	78.02	High	15
48	Yes	Yes	4172	69.53	High	15
49	Yes	Yes	3202	53.37	High	15

Receptor	Glint Possible from Site		Potential Glare Impact (per year)		Magnitude of Impact	Worst Case Tilt Angle (Degrees)
	AM	PM	Minutes	Hours		
50	Yes	Yes	2557	42.62	High	15
51	Yes	Yes	2669	44.48	High	15
52	Yes	Yes	2688	44.80	High	15
53	Yes	No	27	0.45	Low	25
54	Yes	No	1335	22.25	Medium	15
55	Yes	No	1127	18.78	Low	15
56	Yes	No	582	9.70	Low	25
57	Yes	No	353	5.88	Low	15
58	Yes	No	1216	20.27	Medium	25
59	N/a	N/a	0	0.00	None	N/A
60	Yes	No	871	14.52	Low	25
61	Yes	No	995	16.58	Low	15
62	Yes	No	1034	17.23	Low	15
63	Yes	No	1187	19.78	Low	15
64	Yes	No	123	2.05	Low	15
65	Yes	No	145	2.42	Low	25
66	Yes	No	421	7.02	Low	15
67	Yes	No	1865	31.08	High	15
68	Yes	No	2359	39.32	High	15
69	Yes	No	2666	44.43	High	15
70	Yes	No	2491	41.52	High	15
71	Yes	No	2583	43.05	High	15
72	Yes	No	1899	31.65	High	15
73	Yes	No	1546	25.77	Medium	15
74	Yes	No	161	2.68	Low	25

Receptor	Glint Possible from Site		Potential Glare Impact (per year)		Magnitude of Impact	Worst Case Tilt Angle (Degrees)
	AM	PM	Minutes	Hours		
75	Yes	No	2045	34.08	High	15
76	Yes	No	2149	35.82	High	15
77	Yes	No	1892	31.53	High	15
78	Yes	No	348	5.80	Low	15
79	Yes	No	12	0.20	Low	25
80	Yes	No	475	7.92	Low	25
81	Yes	No	638	10.63	Low	25
82	Yes	No	1151	19.18	Low	25
83	Yes	No	841	14.02	Low	15
84	N/a	N/a	0	0.00	None	N/A
85	N/a	N/a	0	0.00	None	N/A
86	N/a	N/a	0	0.00	None	N/A
87	N/a	N/a	0	0.00	None	N/A
88	N/a	N/a	0	0.00	None	N/A
89	N/a	N/a	0	0.00	None	N/A
90	Yes	Yes	2146	35.77	High	15
91	Yes	Yes	2101	35.02	High	15
92	Yes	Yes	2153	35.88	High	15
93	Yes	No	2153	35.88	High	15
94	Yes	Yes	110	1.83	Low	15
95	Yes	Yes	356	5.93	Low	25
96	Yes	Yes	548	9.13	Low	25
97	Yes	Yes	893	14.88	Low	15
98	N/a	N/a	0	0.00	None	N/A
99	Yes	Yes	1343	22.38	Medium	15

Receptor	Glint Possible from Site		Potential Glare Impact (per year)		Magnitude of Impact	Worst Case Tilt Angle (Degrees)
	AM	PM	Minutes	Hours		
100	Yes	Yes	1879	31.32	High	15
101	Yes	Yes	2034	33.90	High	15
102	Yes	Yes	2192	36.53	High	15
103	Yes	Yes	2399	39.98	High	15
104	Yes	Yes	2171	36.18	High	15
105	Yes	Yes	816	13.60	Low	15
106	N/a	N/a	0	0.00	None	N/A
107	Yes	Yes	65	1.08	Low	15
108	Yes	Yes	880	14.67	Low	25
109	Yes	Yes	971	16.18	Low	25
110	Yes	Yes	1912	31.87	High	25
111	Yes	Yes	1623	27.05	Medium	25
112	Yes	Yes	1878	31.30	High	25
113	Yes	Yes	1663	27.72	Medium	25
114	Yes	Yes	1235	20.58	Medium	25
115	Yes	Yes	1288	21.47	Medium	25
116	Yes	Yes	3640	60.67	High	25
117	Yes	Yes	1275	21.25	Medium	25
118	Yes	Yes	5097	84.95	High	25
119	N/a	N/a	0	0.00	None	N/A
120	N/a	N/a	0	0.00	None	N/A
121	No	Yes	119	1.98	Low	25
122	No	Yes	24	0.40	Low	25
123	No	Yes	2184	36.40	High	15
124	Yes	Yes	1946	32.43	High	25

Receptor	Glint Possible from Site		Potential Glare Impact (per year)		Magnitude of Impact	Worst Case Tilt Angle (Degrees)
	AM	PM	Minutes	Hours		
125	Yes	Yes	371	6.18	Low	25
126	Yes	Yes	167	2.78	Low	25
127	N/a	N/a	0	0.00	None	N/A
128	N/a	N/a	0	0.00	None	N/A
129	Yes	Yes	168	2.80	Low	25
130	Yes	Yes	158	2.63	Low	25
131	Yes	Yes	115	1.92	Low	25
132	Yes	Yes	46	0.77	Low	25
133	No	No	16	0.27	Low	25
134	N/a	N/a	0	0.00	None	N/A
135	N/a	N/a	0	0.00	None	N/A
136	N/a	N/a	0	0.00	None	N/A
137	N/a	N/a	0	0.00	None	N/A
138	N/a	N/a	0	0.00	None	N/A
139	N/a	N/a	0	0.00	None	N/A
140	N/a	N/a	0	0.00	None	N/A
141	N/a	N/a	0	0.00	None	N/A
142	N/a	N/a	0	0.00	None	N/A
143	N/a	N/a	0	0.00	None	N/A
144	N/a	N/a	0	0.00	None	N/A
145	N/a	N/a	0	0.00	None	N/A
146	N/a	N/a	0	0.00	None	N/A
147	N/a	N/a	0	0.00	None	N/A
148	N/a	N/a	0	0.00	None	N/A
149	N/a	N/a	0	0.00	None	N/A

Receptor	Glint Possible from Site		Potential Glare Impact (per year)		Magnitude of Impact	Worst Case Tilt Angle (Degrees)
	AM	PM	Minutes	Hours		
150	N/a	N/a	0	0.00	None	N/A
151	N/a	N/a	0	0.00	None	N/A
152	N/a	N/a	0	0.00	None	N/A
153	N/a	N/a	0	0.00	None	N/A
154	N/a	N/a	0	0.00	None	N/A
155	N/a	N/a	0	0.00	None	N/A
156	Yes	Yes	383	6.38	Low	25
157	Yes	Yes	3467	57.78	High	25
158	Yes	Yes	4192	69.87	High	25
159	Yes	Yes	4863	81.05	High	25
160	Yes	Yes	1088	18.13	Low	25
161	No	Yes	85	1.42	Low	25
162	No	Yes	218	3.63	Low	25
163	N/a	N/a	0	0.00	None	N/A
164	No	Yes	64	1.07	Low	25
165	No	Yes	37	0.62	Low	25
166	N/a	N/a	0	0.00	None	N/A
167	No	Yes	399	6.65	Low	25
168	No	Yes	2031	33.85	High	25
169	No	Yes	1667	27.78	Medium	25
170	No	Yes	2442	40.70	High	25
171	No	Yes	1107	18.45	Low	25
172	No	Yes	580	9.67	Low	15
173	No	Yes	505	8.42	Low	15
174	No	Yes	444	7.40	Low	15

6.6. As can be seen in **Table 6 - 1**, there is a **High** impact at 36 receptors, including five residential areas, **Medium** impact at 15 receptors, including five residential areas, **Low** impact at 61 receptors, including four residential areas, and a **None** impact at 39 receptors, including six residential areas. **Appendix B - G** shows detailed analysis of when the glare impacts are possible, whilst also showing which parts of the solar farm the solar glare is reflected from.

6.7. **Appendix T** shows Google Earth images that give an insight into how each receptor will be impacted by the glint and glare from the Solar PV Site. There is a mixture of images used, which include aerial, ground level and street level. The aerial images show the location of the receptor with the solar farm drawn as a white polygon and can be seen on the images when the solar farm is theoretically visible. The area of the solar farm from where reflections may be possible has been drawn as a yellow polygon. The ground level terrain is based on the height data of the surrounding land showing no intervening vegetation or buildings. The white and yellow polygons can be seen in this view also. The street view gives a good indication as to whether the area of the solar farm where reflections are theoretically possible will be visible from the receptor point. Also, where appropriate images that have been taken from within the Solar PV Site have been used to show up to date imagery.

Receptor 14 (Appendix B and C Receptor 14)

6.8. The 'Glare Reflections on PV Footprint' chart in **Appendix C** shows that reflections from the northern half of Array 12 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.9. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). The second image is street view image with a view towards the receptor. This image confirms that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **Low**.

Receptors 21, 22, 26, 27, and 28 (Appendix B and C Receptors 21, 22, 26, 27, and 28)

6.10. The 'Glare Reflections on PV Footprint' chart in **Appendix B and C** shows that reflections from Array 11 and, a northern section of Array 12 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.11. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation and intervening buildings between the Solar PV Site and the receptor. The second image is a photo taken from a field within the development boundary with a view towards the receptors. This image confirms that the vegetation and intervening buildings are sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptor 29 (Appendix B and C Receptor 29)

6.12. The 'Glare Reflections on PV Footprint' chart in **Appendix C** shows that reflections from the centre of Array 11 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.13. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptors. The second image is a photograph taken from an adjacent field within the development boundary with a view towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 30 and 31 (Appendix B and C Receptors 30 and 31)

6.14. The 'Glare Reflections on PV Footprint' chart in **Appendix B and C** shows that reflections from a northern section of Array 11 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.15. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptors. The second image is a street view image with a view towards the receptors. This image confirms that the vegetation and topography are sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 32 - 40 (Appendix B and C Receptors 32 - 40)

6.16. The 'Glare Reflections on PV Footprint' chart in **Appendix B and C** shows that reflections from a central section of Array 11 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.17. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation and intervening buildings between the Solar PV Site and the receptors. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation and intervening buildings are sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 41 - 43 (Appendix B and C Receptors 41 - 43)

6.18. The 'Glare Reflections on PV Footprint' chart in **Appendix B** shows that reflections from most, except a northeast, northwest and southern section, of Array 11 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.19. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptors. The second image is a street view image with a view of the vegetation to the northeast of the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 47 - 49 (Appendix A and B Receptors 47 - 49)

6.20. The 'Glare Reflections on PV Footprint' chart in **Appendix B** shows that reflections from a section of Array's 6, 7, 8, and 10 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.21. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a photo taken from Array 10 with a view west along the panel boundary. The third image is a photo taken from within the development boundary of Array 7 with a view west towards the receptors. The third image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 50 - 52 (Appendix B and C Receptors 50 - 52)

6.22. The 'Glare Reflections on PV Footprint' chart in **Appendix C** shows that reflections from Array 7 and 10 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.23. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a photo taken from Array 10 with a view west along the panel boundary. The third image is a photo taken from within the development boundary of Array 7 with a view west towards the receptors. The third image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 53 - 55 (Appendix B and C Receptors 53 - 55)

6.24. The 'Glare Reflections on PV Footprint' chart in **Appendix B and C** shows that reflections from Array 6 and 7 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.25. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation and intervening buildings between the Solar PV Site and the receptor. The second image is a photo from within the development boundary with a view towards the receptors. This image confirms that the vegetation and intervening buildings are sufficient to screen all views of the Solar PV Site where glint and glare is possible for receptors 54 and 55. Therefore, the impact for them reduces to **None**. However, the image also confirms that the vegetation and intervening buildings are not sufficient to screen all views of the Solar PV Site where glint and glare is possible for receptor 53, therefore the impact for receptor 53 remains **High**.

Receptors 56 - 58 (Appendix B and C Receptors 56 - 58)

6.26. The 'Glare Reflections on PV Footprint' chart in **Appendix B** shows that reflections from a central section of Array 7 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.27. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a photo from within the development boundary with a view towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 60 - 65 (Appendix B and C Receptors 60 - 65)

6.28. The 'Glare Reflections on PV Footprint' chart in **Appendix B** shows that reflections from a central section of Array 7 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.29. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a photo from within the development boundary with a view towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 66 - 68 (Appendix D and E Receptors 1 - 3)

6.30. The 'Glare Reflections on PV Footprint' chart in **Appendix D and E** shows that reflections from a central section of Array 6 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.31. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a photo from within the development boundary with a view towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible for receptors 66 - 68. Therefore, the impacts reduce to **None**.

Receptors 69 - 75 (Appendix D and E Receptors 4 - 10)

6.32. The 'Glare Reflections on PV Footprint' chart in **Appendix D and E** shows that reflections from a central section of Array 6 and 7 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.33. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a photo from within the development boundary with a view towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible for receptors 69 - 74. Therefore, their impact reduces to **None**. Receptor 75 does not have sufficient vegetation to screen all views of the Solar PV Site where glint and glare is possible. Therefore receptor 75's impact remains **High**.

Receptors 76 - 79 (Appendix D and E Receptors 11 - 14)

6.34. The 'Glare Reflections on PV Footprint' chart in **Appendix D** shows that reflections from a southern section of Array 6 and two southern sections of Array 7 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.35. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 80 - 82 (Appendix D and E Receptors 15 - 17)

6.36. The 'Glare Reflections on PV Footprint' chart in **Appendix D** shows that reflections from a southern section of Array 7(see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.37. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation and intervening buildings between the Solar PV Site and the receptor. The second image is a photo with a view towards the receptor from within Array 7 in the Solar PV Site. This image confirms that the vegetation within the Solar PV Site boundary is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**

Receptor 83 (Appendix D and E Receptor 18)

6.38. The 'Glare Reflections on PV Footprint' chart in **Appendix D** shows that reflections from a southern section of Array 7(see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.39. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation and intervening buildings between the Solar PV Site and the receptor. The second image is a photo with a view towards the receptor from within Array 7 in the Solar PV Site. This image confirms that the vegetation within the Solar PV Site boundary is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptors 84 - 89 (Appendix D and E Receptors 19 - 24)

6.40. The 'Glare Reflections on PV Footprint' chart in **Appendix D and E** shows that reflections from an eastern section of Array 3 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.41. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation and intervening buildings between the Solar PV Site and the receptor. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 90 - 93 (Appendix D and E Receptors 25 - 28)

6.42. The 'Glare Reflections on PV Footprint' chart in **Appendix D** shows that reflections from Array 3, 4, and 7(see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.43. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a photo taken from the road alongside the receptors with a view east towards Array 4. The third image is a photo taken from within the development boundary of Array 7 with a view east towards the receptors. The second and third images confirm that the vegetation is sufficient to screen all views of the Solar PV Sites where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptors 94 - 97 (Appendix D and E Receptors 29 - 32)

6.44. The 'Glare Reflections on PV Footprint' chart in **Appendix D and E** shows that reflections from a south section of Array 7 and sections of Array 4 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.45. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a street-view image with a view east towards Array 4. The third image is a street-view image with a view west towards Array 7. The second and third images confirm that the vegetation is sufficient to screen all views of the Solar PV Sites where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptors 98 - 101 (Appendix D and E Receptors 33 - 36)

6.46. The 'Glare Reflections on PV Footprint' chart in **Appendix D and E** shows that reflections from a central section of Array 7 and sections of Array 3 and 4(see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.47. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a street-view image taken with a view east towards the panel boundary. The third image is a street-view image taken with a view west towards the panel boundary. The second and third images confirm that the vegetation is sufficient to screen all views of the Solar PV Sites where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptors 102 - 106 (Appendix D and E Receptors 37 - 41)

6.48. The 'Glare Reflections on PV Footprint' chart in **Appendix D and E** shows that reflections from a central section of Array 7 and sections of Array 3 and 4(see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.49. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a photo taken from within Array 7 with a view east towards the panel boundary. The third image is a photo taken from within Array 4 with a view west towards the panel boundary. The second and third images confirm that the vegetation is sufficient to screen all views of the Solar PV Sites where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptors 107 - 111 (Appendix D and E Receptors 44 - 50)

6.50. The 'Glare Reflections on PV Footprint' chart in **Appendix D and E** shows that reflections from a central section of Array 7 and parts of Array 4 and 6 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.51. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a photo taken from within Array 7 with a view east towards the panel boundary. The third image is a photo taken from within Array 4 with a view west towards the panel boundary. The second and third images confirm that the vegetation is sufficient to screen all views of the Solar PV Sites where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptors 112 and 113 (Appendix D and E Receptors 47 and 48)

6.52. The 'Glare Reflections on PV Footprint' chart in **Appendix E** shows that reflections from a central section of Array 7 and parts of Array 4, and 6(see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.53. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a photo taken from within Array 7 with a view east towards the panel boundary. The third image is a street view image taken with a view towards Array 6. The second and third images confirm that the vegetation is sufficient to screen all views of the Solar PV Sites where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptors 114 and 115 (Appendix D and E Receptors 49 and 50)

6.54. The 'Glare Reflections on PV Footprint' chart in **Appendix D** shows that reflections from a central section of Array 7 and parts of Array 5, 6, and 10 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.55. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot and blue dot respectively). This image shows dense vegetation and intervening buildings between the Solar PV Site. The second image is a street view image taken with a view east towards the Array 6. The third image is a photo taken from within Array 7 with a view east towards the panel boundary. The second and third images confirm that the vegetation is sufficient to screen all views of the Solar PV Sites where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptor 116 (Appendix D and E Receptor 51)

6.56. The 'Glare Reflections on PV Footprint' chart in **Appendix D** shows that reflections from most, except a southern section, of Array 5, a central section of Array 6, a northern section of Array 7, a northern section of Array 8 and a southern section of Array 9 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.57. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with an eastern view towards Arrays 5 and 6 in the Solar PV Site. This image confirms that the vegetation is sufficient to screen ground floor views in the Solar PV Site where glint and glare is possible. The third image is a street view image with a western view towards Arrays 7, 8 and 9 in the Solar PV Site. This image confirms that the vegetation is insufficient to screen views in the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptor 117 (Appendix D and E Receptor 52)

6.58. The 'Glare Reflections on PV Footprint' chart in **Appendix D** shows that reflections from a central section of Array 6, a northern section of Array 7, a northern section of Array 8 and a southern section of Array 9 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.59. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second and third images were taken (red and blue dot respectively). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with an eastern view towards Arrays 5 and 6 in the Solar PV Site. This image confirms that the vegetation is sufficient to screen ground floor views of the Solar PV Site where glint and glare is possible. The third image is a photo with an eastward view from within Array 7 in the Solar PV Site. This image confirms that the vegetation is sufficient to screen views of the Solar PV Site where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptor 118 (Appendix D and E Receptor 54)

6.60. The 'Glare Reflections on PV Footprint' chart in **Appendix E** shows that reflections from a northern section of Array 6, a northern section of Array 7, a northern section of Array 8 and a northern section of Array 11 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.61. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with an eastwards view towards Array 6 in the Solar PV Site. The third image is a street view image with a westward view towards Arrays 6, 7, 8 and 9 in the Solar PV Site. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 119 – 123 (Appendix D and E Receptors 54 - 58)

6.62. The 'Glare Reflections on PV Footprint' chart in **Appendix E** shows that reflections from a northern section of Array 12 and all of Array 13 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.63. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**

Receptor 124 (Appendix F and G Receptor 1)

6.64. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from a northern section of Array 6 and the northern half of Array 12 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.65. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptors 125 – 132 (Appendix F and G Receptors 2 - 9)

6.66. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from a northern section of Array 6 and the northern half of Array 11 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.67. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 133 (Appendix F and G Receptor 10)

6.68. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from a northern section of Array 6 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.69. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 156 - 159 (Appendix F and G Receptor 33 - 36)

6.70. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from a northern section of Array 1, a northern section of Array 3, most, except a southern section, of Array 4 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.71. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second and third images were taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with an eastward view towards Array 1 in the Solar PV Site. The third image is a street view image with a westward view towards Array 3 in the Solar PV Site. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 160 (Appendix F and G Receptors 37)

6.72. The 'Glare Reflections on PV Footprint' chart in **Appendix F and G** shows that reflections from a northern section of Array 2, and a southern section of Array 1, (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.73. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second and third images were taken (red and blue dot respectively). This image shows vegetation between the Solar PV Site and the receptor The second image is a street view image taken looking west from within Array 2 in the Solar PV Site. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 161 (Appendix F and G Receptor 38)

6.74. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from a central section of Array 7 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.75. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptors 162 - 167 (Appendix F and G Receptor 39 - 44)

6.76. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from the northern half of Array 1 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.77. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pins) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows vegetation between the Solar PV Site and the receptors. The second image is a street view image with a view towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 168 (Appendix F and G Receptor 45)

6.78. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from most, except a northern and southern section, of Array 1 and most, except a northern and southeast section, of Array 3 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.79. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows dense vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view of the vegetation to the west of the receptor.

This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 169 (Appendix F and G Receptor 46)

6.80. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from most, except a northern and southern section, of Array 1 and most, except a northern section, of Array 3 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.81. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows dense vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view of the vegetation towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 170 (Appendix F and G Receptor 47)

6.82. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from most, except a northern and southern section, of Array 1 and most, except a northern section, of Array 3 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.83. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows dense vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view of the vegetation towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptors 171 - 173 (Appendix F and G Receptors 48 - 50)

6.84. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from the northern half of Array 2, all of Array 3 and most, except a northern section, of Array 4 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.85. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows dense vegetation between the Solar PV Site and the receptors. The second image is a photo taken from within Array 2 with a view east towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Receptor 174 (Appendix F and G Receptor 51)

6.86. The 'Glare Reflections on PV Footprint' chart in **Appendix G** shows that reflections from most, except a northern and southern section, of Array 1 and most, except a northern section, of Array 3 (see **Figure 5: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.87. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site, and the location from which the second image was taken (red dot). This image shows dense vegetation between the Solar PV Site and the receptor. The second image is a street view image with a view of the vegetation towards the Solar PV Site. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None.**

Residential Area 1

6.88. This encompasses a number of residential receptors including those at Receptors 1 - 8 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these eight receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 2

6.89. This encompasses a number of residential receptors including those at Receptors 11 - 13 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these three receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 3

6.90. This encompasses a number of residential receptors including those at Receptors 15 - 17 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these three receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 4

6.91. This encompasses a number of residential receptors including those at Receptors 26 - 28 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these four receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 5

6.92. This encompasses a number of residential receptors including those at Receptors 32 - 37 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these six receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 6

6.93. This encompasses a number of residential receptors including those at Receptors 41 - 43 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these three receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 7

6.94. This encompasses a number of residential receptors including those at Receptors 44 - 46 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these three receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 8

6.95. This encompasses a number of residential receptors including those at Receptors 53 - 57 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and

it was concluded their impacts were similar. As per the assessments of these five receptors, the impacts on the other receptors within this area are assessed as being **High (worst case scenario)**.

Residential Area 9

6.96. This encompasses a number of residential receptors including those at Receptors 58 - 63 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these six receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 10

6.97. This encompasses a number of residential receptors including those at Receptors 64 and 65 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these two receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 11

6.98. This encompasses a number of residential receptors including those at Receptors 66 - 71 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these six receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 12

6.99. This encompasses a number of residential receptors including those at Receptors 72 - 75 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these four receptors, the impacts on the other receptors within this area are assessed as being **High (worst case scenario)**.

Residential Area 13

6.100. This encompasses a number of residential receptors including those at Receptors 80 and 81 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these two receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 14

6.101. This encompasses a number of residential receptors including those at Receptors 84 - 89 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these six receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 15

6.102. This encompasses a number of residential receptors including those at Receptors 94 - 99 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these six receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 16

6.103. This encompasses a number of residential receptors including those at Receptors 100 - 115 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these 16 receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 17

6.104. This encompasses a number of residential receptors including those at Receptors 129 - 134 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple

receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these six receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 18

6.105. This encompasses a number of residential receptors including those at Receptors 137 - 141 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these five receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 19

6.106. This encompasses a number of residential receptors including those at Receptors 143 - 157 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these 15 receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Residential Area 20

6.107. This encompasses a number of residential receptors including those at Receptors 166 - 168 (assessed previously) (See **Figure 1: Appendix A**). Each receptor assessed represents multiple receptors as they are in close proximity of each other, so the worst-case scenario is assumed for the impact of glint and glare. All receptors were considered within the visibility analysis, and it was concluded their impacts were similar. As per the assessments of these three receptors, the impacts on the other receptors within this area are assessed as being **None (worst case scenario)**.

Road Receptors

6.108. **Table 6 - 2** shows a summary of the modelling results for each of the Road Receptor Points whilst the detailed results and ocular impact charts can be viewed in **Appendix H, I, J, and K**.

6.109. **Appendix H** shows the analysis for receptors 1-86 at a tilt angle of 15 degrees, **Appendix I** shows the analysis for receptors 1-86 at a tilt angle of 25 degrees. **Appendix J** shows the analysis for

receptors 87-170 at a tilt angle of 15 degrees, whilst **Appendix K** shows the analysis for receptors 87-170 at a tilt angle of 25 degrees.

6.110. Receptor number 171 has been excluded from the results as it is positioned in a no-reflection zone. The ground receptor no-reflection zones are clearly identifiable on **Figure 2: Appendix A** and the process of how these are calculated is explained in **paragraphs 5.1 to 5.2** of this report.

6.111. **Table 6 -2** shows the **worst-case** impact at each receptor, based on a theoretical modelled impact without consideration of existing or proposed local vegetation or other obstacles (ie a bare-earth scenario) and assuming no cloud at any point in the year.

Table 6 - 2: Potential for Glint and Glare Impact on Road Based Receptors

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
1	5237	0	0	Low	15
2	6141	154	0	High	15
3	5707	827	0	High	15
4	6220	787	0	High	15
5	6064	54	0	High	15
6	7254	2181	0	High	15
7	6407	2071	0	High	15
8	5172	222	0	High	15
9	2663	0	0	Low	15
10	4706	344	0	High	15
11	6779	874	0	High	15
12	5807	2934	0	High	15
13	5667	4557	0	High	15
14	6922	5723	0	High	15
15	10390	12250	0	High	15
16	13439	11851	0	High	15
17	4493	2753	0	High	25
18	4091	113	0	High	15
19	1226	1552	0	High	15
20	2500	1944	0	High	25
21	1204	1006	0	High	15
22	2046	175	0	High	25
23	1063	28	0	High	25

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
24	288	0	0	Low	25
25	470	0	0	Low	25
26	377	0	0	Low	25
27	832	0	0	Low	25
28	969	0	0	Low	25
29	1062	0	0	Low	25
30	1130	0	0	Low	25
31	1317	0	0	Low	25
32	1830	0	0	Low	25
33	2126	0	0	Low	25
34	2481	0	0	Low	25
35	2858	0	0	Low	25
36	3508	0	0	Low	25
37	4050	0	0	Low	25
38	5152	0	0	Low	25
39	6032	0	0	Low	25
40	6596	389	0	High	25
41	8386	1253	0	High	25
42	8079	2189	0	High	25
43	9366	1865	0	High	25
44	11098	1194	0	High	25
45	13430	588	0	High	15
46	12120	0	0	Low	15

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
47	13163	309	0	High	25
48	4462	89	0	High	25
49	4050	177	0	High	15
50	3496	657	0	High	15
51	2996	1079	0	High	15
52	2800	1341	0	High	15
53	2787	1488	0	High	15
54	3404	1739	0	High	25
55	3960	1251	0	High	25
56	4448	285	0	High	25
57	3431	248	0	High	25
58	4168	403	0	High	25
59	1876	75	0	High	25
60	900	0	0	Low	15
61	0	0	0	None	N/a
62	751	0	0	Low	15
63	416	0	0	Low	15
64	0	0	0	None	N/a
65	2149	3420	0	High	15
66	1403	156	0	High	25
67	404	0	0	Low	25
68	218	0	0	Low	25
69	110	0	0	Low	25

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
70	158	0	0	Low	25
71	422	0	0	Low	25
72	412	0	0	Low	25
73	3367	869	0	High	15
74	3916	1137	0	High	25
75	1065	0	0	Low	15
76	698	0	0	Low	15
77	67	0	0	Low	15
78	4625	1301	0	High	15
79	2484	876	0	High	15
80	4109	1035	0	High	25
81	7422	2105	0	High	15
82	8254	1480	0	High	15
83	8194	432	0	High	15
84	2158	663	0	High	15
85	1471	1467	0	High	15
86	1618	2247	0	High	25
87	3369	912	0	High	25
88	1612	128	0	High	25
89	2373	671	0	High	15
90	2423	738	0	High	15
91	2639	556	0	High	15
92	7750	3997	0	High	15

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
93	6397	2026	0	High	15
94	8957	2782	0	High	25
95	8782	7936	0	High	25
96	7979	3870	0	High	25
97	7816	8208	0	High	25
98	7782	8396	0	High	25
99	7014	5614	0	High	25
100	6634	2444	0	High	15
101	7015	919	0	High	25
102	6874	834	0	High	25
103	6552	199	0	High	25
104	5430	0	0	Low	25
105	6959	115	0	High	25
106	5906	58	0	High	15
107	2962	0	0	Low	25
108	2908	0	0	Low	25
109	1752	0	0	Low	25
110	738	0	0	Low	25
111	714	0	0	Low	25
112	508	0	0	Low	25
113	556	0	0	Low	25
114	531	0	0	Low	25
115	186	0	0	Low	25

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
116	2439	88	0	High	25
117	2488	8	0	High	15
118	3438	73	0	High	25
119	3315	348	0	High	25
120	3965	721	0	High	25
121	7368	4298	0	High	25
122	7056	1612	0	High	25
123	7095	6179	0	High	25
124	8892	2154	0	High	25
125	12444	1695	0	High	25
126	12850	2178	0	High	25
127	12679	3417	0	High	25
128	11881	1194	0	High	25
129	11123	0	0	Low	15
130	12377	2083	0	High	15
131	10985	2153	0	High	15
132	8911	641	0	High	25
133	5584	197	0	High	25
134	8707	1316	0	High	15
135	8425	2113	0	High	15
136	8822	1817	0	High	15
137	8225	433	0	High	15
138	6518	0	0	Low	15

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
139	5958	0	0	Low	15
140	4552	0	0	Low	15
141	4472	0	0	Low	15
142	4749	0	0	Low	15
143	4301	0	0	Low	15
144	4401	0	0	Low	15
145	11055	8234	0	High	25
146	17235	5205	0	High	15
147	9423	4250	0	High	25
148	11592	4189	0	High	25
149	10321	1648	0	High	25
150	9989	1775	0	High	25
151	11834	1294	0	High	15
152	1541	0	0	Low	25
153	2324	0	0	Low	25
154	3966	0	0	Low	25
155	6855	0	0	Low	25
156	11178	185	0	High	25
157	13367	2214	0	High	25
158	11823	4702	0	High	25
159	11983	1828	0	High	25
160	13851	3246	0	High	25
161	14450	1482	0	High	25

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
162	11643	643	0	High	25
163	12468	732	0	High	25
164	12276	655	0	High	25
165	11357	434	0	High	25
166	9678	122	0	High	25
167	11143	279	0	High	25
168	11640	234	0	High	25
169	8422	0	0	Low	15
170	8877	186	0	High	25

6.112. As can be seen in **Table 6 - 2**, there are 114 receptors that have potential glare impacts with the "potential for after-image" (Yellow Glare), which is a **High** impact, 54 receptors with the "low potential for after-image" (Green Glare), which is a **Low** impact, and 2 receptors with the "no potential for after-image" (Green and Yellow Glare), which is **None** impact. **Appendix H, I, J, and K** show detailed analysis of when the glint and glare impacts are possible, whilst also showing from which parts of the Solar PV Site the solar glint is reflected from.

6.113. **Appendix T** shows Google Earth images taken towards the Solar PV Site location at each of the receptor points where an impact is anticipated. The first image is a ground level terrain view and is based on the height data of the surrounding land showing no intervening vegetation or buildings. The Solar PV Site has been drawn as a white polygon and can be seen on the images when the Solar PV Site is theoretically visible. The area of the Solar PV Site from where reflections may be possible has been drawn as a yellow or green polygon. The second image is a street view image pointing in the same direction as the terrain image. This gives a good indication as to whether the area of the Solar PV Site where reflections are theoretically possible will be visible from the receptor point. For some receptors, a view from within the Proposed Development has been provided to display the vegetation on the boundary blocking all views of from the receptor to the Proposed Development.

6.114. As can be seen in **Appendix T**, views of the Solar PV Site are screened from those with a potential glare impact, except for receptors 14 – 17, 62, 63, 65, 94, 95, 98 – 100, 120 – 127, 145 – 148, by a mixture of intervening vegetation, topography and buildings or are outside the field of view of the driver. Therefore, impacts upon these receptors reduce to **None**.

Bridleway Receptors

6.115. **Table 6 - 4** shows a summary of the modelling results for each of the Bridleway Receptor Points whilst the detailed results and ocular impact charts can be viewed in **Appendix P - S** shows the analysis with the ground mounted solar panels at a tilt angle of between 15 and 25 degrees. **Appendix P** shows the analysis for Receptors 1 – 74 at an angle of 15 degrees, **Appendix Q** shows the analysis for Receptors 1 – 74 at an angle of 25 degrees. **Appendix R** shows the analysis for Receptors 75 – 87 at an angle of 15 degrees, **Appendix S** shows the analysis for Receptors 75 – 87 at an angle of 25 degrees.

6.116. The 11 receptors (88 - 99) within the no-reflection zones outlined previously has been excluded from the detailed modelling as they will never receive glint and glare impacts from the Scheme.

6.117. **Table 6 - 4** shows the **worst-case** impact at each receptor, based on a theoretical modelled impact without consideration of existing or proposed local vegetation or other obstacles (ie a bare-earth scenario) and assuming no cloud at any point in the year.

Table 6 - 4: Summary of Bridleway Glare Results

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
1	0	0	0	None	N/A
2	0	0	0	None	N/A
3	0	0	0	None	N/A
4	43	0	0	Low	25
5	76	0	0	Low	25
6	0	0	0	None	N/A
7	0	0	0	None	N/A
8	0	0	0	None	N/A
9	1894	0	0	Low	15
10	3874	516	0	High	25
11	3680	937	0	High	25
12	2480	2676	0	High	25
13	1465	2679	0	High	25
14	2096	3114	0	High	25
15	1338	0	0	Low	15
16	4502	991	0	High	15
17	7160	3888	0	High	25
18	7187	2772	0	High	15

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
19	7630	4619	0	High	15
20	5796	1427	0	High	25
21	5075	2232	0	High	25
22	5009	379	0	High	25
23	2485	48	0	High	15
24	1782	564	0	High	15
25	1574	928	0	High	25
26	1697	938	0	High	25
27	1247	1333	0	High	25
28	4962	2587	0	High	25
29	7017	1940	0	High	25
30	8745	3832	0	High	25
31	9620	2048	0	High	25
32	8618	2841	0	High	15
33	6611	2851	0	High	15
34	4801	60	0	High	25
35	5499	132	0	High	25
36	5498	91	0	High	25
37	5098	114	0	High	25

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
38	5845	351	0	High	25
39	7883	448	0	High	25
40	7774	531	0	High	25
41	6035	0	0	Low	15
42	5161	108	0	High	25
43	4574	362	0	High	25
44	5195	434	0	High	25
45	4340	475	0	High	25
46	3105	742	0	High	15
47	2468	971	0	High	25
48	5663	272	0	High	25
49	7077	804	0	High	15
50	7537	355	0	High	15
51	6974	1430	0	High	15
52	6247	477	0	High	25
53	4686	1695	0	High	25
54	4950	1793	0	High	25
55	5391	1468	0	High	25
56	5451	61	0	High	15

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
57	5526	0	0	Low	15
58	4919	0	0	Low	15
59	4554	0	0	Low	15
60	4076	0	0	Low	15
61	3492	0	0	Low	15
62	3752	0	0	Low	15
63	3564	0	0	Low	15
64	3682	0	0	Low	15
65	4862	0	0	Low	15
66	5338	0	0	Low	15
67	7221	0	0	Low	15
68	9281	1503	0	High	25
69	9577	1930	0	High	15
70	8760	2622	0	High	15
71	8507	1271	0	High	15
72	7761	539	0	High	15
73	5549	0	0	Low	15
74	6126	0	0	Low	15
75	11479	4871	0	High	25

Receptor	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Magnitude of Impact	Worst Case Tilt Angle (degrees)
76	10918	4738	0	High	15
77	11340	4661	0	High	15
78	11802	4920	0	High	25
79	12378	5243	0	High	25
80	13718	6440	0	High	25
81	13557	5117	0	High	25
82	12746	2240	0	High	25
83	12554	1938	0	High	25
84	13394	1825	0	High	25
85	12747	1878	0	High	25
86	13549	1081	0	High	25
87	13768	584	0	High	15

6.118. As can be seen in **Table 6 - 4**, there are 63 receptor points with the "high potential for after-image" (Yellow Glare), which is a **High** impact. There are 18 receptor points which have potential glare impacts with the "low potential for after-image" (Green Glare), which is a **Low** impact. Also, there are and there are six receptor points which have no potential Glare impacts which labels the impacts as **None**. **Appendix P, Q, R, and S** show detailed analysis of when the glint and glare impacts are possible, whilst also showing from which parts of the Solar PV Site the solar glint is reflected from.

6.119. **Appendix T** shows Google Earth images that give an insight into how each receptor will be impacted by the glint and glare from the Solar PV Site. There is a mixture of images used, which include aerial, ground level and street level. The aerial images show the location of the receptor with the solar farm drawn as a white polygon and can be seen on the images when the solar farm is theoretically visible, as well as the field of view of a train driver drawn between two red lines. The area of the solar farm from where reflections may be possible has been drawn as a yellow or green polygon. The ground level terrain is based on the height data of the surrounding land showing no intervening vegetation or buildings. The white and yellow polygons can be seen in this view also. The street view gives a good indication as to whether the area of the solar farm where reflections are theoretically possible will be visible from the receptor point. Also, where appropriate images that have been taken from within the Application Site have been used to show up to date imagery.

Receptors 4 and 5

6.120. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Array 12 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.121. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from a road to the west of the receptor with a view west towards the Array 12. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptor 9

6.122. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Arrays 11 and 12 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.123. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from a road to the west of the receptor with a view west towards the Arrays 11 and 12. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptor 10

6.124. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 11 and 12 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.125. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from a road which runs alongside the receptor with a view to the east towards the Arrays 11 and 12. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 11, 12, 13, and 14

6.126. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Array 11 and some sections of Array 12 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.127. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from a central area of Array 11 with a view west towards the receptors. This image confirms that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptors 15 and 16

6.128. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from sections of Arrays 7, 8, 9, 10, and 11 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.129. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from a the B660 looking west towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible for receptor 15 therefore impacts reduce to **None**. Impacts upon receptor 16 coming from Array 10 are not screened by the existing vegetation due to the bridleway running adjacent to the field. Therefore, the impact remains **High**.

Receptors 17, 18, 19, 20, and 21

6.130. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 5, 6, 7, 8, 9, and 10 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.131. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from the boundary of Array 10 with a view along the southern boundary of the Array. The third image is a photo taken from the east of Array 10 looking east towards Arrays 5, 6, 7, 8, and 9. These images confirm that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptors 22 and 23

6.132. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 6, 7, 8, 9, 10, and 11 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.133. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site. The impacts from arrays to the east of the receptor are "**low** potential for after-image" (Green Light) which is an acceptable impact. However, the impacts seen from Array 10 are "**High** potential for after-image" (Yellow Glare) but will be screened by the mitigation that will be implemented for receptors mentioned within the Assessment. Therefore, the impact remains **High**.

Receptors 24, 25, 26, and 27

6.134. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Array 11 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.135. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from the B660 with a view west towards the receptors and impacting array. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 28, 29, 30, 31, 32 and 33

6.136. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 5, 6, 7, 8, 9, and 10 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.137. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from The second image is a photo taken from the B660 with a view west towards the receptors and impacting array. This image confirms that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptor 34

6.138. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Arrays 2, 3, 4, 5, 6, 7, and 8 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.139. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from within Array 7 with a view west towards the receptor. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 35, 36, and 37

6.140. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 2, 3, 4, 5, 6, 7, 8, and 9 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.141. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from within Array 7 with a view west towards the receptor. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 38, 39, and 40

6.142. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 3, 4, 5, 6, 7, 8, and 9 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.143. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from within Array 7 with a view west towards the receptor. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 41 and 42

6.144. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 3, 4, 5, 6, 7, 8, and 9 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.145. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from within Array 7 with a view west towards the

receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 43, 44, 45, and 46

6.146. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Arrays 3, 4, 5, 6, 7, 8, and 9 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.147. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from within Array 7 with a view west towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptor 47

6.148. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 3, 4, 6, and 7 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.149. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from a within Array 7 with a view west towards the receptor. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 48, 49, 50, and 51

6.150. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, 4, 5, 6, and 7 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.151. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from a within Array 7 with a view west towards the receptors. The third image is a photo taken from the southern boundary of Array 7 with a view west towards the receptors. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 52, 53, 54 and 55

6.152. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 2, 3, 4, 5, 6, and 7 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.153. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from the southern boundary of Array 7 with a view west towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 56 and 57

6.154. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, and 4 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.155. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from the southern boundary of Array 7 with a view west towards the receptors. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 58 and 59

6.156. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, and 4 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.157. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from an adjacent road to the receptors with a view northeast towards the Arrays 1, 2, 3, and 4. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 60, 61, 62, 63, 64, and 65

6.158. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, and 3 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.159. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second image was taken (red dot). The second image is a photo taken from a road to the east of the receptors with a view north showing the intervening vegetation running along the road. This image confirms that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 66 and 67

6.160. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, 4, 7, and 10 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.161. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from a road to the east of the receptors with a view north showing the intervening vegetation running along the road. The third image is a photo taken from the south boundary of Array 10 with a view southwest along the Boundary. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 68, 69, and 70

6.162. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, 4, 7, 8, 10, and 11 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.163. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from within Array 3 with a view west towards the receptors. The third image is a street view image taken from the road to the south of the receptors with a view north along the bridleway. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 71 and 72

6.164. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, 4, 7, and 10 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.165. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from a road to

the east of the receptors showing the intervening vegetation with a view south. The third image is a street view image taken from the road to the north of the receptors with a view south along the bridleway. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 73 and 74

6.166. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, 7 and 10 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.167. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from a road to the east of the receptors showing the intervening vegetation with a view north. The third image is a street view image taken from the road to the northwest of the receptors with a view northwest towards Array 7 and 10. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 75 and 76

6.168. The 'Glare Reflections on PV Footprint' chart in **Appendix P** shows that reflections from Arrays 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.169. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from within the boundary of Array 1 with a view looking west towards the receptor. The third image is a photo taken from within the boundary of Array 3 with a view looking east towards the receptor. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact reduces to **None**.

Receptors 77 and 78

6.170. The 'Glare Reflections on PV Footprint' chart in **Appendix P** shows that reflections from Arrays 1, 2, 3, and 4(see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.171. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from within the boundary of Array 1 with a view looking west towards the receptor. The third image is a photo taken from within the boundary of Array 3 with a view looking east towards the receptor. These

images confirm that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptor 79

6.172. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Arrays 1, 2, 3, and 4 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.173. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from the northern boundary of Array 2 with a view looking northeast towards the reflections from Array 1. The third image is a photo taken from within the boundary of Array 3 with a view looking east towards the receptor. These images confirm that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptor 80

6.174. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Arrays 1, 2, 3, and 4 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.175. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from the northern boundary of Array 2 with a view looking northeast towards the reflections from Array 1. The third image is a photo taken from within the boundary of Array 3 with a view looking east towards the receptor. These images confirm that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptor 81

6.176. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Arrays 1, 2, 3, and 4 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptor.

6.177. The first image in **Appendix T** is an aerial view which shows the location of the receptor (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from the northern boundary of Array 2 with a view looking northeast towards the reflections from Array 1. The third image is a photo taken from within the boundary of Array 3 with a view looking

east towards the receptor. These images confirm that the vegetation is insufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact remains **High**.

Receptors 82 and 83

6.178. The 'Glare Reflections on PV Footprint' chart in **Appendix Q** shows that reflections from Arrays 1, 2, 3, and 4 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.179. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from within the boundary of Array 1 with a view looking east towards the receptors. The third image is a photo taken from within the boundary of Array 3 with a view looking east towards the receptor. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact is reduced to **None**.

Receptors 84, 85, 86, 87, and 88

6.180. The 'Glare Reflections on PV Footprint' chart in **Appendix P and Q** shows that reflections from Arrays 1, 2, 3, and 4 (see **Figure 4: Appendix A**) of the Solar PV Site can potentially impact on the receptors.

6.181. The first image in **Appendix T** is an aerial view which shows the location of the receptors (yellow pin) in relation to the Solar PV Site and the location from which the second and third images were taken (red and blue dots respectively). The second image is a photo taken from within the boundary of Array 2 with a view looking east towards the receptors. The third image is a photo taken from within the boundary of Array 3 with a view looking east towards the receptor. These images confirm that the vegetation is sufficient to screen all views of the Solar PV Site where glint and glare is possible. Therefore, the impact is reduced to **None**.

Aviation Receptors

6.182. **Table 6 - 5** shows a summary of the modelling results for each of the runway approach paths, whilst the detailed results and ocular impact charts can be viewed in **Appendix L, M, N, and O.**

6.183. **Appendix L** shows the analysis for a tilt angle of 15 degrees at Old Warden Airport, **Appendix M** shows the analysis for a tilt angle of 25 degrees at Old Warden Airport, whilst **Appendix N** shows the analysis for a tilt angle of 15 degrees at Sackville Farm, and **Appendix O** shows the analysis for a tilt angle of 25 degrees at Sackville Farm.

Table 6 - 5: Summary of Aviation Glare Results

Component	Green Glare (mins)	Yellow Glare (mins)	Red Glare (mins)	Worst Case Tilt Angle (degrees)
Old Warden Airport				
Runway 02	0	0	0	N/A
Runway 20	0	0	0	N/A
Sackville Farm				
Runway 31	0	0	0	N/A
Runway 13	12679	171	0	25

6.184. As can be seen in **Table 6 - 5**, there are no Glare impacts for the receptors at Old Warden Airport or the Runway 31 approach path at Sackville Farm. There is yellow glare and green glare potential for the Runway 13 approach path at Sackville Farm. Green glare is an **acceptable impact** upon runways according to FAA guidance.

6.185. To determine the actual impact of glare for pilots upon approach at Runway 13 at Sackville Farm, a visibility assessment of where the sun will be located at the time of impact in relation to each array has been undertaken, with these images visible in **Appendix O**. The approach path to Runway 13 has been drawn as a red line.

6.186. As outlined in **paragraph 4.16** the sun's reflections will be far greater than those reflections from the solar array. Pilots on approach are often landing into the sun at sunset or sunrise. The sun's impact can be mitigated by wearing sunglasses, using darkened cockpit sun visors, overflying and inspecting the runway, landing in the opposite direction if wind conditions allow and planning their flight to land outside the times when sun glare if possible. In addition, given the glare impacts occur at or just after sunrise and the type of small aircraft using this airfield, it is unlikely that these aircraft will be setting off early enough (in the dark) to arrive at the times at which glare is predicted to occur for approaches to Runway 13 approach path at Sackville Farm. Also, given the caravan park at the approach end of Runway 13, pilots will most likely use the Runway 31 approach. The most recent Google Earth aerial imagery from 28th May 2020 suggests that the airfield is quiet and rarely used.

6.187. It is important to note that these predicted results are the absolute worst-case scenario as the model does not account for variations such as cloud cover. Once cloud cover is considered, the total duration of predicted glare will decrease significantly and as such, will decrease impact further. Additionally, as outlined within the updated policy from the FAA and the CAA's CAP738 document, glare impacts have not been reported to cause pilots more impact than other existing infrastructure, such as; car parks, glass buildings and water bodies. Thus, the FAA have reduced the assessment criteria to only assess glare impacts ATCTs.

6.188. Given the following is stated within the NPS EN-3 "*Whilst there is some evidence that glint and glare from solar farms can be experienced by pilots and air traffic controllers in certain conditions, there is no evidence that glint and glare from solar farms results in significant impairment on aircraft safety. Therefore, unless a significant impairment can be demonstrated, the Secretary of State is unlikely to give any more than limited weight to claims of aviation interference because of glint and glare from solar farms*", and there are a significant number of solar farms co-located with airport land across the world with there yet to be a major issue due to glare, overall impacts on Aviation receptors is Low and Not Significant.

7. GROUND BASED RECEPTOR MITIGATION

7.1. Mitigation is required due to the **High** impacts found at four Residential, 22 Road and 25 bridleway receptors. Measures have also been included to mitigate the **Low** impact views from one Residential and two Road Receptors. These measures can be seen on **Figure 5: Appendix A** and include:

- Native hedgerows to be planted/infilled and maintained to a height of at least 3m along the east/southwest boundaries of Array 1, north/east/northwest boundaries of Array 2, east/southeast boundaries of Array 5, northwest/boundary with road/east/southeast boundaries of Array 6, northeast/east/southwest/west boundaries of Array 7, western boundary of Array 8, southern boundary of Array 9, northeast, southeast/south boundaries of Array 10, southwest boundary of Array 11 and the east/northwest/north boundaries of Array 12.

7.2. **Table 7 - 1, Table 7 - 2 and Table 7 - 3** show the impacts at each stage of the glint and glare analysis, with the final residual impacts considered once the mitigation is in place.

Table 7 - 1: Residual Glint and Glare Impacts on Residential Receptors

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
1	None	None	**None**
2	None	None	**None**
3	None	None	**None**
4	None	None	**None**
5	None	None	**None**
6	None	None	**None**
7	None	None	**None**
8	None	None	**None**
9	None	None	**None**
10	None	None	**None**
11	None	None	**None**

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
12	None	None	None
13	None	None	None
14	Low	Low	None
15	None	None	None
16	None	None	None
17	None	None	None
18	None	None	None
19	None	None	None
20	None	None	None
21	High	None	None
22	Low	None	None
23	None	None	None
24	None	None	None
25	None	None	None
26	Low	None	None
27	Low	None	None
28	Low	None	None
29	Medium	None	None
30	Medium	None	None
31	Medium	None	None
32	Medium	None	None
33	Low	None	None
34	Low	None	None
35	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
36	Low	None	None
37	Low	None	None
38	Low	None	None
39	Low	None	None
40	Low	None	None
41	Medium	None	None
42	Low	None	None
43	Low	None	None
44	None	None	None
45	None	None	None
46	None	None	None
47	High	None	None
48	High	None	None
49	High	None	None
50	High	None	None
51	High	None	None
52	High	None	None
53	Low	High	None
54	Medium	None	None
55	Low	None	None
56	Low	None	None
57	Low	None	None
58	Medium	None	None
59	None	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
60	Low	None	None
61	Low	None	None
62	Low	None	None
63	Low	None	None
64	Low	None	None
65	Low	None	None
66	Low	None	None
67	High	None	None
68	High	None	None
69	High	None	None
70	High	None	None
71	High	None	None
72	High	None	None
73	Medium	None	None
74	Low	None	None
75	High	High	None
76	High	None	None
77	High	None	None
78	Low	None	None
79	Low	None	None
80	Low	None	None
81	Low	None	None
82	Low	None	None
83	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
84	None	None	None
85	None	None	None
86	None	None	None
87	None	None	None
88	None	None	None
89	None	None	None
90	High	None	None
91	High	None	None
92	High	None	None
93	High	None	None
94	Low	None	None
95	Low	None	None
96	Low	None	None
97	Low	None	None
98	None	None	None
99	Medium	None	None
100	High	None	None
101	High	None	None
102	High	None	None
103	High	None	None
104	High	None	None
105	Low	None	None
106	None	None	None
107	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
108	Low	None	None
109	Low	None	None
110	High	None	None
111	Medium	None	None
112	High	None	None
113	Medium	None	None
114	Medium	None	None
115	Medium	None	None
116	High	High	None
117	Medium	None	None
118	High	None	None
119	None	None	None
120	None	None	None
121	Low	None	None
122	Low	None	None
123	High	None	None
124	High	None	None
125	Low	None	None
126	Low	High	None
127	None	None	None
128	None	None	None
129	Low	None	None
130	Low	None	None
131	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
132	Low	None	None
133	Low	None	None
134	None	None	None
135	None	None	None
136	None	None	None
137	None	None	None
138	None	None	None
139	None	None	None
140	None	None	None
141	None	None	None
142	None	None	None
143	None	None	None
144	None	None	None
145	None	None	None
146	None	None	None
147	None	None	None
148	None	None	None
149	None	None	None
150	None	None	None
151	None	None	None
152	None	None	None
153	None	None	None
154	None	None	None
155	None	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
156	Low	None	None
157	High	None	None
158	High	None	None
159	High	None	None
160	Low	None	None
161	Low	None	None
162	Low	None	None
163	None	None	None
164	Low	None	None
165	Low	None	None
166	None	None	None
167	Low	None	None
168	High	None	None
169	Medium	None	None
170	High	None	None
171	Low	None	None
172	Low	None	None
173	Low	None	None
174	Low	None	None

Table 7 - 2: Residual Glint and Glare Impacts on Road Receptors

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
1	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
2	High	None	None
3	High	None	None
4	High	None	None
5	High	None	None
6	High	None	None
7	High	None	None
8	High	None	None
9	Low	None	None
10	High	None	None
11	High	None	None
12	High	None	None
13	High	None	None
14	High	High	None
15	High	High	None
16	High	High	None
17	High	High	None
18	High	None	None
19	High	None	None
20	High	None	None
21	High	None	None
22	High	None	None
23	High	None	None
24	Low	None	None
25	Low	None	None
26	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
27	Low	None	None
28	Low	None	None
29	Low	None	None
30	Low	None	None
31	Low	None	None
32	Low	None	None
33	Low	None	None
34	Low	None	None
35	Low	None	None
36	Low	None	None
37	Low	None	None
38	Low	None	None
39	Low	None	None
40	High	None	None
41	High	None	None
42	High	None	None
43	High	None	None
44	High	None	None
45	High	None	None
46	Low	None	None
47	High	None	None
48	High	None	None
49	High	None	None
50	High	None	None
51	High	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
52	High	None	None
53	High	None	None
54	High	None	None
55	High	None	None
56	High	None	None
57	High	None	None
58	High	None	None
59	High	None	None
60	Low	None	None
61	None	None	None
62	Low	Low	None
63	Low	Low	None
64	None	None	None
65	High	High	None
66	High	None	None
67	Low	None	None
68	Low	None	None
69	Low	None	None
70	Low	None	None
71	Low	None	None
72	Low	None	None
73	High	None	None
74	High	None	None
75	Low	None	None
76	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
77	Low	None	None
78	High	None	None
79	High	None	None
80	High	None	None
81	High	None	None
82	High	None	None
83	High	None	None
84	High	None	None
85	High	None	None
86	High	None	None
87	High	None	None
88	High	None	None
89	High	None	None
90	High	None	None
91	High	None	None
92	High	None	None
93	High	None	None
94	High	High	None
95	High	High	None
96	High	None	None
97	High	None	None
98	High	High	None
99	High	High	None
100	High	High	None
101	High	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
102	High	None	None
103	High	None	None
104	Low	None	None
105	High	None	None
106	High	None	None
107	Low	None	None
108	Low	None	None
109	Low	None	None
110	Low	None	None
111	Low	None	None
112	Low	None	None
113	Low	None	None
114	Low	None	None
115	Low	None	None
116	High	None	None
117	High	None	None
118	High	None	None
119	High	None	None
120	High	High	None
121	High	High	None
122	High	High	None
123	High	High	None
124	High	High	None
125	High	High	None
126	High	High	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
127	High	High	None
128	High	None	None
129	Low	None	None
130	High	None	None
131	High	None	None
132	High	None	None
133	High	None	None
134	High	None	None
135	High	None	None
136	High	None	None
137	High	None	None
138	Low	None	None
139	Low	None	None
140	Low	None	None
141	Low	None	None
142	Low	None	None
143	Low	None	None
144	Low	None	None
145	High	High	None
146	High	High	None
147	High	High	None
148	High	High	None
149	High	None	None
150	High	None	None
151	High	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
152	Low	None	None
153	Low	None	None
154	Low	None	None
155	Low	None	None
156	High	None	None
157	High	None	None
158	High	None	None
159	High	None	None
160	High	None	None
161	High	None	None
162	High	None	None
163	High	None	None
164	High	None	None
165	High	None	None
166	High	None	None
167	High	None	None
168	High	None	None
169	Low	None	None
170	High	None	None

Table 7 - 3: Residual Glint and Glare Impacts on Bridleway Receptors

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
1	None	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
2	None	None	None
3	None	None	None
4	Low	None	None
5	Low	None	None
6	None	None	None
7	None	None	None
8	None	None	None
9	Low	None	None
10	High	None	None
11	High	High	None
12	High	High	None
13	High	High	None
14	High	High	None
15	Low	None	None
16	High	High	None
17	High	High	None
18	High	High	None
19	High	High	None
20	High	High	None
21	High	High	None
22	High	High	None
23	High	High	None
24	High	None	None
25	High	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
26	High	None	None
27	High	None	None
28	High	High	None
29	High	High	None
30	High	High	None
31	High	High	None
32	High	High	None
33	High	High	None
34	High	None	None
35	High	None	None
36	High	None	None
37	High	None	None
38	High	None	None
39	High	None	None
40	High	None	None
41	Low	None	None
42	High	None	None
43	High	None	None
44	High	None	None
45	High	None	None
46	High	None	None
47	High	None	None
48	High	None	None
49	High	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
50	High	None	None
51	High	None	None
52	High	None	None
53	High	None	None
54	High	None	None
55	High	None	None
56	High	None	None
57	Low	None	None
58	Low	None	None
59	Low	None	None
60	Low	None	None
61	Low	None	None
62	Low	None	None
63	Low	None	None
64	Low	None	None
65	Low	None	None
66	Low	None	None
67	Low	None	None
68	High	None	None
69	High	None	None
70	High	None	None
71	High	None	None
72	High	None	None
73	Low	None	None

Receptor	Magnitude of Impact		
	After Geometric Analysis (Bald Earth)	After Visibility Analysis	Residual Impacts
74	Low	None	None
75	High	None	None
76	High	None	None
77	High	High	None
78	High	High	None
79	High	High	None
80	High	High	None
81	High	High	None
82	High	None	None
83	High	None	None
84	High	None	None
85	High	None	None
86	High	None	None
87	High	None	None

7.3. **Table 7 - 4, Table 7 - 5, and Table 7 - 6** show the overall impacts for all residential, road and bridleway receptors.

Table 7 - 4: Solar Reflection: Residential Receptors

Magnitude	Theoretical Visibility (Bald Earth)	Actual Visibility (No Mitigation)	Actual Visibility with Mitigation
High	36	4	0
Medium	15	0	0
Low	61	1	0
None	62	169	174

- **High –** Solar reflections impacts of over 30 hours per year or over 30 minutes per day

- **Medium -** Solar reflections impacts between 20 and 30 hours per year or between 20 minutes and 30 minutes per day
- **Low -** Solar reflections impacts between 0 and 20 hours per year or between 0 minutes and 20 minutes per day
- **None -** Effects not geometrically possible or no visibility of reflective surfaces likely due to high levels of intervening screening

Table 7 - 5: Solar Reflection: Road Receptors

Magnitude	Theoretical Visibility (Bald Earth)	Actual Visibility (No Mitigation)	Actual Visibility with Mitigation
High	114	22	0
Low	54	2	0
None	2	146	170

- **High -** Solar reflections impacts with yellow glare (potential for after-image).
- **Low -** Solar reflections impacts with only green glare (low potential for after-image)
- **None -** Effects not geometrically possible or no visibility of reflective surfaces likely due to high levels of intervening screening or being outside the drivers field of view

Table 7 - 6: Solar Reflection: Bridleway Receptors

Magnitude	Theoretical Visibility (Bald Earth)	Actual Visibility (No Mitigation)	Actual Visibility with Mitigation
High	63	23	0
Low	18	0	0
None	6	64	87

- **High -** Solar reflections impacts with yellow glare (potential for after-image).
- **Low -** Solar reflections impacts with only green glare (low potential for after-image)
- **None -** Effects not geometrically possible or no visibility of reflective surfaces likely due to high levels of intervening screening or being outside the drivers field of view

8. SUMMARY

8.1. This assessment considers the potential impacts on ground-based receptors such as roads, rail, residential dwellings, and bridleways as well as aviation assets. A 1km study area around the Solar PV Site is considered adequate for the assessment of ground-based (residential, rail, road, and bridleway) receptors, whilst a 30km study area is chosen for aviation receptors. Within the ground-based study areas of the Solar PV Site, there are 176 residential receptors, including 20 residential areas, 171 road receptors and 99 bridleway receptors that were considered. As per the methodology section, where there are several residential receptors within close proximity, a representative dwelling or dwellings is/are chosen for full assessment as the impacts will not vary to any significant degree. Where small groups of receptors have been evident, the receptors on either end of the group have been assessed in detail. Two residential receptors, one road receptor and 12 bridleway receptors were dismissed as they are located within the non-reflection zones. 42 aerodromes are located within the 30km study area; two of which, Old Warden Airport and Sackville Farm Aerodrome required detailed assessments as the Solar PV Site is located within their respective safeguarding buffer zones. The other 40 aerodromes did not require a detailed assessment due to their size and/or orientation in relation to the Solar PV Site.

8.2. Geometric analysis was conducted at 174 individual residential receptors, including 20 residential areas, 170 road receptors, and 87 bridleway receptors. Also, geometric analysis was conducted at four runway approach paths at Old Warden Airport and Sackville Farm Aerodrome.

8.3. Following an initial assessment, rail receptors were scoped out as assets that will be impacted upon from the Proposed Development as no rail receptors fell within the 1km study area. The assessment concludes that:

- Solar reflections are possible at 112 of the 174 residential receptors assessed within the 1km study area. Once reviewing the actual visibility of the receptors, glint and glare impacts remain High at four receptors, Low at one receptor and reduce to None for 169 receptors. Once mitigation taken into consideration the impacts all residential receptors reduced to None. Therefore, overall impacts on residential receptors are considered to be None.

- Solar reflections are possible at 168 of the 170 road receptors assessed within the 1km study area. Once reviewing the actual visibility of the receptors, glint and glare impacts remain High at 22 receptors, Low at two receptors and reduced to None for 146 receptors. Once mitigation taken into consideration the impacts all road receptors reduced to None. Therefore, overall impacts on road receptors are considered to be None.

- Solar reflections are possible at 81 of the 87 bridleway receptors assessed within the 1km study area. Once reviewing the actual visibility of the receptors, glint and glare impacts remain **High** at 23 receptors and reduce to **None** at 54 receptors. Once mitigation taken into consideration the impacts all bridleway receptors reduced to **None**. Therefore, overall impacts on bridleway receptors are considered to be **None**.
- **No impact** on train drivers or railway infrastructure is predicted.
- Four runway approach paths were assessed in detailed at Old Warden Airport and Sackville Farm Aerodrome**.** Green glare and yellow glare impacts were predicted for Runway 13 at Sackville Farm Aerodrome. Green glare is an **acceptable impact** upon runways according to FAA guidance. Upon inspection of the type of aircraft using Sackville Farm Aerodrome, time of impact, position of the sun and use of existing pilot mitigation strategies when landing in the direction of the sun, as well as the likely landing direction for the runway and Google Earth aerial imagery indicating the airfield is not in use, all impacts at Sackville Farm Aerodrome can be deemed **acceptable**. Overall impacts on aviation assets are **acceptable** and **Not Significant**.

8.4. **Mitigation** is required due to the **High** impacts at four Residential Receptors, 22 road and 25 Bridleway Receptors. Measures have also been included to mitigate the **Low** impact views from one Residential and two Road Receptors. Mitigation Measures include native hedgerows to be planted/infilled and maintained to a height of at least 3.5m along the north/south/southwest boundary of Array 1, east/north/northwest boundary of Array 2, east/southeast boundary of Array 5, northeast/west/northwest/east/southeast and lining the roads that cross the boundary of Array 6, west/southwest/northeast/east boundary of Array 7, west boundary of Array 8, south boundary of Array 9, northeast/south/southeast boundary of Array 10, southwest boundary of Array 11, and the north/northwest/east boundary of Array 12.

8.5. The effects of glint and glare and their impact on local receptors has been analysed in detail and there is predicted to be **No impacts** at the runway approach paths. Impacts upon ground-based receptors are predicted to be **None.** Therefore, overall impacts are **Negligible**.

9. APPENDICES

APPENDIX A: FIGURES

- Figure 1A: Residential Receptor Map Overall
- Figure 1B: Residential Receptor Map Sheet 1B
- Figure 1C: Residential Receptor Map Sheet 1C
- Figure 1D: Residential Receptor Map Sheet 1D
- Figure 2: Road Receptor Map
- Figure 3: Bridleway Receptor Map
- Figure 4: Panel Area Labels
- Figure 5: Mitigation Areas
- Figure 6: Old Warden Airport Aerodrome Chart
- Figure 7: Sackville Farm Aerodrome Chart

APPENDIX B: RESIDENTIAL RECEPTOR GLARE RESULTS (RECEPTORS 1 – 65) (15 DEGREES)

APPENDIX C: RESIDENTIAL RECEPTOR GLARE RESULTS (RECEPTORS 1 – 65) (25 DEGREES)

APPENDIX D: RESIDENTIAL RECEPTOR GLARE RESULTS (RECEPTORS 66 – 123) (15 DEGREES)

APPENDIX E: RESIDENTIAL RECEPTOR GLARE RESULTS (RECEPTORS 66 – 123) (25 DEGREES)

APPENDIX F: RESIDENTIAL RECEPTOR GLARE RESULTS (RECEPTORS 124 – 174) (15 DEGREES)

APPENDIX G: RESIDENTIAL RECEPTOR GLARE RESULTS (RECEPTORS 124 – 174) (25 DEGREES)

APPENDIX H: ROAD RECEPTOR GLARE RESULTS (RECEPTORS 1 – 86) (15 DEGREES)

APPENDIX I: ROAD RECEPTOR GLARE RESULTS (RECEPTORS 1 – 86) (25 DEGREES)

APPENDIX J: ROAD RECEPTOR GLARE RESULTS (RECEPTORS 87 – 171) (15 DEGREES)

APPENDIX K: ROAD RECEPTOR GLARE RESULTS (RECEPTORS 87 – 171) (25 DEGREES)

APPENDIX L: AVIATION RECEPTOR GLARE RESULTS A (15 DEGREES)

APPENDIX M: AVIATION RECEPTOR GLARE RESULTS A (25 DEGREES)

APPENDIX N: AVIATION RECEPTOR GLARE RESULTS B (15 DEGREES)

APPENDIX O: AVIATION RECEPTOR GLARE RESULTS B (25 DEGREES)

APPENDIX P: BRIDLEWAY RECEPTOR GLARE RESULTS (RECEPTORS 1 – 75) (15 DEGREES)

APPENDIX Q: BRIDLEWAY RECEPTOR GLARE RESULTS (RECEPTORS 1 – 75) (25 DEGREES)

APPENDIX R: BRIDLEWAY RECEPTOR GLARE RESULTS (RECEPTORS 76 – 88) (15 DEGREES)

APPENDIX S: BRIDLEWAY RECEPTOR GLARE RESULTS (RECEPTORS 76 – 88) (25 DEGREES)

APPENDIX T: VISIBILITY ASSESSMENT EVIDENCE

APPENDIX U: SOLAR MODULE GLARE AND REFLECTANCE TECHNICAL MEMO

Appendix A: Figures

East Park Solar Farm
Residential Based Receptors
Figure 1A

Figure 1B

Figure 1C

Figure 1D

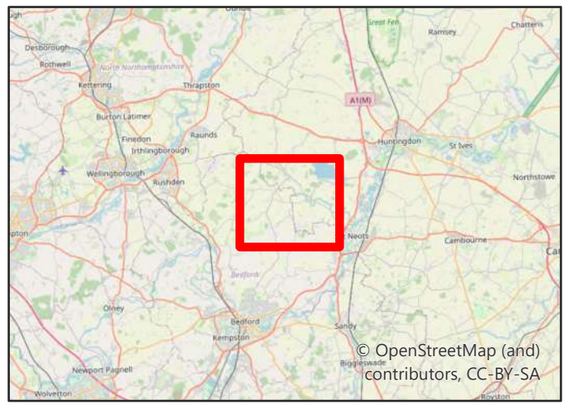
Key

- Development Boundary
- Panel Boundary
- 1km Study Area
- Glare Not Possible at Receptor
- Glare Possible at Receptor
- Residential Area
- Non-Reflection Zone

0 0.5 1 2 Kilometers

Maxar, Microsoft

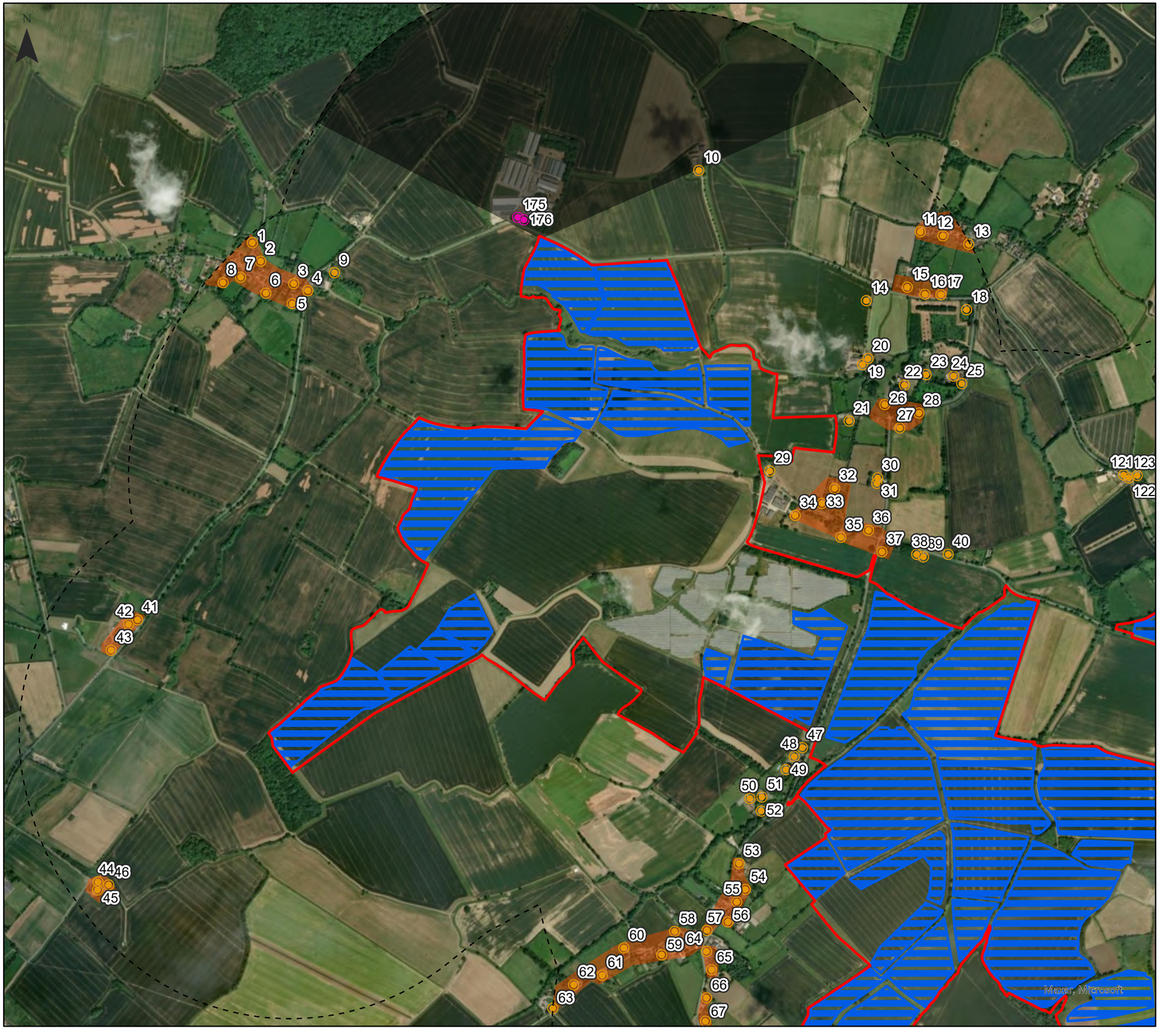
Neo Office Address:
Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL



Date: 22/08/2025
Drawn By: Thomas Hughes
Scale (A3): 1:40,000
Drawing No: NEO01475/002I/B

neo ENVIRONMENTAL

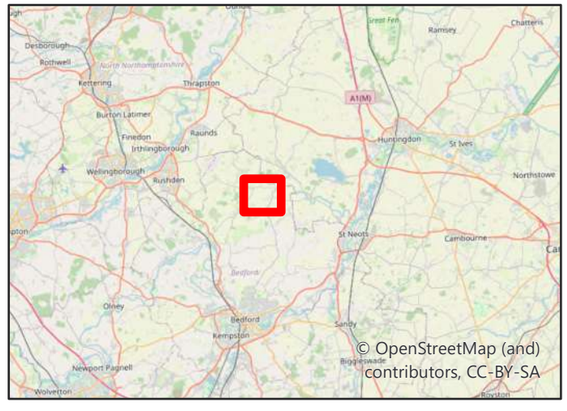
East Park Solar Farm
Residential Based Receptors
Figure 1B



Key

- Development Boundary
- Panel Boundary
- 1km Study Area
- Glare Not Possible at Receptor
- Glare Possible at Receptor
- Residential Area
- Non-Reflection Zone

Neo Office Address:
Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL



Date: 22/08/2025
Drawn By: Thomas Hughes
Scale (A3): 1:15,000
Drawing No: NEO01475/003I/B

neo ENVIRONMENTAL

East Park Solar Farm
Residential Based Receptors
Figure 1C

Key

- Development Boundary
- Panel Boundary
- 1km Study Area
- Glare Not Possible at Receptor
- Glare Possible at Receptor
- Residential Area
- Non-Reflection Zone

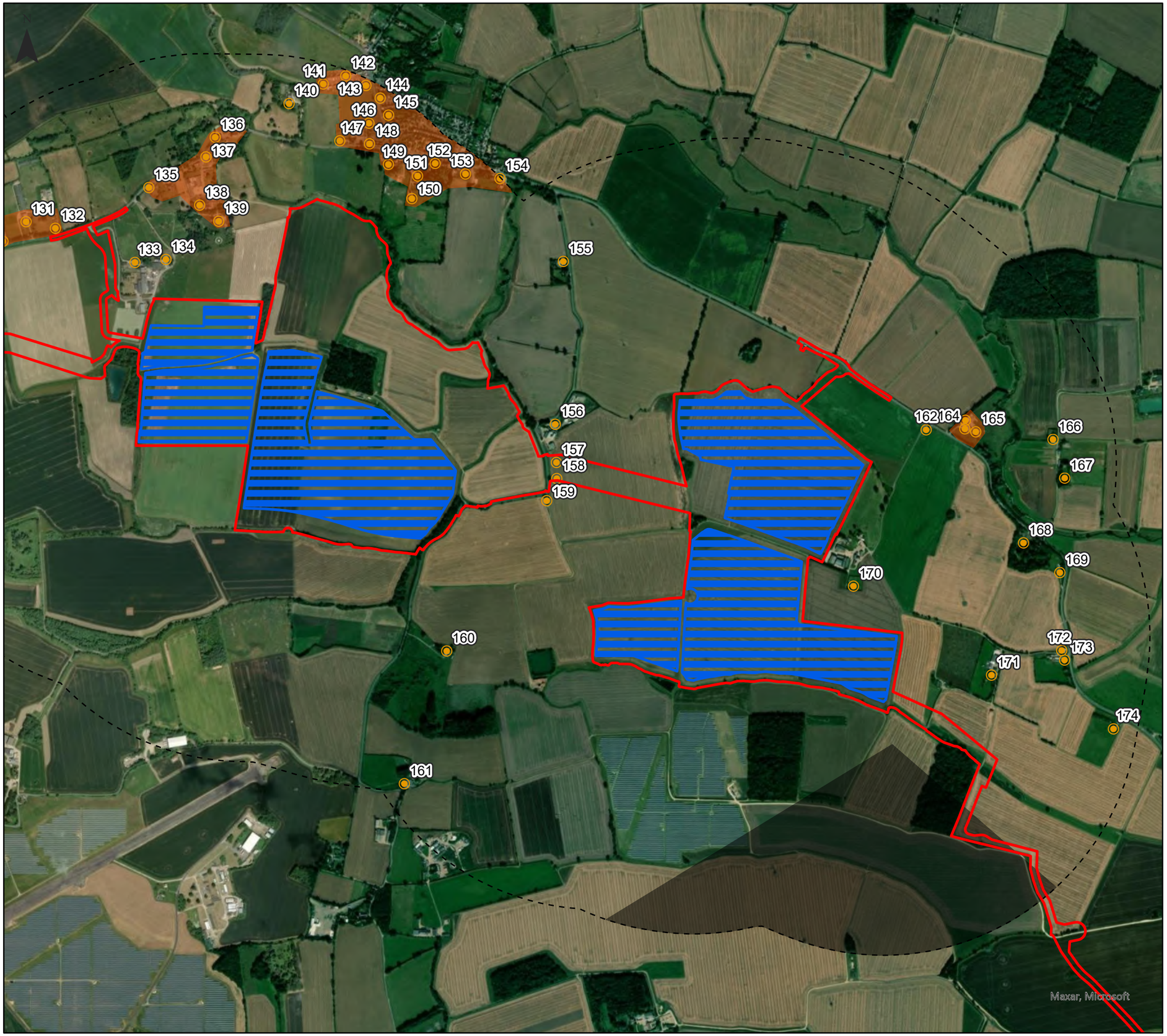
Neo Office Address:
Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL

Date: 22/08/2025
Drawn By: Thomas Hughes
Scale (A3): 1:15,000
Drawing No: NEO01475/004I/B

0 0.25 0.5 1 Kilometers

Maxar, Microsoft

East Park Solar Farm
Residential Based Receptors
Figure 1D

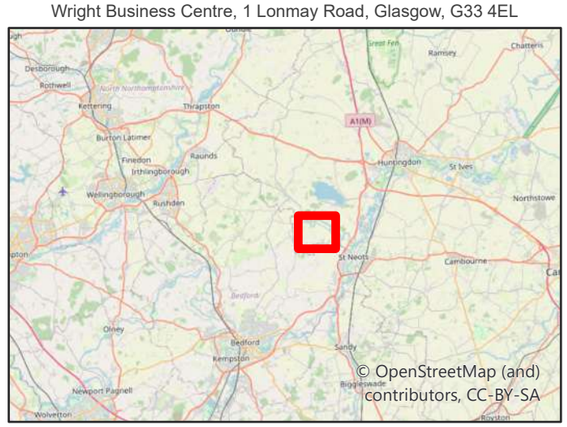


0 0.25 0.5 1 Kilometers

Key

- Development Boundary
- Panel Boundary
- 1km Study Area
- Glare Not Possible at Receptor
- Glare Possible at Receptor
- Residential Area
- Non-Reflection Zone

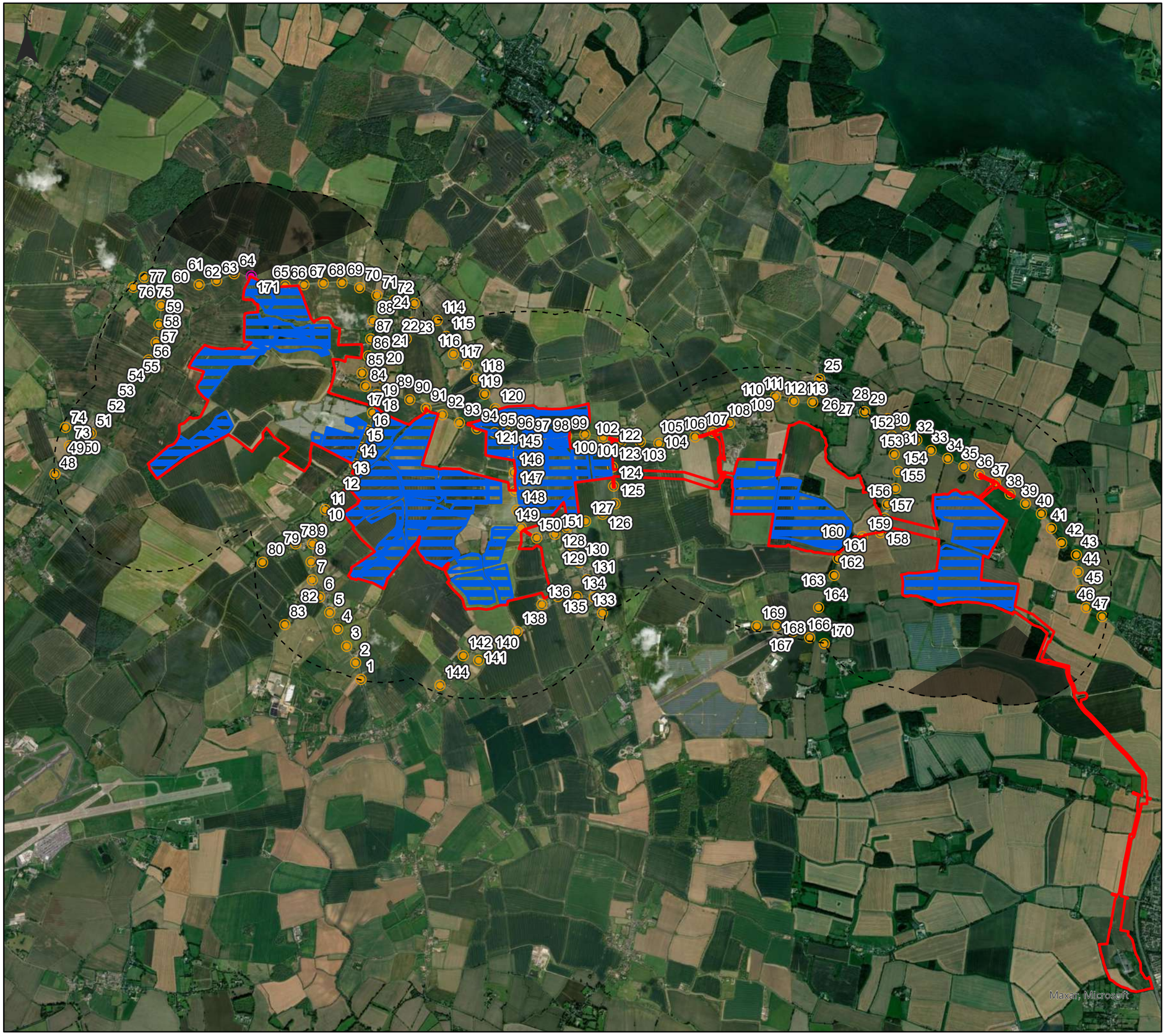
Neo Office Address:
Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL



Date: 22/08/2025
Drawn By: Thomas Hughes
Scale (A3): 1:15,000
Drawing No: NEO01475/005I/B

neo ENVIRONMENTAL

East Park Solar Farm
Road Based Receptors
Figure 2

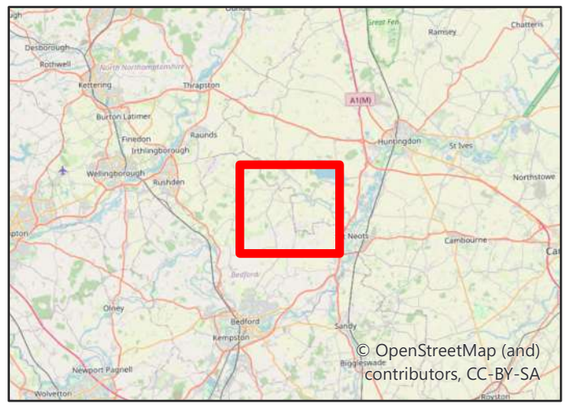


0 0.5 1 2 Kilometers

Key

- Development Boundary
- Panel Boundary
- 1km Study Area
- Glare Not Possible at Receptor
- Glare Possible at Receptor
- Non-Reflection Zone

Neo Office Address:
Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL



Date: 13/08/2025
Drawn By: Thomas Hughes
Scale (A3): 1:40,000
Drawing No: NEO01475/001I/B

neo ENVIRONMENTAL

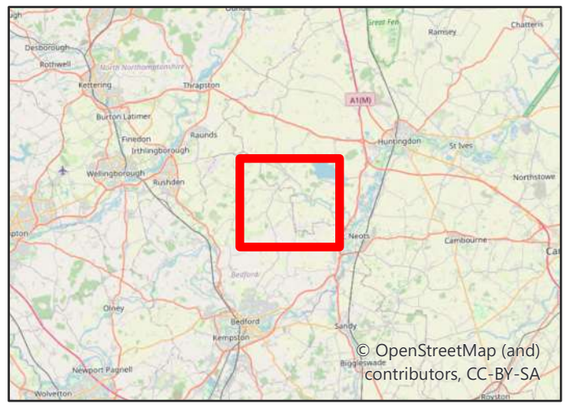
East Park Solar Farm
Bridleway Based Receptors
Figure 3

Key

- Development Boundary
- Panel Boundary
- 1km Study Area
- Glare Not Possible at Receptor
- Glare Possible at Receptor
- Non-Reflection Zone

0 0.5 1 2 Kilometers

Neo Office Address:
Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL



Date: 13/08/2025
Drawn By: Thomas Hughes
Scale (A3): 1:40,000
Drawing No: NEO01475/002I/B

neo ENVIRONMENTAL

Array 12
Array 11
Array 10
Array 9
Array 8
Array 7
Array 6
Array 5
Array 4
Array 3
Array 1
Array 2

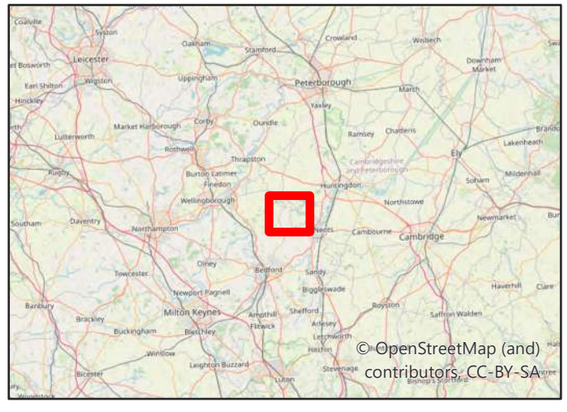
East Park Solar Farm
Mitigation Measures
Figure 5

Key

- Development Boundary
- Panel Boundary
- Mitigation Measures

0 0.5 1 2 Kilometers

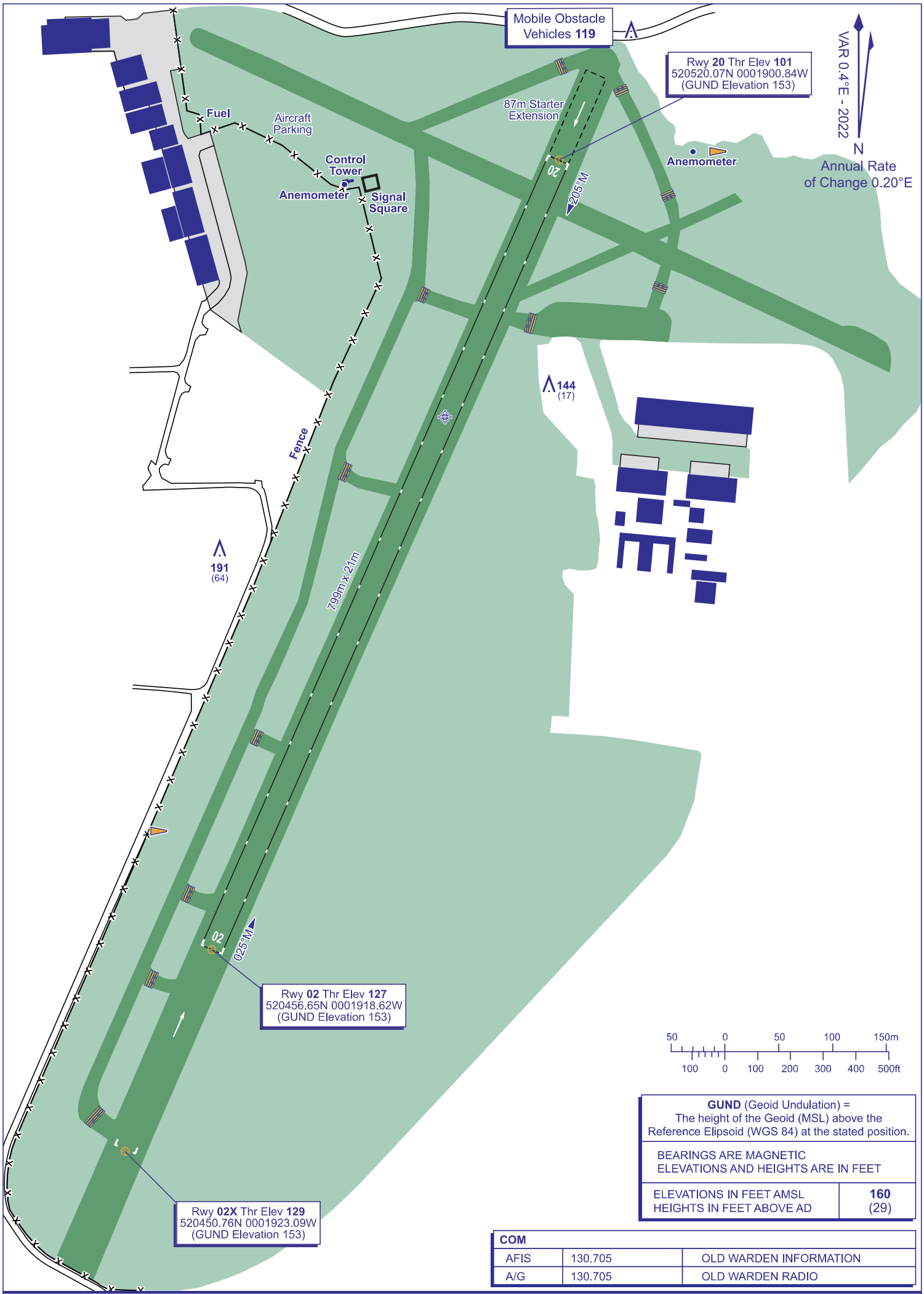
Neo Office Address:
Wright Business Centre, 1 Lonmay Road, Glasgow, G33 4EL


Peterborough
Cambridge
Northampton
Milton Keynes
Bedford
Huntingdon
Wellingborough
Daventry
Oundle
Thrapston
Ely
Newmarket
Saffron Walden
Royston
Biggleswade
Sandy
Towcester
Brackley
Buckingham
Leighton Buzzard
Stevenage
Luton
Hitchin
Letchworth
Ashwell
Arlesey
Shefford
Amptnill
Flitwick
Ampthill
Cambourne
Northstowe
Soham
Ramsey
Whittlesey
Yaxley
Peterborough
Market Harborough
Corby
Uppingham
Oakham
Stamford
Melton Mowbray
Leicester
Hinckley
Lutterworth
Rugby
Daventry
Southam
Towcester
Brackley
Bicester
Winslow
Buckingham
Milton Keynes
Newport Pagnell
Olney
Bedford
Sandy
Biggleswade
Royston
Saffron Walden
Haverhill
Newmarket
Cambridge
Ely
Soham
Ramsey
Whittlesey
Peterborough
Oundle
Thrapston
Wellingborough
Northampton
Daventry
Southam
Rugby
Lutterworth
Hinckley
Leicester
Oakham
Stamford
Melton Mowbray
Uppingham
Corby
Market Harborough

ARP 520512N 0001907W

AD ELEV 127FT

OLD WARDEN
EGTH



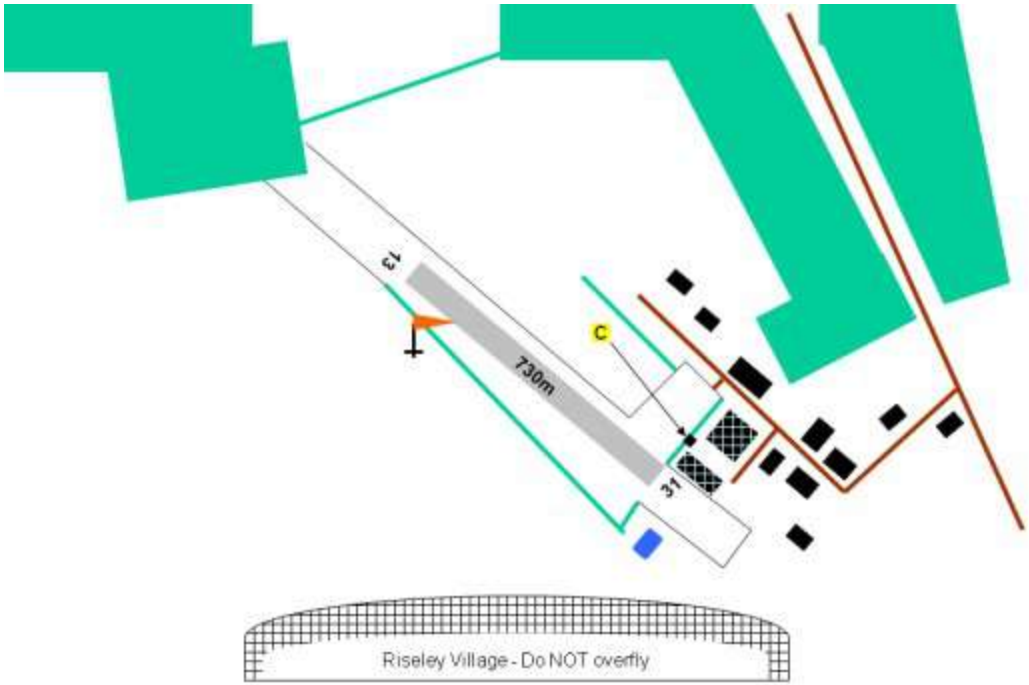
GUND (Geoid Undulation) = The height of the Geoid (MSL) above the Reference Elipsoid (WGS 84) at the stated position.

BEARINGS ARE MAGNETIC
ELEVATIONS AND HEIGHTS ARE IN FEET

ELEVATIONS IN FEET AMSL HEIGHTS IN FEET ABOVE AD	**160** (29)

COM		
AFIS	130.705	OLD WARDEN INFORMATION
A/G	130.705	OLD WARDEN RADIO

CHANGE (13/21): TEMPORARY DISPACED THR 02 REMOVED. ROAD REMOVED. HS1 REMOVED. NEW COMMS A/G. TWY LINK REMOVED.


13
730m
C
31
Riseley Village - Do NOT overfly

Appendix B: Residential Receptor Glare Results (1-65) (15 Deg)

East Park Solar

Residential Receptors 1 - 65 15 Deg

Client: Axis

Created Jun 12, 2024
Updated Aug 29, 2025
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 121500.20781

Project type Advanced
Project status: active
Category 100 MW to 1 GW

Misc. Analysis Settings

DNI: **varies (1,000.0 W/m^2 peak)**
Ocular transmission coefficient: **0.5**
Pupil diameter: **0.002 m**
Eye focal length: **0.017 m**
Sun subtended angle: **9.3 mrad**

PV Analysis Methodology: **Version 2**
Enhanced subtended angle calculation: **On**

Summary of Results Glare with potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV array 1	15.0	180.0	106	0	-
PV array 10	15.0	180.0	39,156	0	-
PV array 11	15.0	180.0	30,454	15,168	-
PV array 12	15.0	180.0	19,221	3,689	-
PV array 2	15.0	180.0	0	0	-
PV array 3	15.0	180.0	3,846	0	-
PV array 4	15.0	180.0	8,016	0	-
PV array 5	15.0	180.0	2,433	0	-
PV array 6	15.0	180.0	11,609	81	-
PV array 7	15.0	180.0	26,212	26,149	-
PV array 8	15.0	180.0	7,409	2,475	-
PV array 9	15.0	180.0	19	0	-

Component Data

PV Array(s)

Total PV footprint area: 5,297,679 m^2

Name: PV array 1
Footprint area: 340,804 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.253373	-0.321025	39.03	3.00	42.03
2	52.256814	-0.318192	27.50	3.00	30.50
3	52.258916	-0.322312	25.83	3.00	28.83
4	52.259310	-0.324758	27.00	3.00	30.00
5	52.259730	-0.325703	27.00	3.00	30.00
6	52.259388	-0.326818	27.00	3.00	30.00
7	52.259362	-0.329136	29.00	3.00	32.00
8	52.258259	-0.329307	29.20	3.00	32.20
9	52.257129	-0.328964	28.04	3.00	31.04
10	52.257077	-0.327891	28.11	3.00	31.11
11	52.255133	-0.328535	31.41	3.00	34.41

Name: PV array 10
Footprint area: 176,221 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.263940	-0.450080	69.41	3.00	72.41
2	52.262653	-0.448835	70.67	3.00	73.67
3	52.264518	-0.444501	74.28	3.00	77.28
4	52.266540	-0.437978	72.47	3.00	75.47
5	52.267381	-0.436991	70.83	3.00	73.83
6	52.268851	-0.438107	71.87	3.00	74.87
7	52.268247	-0.439866	70.08	3.00	73.08
8	52.266908	-0.441411	70.54	3.00	73.54
9	52.267013	-0.441969	69.28	3.00	72.28
10	52.266041	-0.443342	73.06	3.00	76.06
11	52.266672	-0.445274	69.22	3.00	72.22
12	52.265700	-0.446046	70.51	3.00	73.51
13	52.265542	-0.447291	69.96	3.00	72.96

Name: PV array 11
Footprint area: 458,524 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.269954	-0.440896	60.06	3.00	63.06
2	52.271189	-0.442312	50.49	3.00	53.49
3	52.272659	-0.441239	48.01	3.00	51.01
4	52.273106	-0.443428	45.53	3.00	48.53
5	52.275023	-0.441154	44.00	3.00	47.00
6	52.274576	-0.435060	45.25	3.00	48.25
7	52.275233	-0.433944	43.67	3.00	46.67
8	52.275417	-0.435017	44.00	3.00	47.00
9	52.277911	-0.434802	40.95	3.00	43.95
10	52.278016	-0.432699	40.10	3.00	43.10
11	52.277438	-0.432313	40.06	3.00	43.06
12	52.276598	-0.424803	37.00	3.00	40.00
13	52.277176	-0.421928	37.25	3.00	40.25
14	52.274419	-0.421842	40.16	3.00	43.16
15	52.273736	-0.423473	45.03	3.00	48.03
16	52.274261	-0.424331	43.45	3.00	46.45
17	52.274550	-0.426305	43.01	3.00	46.01
18	52.274287	-0.427979	45.61	3.00	48.61
19	52.274445	-0.429609	46.04	3.00	49.04
20	52.274655	-0.430897	46.31	3.00	49.31
21	52.274130	-0.432656	50.40	3.00	53.40
22	52.273211	-0.433815	54.59	3.00	57.59
23	52.273158	-0.436605	49.49	3.00	52.49

Name: PV array 12
Footprint area: 165,528 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.281377	-0.433772	42.28	3.00	45.28
2	52.279565	-0.434888	39.64	3.00	42.64
3	52.279539	-0.433386	40.69	3.00	43.69
4	52.278988	-0.432227	40.41	3.00	43.41
5	52.277990	-0.431455	39.12	3.00	42.12
6	52.277727	-0.429910	38.14	3.00	41.14
7	52.277386	-0.428365	38.45	3.00	41.45
8	52.277570	-0.427206	38.00	3.00	41.00
9	52.277307	-0.426305	37.35	3.00	40.35
10	52.277333	-0.424760	37.38	3.00	40.38
11	52.280432	-0.426605	42.30	3.00	45.30
12	52.280379	-0.430983	44.82	3.00	47.82

Name: PV array 2
Footprint area: 455,267 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.253451	-0.321969	38.80	3.00	41.80
2	52.251350	-0.322398	41.09	3.00	44.09
3	52.250246	-0.316433	38.10	3.00	41.10
4	52.248039	-0.317248	34.28	3.00	37.28
5	52.249169	-0.322398	36.70	3.00	39.70
6	52.249090	-0.329050	38.25	3.00	41.25
7	52.249983	-0.334243	39.10	3.00	42.10
8	52.252033	-0.334414	42.47	3.00	45.47
9	52.252190	-0.329007	43.23	3.00	46.23
10	52.254502	-0.328578	33.21	3.00	36.21
11	52.254791	-0.327634	32.89	3.00	35.89

Name: PV array 3
Footprint area: 408,190 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.256867	-0.341710	26.27	3.00	29.27
2	52.255790	-0.342010	27.99	3.00	30.99
3	52.254476	-0.343856	30.98	3.00	33.98
4	52.255527	-0.354585	50.50	3.00	53.50
5	52.261306	-0.352868	30.04	3.00	33.04
6	52.261411	-0.351066	28.28	3.00	31.28
7	52.261122	-0.349564	28.42	3.00	31.42
8	52.258653	-0.350722	30.78	3.00	33.78
9	52.257891	-0.350465	31.93	3.00	34.93
10	52.259835	-0.349778	29.53	3.00	32.53
11	52.259126	-0.346302	27.13	3.00	30.13
12	52.258154	-0.344542	27.43	3.00	30.43
13	52.258101	-0.343298	27.00	3.00	30.00

Name: PV array 4
Footprint area: 246,626 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.262934	-0.353254	31.27	3.00	34.27
2	52.261201	-0.353683	30.97	3.00	33.97
3	52.261017	-0.353211	30.25	3.00	33.25
4	52.257733	-0.354155	37.24	3.00	40.24
5	52.257891	-0.360292	41.79	3.00	44.79
6	52.258732	-0.360078	38.71	3.00	41.71
7	52.260544	-0.359863	37.07	3.00	40.07
8	52.261385	-0.359992	35.85	3.00	38.85
9	52.263039	-0.359177	33.48	3.00	36.48

Name: PV array 5
Footprint area: 65,372 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.264277	-0.378695	30.70	3.00	33.70
2	52.264408	-0.382000	31.89	3.00	34.89
3	52.261519	-0.381656	31.65	3.00	34.65
4	52.261756	-0.378609	31.30	3.00	34.30

Name: PV array 6
Footprint area: 924,603 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.264435	-0.382171	32.17	3.00	35.17
2	52.261493	-0.381785	31.70	3.00	34.70
3	52.261283	-0.384403	34.00	3.00	37.00
4	52.257500	-0.383802	38.47	3.00	41.47
5	52.257238	-0.385905	39.88	3.00	42.88
6	52.259628	-0.386162	34.80	3.00	37.80
7	52.258387	-0.387879	37.20	3.00	40.20
8	52.258301	-0.393243	40.00	3.00	43.00
9	52.261257	-0.393758	37.00	3.00	40.00
10	52.263542	-0.393758	35.86	3.00	38.86
11	52.264093	-0.398179	33.90	3.00	36.90
12	52.266273	-0.398007	32.00	3.00	35.00
13	52.266982	-0.400968	33.01	3.00	36.01
14	52.268269	-0.396333	32.04	3.00	35.04
15	52.267035	-0.395003	32.46	3.00	35.46
16	52.266168	-0.395260	32.36	3.00	35.36
17	52.264750	-0.393758	33.40	3.00	36.40
18	52.265748	-0.393501	32.08	3.00	35.08
19	52.265617	-0.392943	32.00	3.00	35.00
20	52.267035	-0.393072	31.90	3.00	34.90
21	52.267114	-0.393587	32.11	3.00	35.11
22	52.267068	-0.394788	32.56	0.00	32.56
23	52.268335	-0.396204	32.00	0.00	32.00
24	52.268689	-0.393715	31.00	3.00	34.00
25	52.268689	-0.390583	30.17	3.00	33.17
26	52.268348	-0.390111	30.10	3.00	33.10
27	52.268584	-0.382214	34.00	3.00	37.00
28	52.267298	-0.382042	34.07	3.00	37.07
29	52.267324	-0.385261	33.88	3.00	36.88
30	52.264566	-0.385047	31.18	3.00	34.18

Name: PV array 7
Footprint area: 1,785,790 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.259385	-0.396097	38.97	3.00	41.97
2	52.261598	-0.396183	38.00	3.00	41.00
3	52.262675	-0.401741	37.05	3.00	40.05
4	52.262885	-0.402298	37.54	3.00	40.54
5	52.262833	-0.405260	38.53	3.00	41.53
6	52.263305	-0.407920	39.00	3.00	42.00
7	52.267928	-0.405345	33.00	3.00	36.00
8	52.268322	-0.407062	33.26	3.00	36.26
9	52.264303	-0.413886	36.17	3.00	39.17
10	52.261362	-0.419550	40.01	3.00	43.01
11	52.259996	-0.417963	39.86	3.00	42.86
12	52.258682	-0.420366	39.95	3.00	42.95
13	52.257421	-0.418821	47.13	3.00	50.13
14	52.258446	-0.416976	43.19	3.00	46.19
15	52.257632	-0.416289	49.06	3.00	52.06
16	52.258866	-0.412255	42.71	3.00	45.71
17	52.257789	-0.412298	45.95	3.00	48.95
18	52.257185	-0.412341	46.49	3.00	49.49
19	52.255294	-0.415516	52.29	3.00	55.29
20	52.253770	-0.419293	60.23	3.00	63.23
21	52.252798	-0.419808	63.53	3.00	66.53
22	52.252588	-0.418435	60.42	3.00	63.42
23	52.252272	-0.416031	53.78	3.00	56.78
24	52.251721	-0.414444	49.65	3.00	52.65
25	52.252614	-0.414014	49.51	3.00	52.51
26	52.253586	-0.412555	46.83	3.00	49.83
27	52.255005	-0.410710	45.02	3.00	48.02
28	52.256344	-0.408521	43.00	3.00	46.00
29	52.255294	-0.408907	42.65	3.00	45.65
30	52.254427	-0.407877	42.97	3.00	45.97
31	52.253428	-0.405345	54.32	3.00	57.32
32	52.254216	-0.403929	52.65	3.00	55.65
33	52.253061	-0.404444	58.85	3.00	61.85
34	52.252509	-0.404058	60.60	3.00	63.60
35	52.252772	-0.402899	60.16	3.00	63.16
36	52.251589	-0.403543	62.33	3.00	65.33
37	52.250722	-0.401912	67.42	3.00	70.42
38	52.249724	-0.401483	70.66	3.00	73.66
39	52.249803	-0.399337	69.43	3.00	72.43
40	52.249619	-0.398522	69.95	3.00	72.95
41	52.249908	-0.396848	68.63	3.00	71.63
42	52.250065	-0.395518	68.31	3.00	71.31

43	52.250381	-0.395303	67.74	3.00	70.74
44	52.250460	-0.394531	67.50	3.00	70.50
45	52.251878	-0.394102	62.70	3.00	65.70
46	52.253586	-0.394574	54.58	3.00	57.58
47	52.255399	-0.393286	43.67	3.00	46.67
48	52.255635	-0.393458	42.64	3.00	45.64
49	52.255661	-0.395732	46.22	3.00	49.22
50	52.257159	-0.394273	41.00	3.00	44.00
51	52.257316	-0.397192	42.21	3.00	45.21
52	52.256738	-0.397749	43.77	3.00	46.77
53	52.256738	-0.398951	44.21	3.00	47.21
54	52.254900	-0.399251	51.47	3.00	54.47
55	52.254663	-0.402170	52.65	3.00	55.65
56	52.255189	-0.402599	49.22	3.00	52.22
57	52.255530	-0.403157	46.28	3.00	49.28
58	52.256344	-0.403114	43.31	3.00	46.31
59	52.256844	-0.402384	41.92	3.00	44.92
60	52.257448	-0.401311	41.31	3.00	44.31
61	52.258551	-0.400668	41.97	3.00	44.97
62	52.258682	-0.400281	41.82	3.00	44.82
63	52.259457	-0.400217	41.00	3.00	44.00
64	52.259365	-0.397492	40.66	3.00	43.66

Name: PV array 8
Footprint area: 138,869 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.262727	-0.418148	38.98	3.00	41.98
2	52.267560	-0.409393	34.03	3.00	37.03
3	52.268820	-0.414672	38.91	3.00	41.91

Name: PV array 9
Footprint area: 131,885 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.263567	-0.418577	39.74	3.00	42.74
2	52.265590	-0.424714	47.00	3.00	50.00
3	52.266693	-0.424499	45.23	3.00	48.23
4	52.266141	-0.422954	44.93	3.00	47.93
5	52.267034	-0.422525	43.57	3.00	46.57
6	52.266141	-0.418405	41.92	3.00	44.92
7	52.267061	-0.417805	40.58	3.00	43.58
8	52.267402	-0.419607	41.00	3.00	44.00
9	52.267901	-0.419435	40.35	3.00	43.35
10	52.267691	-0.418577	40.40	3.00	43.40
11	52.267927	-0.417848	40.00	3.00	43.00
12	52.267192	-0.416217	40.45	3.00	43.45

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	52.281416	-0.450665	52.44	2.00	54.44
OP 2	52.280766	-0.450128	51.55	2.00	53.55
OP 3	52.279939	-0.448224	47.18	2.00	49.18
OP 4	52.279683	-0.447425	46.41	2.00	48.41
OP 5	52.279243	-0.448374	47.82	2.00	49.82
OP 6	52.279640	-0.449908	50.66	2.00	52.66
OP 7	52.280224	-0.451368	53.36	2.00	55.36
OP 8	52.280064	-0.452349	54.50	2.00	56.50
OP 9	52.280316	-0.445853	45.23	2.00	47.23
OP 10	52.283691	-0.424552	43.00	2.00	45.00
OP 11	52.281319	-0.411720	43.89	2.00	45.89
OP 12	52.281181	-0.410465	45.20	2.00	47.20
OP 13	52.280839	-0.408770	44.98	2.00	46.98
OP 14	52.278923	-0.414993	39.81	2.00	41.81
OP 15	52.279330	-0.412514	40.53	2.00	42.53
OP 16	52.279074	-0.411516	41.45	2.00	43.45
OP 17	52.279100	-0.410594	41.87	2.00	43.87
OP 18	52.278536	-0.409199	39.28	2.00	41.28
OP 19	52.276645	-0.415282	37.62	2.00	39.62
OP 20	52.276875	-0.414885	37.29	2.00	39.29
OP 21	52.274636	-0.416108	37.07	2.00	39.07
OP 22	52.275884	-0.412804	40.20	2.00	42.20
OP 23	52.276225	-0.411559	38.71	2.00	40.71
OP 24	52.276140	-0.409950	38.36	2.00	40.36
OP 25	52.275884	-0.409456	37.55	2.00	39.55
OP 26	52.275168	-0.413963	41.29	2.00	43.29
OP 27	52.274315	-0.413158	39.96	2.00	41.96
OP 28	52.274846	-0.411988	41.31	2.00	43.31
OP 29	52.272923	-0.420754	41.58	2.00	43.58
OP 30	52.272585	-0.414510	40.21	2.00	42.21
OP 31	52.272355	-0.414596	40.68	2.00	42.68
OP 32	52.272233	-0.417010	42.78	2.00	44.78
OP 33	52.271705	-0.417809	43.64	2.00	45.64
OP 34	52.271314	-0.419386	44.00	2.00	46.00
OP 35	52.270494	-0.416806	41.44	2.00	43.44
OP 36	52.270697	-0.415078	41.59	2.00	43.59
OP 37	52.269932	-0.414360	39.06	2.00	41.06
OP 38	52.269804	-0.412380	36.81	2.00	38.81
OP 39	52.269732	-0.412010	36.04	2.00	38.04
OP 40	52.269794	-0.410481	35.32	2.00	37.32

OP 41	52.268058	-0.457736	51.95	2.00	53.95
OP 42	52.267940	-0.458289	52.24	2.00	54.24
OP 43	52.266975	-0.459329	50.57	2.00	52.57
OP 44	52.258746	-0.460356	59.96	2.00	61.96
OP 45	52.258411	-0.460463	61.34	2.00	63.34
OP 46	52.258628	-0.459766	61.83	2.00	63.83
OP 47	52.263008	-0.419239	40.00	2.00	42.00
OP 48	52.262656	-0.419701	40.00	2.00	42.00
OP 49	52.262197	-0.420210	40.64	2.00	42.64
OP 50	52.261218	-0.422345	40.07	2.00	42.07
OP 51	52.261261	-0.421675	40.02	2.00	42.02
OP 52	52.260765	-0.421718	40.74	2.00	42.74
OP 53	52.258894	-0.423043	42.05	2.00	44.05
OP 54	52.257974	-0.422769	42.76	2.00	44.76
OP 55	52.257544	-0.423273	44.12	2.00	46.12
OP 56	52.256789	-0.423880	46.07	2.00	48.07
OP 57	52.256490	-0.425065	46.89	2.00	48.89
OP 58	52.256530	-0.426910	45.16	2.00	47.16
OP 59	52.255732	-1.000000	126.13	2.00	128.13
OP 60	52.255991	-0.429893	45.70	2.00	47.70
OP 61	52.255032	-0.431175	47.10	2.00	49.10
OP 62	52.254727	-0.432865	46.79	2.00	48.79
OP 63	52.253870	-0.434136	47.00	2.00	49.00
OP 64	52.255808	-0.425086	48.84	2.00	50.84
OP 65	52.255125	-0.424802	52.19	2.00	54.19

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
PV array 1	15.0	180.0	106	0	-	-
PV array 10	15.0	180.0	39,156	0	-	-
PV array 11	15.0	180.0	30,454	15,168	-	-
PV array 12	15.0	180.0	19,221	3,689	-	-
PV array 2	15.0	180.0	0	0	-	-
PV array 3	15.0	180.0	3,846	0	-	-
PV array 4	15.0	180.0	8,016	0	-	-
PV array 5	15.0	180.0	2,433	0	-	-
PV array 6	15.0	180.0	11,609	81	-	-
PV array 7	15.0	180.0	26,212	26,149	-	-
PV array 8	15.0	180.0	7,409	2,475	-	-
PV array 9	15.0	180.0	19	0	-	-

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pv-array-1 (green)	0	0	42	7	0	0	0	0	57	0	0	0
pv-array-1 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-10 (green)	0	0	154	532	793	1118	852	634	330	0	0	0
pv-array-10 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-11 (green)	0	0	4	653	835	605	608	963	90	0	0	0
pv-array-11 (yellow)	0	0	0	3	301	493	491	3	0	0	0	0
pv-array-12 (green)	0	0	261	1044	428	803	527	944	541	0	0	0
pv-array-12 (yellow)	0	0	0	0	257	114	245	62	0	0	0	0
pv-array-3 (green)	0	0	31	189	0	0	0	95	126	0	0	0
pv-array-3 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-4 (green)	0	0	44	327	0	0	0	223	150	0	0	0
pv-array-4 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-5 (green)	0	0	95	348	341	0	182	362	234	0	0	0
pv-array-5 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-6 (green)	0	0	184	777	768	769	761	852	403	0	0	0
pv-array-6 (yellow)	0	0	0	0	18	9	15	8	0	0	0	0
pv-array-7 (green)	0	0	432	520	338	255	289	493	562	51	0	0
pv-array-7 (yellow)	0	0	6	260	486	522	520	383	61	0	0	0
pv-array-8 (green)	0	0	28	319	220	133	190	314	117	0	0	0
pv-array-8 (yellow)	0	0	0	0	39	33	52	9	0	0	0	0
pv-array-9 (green)	0	0	5	4	0	0	0	0	10	0	0	0
pv-array-9 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

PV array 1 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0

OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0

OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	106	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 1: OP 1

No glare found

PV array 1: OP 2

No glare found

PV array 1: OP 3

No glare found

PV array 1: OP 4

No glare found

PV array 1: OP 5

No glare found

PV array 1: OP 6

No glare found

PV array 1: OP 7

No glare found

PV array 1: OP 8

No glare found

PV array 1: OP 9

No glare found

PV array 1: OP 10

No glare found

PV array 1: OP 11

No glare found

PV array 1: OP 12

No glare found

PV array 1: OP 13

No glare found

PV array 1: OP 14

No glare found

PV array 1: OP 15

No glare found

PV array 1: OP 16

No glare found

PV array 1: OP 17

No glare found

PV array 1: OP 18

No glare found

PV array 1: OP 19

No glare found

PV array 1: OP 20

No glare found

PV array 1: OP 21

No glare found

PV array 1: OP 22

No glare found

PV array 1: OP 23

No glare found

PV array 1: OP 24

No glare found

PV array 1: OP 25

No glare found

PV array 1: OP 26

No glare found

PV array 1: OP 27

No glare found

PV array 1: OP 28

No glare found

PV array 1: OP 29

No glare found

PV array 1: OP 30

No glare found

PV array 1: OP 31

No glare found

PV array 1: OP 32

No glare found

PV array 1: OP 33

No glare found

PV array 1: OP 34

No glare found

PV array 1: OP 35

No glare found

PV array 1: OP 36

No glare found

PV array 1: OP 37

No glare found

PV array 1: OP 38

No glare found

PV array 1: OP 39

No glare found

PV array 1: OP 40

No glare found

PV array 1: OP 41

No glare found

PV array 1: OP 42

No glare found

PV array 1: OP 43

No glare found

PV array 1: OP 44

No glare found

PV array 1: OP 45

No glare found

PV array 1: OP 46

No glare found

PV array 1: OP 47

No glare found

PV array 1: OP 48

No glare found

PV array 1: OP 49

No glare found

PV array 1: OP 50

No glare found

PV array 1: OP 51

No glare found

PV array 1: OP 52

No glare found

PV array 1: OP 53

No glare found

PV array 1: OP 54

No glare found

PV array 1: OP 55

No glare found

PV array 1: OP 56

No glare found

PV array 1: OP 57

No glare found

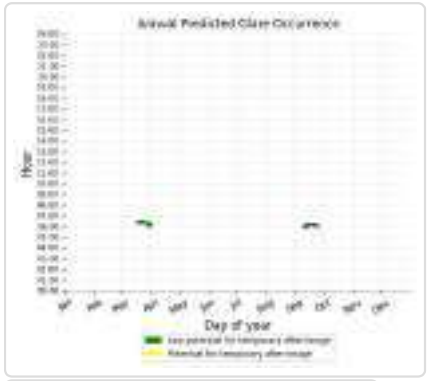
PV array 1: OP 58

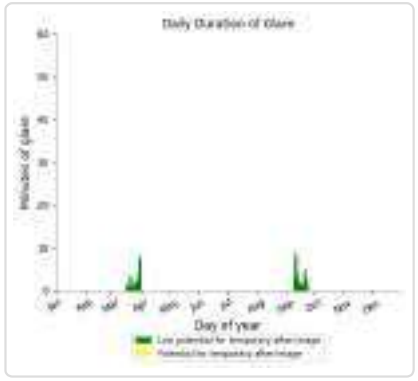
No glare found

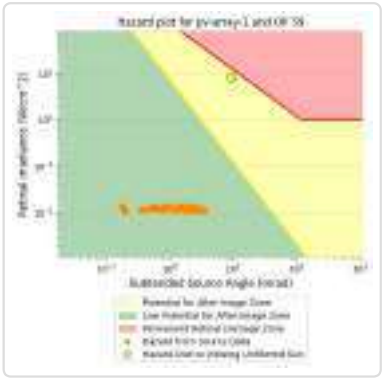
PV array 1: OP 59

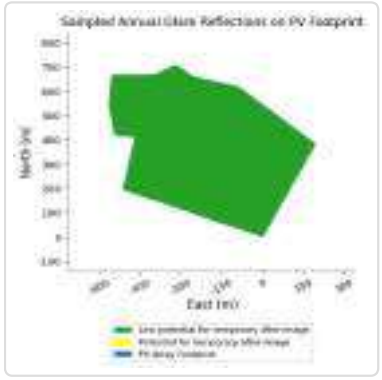
PV array is expected to produce the following glare for this receptor:

- 106 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 1: OP 60

No glare found

PV array 1: OP 61

No glare found

PV array 1: OP 62

No glare found

PV array 1: OP 63

No glare found

PV array 1: OP 64

No glare found

PV array 1: OP 65

No glare found

PV array 10 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0

OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	15	0
OP: OP 43	148	0
OP: OP 44	315	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	3424	0
OP: OP 48	3469	0
OP: OP 49	3500	0
OP: OP 50	3540	0
OP: OP 51	3528	0
OP: OP 52	3467	0
OP: OP 53	3138	0
OP: OP 54	2871	0
OP: OP 55	2691	0

OP: OP 56	2284	0
OP: OP 57	1986	0
OP: OP 58	1767	0
OP: OP 59	403	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	1518	0
OP: OP 65	1092	0

PV array 10: OP 1

No glare found

PV array 10: OP 2

No glare found

PV array 10: OP 3

No glare found

PV array 10: OP 4

No glare found

PV array 10: OP 5

No glare found

PV array 10: OP 6

No glare found

PV array 10: OP 7

No glare found

PV array 10: OP 8

No glare found

PV array 10: OP 9

No glare found

PV array 10: OP 10

No glare found

PV array 10: OP 11

No glare found

PV array 10: OP 12

No glare found

PV array 10: OP 13

No glare found

PV array 10: OP 14

No glare found

PV array 10: OP 15

No glare found

PV array 10: OP 16

No glare found

PV array 10: OP 17

No glare found

PV array 10: OP 18

No glare found

PV array 10: OP 19

No glare found

PV array 10: OP 20

No glare found

PV array 10: OP 21

No glare found

PV array 10: OP 22

No glare found

PV array 10: OP 23

No glare found

PV array 10: OP 24

No glare found

PV array 10: OP 25

No glare found

PV array 10: OP 26

No glare found

PV array 10: OP 27

No glare found

PV array 10: OP 28

No glare found

PV array 10: OP 29

No glare found

PV array 10: OP 30

No glare found

PV array 10: OP 31

No glare found

PV array 10: OP 32

No glare found

PV array 10: OP 33

No glare found

PV array 10: OP 34

No glare found

PV array 10: OP 35

No glare found

PV array 10: OP 36

No glare found

PV array 10: OP 37

No glare found

PV array 10: OP 38

No glare found

PV array 10: OP 39

No glare found

PV array 10: OP 40

No glare found

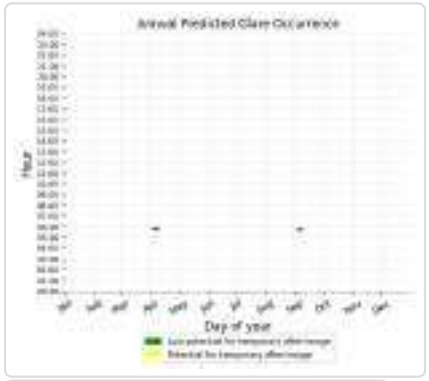
PV array 10: OP 41

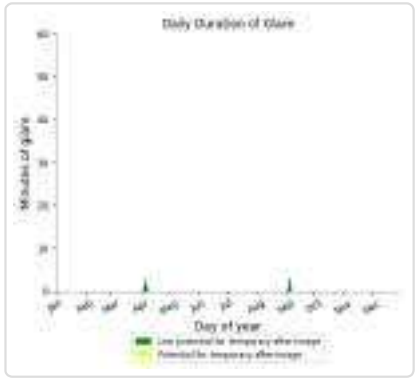
No glare found

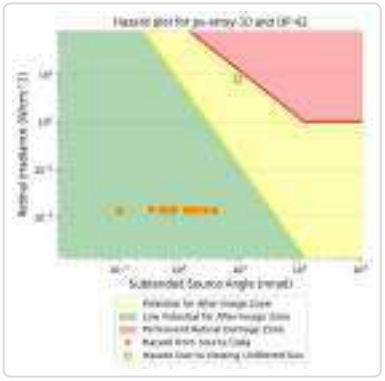
PV array 10: OP 42

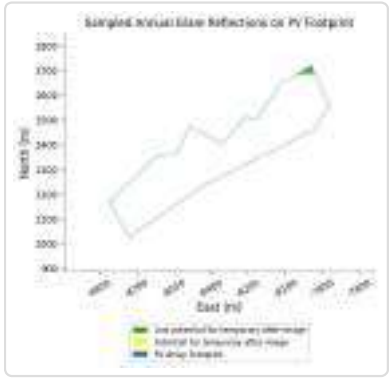
PV array is expected to produce the following glare for this receptor:

- 15 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





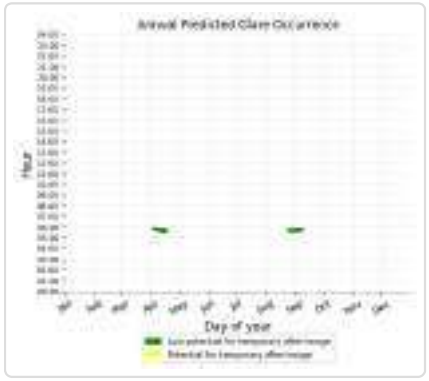


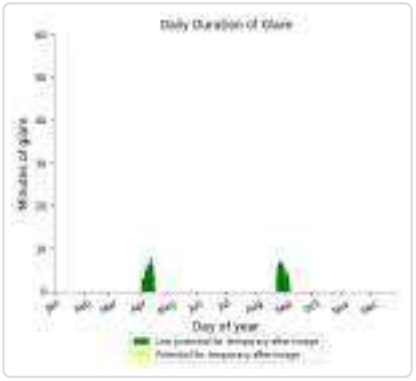


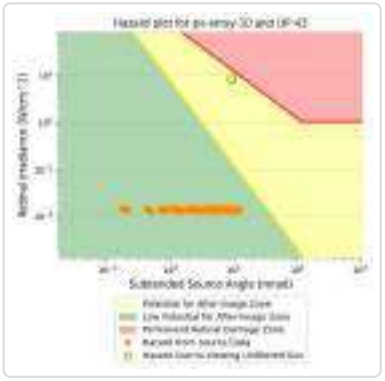
PV array 10: OP 43

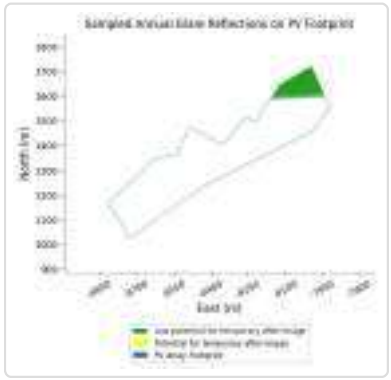
PV array is expected to produce the following glare for this receptor:

- 148 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





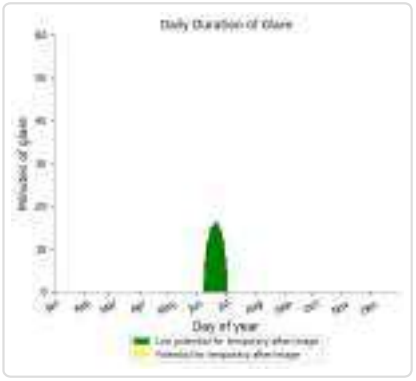


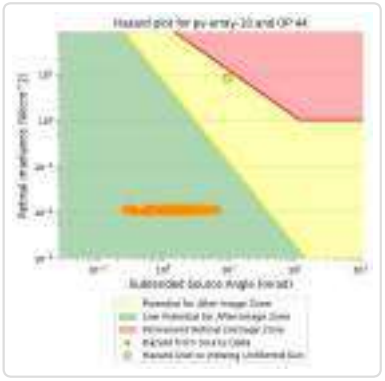


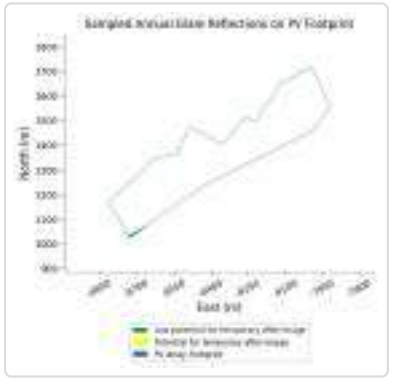
PV array 10: OP 44

PV array is expected to produce the following glare for this receptor:

- 315 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







PV array 10: OP 45

No glare found

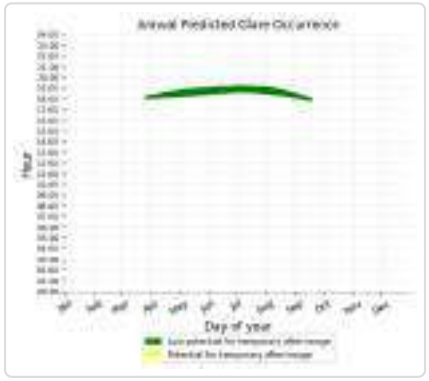
PV array 10: OP 46

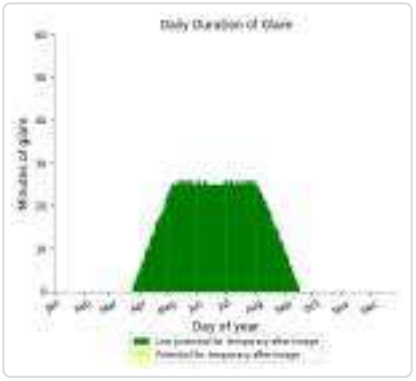
No glare found

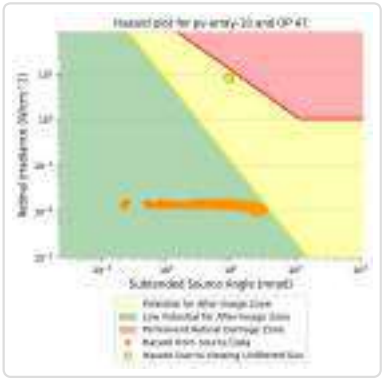
PV array 10: OP 47

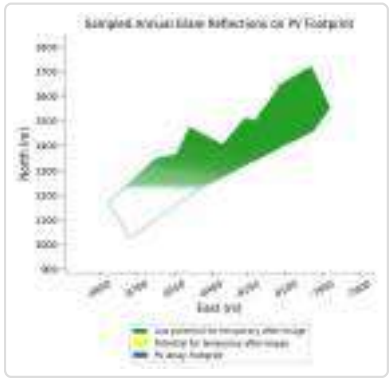
PV array is expected to produce the following glare for this receptor:

- 3,424 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





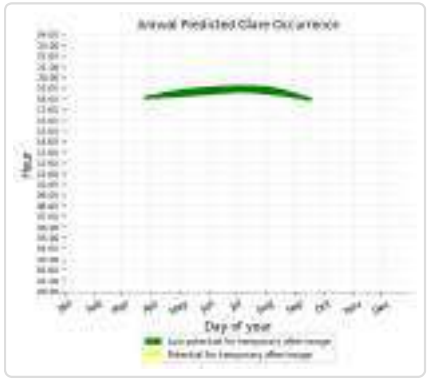


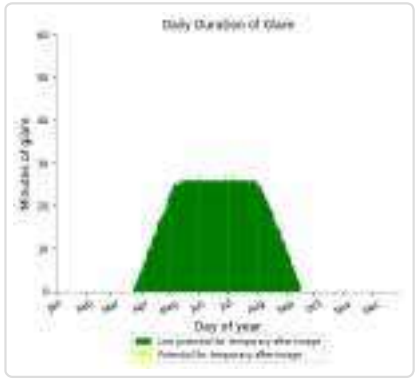


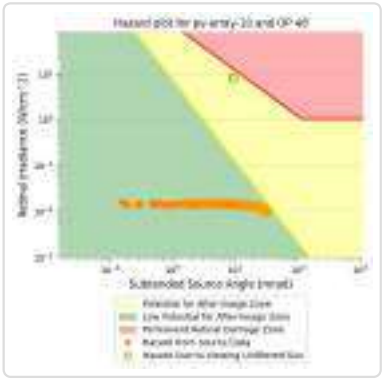
PV array 10: OP 48

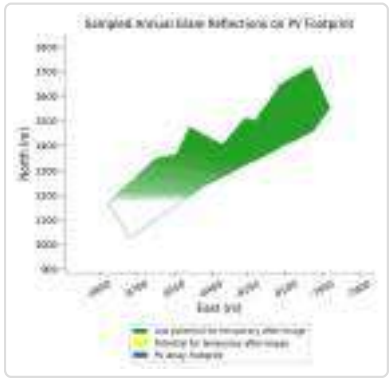
PV array is expected to produce the following glare for this receptor:

- 3,469 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





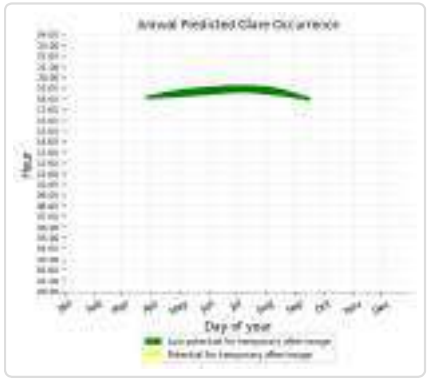


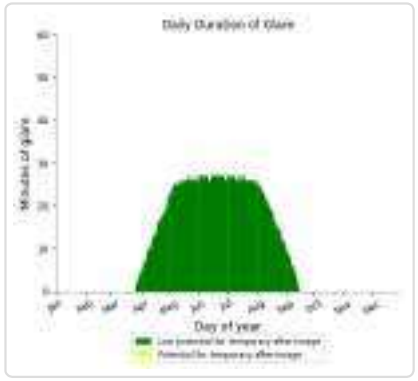


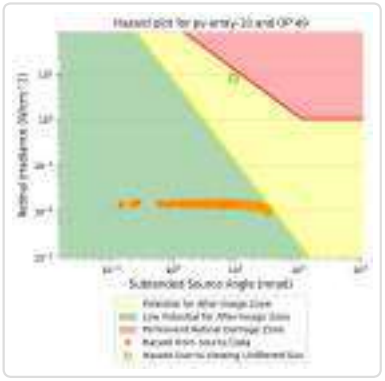
PV array 10: OP 49

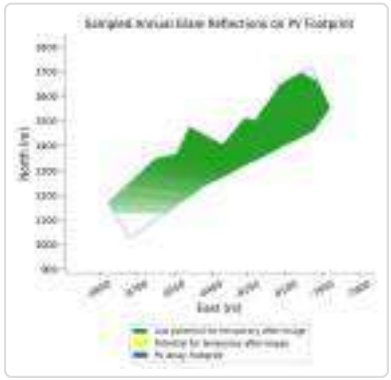
PV array is expected to produce the following glare for this receptor:

- 3,500 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





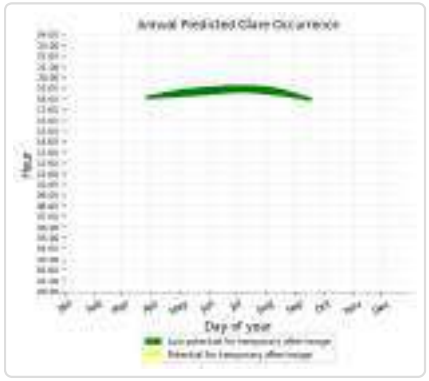


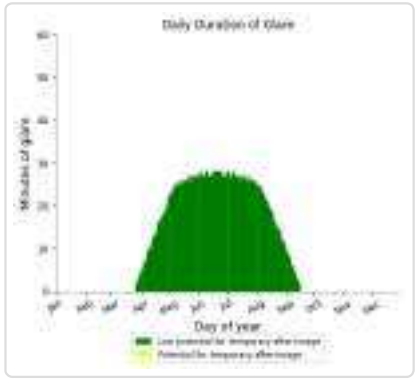


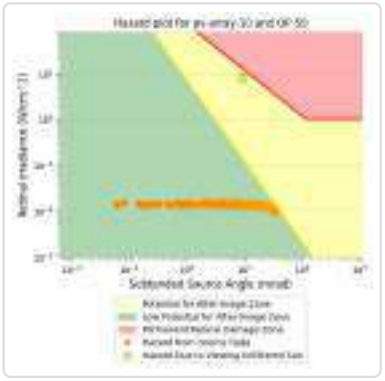
PV array 10: OP 50

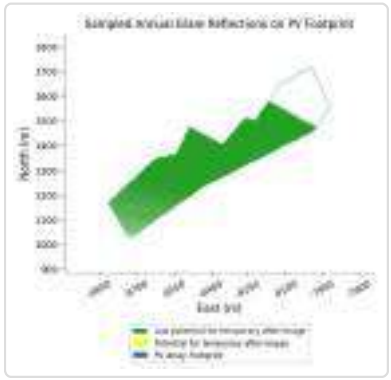
PV array is expected to produce the following glare for this receptor:

- 3,540 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





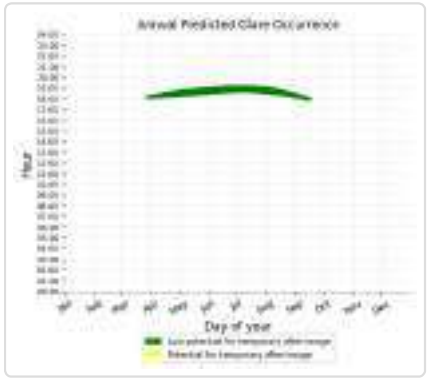


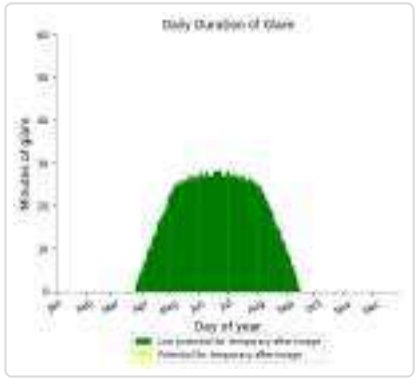


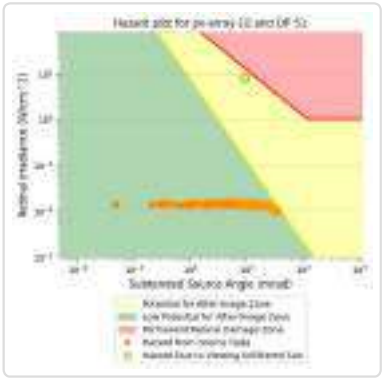
PV array 10: OP 51

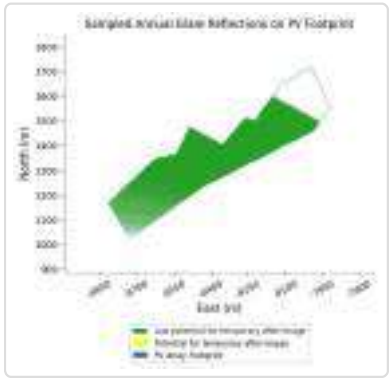
PV array is expected to produce the following glare for this receptor:

- 3,528 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





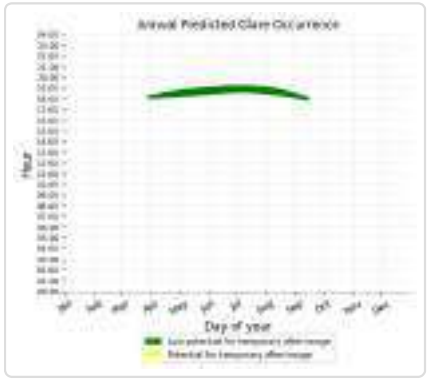


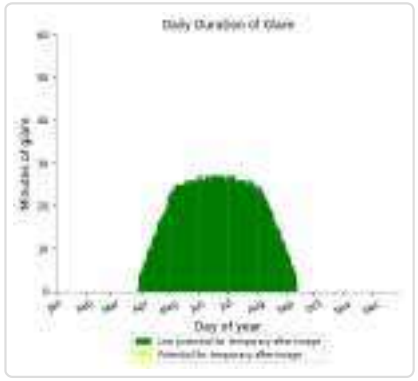


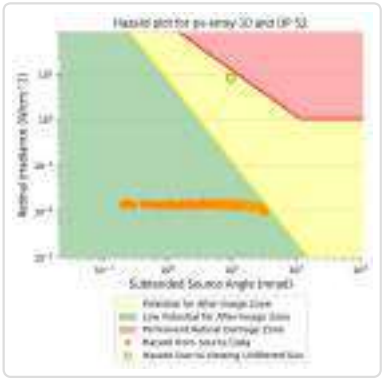
PV array 10: OP 52

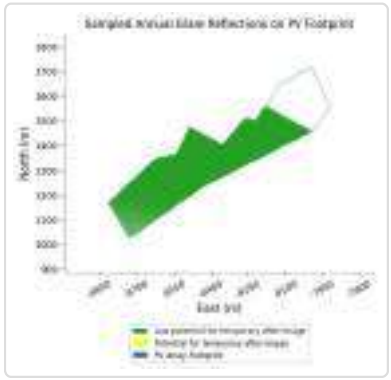
PV array is expected to produce the following glare for this receptor:

- 3,467 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





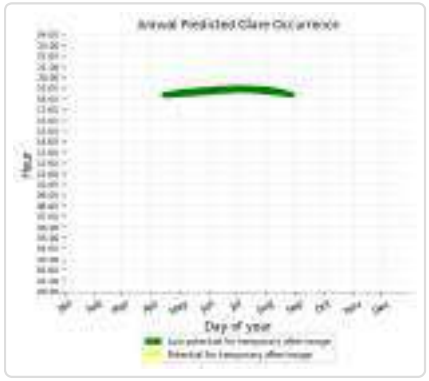


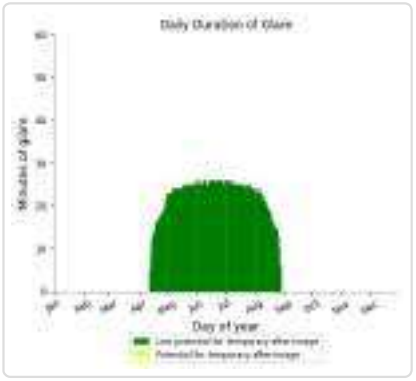


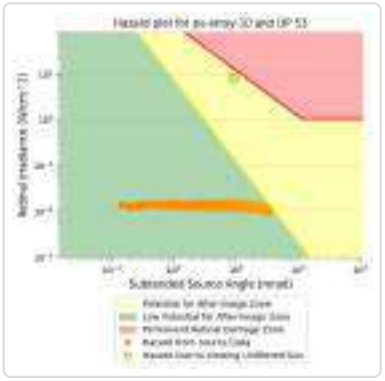
PV array 10: OP 53

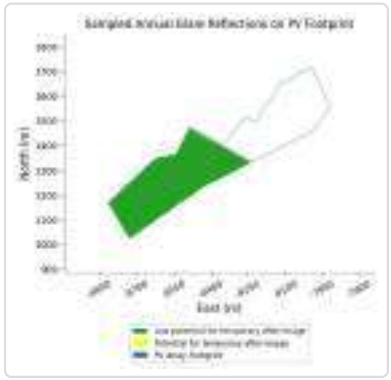
PV array is expected to produce the following glare for this receptor:

- 3,138 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





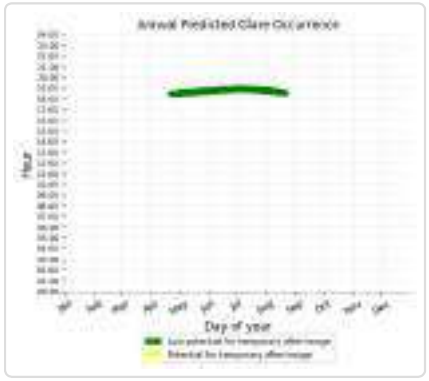


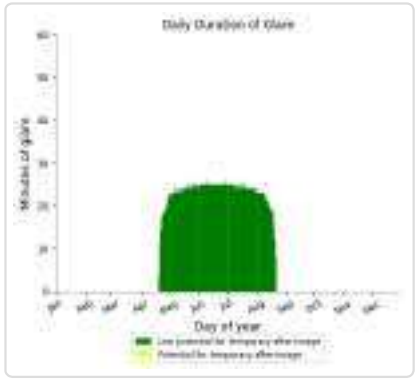


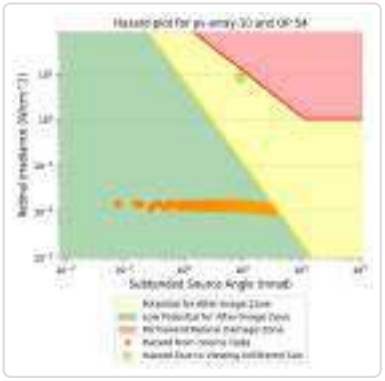
PV array 10: OP 54

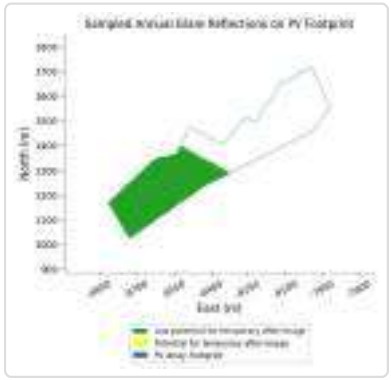
PV array is expected to produce the following glare for this receptor:

- 2,871 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





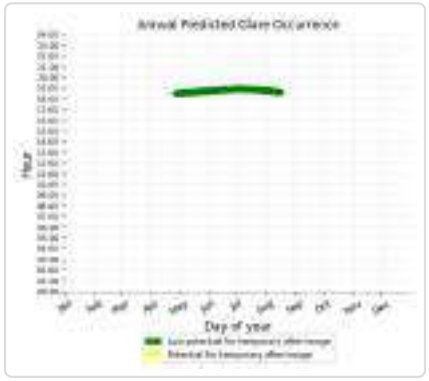


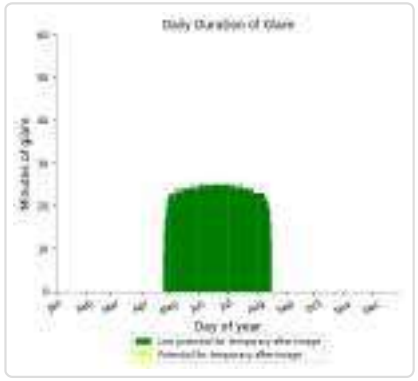


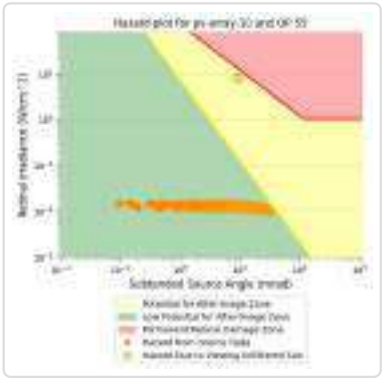
PV array 10: OP 55

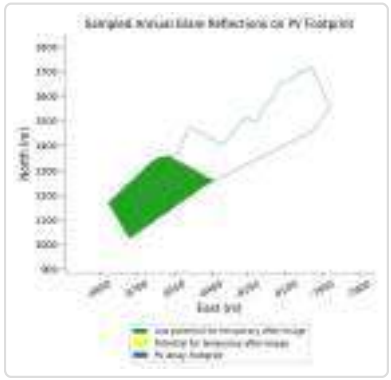
PV array is expected to produce the following glare for this receptor:

- 2,691 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





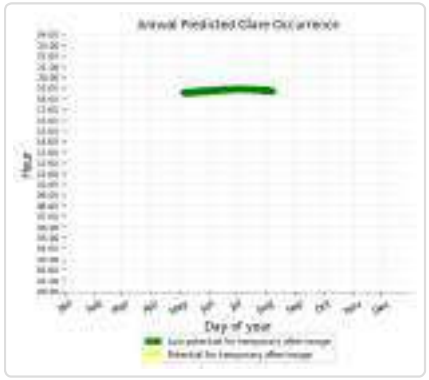


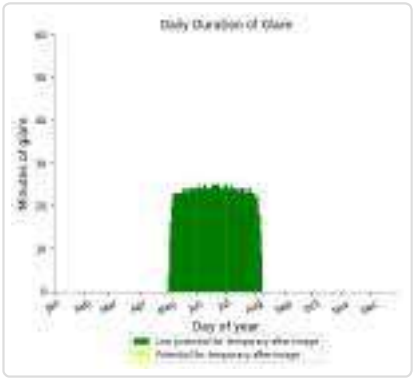


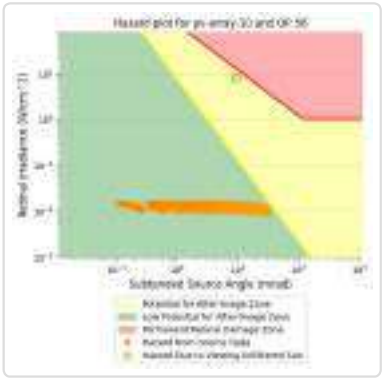
PV array 10: OP 56

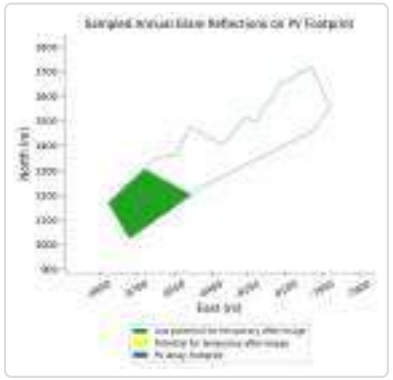
PV array is expected to produce the following glare for this receptor:

- 2,284 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





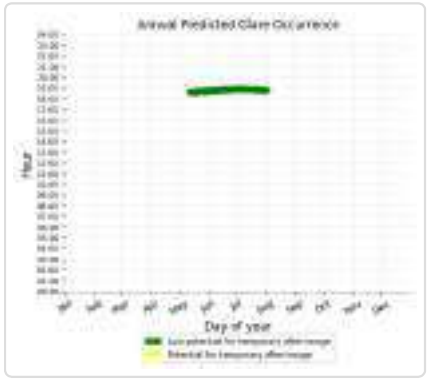


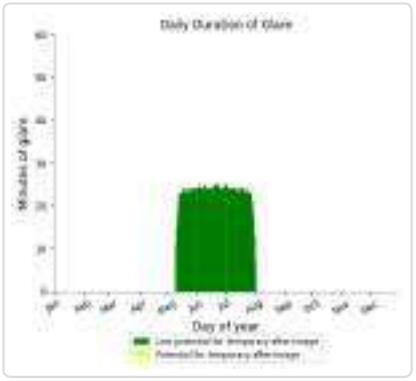


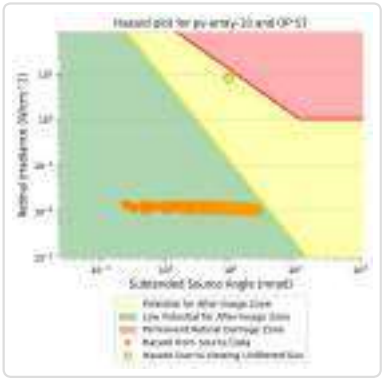
PV array 10: OP 57

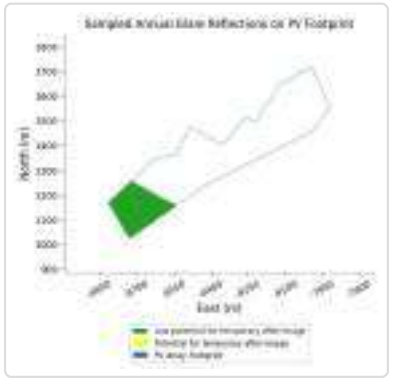
PV array is expected to produce the following glare for this receptor:

- 1,986 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





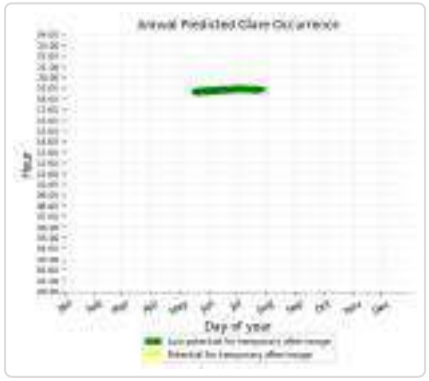


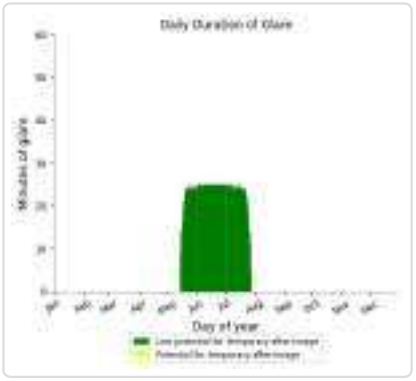


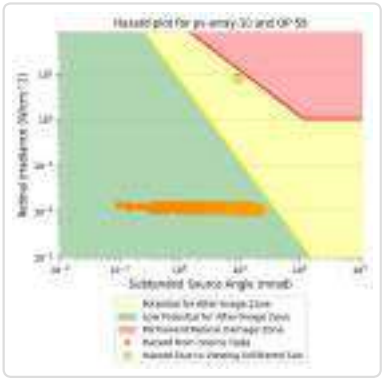
PV array 10: OP 58

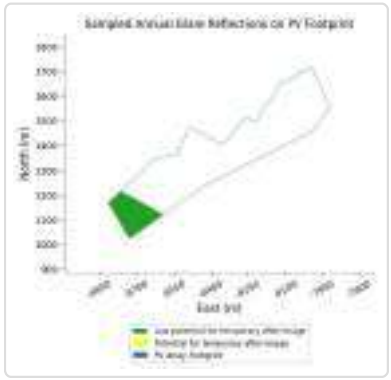
PV array is expected to produce the following glare for this receptor:

- 1,767 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





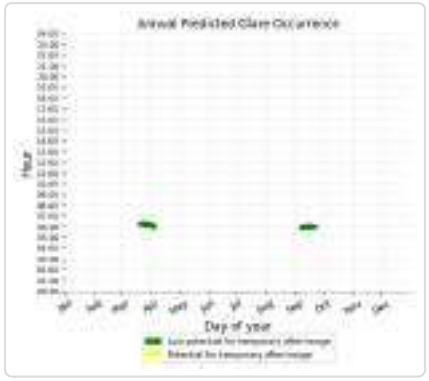


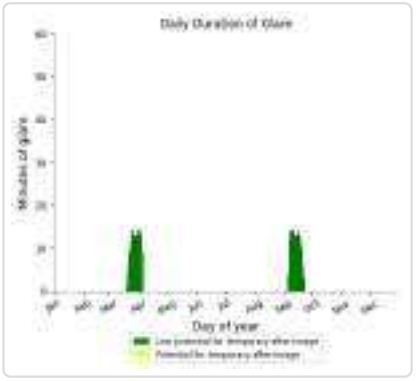


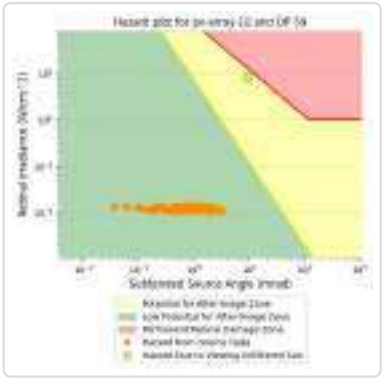
PV array 10: OP 59

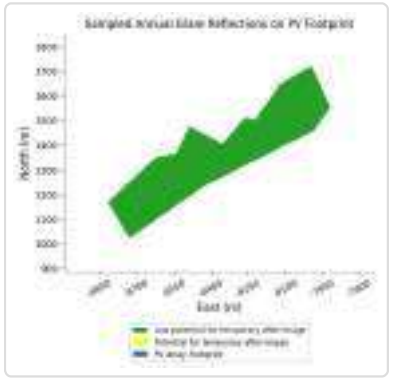
PV array is expected to produce the following glare for this receptor:

- 403 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 10: OP 60

No glare found

PV array 10: OP 61

No glare found

PV array 10: OP 62

No glare found

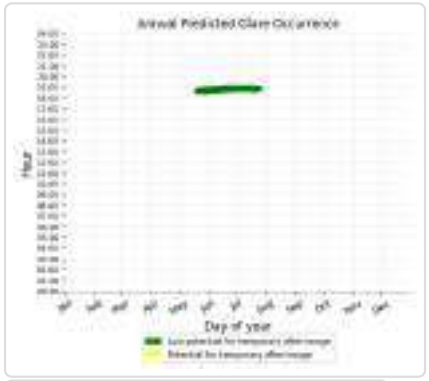
PV array 10: OP 63

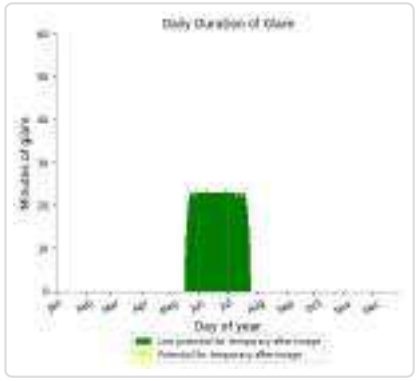
No glare found

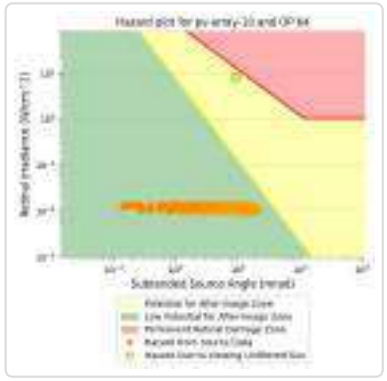
PV array 10: OP 64

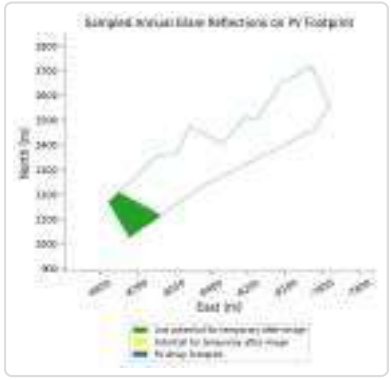
PV array is expected to produce the following glare for this receptor:

- 1,518 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





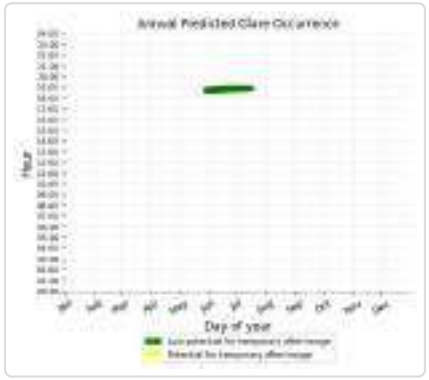


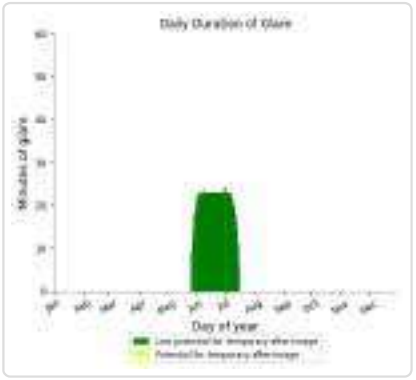


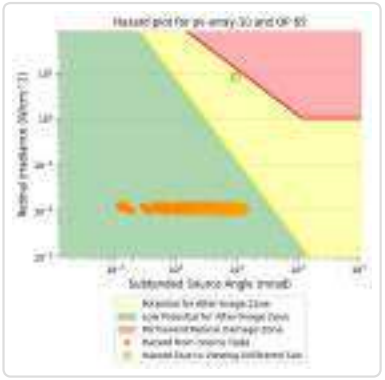
PV array 10: OP 65

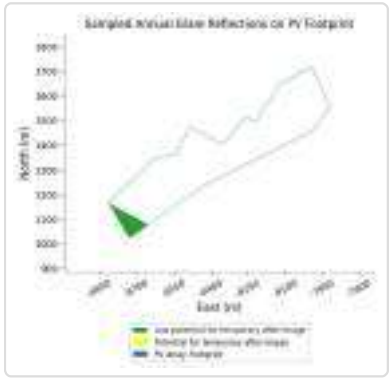
PV array is expected to produce the following glare for this receptor:

- 1,092 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 11 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0

OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	2171	463
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	2100	122
OP: OP 28	0	0
OP: OP 29	1322	1695
OP: OP 30	1131	1570
OP: OP 31	947	1762
OP: OP 32	1177	1525
OP: OP 33	1440	1096
OP: OP 34	2149	382
OP: OP 35	2433	164
OP: OP 36	1777	802
OP: OP 37	2409	211
OP: OP 38	2177	494
OP: OP 39	2141	511
OP: OP 40	1954	772
OP: OP 41	1325	1291
OP: OP 42	1407	1183
OP: OP 43	1310	1125

OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	902	0
OP: OP 48	182	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 11: OP 1

No glare found

PV array 11: OP 2

No glare found

PV array 11: OP 3

No glare found

PV array 11: OP 4

No glare found

PV array 11: OP 5

No glare found

PV array 11: OP 6

No glare found

PV array 11: OP 7

No glare found

PV array 11: OP 8

No glare found

PV array 11: OP 9

No glare found

PV array 11: OP 10

No glare found

PV array 11: OP 11

No glare found

PV array 11: OP 12

No glare found

PV array 11: OP 13

No glare found

PV array 11: OP 14

No glare found

PV array 11: OP 15

No glare found

PV array 11: OP 16

No glare found

PV array 11: OP 17

No glare found

PV array 11: OP 18

No glare found

PV array 11: OP 19

No glare found

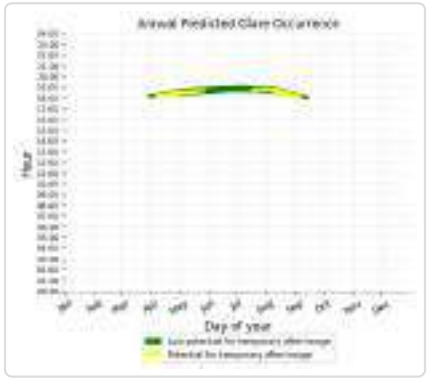
PV array 11: OP 20

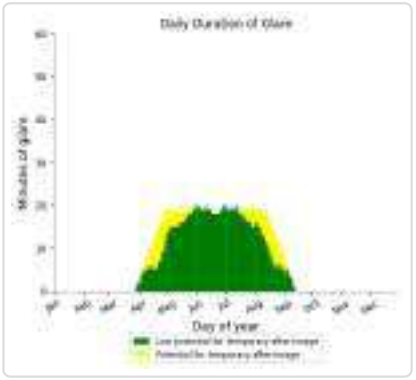
No glare found

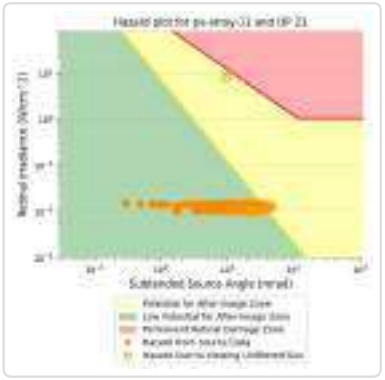
PV array 11: OP 21

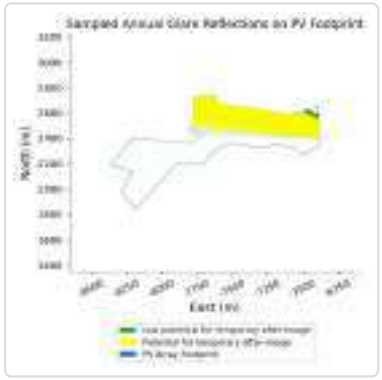
PV array is expected to produce the following glare for this receptor:

- 2,171 minutes of "green" glare with low potential to cause temporary after-image.
- 463 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 11: OP 22

No glare found

PV array 11: OP 23

No glare found

PV array 11: OP 24

No glare found

PV array 11: OP 25

No glare found

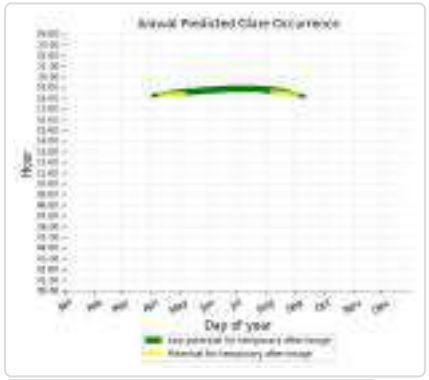
PV array 11: OP 26

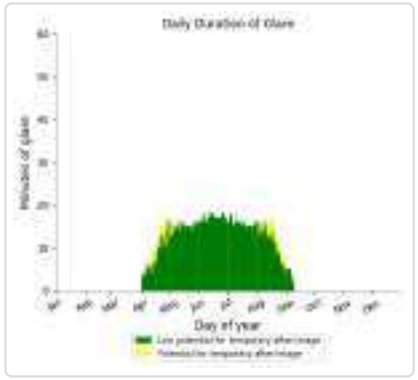
No glare found

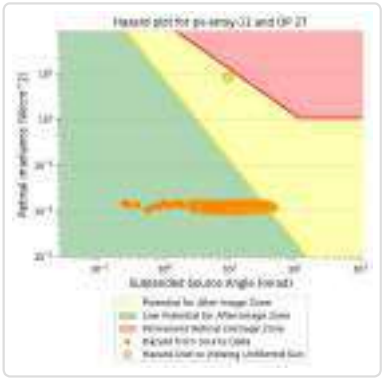
PV array 11: OP 27

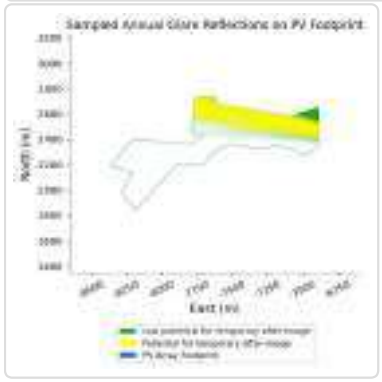
PV array is expected to produce the following glare for this receptor:

- 2,100 minutes of "green" glare with low potential to cause temporary after-image.
- 122 minutes of "yellow" glare with potential to cause temporary after-image.









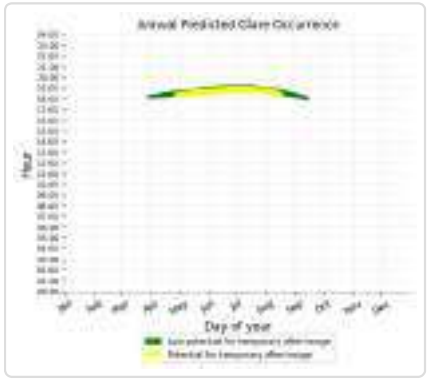
PV array 11: OP 28

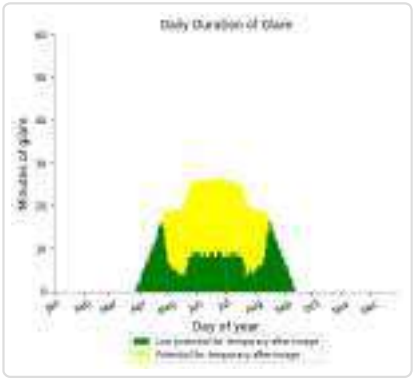
No glare found

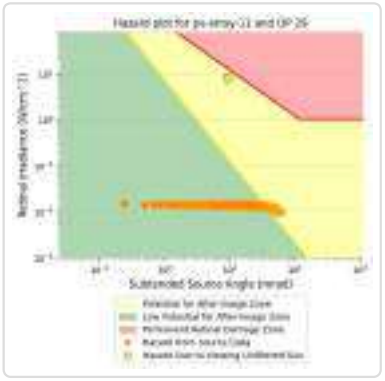
PV array 11: OP 29

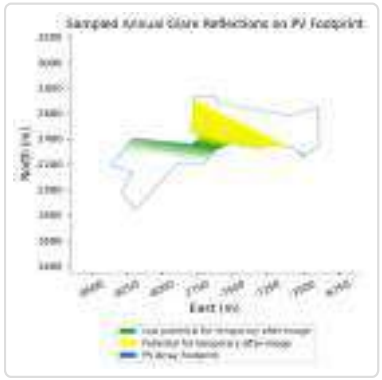
PV array is expected to produce the following glare for this receptor:

- 1,322 minutes of "green" glare with low potential to cause temporary after-image.
- 1,695 minutes of "yellow" glare with potential to cause temporary after-image.





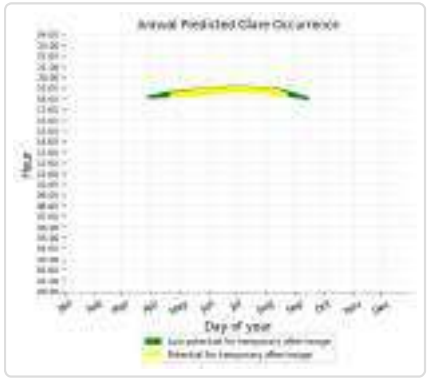


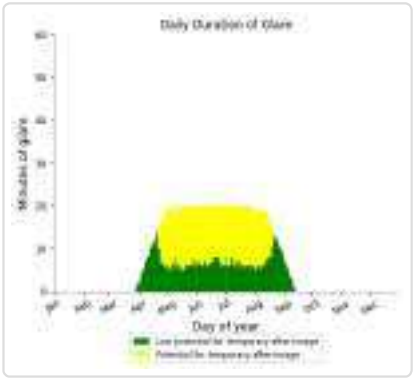


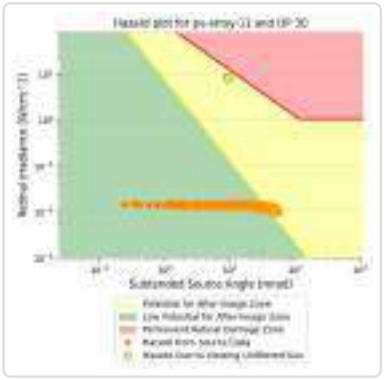
PV array 11: OP 30

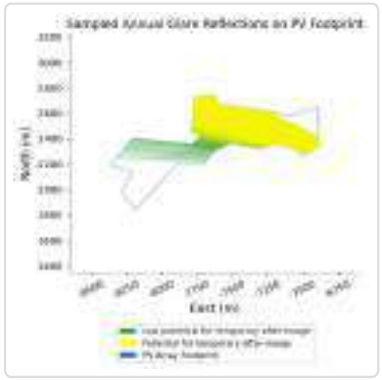
PV array is expected to produce the following glare for this receptor:

- 1,131 minutes of "green" glare with low potential to cause temporary after-image.
- 1,570 minutes of "yellow" glare with potential to cause temporary after-image.





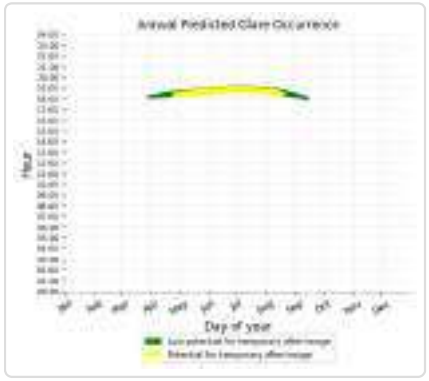


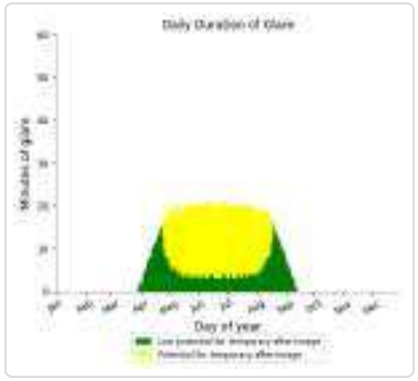


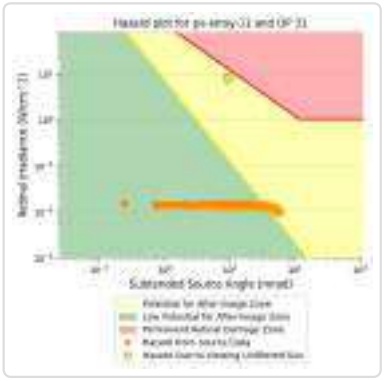
PV array 11: OP 31

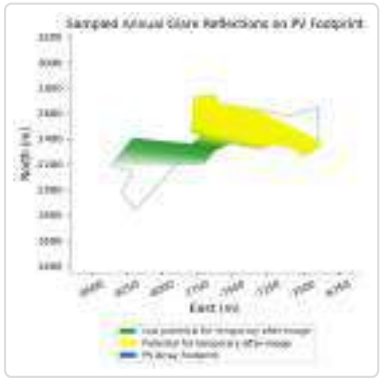
PV array is expected to produce the following glare for this receptor:

- 947 minutes of "green" glare with low potential to cause temporary after-image.
- 1,762 minutes of "yellow" glare with potential to cause temporary after-image.





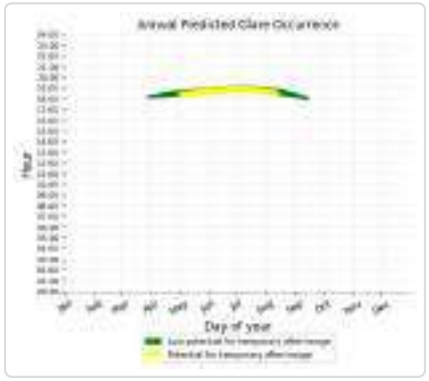


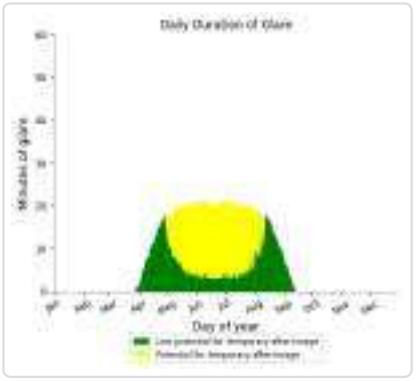


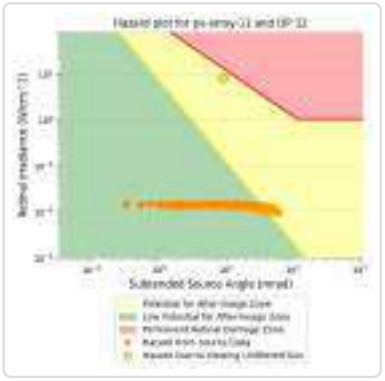
PV array 11: OP 32

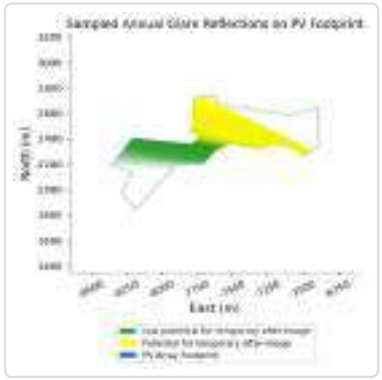
PV array is expected to produce the following glare for this receptor:

- 1,177 minutes of "green" glare with low potential to cause temporary after-image.
- 1,525 minutes of "yellow" glare with potential to cause temporary after-image.





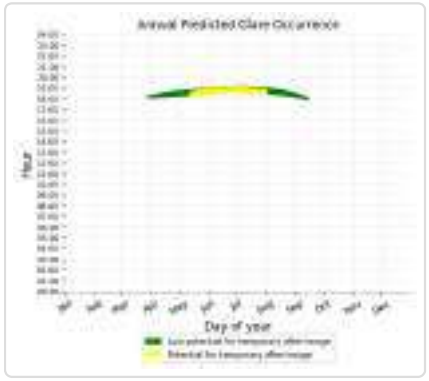


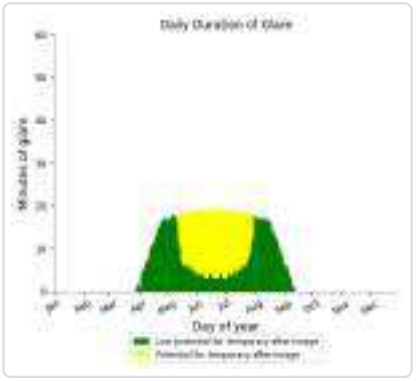


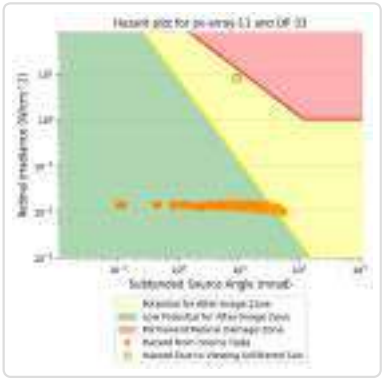
PV array 11: OP 33

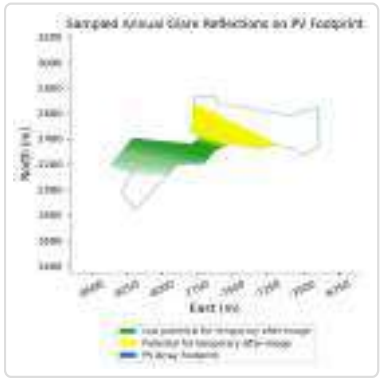
PV array is expected to produce the following glare for this receptor:

- 1,440 minutes of "green" glare with low potential to cause temporary after-image.
- 1,096 minutes of "yellow" glare with potential to cause temporary after-image.





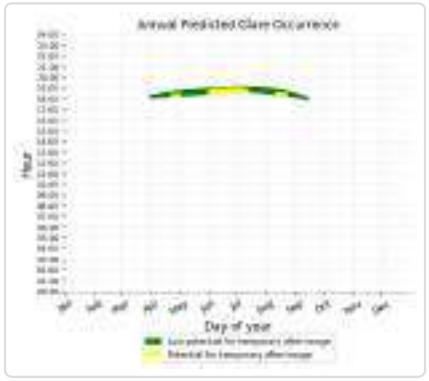


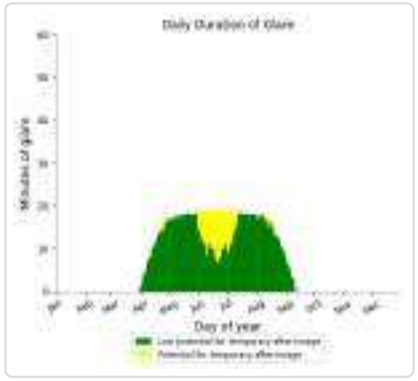


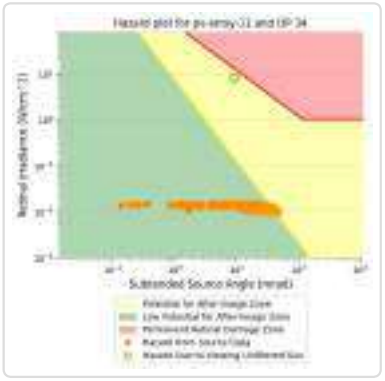
PV array 11: OP 34

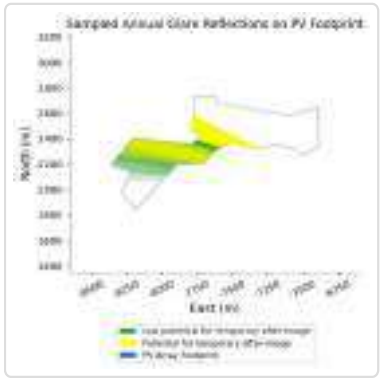
PV array is expected to produce the following glare for this receptor:

- 2,149 minutes of "green" glare with low potential to cause temporary after-image.
- 382 minutes of "yellow" glare with potential to cause temporary after-image.





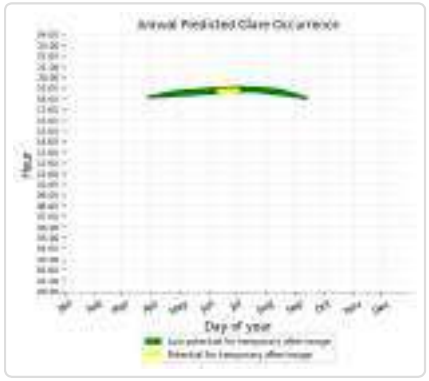


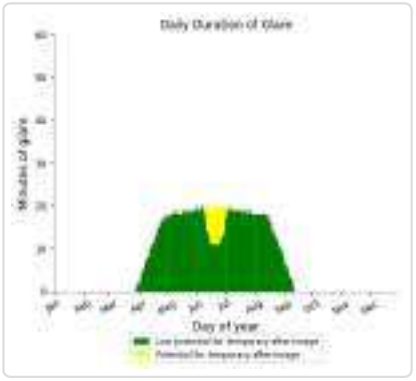


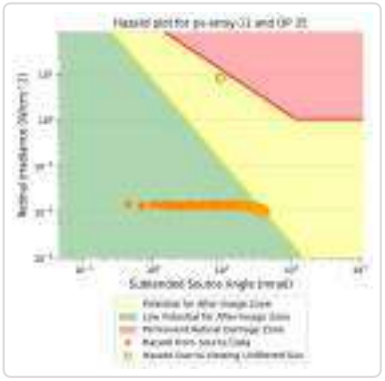
PV array 11: OP 35

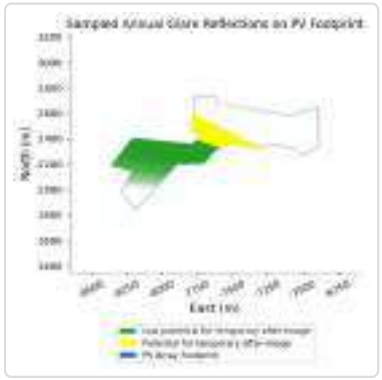
PV array is expected to produce the following glare for this receptor:

- 2,433 minutes of "green" glare with low potential to cause temporary after-image.
- 164 minutes of "yellow" glare with potential to cause temporary after-image.





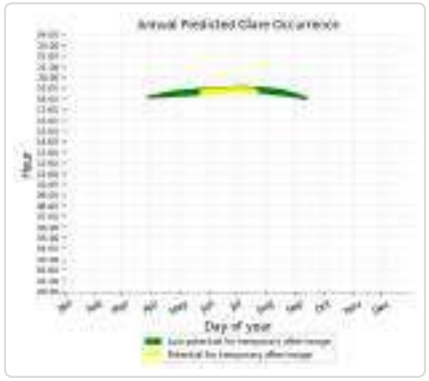


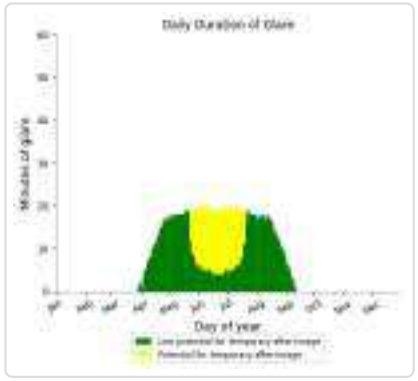


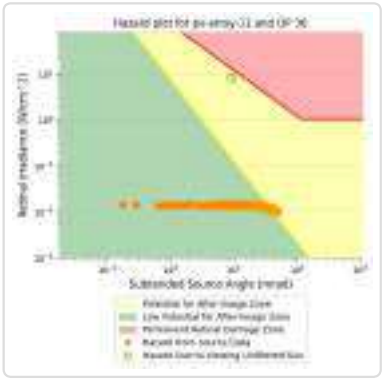
PV array 11: OP 36

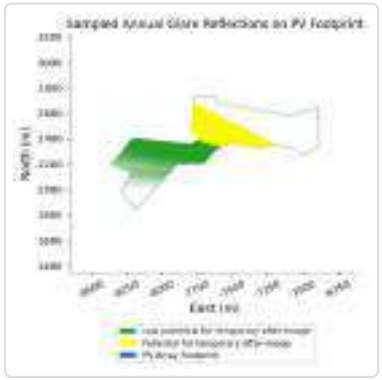
PV array is expected to produce the following glare for this receptor:

- 1,777 minutes of "green" glare with low potential to cause temporary after-image.
- 802 minutes of "yellow" glare with potential to cause temporary after-image.





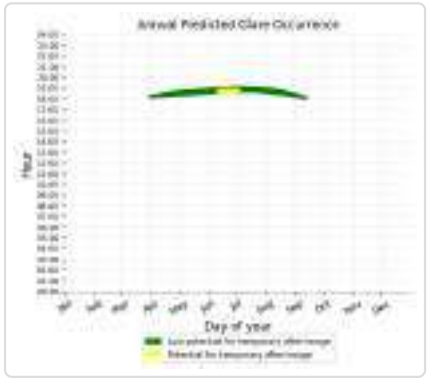


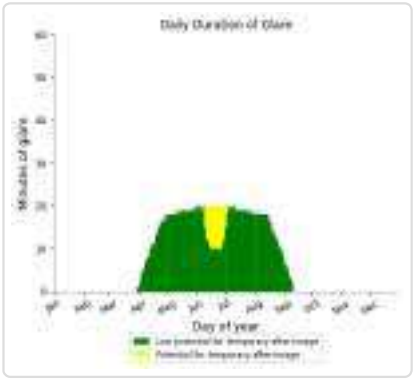


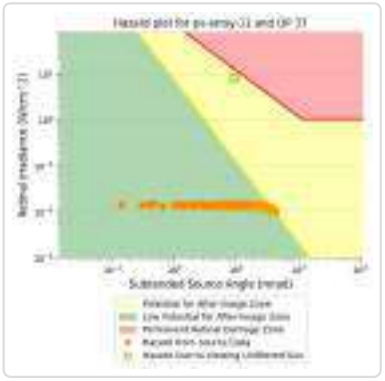
PV array 11: OP 37

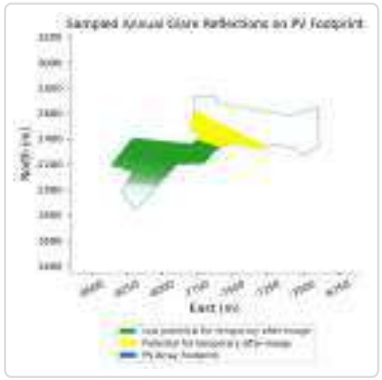
PV array is expected to produce the following glare for this receptor:

- 2,409 minutes of "green" glare with low potential to cause temporary after-image.
- 211 minutes of "yellow" glare with potential to cause temporary after-image.





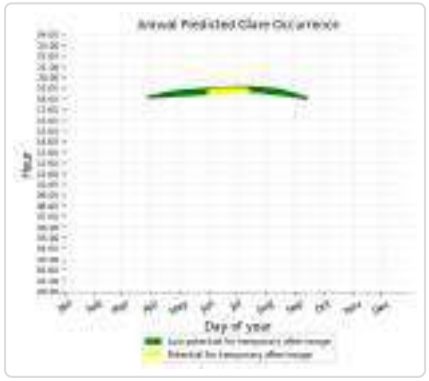


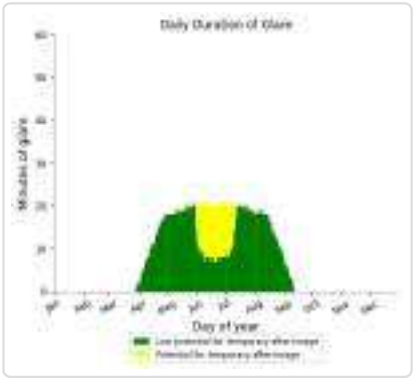


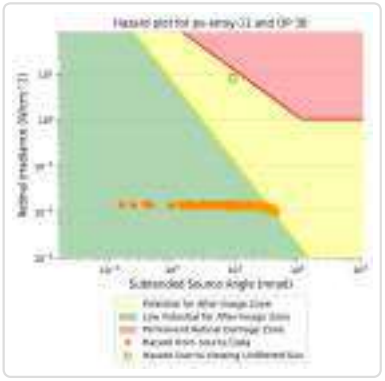
PV array 11: OP 38

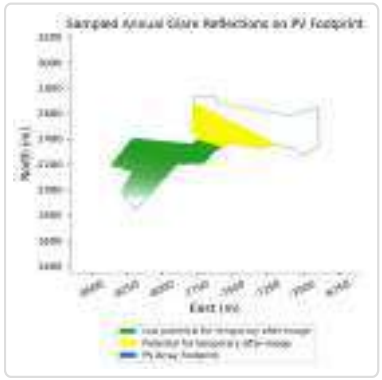
PV array is expected to produce the following glare for this receptor:

- 2,177 minutes of "green" glare with low potential to cause temporary after-image.
- 494 minutes of "yellow" glare with potential to cause temporary after-image.





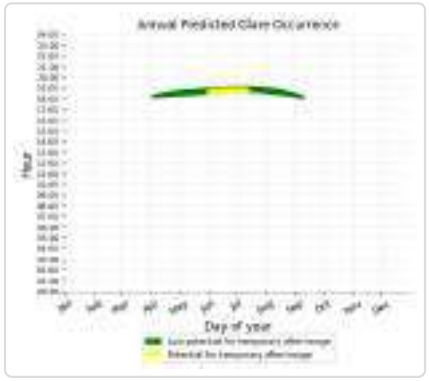


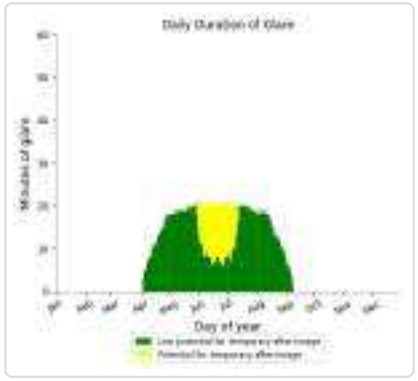


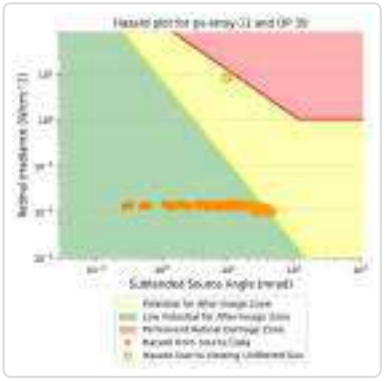
PV array 11: OP 39

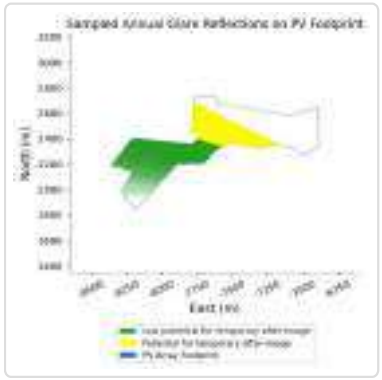
PV array is expected to produce the following glare for this receptor:

- 2,141 minutes of "green" glare with low potential to cause temporary after-image.
- 511 minutes of "yellow" glare with potential to cause temporary after-image.





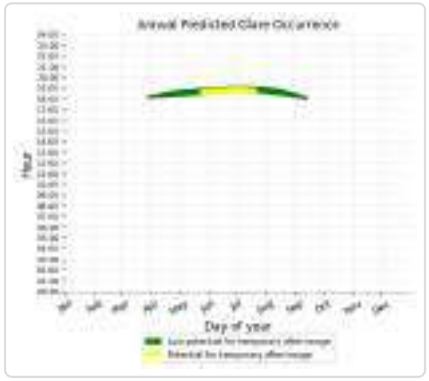


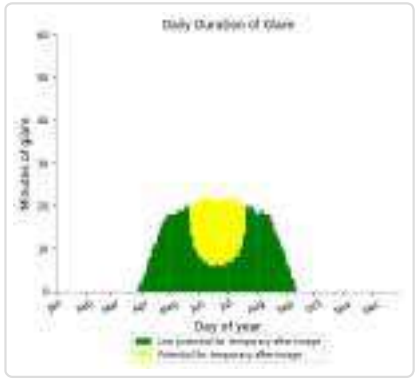


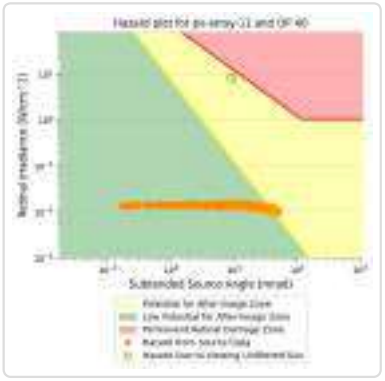
PV array 11: OP 40

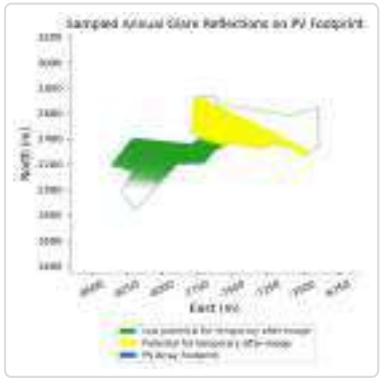
PV array is expected to produce the following glare for this receptor:

- 1,954 minutes of "green" glare with low potential to cause temporary after-image.
- 772 minutes of "yellow" glare with potential to cause temporary after-image.





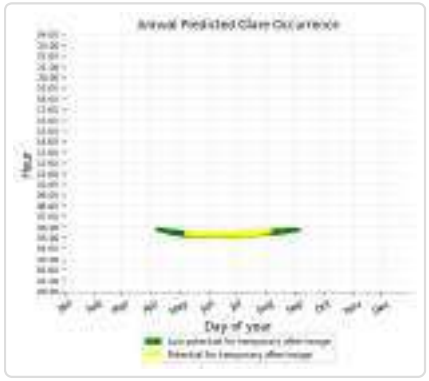


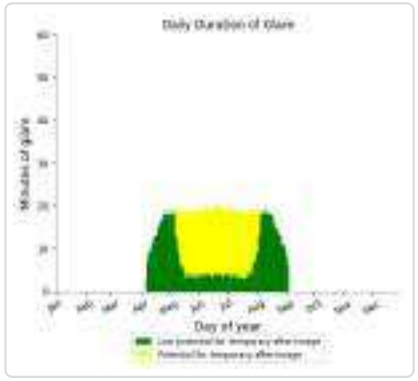


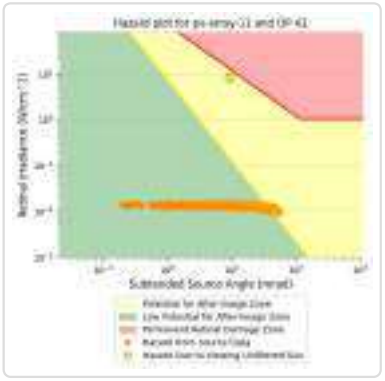
PV array 11: OP 41

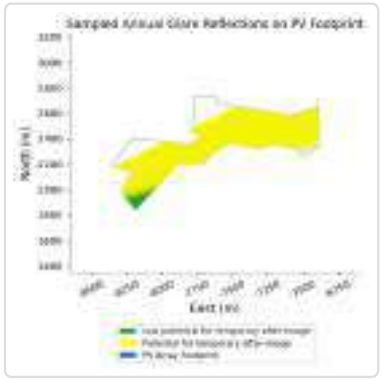
PV array is expected to produce the following glare for this receptor:

- 1,325 minutes of "green" glare with low potential to cause temporary after-image.
- 1,291 minutes of "yellow" glare with potential to cause temporary after-image.





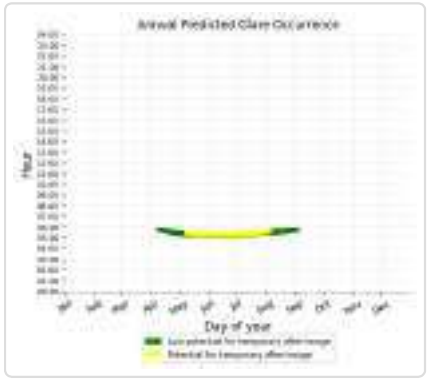


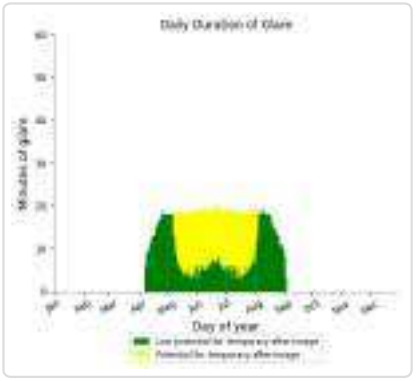


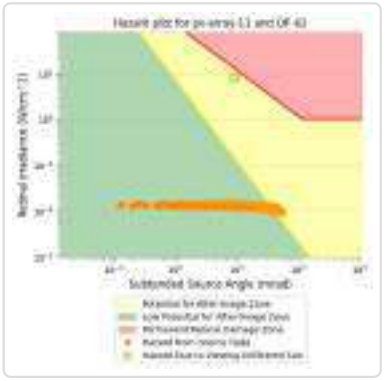
PV array 11: OP 42

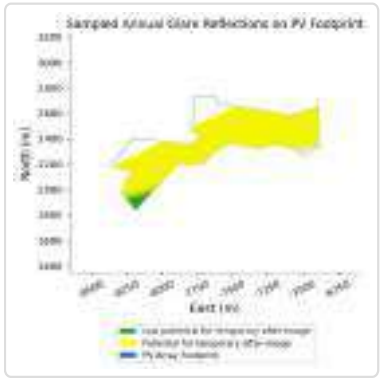
PV array is expected to produce the following glare for this receptor:

- 1,407 minutes of "green" glare with low potential to cause temporary after-image.
- 1,183 minutes of "yellow" glare with potential to cause temporary after-image.





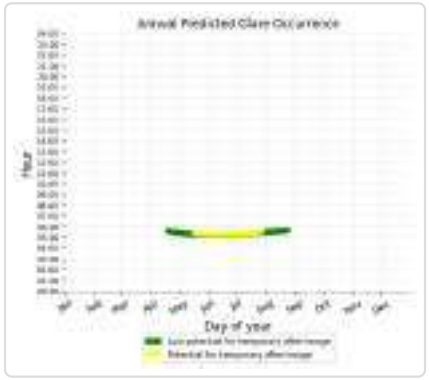


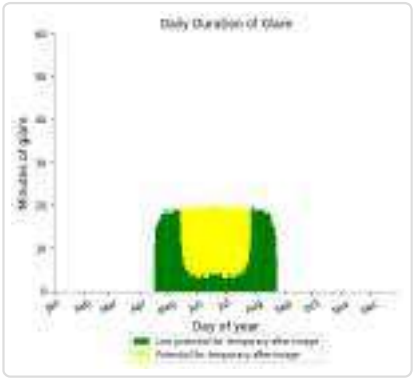


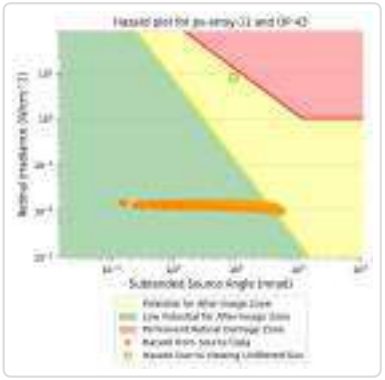
PV array 11: OP 43

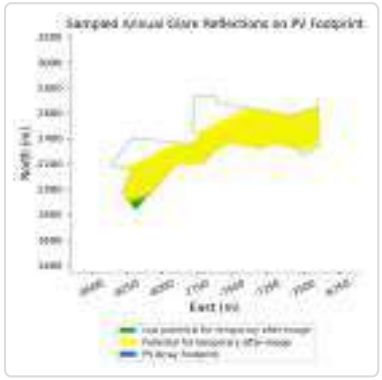
PV array is expected to produce the following glare for this receptor:

- 1,310 minutes of "green" glare with low potential to cause temporary after-image.
- 1,125 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 11: OP 44

No glare found

PV array 11: OP 45

No glare found

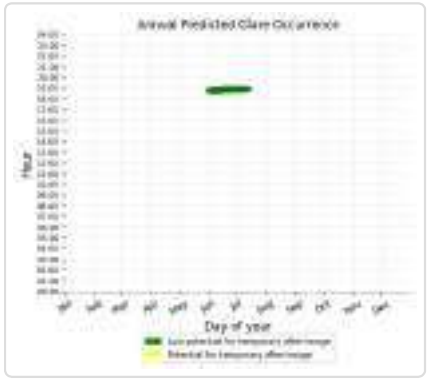
PV array 11: OP 46

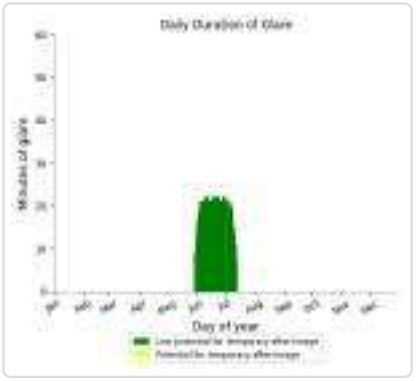
No glare found

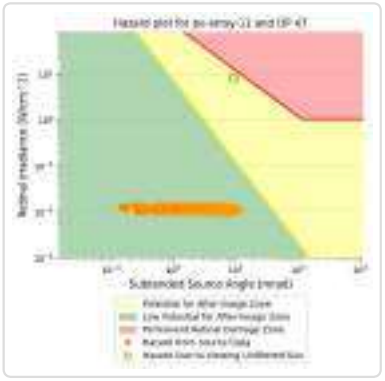
PV array 11: OP 47

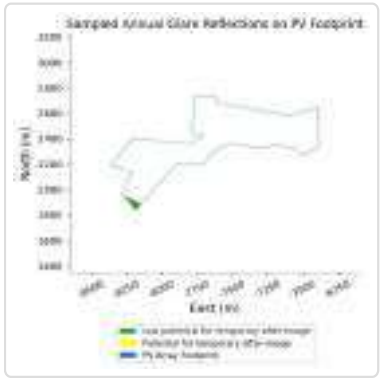
PV array is expected to produce the following glare for this receptor:

- 902 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





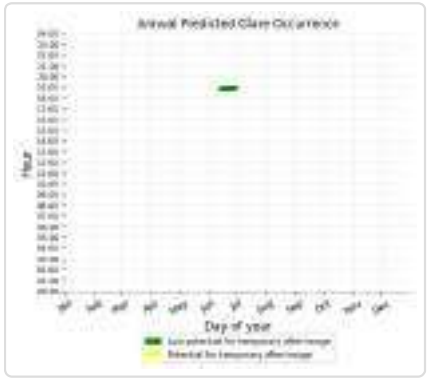


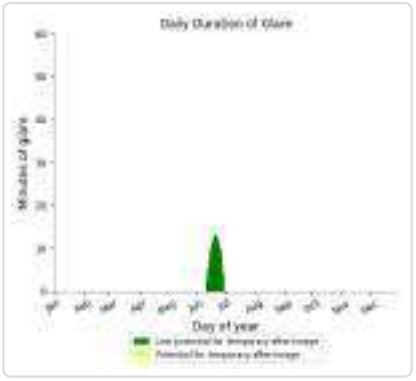


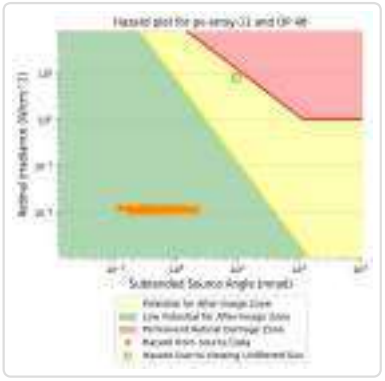
PV array 11: OP 48

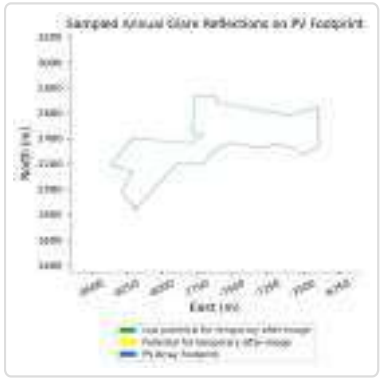
PV array is expected to produce the following glare for this receptor:

- 182 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 11: OP 49

No glare found

PV array 11: OP 50

No glare found

PV array 11: OP 51

No glare found

PV array 11: OP 52

No glare found

PV array 11: OP 53

No glare found

PV array 11: OP 54

No glare found

PV array 11: OP 55

No glare found

PV array 11: OP 56

No glare found

PV array 11: OP 57

No glare found

PV array 11: OP 58

No glare found

PV array 11: OP 59

No glare found

PV array 11: OP 60

No glare found

PV array 11: OP 61

No glare found

PV array 11: OP 62

No glare found

PV array 11: OP 63

No glare found

PV array 11: OP 64

No glare found

PV array 11: OP 65

No glare found

PV array 12 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	250	0
OP: OP 2	676	0
OP: OP 3	1144	0
OP: OP 4	1253	0
OP: OP 5	1590	0
OP: OP 6	1286	0
OP: OP 7	963	0
OP: OP 8	1022	0
OP: OP 9	916	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	278	0
OP: OP 15	160	0
OP: OP 16	122	0
OP: OP 17	110	0
OP: OP 18	123	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	914	275
OP: OP 22	1734	534

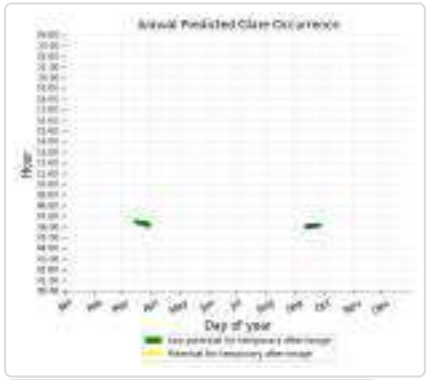
OP: OP 23	38	0
OP: OP 24	20	0
OP: OP 25	0	0
OP: OP 26	892	1141
OP: OP 27	818	906
OP: OP 28	1267	833
OP: OP 29	0	0
OP: OP 30	302	0
OP: OP 31	35	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	1059	0
OP: OP 42	1075	0
OP: OP 43	720	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

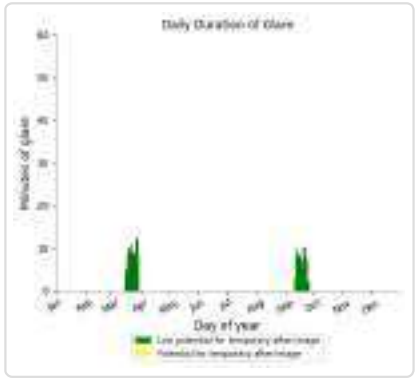
OP: OP 59	454	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

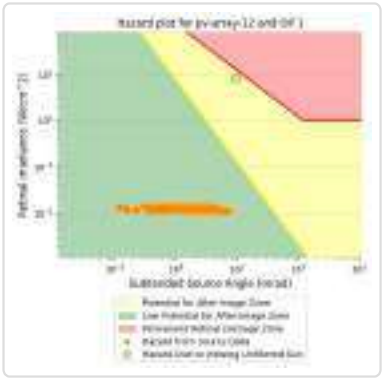
PV array 12: OP 1

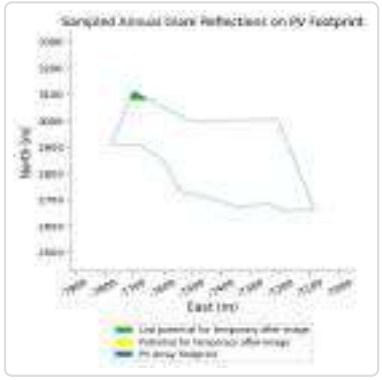
PV array is expected to produce the following glare for this receptor:

- 250 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





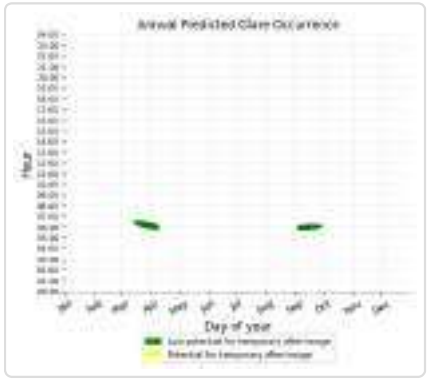


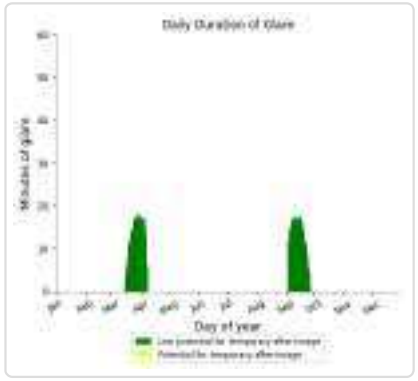


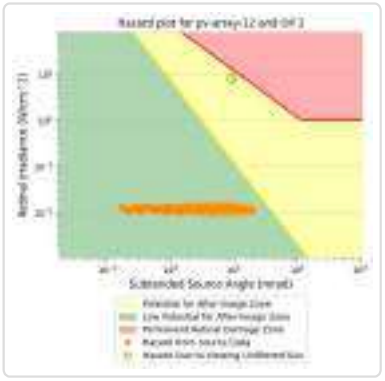
PV array 12: OP 2

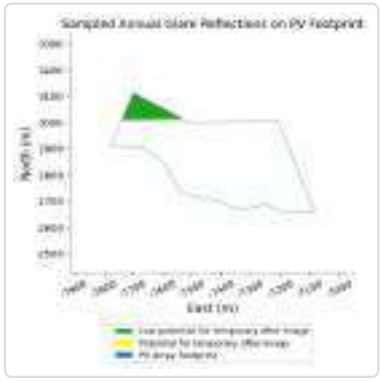
PV array is expected to produce the following glare for this receptor:

- 676 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





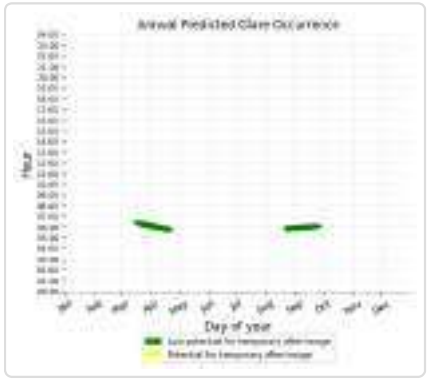


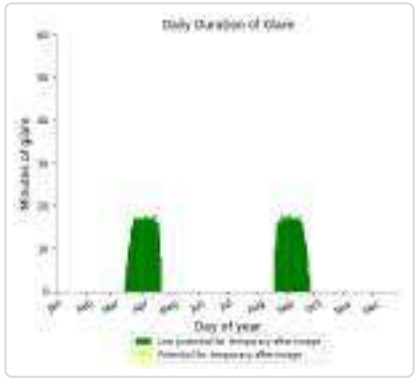


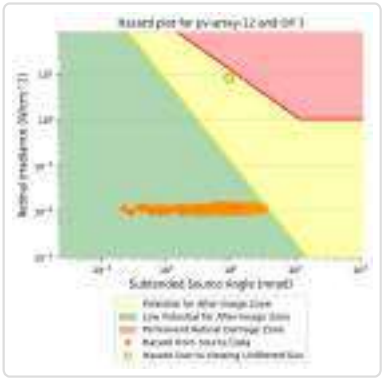
PV array 12: OP 3

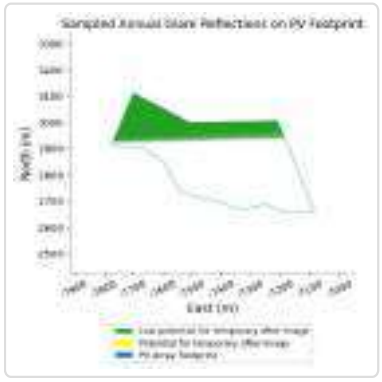
PV array is expected to produce the following glare for this receptor:

- 1,144 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





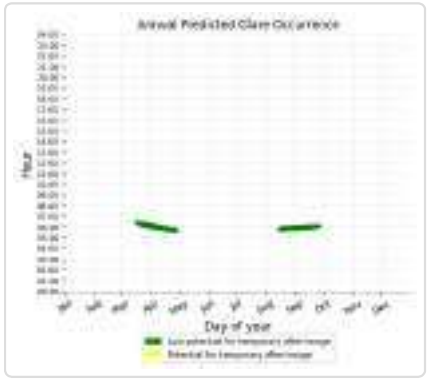


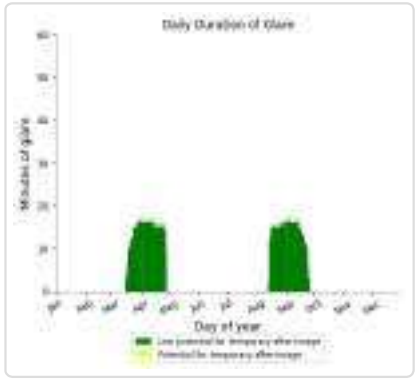


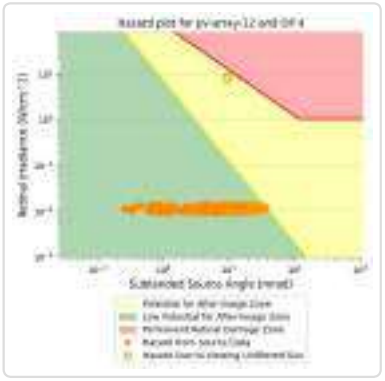
PV array 12: OP 4

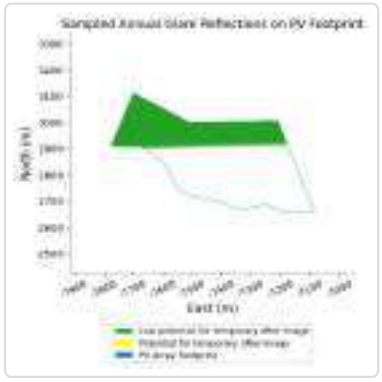
PV array is expected to produce the following glare for this receptor:

- 1,253 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





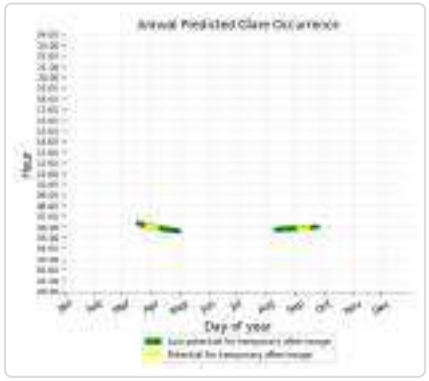


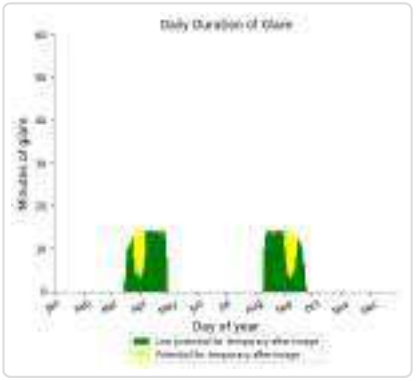


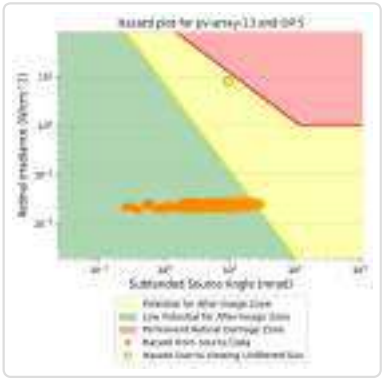
PV array 12: OP 5

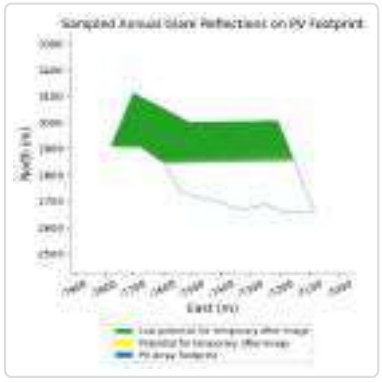
PV array is expected to produce the following glare for this receptor:

- 1,590 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





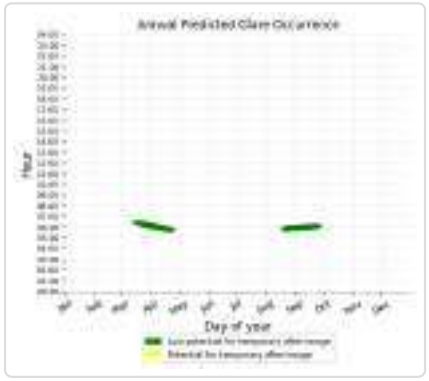


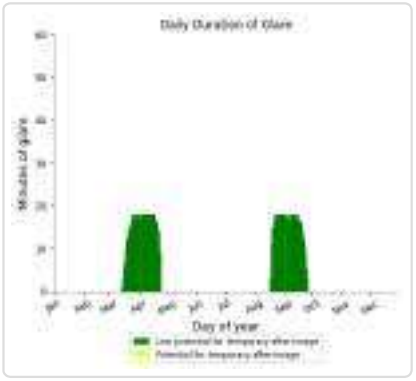


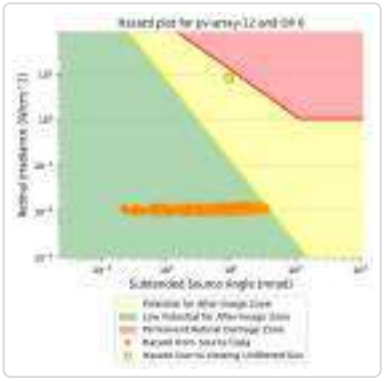
PV array 12: OP 6

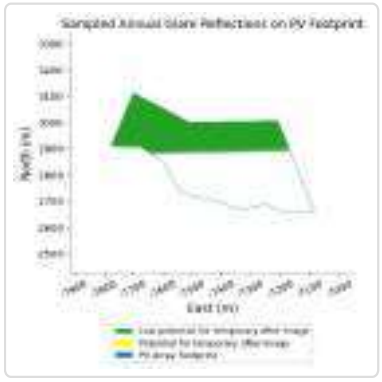
PV array is expected to produce the following glare for this receptor:

- 1,286 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





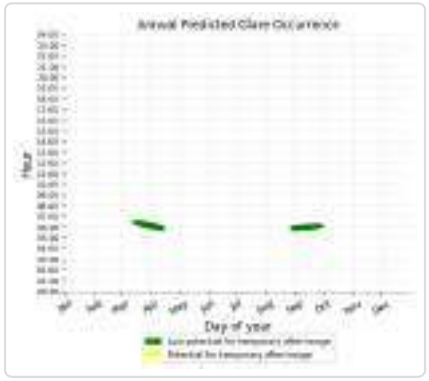


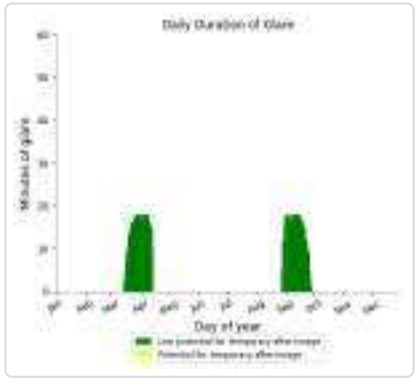


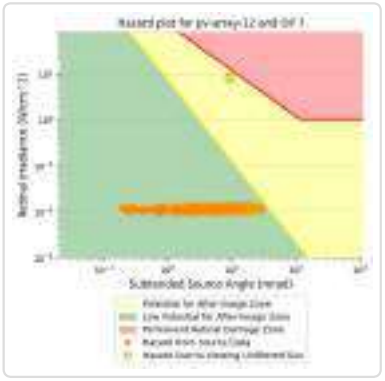
PV array 12: OP 7

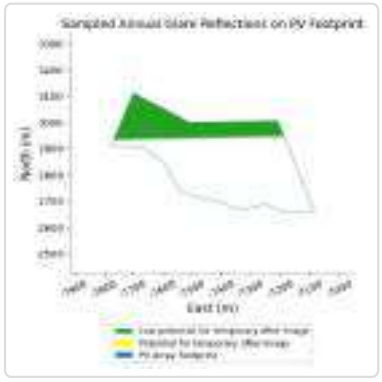
PV array is expected to produce the following glare for this receptor:

- 963 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





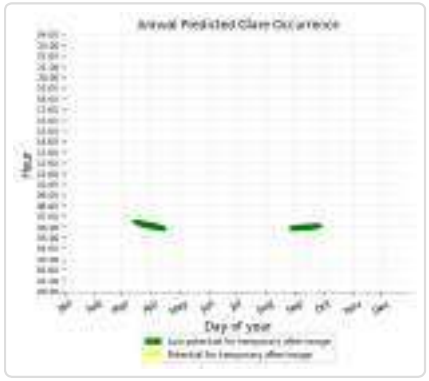


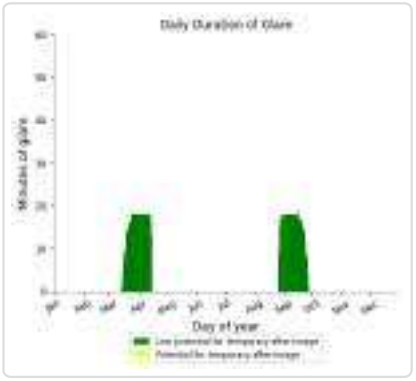


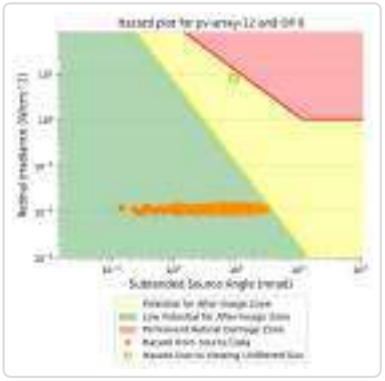
PV array 12: OP 8

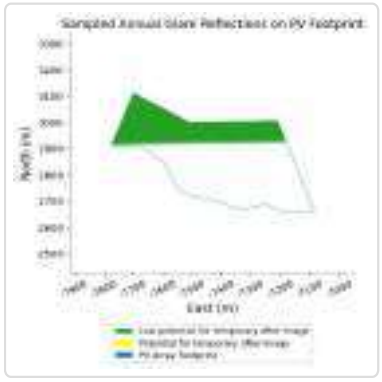
PV array is expected to produce the following glare for this receptor:

- 1,022 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





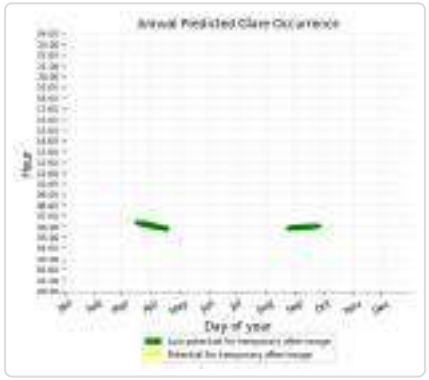


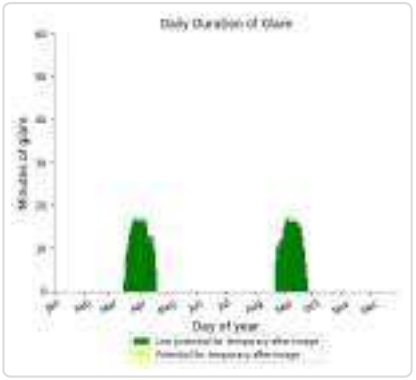


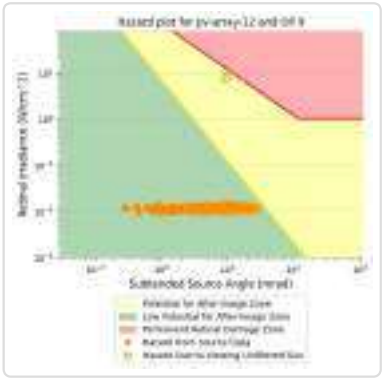
PV array 12: OP 9

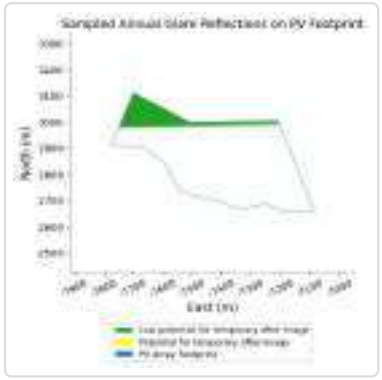
PV array is expected to produce the following glare for this receptor:

- 916 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 10

No glare found

PV array 12: OP 11

No glare found

PV array 12: OP 12

No glare found

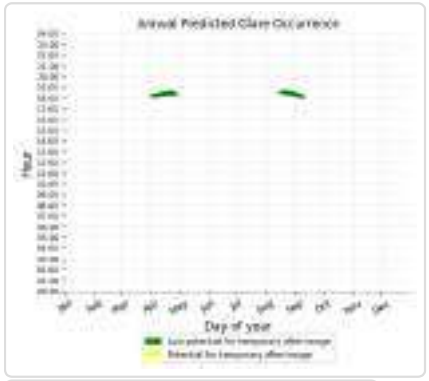
PV array 12: OP 13

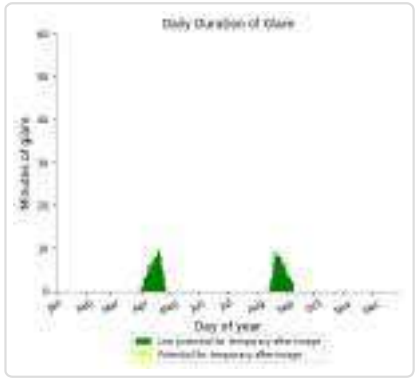
No glare found

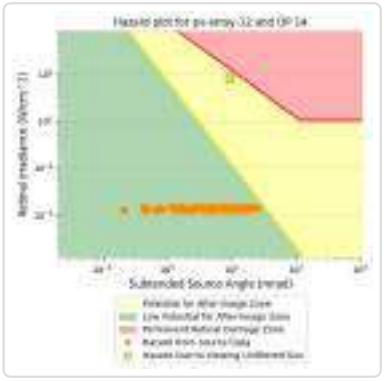
PV array 12: OP 14

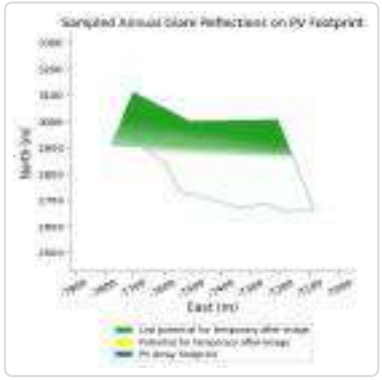
PV array is expected to produce the following glare for this receptor:

- 278 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





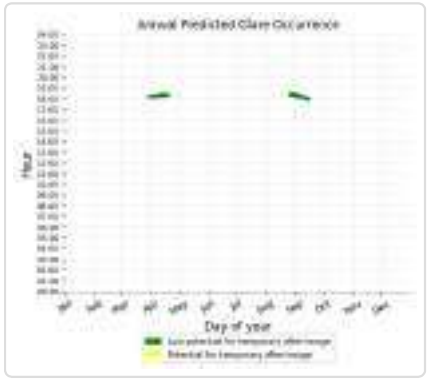


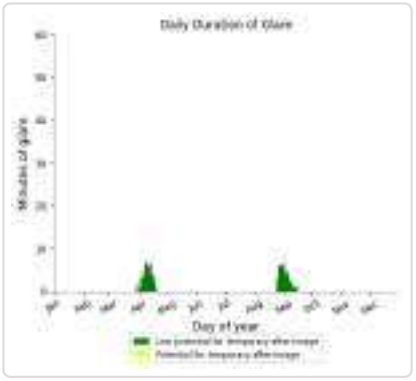


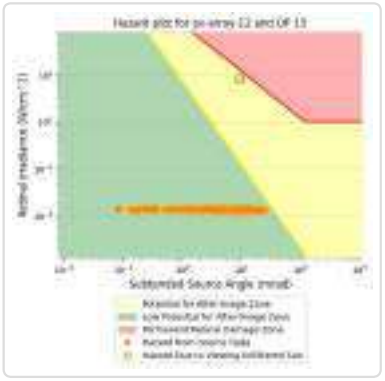
PV array 12: OP 15

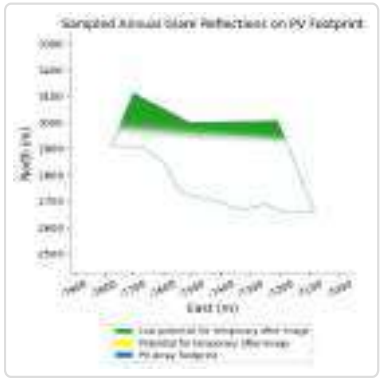
PV array is expected to produce the following glare for this receptor:

- 160 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





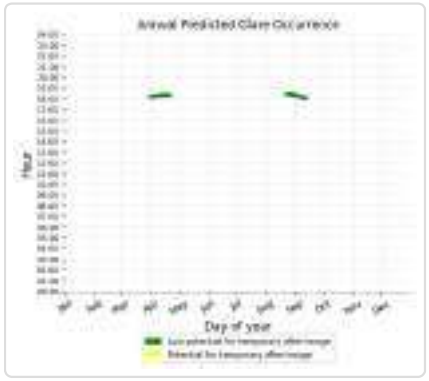


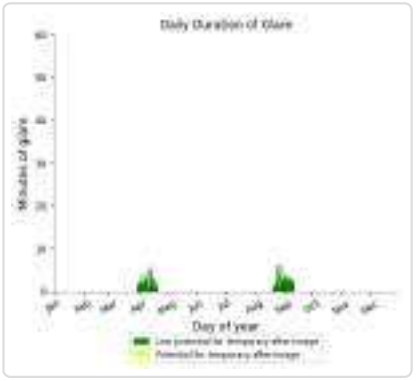


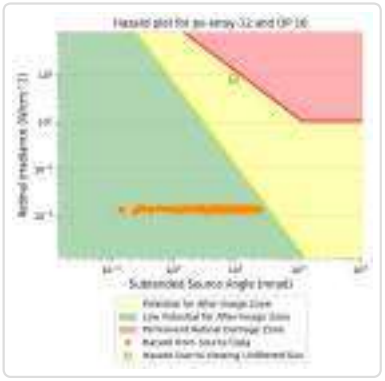
PV array 12: OP 16

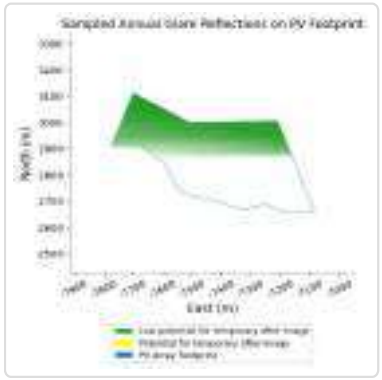
PV array is expected to produce the following glare for this receptor:

- 122 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





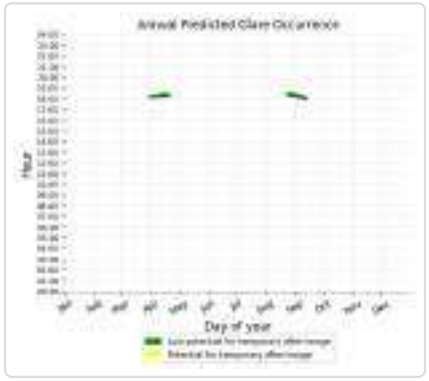


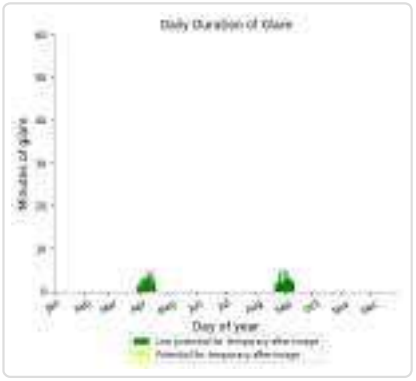


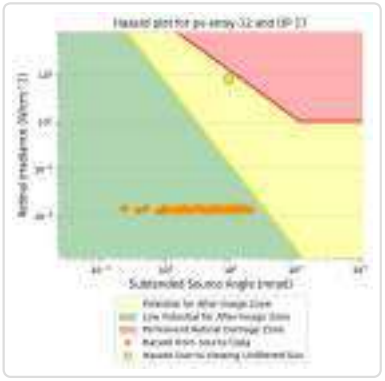
PV array 12: OP 17

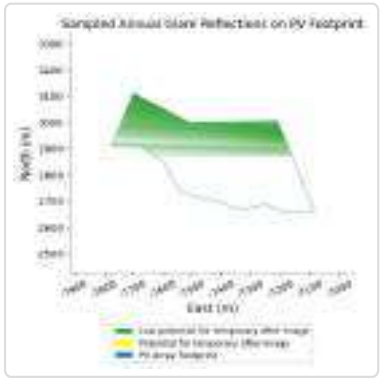
PV array is expected to produce the following glare for this receptor:

- 110 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





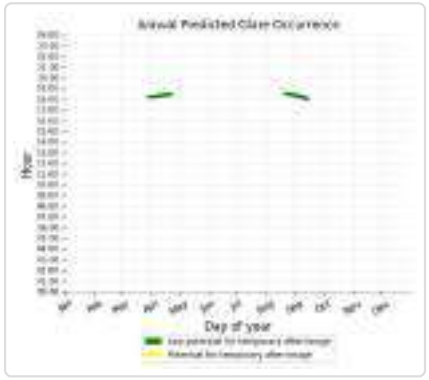


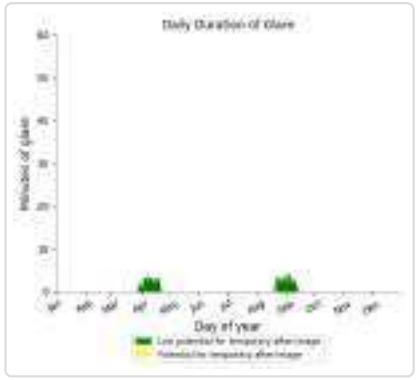


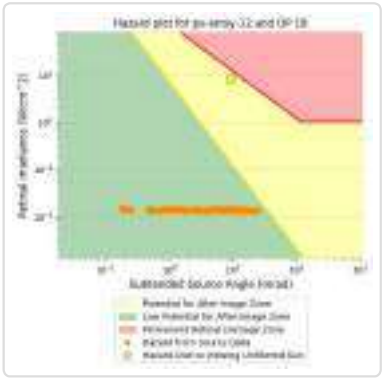
PV array 12: OP 18

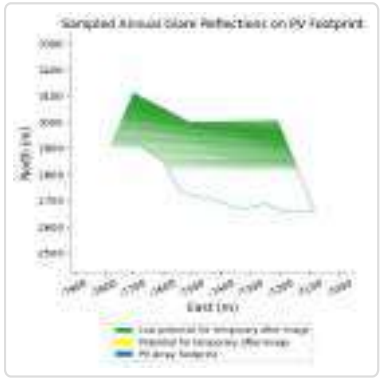
PV array is expected to produce the following glare for this receptor:

- 123 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 19

No glare found

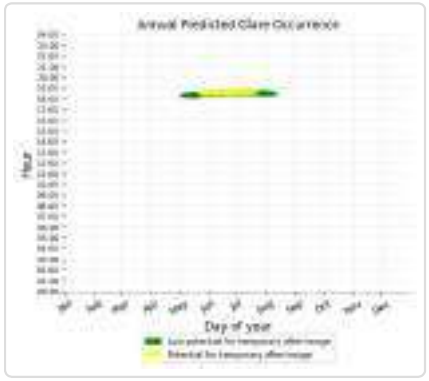
PV array 12: OP 20

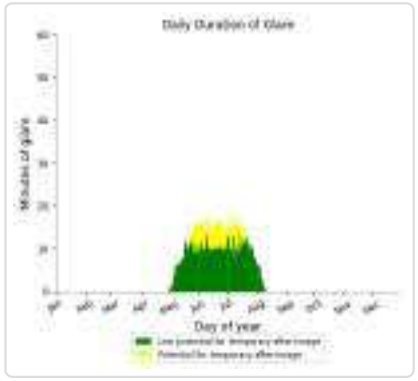
No glare found

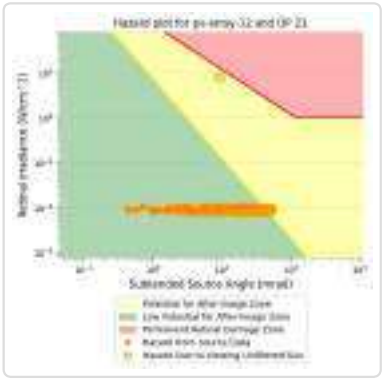
PV array 12: OP 21

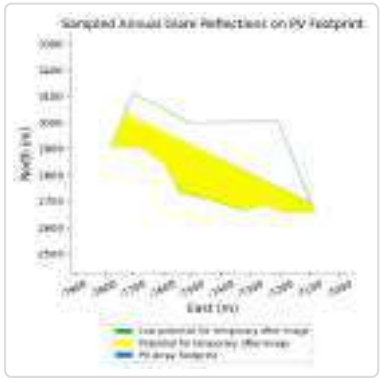
PV array is expected to produce the following glare for this receptor:

- 914 minutes of "green" glare with low potential to cause temporary after-image.
- 275 minutes of "yellow" glare with potential to cause temporary after-image.





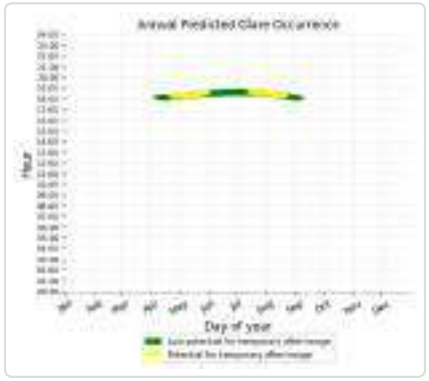


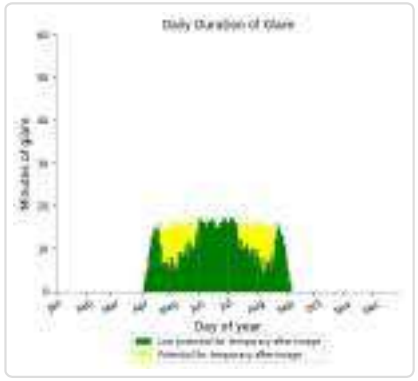


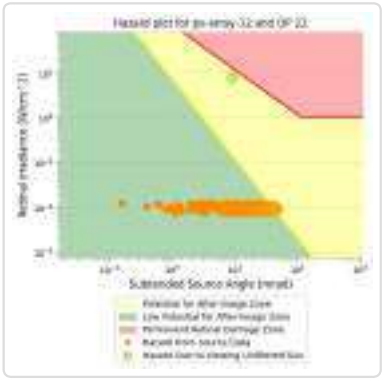
PV array 12: OP 22

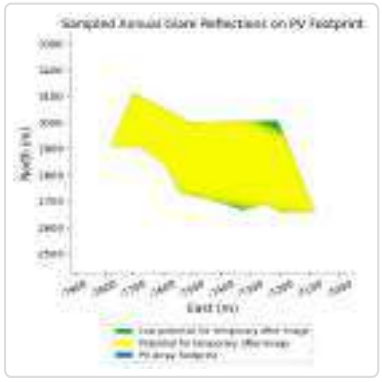
PV array is expected to produce the following glare for this receptor:

- 1,734 minutes of "green" glare with low potential to cause temporary after-image.
- 534 minutes of "yellow" glare with potential to cause temporary after-image.





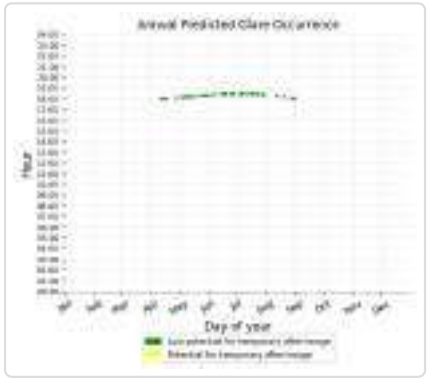


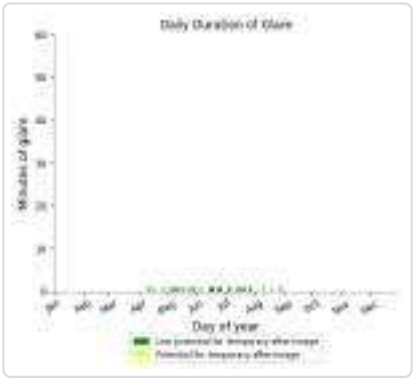


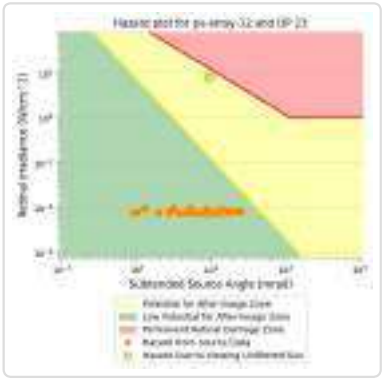
PV array 12: OP 23

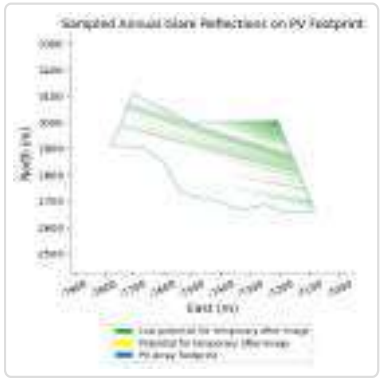
PV array is expected to produce the following glare for this receptor:

- 38 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





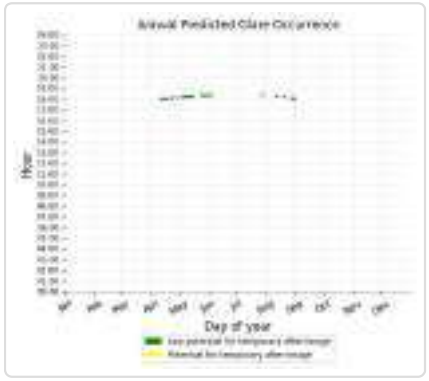


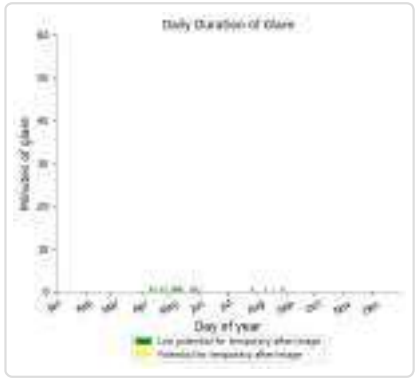


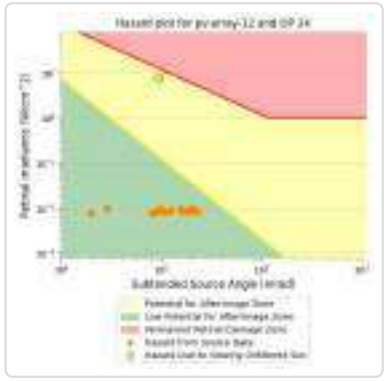
PV array 12: OP 24

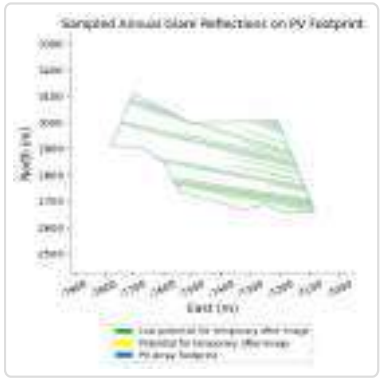
PV array is expected to produce the following glare for this receptor:

- 20 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









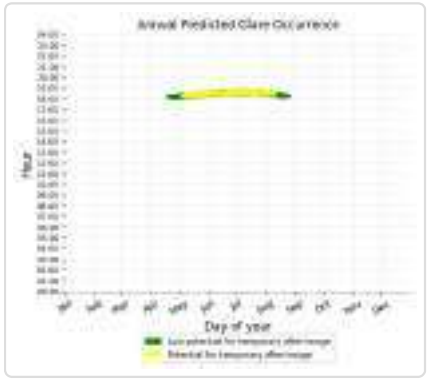
PV array 12: OP 25

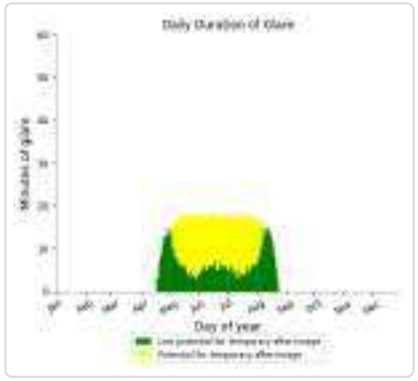
No glare found

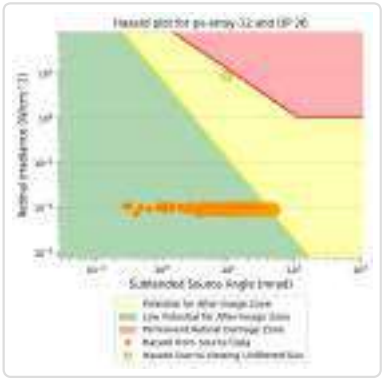
PV array 12: OP 26

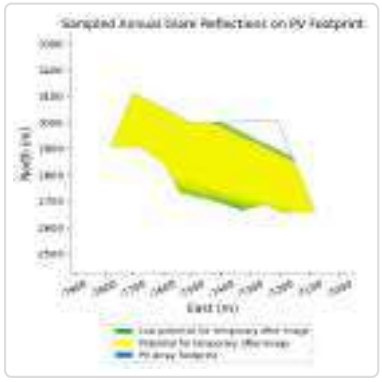
PV array is expected to produce the following glare for this receptor:

- 892 minutes of "green" glare with low potential to cause temporary after-image.
- 1,141 minutes of "yellow" glare with potential to cause temporary after-image.





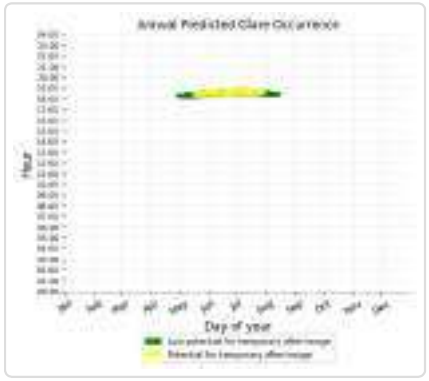


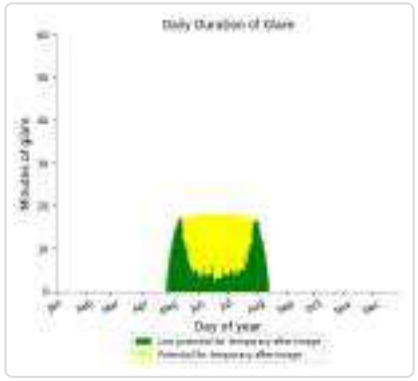


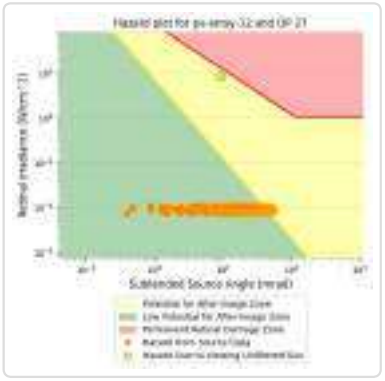
PV array 12: OP 27

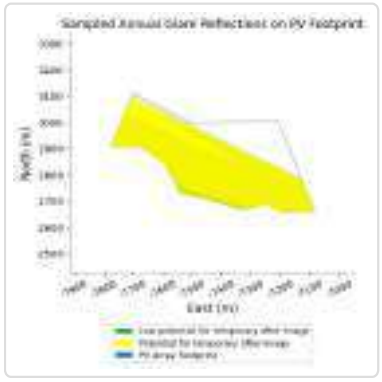
PV array is expected to produce the following glare for this receptor:

- 818 minutes of "green" glare with low potential to cause temporary after-image.
- 906 minutes of "yellow" glare with potential to cause temporary after-image.





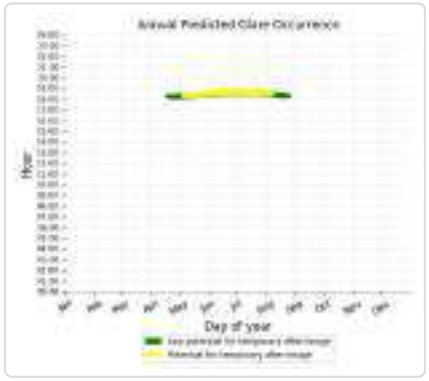


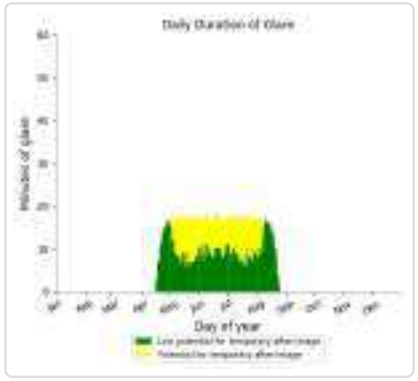


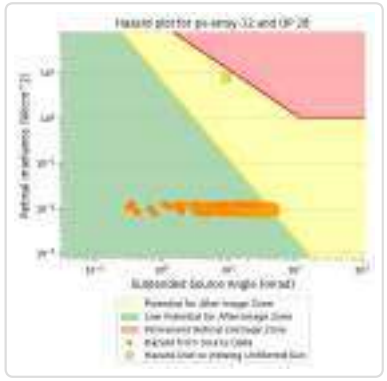
PV array 12: OP 28

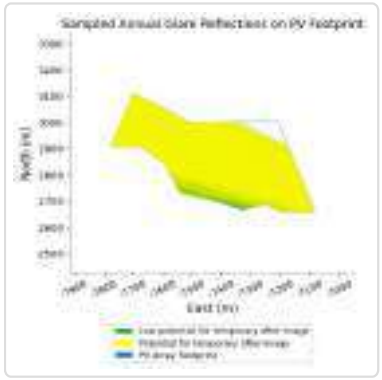
PV array is expected to produce the following glare for this receptor:

- 1,267 minutes of "green" glare with low potential to cause temporary after-image.
- 833 minutes of "yellow" glare with potential to cause temporary after-image.









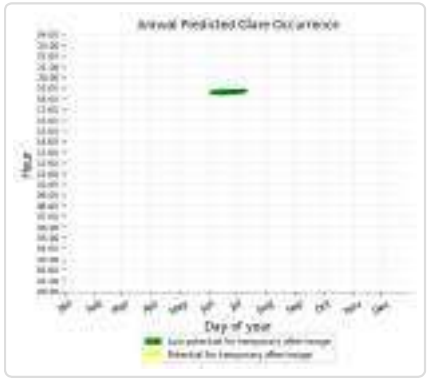
PV array 12: OP 29

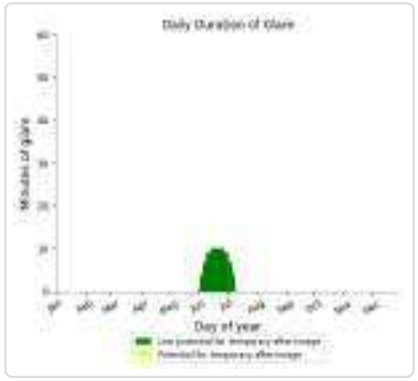
No glare found

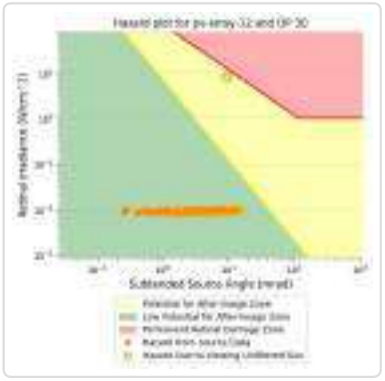
PV array 12: OP 30

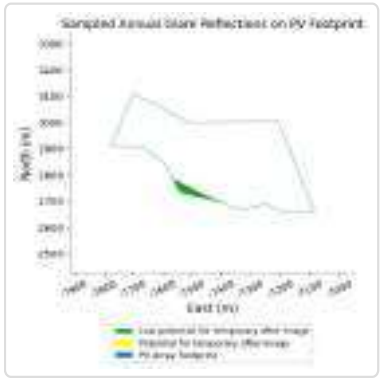
PV array is expected to produce the following glare for this receptor:

- 302 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





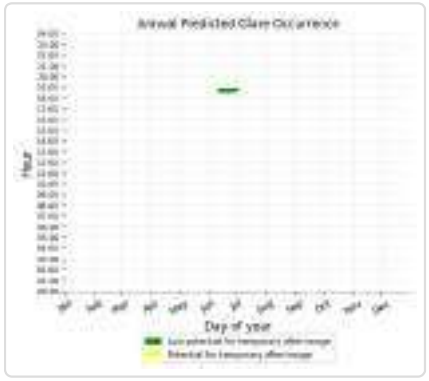


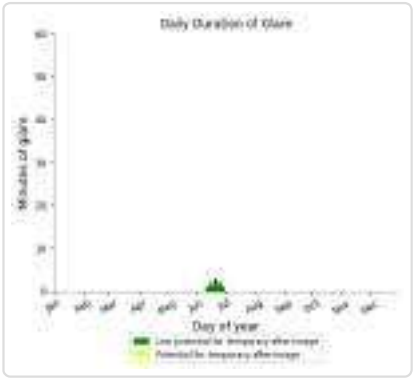


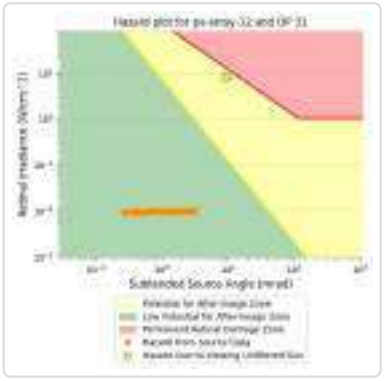
PV array 12: OP 31

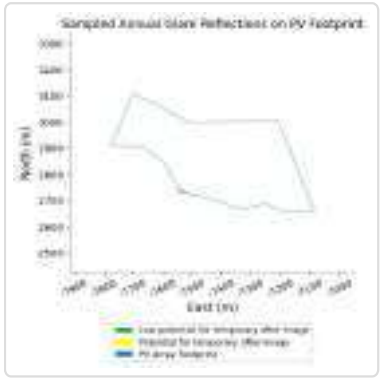
PV array is expected to produce the following glare for this receptor:

- 35 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 32

No glare found

PV array 12: OP 33

No glare found

PV array 12: OP 34

No glare found

PV array 12: OP 35

No glare found

PV array 12: OP 36

No glare found

PV array 12: OP 37

No glare found

PV array 12: OP 38

No glare found

PV array 12: OP 39

No glare found

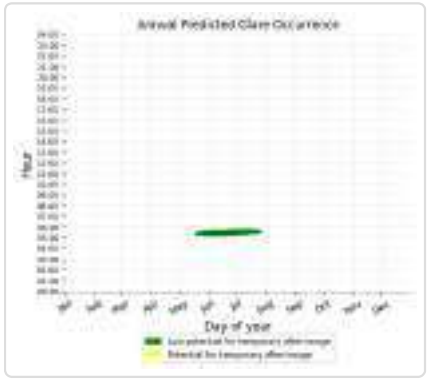
PV array 12: OP 40

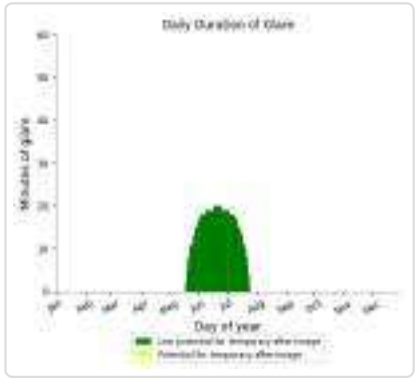
No glare found

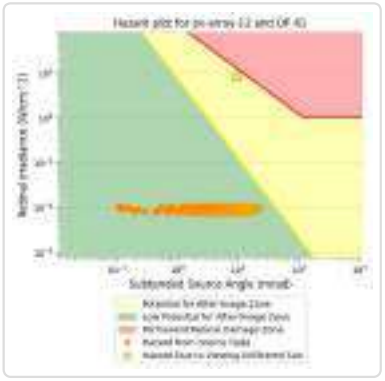
PV array 12: OP 41

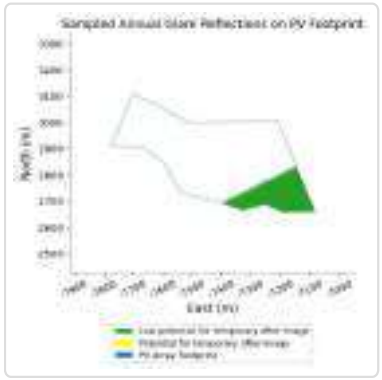
PV array is expected to produce the following glare for this receptor:

- 1,059 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





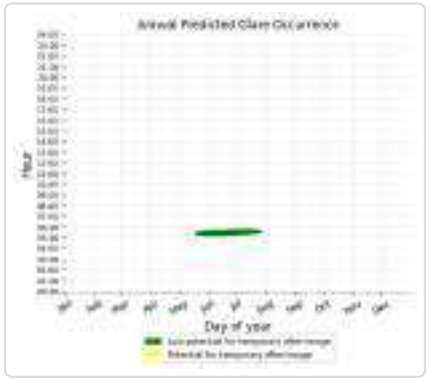


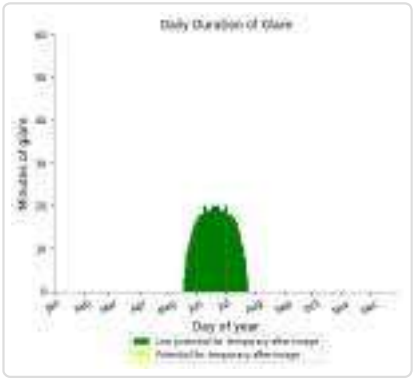


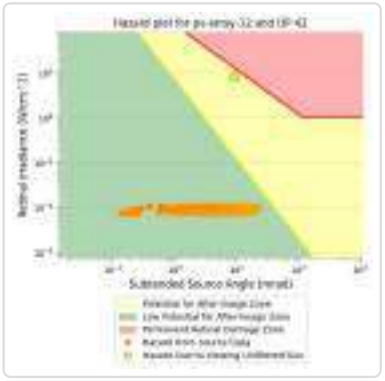
PV array 12: OP 42

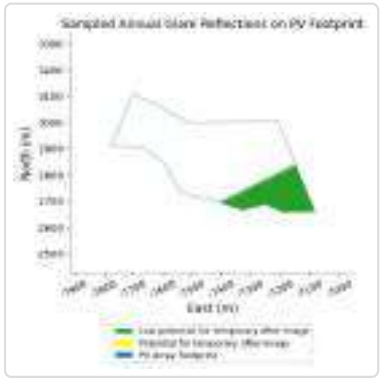
PV array is expected to produce the following glare for this receptor:

- 1,075 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





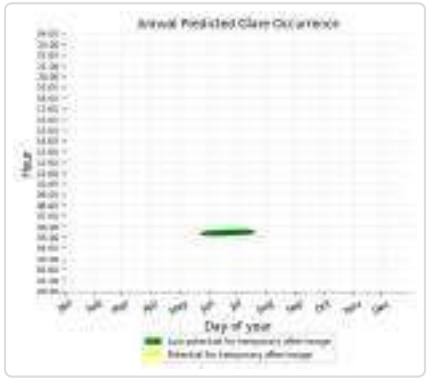


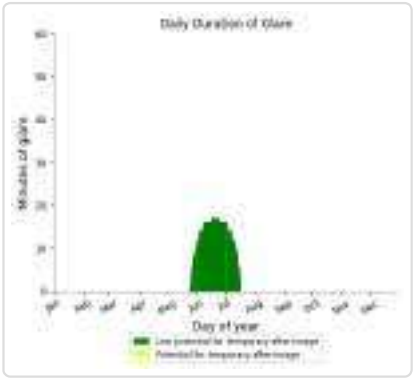


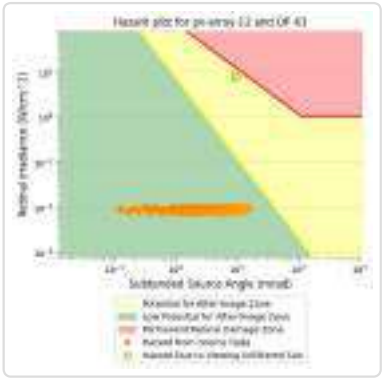
PV array 12: OP 43

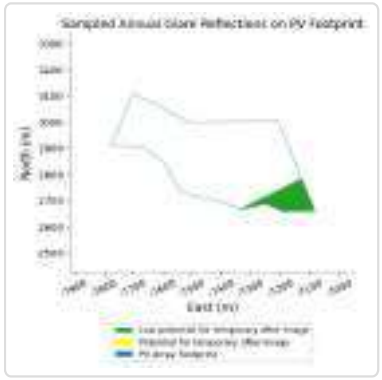
PV array is expected to produce the following glare for this receptor:

- 720 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 44

No glare found

PV array 12: OP 45

No glare found

PV array 12: OP 46

No glare found

PV array 12: OP 47

No glare found

PV array 12: OP 48

No glare found

PV array 12: OP 49

No glare found

PV array 12: OP 50

No glare found

PV array 12: OP 51

No glare found

PV array 12: OP 52

No glare found

PV array 12: OP 53

No glare found

PV array 12: OP 54

No glare found

PV array 12: OP 55

No glare found

PV array 12: OP 56

No glare found

PV array 12: OP 57

No glare found

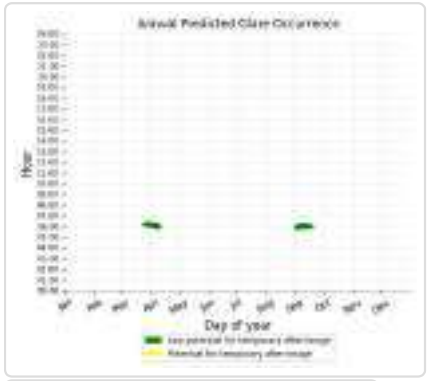
PV array 12: OP 58

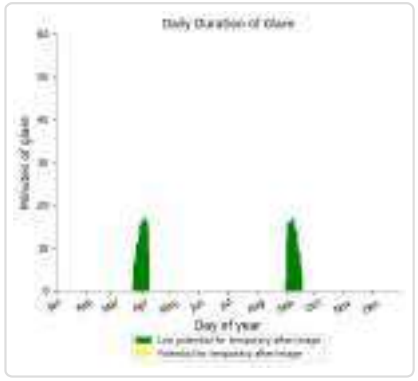
No glare found

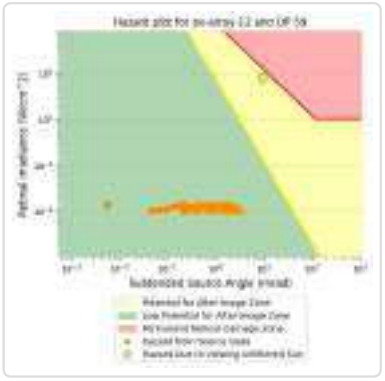
PV array 12: OP 59

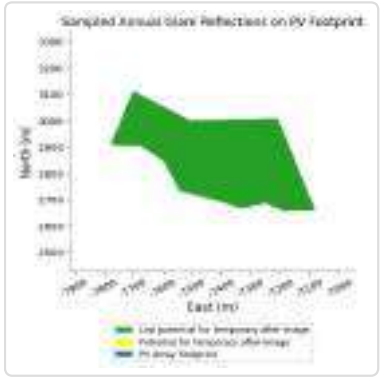
PV array is expected to produce the following glare for this receptor:

- 454 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 60

No glare found

PV array 12: OP 61

No glare found

PV array 12: OP 62

No glare found

PV array 12: OP 63

No glare found

PV array 12: OP 64

No glare found

PV array 12: OP 65

No glare found

PV array 2 no glare found

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0

OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

No glare found

PV array 3 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0

OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	68	0
OP: OP 45	102	0
OP: OP 46	94	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	20	0
OP: OP 51	0	0
OP: OP 52	36	0
OP: OP 53	65	0
OP: OP 54	189	0
OP: OP 55	216	0
OP: OP 56	275	0
OP: OP 57	277	0
OP: OP 58	244	0
OP: OP 59	64	0
OP: OP 60	305	0
OP: OP 61	368	0
OP: OP 62	379	0
OP: OP 63	439	0
OP: OP 64	320	0
OP: OP 65	385	0

PV array 3: OP 1

No glare found

PV array 3: OP 2

No glare found

PV array 3: OP 3

No glare found

PV array 3: OP 4

No glare found

PV array 3: OP 5

No glare found

PV array 3: OP 6

No glare found

PV array 3: OP 7

No glare found

PV array 3: OP 8

No glare found

PV array 3: OP 9

No glare found

PV array 3: OP 10

No glare found

PV array 3: OP 11

No glare found

PV array 3: OP 12

No glare found

PV array 3: OP 13

No glare found

PV array 3: OP 14

No glare found

PV array 3: OP 15

No glare found

PV array 3: OP 16

No glare found

PV array 3: OP 17

No glare found

PV array 3: OP 18

No glare found

PV array 3: OP 19

No glare found

PV array 3: OP 20

No glare found

PV array 3: OP 21

No glare found

PV array 3: OP 22

No glare found

PV array 3: OP 23

No glare found

PV array 3: OP 24

No glare found

PV array 3: OP 25

No glare found

PV array 3: OP 26

No glare found

PV array 3: OP 27

No glare found

PV array 3: OP 28

No glare found

PV array 3: OP 29

No glare found

PV array 3: OP 30

No glare found

PV array 3: OP 31

No glare found

PV array 3: OP 32

No glare found

PV array 3: OP 33

No glare found

PV array 3: OP 34

No glare found

PV array 3: OP 35

No glare found

PV array 3: OP 36

No glare found

PV array 3: OP 37

No glare found

PV array 3: OP 38

No glare found

PV array 3: OP 39

No glare found

PV array 3: OP 40

No glare found

PV array 3: OP 41

No glare found

PV array 3: OP 42

No glare found

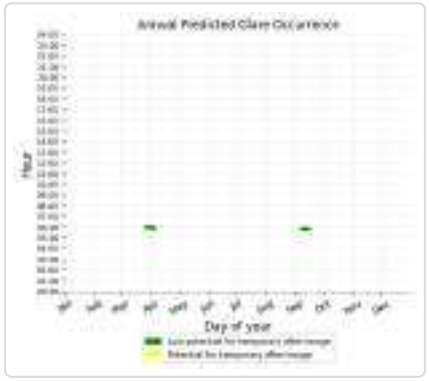
PV array 3: OP 43

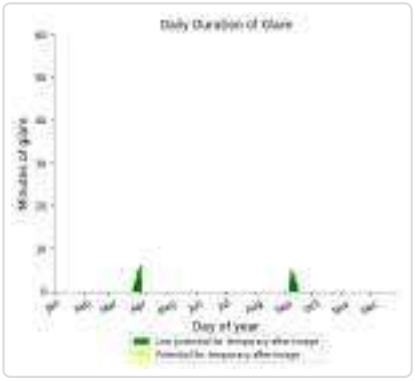
No glare found

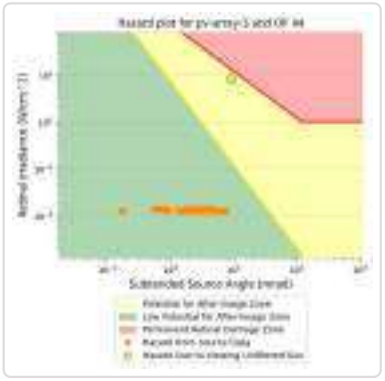
PV array 3: OP 44

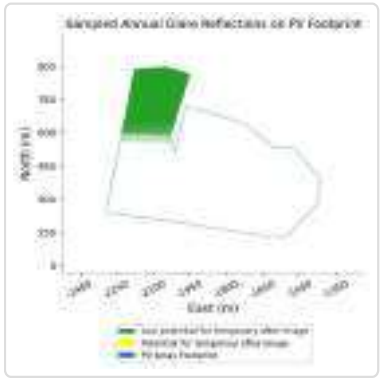
PV array is expected to produce the following glare for this receptor:

- 68 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





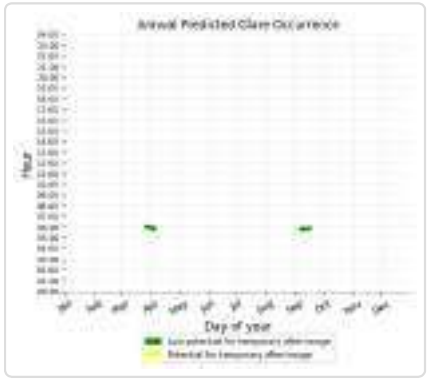


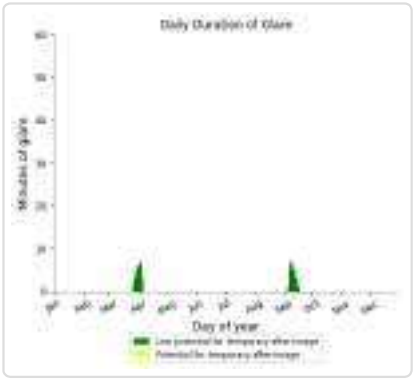


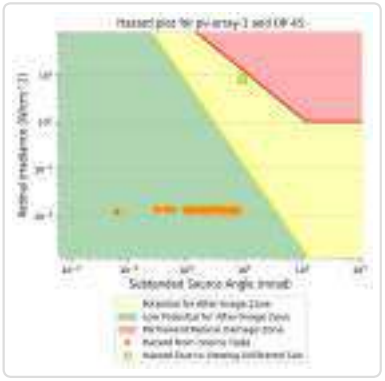
PV array 3: OP 45

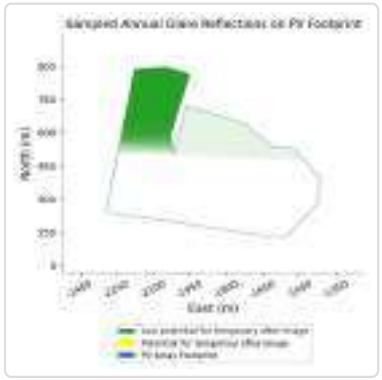
PV array is expected to produce the following glare for this receptor:

- 102 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





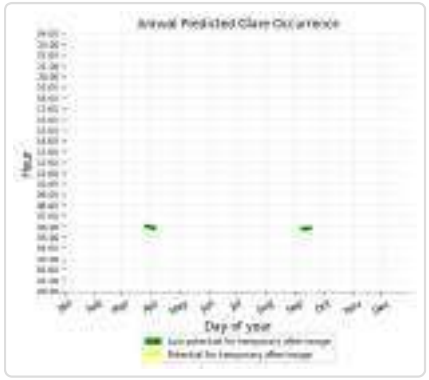


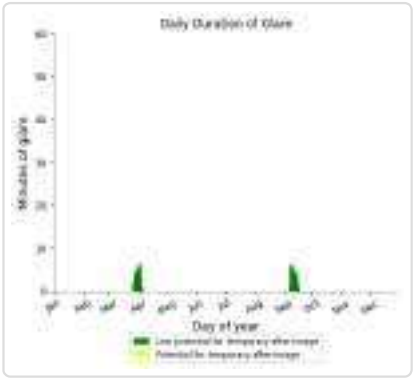


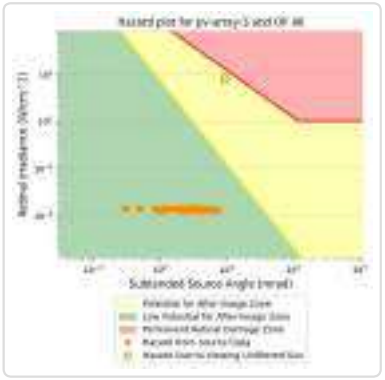
PV array 3: OP 46

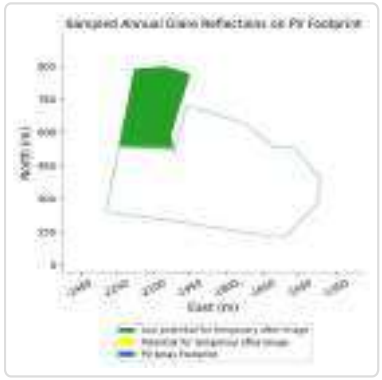
PV array is expected to produce the following glare for this receptor:

- 94 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 3: OP 47

No glare found

PV array 3: OP 48

No glare found

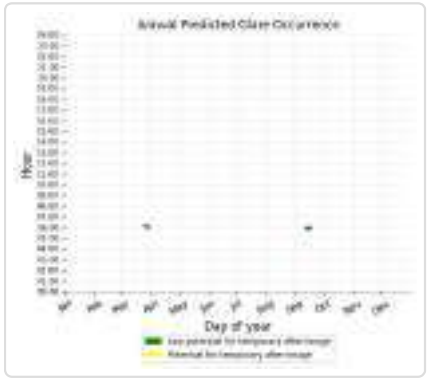
PV array 3: OP 49

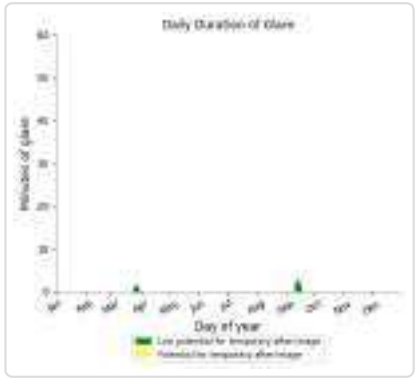
No glare found

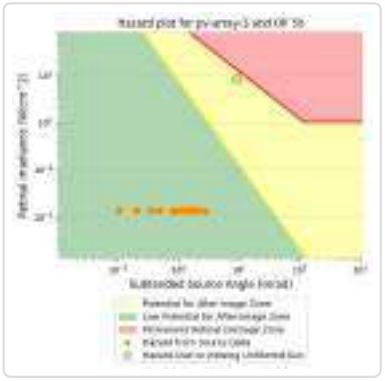
PV array 3: OP 50

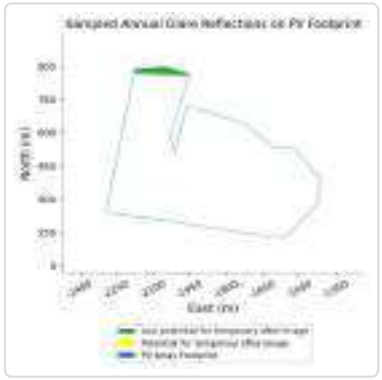
PV array is expected to produce the following glare for this receptor:

- 20 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









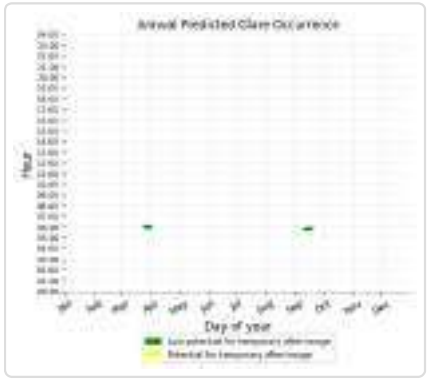
PV array 3: OP 51

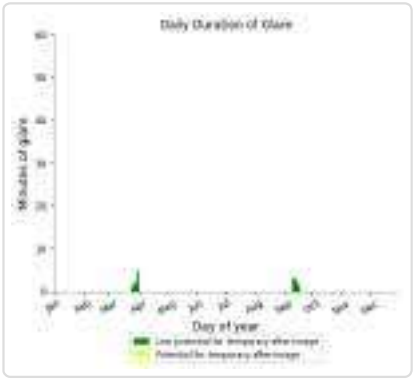
No glare found

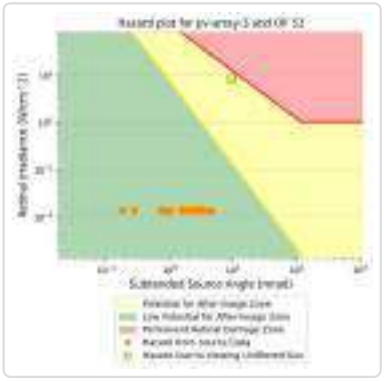
PV array 3: OP 52

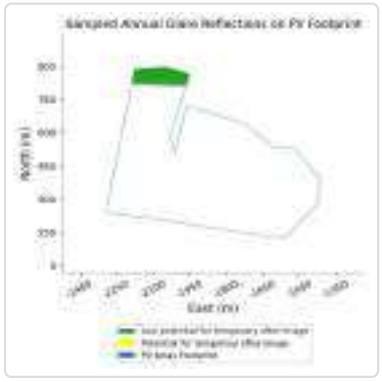
PV array is expected to produce the following glare for this receptor:

- 36 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





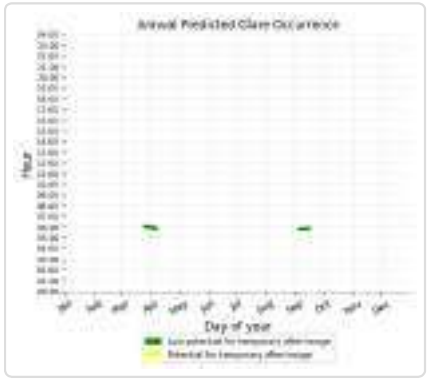


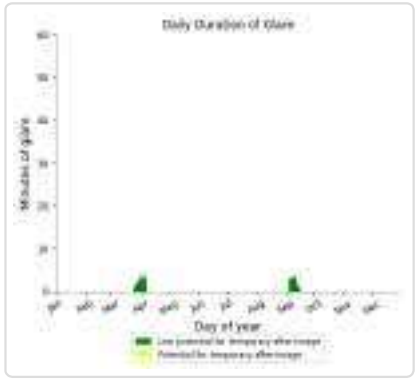


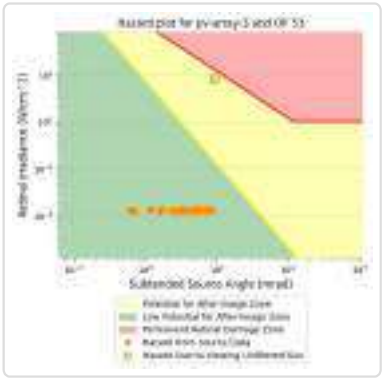
PV array 3: OP 53

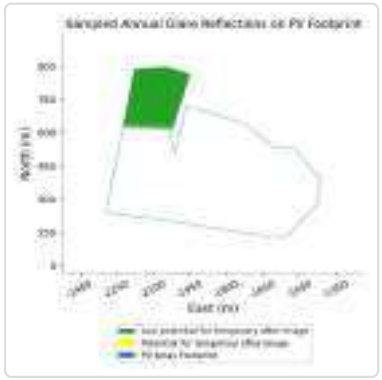
PV array is expected to produce the following glare for this receptor:

- 65 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





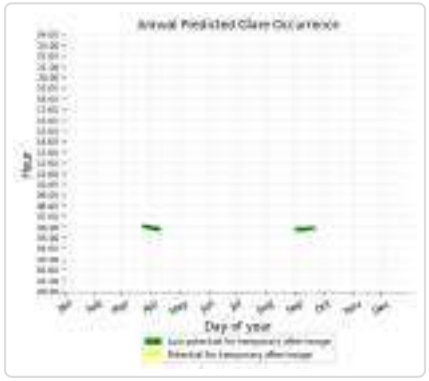


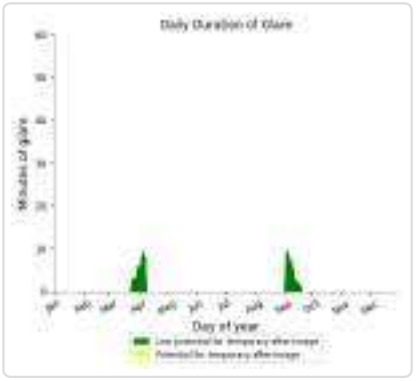


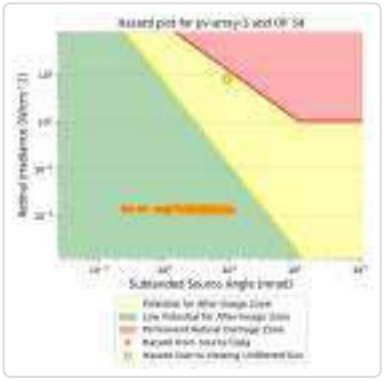
PV array 3: OP 54

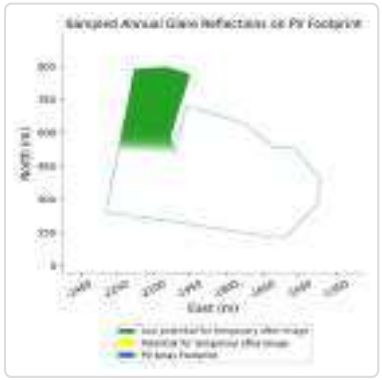
PV array is expected to produce the following glare for this receptor:

- 189 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





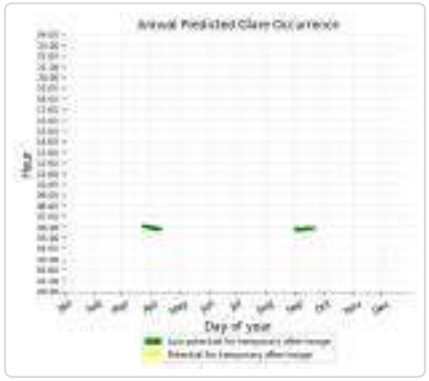


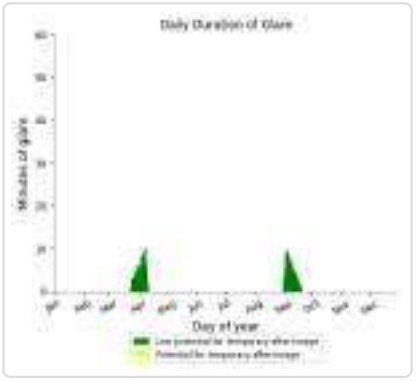


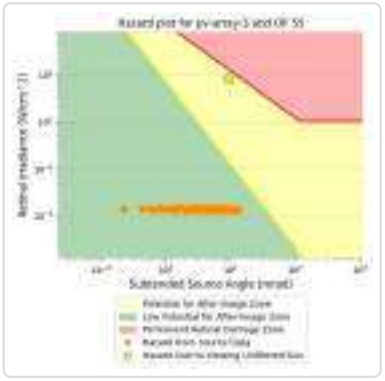
PV array 3: OP 55

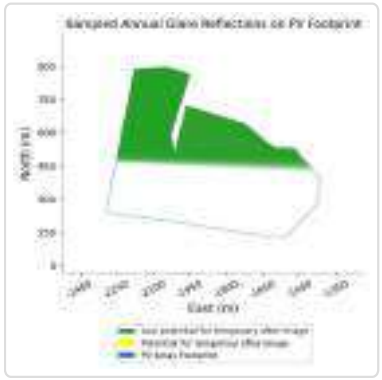
PV array is expected to produce the following glare for this receptor:

- 216 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





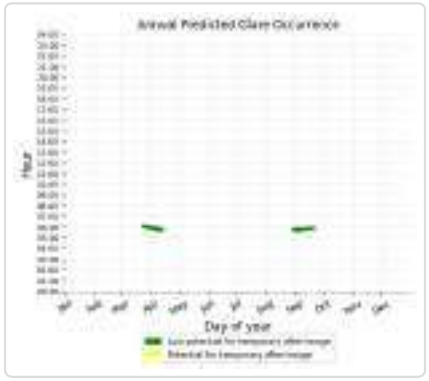


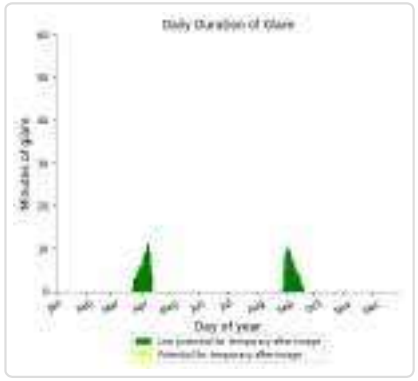


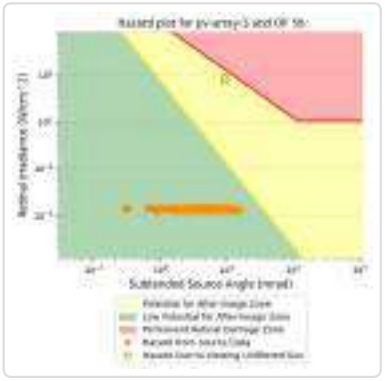
PV array 3: OP 56

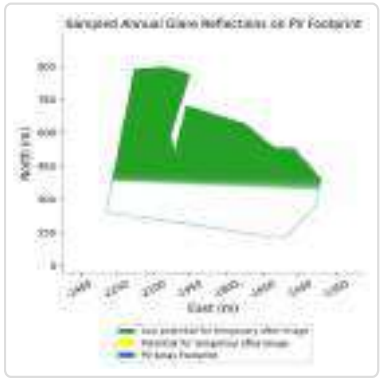
PV array is expected to produce the following glare for this receptor:

- 275 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





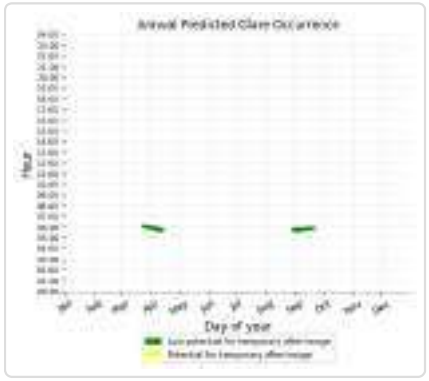


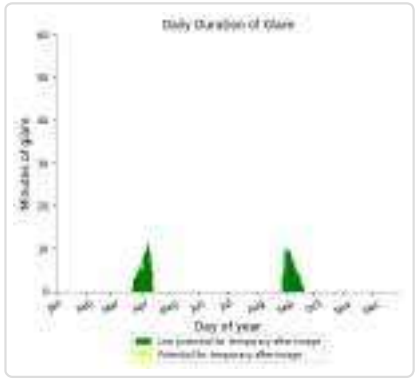


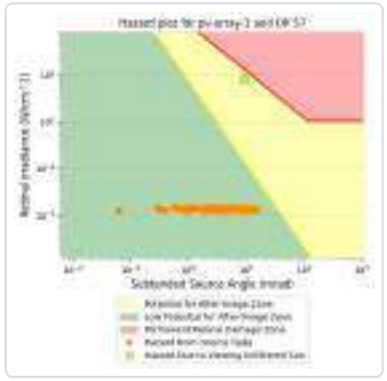
PV array 3: OP 57

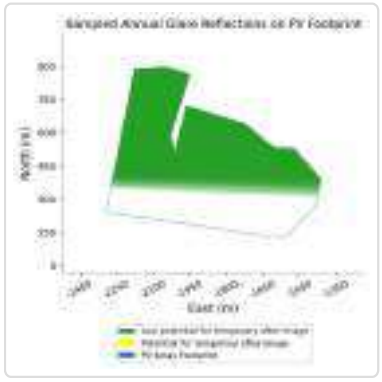
PV array is expected to produce the following glare for this receptor:

- 277 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





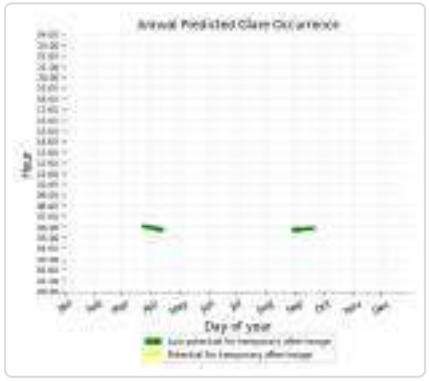


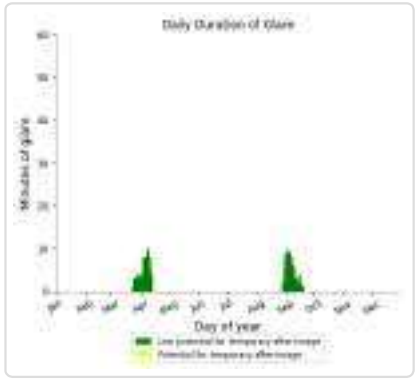


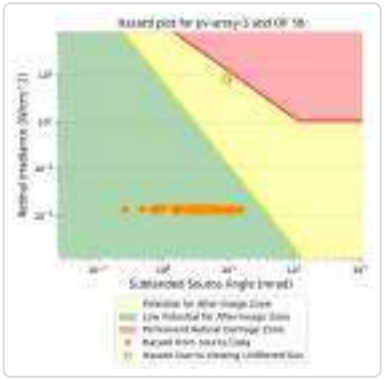
PV array 3: OP 58

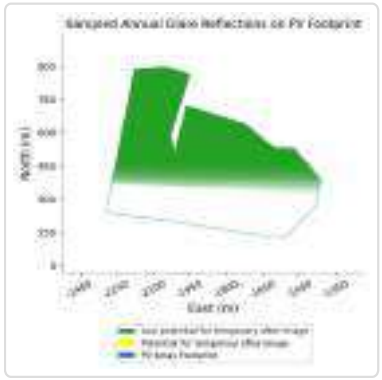
PV array is expected to produce the following glare for this receptor:

- 244 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





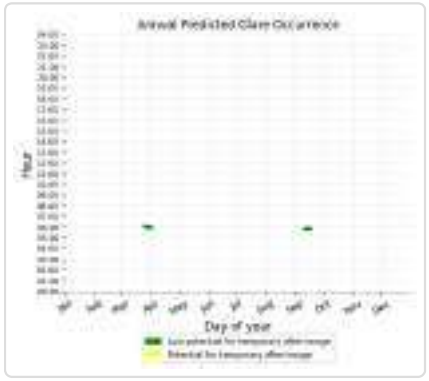


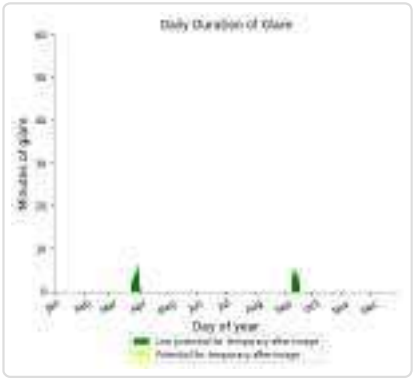


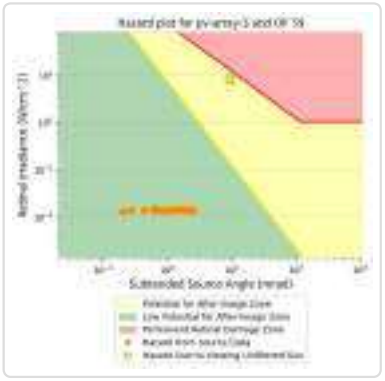
PV array 3: OP 59

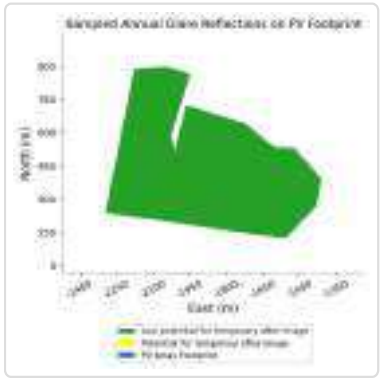
PV array is expected to produce the following glare for this receptor:

- 64 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





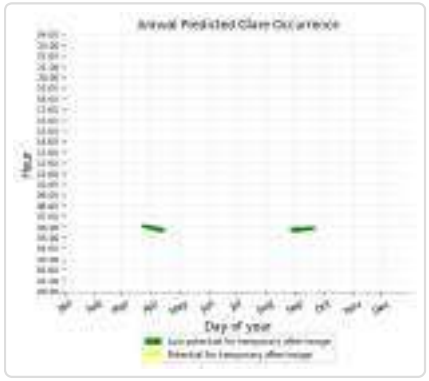


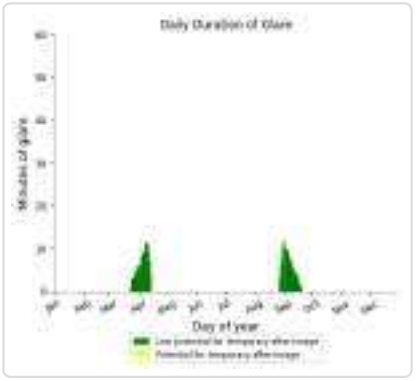


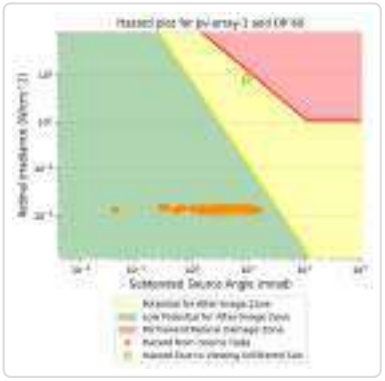
PV array 3: OP 60

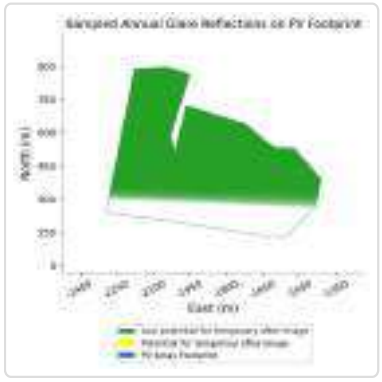
PV array is expected to produce the following glare for this receptor:

- 305 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





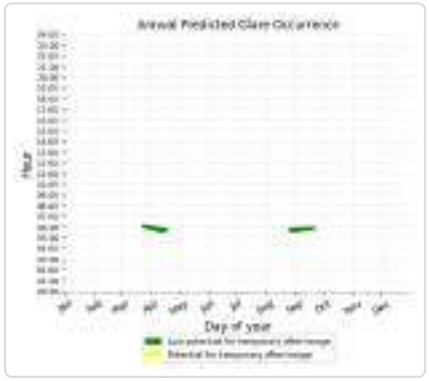


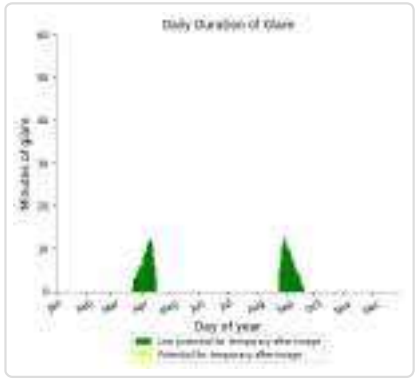


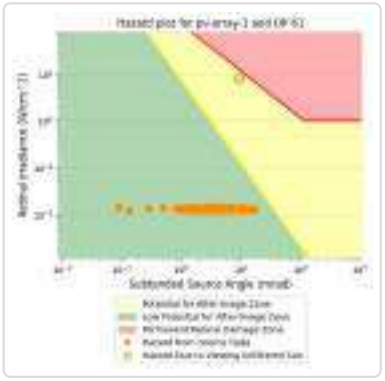
PV array 3: OP 61

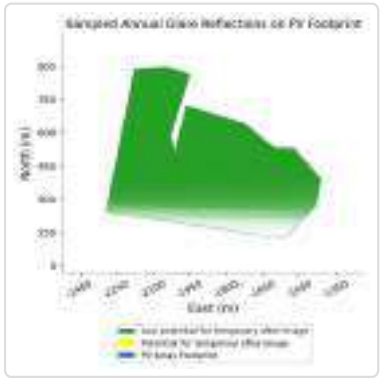
PV array is expected to produce the following glare for this receptor:

- 368 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





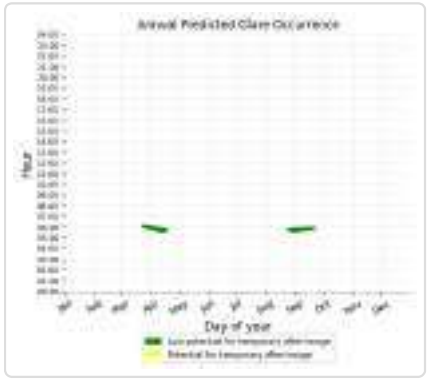


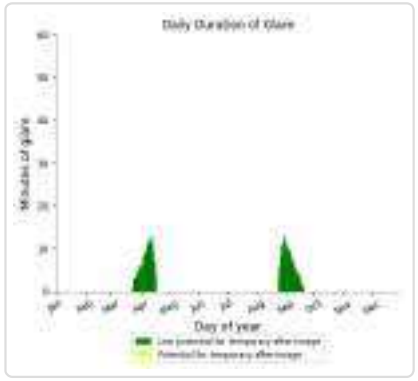


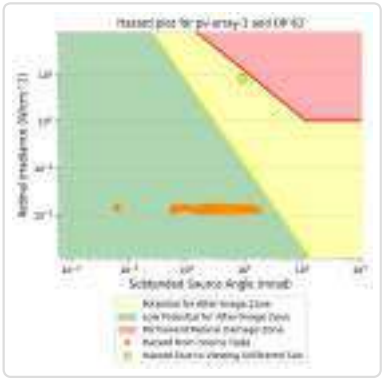
PV array 3: OP 62

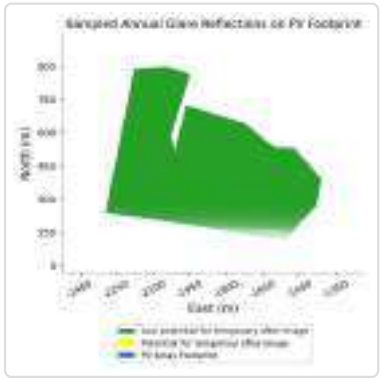
PV array is expected to produce the following glare for this receptor:

- 379 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





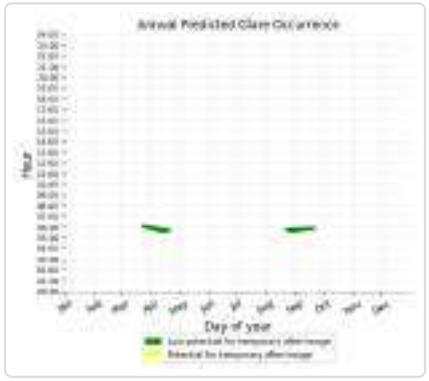


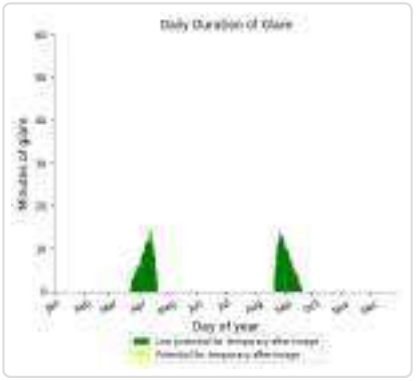


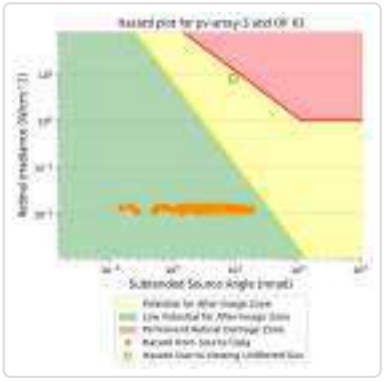
PV array 3: OP 63

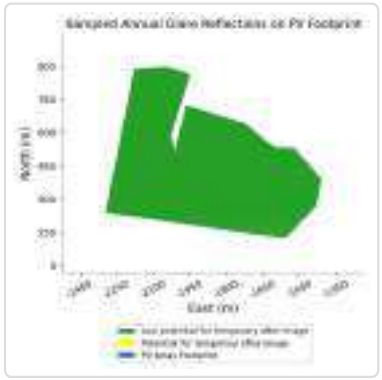
PV array is expected to produce the following glare for this receptor:

- 439 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





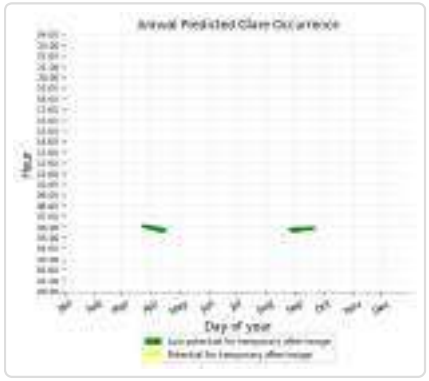


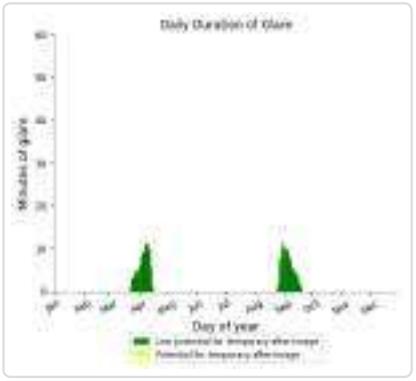


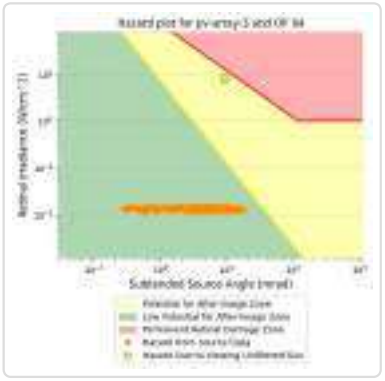
PV array 3: OP 64

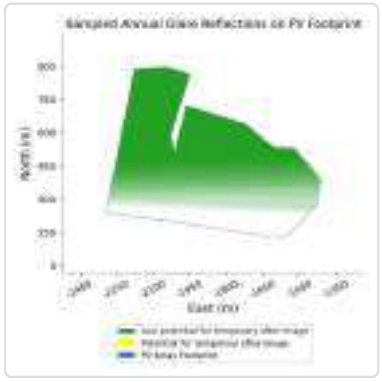
PV array is expected to produce the following glare for this receptor:

- 320 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





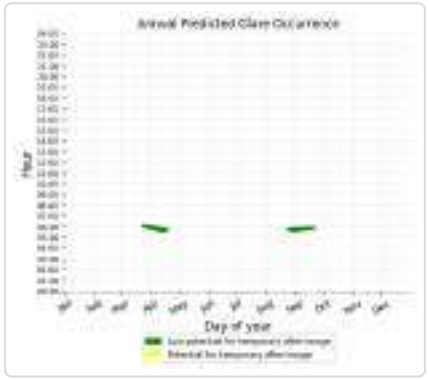


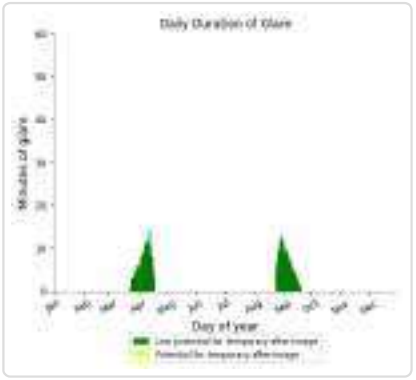


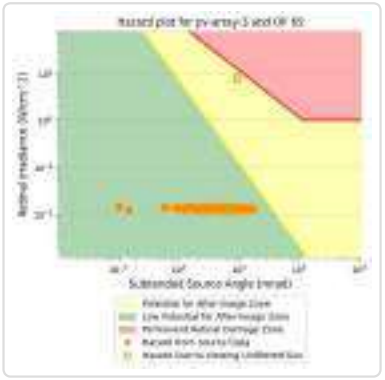
PV array 3: OP 65

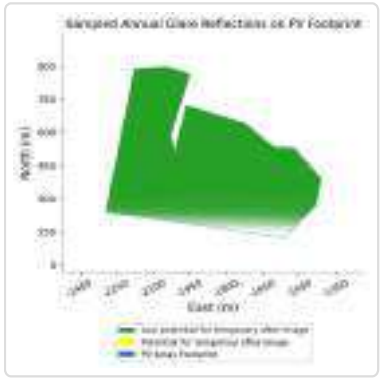
PV array is expected to produce the following glare for this receptor:

- 385 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 4 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0

OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0

OP: OP 44	192	0
OP: OP 45	233	0
OP: OP 46	225	0
OP: OP 47	0	0
OP: OP 48	38	0
OP: OP 49	83	0
OP: OP 50	141	0
OP: OP 51	122	0
OP: OP 52	184	0
OP: OP 53	329	0
OP: OP 54	423	0
OP: OP 55	466	0
OP: OP 56	516	0
OP: OP 57	557	0
OP: OP 58	535	0
OP: OP 59	55	0
OP: OP 60	560	0
OP: OP 61	644	0
OP: OP 62	652	0
OP: OP 63	722	0
OP: OP 64	636	0
OP: OP 65	703	0

PV array 4: OP 1

No glare found

PV array 4: OP 2

No glare found

PV array 4: OP 3

No glare found

PV array 4: OP 4

No glare found

PV array 4: OP 5

No glare found

PV array 4: OP 6

No glare found

PV array 4: OP 7

No glare found

PV array 4: OP 8

No glare found

PV array 4: OP 9

No glare found

PV array 4: OP 10

No glare found

PV array 4: OP 11

No glare found

PV array 4: OP 12

No glare found

PV array 4: OP 13

No glare found

PV array 4: OP 14

No glare found

PV array 4: OP 15

No glare found

PV array 4: OP 16

No glare found

PV array 4: OP 17

No glare found

PV array 4: OP 18

No glare found

PV array 4: OP 19

No glare found

PV array 4: OP 20

No glare found

PV array 4: OP 21

No glare found

PV array 4: OP 22

No glare found

PV array 4: OP 23

No glare found

PV array 4: OP 24

No glare found

PV array 4: OP 25

No glare found

PV array 4: OP 26

No glare found

PV array 4: OP 27

No glare found

PV array 4: OP 28

No glare found

PV array 4: OP 29

No glare found

PV array 4: OP 30

No glare found

PV array 4: OP 31

No glare found

PV array 4: OP 32

No glare found

PV array 4: OP 33

No glare found

PV array 4: OP 34

No glare found

PV array 4: OP 35

No glare found

PV array 4: OP 36

No glare found

PV array 4: OP 37

No glare found

PV array 4: OP 38

No glare found

PV array 4: OP 39

No glare found

PV array 4: OP 40

No glare found

PV array 4: OP 41

No glare found

PV array 4: OP 42

No glare found

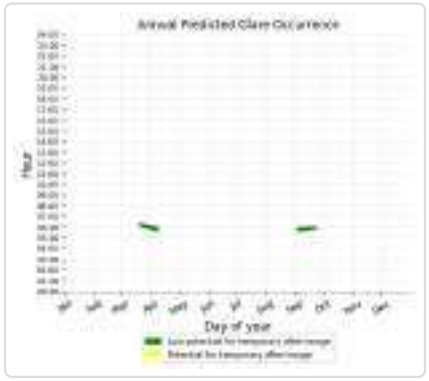
PV array 4: OP 43

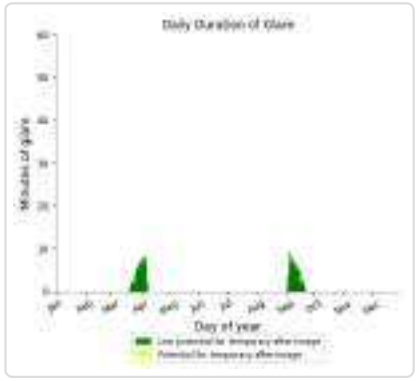
No glare found

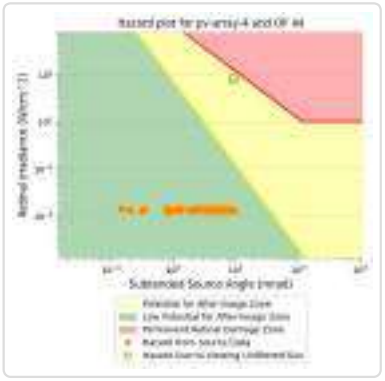
PV array 4: OP 44

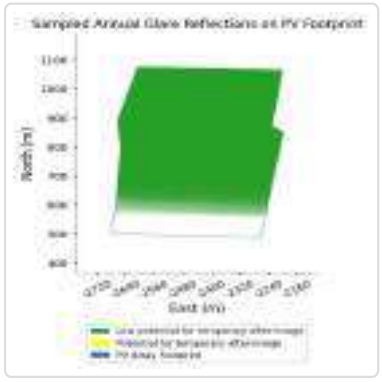
PV array is expected to produce the following glare for this receptor:

- 192 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





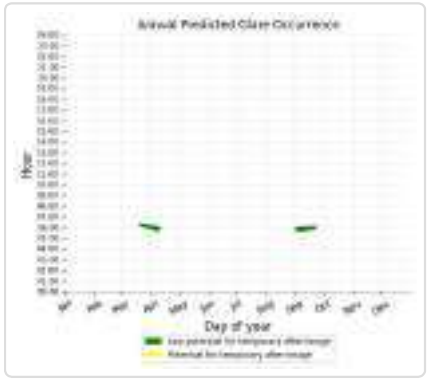


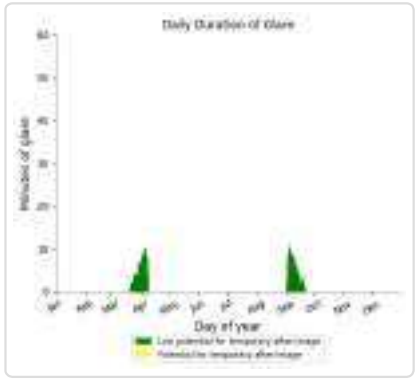


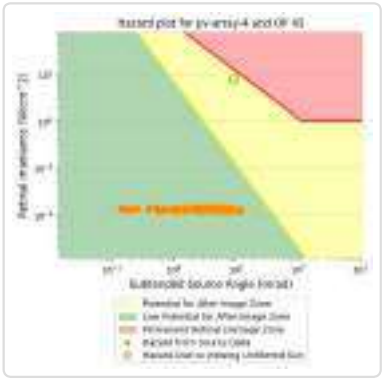
PV array 4: OP 45

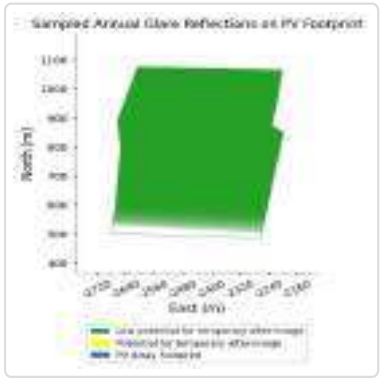
PV array is expected to produce the following glare for this receptor:

- 233 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





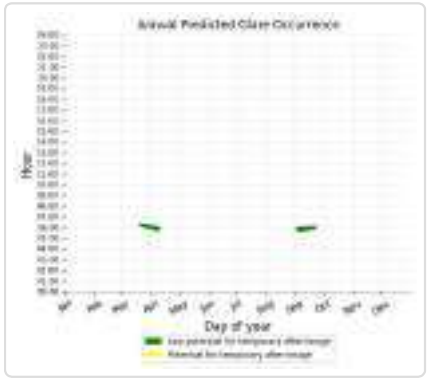


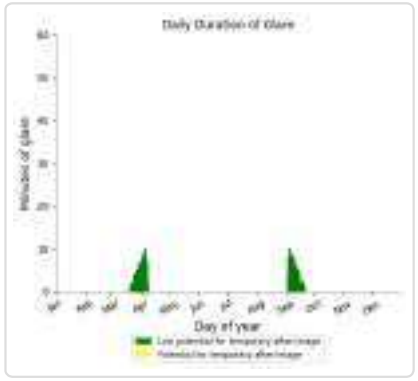


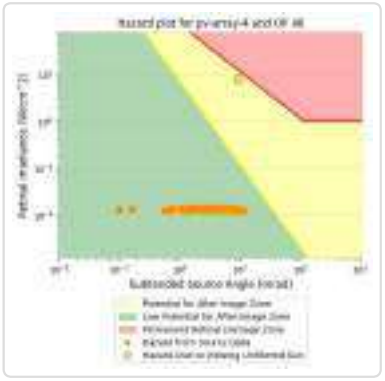
PV array 4: OP 46

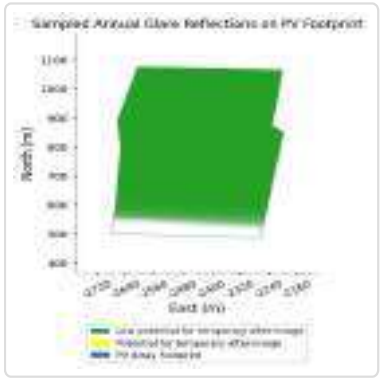
PV array is expected to produce the following glare for this receptor:

- 225 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









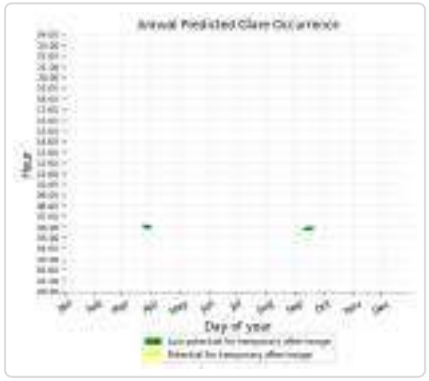
PV array 4: OP 47

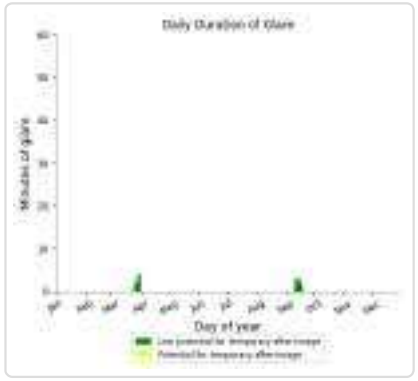
No glare found

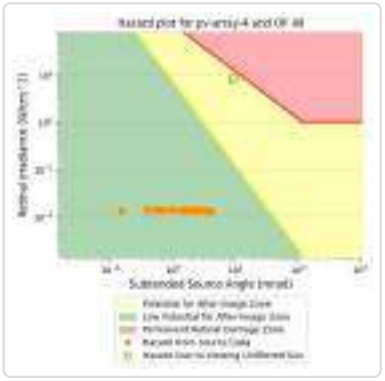
PV array 4: OP 48

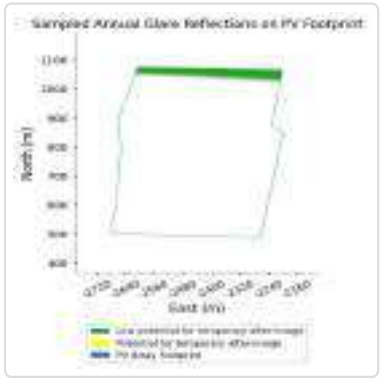
PV array is expected to produce the following glare for this receptor:

- 38 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





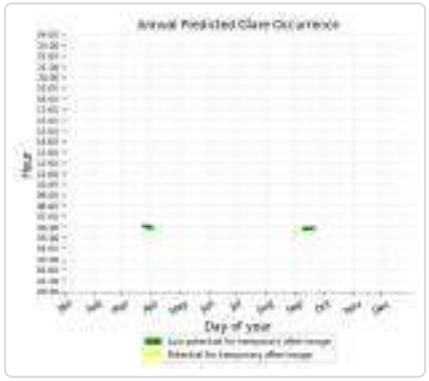


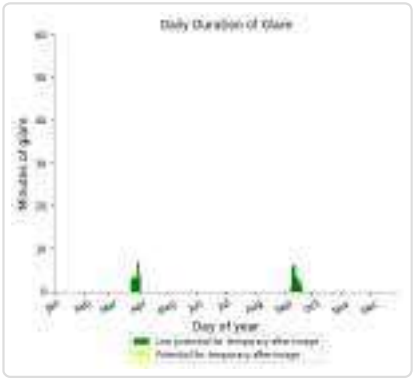


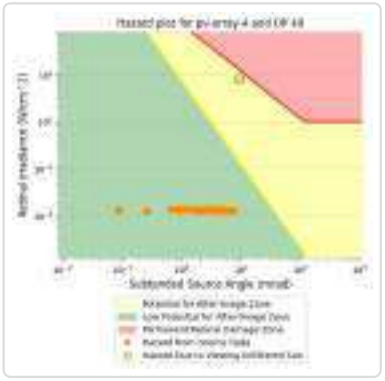
PV array 4: OP 49

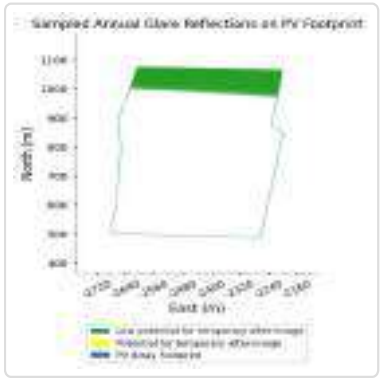
PV array is expected to produce the following glare for this receptor:

- 83 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





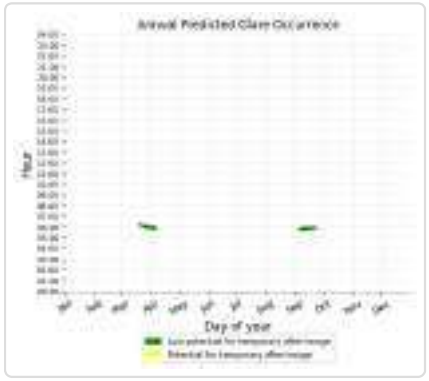


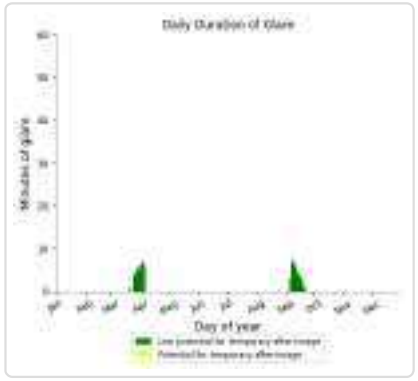


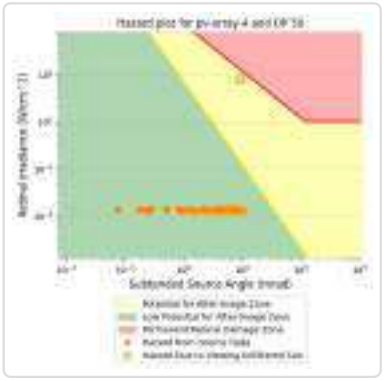
PV array 4: OP 50

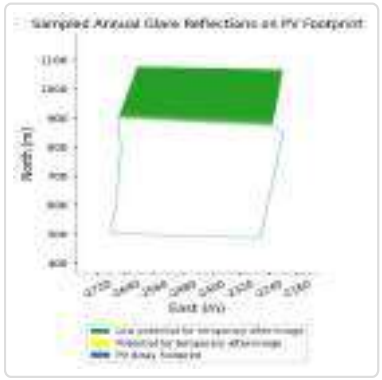
PV array is expected to produce the following glare for this receptor:

- 141 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





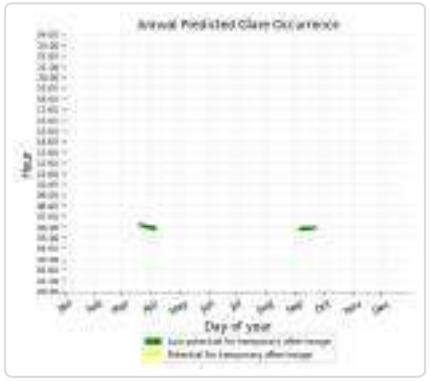


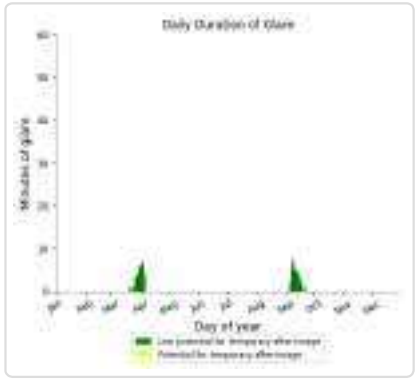


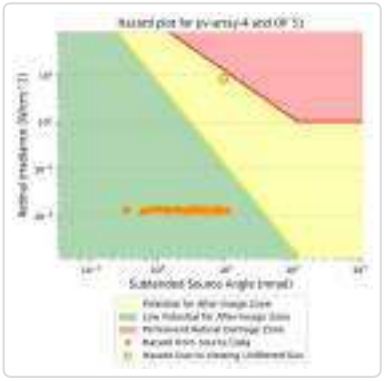
PV array 4: OP 51

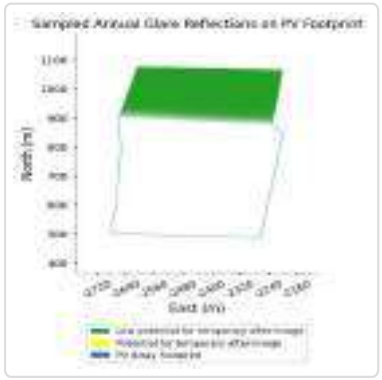
PV array is expected to produce the following glare for this receptor:

- 122 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





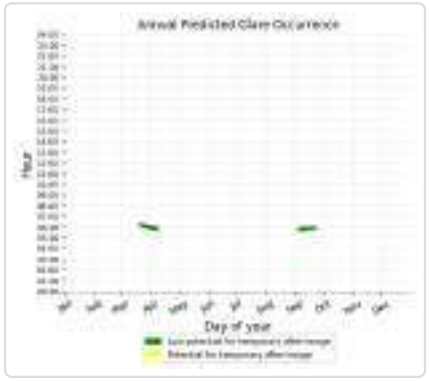


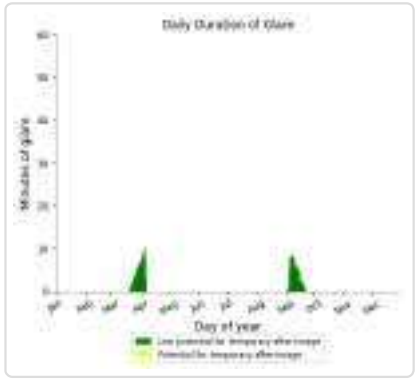


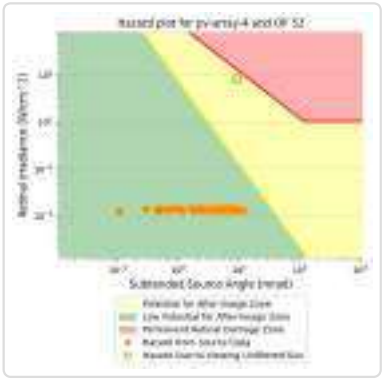
PV array 4: OP 52

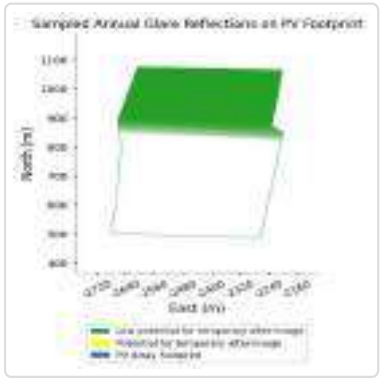
PV array is expected to produce the following glare for this receptor:

- 184 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





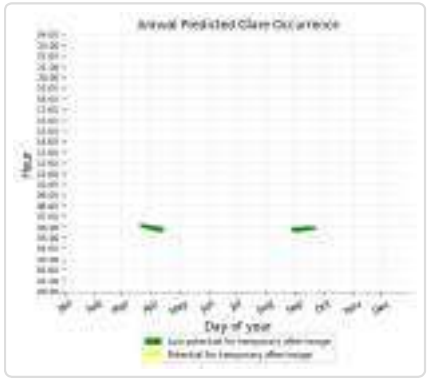


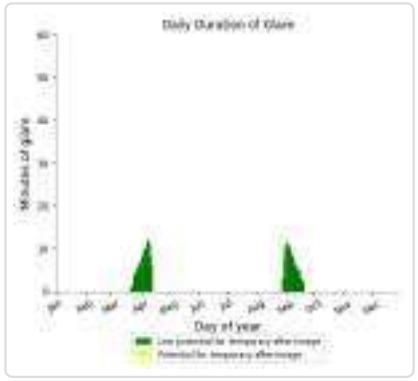


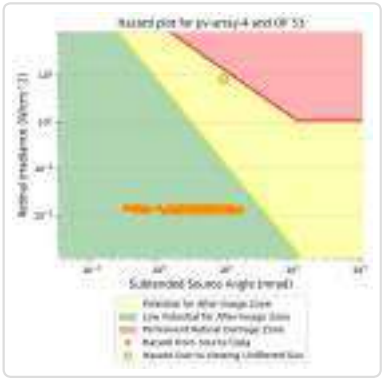
PV array 4: OP 53

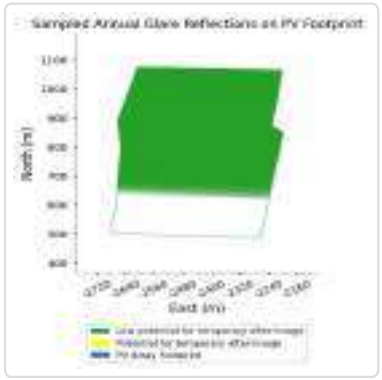
PV array is expected to produce the following glare for this receptor:

- 329 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





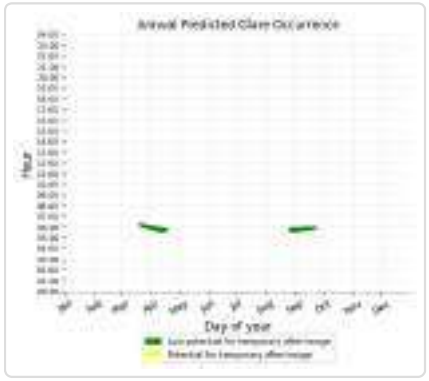


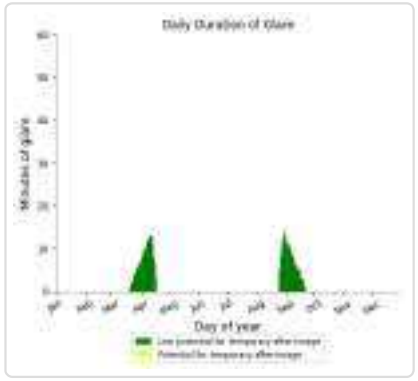


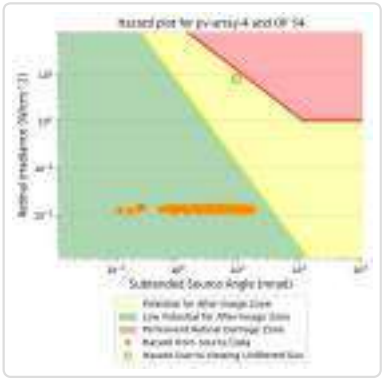
PV array 4: OP 54

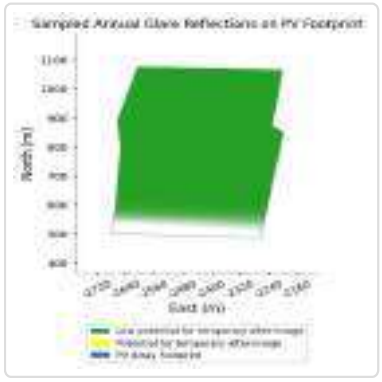
PV array is expected to produce the following glare for this receptor:

- 423 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





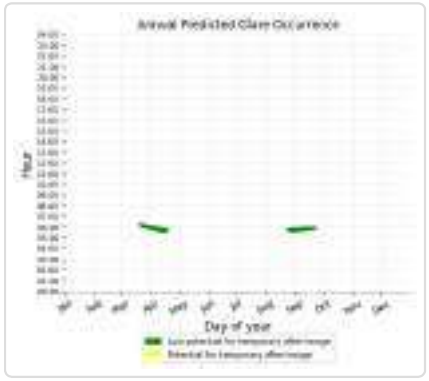


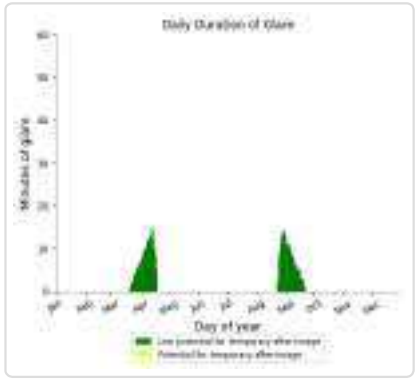


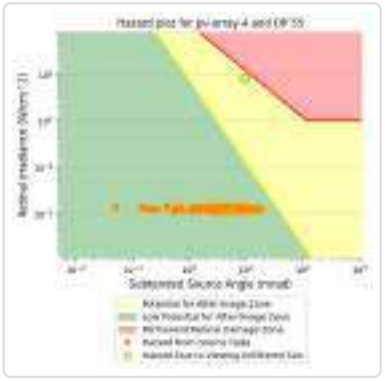
PV array 4: OP 55

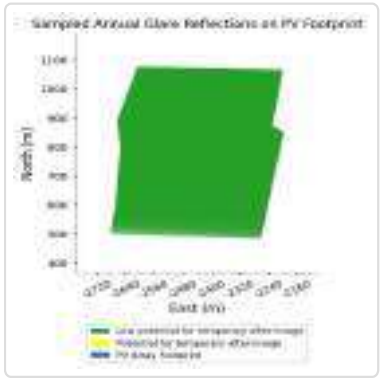
PV array is expected to produce the following glare for this receptor:

- 466 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





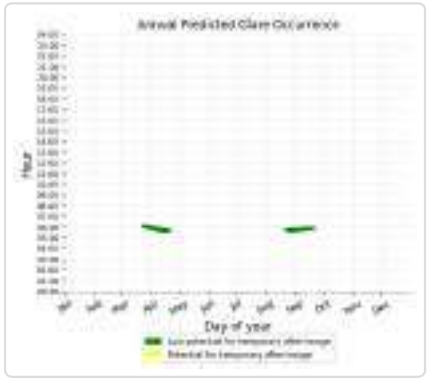


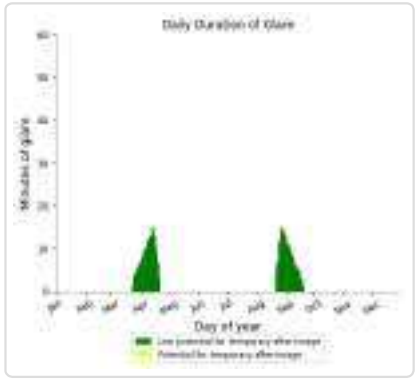


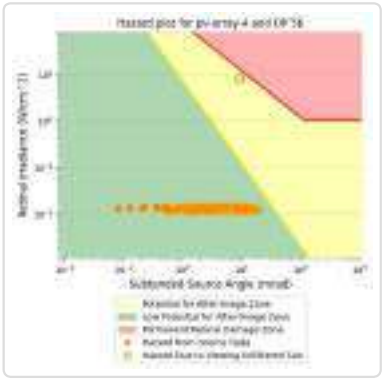
PV array 4: OP 56

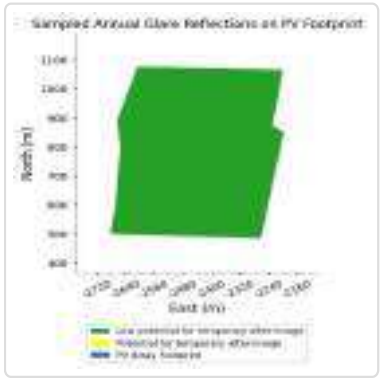
PV array is expected to produce the following glare for this receptor:

- 516 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





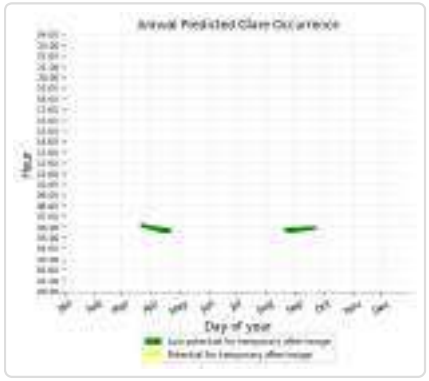


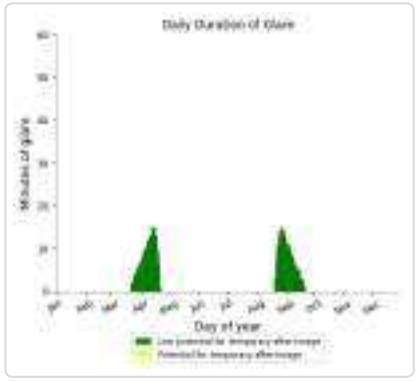


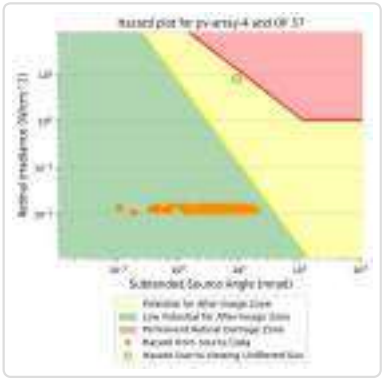
PV array 4: OP 57

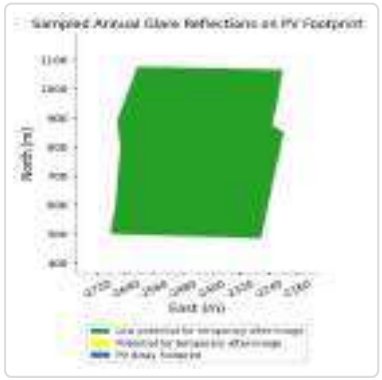
PV array is expected to produce the following glare for this receptor:

- 557 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





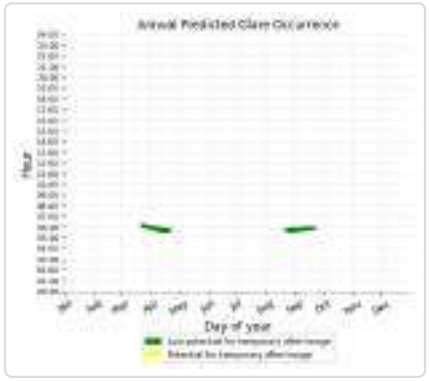


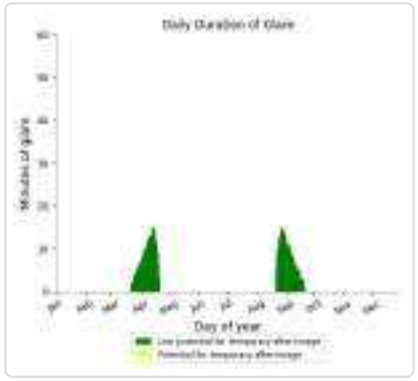


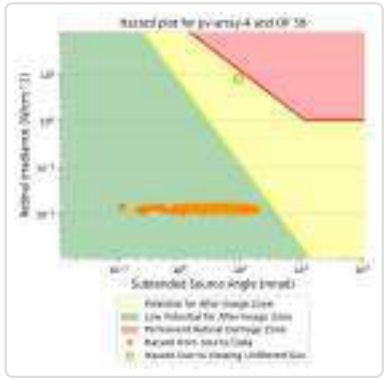
PV array 4: OP 58

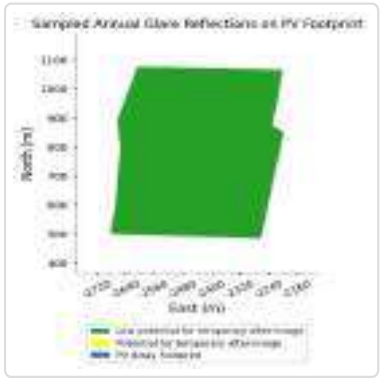
PV array is expected to produce the following glare for this receptor:

- 535 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





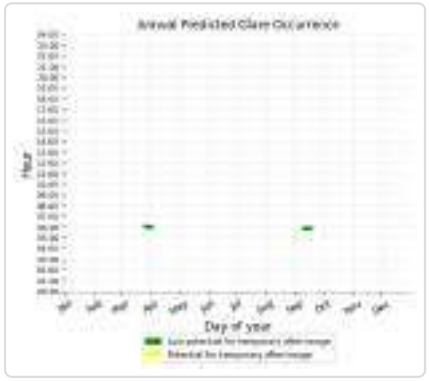


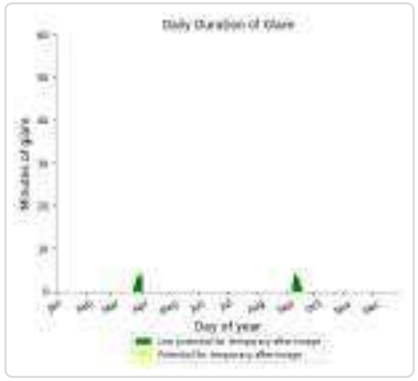


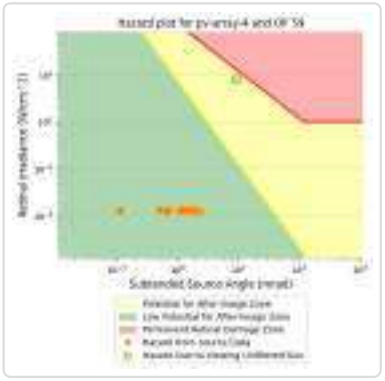
PV array 4: OP 59

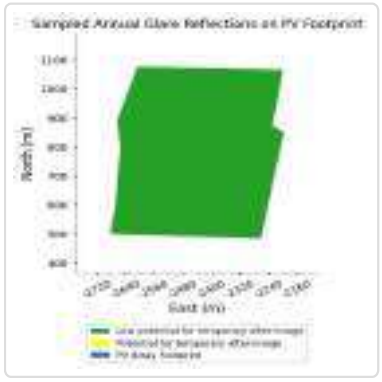
PV array is expected to produce the following glare for this receptor:

- 55 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





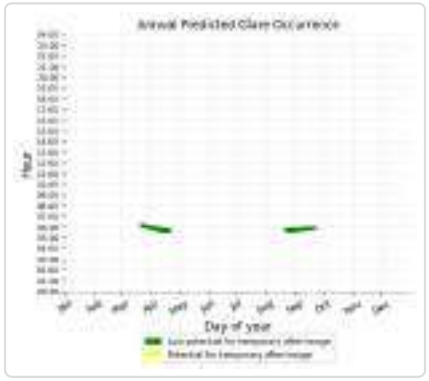


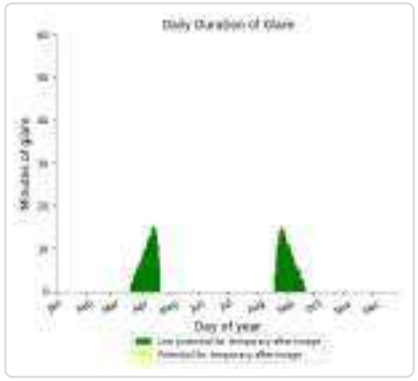


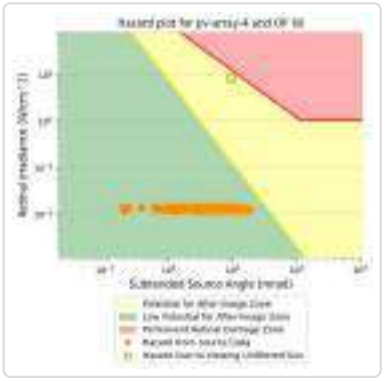
PV array 4: OP 60

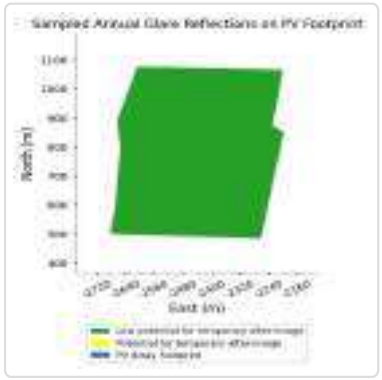
PV array is expected to produce the following glare for this receptor:

- 560 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





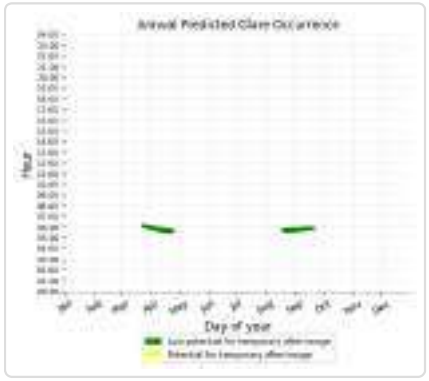


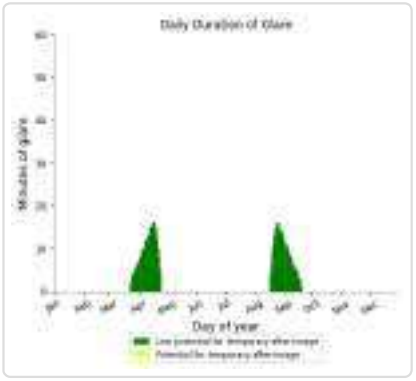


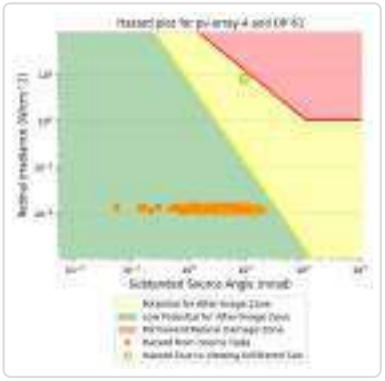
PV array 4: OP 61

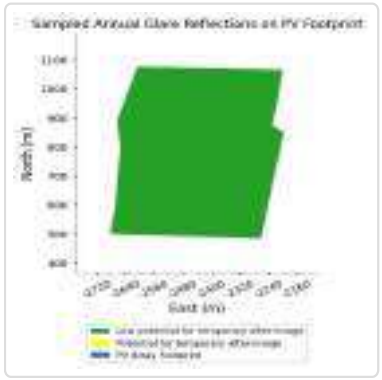
PV array is expected to produce the following glare for this receptor:

- 644 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





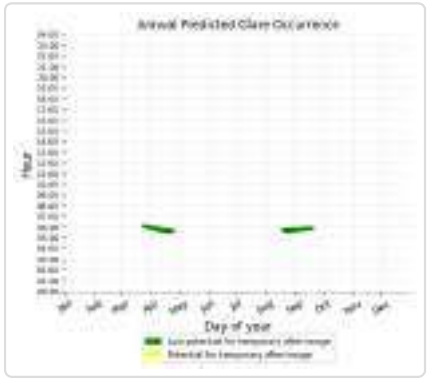


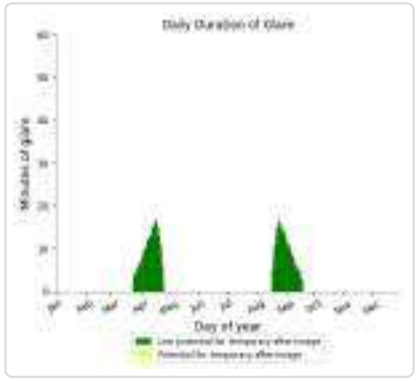


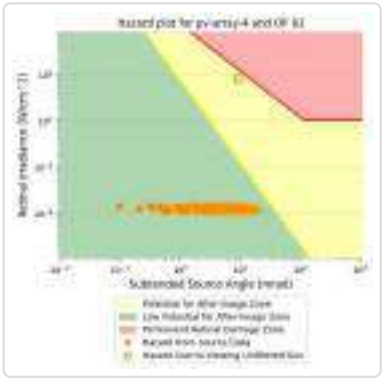
PV array 4: OP 62

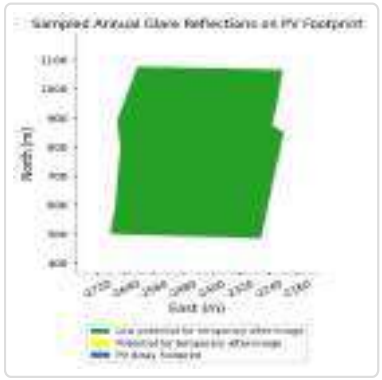
PV array is expected to produce the following glare for this receptor:

- 652 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





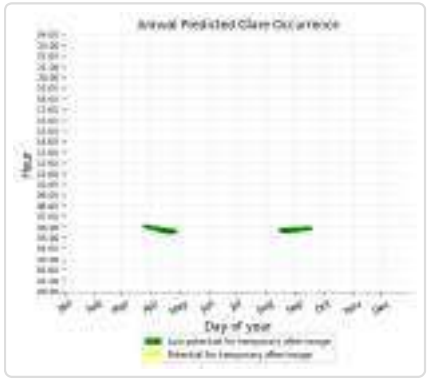


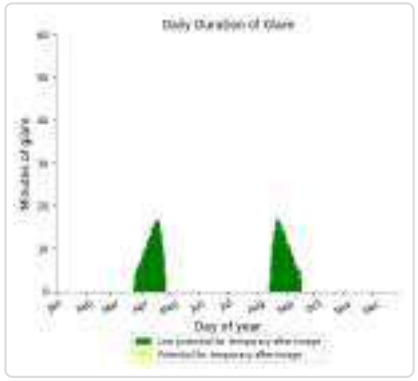


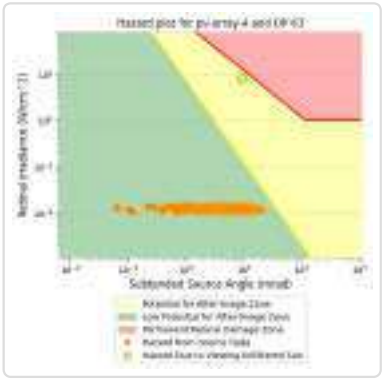
PV array 4: OP 63

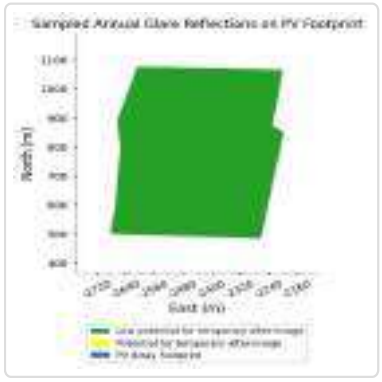
PV array is expected to produce the following glare for this receptor:

- 722 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





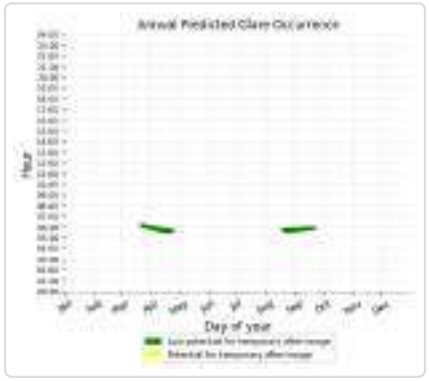


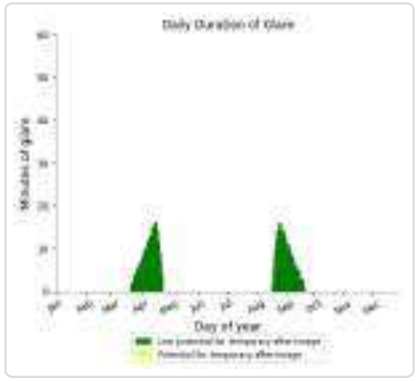


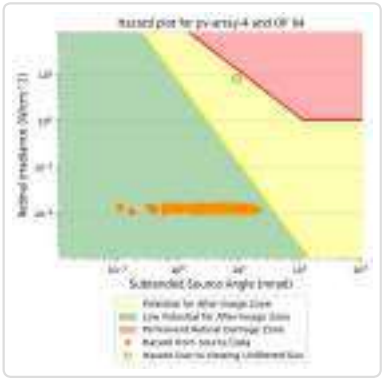
PV array 4: OP 64

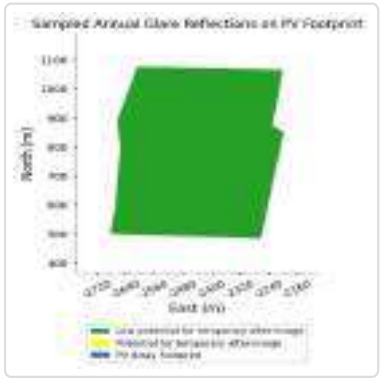
PV array is expected to produce the following glare for this receptor:

- 636 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





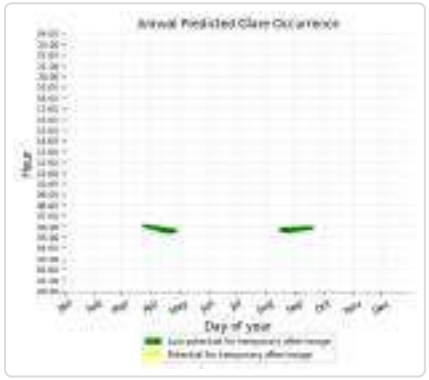


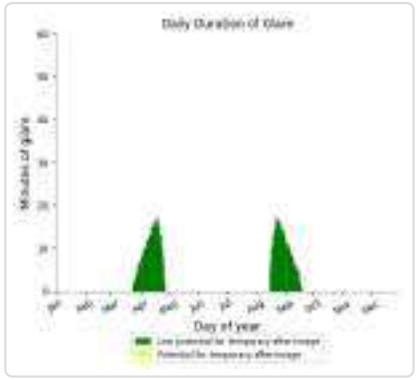


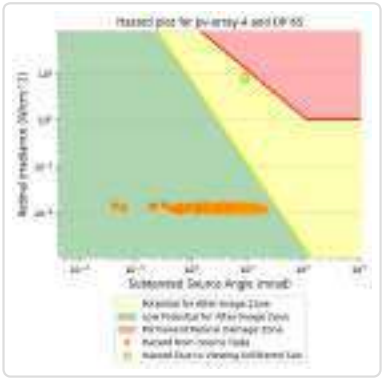
PV array 4: OP 65

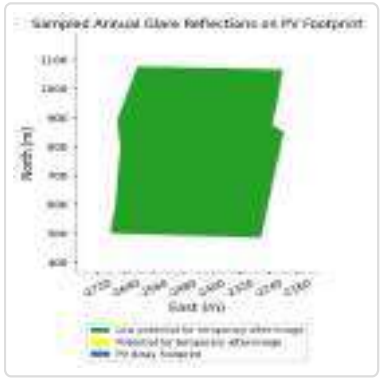
PV array is expected to produce the following glare for this receptor:

- 703 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0

OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0

OP: OP 44	332	0
OP: OP 45	317	0
OP: OP 46	382	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	119	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	530	0
OP: OP 65	753	0

PV array 5: OP 1

No glare found

PV array 5: OP 2

No glare found

PV array 5: OP 3

No glare found

PV array 5: OP 4

No glare found

PV array 5: OP 5

No glare found

PV array 5: OP 6

No glare found

PV array 5: OP 7

No glare found

PV array 5: OP 8

No glare found

PV array 5: OP 9

No glare found

PV array 5: OP 10

No glare found

PV array 5: OP 11

No glare found

PV array 5: OP 12

No glare found

PV array 5: OP 13

No glare found

PV array 5: OP 14

No glare found

PV array 5: OP 15

No glare found

PV array 5: OP 16

No glare found

PV array 5: OP 17

No glare found

PV array 5: OP 18

No glare found

PV array 5: OP 19

No glare found

PV array 5: OP 20

No glare found

PV array 5: OP 21

No glare found

PV array 5: OP 22

No glare found

PV array 5: OP 23

No glare found

PV array 5: OP 24

No glare found

PV array 5: OP 25

No glare found

PV array 5: OP 26

No glare found

PV array 5: OP 27

No glare found

PV array 5: OP 28

No glare found

PV array 5: OP 29

No glare found

PV array 5: OP 30

No glare found

PV array 5: OP 31

No glare found

PV array 5: OP 32

No glare found

PV array 5: OP 33

No glare found

PV array 5: OP 34

No glare found

PV array 5: OP 35

No glare found

PV array 5: OP 36

No glare found

PV array 5: OP 37

No glare found

PV array 5: OP 38

No glare found

PV array 5: OP 39

No glare found

PV array 5: OP 40

No glare found

PV array 5: OP 41

No glare found

PV array 5: OP 42

No glare found

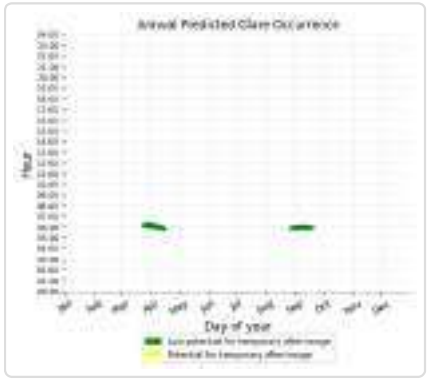
PV array 5: OP 43

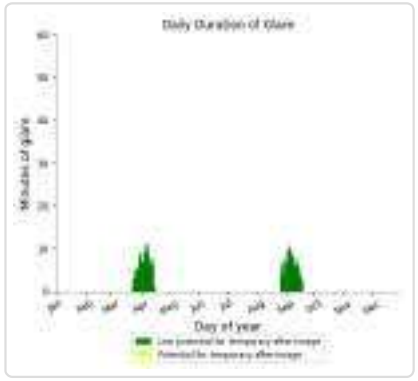
No glare found

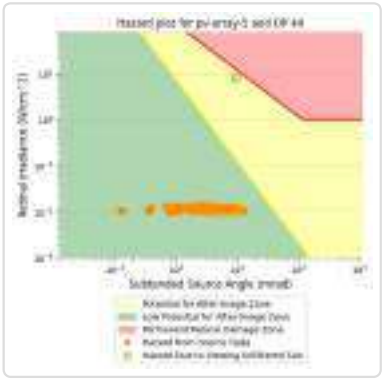
PV array 5: OP 44

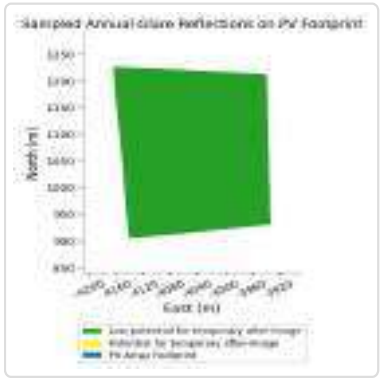
PV array is expected to produce the following glare for this receptor:

- 332 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





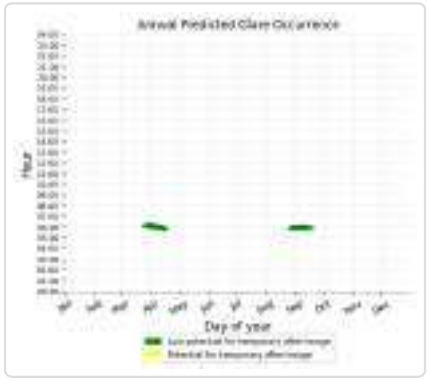


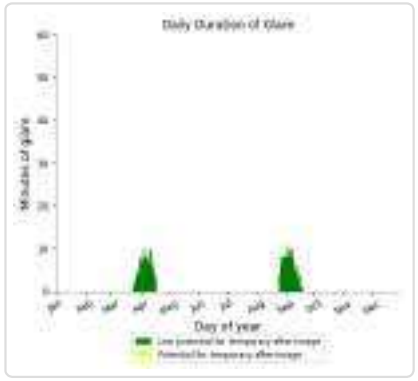


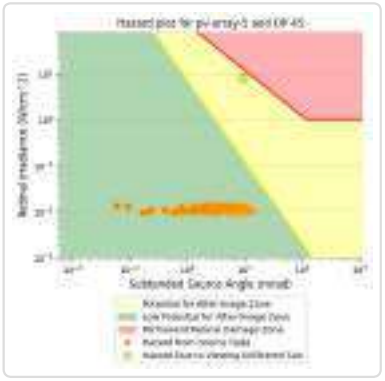
PV array 5: OP 45

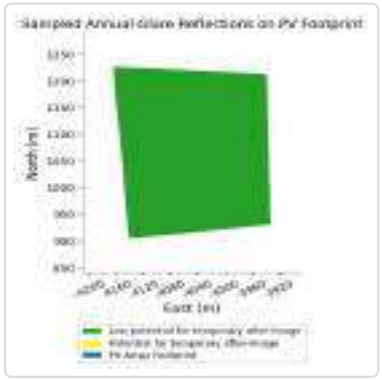
PV array is expected to produce the following glare for this receptor:

- 317 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





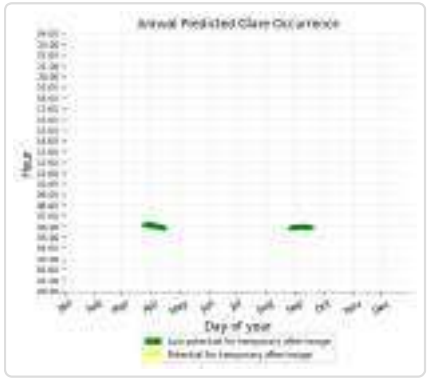


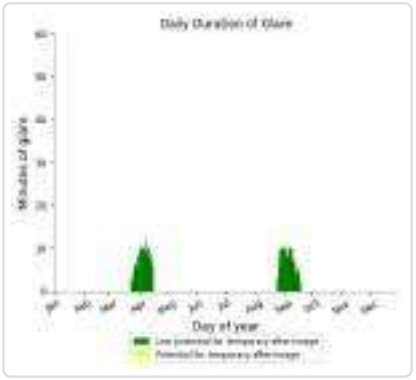


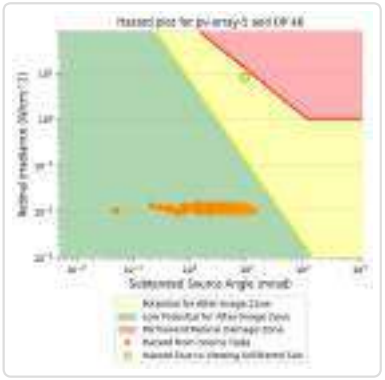
PV array 5: OP 46

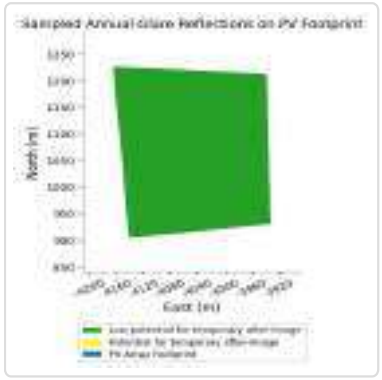
PV array is expected to produce the following glare for this receptor:

- 382 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5: OP 47

No glare found

PV array 5: OP 48

No glare found

PV array 5: OP 49

No glare found

PV array 5: OP 50

No glare found

PV array 5: OP 51

No glare found

PV array 5: OP 52

No glare found

PV array 5: OP 53

No glare found

PV array 5: OP 54

No glare found

PV array 5: OP 55

No glare found

PV array 5: OP 56

No glare found

PV array 5: OP 57

No glare found

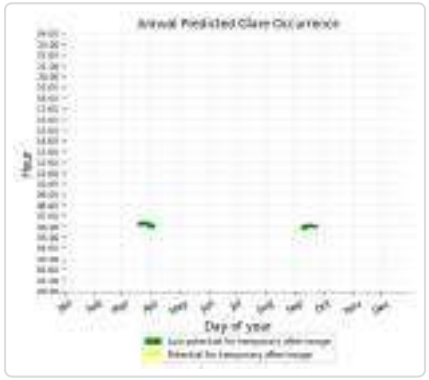
PV array 5: OP 58

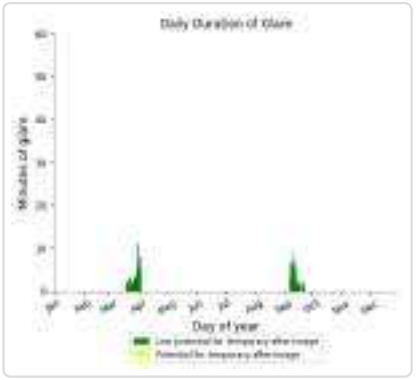
No glare found

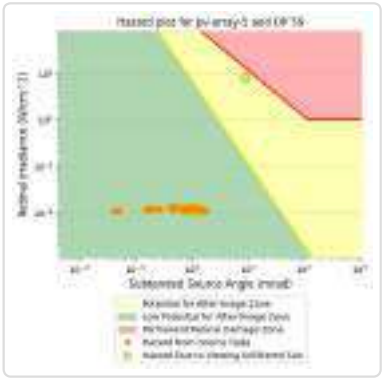
PV array 5: OP 59

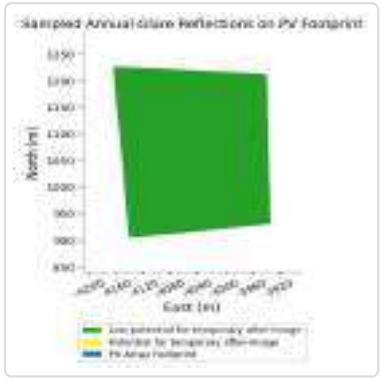
PV array is expected to produce the following glare for this receptor:

- 119 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5: OP 60

No glare found

PV array 5: OP 61

No glare found

PV array 5: OP 62

No glare found

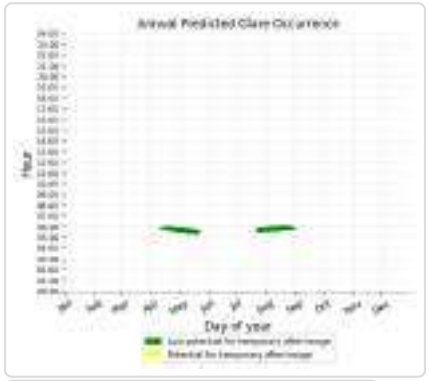
PV array 5: OP 63

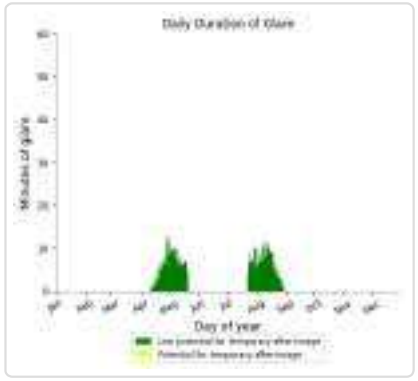
No glare found

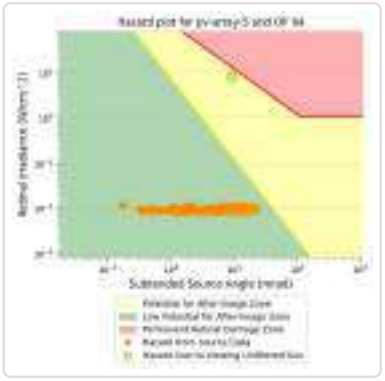
PV array 5: OP 64

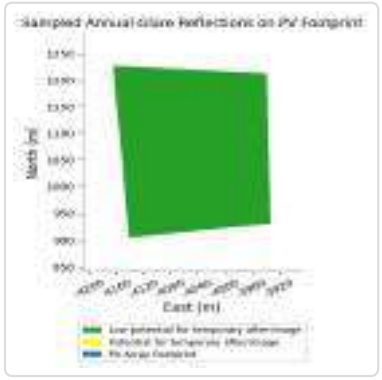
PV array is expected to produce the following glare for this receptor:

- 530 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





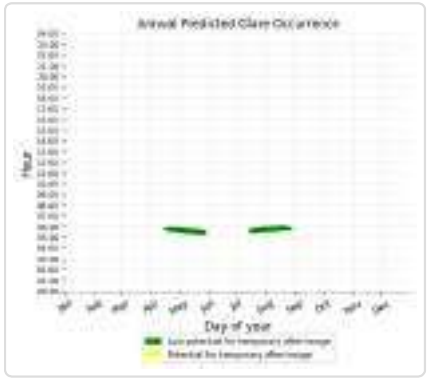


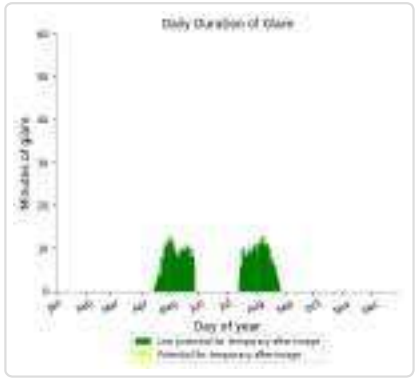


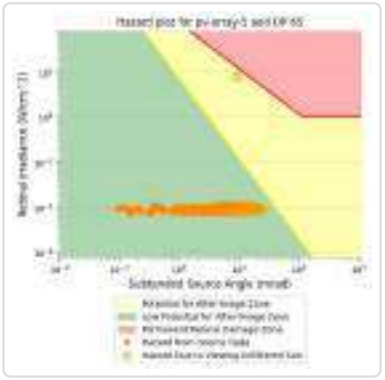
PV array 5: OP 65

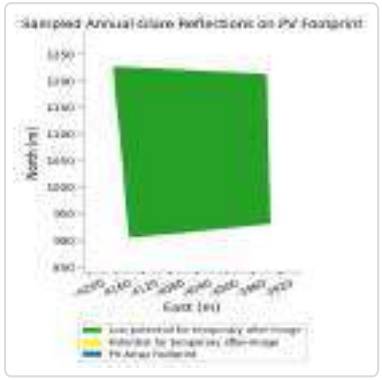
PV array is expected to produce the following glare for this receptor:

- 753 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0

OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	107	0
OP: OP 42	145	0
OP: OP 43	139	0

OP: OP 44	943	0
OP: OP 45	827	0
OP: OP 46	1018	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	1217	15
OP: OP 51	1025	0
OP: OP 52	441	0
OP: OP 53	1441	21
OP: OP 54	1233	8
OP: OP 55	24	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	27	0
OP: OP 59	188	0
OP: OP 60	30	0
OP: OP 61	24	0
OP: OP 62	30	0
OP: OP 63	1349	0
OP: OP 64	0	0
OP: OP 65	1401	37

PV array 6: OP 1

No glare found

PV array 6: OP 2

No glare found

PV array 6: OP 3

No glare found

PV array 6: OP 4

No glare found

PV array 6: OP 5

No glare found

PV array 6: OP 6

No glare found

PV array 6: OP 7

No glare found

PV array 6: OP 8

No glare found

PV array 6: OP 9

No glare found

PV array 6: OP 10

No glare found

PV array 6: OP 11

No glare found

PV array 6: OP 12

No glare found

PV array 6: OP 13

No glare found

PV array 6: OP 14

No glare found

PV array 6: OP 15

No glare found

PV array 6: OP 16

No glare found

PV array 6: OP 17

No glare found

PV array 6: OP 18

No glare found

PV array 6: OP 19

No glare found

PV array 6: OP 20

No glare found

PV array 6: OP 21

No glare found

PV array 6: OP 22

No glare found

PV array 6: OP 23

No glare found

PV array 6: OP 24

No glare found

PV array 6: OP 25

No glare found

PV array 6: OP 26

No glare found

PV array 6: OP 27

No glare found

PV array 6: OP 28

No glare found

PV array 6: OP 29

No glare found

PV array 6: OP 30

No glare found

PV array 6: OP 31

No glare found

PV array 6: OP 32

No glare found

PV array 6: OP 33

No glare found

PV array 6: OP 34

No glare found

PV array 6: OP 35

No glare found

PV array 6: OP 36

No glare found

PV array 6: OP 37

No glare found

PV array 6: OP 38

No glare found

PV array 6: OP 39

No glare found

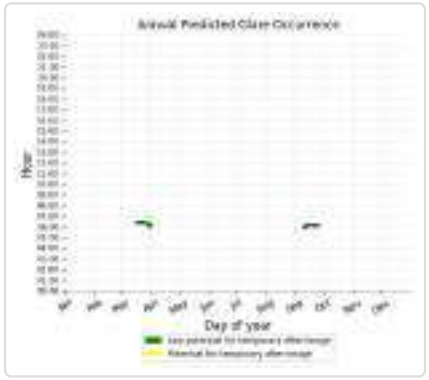
PV array 6: OP 40

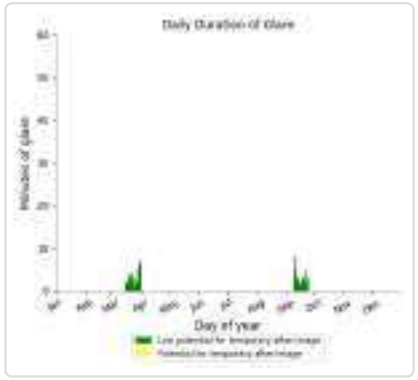
No glare found

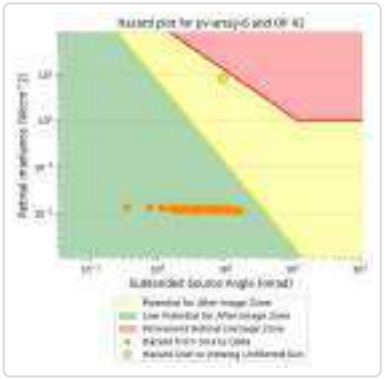
PV array 6: OP 41

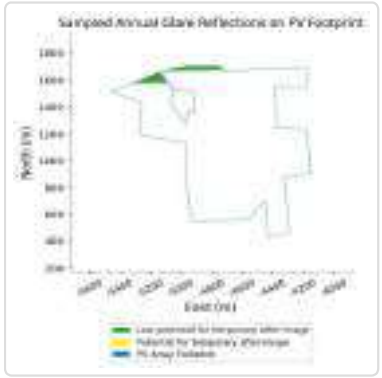
PV array is expected to produce the following glare for this receptor:

- 107 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





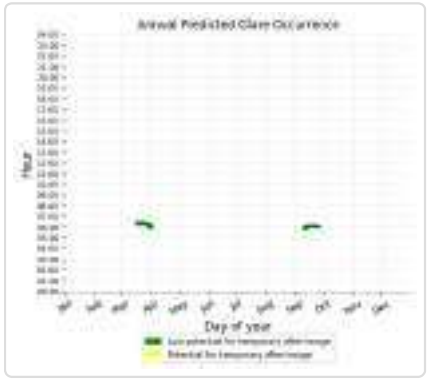


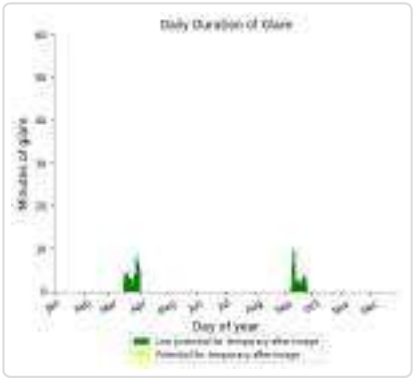


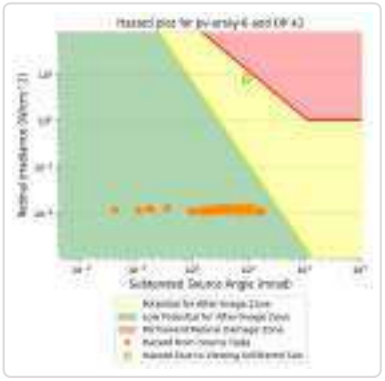
PV array 6: OP 42

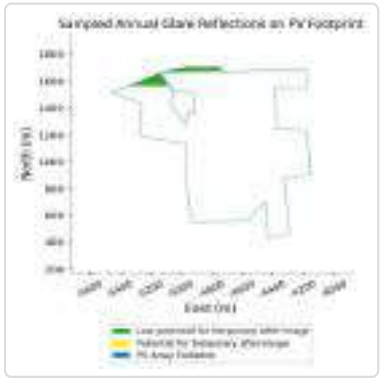
PV array is expected to produce the following glare for this receptor:

- 145 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





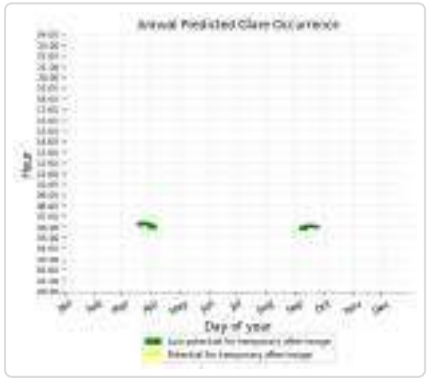


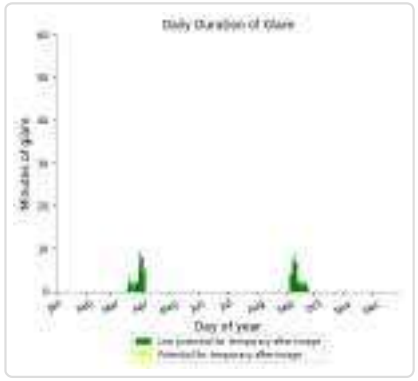


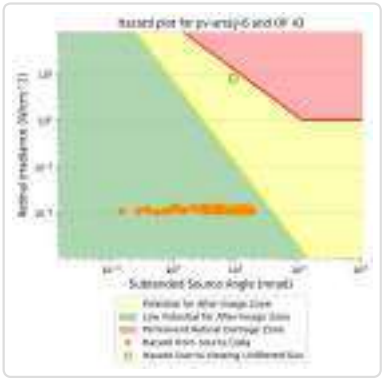
PV array 6: OP 43

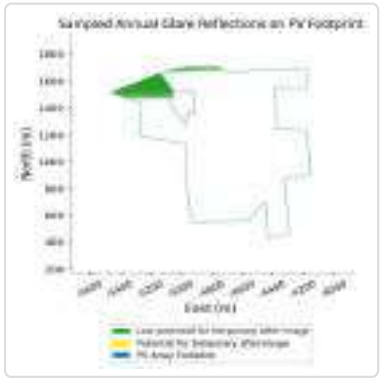
PV array is expected to produce the following glare for this receptor:

- 139 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





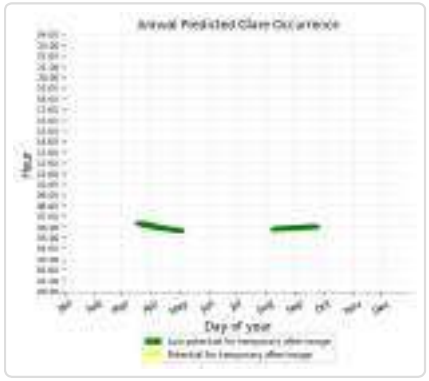


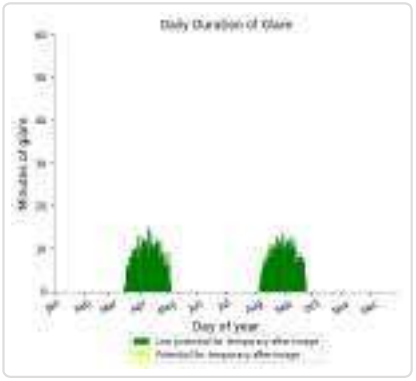


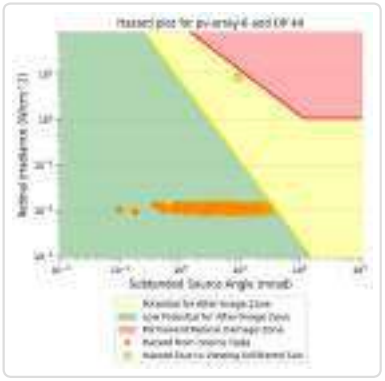
PV array 6: OP 44

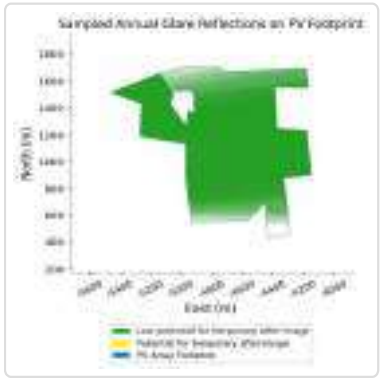
PV array is expected to produce the following glare for this receptor:

- 943 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





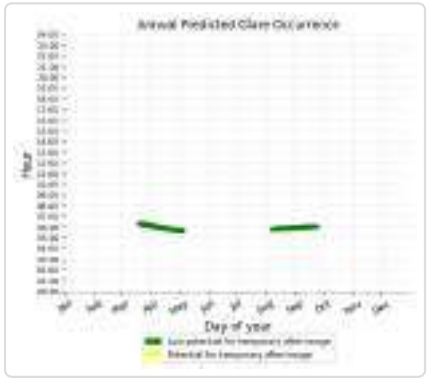


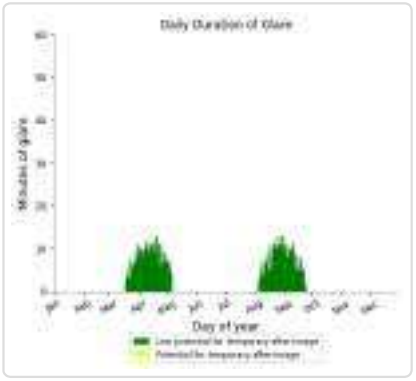


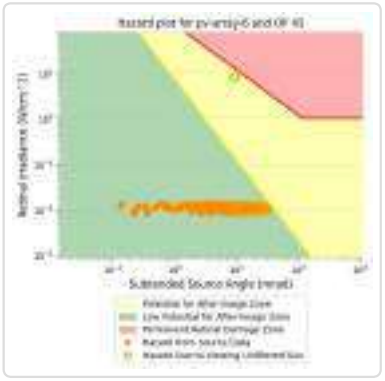
PV array 6: OP 45

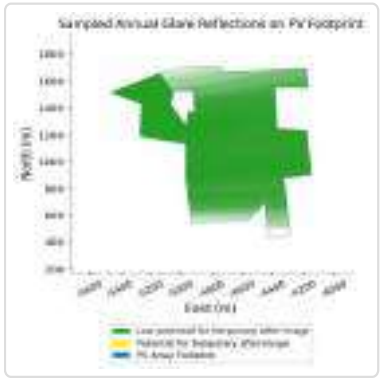
PV array is expected to produce the following glare for this receptor:

- 827 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





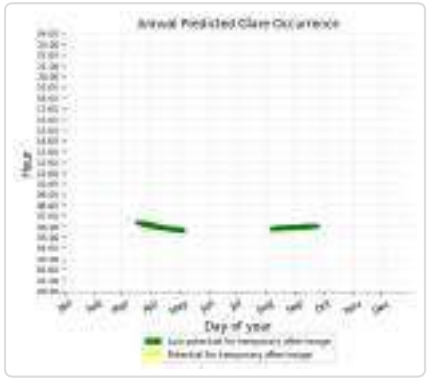


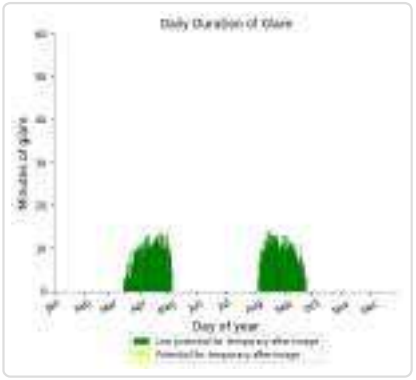


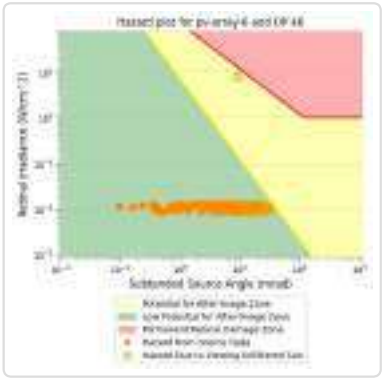
PV array 6: OP 46

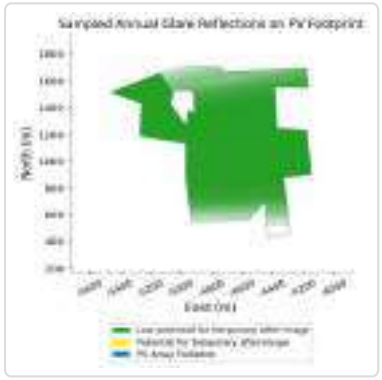
PV array is expected to produce the following glare for this receptor:

- 1,018 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6: OP 47

No glare found

PV array 6: OP 48

No glare found

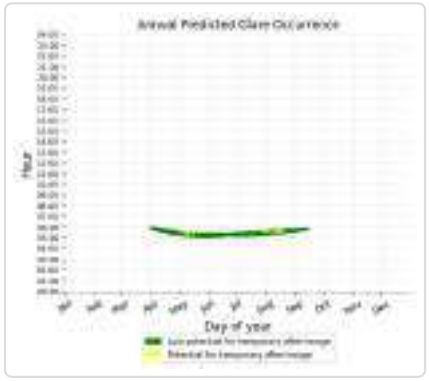
PV array 6: OP 49

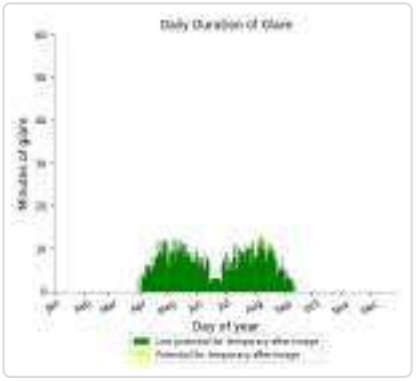
No glare found

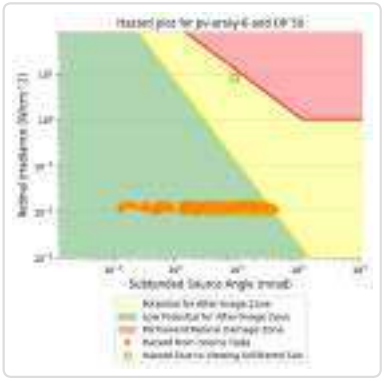
PV array 6: OP 50

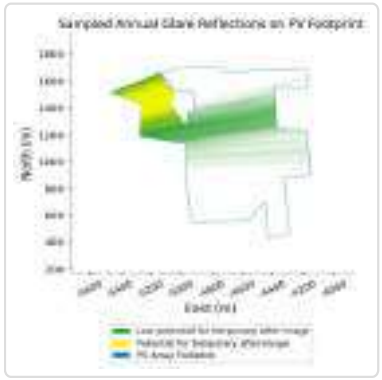
PV array is expected to produce the following glare for this receptor:

- 1,217 minutes of "green" glare with low potential to cause temporary after-image.
- 15 minutes of "yellow" glare with potential to cause temporary after-image.





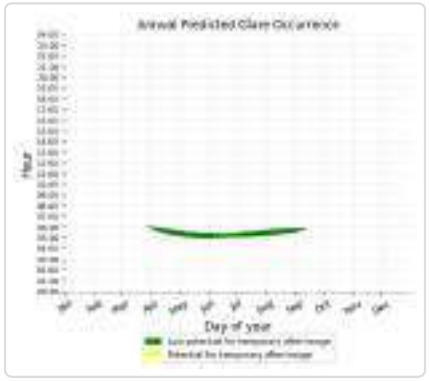


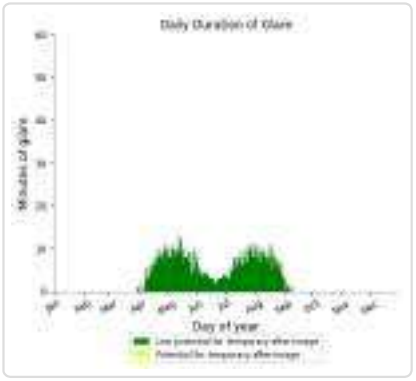


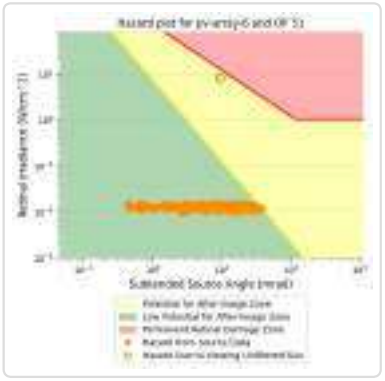
PV array 6: OP 51

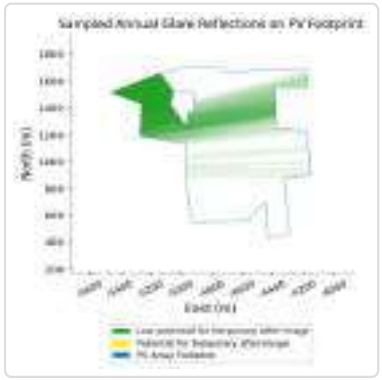
PV array is expected to produce the following glare for this receptor:

- 1,025 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





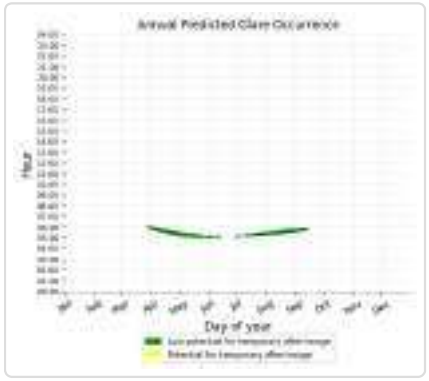


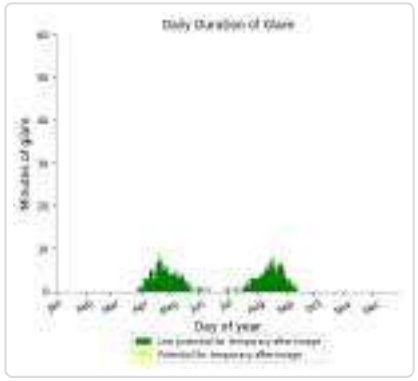


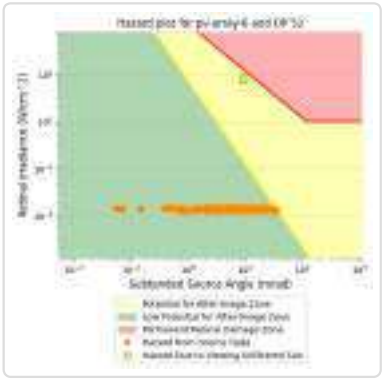
PV array 6: OP 52

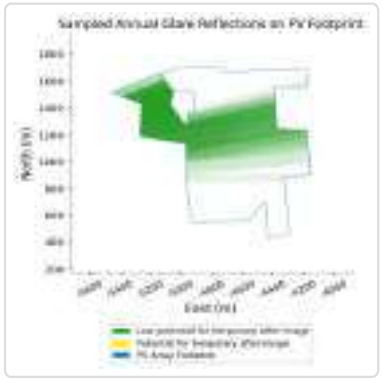
PV array is expected to produce the following glare for this receptor:

- 441 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





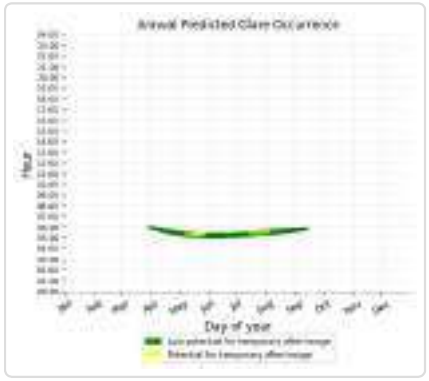


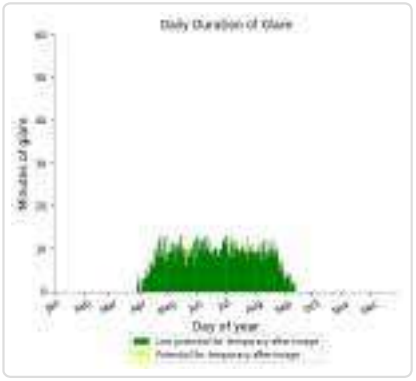


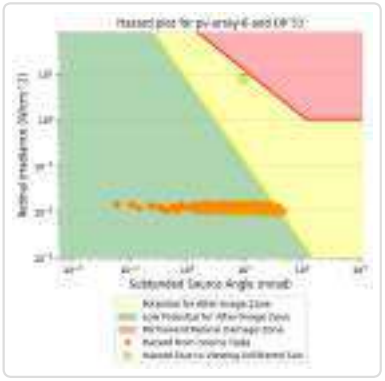
PV array 6: OP 53

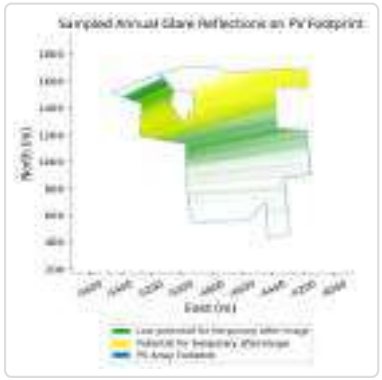
PV array is expected to produce the following glare for this receptor:

- 1,441 minutes of "green" glare with low potential to cause temporary after-image.
- 21 minutes of "yellow" glare with potential to cause temporary after-image.





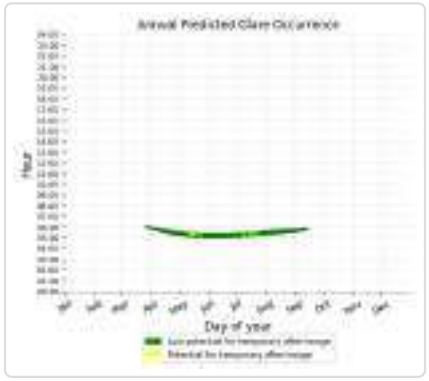


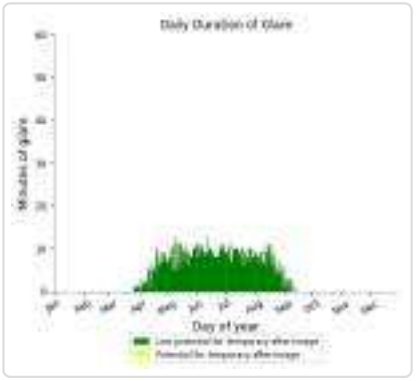


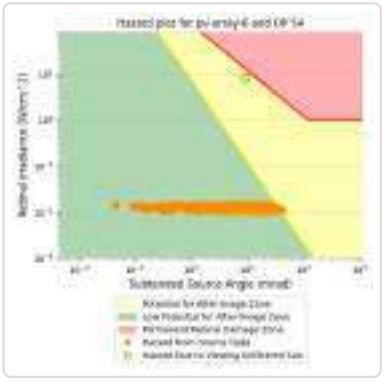
PV array 6: OP 54

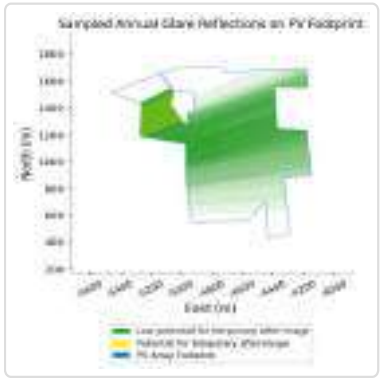
PV array is expected to produce the following glare for this receptor:

- 1,233 minutes of "green" glare with low potential to cause temporary after-image.
- 8 minutes of "yellow" glare with potential to cause temporary after-image.





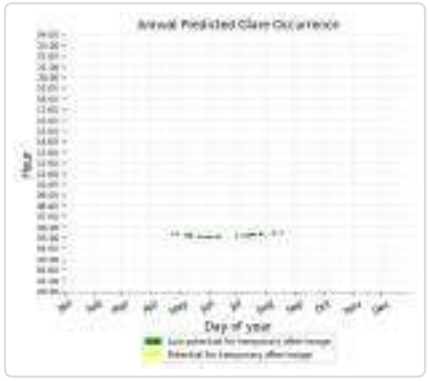


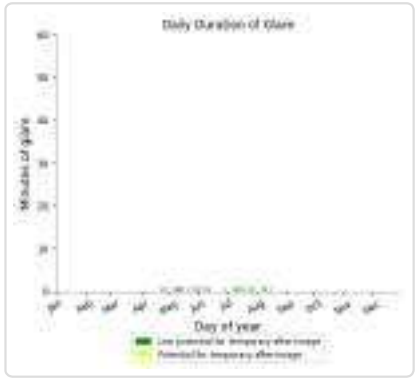


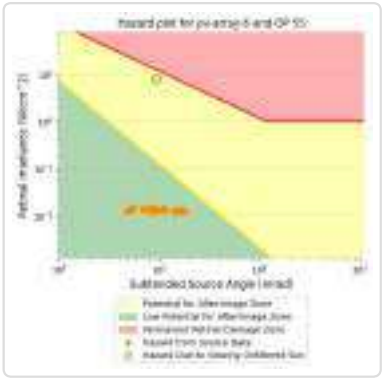
PV array 6: OP 55

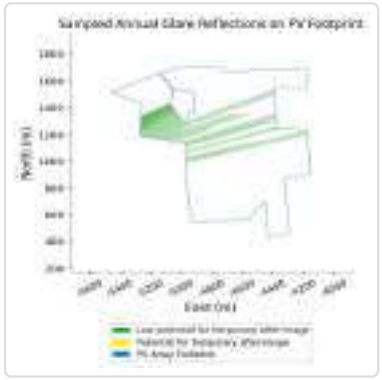
PV array is expected to produce the following glare for this receptor:

- 24 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6: OP 56

No glare found

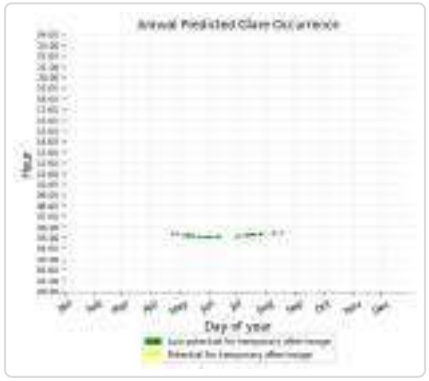
PV array 6: OP 57

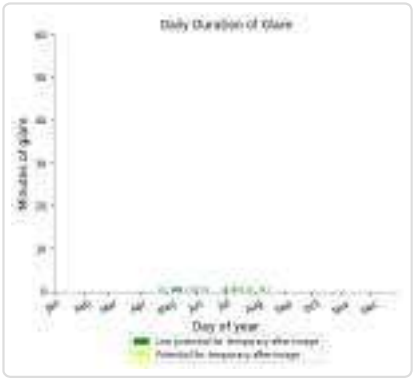
No glare found

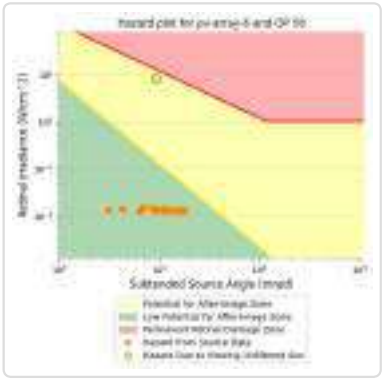
PV array 6: OP 58

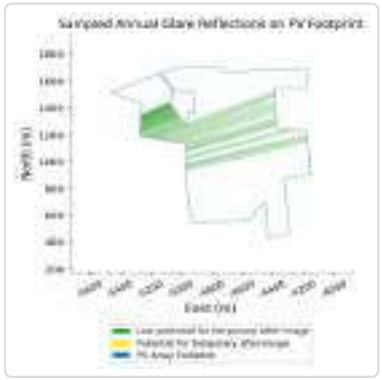
PV array is expected to produce the following glare for this receptor:

- 27 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





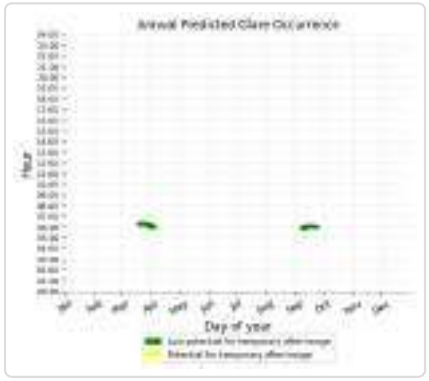


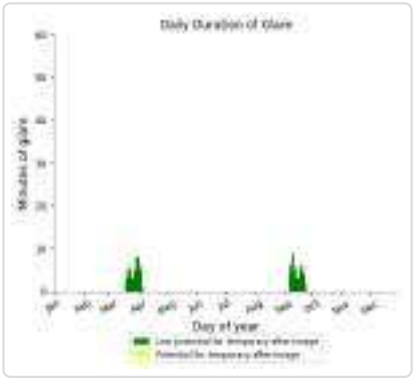


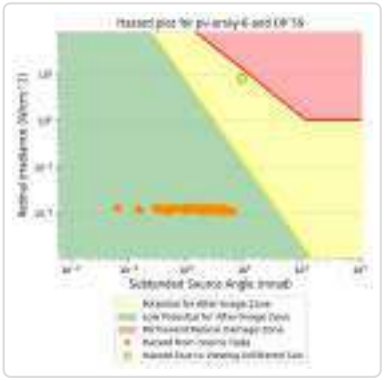
PV array 6: OP 59

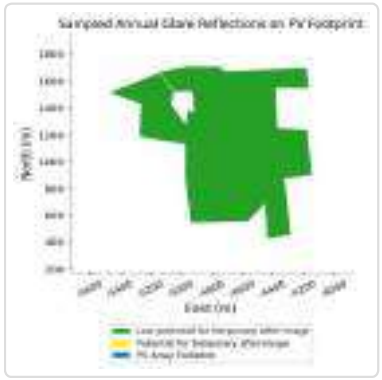
PV array is expected to produce the following glare for this receptor:

- 188 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





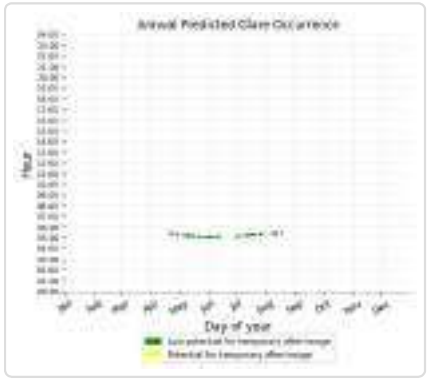


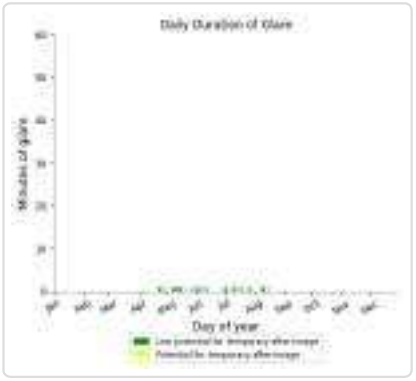


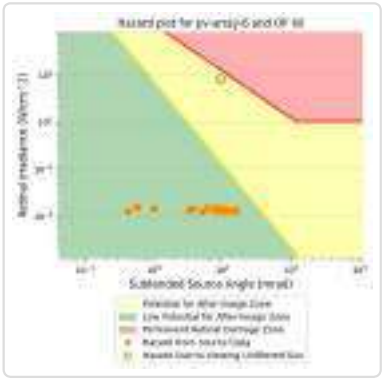
PV array 6: OP 60

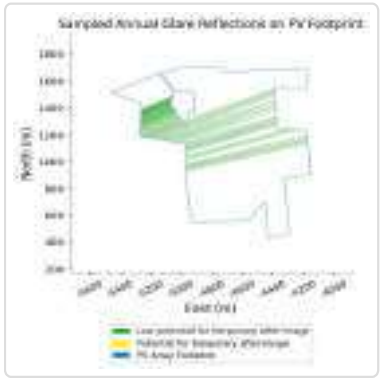
PV array is expected to produce the following glare for this receptor:

- 30 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





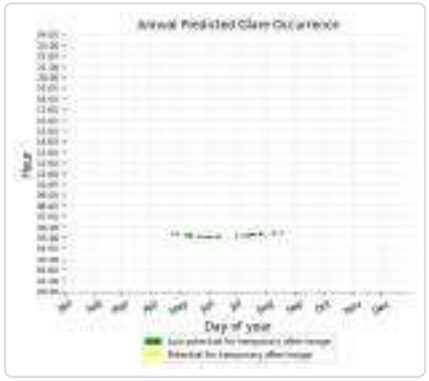


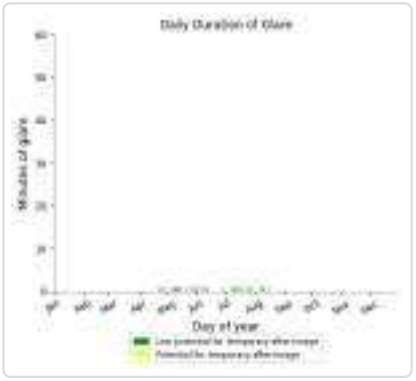


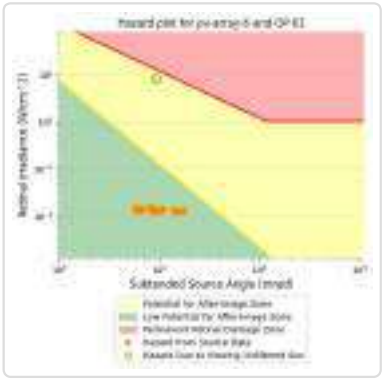
PV array 6: OP 61

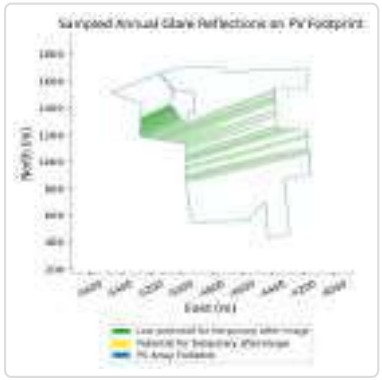
PV array is expected to produce the following glare for this receptor:

- 24 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





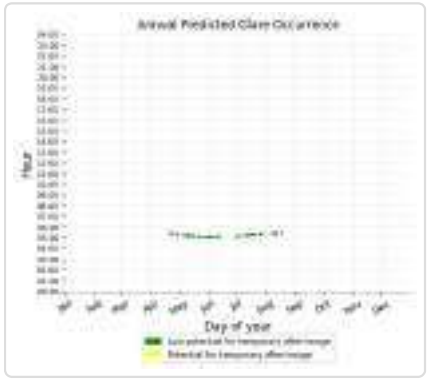


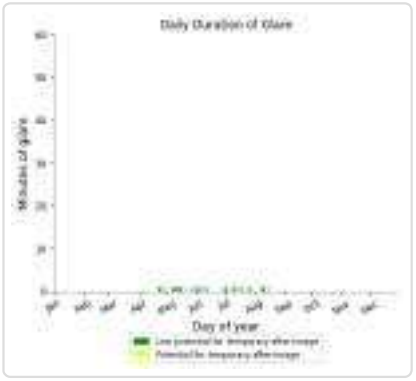


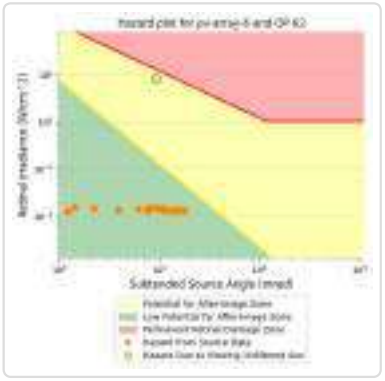
PV array 6: OP 62

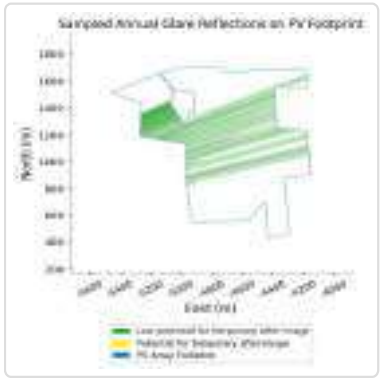
PV array is expected to produce the following glare for this receptor:

- 30 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





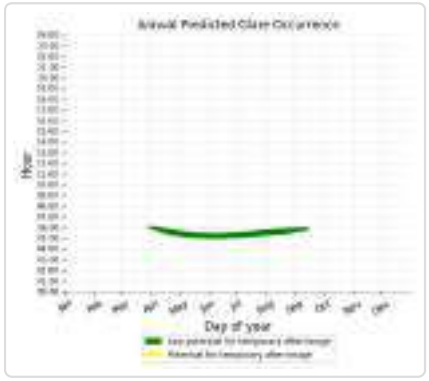


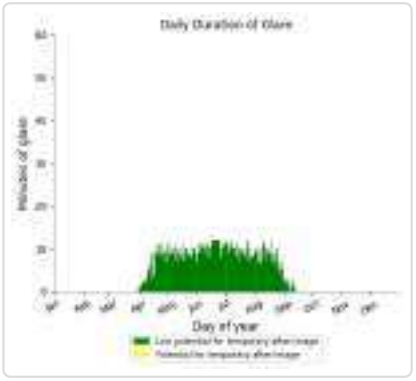


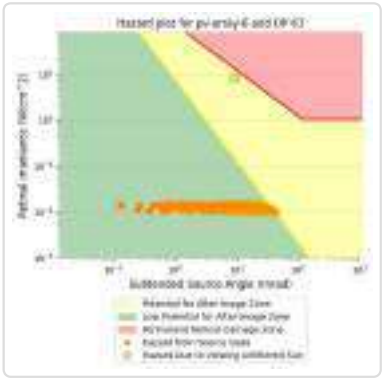
PV array 6: OP 63

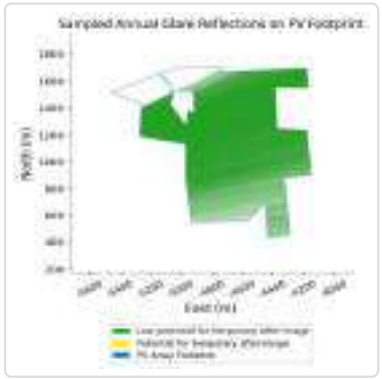
PV array is expected to produce the following glare for this receptor:

- 1,349 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









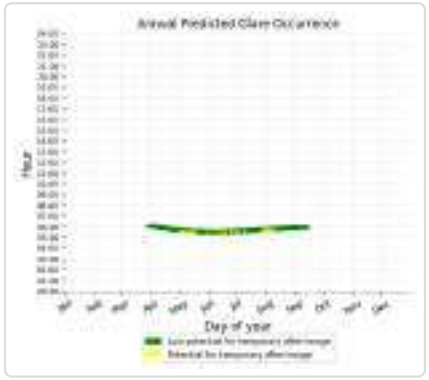
PV array 6: OP 64

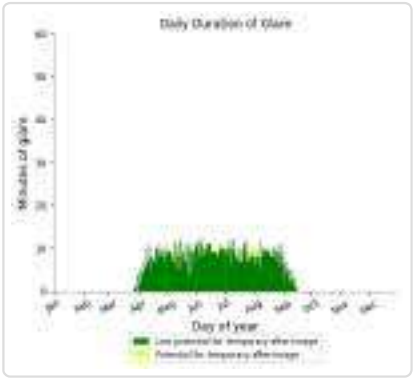
No glare found

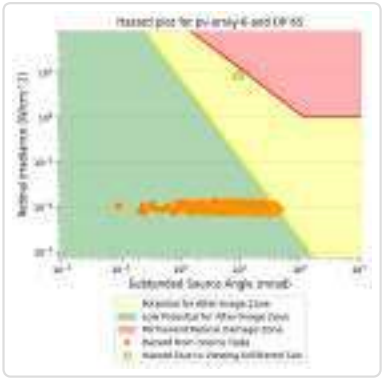
PV array 6: OP 65

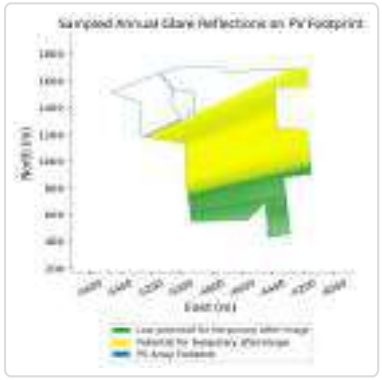
PV array is expected to produce the following glare for this receptor:

- 1,401 minutes of "green" glare with low potential to cause temporary after-image.
- 37 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 7 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0

OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	325	0
OP: OP 42	306	0
OP: OP 43	455	0

OP: OP 44	1547	0
OP: OP 45	1509	0
OP: OP 46	1654	0
OP: OP 47	1171	3206
OP: OP 48	1136	3172
OP: OP 49	1265	3202
OP: OP 50	939	2542
OP: OP 51	1105	2669
OP: OP 52	1049	2688
OP: OP 53	0	0
OP: OP 54	1195	1327
OP: OP 55	1197	1127
OP: OP 56	1330	511
OP: OP 57	1340	353
OP: OP 58	1260	1062
OP: OP 59	307	0
OP: OP 60	1345	849
OP: OP 61	1266	995
OP: OP 62	1177	1034
OP: OP 63	1087	1187
OP: OP 64	818	123
OP: OP 65	1429	102

PV array 7: OP 1

No glare found

PV array 7: OP 2

No glare found

PV array 7: OP 3

No glare found

PV array 7: OP 4

No glare found

PV array 7: OP 5

No glare found

PV array 7: OP 6

No glare found

PV array 7: OP 7

No glare found

PV array 7: OP 8

No glare found

PV array 7: OP 9

No glare found

PV array 7: OP 10

No glare found

PV array 7: OP 11

No glare found

PV array 7: OP 12

No glare found

PV array 7: OP 13

No glare found

PV array 7: OP 14

No glare found

PV array 7: OP 15

No glare found

PV array 7: OP 16

No glare found

PV array 7: OP 17

No glare found

PV array 7: OP 18

No glare found

PV array 7: OP 19

No glare found

PV array 7: OP 20

No glare found

PV array 7: OP 21

No glare found

PV array 7: OP 22

No glare found

PV array 7: OP 23

No glare found

PV array 7: OP 24

No glare found

PV array 7: OP 25

No glare found

PV array 7: OP 26

No glare found

PV array 7: OP 27

No glare found

PV array 7: OP 28

No glare found

PV array 7: OP 29

No glare found

PV array 7: OP 30

No glare found

PV array 7: OP 31

No glare found

PV array 7: OP 32

No glare found

PV array 7: OP 33

No glare found

PV array 7: OP 34

No glare found

PV array 7: OP 35

No glare found

PV array 7: OP 36

No glare found

PV array 7: OP 37

No glare found

PV array 7: OP 38

No glare found

PV array 7: OP 39

No glare found

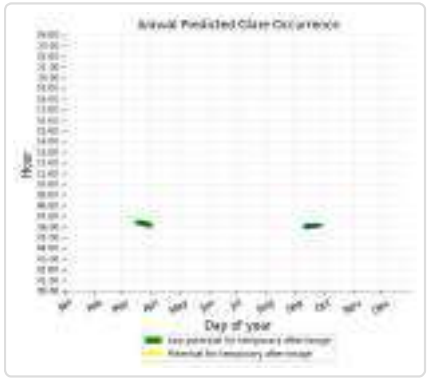
PV array 7: OP 40

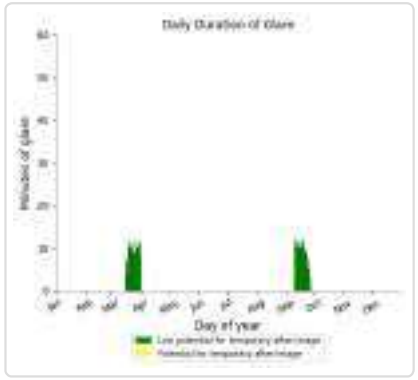
No glare found

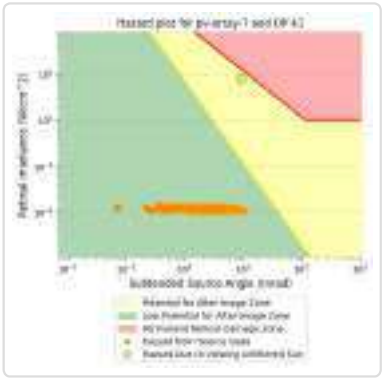
PV array 7: OP 41

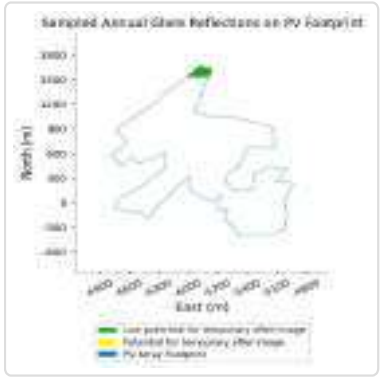
PV array is expected to produce the following glare for this receptor:

- 325 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





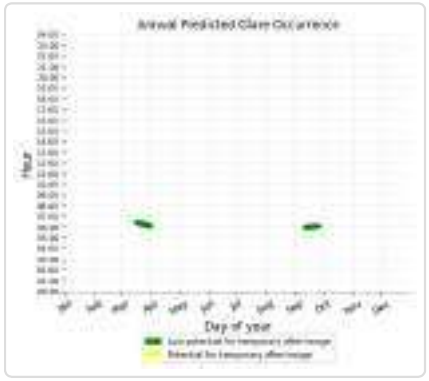


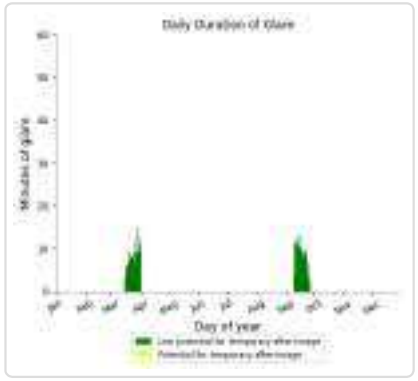


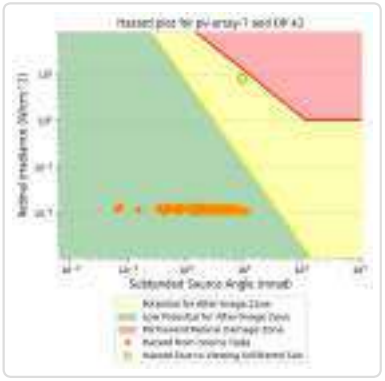
PV array 7: OP 42

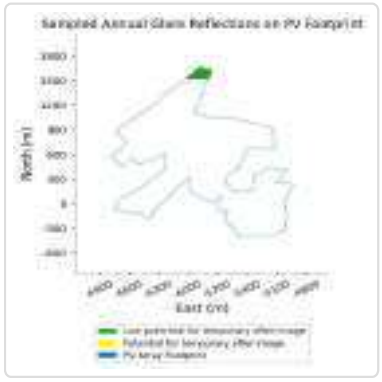
PV array is expected to produce the following glare for this receptor:

- 306 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





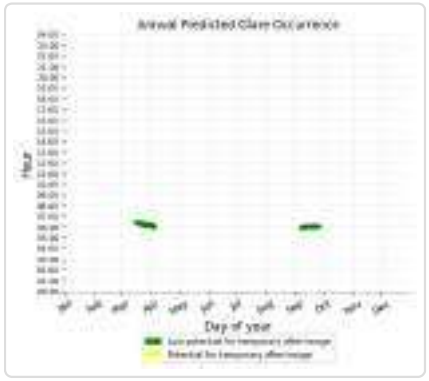


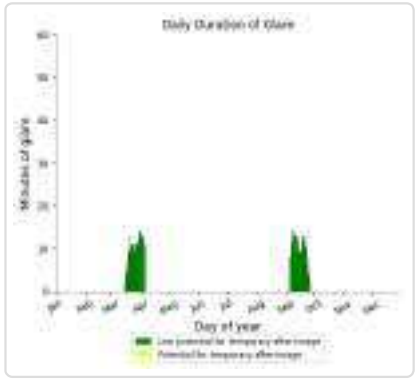


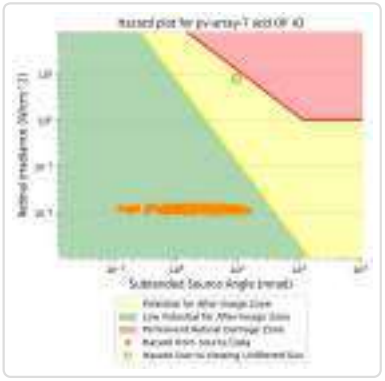
PV array 7: OP 43

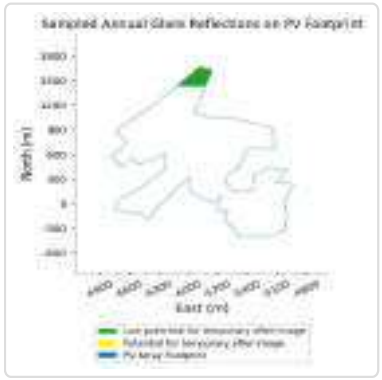
PV array is expected to produce the following glare for this receptor:

- 455 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





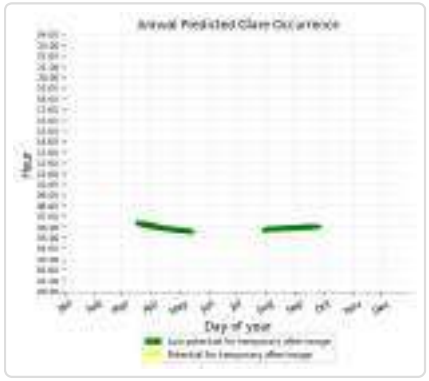


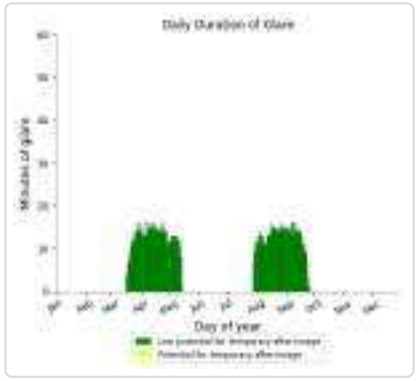


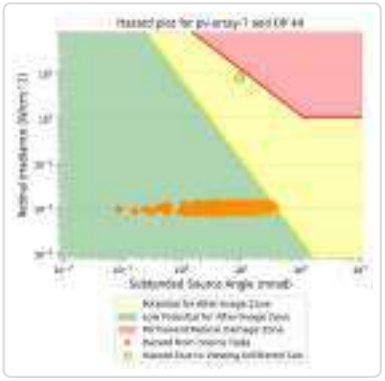
PV array 7: OP 44

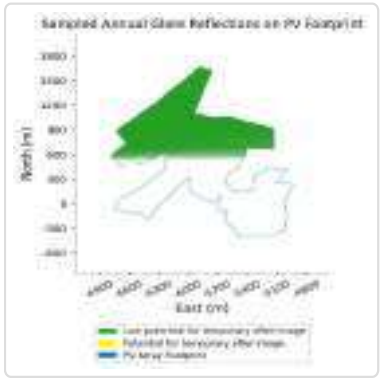
PV array is expected to produce the following glare for this receptor:

- 1,547 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





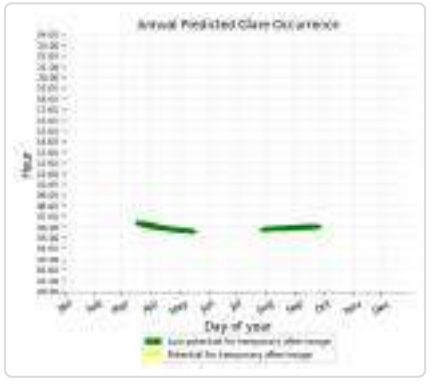


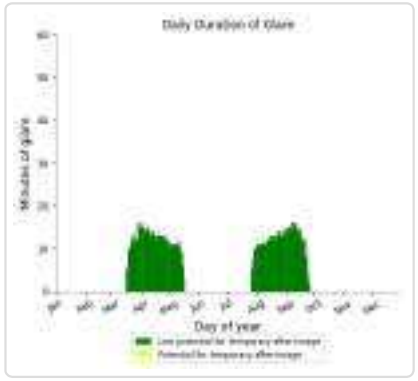


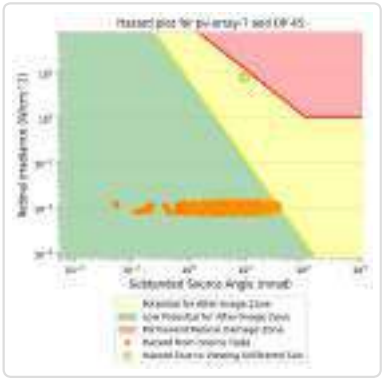
PV array 7: OP 45

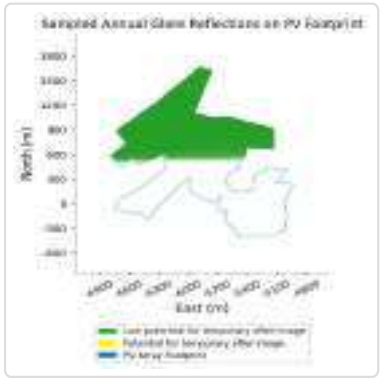
PV array is expected to produce the following glare for this receptor:

- 1,509 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





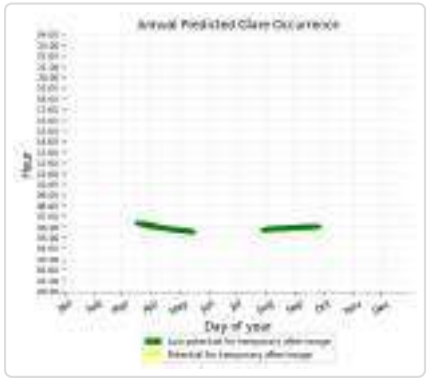


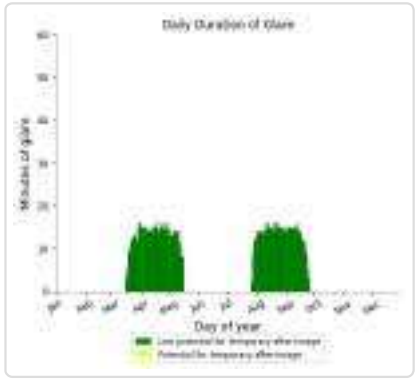


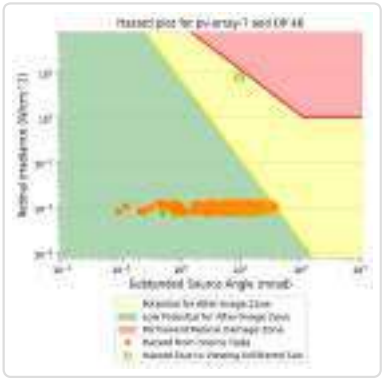
PV array 7: OP 46

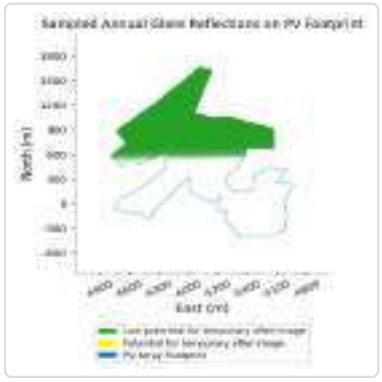
PV array is expected to produce the following glare for this receptor:

- 1,654 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





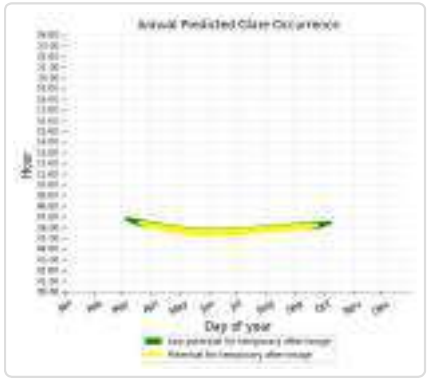


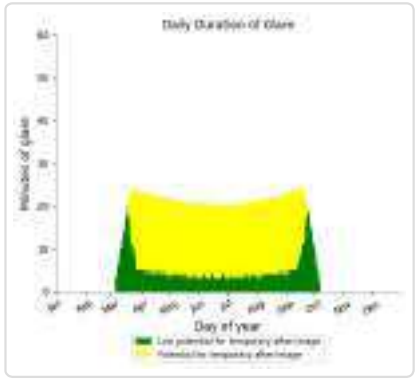


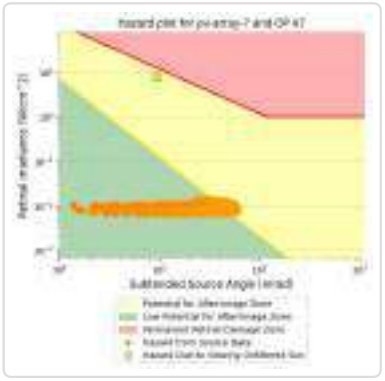
PV array 7: OP 47

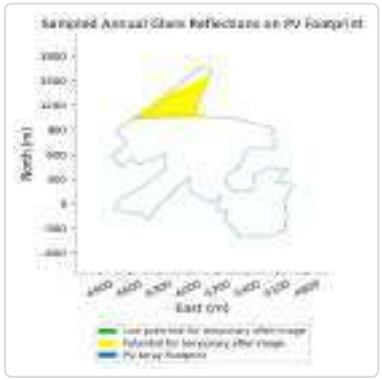
PV array is expected to produce the following glare for this receptor:

- 1,171 minutes of "green" glare with low potential to cause temporary after-image.
- 3,206 minutes of "yellow" glare with potential to cause temporary after-image.





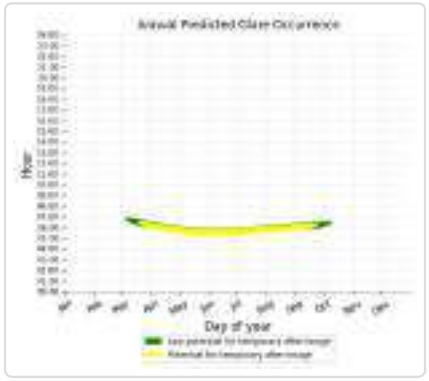


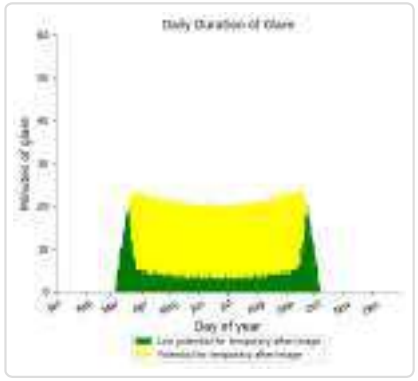


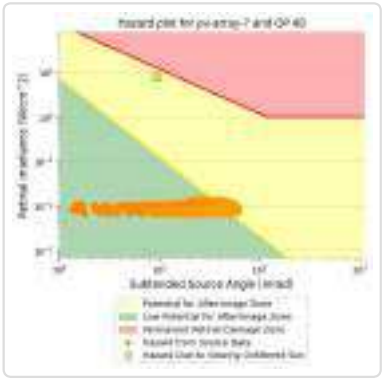
PV array 7: OP 48

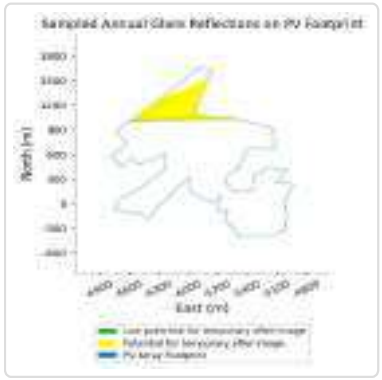
PV array is expected to produce the following glare for this receptor:

- 1,136 minutes of "green" glare with low potential to cause temporary after-image.
- 3,172 minutes of "yellow" glare with potential to cause temporary after-image.





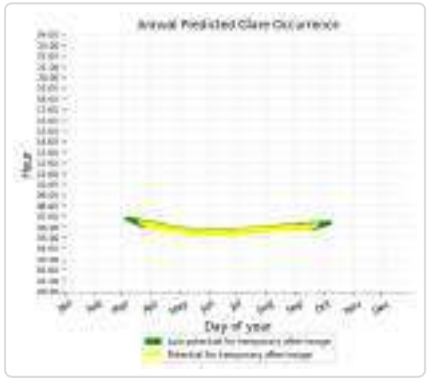


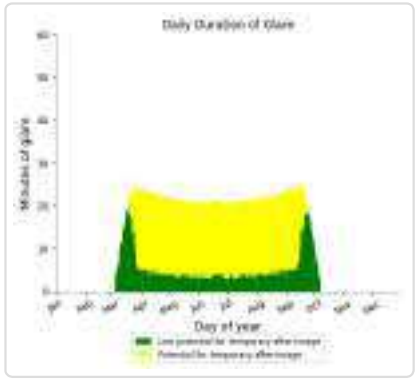


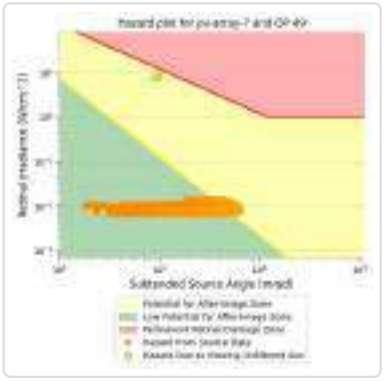
PV array 7: OP 49

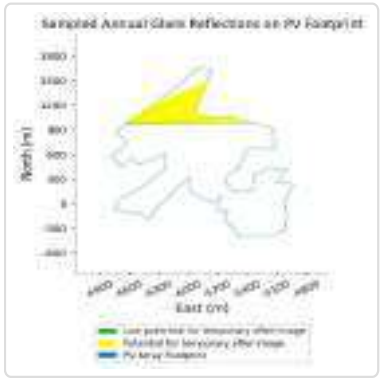
PV array is expected to produce the following glare for this receptor:

- 1,265 minutes of "green" glare with low potential to cause temporary after-image.
- 3,202 minutes of "yellow" glare with potential to cause temporary after-image.





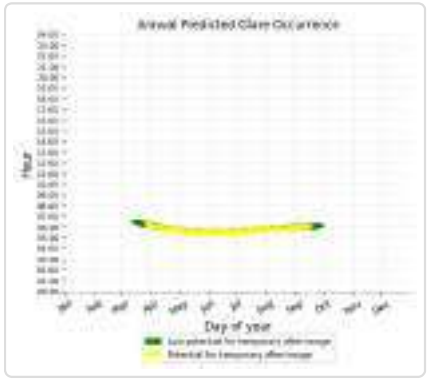


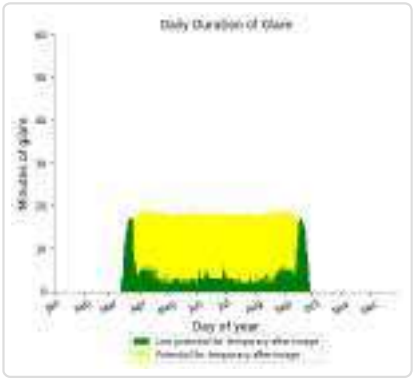


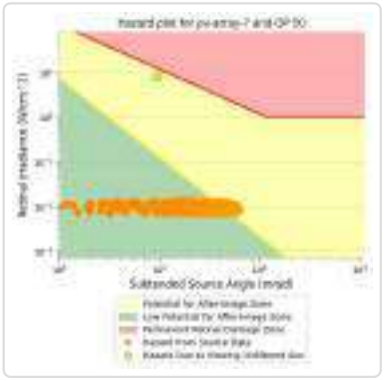
PV array 7: OP 50

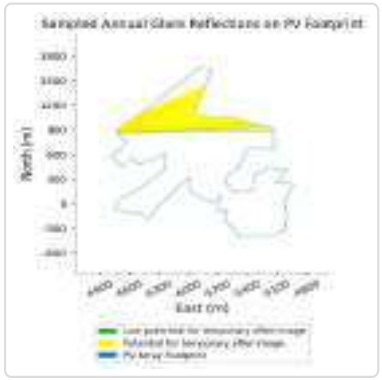
PV array is expected to produce the following glare for this receptor:

- 939 minutes of "green" glare with low potential to cause temporary after-image.
- 2,542 minutes of "yellow" glare with potential to cause temporary after-image.





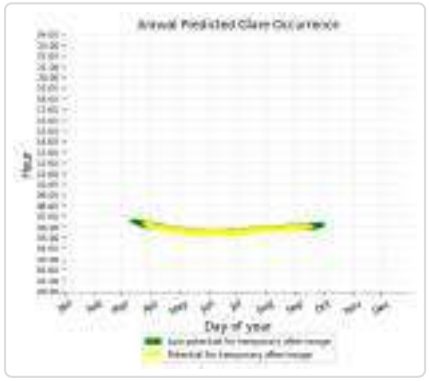


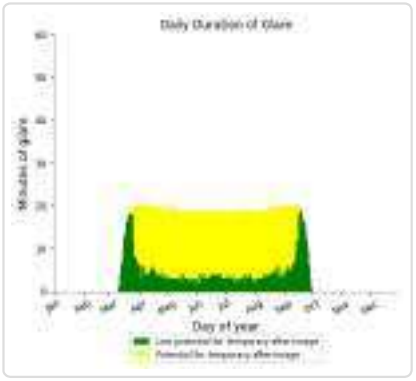


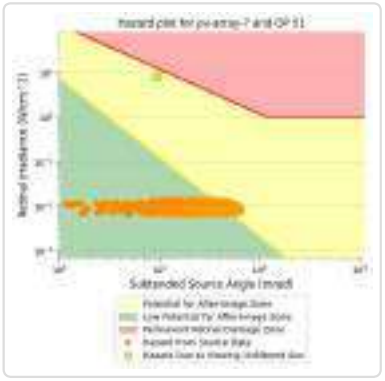
PV array 7: OP 51

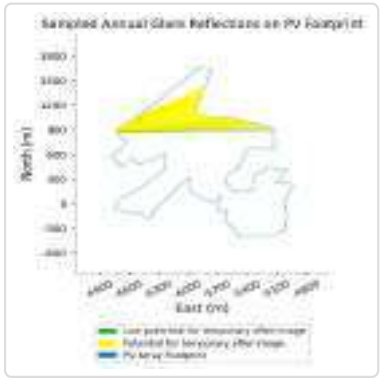
PV array is expected to produce the following glare for this receptor:

- 1,105 minutes of "green" glare with low potential to cause temporary after-image.
- 2,669 minutes of "yellow" glare with potential to cause temporary after-image.





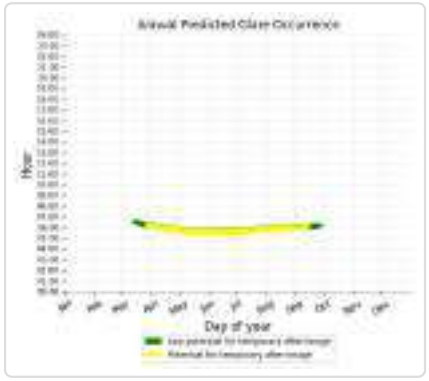


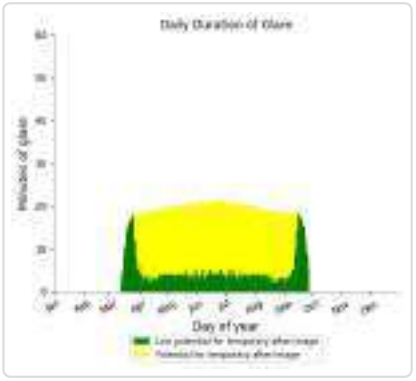


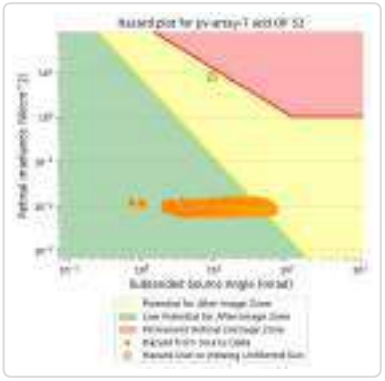
PV array 7: OP 52

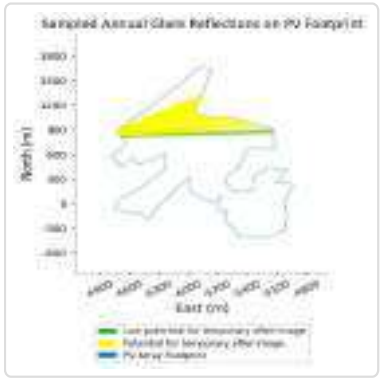
PV array is expected to produce the following glare for this receptor:

- 1,049 minutes of "green" glare with low potential to cause temporary after-image.
- 2,688 minutes of "yellow" glare with potential to cause temporary after-image.









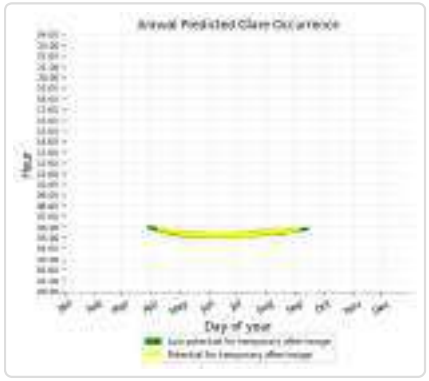
PV array 7: OP 53

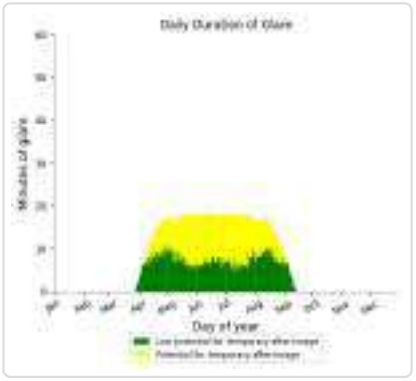
No glare found

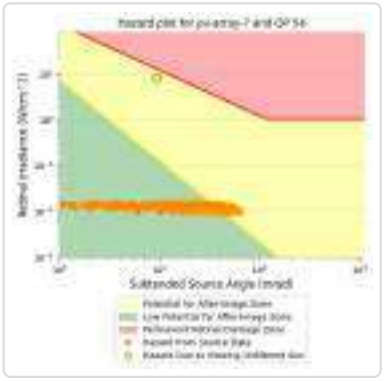
PV array 7: OP 54

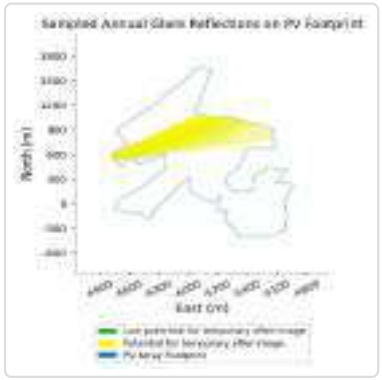
PV array is expected to produce the following glare for this receptor:

- 1,195 minutes of "green" glare with low potential to cause temporary after-image.
- 1,327 minutes of "yellow" glare with potential to cause temporary after-image.





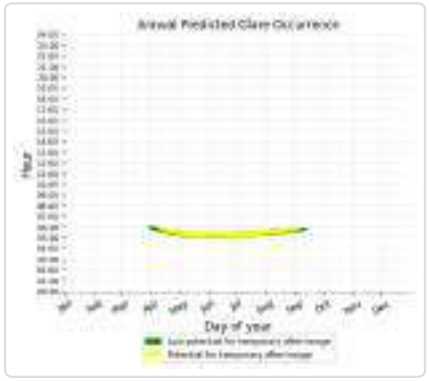


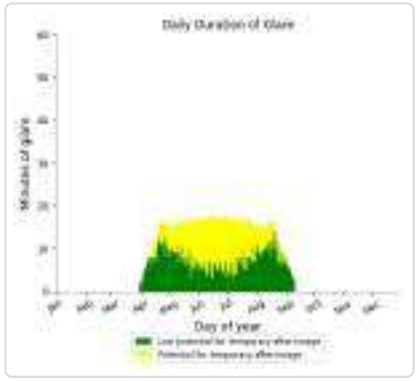


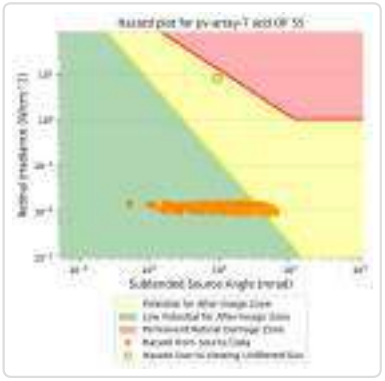
PV array 7: OP 55

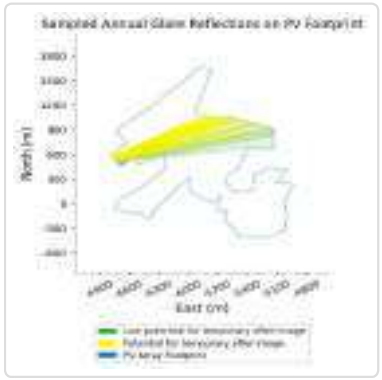
PV array is expected to produce the following glare for this receptor:

- 1,197 minutes of "green" glare with low potential to cause temporary after-image.
- 1,127 minutes of "yellow" glare with potential to cause temporary after-image.





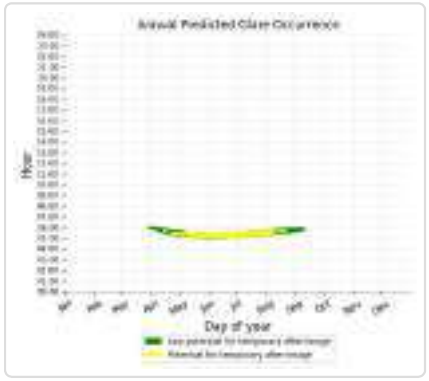


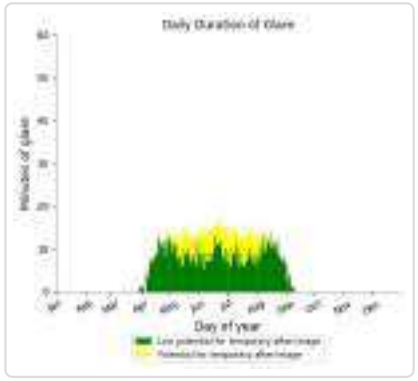


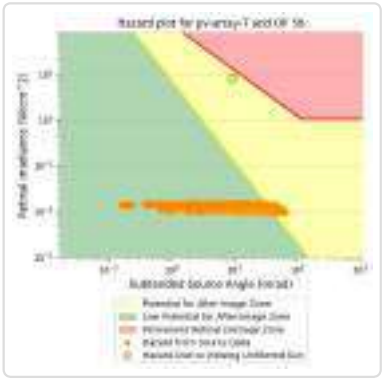
PV array 7: OP 56

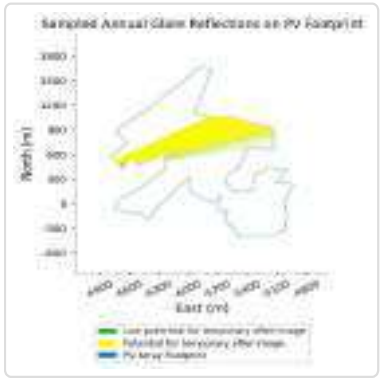
PV array is expected to produce the following glare for this receptor:

- 1,330 minutes of "green" glare with low potential to cause temporary after-image.
- 511 minutes of "yellow" glare with potential to cause temporary after-image.





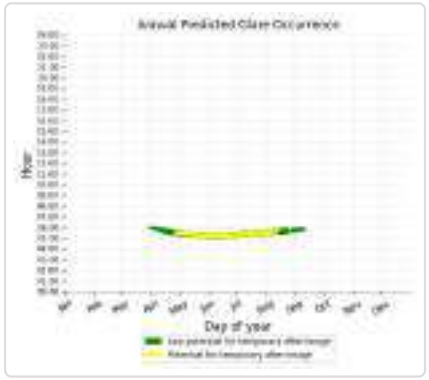


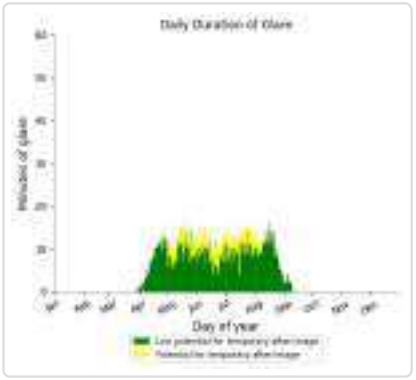


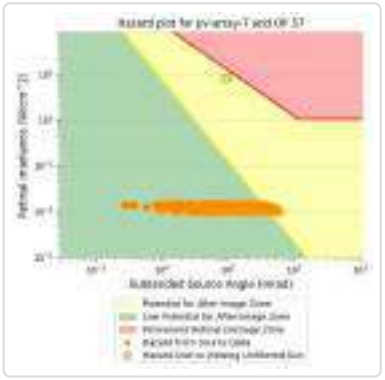
PV array 7: OP 57

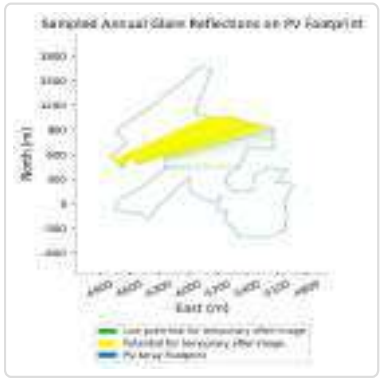
PV array is expected to produce the following glare for this receptor:

- 1,340 minutes of "green" glare with low potential to cause temporary after-image.
- 353 minutes of "yellow" glare with potential to cause temporary after-image.





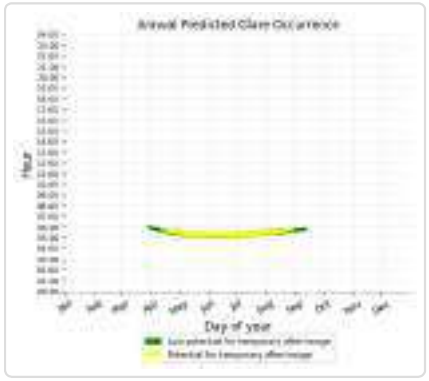


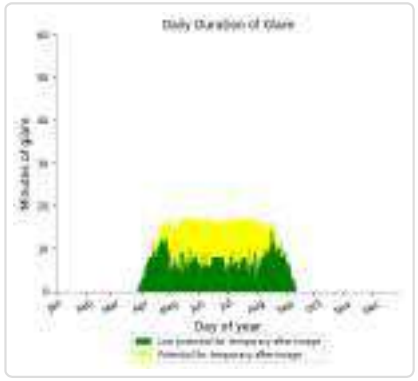


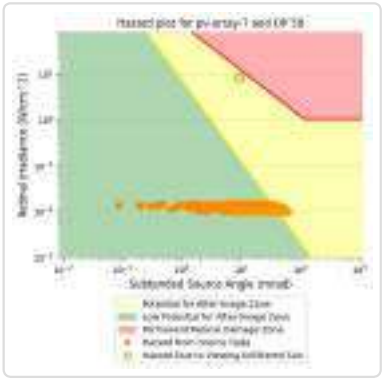
PV array 7: OP 58

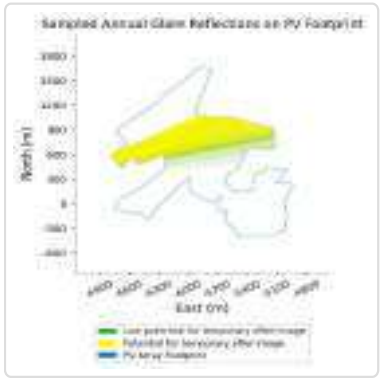
PV array is expected to produce the following glare for this receptor:

- 1,260 minutes of "green" glare with low potential to cause temporary after-image.
- 1,062 minutes of "yellow" glare with potential to cause temporary after-image.





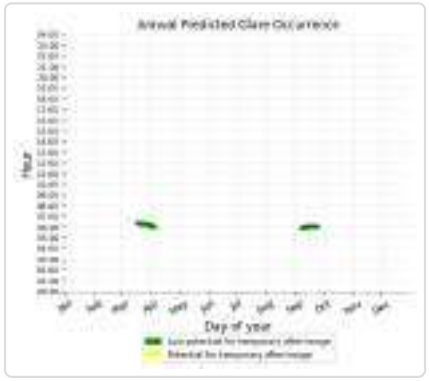


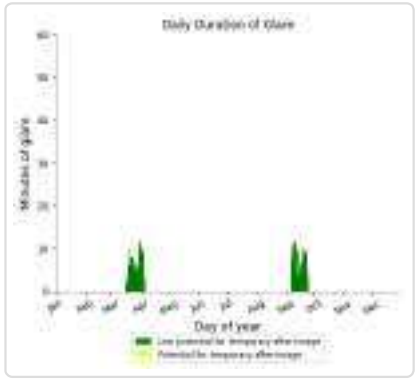


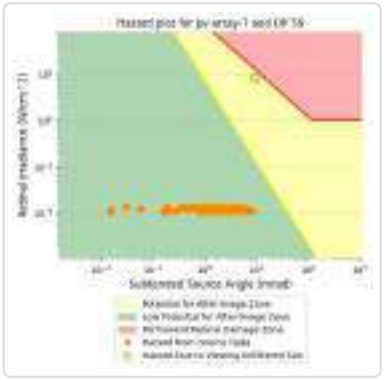
PV array 7: OP 59

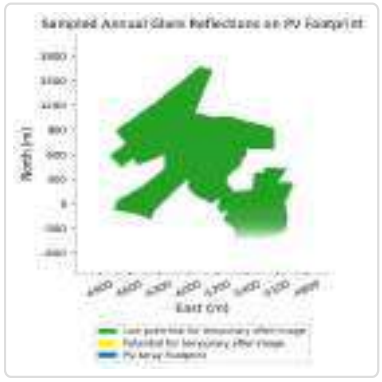
PV array is expected to produce the following glare for this receptor:

- 307 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





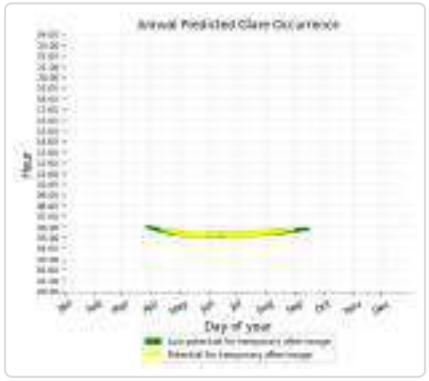


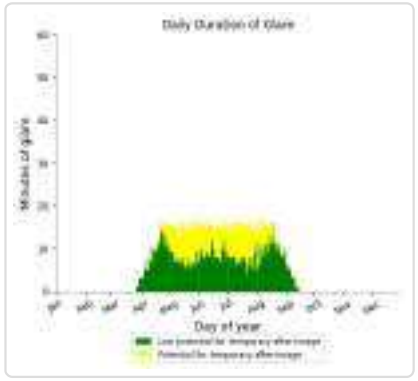


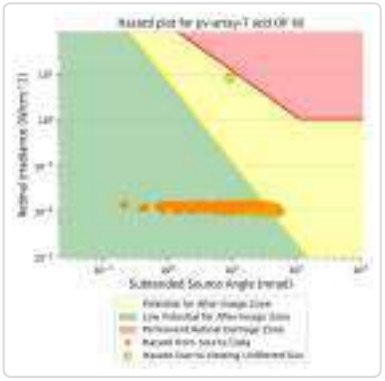
PV array 7: OP 60

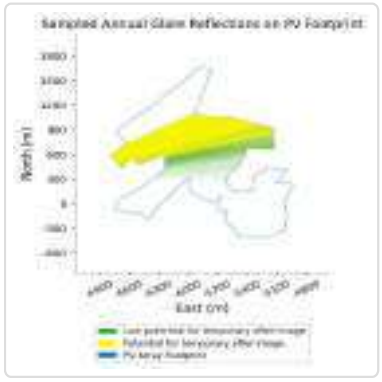
PV array is expected to produce the following glare for this receptor:

- 1,345 minutes of "green" glare with low potential to cause temporary after-image.
- 849 minutes of "yellow" glare with potential to cause temporary after-image.





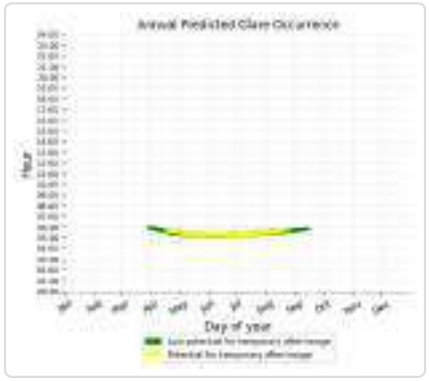


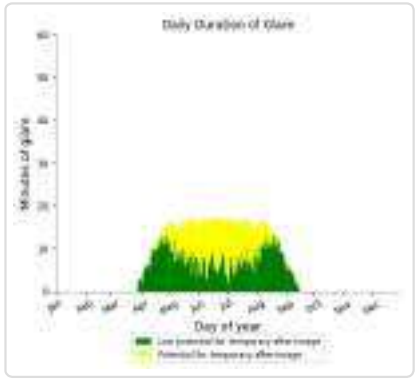


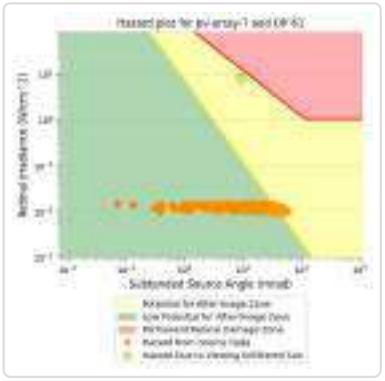
PV array 7: OP 61

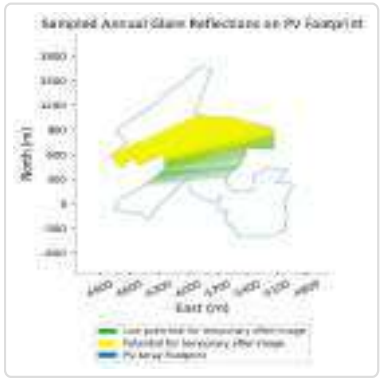
PV array is expected to produce the following glare for this receptor:

- 1,266 minutes of "green" glare with low potential to cause temporary after-image.
- 995 minutes of "yellow" glare with potential to cause temporary after-image.





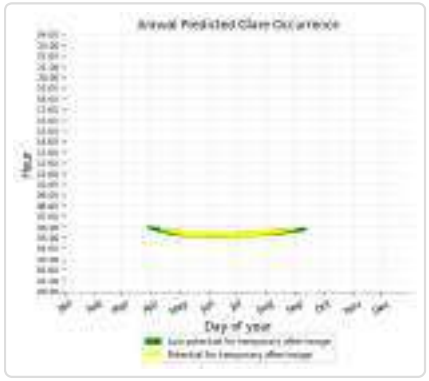


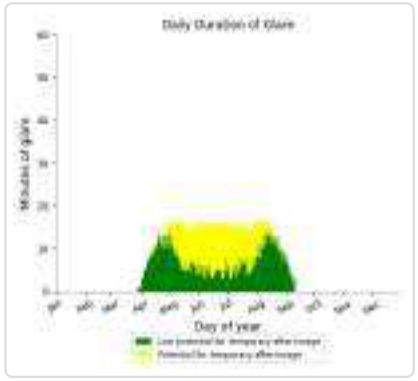


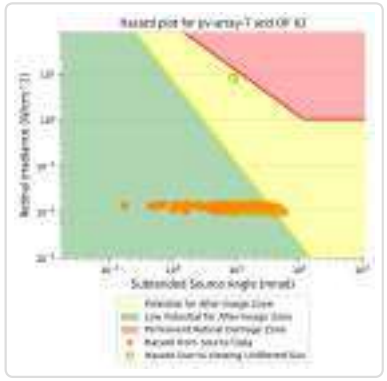
PV array 7: OP 62

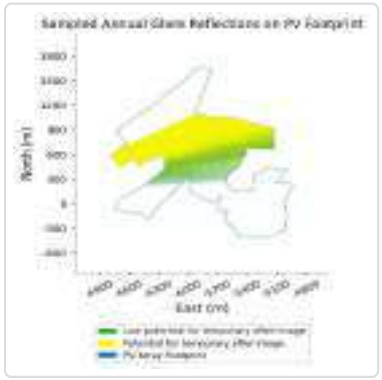
PV array is expected to produce the following glare for this receptor:

- 1,177 minutes of "green" glare with low potential to cause temporary after-image.
- 1,034 minutes of "yellow" glare with potential to cause temporary after-image.





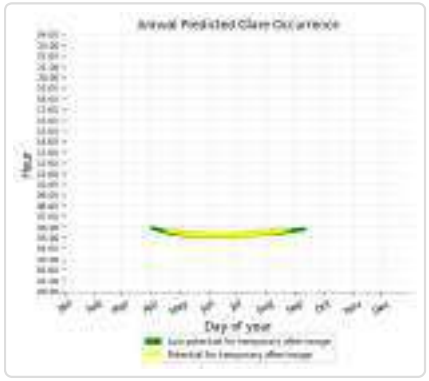


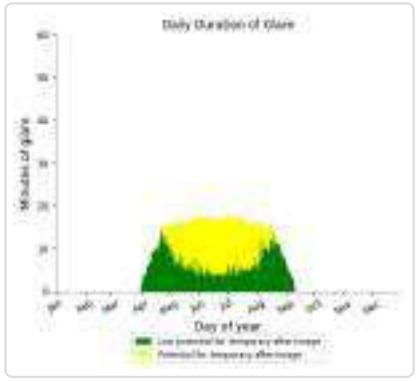


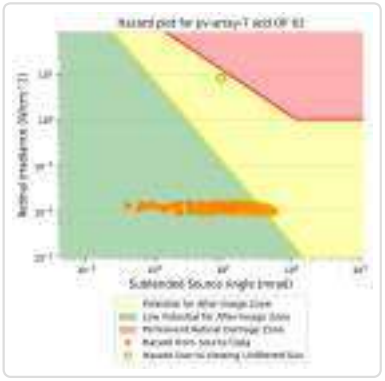
PV array 7: OP 63

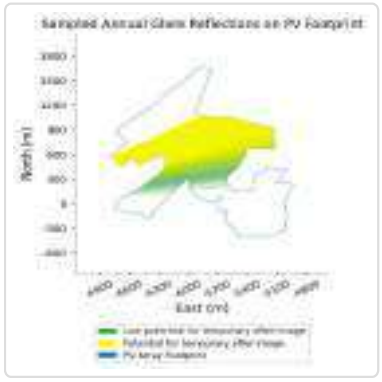
PV array is expected to produce the following glare for this receptor:

- 1,087 minutes of "green" glare with low potential to cause temporary after-image.
- 1,187 minutes of "yellow" glare with potential to cause temporary after-image.





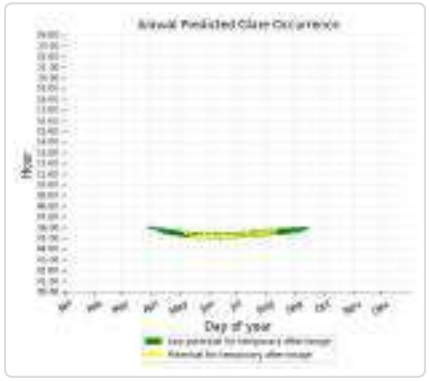


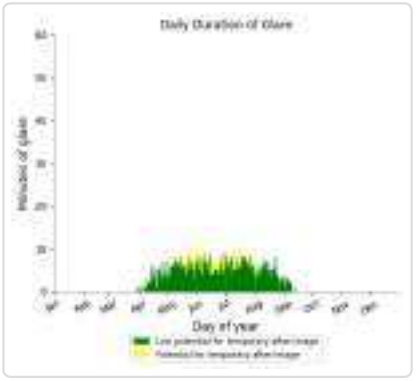


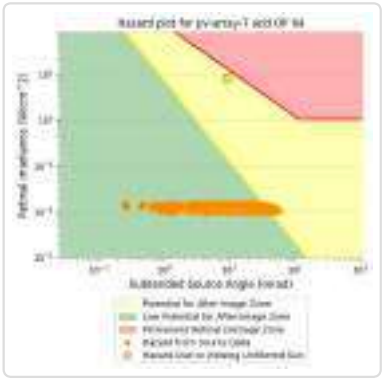
PV array 7: OP 64

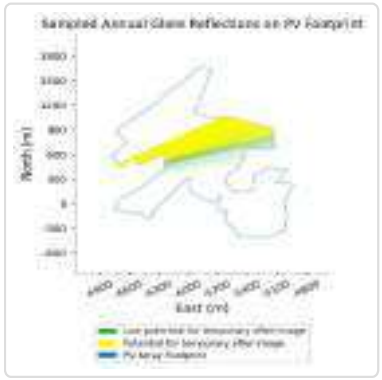
PV array is expected to produce the following glare for this receptor:

- 818 minutes of "green" glare with low potential to cause temporary after-image.
- 123 minutes of "yellow" glare with potential to cause temporary after-image.





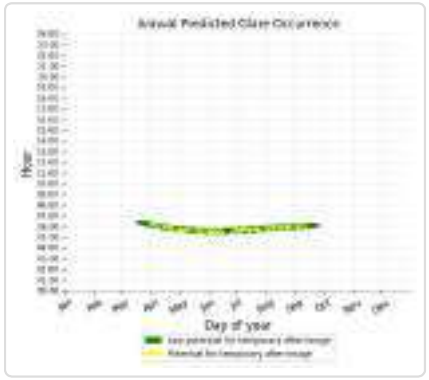


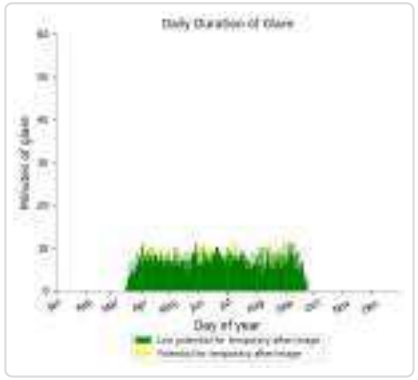


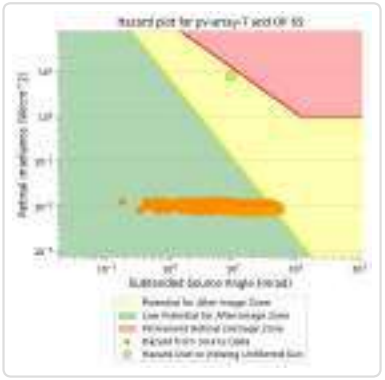
PV array 7: OP 65

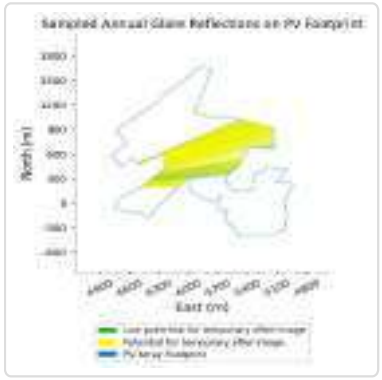
PV array is expected to produce the following glare for this receptor:

- 1,429 minutes of "green" glare with low potential to cause temporary after-image.
- 102 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 8 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0

OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	66	0
OP: OP 42	63	0
OP: OP 43	105	0

OP: OP 44	914	0
OP: OP 45	944	0
OP: OP 46	1150	0
OP: OP 47	1203	1475
OP: OP 48	1682	1000
OP: OP 49	1214	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	68	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 8: OP 1

No glare found

PV array 8: OP 2

No glare found

PV array 8: OP 3

No glare found

PV array 8: OP 4

No glare found

PV array 8: OP 5

No glare found

PV array 8: OP 6

No glare found

PV array 8: OP 7

No glare found

PV array 8: OP 8

No glare found

PV array 8: OP 9

No glare found

PV array 8: OP 10

No glare found

PV array 8: OP 11

No glare found

PV array 8: OP 12

No glare found

PV array 8: OP 13

No glare found

PV array 8: OP 14

No glare found

PV array 8: OP 15

No glare found

PV array 8: OP 16

No glare found

PV array 8: OP 17

No glare found

PV array 8: OP 18

No glare found

PV array 8: OP 19

No glare found

PV array 8: OP 20

No glare found

PV array 8: OP 21

No glare found

PV array 8: OP 22

No glare found

PV array 8: OP 23

No glare found

PV array 8: OP 24

No glare found

PV array 8: OP 25

No glare found

PV array 8: OP 26

No glare found

PV array 8: OP 27

No glare found

PV array 8: OP 28

No glare found

PV array 8: OP 29

No glare found

PV array 8: OP 30

No glare found

PV array 8: OP 31

No glare found

PV array 8: OP 32

No glare found

PV array 8: OP 33

No glare found

PV array 8: OP 34

No glare found

PV array 8: OP 35

No glare found

PV array 8: OP 36

No glare found

PV array 8: OP 37

No glare found

PV array 8: OP 38

No glare found

PV array 8: OP 39

No glare found

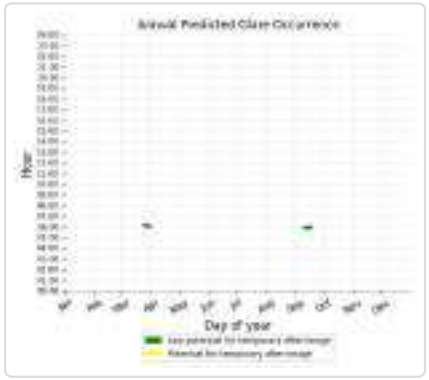
PV array 8: OP 40

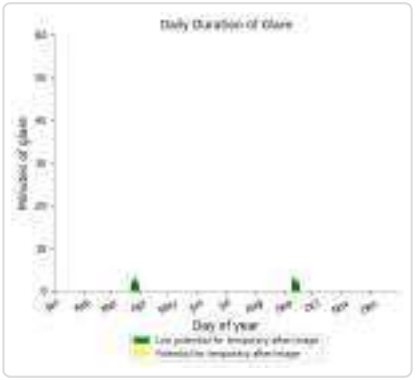
No glare found

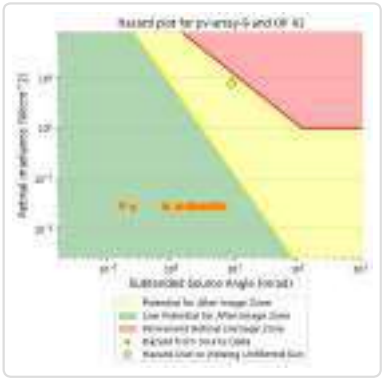
PV array 8: OP 41

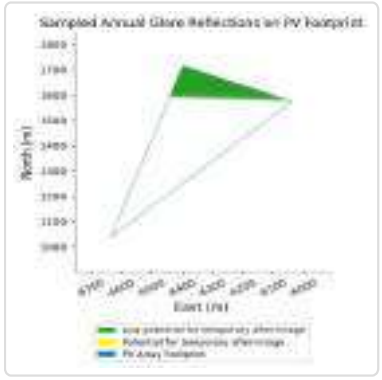
PV array is expected to produce the following glare for this receptor:

- 66 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





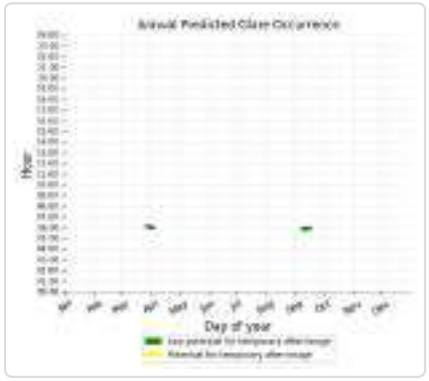


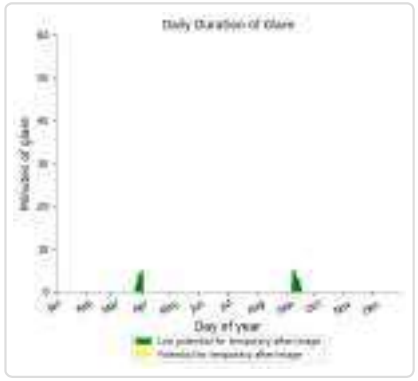


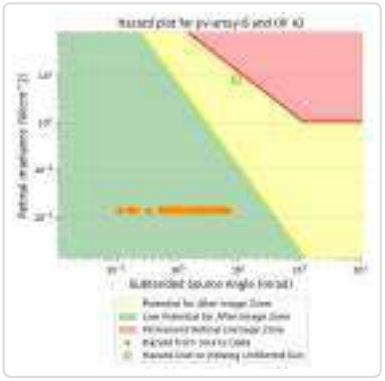
PV array 8: OP 42

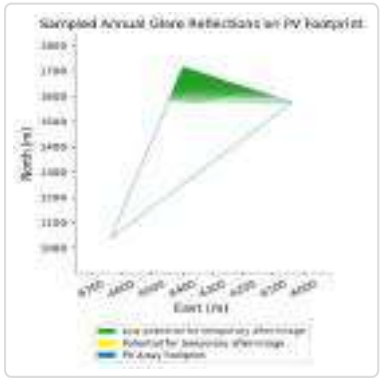
PV array is expected to produce the following glare for this receptor:

- 63 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





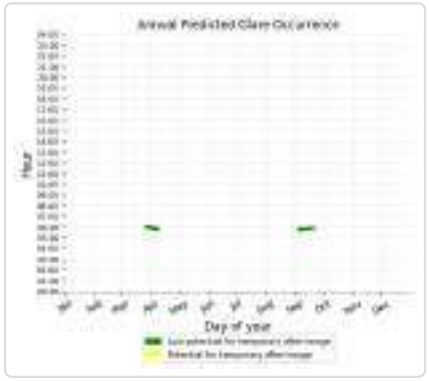


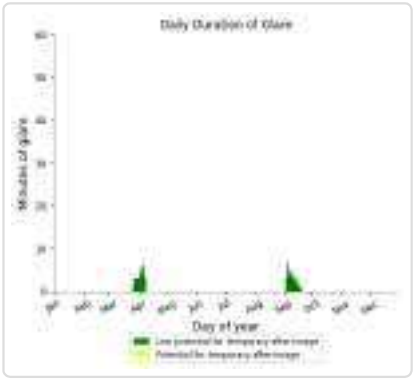


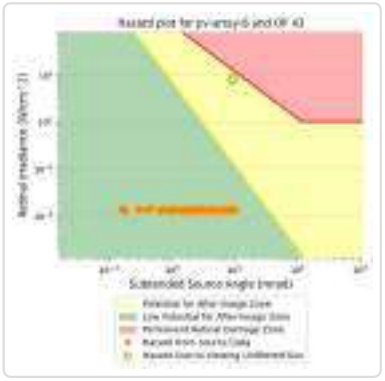
PV array 8: OP 43

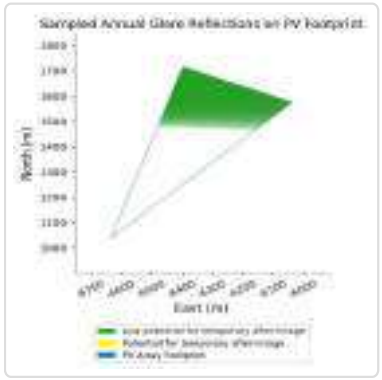
PV array is expected to produce the following glare for this receptor:

- 105 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





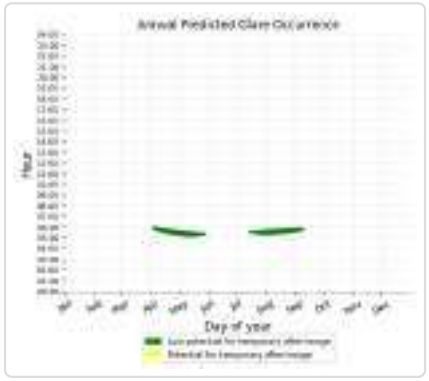


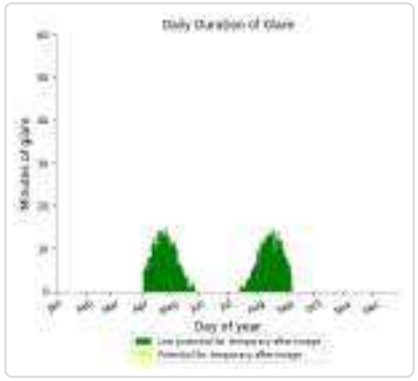


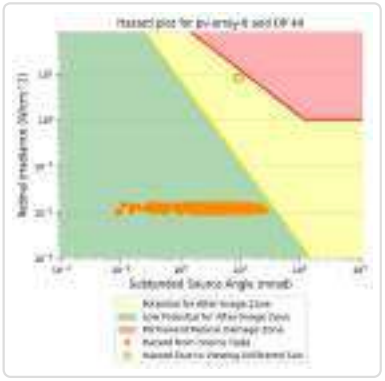
PV array 8: OP 44

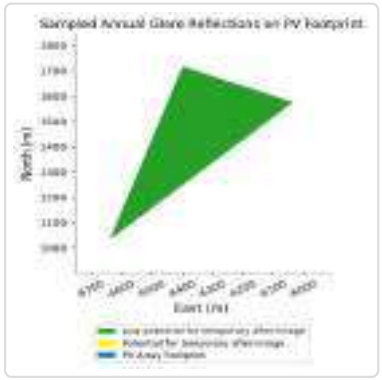
PV array is expected to produce the following glare for this receptor:

- 914 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





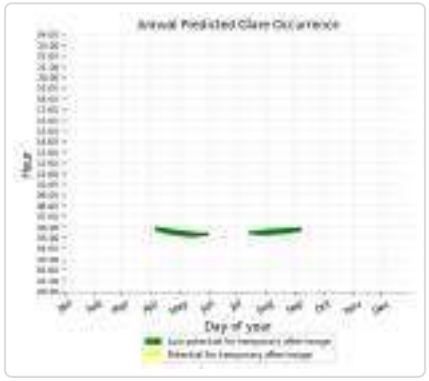


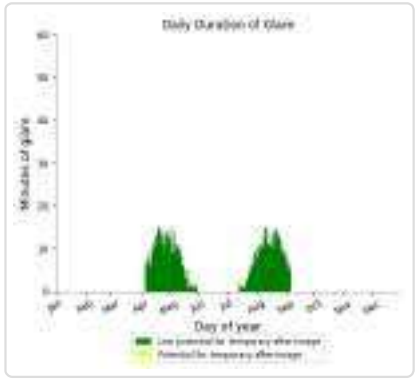


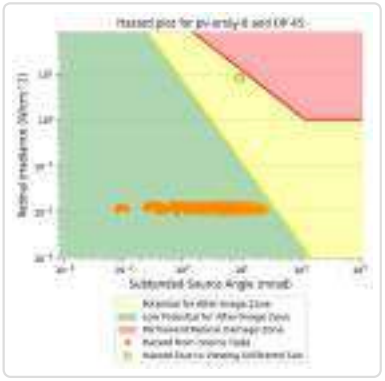
PV array 8: OP 45

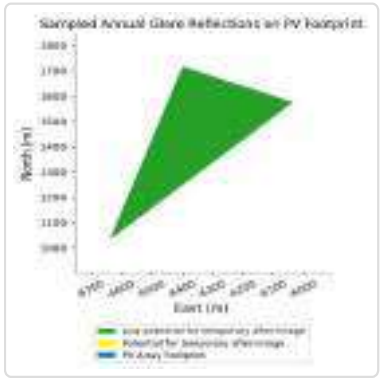
PV array is expected to produce the following glare for this receptor:

- 944 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





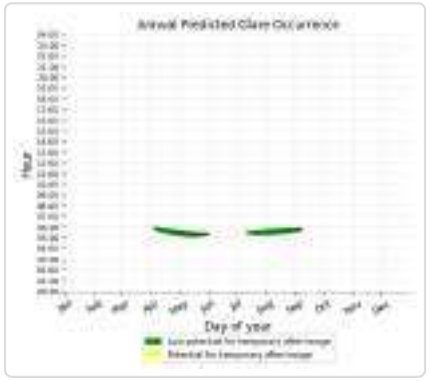


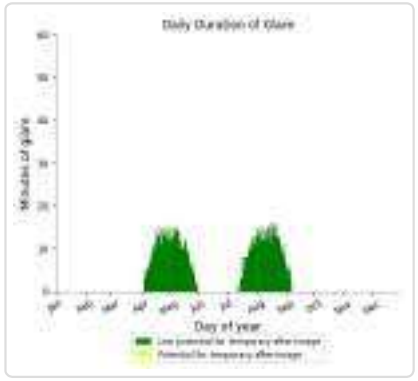


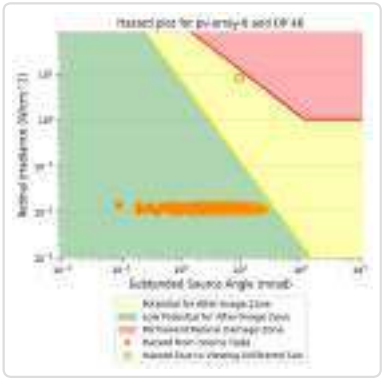
PV array 8: OP 46

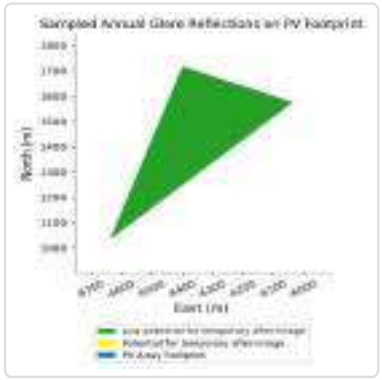
PV array is expected to produce the following glare for this receptor:

- 1,150 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





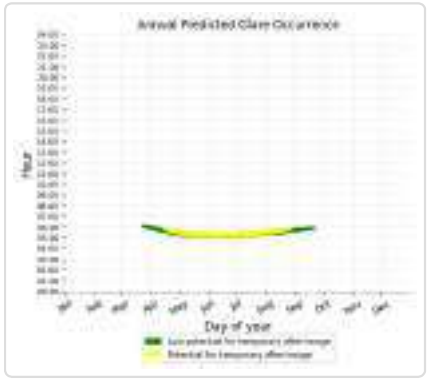


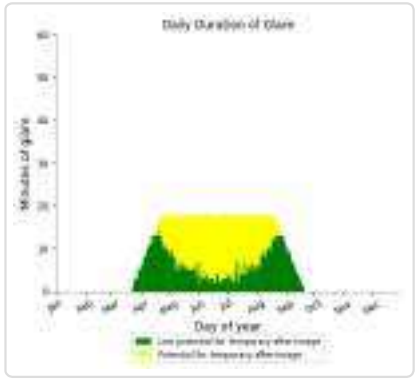


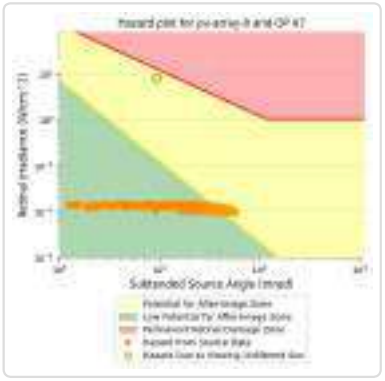
PV array 8: OP 47

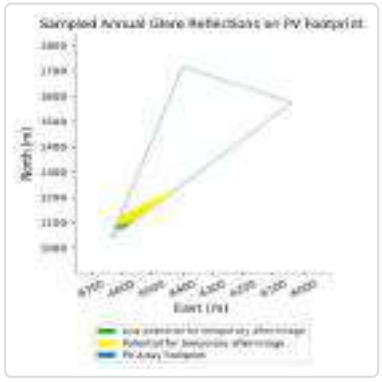
PV array is expected to produce the following glare for this receptor:

- 1,203 minutes of "green" glare with low potential to cause temporary after-image.
- 1,475 minutes of "yellow" glare with potential to cause temporary after-image.





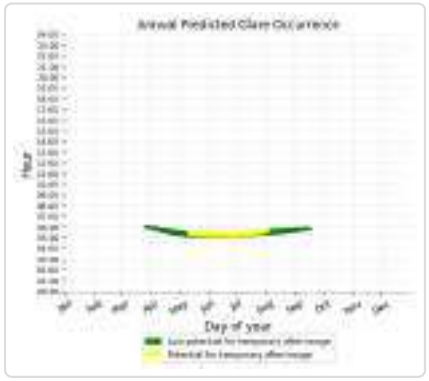


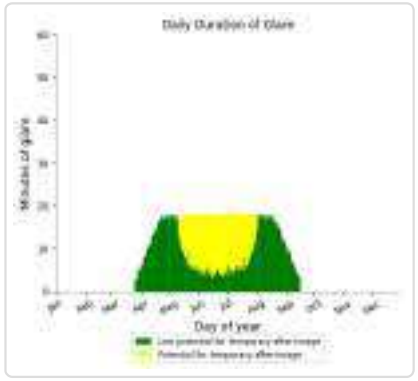


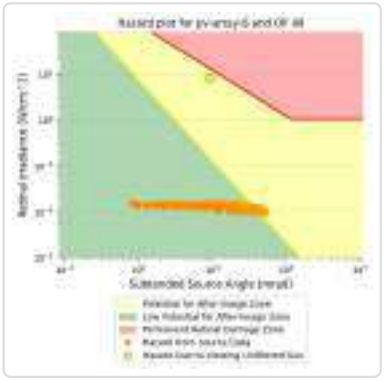
PV array 8: OP 48

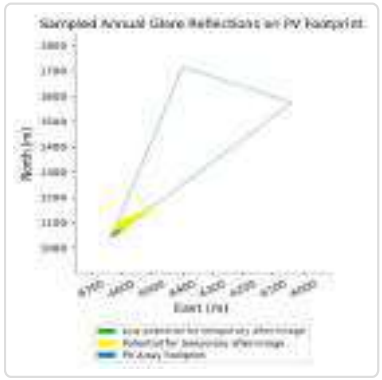
PV array is expected to produce the following glare for this receptor:

- 1,682 minutes of "green" glare with low potential to cause temporary after-image.
- 1,000 minutes of "yellow" glare with potential to cause temporary after-image.





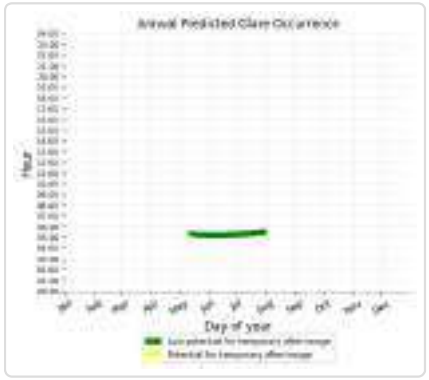


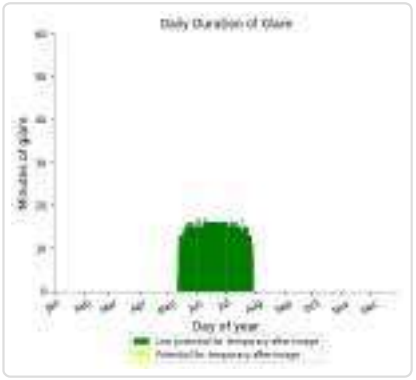


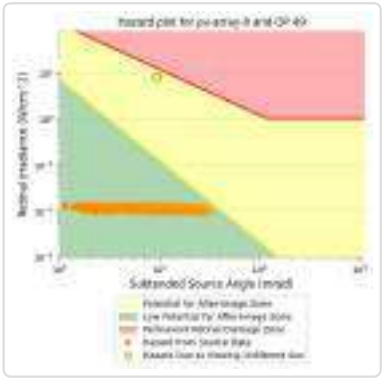
PV array 8: OP 49

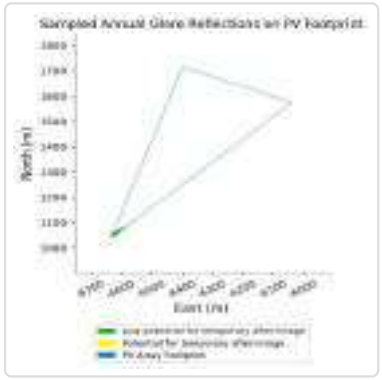
PV array is expected to produce the following glare for this receptor:

- 1,214 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 8: OP 50

No glare found

PV array 8: OP 51

No glare found

PV array 8: OP 52

No glare found

PV array 8: OP 53

No glare found

PV array 8: OP 54

No glare found

PV array 8: OP 55

No glare found

PV array 8: OP 56

No glare found

PV array 8: OP 57

No glare found

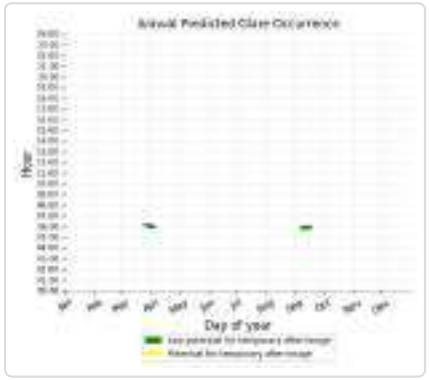
PV array 8: OP 58

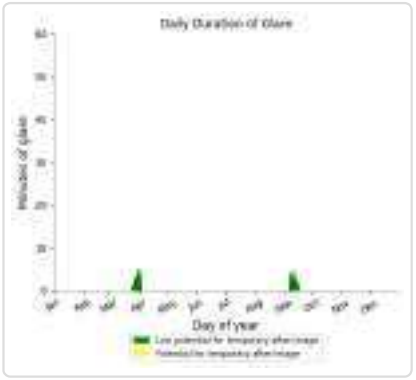
No glare found

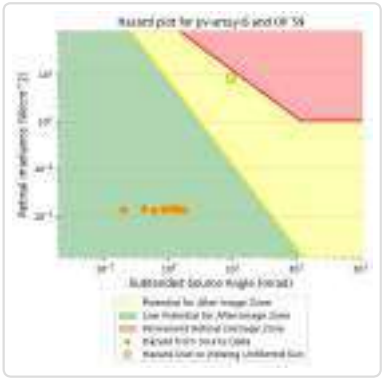
PV array 8: OP 59

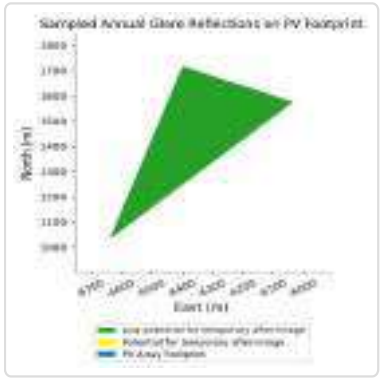
PV array is expected to produce the following glare for this receptor:

- 68 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 8: OP 60

No glare found

PV array 8: OP 61

No glare found

PV array 8: OP 62

No glare found

PV array 8: OP 63

No glare found

PV array 8: OP 64

No glare found

PV array 8: OP 65

No glare found

PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0

OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	19	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 9: OP 1

No glare found

PV array 9: OP 2

No glare found

PV array 9: OP 3

No glare found

PV array 9: OP 4

No glare found

PV array 9: OP 5

No glare found

PV array 9: OP 6

No glare found

PV array 9: OP 7

No glare found

PV array 9: OP 8

No glare found

PV array 9: OP 9

No glare found

PV array 9: OP 10

No glare found

PV array 9: OP 11

No glare found

PV array 9: OP 12

No glare found

PV array 9: OP 13

No glare found

PV array 9: OP 14

No glare found

PV array 9: OP 15

No glare found

PV array 9: OP 16

No glare found

PV array 9: OP 17

No glare found

PV array 9: OP 18

No glare found

PV array 9: OP 19

No glare found

PV array 9: OP 20

No glare found

PV array 9: OP 21

No glare found

PV array 9: OP 22

No glare found

PV array 9: OP 23

No glare found

PV array 9: OP 24

No glare found

PV array 9: OP 25

No glare found

PV array 9: OP 26

No glare found

PV array 9: OP 27

No glare found

PV array 9: OP 28

No glare found

PV array 9: OP 29

No glare found

PV array 9: OP 30

No glare found

PV array 9: OP 31

No glare found

PV array 9: OP 32

No glare found

PV array 9: OP 33

No glare found

PV array 9: OP 34

No glare found

PV array 9: OP 35

No glare found

PV array 9: OP 36

No glare found

PV array 9: OP 37

No glare found

PV array 9: OP 38

No glare found

PV array 9: OP 39

No glare found

PV array 9: OP 40

No glare found

PV array 9: OP 41

No glare found

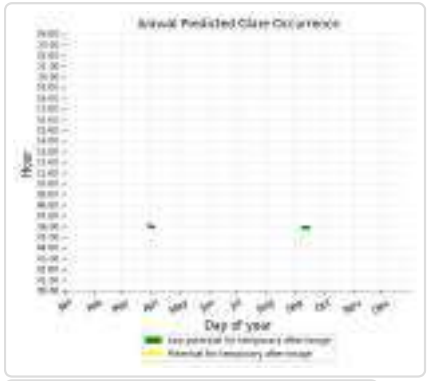
PV array 9: OP 42

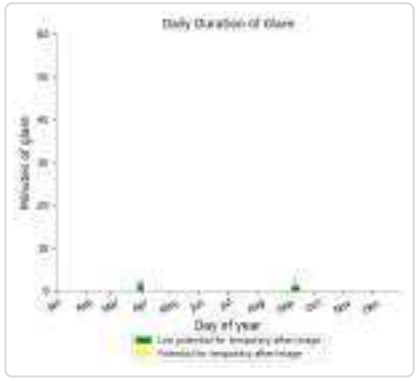
No glare found

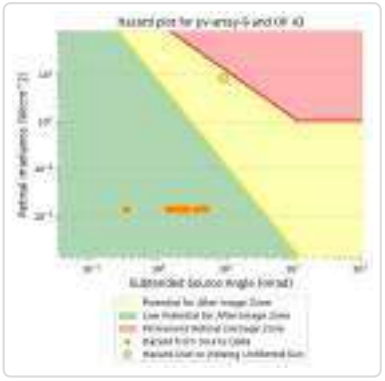
PV array 9: OP 43

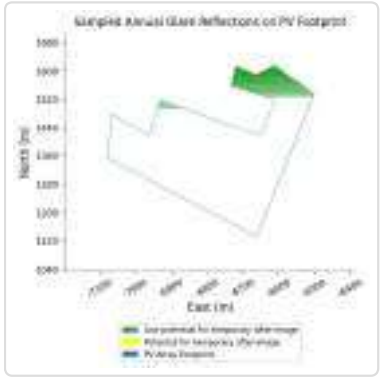
PV array is expected to produce the following glare for this receptor:

- 19 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 9: OP 44

No glare found

PV array 9: OP 45

No glare found

PV array 9: OP 46

No glare found

PV array 9: OP 47

No glare found

PV array 9: OP 48

No glare found

PV array 9: OP 49

No glare found

PV array 9: OP 50

No glare found

PV array 9: OP 51

No glare found

PV array 9: OP 52

No glare found

PV array 9: OP 53

No glare found

PV array 9: OP 54

No glare found

PV array 9: OP 55

No glare found

PV array 9: OP 56

No glare found

PV array 9: OP 57

No glare found

PV array 9: OP 58

No glare found

PV array 9: OP 59

No glare found

PV array 9: OP 60

No glare found

PV array 9: OP 61

No glare found

PV array 9: OP 62

No glare found

PV array 9: OP 63

No glare found

PV array 9: OP 64

No glare found

PV array 9: OP 65

No glare found

Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions.
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provi additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Appendix C: Residential Receptor Glare Results (1-65) (25 Deg)

ForgeSolar

East Park Solar

Residential Receptors 1 - 65 25 Deg

Client: Axis

Created Jun 12, 2024
Updated Sep 01, 2025
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 121500.20781

Project type Advanced
Project status: active
Category 100 MW to 1 GW

Misc. Analysis Settings

DNI: **varies (1,000.0 W/m^2 peak)**
Ocular transmission coefficient: **0.5**
Pupil diameter: **0.002 m**
Eye focal length: **0.017 m**
Sun subtended angle: **9.3 mrad**

PV Analysis Methodology: **Version 2**
Enhanced subtended angle calculation: **On**

Summary of Results Glare with potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV array 1	25.0	180.0	79	0	-
PV array 10	25.0	180.0	34,388	0	-
PV array 11	25.0	180.0	29,422	13,565	-
PV array 12	25.0	180.0	17,794	2,558	-
PV array 2	25.0	180.0	0	0	-
PV array 3	25.0	180.0	5,612	0	-
PV array 4	25.0	180.0	10,906	0	-
PV array 5	25.0	180.0	2,674	0	-
PV array 6	25.0	180.0	11,268	259	-
PV array 7	25.0	180.0	25,043	23,453	-
PV array 8	25.0	180.0	8,058	2,340	-
PV array 9	25.0	180.0	34	0	-

Component Data

PV Array(s)

Total PV footprint area: 5,297,679 m^2

Name: PV array 1
Footprint area: 340,804 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.253373	-0.321025	39.03	3.00	42.03
2	52.256814	-0.318192	27.50	3.00	30.50
3	52.258916	-0.322312	25.83	3.00	28.83
4	52.259310	-0.324758	27.00	3.00	30.00
5	52.259730	-0.325703	27.00	3.00	30.00
6	52.259388	-0.326818	27.00	3.00	30.00
7	52.259362	-0.329136	29.00	3.00	32.00
8	52.258259	-0.329307	29.20	3.00	32.20
9	52.257129	-0.328964	28.04	3.00	31.04
10	52.257077	-0.327891	28.11	3.00	31.11
11	52.255133	-0.328535	31.41	3.00	34.41

Name: PV array 10
Footprint area: 176,221 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.263940	-0.450080	69.41	3.00	72.41
2	52.262653	-0.448835	70.67	3.00	73.67
3	52.264518	-0.444501	74.28	3.00	77.28
4	52.266540	-0.437978	72.47	3.00	75.47
5	52.267381	-0.436991	70.83	3.00	73.83
6	52.268851	-0.438107	71.87	3.00	74.87
7	52.268247	-0.439866	70.08	3.00	73.08
8	52.266908	-0.441411	70.54	3.00	73.54
9	52.267013	-0.441969	69.28	3.00	72.28
10	52.266041	-0.443342	73.06	3.00	76.06
11	52.266672	-0.445274	69.22	3.00	72.22
12	52.265700	-0.446046	70.51	3.00	73.51
13	52.265542	-0.447291	69.96	3.00	72.96

Name: PV array 11
Footprint area: 458,524 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.269954	-0.440896	60.06	3.00	63.06
2	52.271189	-0.442312	50.49	3.00	53.49
3	52.272659	-0.441239	48.01	3.00	51.01
4	52.273106	-0.443428	45.53	3.00	48.53
5	52.275023	-0.441154	44.00	3.00	47.00
6	52.274576	-0.435060	45.25	3.00	48.25
7	52.275233	-0.433944	43.67	3.00	46.67
8	52.275417	-0.435017	44.00	3.00	47.00
9	52.277911	-0.434802	40.95	3.00	43.95
10	52.278016	-0.432699	40.10	3.00	43.10
11	52.277438	-0.432313	40.06	3.00	43.06
12	52.276598	-0.424803	37.00	3.00	40.00
13	52.277176	-0.421928	37.25	3.00	40.25
14	52.274419	-0.421842	40.16	3.00	43.16
15	52.273736	-0.423473	45.03	3.00	48.03
16	52.274261	-0.424331	43.45	3.00	46.45
17	52.274550	-0.426305	43.01	3.00	46.01
18	52.274287	-0.427979	45.61	3.00	48.61
19	52.274445	-0.429609	46.04	3.00	49.04
20	52.274655	-0.430897	46.31	3.00	49.31
21	52.274130	-0.432656	50.40	3.00	53.40
22	52.273211	-0.433815	54.59	3.00	57.59
23	52.273158	-0.436605	49.49	3.00	52.49

Name: PV array 12
Footprint area: 165,528 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.281377	-0.433772	42.28	3.00	45.28
2	52.279565	-0.434888	39.64	3.00	42.64
3	52.279539	-0.433386	40.69	3.00	43.69
4	52.278988	-0.432227	40.41	3.00	43.41
5	52.277990	-0.431455	39.12	3.00	42.12
6	52.277727	-0.429910	38.14	3.00	41.14
7	52.277386	-0.428365	38.45	3.00	41.45
8	52.277570	-0.427206	38.00	3.00	41.00
9	52.277307	-0.426305	37.35	3.00	40.35
10	52.277333	-0.424760	37.38	3.00	40.38
11	52.280432	-0.426605	42.30	3.00	45.30
12	52.280379	-0.430983	44.82	3.00	47.82

Name: PV array 2
Footprint area: 455,267 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.253451	-0.321969	38.80	3.00	41.80
2	52.251350	-0.322398	41.09	3.00	44.09
3	52.250246	-0.316433	38.10	3.00	41.10
4	52.248039	-0.317248	34.28	3.00	37.28
5	52.249169	-0.322398	36.70	3.00	39.70
6	52.249090	-0.329050	38.25	3.00	41.25
7	52.249983	-0.334243	39.10	3.00	42.10
8	52.252033	-0.334414	42.47	3.00	45.47
9	52.252190	-0.329007	43.23	3.00	46.23
10	52.254502	-0.328578	33.21	3.00	36.21
11	52.254791	-0.327634	32.89	3.00	35.89

Name: PV array 3
Footprint area: 408,190 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.256867	-0.341710	26.27	3.00	29.27
2	52.255790	-0.342010	27.99	3.00	30.99
3	52.254476	-0.343856	30.98	3.00	33.98
4	52.255527	-0.354585	50.50	3.00	53.50
5	52.261306	-0.352868	30.04	3.00	33.04
6	52.261411	-0.351066	28.28	3.00	31.28
7	52.261122	-0.349564	28.42	3.00	31.42
8	52.258653	-0.350722	30.78	3.00	33.78
9	52.257891	-0.350465	31.93	3.00	34.93
10	52.259835	-0.349778	29.53	3.00	32.53
11	52.259126	-0.346302	27.13	3.00	30.13
12	52.258154	-0.344542	27.43	3.00	30.43
13	52.258101	-0.343298	27.00	3.00	30.00

Name: PV array 4
Footprint area: 246,626 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.262934	-0.353254	31.27	3.00	34.27
2	52.261201	-0.353683	30.97	3.00	33.97
3	52.261017	-0.353211	30.25	3.00	33.25
4	52.257733	-0.354155	37.24	3.00	40.24
5	52.257891	-0.360292	41.79	3.00	44.79
6	52.258732	-0.360078	38.71	3.00	41.71
7	52.260544	-0.359863	37.07	3.00	40.07
8	52.261385	-0.359992	35.85	3.00	38.85
9	52.263039	-0.359177	33.48	3.00	36.48

Name: PV array 5
Footprint area: 65,372 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.264277	-0.378695	30.70	3.00	33.70
2	52.264408	-0.382000	31.89	3.00	34.89
3	52.261519	-0.381656	31.65	3.00	34.65
4	52.261756	-0.378609	31.30	3.00	34.30

Name: PV array 6
Footprint area: 924,603 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.264435	-0.382171	32.17	3.00	35.17
2	52.261493	-0.381785	31.70	3.00	34.70
3	52.261283	-0.384403	34.00	3.00	37.00
4	52.257500	-0.383802	38.47	3.00	41.47
5	52.257238	-0.385905	39.88	3.00	42.88
6	52.259628	-0.386162	34.80	3.00	37.80
7	52.258387	-0.387879	37.20	3.00	40.20
8	52.258301	-0.393243	40.00	3.00	43.00
9	52.261257	-0.393758	37.00	3.00	40.00
10	52.263542	-0.393758	35.86	3.00	38.86
11	52.264093	-0.398179	33.90	3.00	36.90
12	52.266273	-0.398007	32.00	3.00	35.00
13	52.266982	-0.400968	33.01	3.00	36.01
14	52.268269	-0.396333	32.04	3.00	35.04
15	52.267035	-0.395003	32.46	3.00	35.46
16	52.266168	-0.395260	32.36	3.00	35.36
17	52.264750	-0.393758	33.40	3.00	36.40
18	52.265748	-0.393501	32.08	3.00	35.08
19	52.265617	-0.392943	32.00	3.00	35.00
20	52.267035	-0.393072	31.90	3.00	34.90
21	52.267114	-0.393587	32.11	3.00	35.11
22	52.267068	-0.394788	32.56	0.00	32.56
23	52.268335	-0.396204	32.00	0.00	32.00
24	52.268689	-0.393715	31.00	3.00	34.00
25	52.268689	-0.390583	30.17	3.00	33.17
26	52.268348	-0.390111	30.10	3.00	33.10
27	52.268584	-0.382214	34.00	3.00	37.00
28	52.267298	-0.382042	34.07	3.00	37.07
29	52.267324	-0.385261	33.88	3.00	36.88
30	52.264566	-0.385047	31.18	3.00	34.18

Name: PV array 7
Footprint area: 1,785,790 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.259385	-0.396097	38.97	3.00	41.97
2	52.261598	-0.396183	38.00	3.00	41.00
3	52.262675	-0.401741	37.05	3.00	40.05
4	52.262885	-0.402298	37.54	3.00	40.54
5	52.262833	-0.405260	38.53	3.00	41.53
6	52.263305	-0.407920	39.00	3.00	42.00
7	52.267928	-0.405345	33.00	3.00	36.00
8	52.268322	-0.407062	33.26	3.00	36.26
9	52.264303	-0.413886	36.17	3.00	39.17
10	52.261362	-0.419550	40.01	3.00	43.01
11	52.259996	-0.417963	39.86	3.00	42.86
12	52.258682	-0.420366	39.95	3.00	42.95
13	52.257421	-0.418821	47.13	3.00	50.13
14	52.258446	-0.416976	43.19	3.00	46.19
15	52.257632	-0.416289	49.06	3.00	52.06
16	52.258866	-0.412255	42.71	3.00	45.71
17	52.257789	-0.412298	45.95	3.00	48.95
18	52.257185	-0.412341	46.49	3.00	49.49
19	52.255294	-0.415516	52.29	3.00	55.29
20	52.253770	-0.419293	60.23	3.00	63.23
21	52.252798	-0.419808	63.53	3.00	66.53
22	52.252588	-0.418435	60.42	3.00	63.42
23	52.252272	-0.416031	53.78	3.00	56.78
24	52.251721	-0.414444	49.65	3.00	52.65
25	52.252614	-0.414014	49.51	3.00	52.51
26	52.253586	-0.412555	46.83	3.00	49.83
27	52.255005	-0.410710	45.02	3.00	48.02
28	52.256344	-0.408521	43.00	3.00	46.00
29	52.255294	-0.408907	42.65	3.00	45.65
30	52.254427	-0.407877	42.97	3.00	45.97
31	52.253428	-0.405345	54.32	3.00	57.32
32	52.254216	-0.403929	52.65	3.00	55.65
33	52.253061	-0.404444	58.85	3.00	61.85
34	52.252509	-0.404058	60.60	3.00	63.60
35	52.252772	-0.402899	60.16	3.00	63.16
36	52.251589	-0.403543	62.33	3.00	65.33
37	52.250722	-0.401912	67.42	3.00	70.42
38	52.249724	-0.401483	70.66	3.00	73.66
39	52.249803	-0.399337	69.43	3.00	72.43
40	52.249619	-0.398522	69.95	3.00	72.95
41	52.249908	-0.396848	68.63	3.00	71.63
42	52.250065	-0.395518	68.31	3.00	71.31
43	52.250381	-0.395303	67.74	3.00	70.74
44	52.250460	-0.394531	67.50	3.00	70.50
45	52.251878	-0.394102	62.70	3.00	65.70
46	52.253586	-0.394574	54.58	3.00	57.58
47	52.255399	-0.393286	43.67	3.00	46.67
48	52.255635	-0.393458	42.64	3.00	45.64
49	52.255661	-0.395732	46.22	3.00	49.22
50	52.257159	-0.394273	41.00	3.00	44.00
51	52.257316	-0.397192	42.21	3.00	45.21
52	52.256738	-0.397749	43.77	3.00	46.77
53	52.256738	-0.398951	44.21	3.00	47.21
54	52.254900	-0.399251	51.47	3.00	54.47
55	52.254663	-0.402170	52.65	3.00	55.65
56	52.255189	-0.402599	49.22	3.00	52.22
57	52.255530	-0.403157	46.28	3.00	49.28
58	52.256344	-0.403114	43.31	3.00	46.31
59	52.256844	-0.402384	41.92	3.00	44.92
60	52.257448	-0.401311	41.31	3.00	44.31

61	52.258551	-0.400668	41.97	3.00	44.97
62	52.258682	-0.400281	41.82	3.00	44.82
63	52.259457	-0.400217	41.00	3.00	44.00
64	52.259365	-0.397492	40.66	3.00	43.66

Name: PV array 8
Footprint area: 138,869 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.262727	-0.418148	38.98	3.00	41.98
2	52.267560	-0.409393	34.03	3.00	37.03
3	52.268820	-0.414672	38.91	3.00	41.91

Name: PV array 9
Footprint area: 131,885 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.263567	-0.418577	39.74	3.00	42.74
2	52.265590	-0.424714	47.00	3.00	50.00
3	52.266693	-0.424499	45.23	3.00	48.23
4	52.266141	-0.422954	44.93	3.00	47.93
5	52.267034	-0.422525	43.57	3.00	46.57
6	52.266141	-0.418405	41.92	3.00	44.92
7	52.267061	-0.417805	40.58	3.00	43.58
8	52.267402	-0.419607	41.00	3.00	44.00
9	52.267901	-0.419435	40.35	3.00	43.35
10	52.267691	-0.418577	40.40	3.00	43.40
11	52.267927	-0.417848	40.00	3.00	43.00
12	52.267192	-0.416217	40.45	3.00	43.45

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	52.281416	-0.450665	52.44	2.00	54.44
OP 2	52.280766	-0.450128	51.55	2.00	53.55
OP 3	52.279939	-0.448224	47.18	2.00	49.18
OP 4	52.279683	-0.447425	46.41	2.00	48.41
OP 5	52.279243	-0.448374	47.82	2.00	49.82
OP 6	52.279640	-0.449908	50.66	2.00	52.66
OP 7	52.280224	-0.451368	53.36	2.00	55.36
OP 8	52.280064	-0.452349	54.50	2.00	56.50
OP 9	52.280316	-0.445853	45.23	2.00	47.23
OP 10	52.283691	-0.424552	43.00	2.00	45.00
OP 11	52.281319	-0.411720	43.89	2.00	45.89
OP 12	52.281181	-0.410465	45.20	2.00	47.20
OP 13	52.280839	-0.408770	44.98	2.00	46.98
OP 14	52.278923	-0.414993	39.81	2.00	41.81
OP 15	52.279330	-0.412514	40.53	2.00	42.53
OP 16	52.279074	-0.411516	41.45	2.00	43.45
OP 17	52.279100	-0.410594	41.87	2.00	43.87
OP 18	52.278536	-0.409199	39.28	2.00	41.28
OP 19	52.276645	-0.415282	37.62	2.00	39.62
OP 20	52.276875	-0.414885	37.29	2.00	39.29
OP 21	52.274636	-0.416108	37.07	2.00	39.07
OP 22	52.275884	-0.412804	40.20	2.00	42.20
OP 23	52.276225	-0.411559	38.71	2.00	40.71
OP 24	52.276140	-0.409950	38.36	2.00	40.36
OP 25	52.275884	-0.409456	37.55	2.00	39.55
OP 26	52.275168	-0.413963	41.29	2.00	43.29
OP 27	52.274315	-0.413158	39.96	2.00	41.96
OP 28	52.274846	-0.411988	41.31	2.00	43.31
OP 29	52.272923	-0.420754	41.58	2.00	43.58
OP 30	52.272585	-0.414510	40.21	2.00	42.21
OP 31	52.272355	-0.414596	40.68	2.00	42.68
OP 32	52.272233	-0.417010	42.78	2.00	44.78
OP 33	52.271705	-0.417809	43.64	2.00	45.64
OP 34	52.271314	-0.419386	44.00	2.00	46.00
OP 35	52.270494	-0.416806	41.44	2.00	43.44
OP 36	52.270697	-0.415078	41.59	2.00	43.59
OP 37	52.269932	-0.414360	39.06	2.00	41.06
OP 38	52.269804	-0.412380	36.81	2.00	38.81
OP 39	52.269732	-0.412010	36.04	2.00	38.04
OP 40	52.269794	-0.410481	35.32	2.00	37.32
OP 41	52.268058	-0.457736	51.95	2.00	53.95
OP 42	52.267940	-0.458289	52.24	2.00	54.24
OP 43	52.266975	-0.459329	50.57	2.00	52.57
OP 44	52.258746	-0.460356	59.96	2.00	61.96
OP 45	52.258411	-0.460463	61.34	2.00	63.34
OP 46	52.258628	-0.459766	61.83	2.00	63.83
OP 47	52.263008	-0.419239	40.00	2.00	42.00
OP 48	52.262656	-0.419701	40.00	2.00	42.00
OP 49	52.262197	-0.420210	40.64	2.00	42.64
OP 50	52.261218	-0.422345	40.07	2.00	42.07
OP 51	52.261261	-0.421675	40.02	2.00	42.02
OP 52	52.260765	-0.421718	40.74	2.00	42.74
OP 53	52.258894	-0.423043	42.05	2.00	44.05
OP 54	52.257974	-0.422769	42.76	2.00	44.76
OP 55	52.257544	-0.423273	44.12	2.00	46.12
OP 56	52.256789	-0.423880	46.07	2.00	48.07
OP 57	52.256490	-0.425065	46.89	2.00	48.89
OP 58	52.256530	-0.426910	45.16	2.00	47.16

OP 59	52.255732	-1.000000	126.13	2.00	128.13
OP 60	52.255991	-0.429893	45.70	2.00	47.70
OP 61	52.255032	-0.431175	47.10	2.00	49.10
OP 62	52.254727	-0.432865	46.79	2.00	48.79
OP 63	52.253870	-0.434136	47.00	2.00	49.00
OP 64	52.255808	-0.425086	48.84	2.00	50.84
OP 65	52.255125	-0.424802	52.19	2.00	54.19

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
PV array 1	25.0	180.0	79	0	-	-
PV array 10	25.0	180.0	34,388	0	-	-
PV array 11	25.0	180.0	29,422	13,565	-	-
PV array 12	25.0	180.0	17,794	2,558	-	-
PV array 2	25.0	180.0	0	0	-	-
PV array 3	25.0	180.0	5,612	0	-	-
PV array 4	25.0	180.0	10,906	0	-	-
PV array 5	25.0	180.0	2,674	0	-	-
PV array 6	25.0	180.0	11,268	259	-	-
PV array 7	25.0	180.0	25,043	23,453	-	-
PV array 8	25.0	180.0	8,058	2,340	-	-
PV array 9	25.0	180.0	34	0	-	-

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pv-array-1 (green)	0	0	37	2	0	0	0	0	40	0	0	0
pv-array-1 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-10 (green)	0	0	170	699	724	748	750	730	394	0	0	0
pv-array-10 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-11 (green)	0	0	17	753	853	337	597	1042	131	0	0	0
pv-array-11 (yellow)	0	0	0	4	105	768	377	4	0	0	0	0
pv-array-12 (green)	0	0	232	1093	390	626	396	1015	529	0	0	0
pv-array-12 (yellow)	0	0	0	5	207	218	261	44	0	0	0	0
pv-array-3 (green)	0	0	40	275	0	0	0	147	167	0	0	0
pv-array-3 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-4 (green)	0	0	50	448	0	0	0	307	186	0	0	0
pv-array-4 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-5 (green)	0	0	104	326	382	31	253	372	222	0	0	0
pv-array-5 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-6 (green)	0	0	187	768	693	636	651	813	427	0	0	0
pv-array-6 (yellow)	0	0	0	6	20	25	22	11	0	0	0	0
pv-array-7 (green)	0	0	309	476	357	246	312	455	473	4	0	0
pv-array-7 (yellow)	0	0	10	282	397	458	422	376	71	0	0	0
pv-array-8 (green)	0	0	38	300	135	132	136	226	155	0	0	0
pv-array-8 (yellow)	0	0	0	0	75	46	95	1	0	0	0	0
pv-array-9 (green)	0	0	1	12	5	0	0	9	7	0	0	0
pv-array-9 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

PV array 1 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0

OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	79	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 1: OP 1

No glare found

PV array 1: OP 2

No glare found

PV array 1: OP 3

No glare found

PV array 1: OP 4

No glare found

PV array 1: OP 5

No glare found

PV array 1: OP 6

No glare found

PV array 1: OP 7

No glare found

PV array 1: OP 8

No glare found

PV array 1: OP 9
No glare found

PV array 1: OP 10
No glare found

PV array 1: OP 11
No glare found

PV array 1: OP 12
No glare found

PV array 1: OP 13
No glare found

PV array 1: OP 14
No glare found

PV array 1: OP 15
No glare found

PV array 1: OP 16
No glare found

PV array 1: OP 17
No glare found

PV array 1: OP 18
No glare found

PV array 1: OP 19
No glare found

PV array 1: OP 20
No glare found

PV array 1: OP 21
No glare found

PV array 1: OP 22
No glare found

PV array 1: OP 23
No glare found

PV array 1: OP 24
No glare found

PV array 1: OP 25
No glare found

PV array 1: OP 26
No glare found

PV array 1: OP 27
No glare found

PV array 1: OP 28
No glare found

PV array 1: OP 29
No glare found

PV array 1: OP 30
No glare found

PV array 1: OP 31
No glare found

PV array 1: OP 32
No glare found

PV array 1: OP 33
No glare found

PV array 1: OP 34
No glare found

PV array 1: OP 35
No glare found

PV array 1: OP 36
No glare found

PV array 1: OP 37
No glare found

PV array 1: OP 38
No glare found

PV array 1: OP 39
No glare found

PV array 1: OP 40
No glare found

PV array 1: OP 41
No glare found

PV array 1: OP 42
No glare found

PV array 1: OP 43
No glare found

PV array 1: OP 44
No glare found

PV array 1: OP 45
No glare found

PV array 1: OP 46
No glare found

PV array 1: OP 47
No glare found

PV array 1: OP 48
No glare found

PV array 1: OP 49
No glare found

PV array 1: OP 50
No glare found

PV array 1: OP 51
No glare found

PV array 1: OP 52
No glare found

PV array 1: OP 53
No glare found

PV array 1: OP 54

No glare found

PV array 1: OP 55

No glare found

PV array 1: OP 56

No glare found

PV array 1: OP 57

No glare found

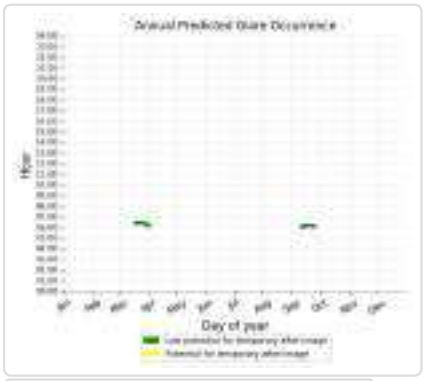
PV array 1: OP 58

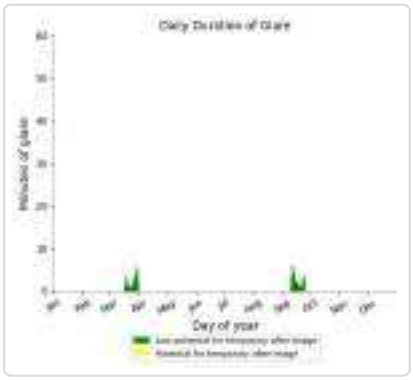
No glare found

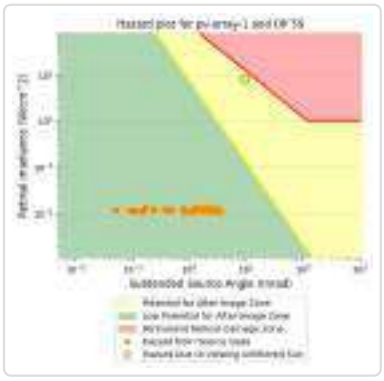
PV array 1: OP 59

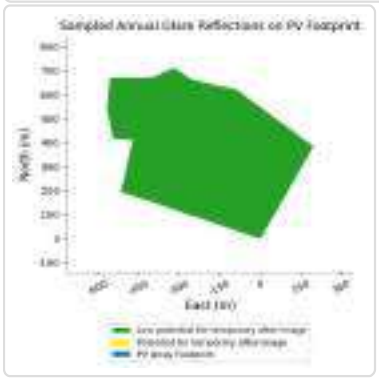
PV array is expected to produce the following glare for this receptor:

- 79 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 1: OP 60

No glare found

PV array 1: OP 61

No glare found

PV array 1: OP 62

No glare found

PV array 1: OP 63

No glare found

PV array 1: OP 64

No glare found

PV array 1: OP 65

No glare found

PV array 10 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0

OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	24	0
OP: OP 42	50	0
OP: OP 43	275	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	3504	0
OP: OP 48	3539	0
OP: OP 49	3527	0
OP: OP 50	3508	0
OP: OP 51	3504	0
OP: OP 52	3419	0
OP: OP 53	2863	0
OP: OP 54	2468	0
OP: OP 55	2231	0
OP: OP 56	1772	0
OP: OP 57	1411	0
OP: OP 58	1078	0
OP: OP 59	388	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	827	0
OP: OP 65	0	0

PV array 10: OP 1

No glare found

PV array 10: OP 2

No glare found

PV array 10: OP 3

No glare found

PV array 10: OP 4

No glare found

PV array 10: OP 5

No glare found

PV array 10: OP 6

No glare found

PV array 10: OP 7
No glare found

PV array 10: OP 8
No glare found

PV array 10: OP 9
No glare found

PV array 10: OP 10
No glare found

PV array 10: OP 11
No glare found

PV array 10: OP 12
No glare found

PV array 10: OP 13
No glare found

PV array 10: OP 14
No glare found

PV array 10: OP 15
No glare found

PV array 10: OP 16
No glare found

PV array 10: OP 17
No glare found

PV array 10: OP 18
No glare found

PV array 10: OP 19
No glare found

PV array 10: OP 20
No glare found

PV array 10: OP 21
No glare found

PV array 10: OP 22
No glare found

PV array 10: OP 23
No glare found

PV array 10: OP 24
No glare found

PV array 10: OP 25
No glare found

PV array 10: OP 26
No glare found

PV array 10: OP 27
No glare found

PV array 10: OP 28
No glare found

PV array 10: OP 29
No glare found

PV array 10: OP 30
No glare found

PV array 10: OP 31
No glare found

PV array 10: OP 32
No glare found

PV array 10: OP 33
No glare found

PV array 10: OP 34
No glare found

PV array 10: OP 35
No glare found

PV array 10: OP 36
No glare found

PV array 10: OP 37

No glare found

PV array 10: OP 38

No glare found

PV array 10: OP 39

No glare found

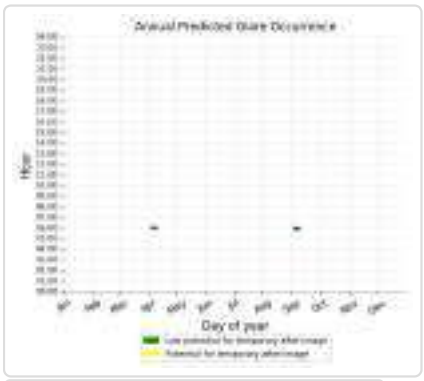
PV array 10: OP 40

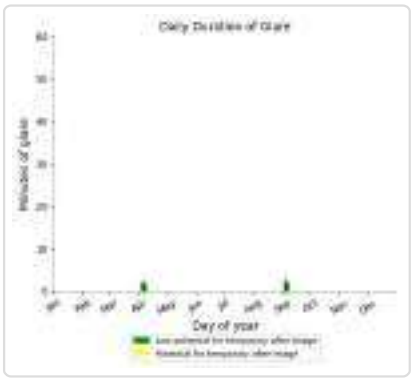
No glare found

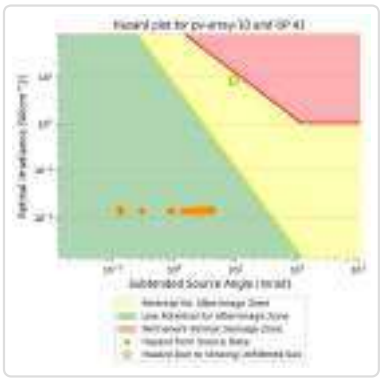
PV array 10: OP 41

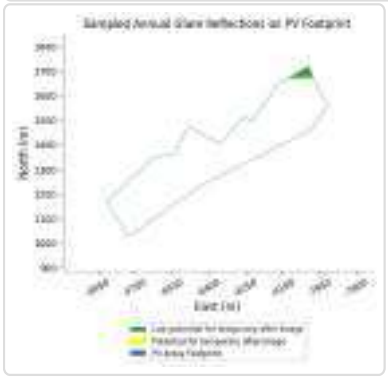
PV array is expected to produce the following glare for this receptor:

- 24 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





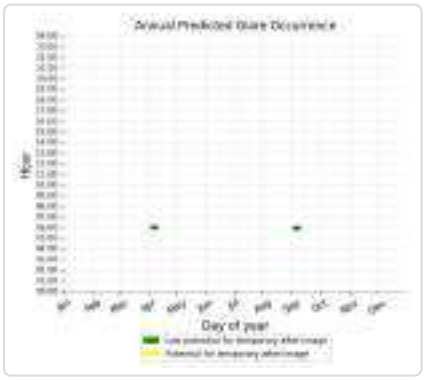


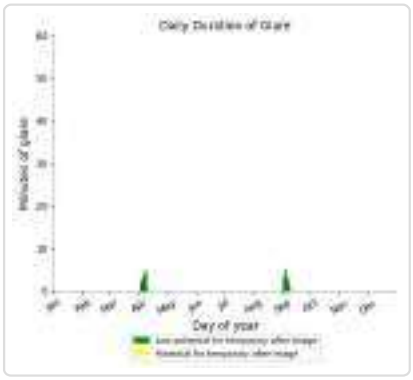


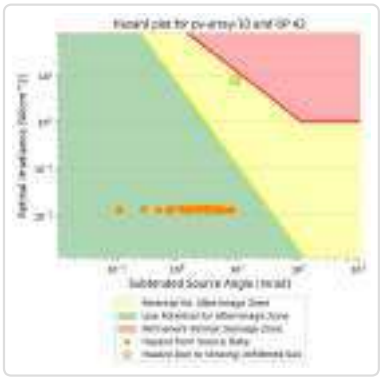
PV array 10: OP 42

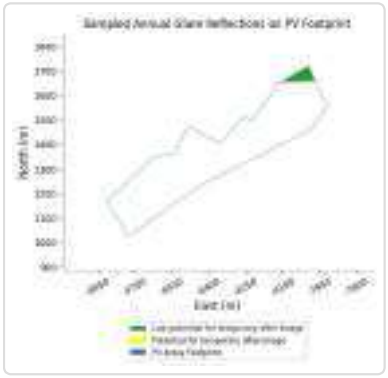
PV array is expected to produce the following glare for this receptor:

- 50 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





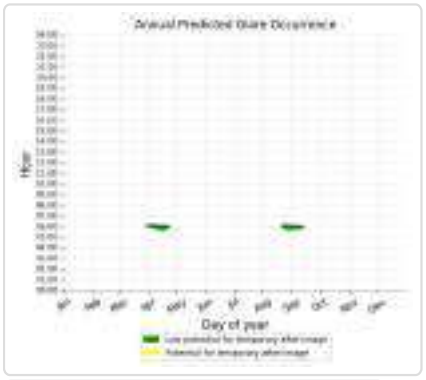


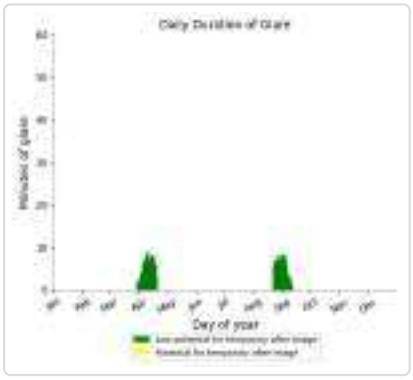


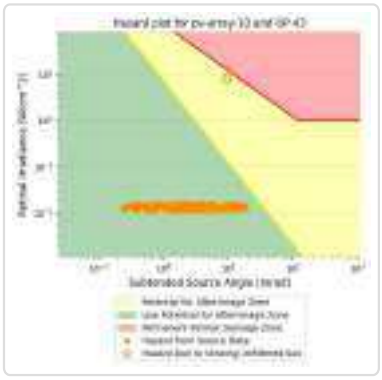
PV array 10: OP 43

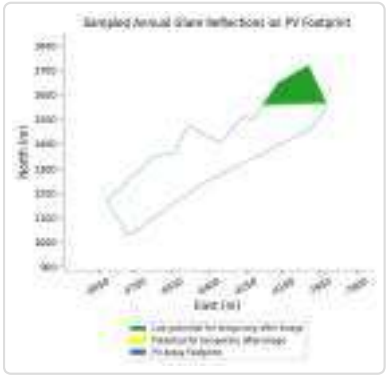
PV array is expected to produce the following glare for this receptor:

- 275 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 10: OP 44

No glare found

PV array 10: OP 45

No glare found

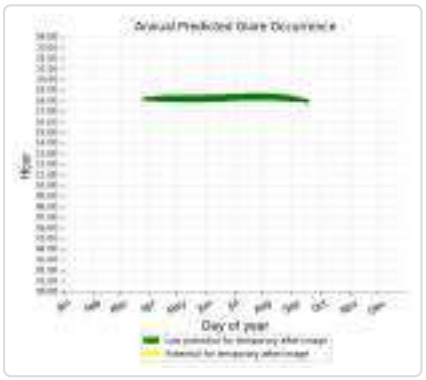
PV array 10: OP 46

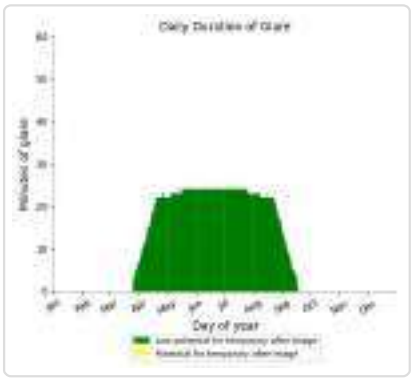
No glare found

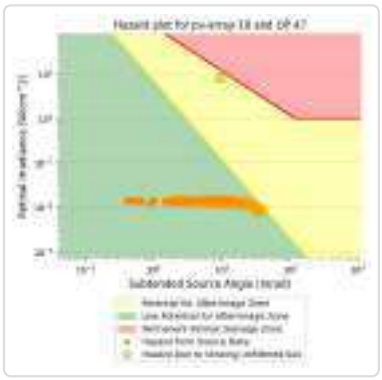
PV array 10: OP 47

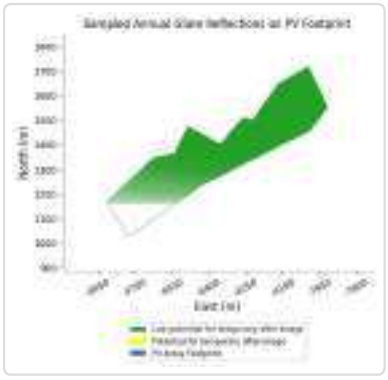
PV array is expected to produce the following glare for this receptor:

- 3,504 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





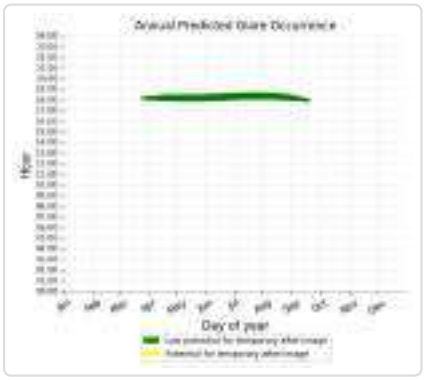


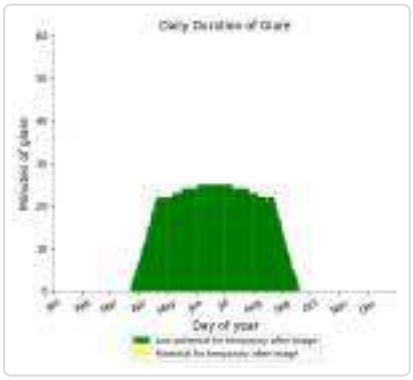


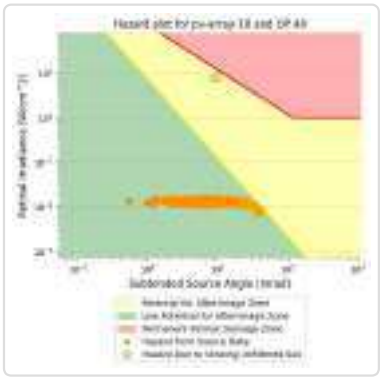
PV array 10: OP 48

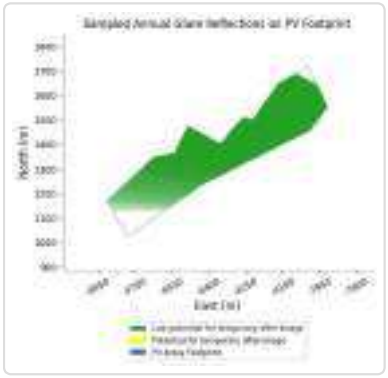
PV array is expected to produce the following glare for this receptor:

- 3,539 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





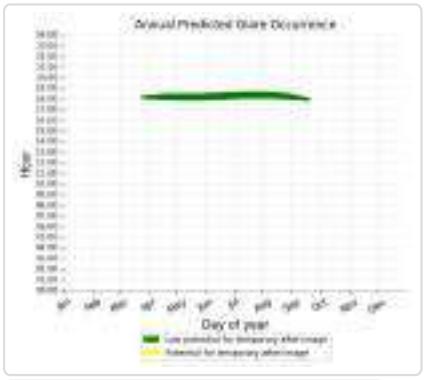


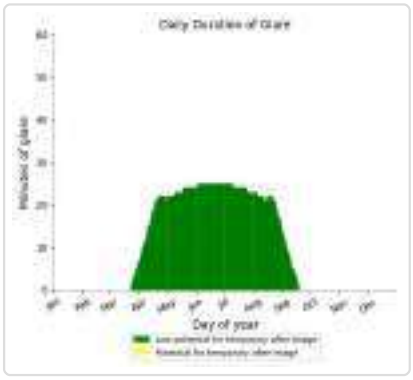


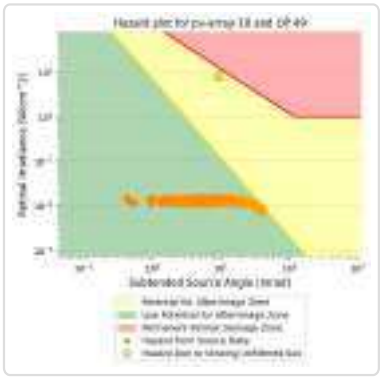
PV array 10: OP 49

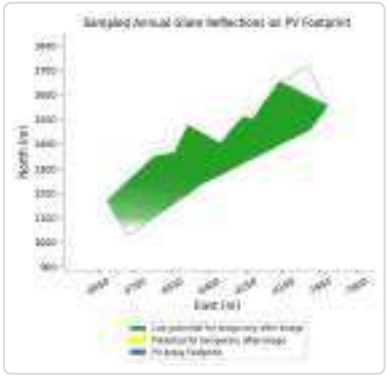
PV array is expected to produce the following glare for this receptor:

- 3,527 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





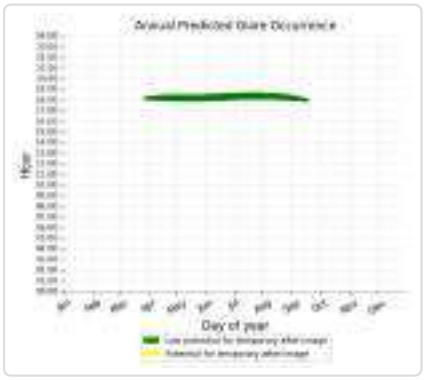


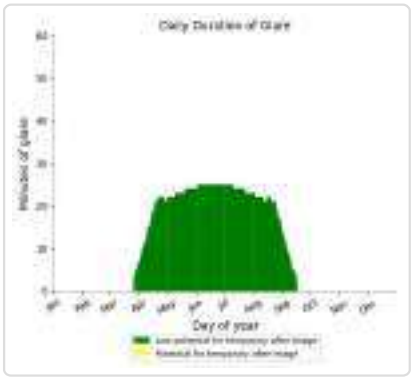


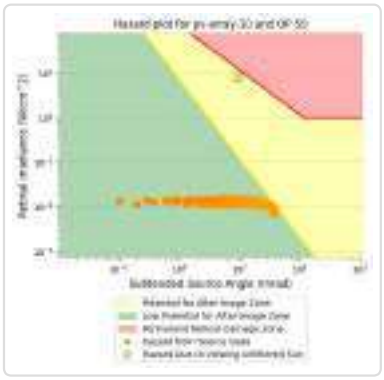
PV array 10: OP 50

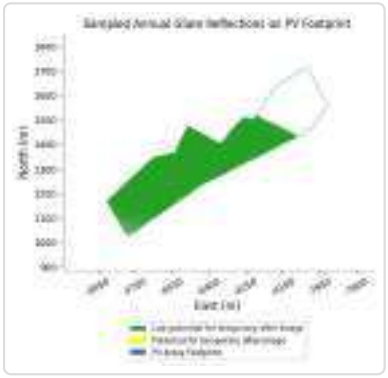
PV array is expected to produce the following glare for this receptor:

- 3,508 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





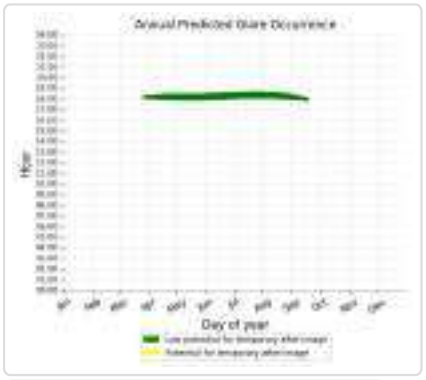


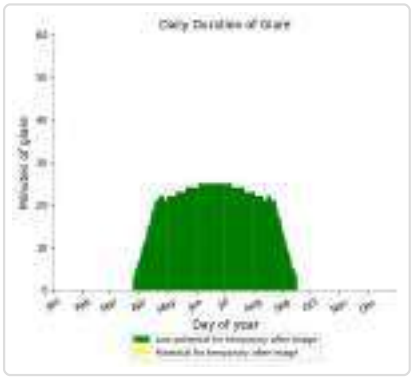


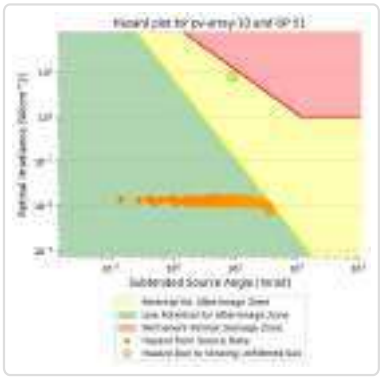
PV array 10: OP 51

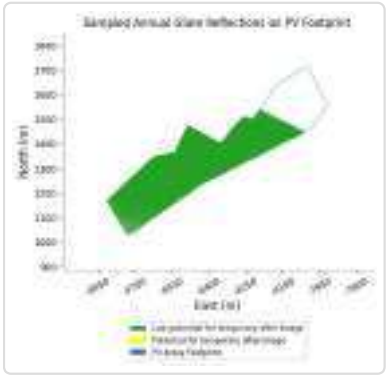
PV array is expected to produce the following glare for this receptor:

- 3,504 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





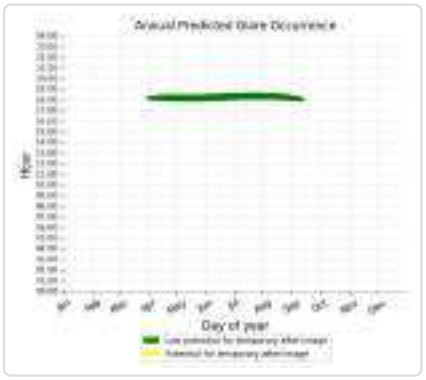


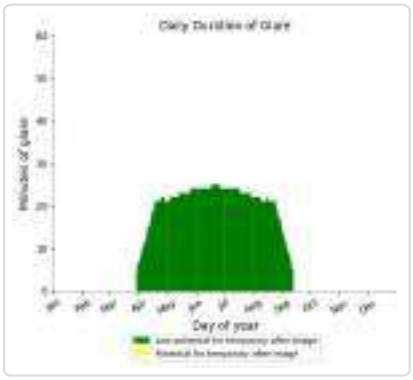


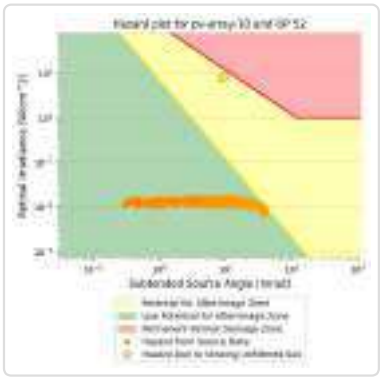
PV array 10: OP 52

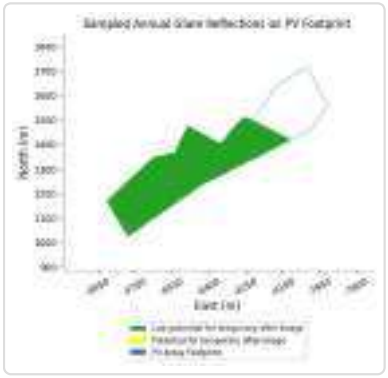
PV array is expected to produce the following glare for this receptor:

- 3,419 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





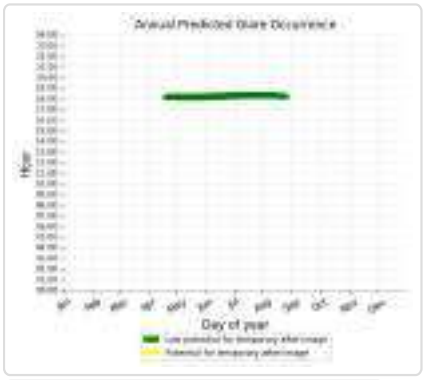


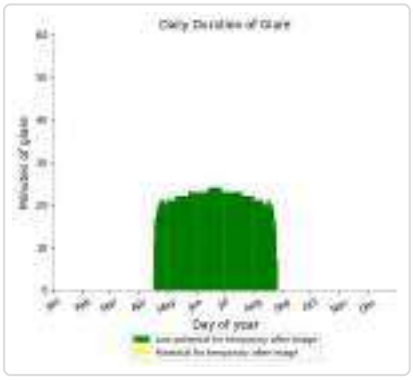


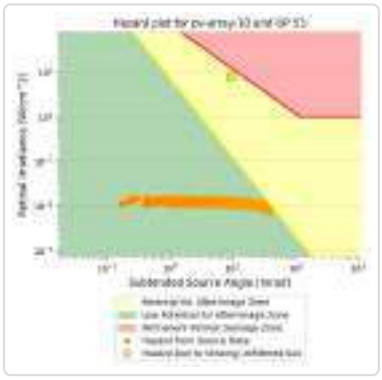
PV array 10: OP 53

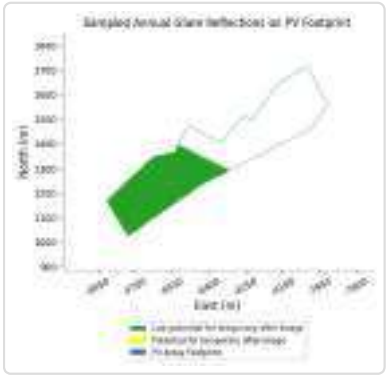
PV array is expected to produce the following glare for this receptor:

- 2,863 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





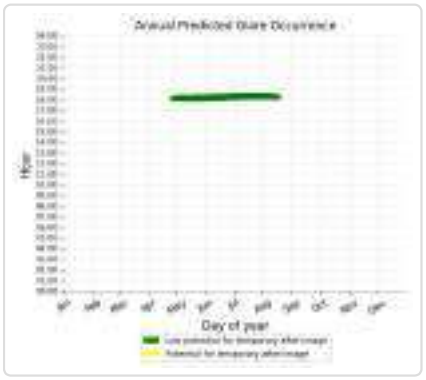


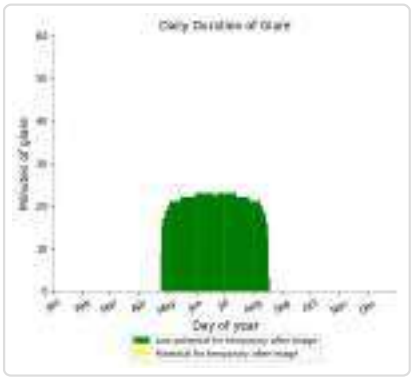


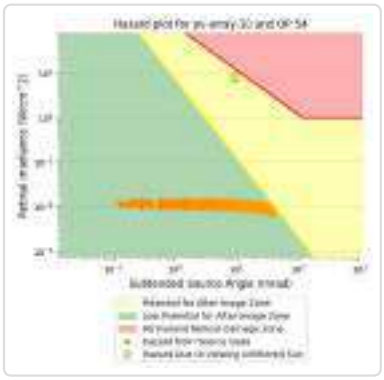
PV array 10: OP 54

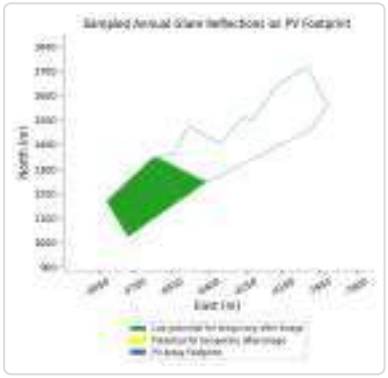
PV array is expected to produce the following glare for this receptor:

- 2,468 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





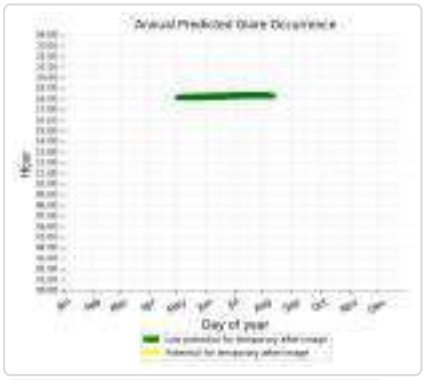


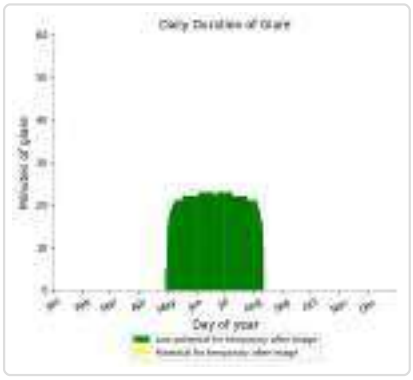


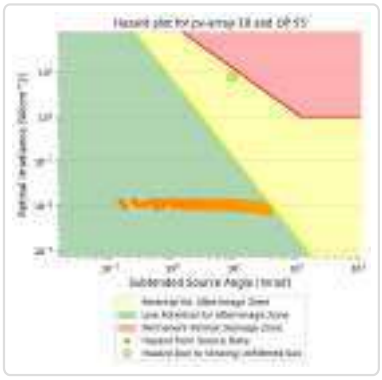
PV array 10: OP 55

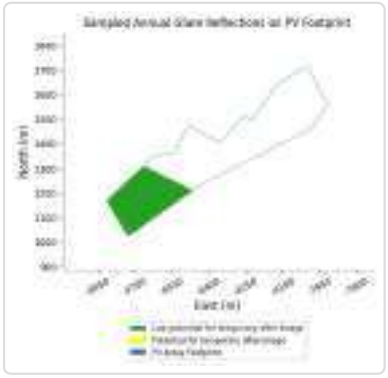
PV array is expected to produce the following glare for this receptor:

- 2,231 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





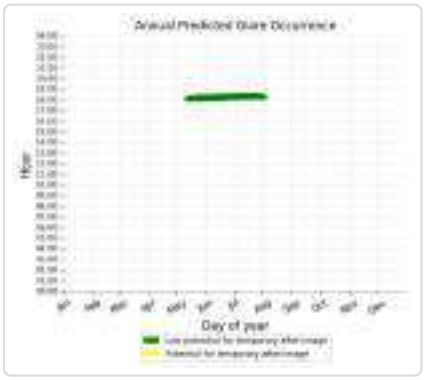


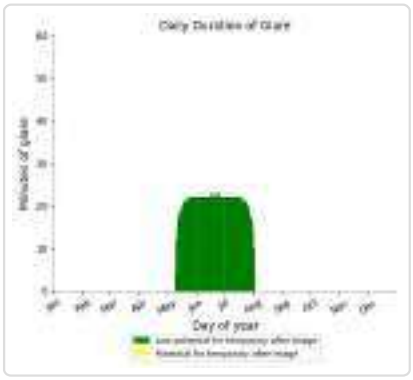


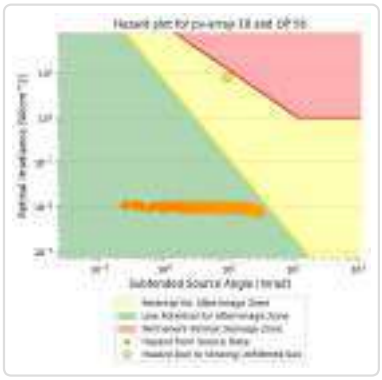
PV array 10: OP 56

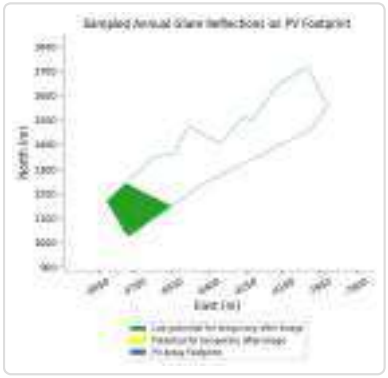
PV array is expected to produce the following glare for this receptor:

- 1,772 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





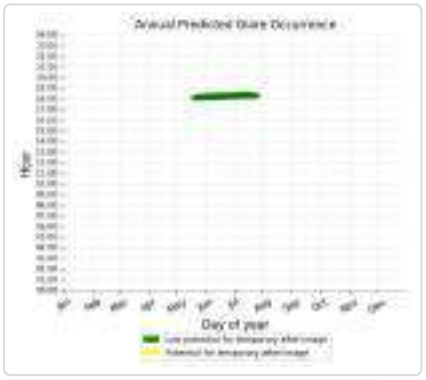


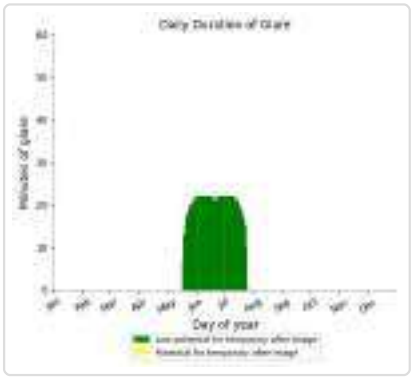


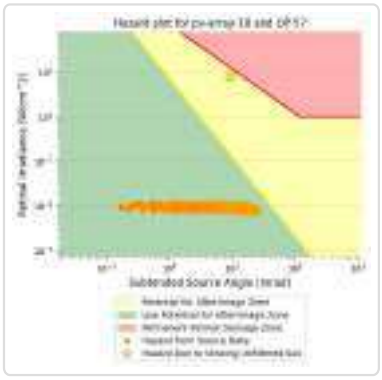
PV array 10: OP 57

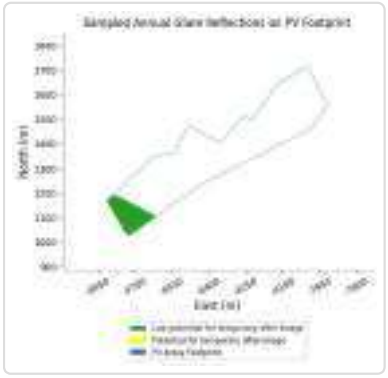
PV array is expected to produce the following glare for this receptor:

- 1,411 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





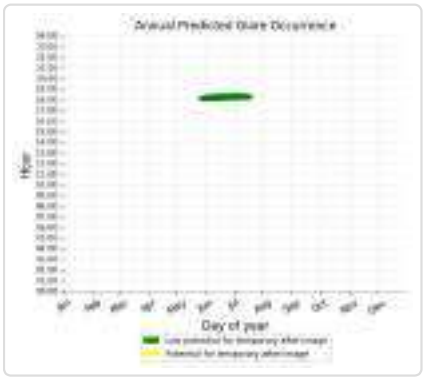


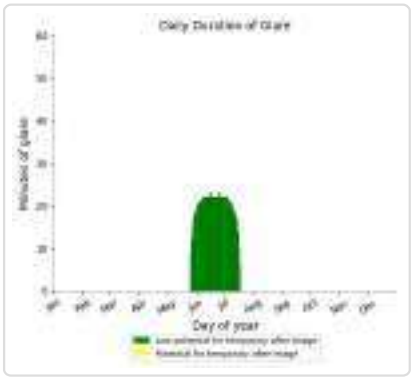


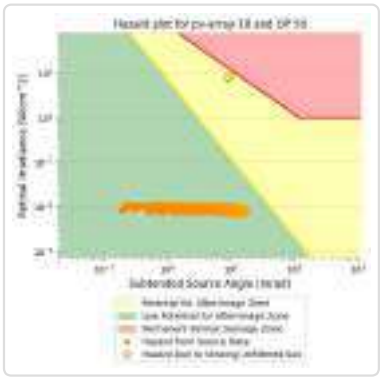
PV array 10: OP 58

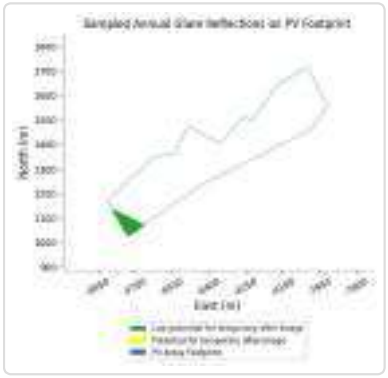
PV array is expected to produce the following glare for this receptor:

- 1,078 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





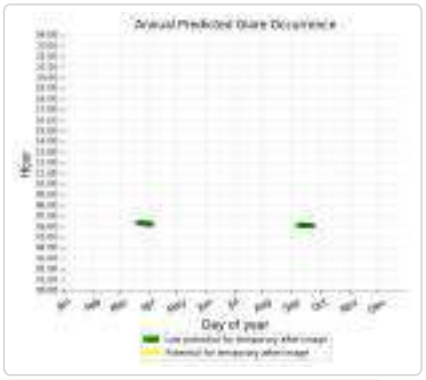


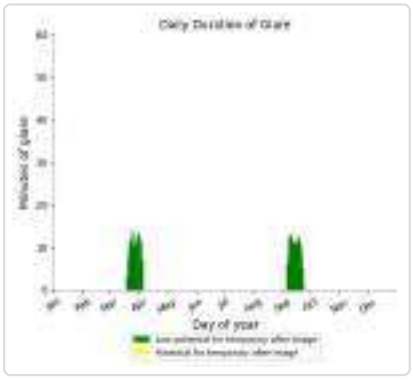


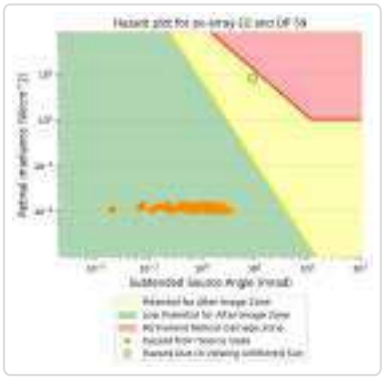
PV array 10: OP 59

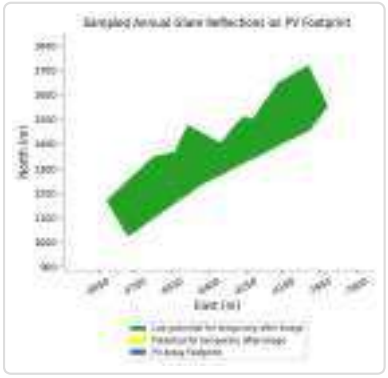
PV array is expected to produce the following glare for this receptor:

- 388 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 10: OP 60

No glare found

PV array 10: OP 61

No glare found

PV array 10: OP 62

No glare found

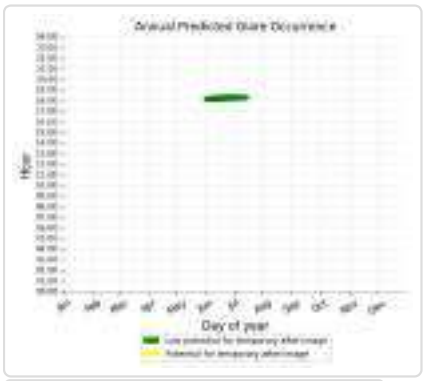
PV array 10: OP 63

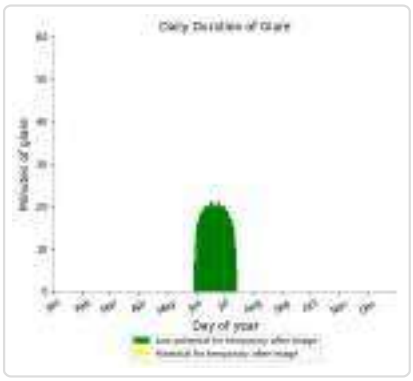
No glare found

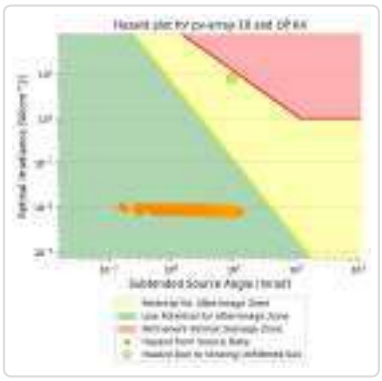
PV array 10: OP 64

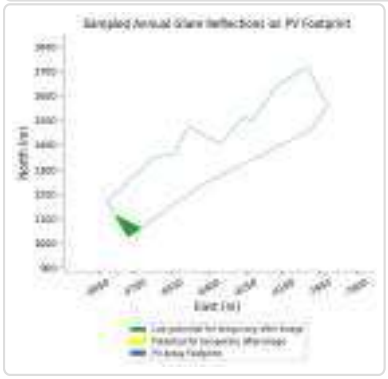
PV array is expected to produce the following glare for this receptor:

- 827 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 10: OP 65

No glare found

PV array 11 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0

OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	824	1844
OP: OP 22	33	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	1849	521
OP: OP 28	16	0
OP: OP 29	983	1680
OP: OP 30	1236	1453
OP: OP 31	1000	1669
OP: OP 32	1428	1020
OP: OP 33	1407	1062
OP: OP 34	2172	290
OP: OP 35	2298	267
OP: OP 36	2102	396
OP: OP 37	2477	91
OP: OP 38	2624	0
OP: OP 39	2646	0
OP: OP 40	2212	428
OP: OP 41	1499	893
OP: OP 42	1292	1133
OP: OP 43	1324	818
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0

OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 11: OP 1

No glare found

PV array 11: OP 2

No glare found

PV array 11: OP 3

No glare found

PV array 11: OP 4

No glare found

PV array 11: OP 5

No glare found

PV array 11: OP 6

No glare found

PV array 11: OP 7

No glare found

PV array 11: OP 8

No glare found

PV array 11: OP 9

No glare found

PV array 11: OP 10

No glare found

PV array 11: OP 11

No glare found

PV array 11: OP 12

No glare found

PV array 11: OP 13

No glare found

PV array 11: OP 14

No glare found

PV array 11: OP 15

No glare found

PV array 11: OP 16

No glare found

PV array 11: OP 17

No glare found

PV array 11: OP 18

No glare found

PV array 11: OP 19

No glare found

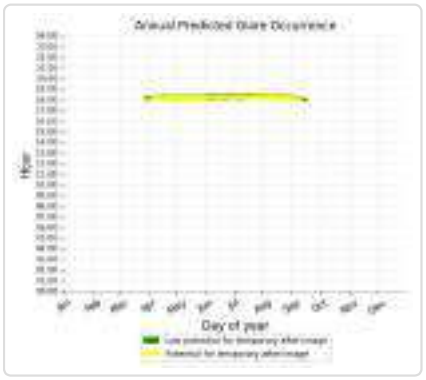
PV array 11: OP 20

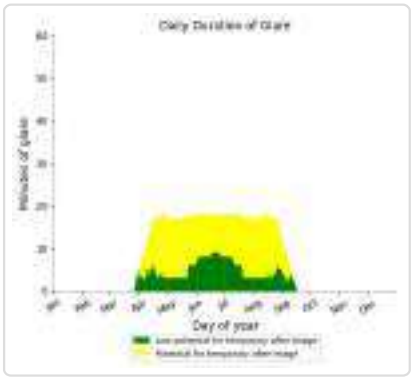
No glare found

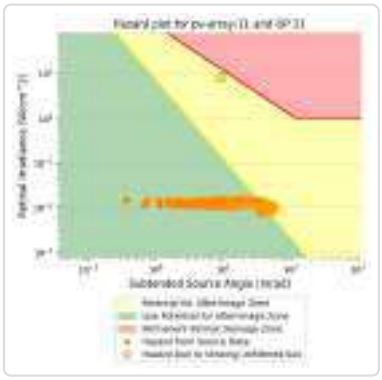
PV array 11: OP 21

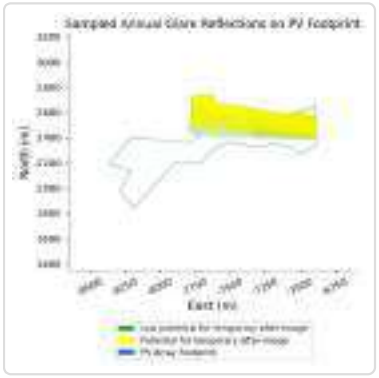
PV array is expected to produce the following glare for this receptor:

- 824 minutes of "green" glare with low potential to cause temporary after-image.
- 1,844 minutes of "yellow" glare with potential to cause temporary after-image.





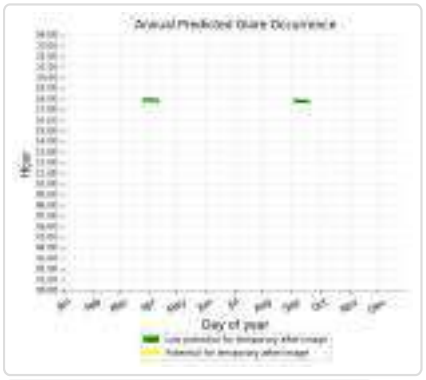


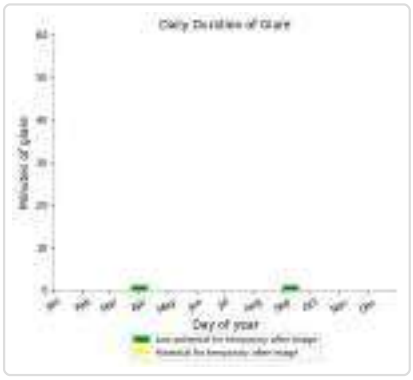


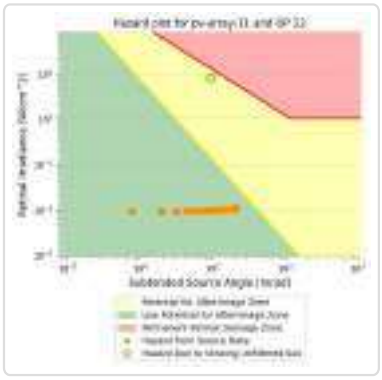
PV array 11: OP 22

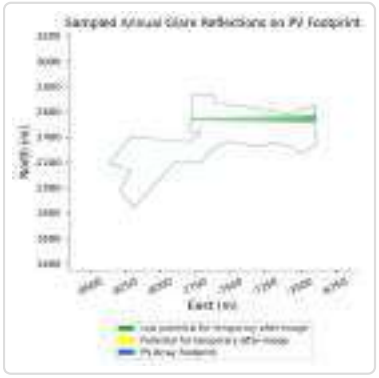
PV array is expected to produce the following glare for this receptor:

- 33 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 11: OP 23

No glare found

PV array 11: OP 24

No glare found

PV array 11: OP 25

No glare found

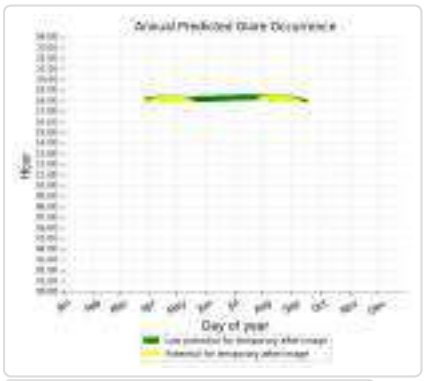
PV array 11: OP 26

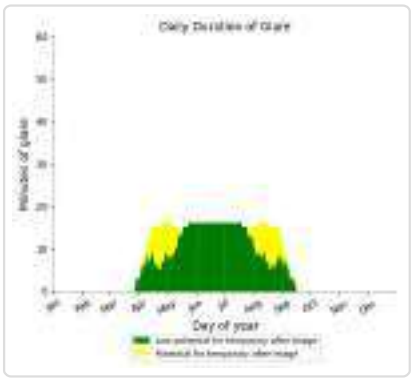
No glare found

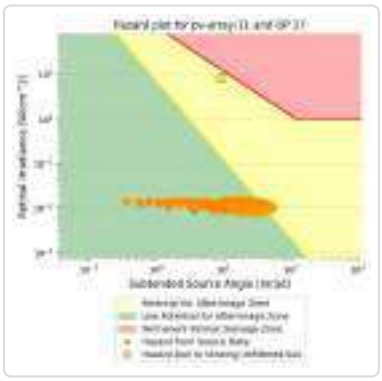
PV array 11: OP 27

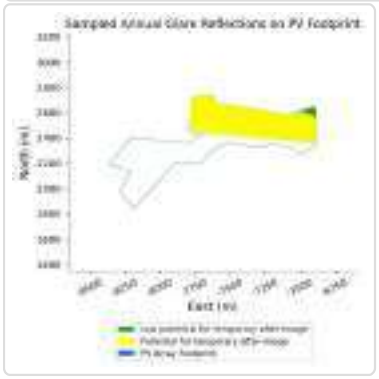
PV array is expected to produce the following glare for this receptor:

- 1,849 minutes of "green" glare with low potential to cause temporary after-image.
- 521 minutes of "yellow" glare with potential to cause temporary after-image.





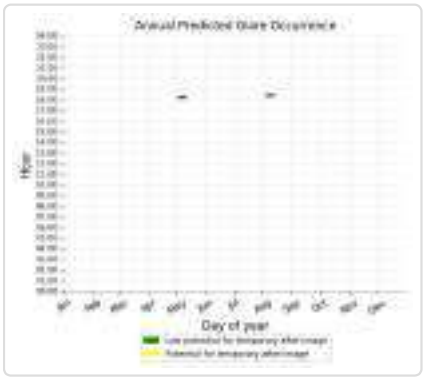


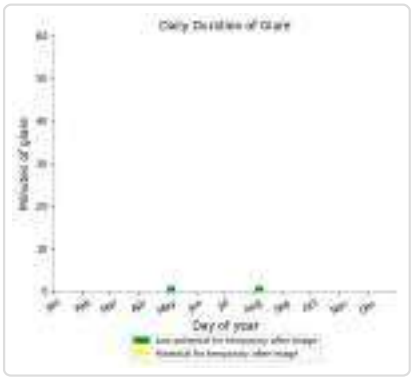


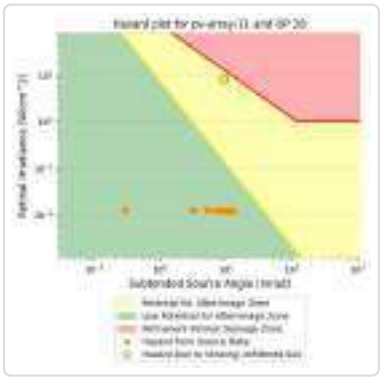
PV array 11: OP 28

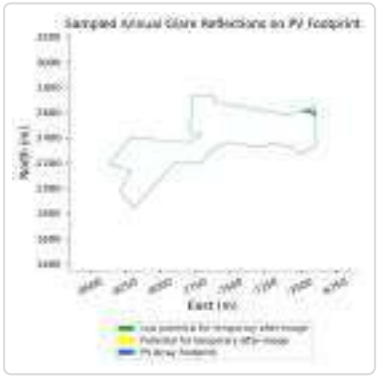
PV array is expected to produce the following glare for this receptor:

- 16 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





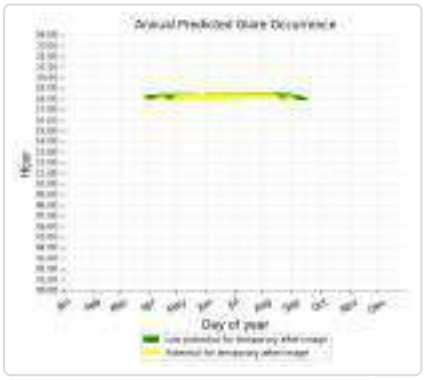


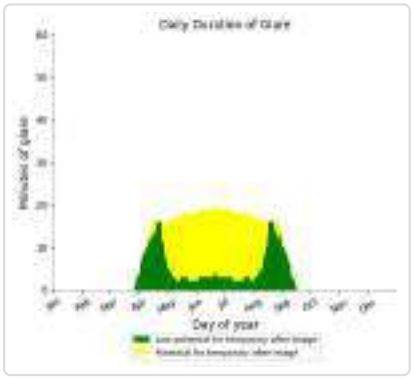


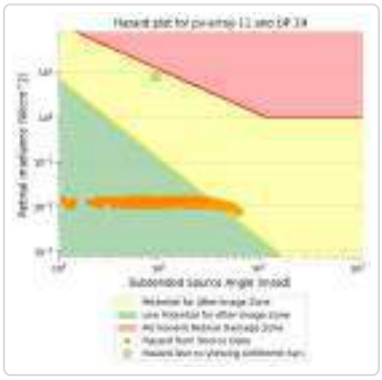
PV array 11: OP 29

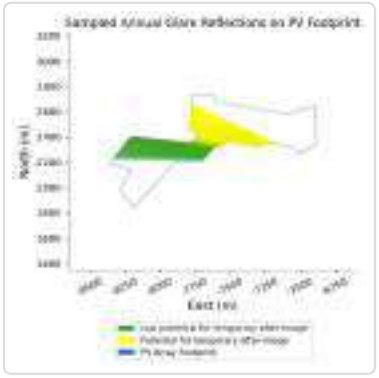
PV array is expected to produce the following glare for this receptor:

- 983 minutes of "green" glare with low potential to cause temporary after-image.
- 1,680 minutes of "yellow" glare with potential to cause temporary after-image.





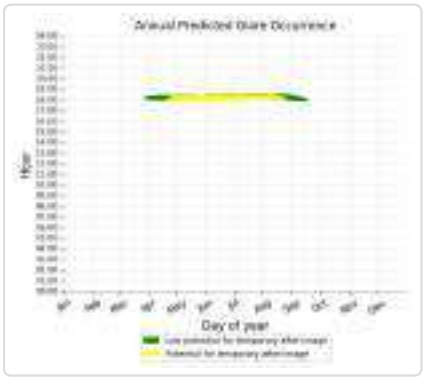


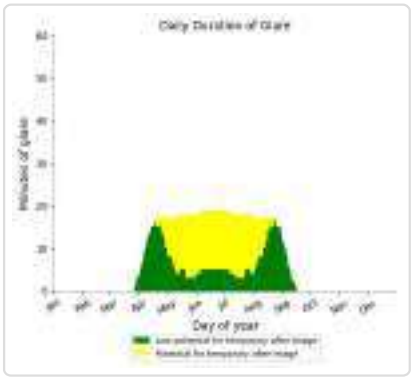


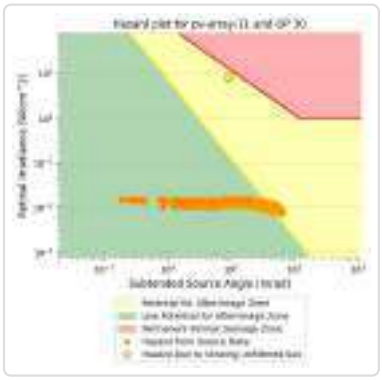
PV array 11: OP 30

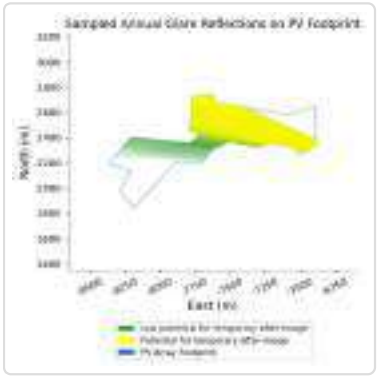
PV array is expected to produce the following glare for this receptor:

- 1,236 minutes of "green" glare with low potential to cause temporary after-image.
- 1,453 minutes of "yellow" glare with potential to cause temporary after-image.





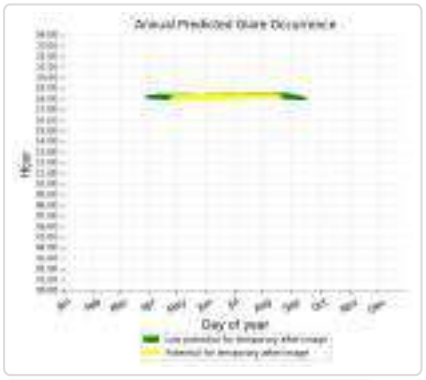


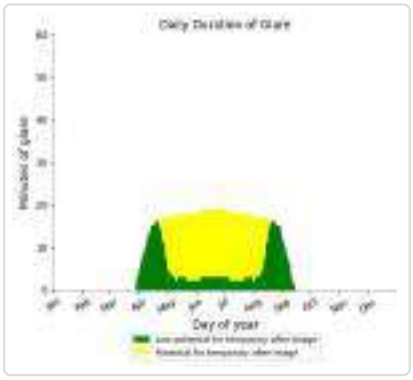


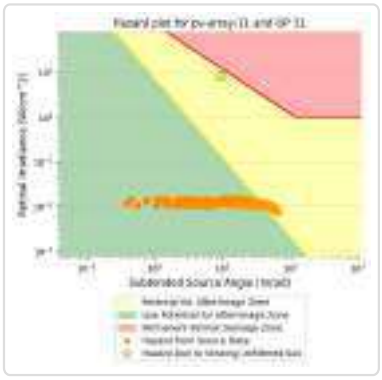
PV array 11: OP 31

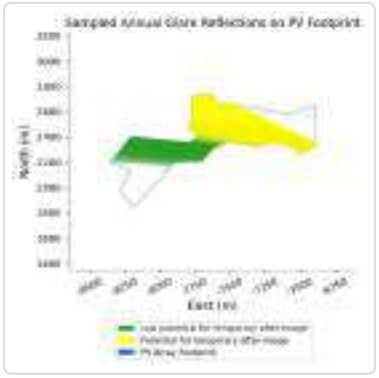
PV array is expected to produce the following glare for this receptor:

- 1,000 minutes of "green" glare with low potential to cause temporary after-image.
- 1,669 minutes of "yellow" glare with potential to cause temporary after-image.





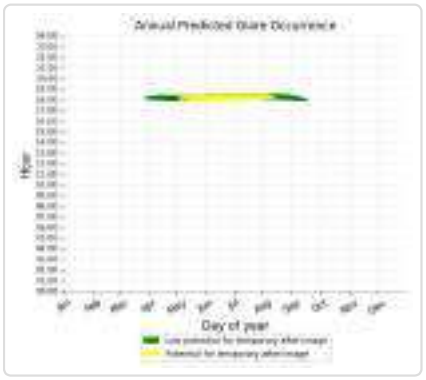


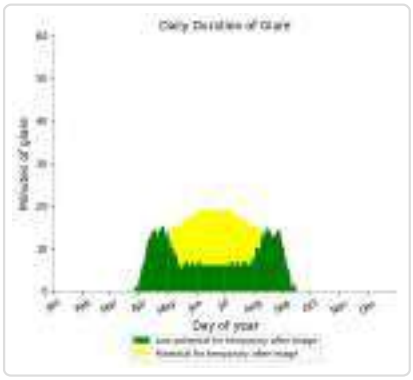


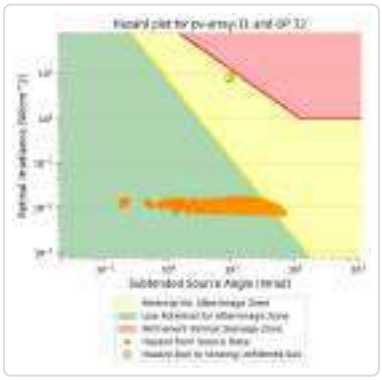
PV array 11: OP 32

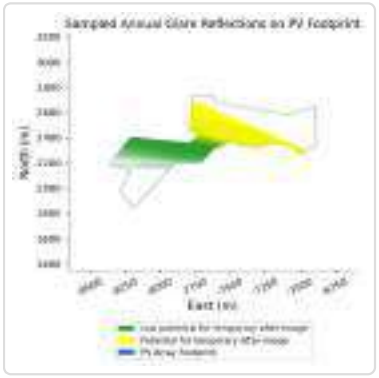
PV array is expected to produce the following glare for this receptor:

- 1,428 minutes of "green" glare with low potential to cause temporary after-image.
- 1,020 minutes of "yellow" glare with potential to cause temporary after-image.





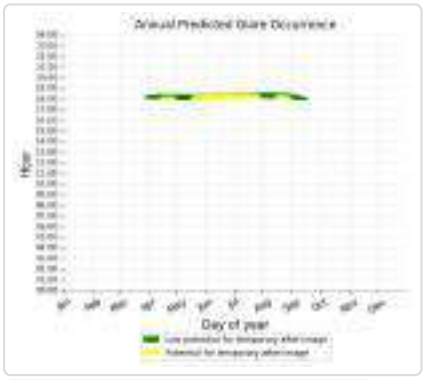


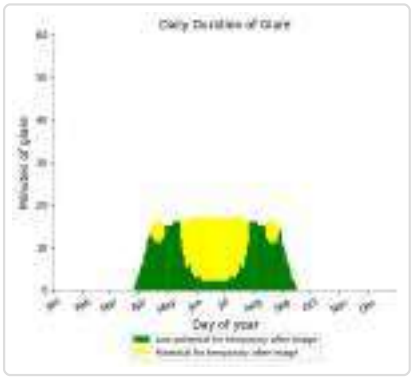


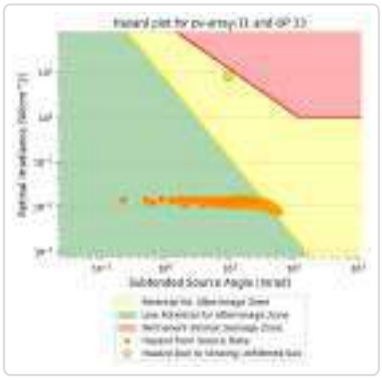
PV array 11: OP 33

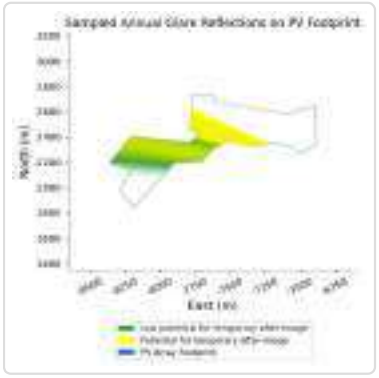
PV array is expected to produce the following glare for this receptor:

- 1,407 minutes of "green" glare with low potential to cause temporary after-image.
- 1,062 minutes of "yellow" glare with potential to cause temporary after-image.





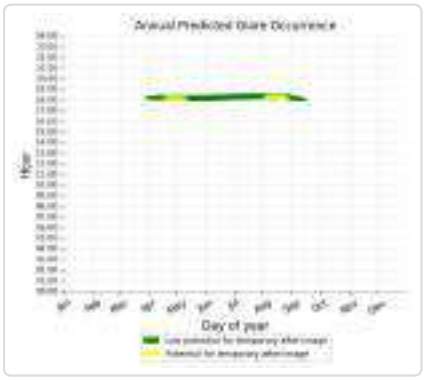


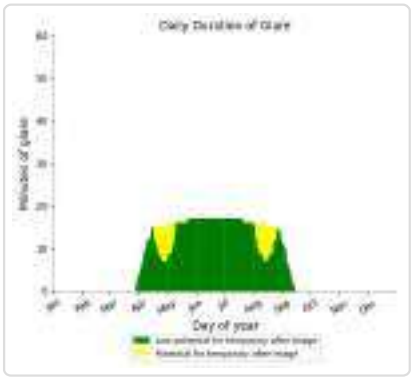


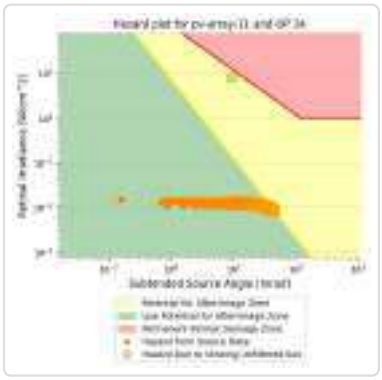
PV array 11: OP 34

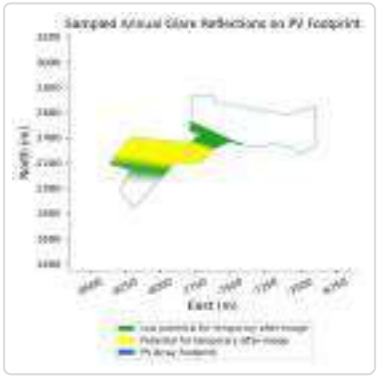
PV array is expected to produce the following glare for this receptor:

- 2,172 minutes of "green" glare with low potential to cause temporary after-image.
- 290 minutes of "yellow" glare with potential to cause temporary after-image.





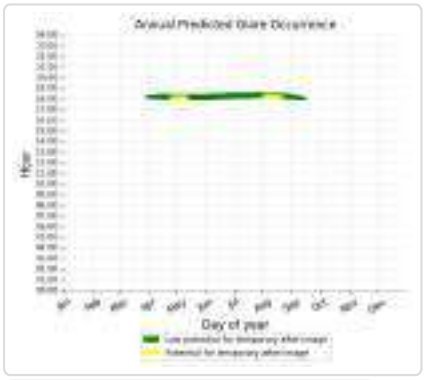


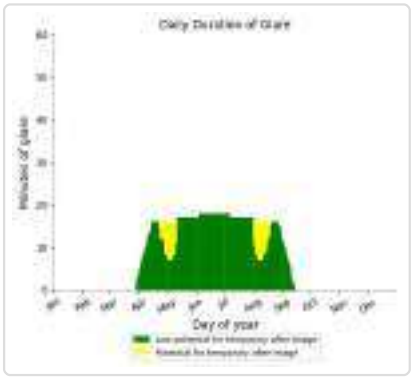


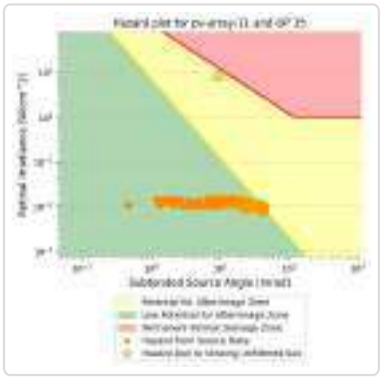
PV array 11: OP 35

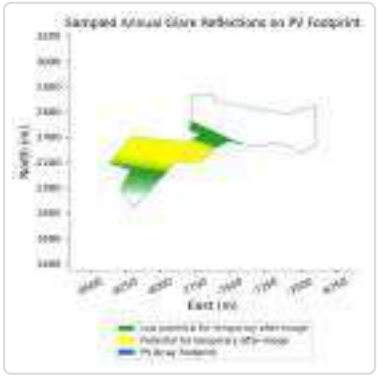
PV array is expected to produce the following glare for this receptor:

- 2,298 minutes of "green" glare with low potential to cause temporary after-image.
- 267 minutes of "yellow" glare with potential to cause temporary after-image.





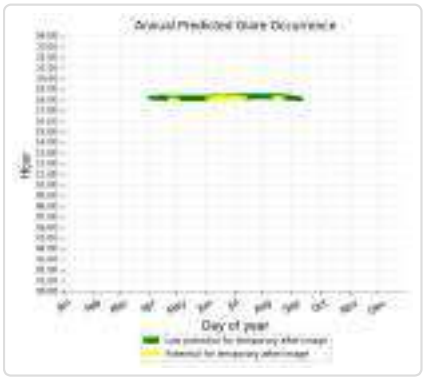


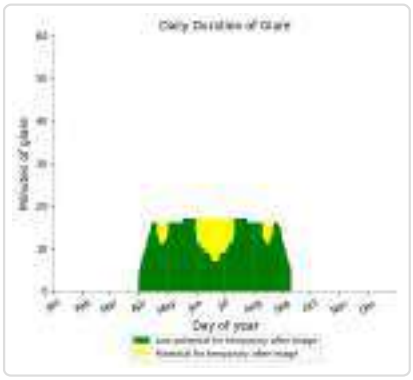


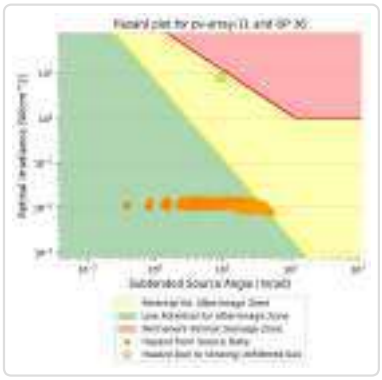
PV array 11: OP 36

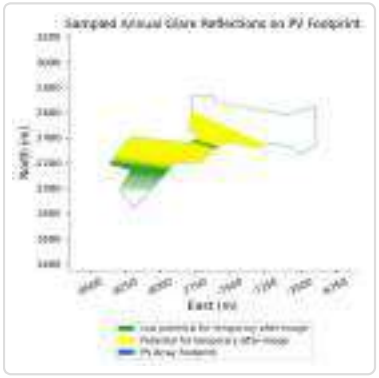
PV array is expected to produce the following glare for this receptor:

- 2,102 minutes of "green" glare with low potential to cause temporary after-image.
- 396 minutes of "yellow" glare with potential to cause temporary after-image.





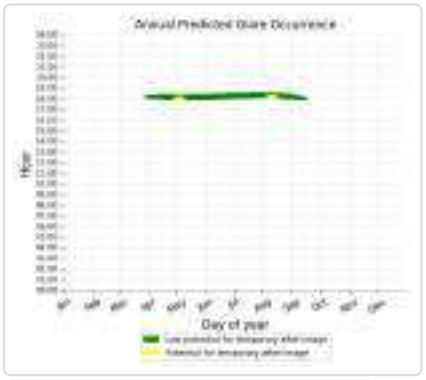


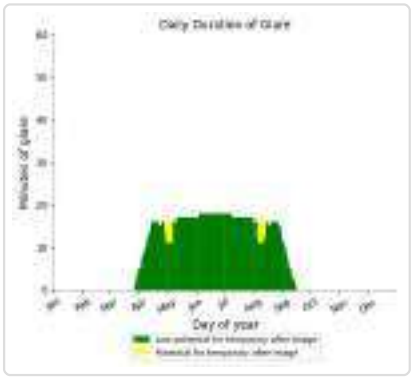


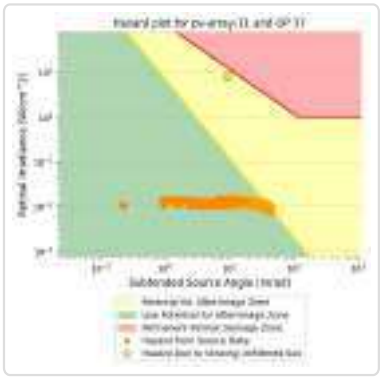
PV array 11: OP 37

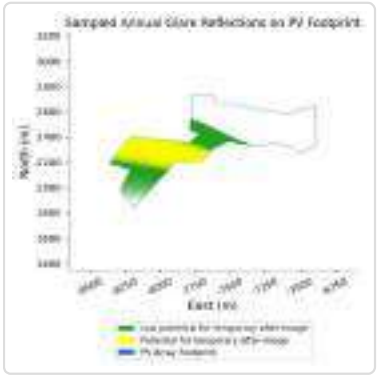
PV array is expected to produce the following glare for this receptor:

- 2,477 minutes of "green" glare with low potential to cause temporary after-image.
- 91 minutes of "yellow" glare with potential to cause temporary after-image.





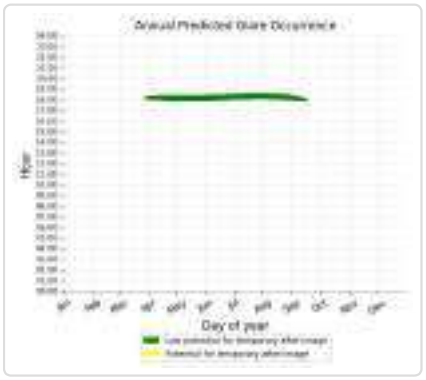


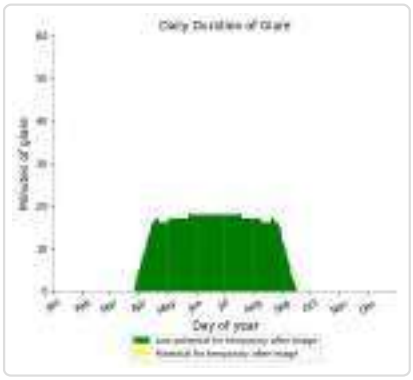


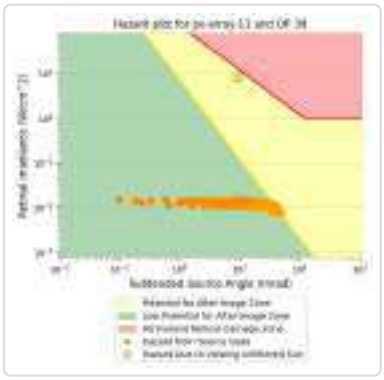
PV array 11: OP 38

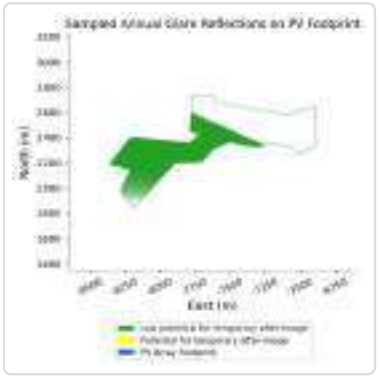
PV array is expected to produce the following glare for this receptor:

- 2,624 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





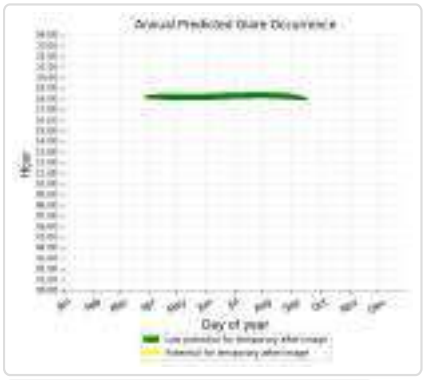


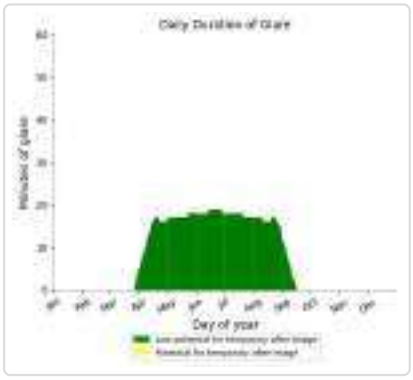


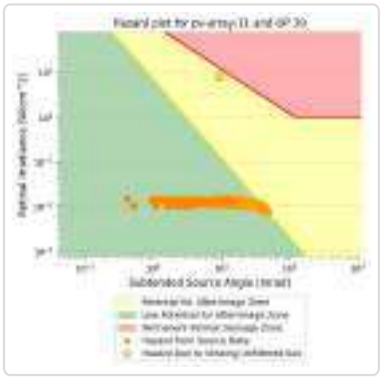
PV array 11: OP 39

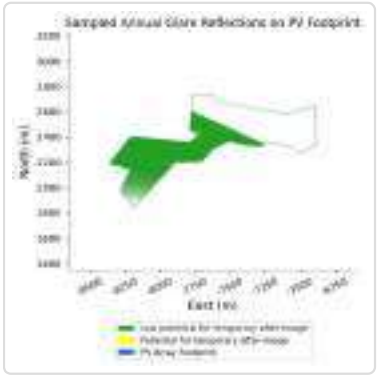
PV array is expected to produce the following glare for this receptor:

- 2,646 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





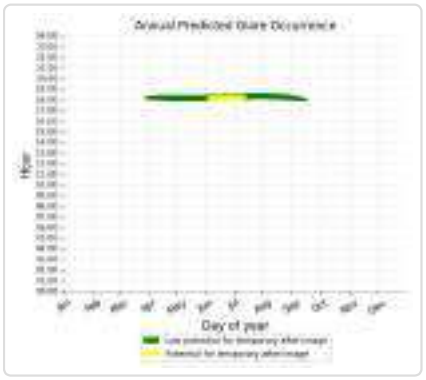


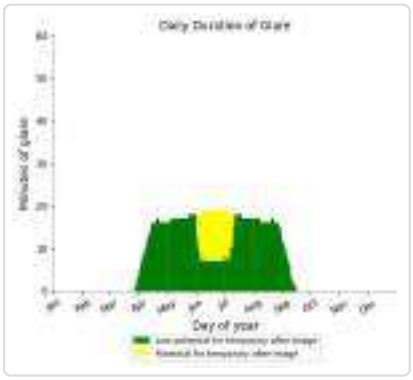


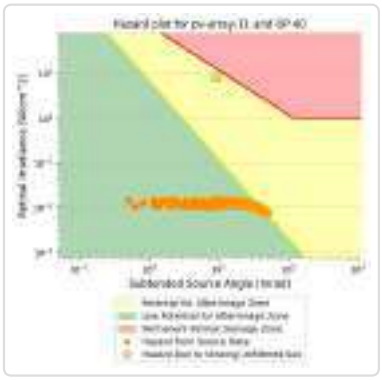
PV array 11: OP 40

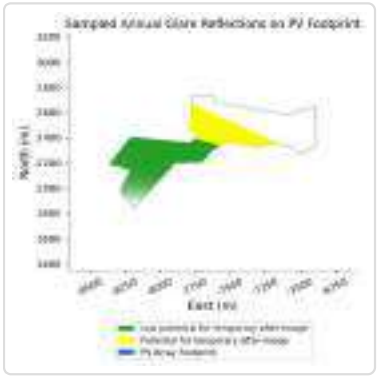
PV array is expected to produce the following glare for this receptor:

- 2,212 minutes of "green" glare with low potential to cause temporary after-image.
- 428 minutes of "yellow" glare with potential to cause temporary after-image.





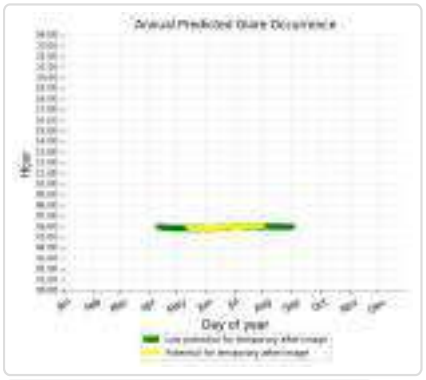


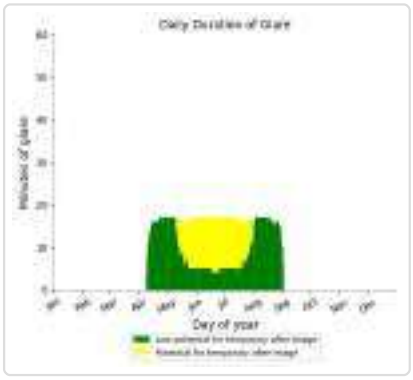


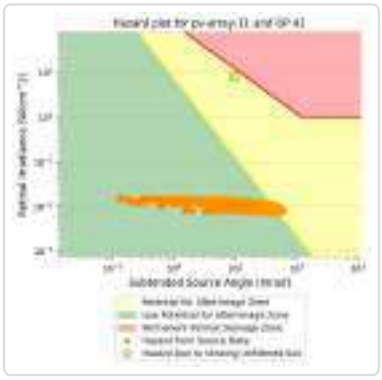
PV array 11: OP 41

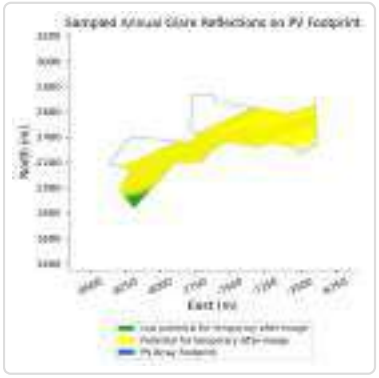
PV array is expected to produce the following glare for this receptor:

- 1,499 minutes of "green" glare with low potential to cause temporary after-image.
- 893 minutes of "yellow" glare with potential to cause temporary after-image.





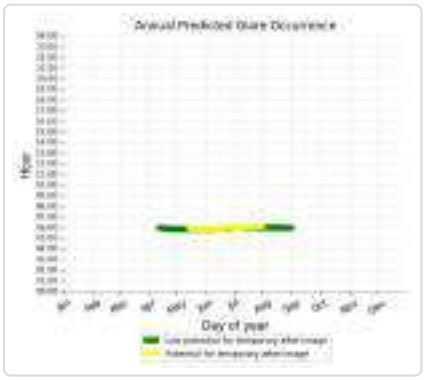


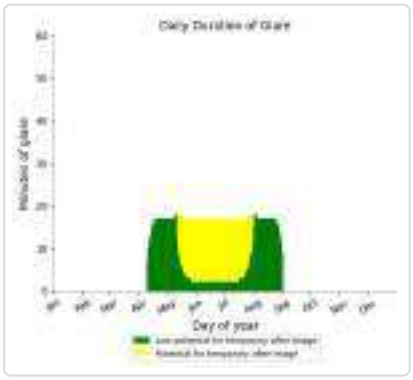


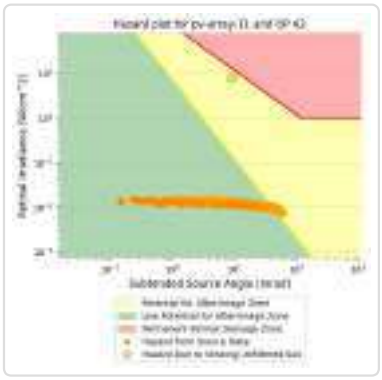
PV array 11: OP 42

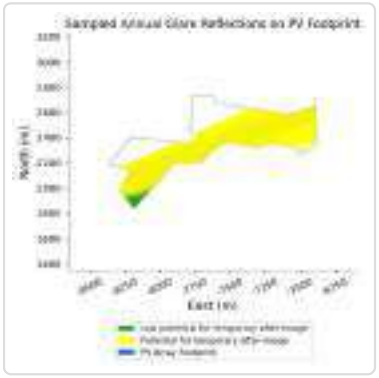
PV array is expected to produce the following glare for this receptor:

- 1,292 minutes of "green" glare with low potential to cause temporary after-image.
- 1,133 minutes of "yellow" glare with potential to cause temporary after-image.





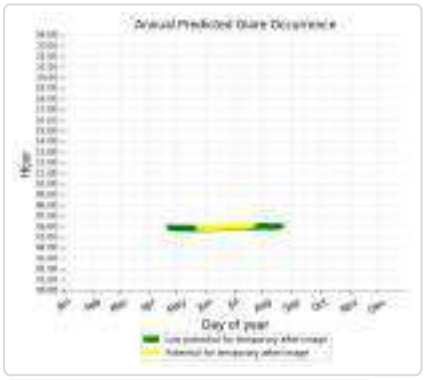


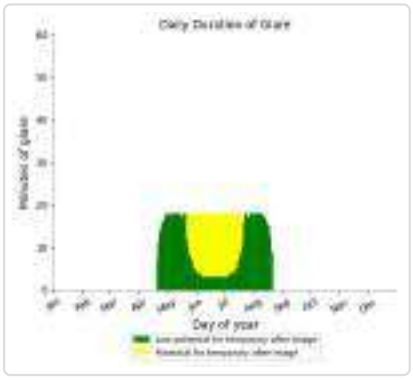


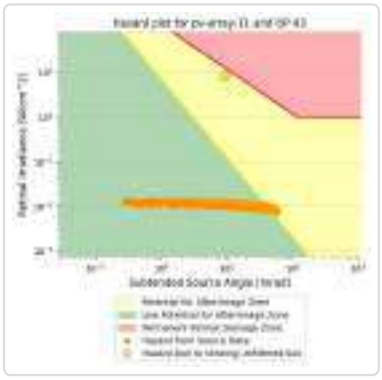
PV array 11: OP 43

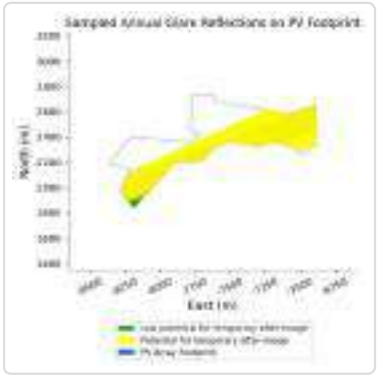
PV array is expected to produce the following glare for this receptor:

- 1,324 minutes of "green" glare with low potential to cause temporary after-image.
- 818 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 11: OP 44
No glare found

PV array 11: OP 45
No glare found

PV array 11: OP 46
No glare found

PV array 11: OP 47
No glare found

PV array 11: OP 48
No glare found

PV array 11: OP 49
No glare found

PV array 11: OP 50
No glare found

PV array 11: OP 51
No glare found

PV array 11: OP 52
No glare found

PV array 11: OP 53
No glare found

PV array 11: OP 54
No glare found

PV array 11: OP 55
No glare found

PV array 11: OP 56
No glare found

PV array 11: OP 57
No glare found

PV array 11: OP 58
No glare found

PV array 11: OP 59
No glare found

PV array 11: OP 60
No glare found

PV array 11: OP 61
No glare found

PV array 11: OP 62
No glare found

PV array 11: OP 63
No glare found

PV array 11: OP 64
No glare found

PV array 11: OP 65
No glare found

PV array 12 potential temporary after-image

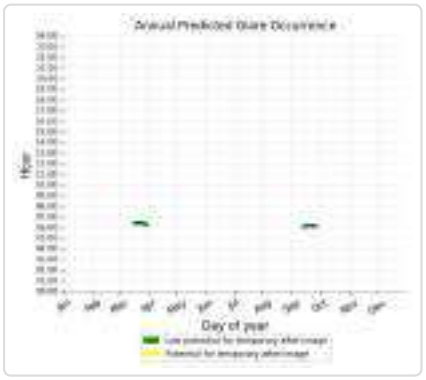
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	108	0
OP: OP 2	602	0
OP: OP 3	1084	0
OP: OP 4	1225	0
OP: OP 5	1547	0
OP: OP 6	1220	0
OP: OP 7	847	0
OP: OP 8	924	0
OP: OP 9	883	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	15	0
OP: OP 14	478	6
OP: OP 15	273	0
OP: OP 16	246	0
OP: OP 17	159	0
OP: OP 18	352	0
OP: OP 19	0	0
OP: OP 20	21	0
OP: OP 21	1022	89
OP: OP 22	1538	368
OP: OP 23	41	0

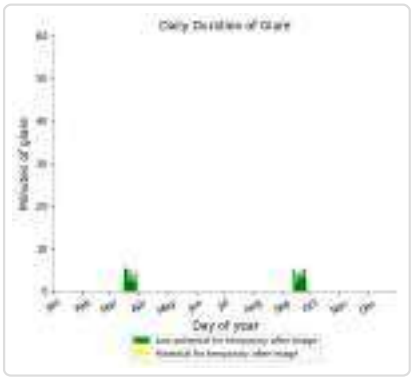
OP: OP 24	15	0
OP: OP 25	0	0
OP: OP 26	1030	871
OP: OP 27	844	597
OP: OP 28	1119	627
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	730	0
OP: OP 42	753	0
OP: OP 43	300	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	418	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

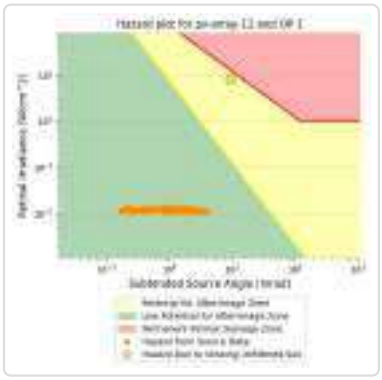
PV array 12: OP 1

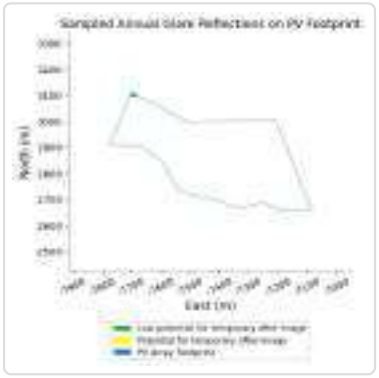
PV array is expected to produce the following glare for this receptor:

- 108 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





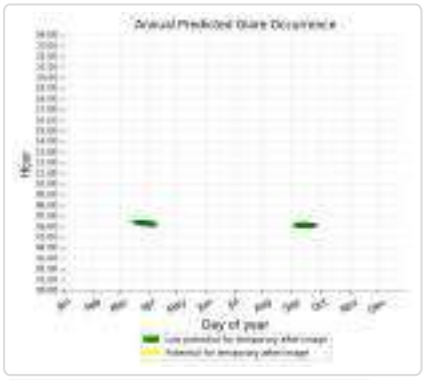


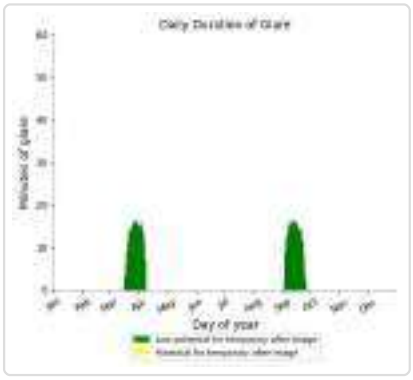


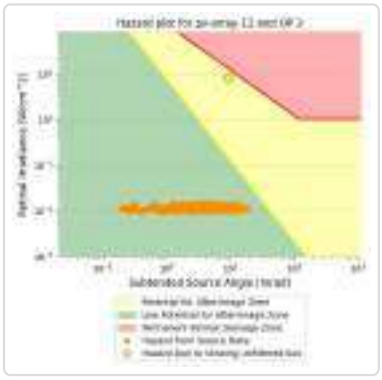
PV array 12: OP 2

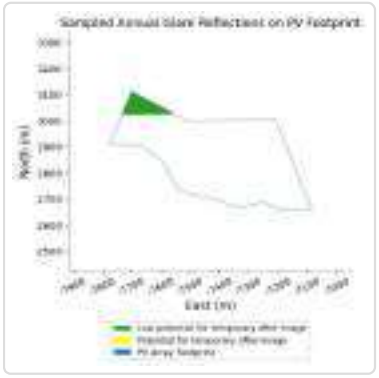
PV array is expected to produce the following glare for this receptor:

- 602 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





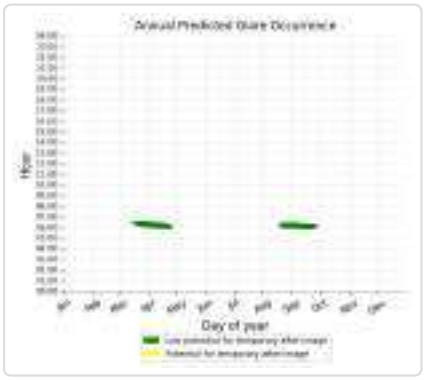


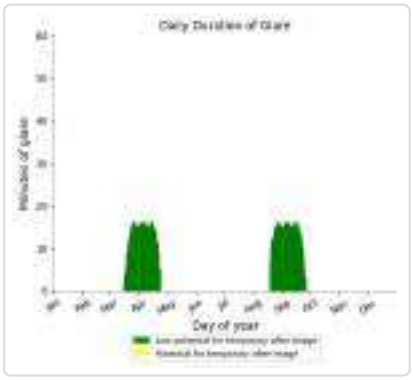


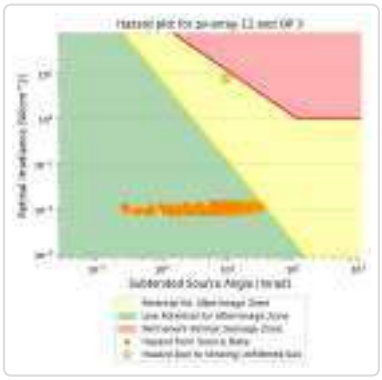
PV array 12: OP 3

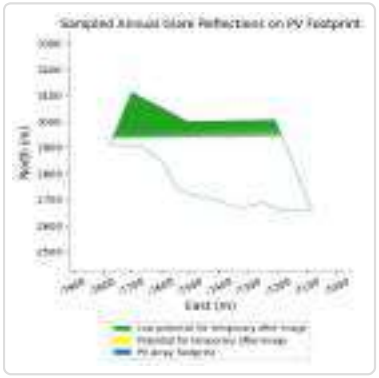
PV array is expected to produce the following glare for this receptor:

- 1,084 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





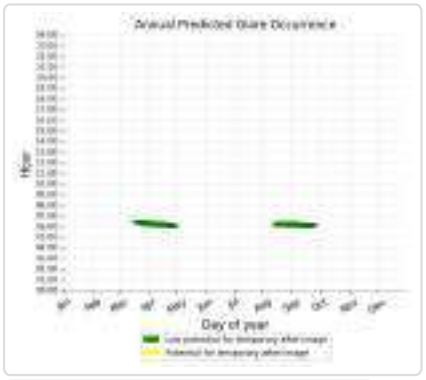


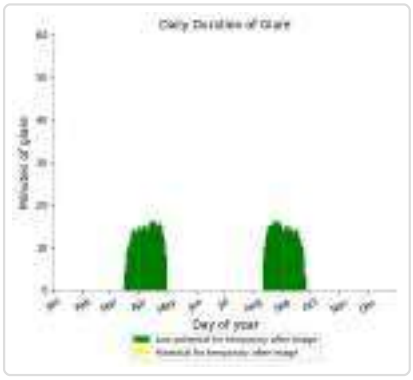


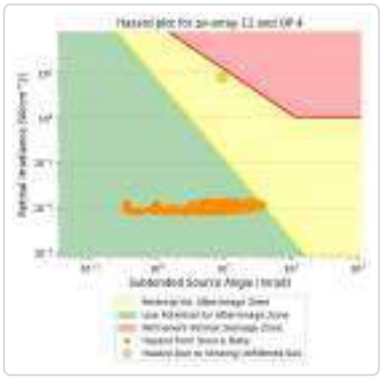
PV array 12: OP 4

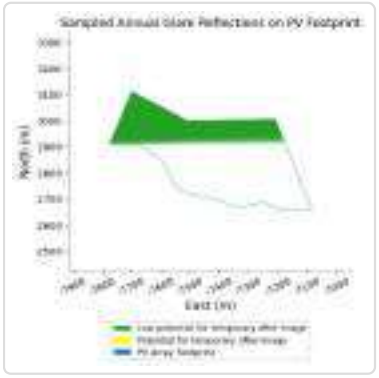
PV array is expected to produce the following glare for this receptor:

- 1,225 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





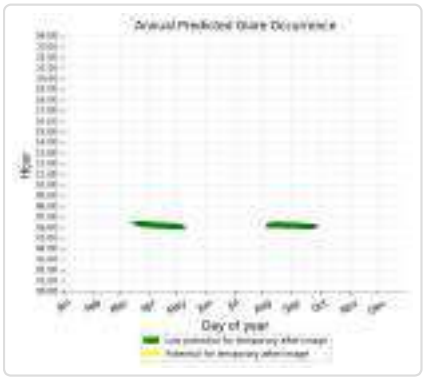


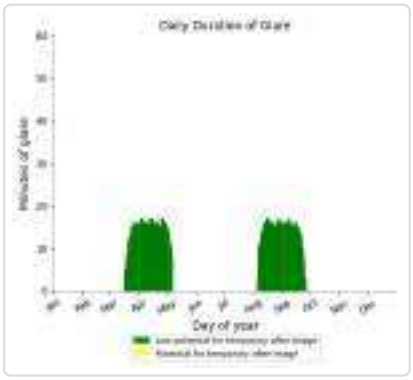


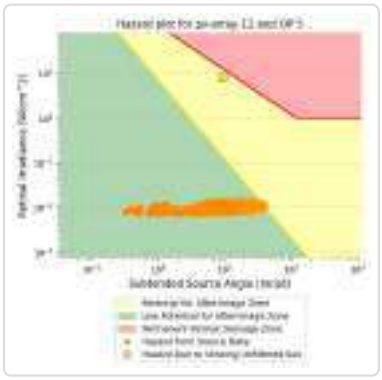
PV array 12: OP 5

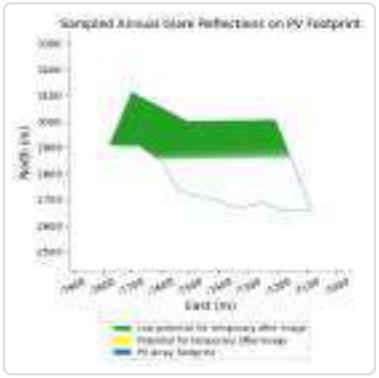
PV array is expected to produce the following glare for this receptor:

- 1,547 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





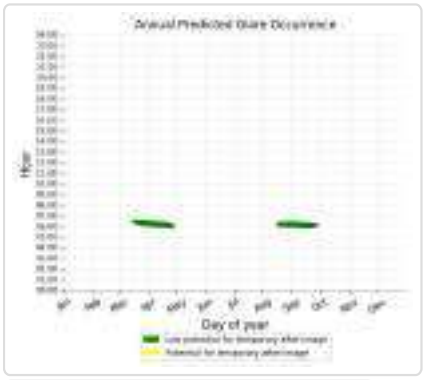


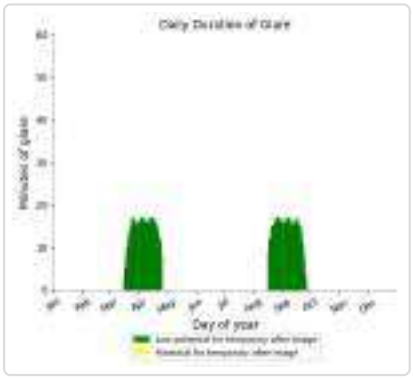


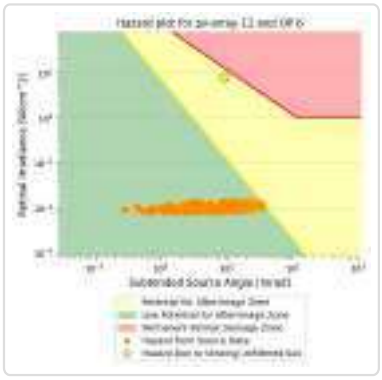
PV array 12: OP 6

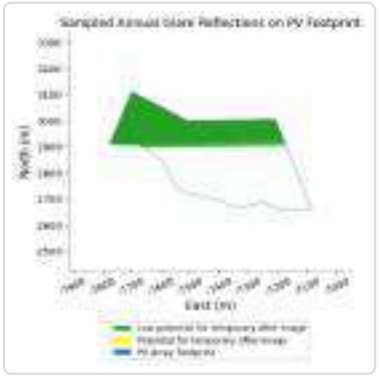
PV array is expected to produce the following glare for this receptor:

- 1,220 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





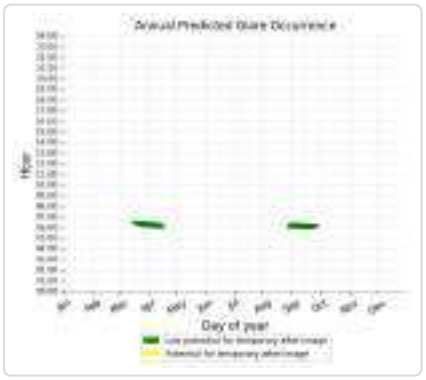


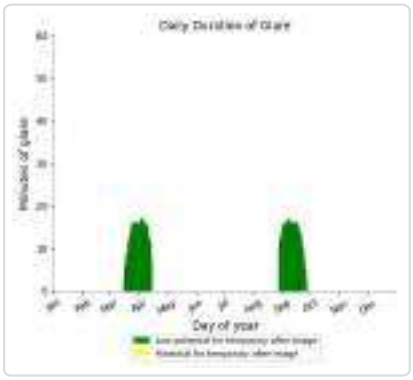


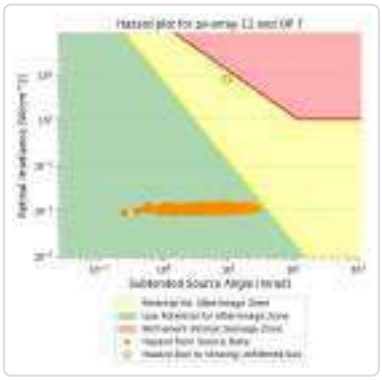
PV array 12: OP 7

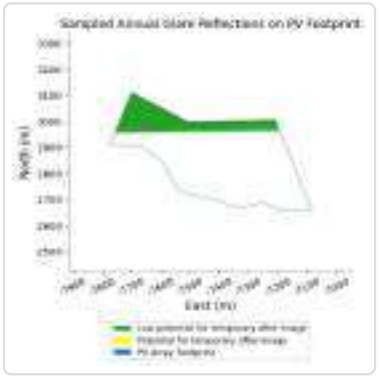
PV array is expected to produce the following glare for this receptor:

- 847 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





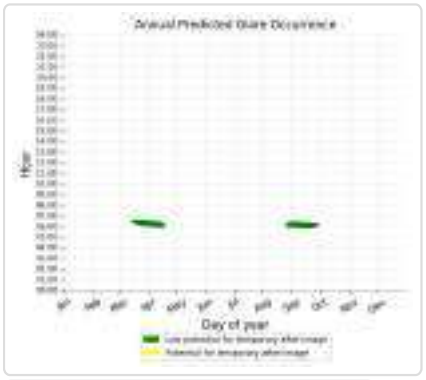


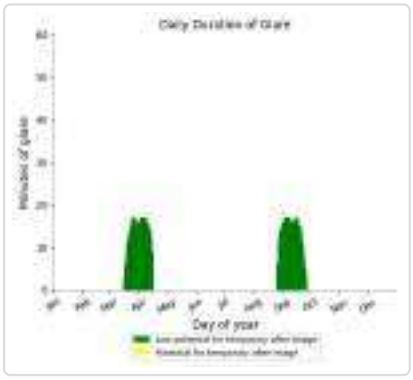


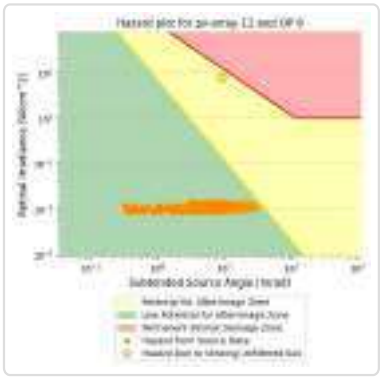
PV array 12: OP 8

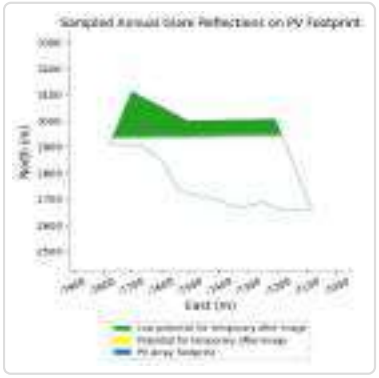
PV array is expected to produce the following glare for this receptor:

- 924 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





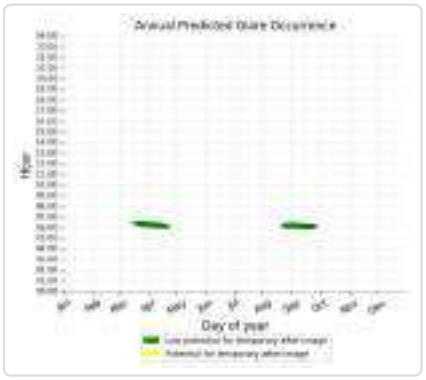


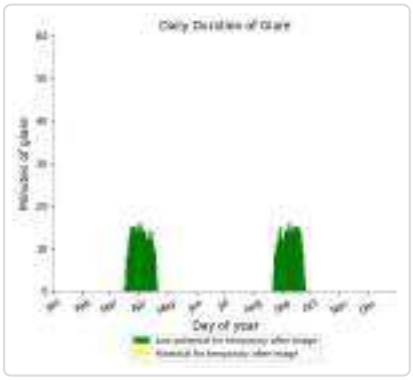


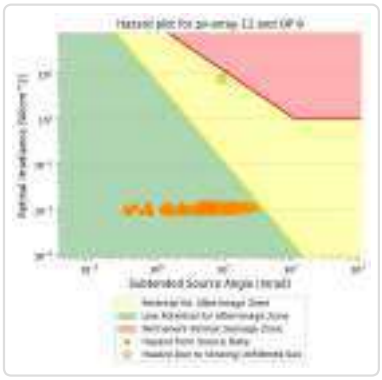
PV array 12: OP 9

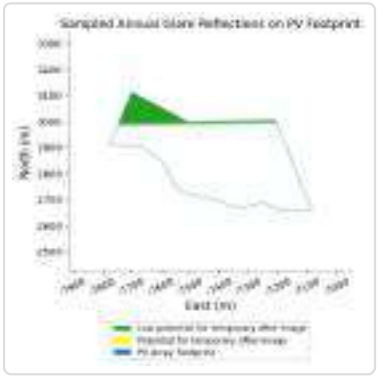
PV array is expected to produce the following glare for this receptor:

- 883 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 10

No glare found

PV array 12: OP 11

No glare found

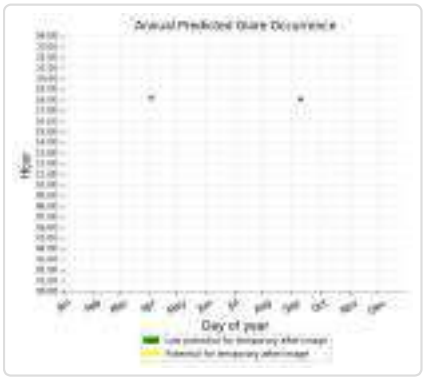
PV array 12: OP 12

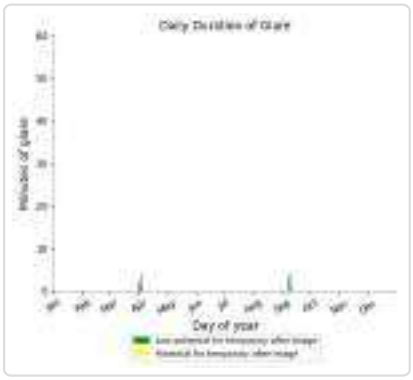
No glare found

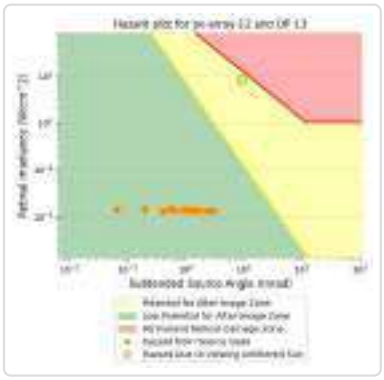
PV array 12: OP 13

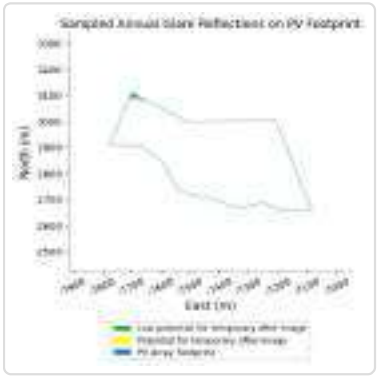
PV array is expected to produce the following glare for this receptor:

- 15 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





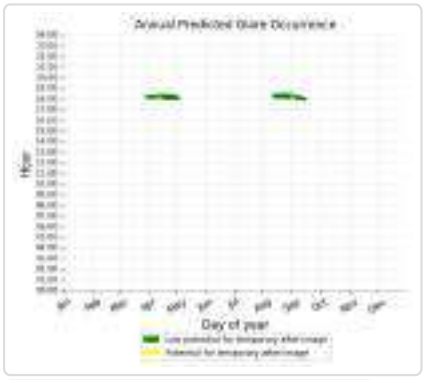


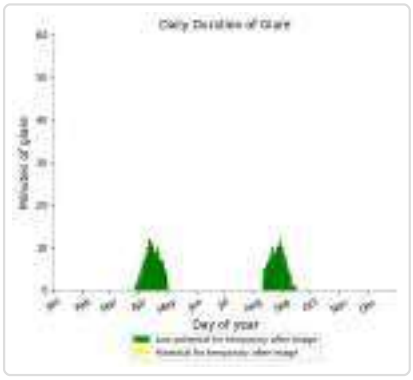


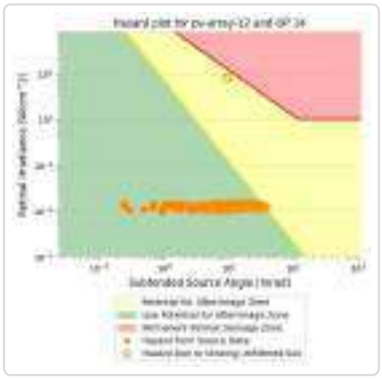
PV array 12: OP 14

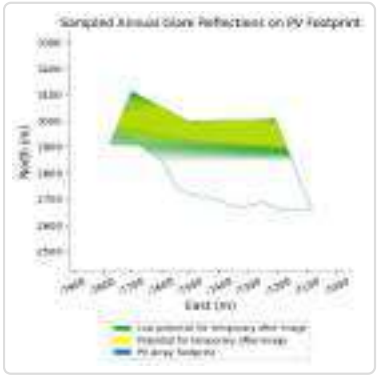
PV array is expected to produce the following glare for this receptor:

- 478 minutes of "green" glare with low potential to cause temporary after-image.
- 6 minutes of "yellow" glare with potential to cause temporary after-image.





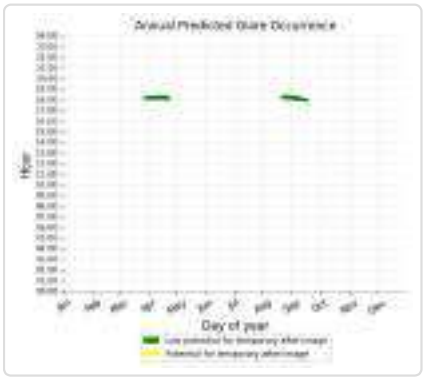


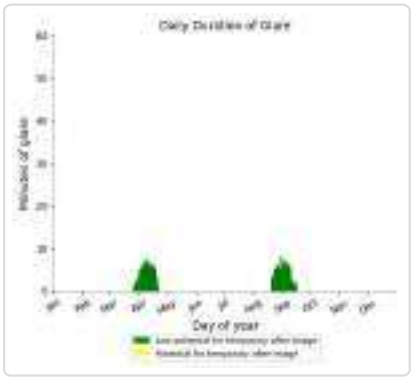


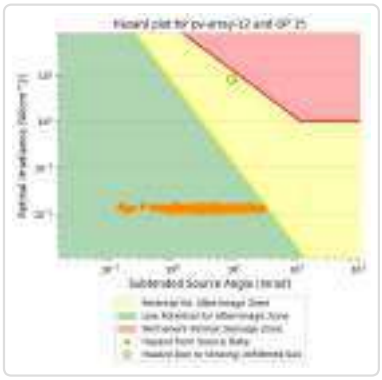
PV array 12: OP 15

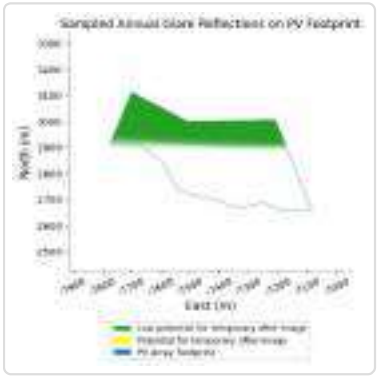
PV array is expected to produce the following glare for this receptor:

- 273 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





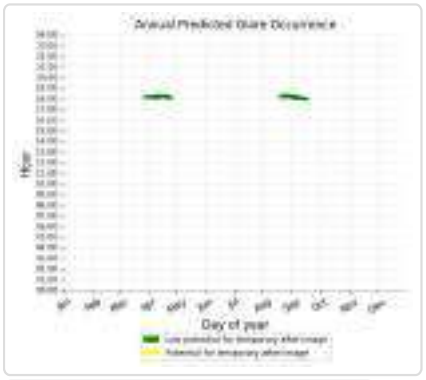


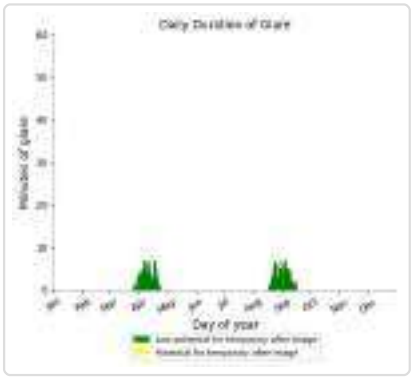


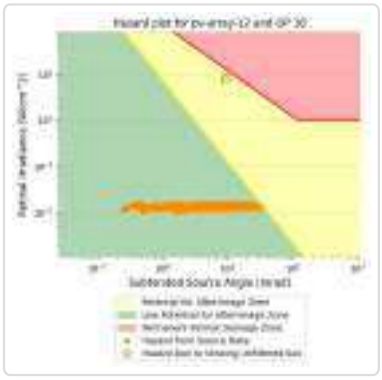
PV array 12: OP 16

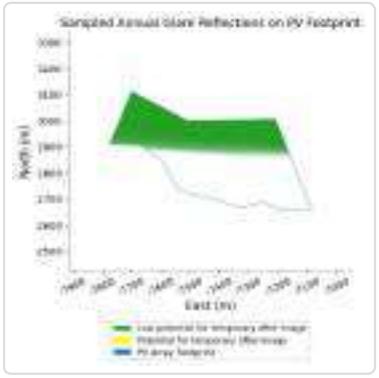
PV array is expected to produce the following glare for this receptor:

- 246 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





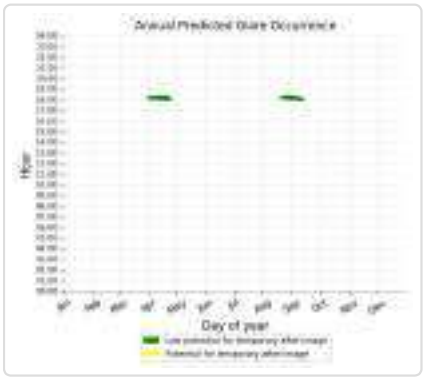


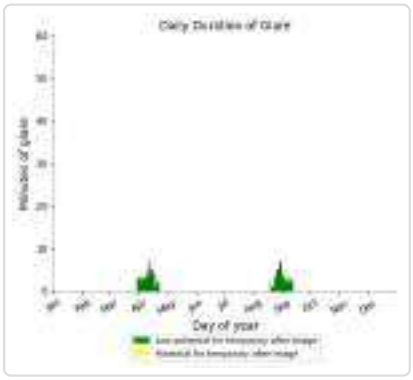


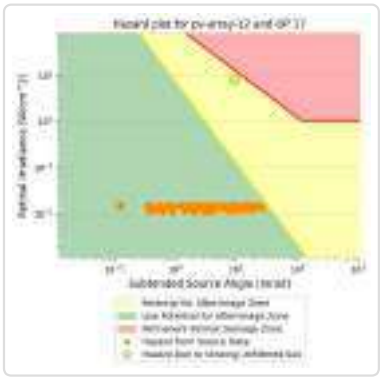
PV array 12: OP 17

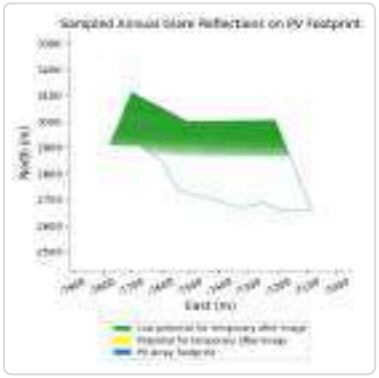
PV array is expected to produce the following glare for this receptor:

- 159 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





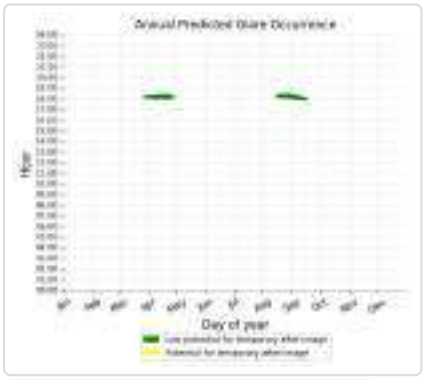


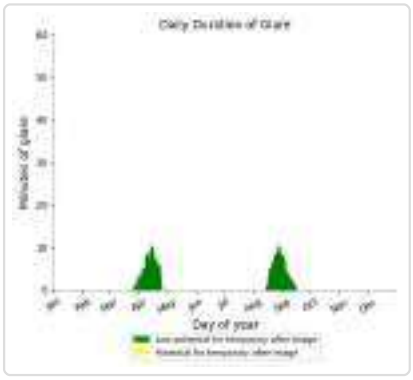


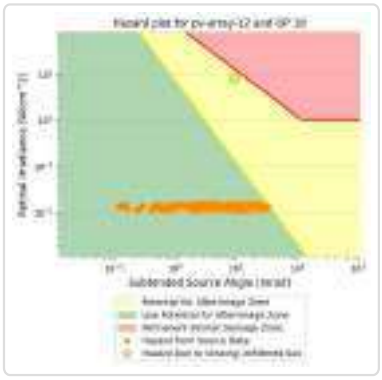
PV array 12: OP 18

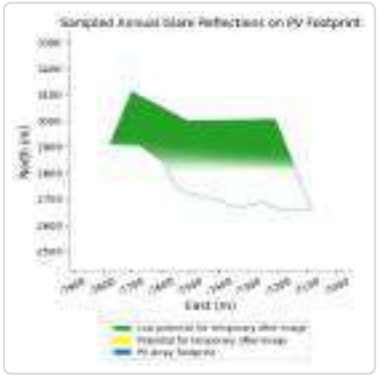
PV array is expected to produce the following glare for this receptor:

- 352 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









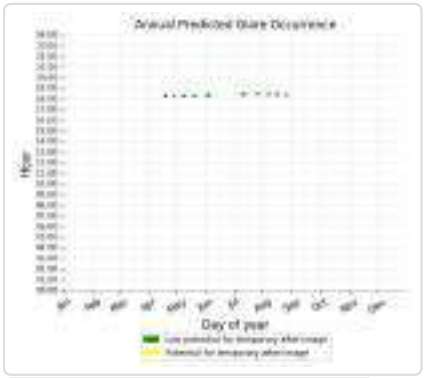
PV array 12: OP 19

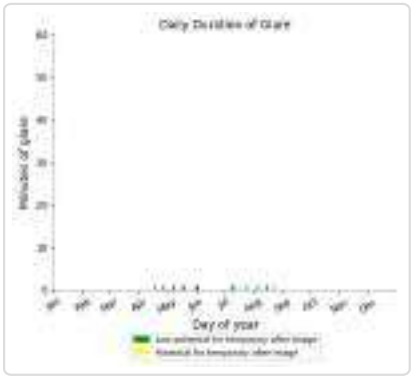
No glare found

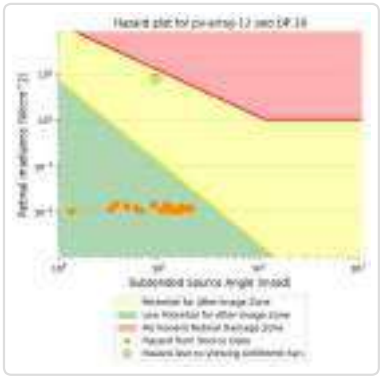
PV array 12: OP 20

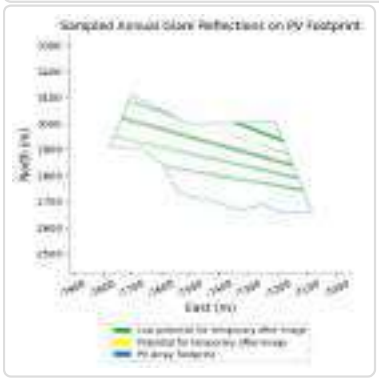
PV array is expected to produce the following glare for this receptor:

- 21 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





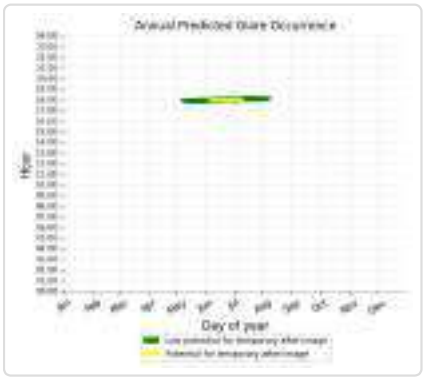


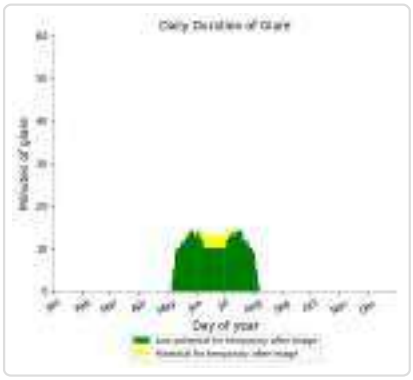


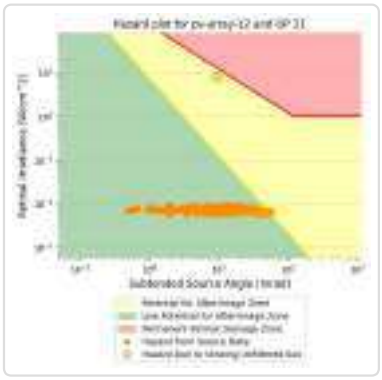
PV array 12: OP 21

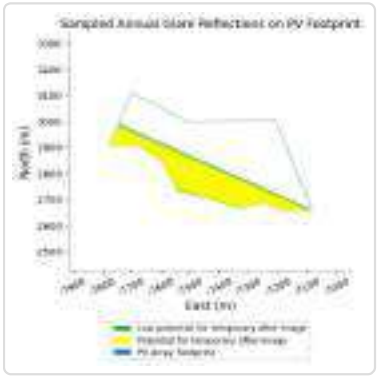
PV array is expected to produce the following glare for this receptor:

- 1,022 minutes of "green" glare with low potential to cause temporary after-image.
- 89 minutes of "yellow" glare with potential to cause temporary after-image.





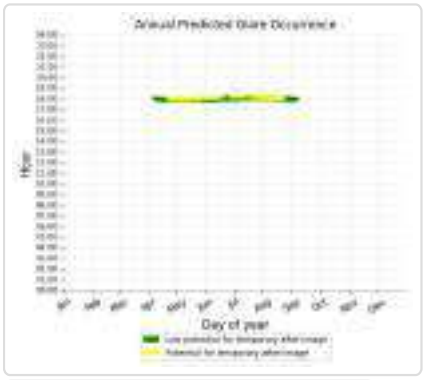


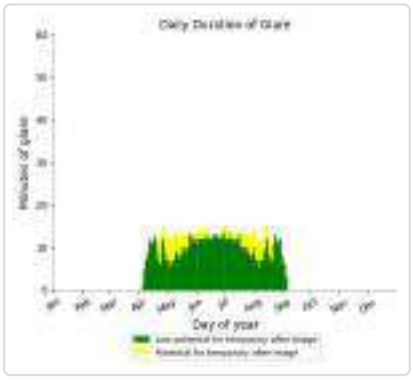


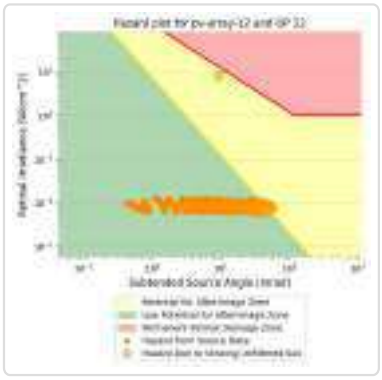
PV array 12: OP 22

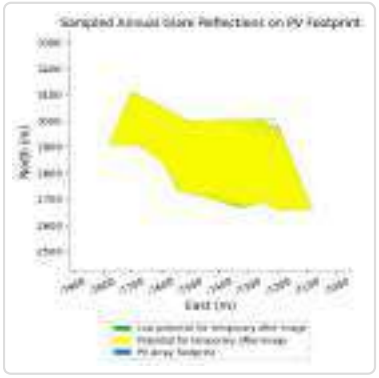
PV array is expected to produce the following glare for this receptor:

- 1,538 minutes of "green" glare with low potential to cause temporary after-image.
- 368 minutes of "yellow" glare with potential to cause temporary after-image.





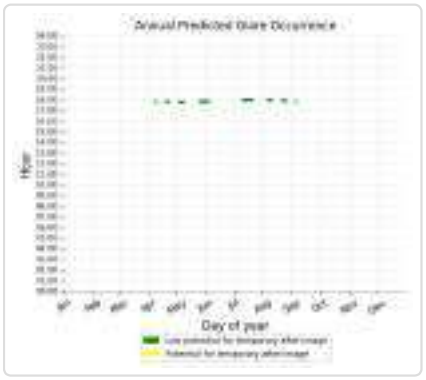


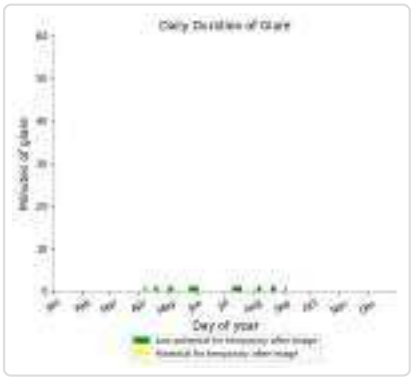


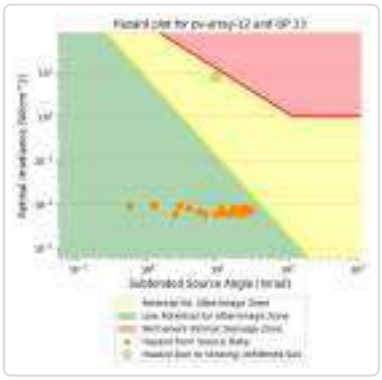
PV array 12: OP 23

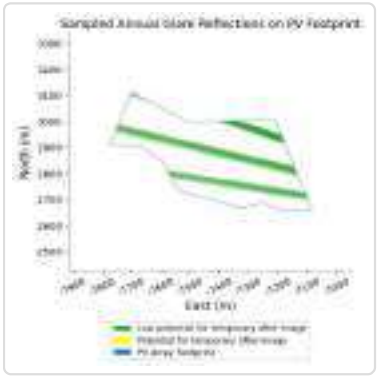
PV array is expected to produce the following glare for this receptor:

- 41 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





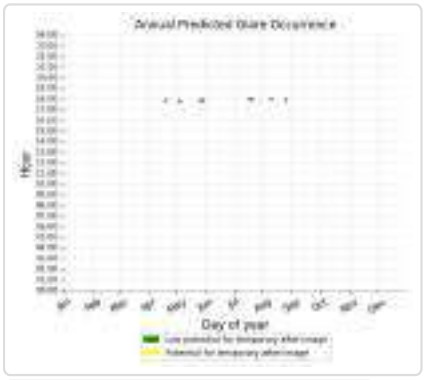


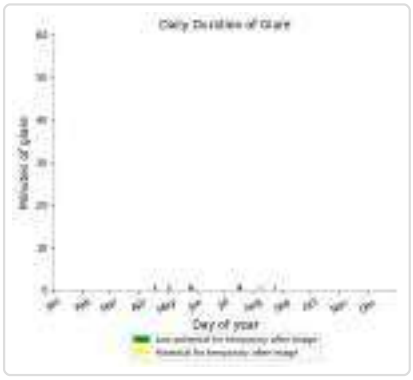


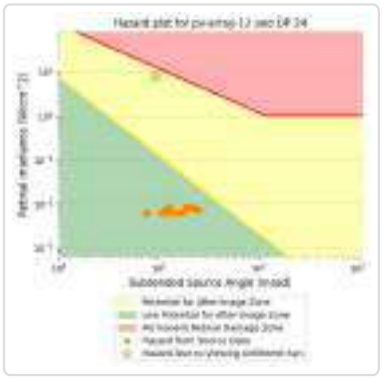
PV array 12: OP 24

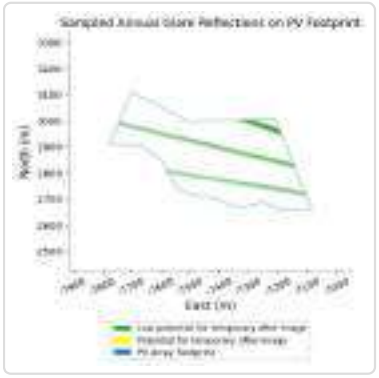
PV array is expected to produce the following glare for this receptor:

- 15 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









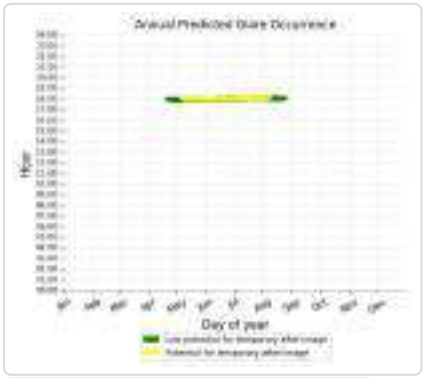
PV array 12: OP 25

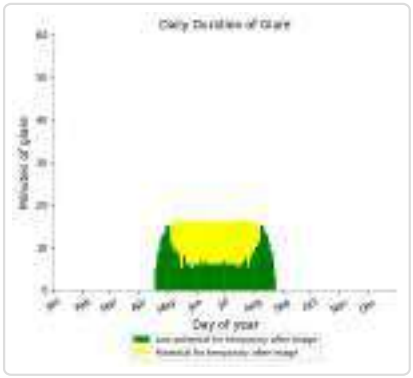
No glare found

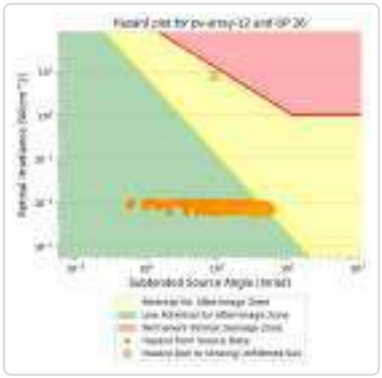
PV array 12: OP 26

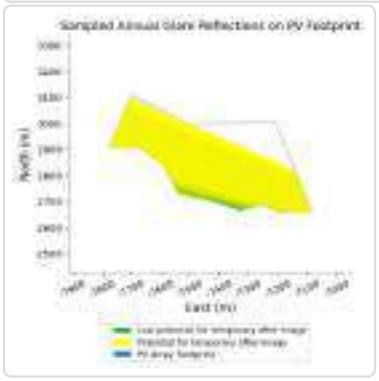
PV array is expected to produce the following glare for this receptor:

- 1,030 minutes of "green" glare with low potential to cause temporary after-image.
- 871 minutes of "yellow" glare with potential to cause temporary after-image.





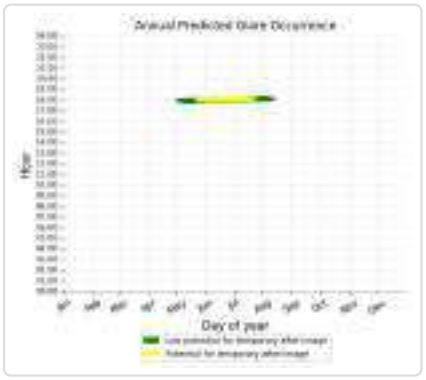


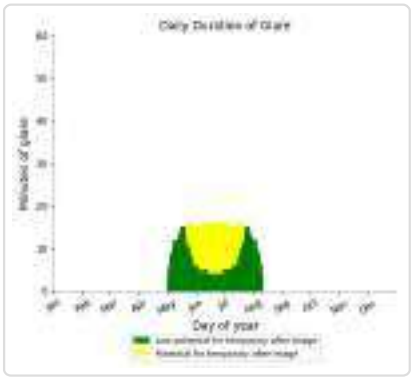


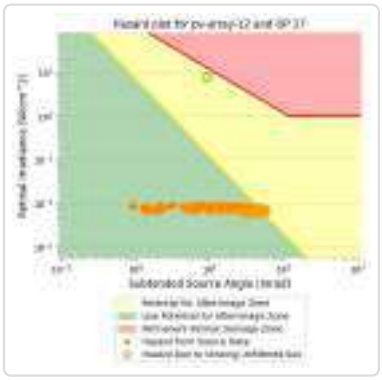
PV array 12: OP 27

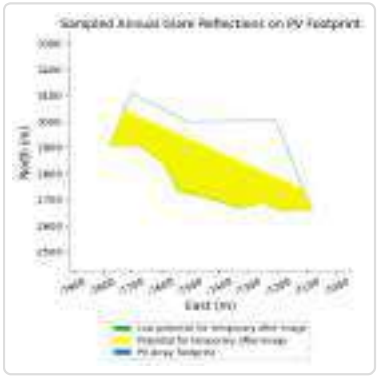
PV array is expected to produce the following glare for this receptor:

- 844 minutes of "green" glare with low potential to cause temporary after-image.
- 597 minutes of "yellow" glare with potential to cause temporary after-image.





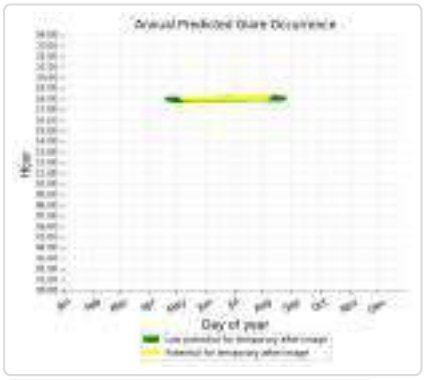


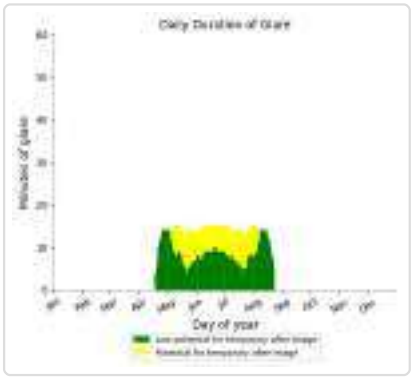


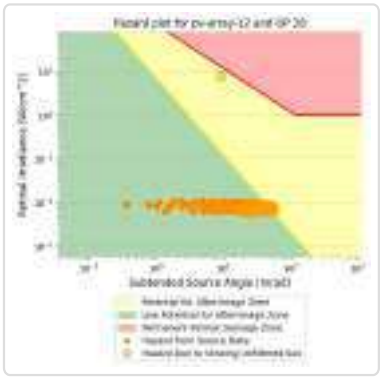
PV array 12: OP 28

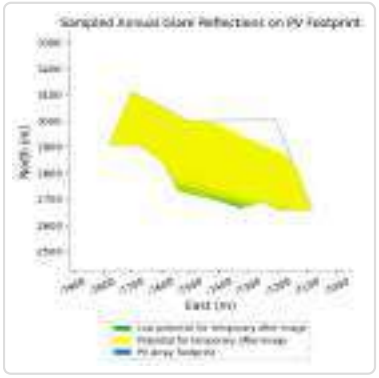
PV array is expected to produce the following glare for this receptor:

- 1,119 minutes of "green" glare with low potential to cause temporary after-image.
- 627 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 29
No glare found

PV array 12: OP 30
No glare found

PV array 12: OP 31
No glare found

PV array 12: OP 32
No glare found

PV array 12: OP 33
No glare found

PV array 12: OP 34
No glare found

PV array 12: OP 35
No glare found

PV array 12: OP 36
No glare found

PV array 12: OP 37
No glare found

PV array 12: OP 38
No glare found

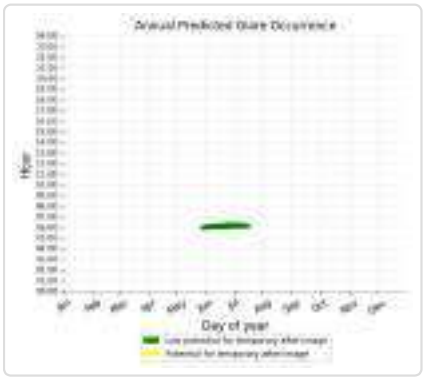
PV array 12: OP 39
No glare found

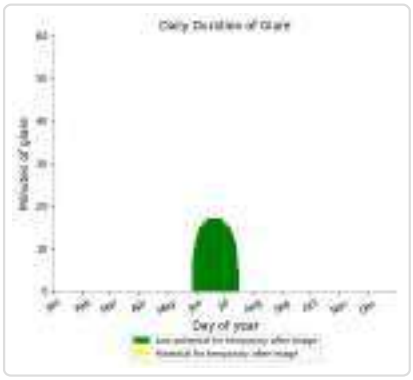
PV array 12: OP 40
No glare found

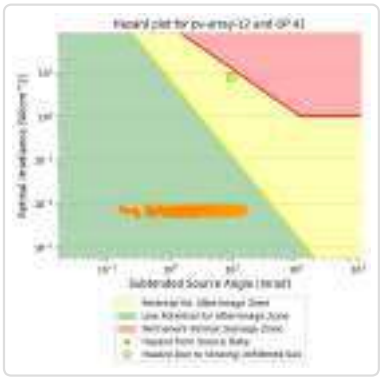
PV array 12: OP 41

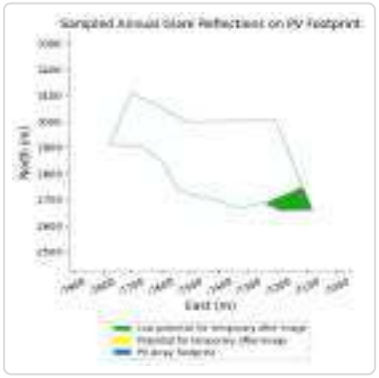
PV array is expected to produce the following glare for this receptor:

- 730 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





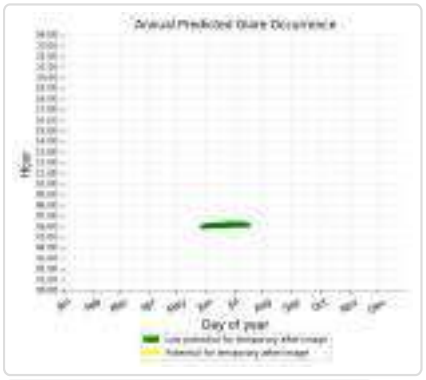


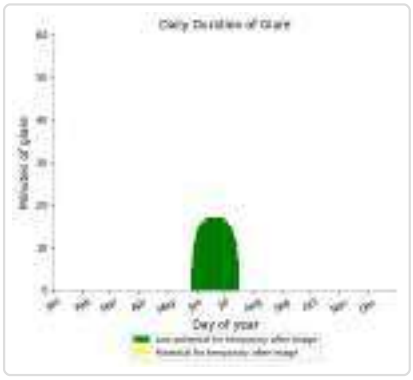


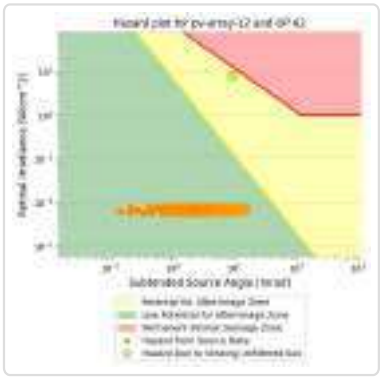
PV array 12: OP 42

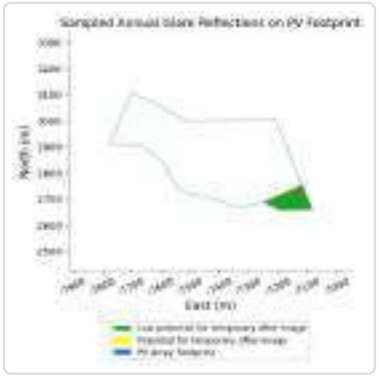
PV array is expected to produce the following glare for this receptor:

- 753 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





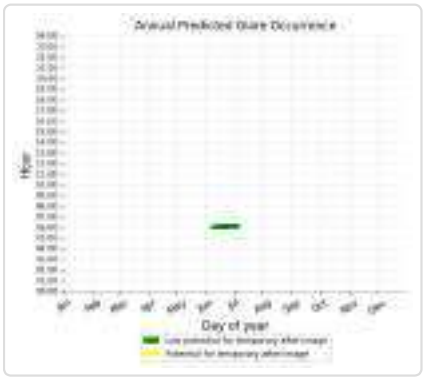


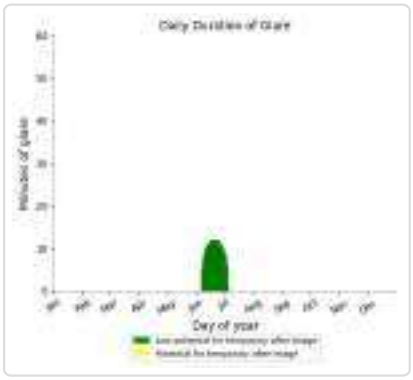


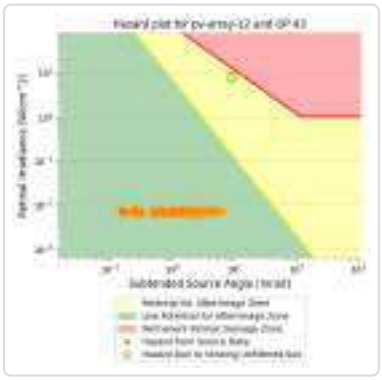
PV array 12: OP 43

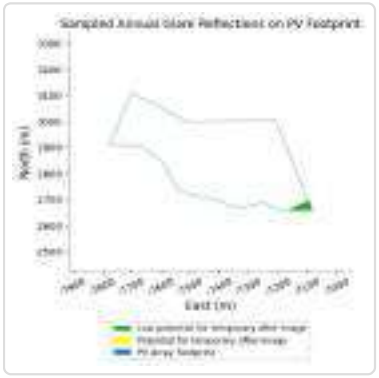
PV array is expected to produce the following glare for this receptor:

- 300 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 44

No glare found

PV array 12: OP 45

No glare found

PV array 12: OP 46

No glare found

PV array 12: OP 47

No glare found

PV array 12: OP 48

No glare found

PV array 12: OP 49

No glare found

PV array 12: OP 50

No glare found

PV array 12: OP 51

No glare found

PV array 12: OP 52

No glare found

PV array 12: OP 53

No glare found

PV array 12: OP 54

No glare found

PV array 12: OP 55

No glare found

PV array 12: OP 56

No glare found

PV array 12: OP 57

No glare found

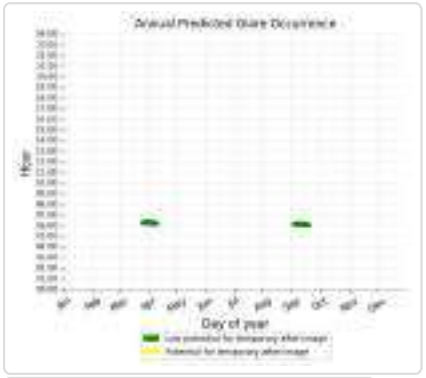
PV array 12: OP 58

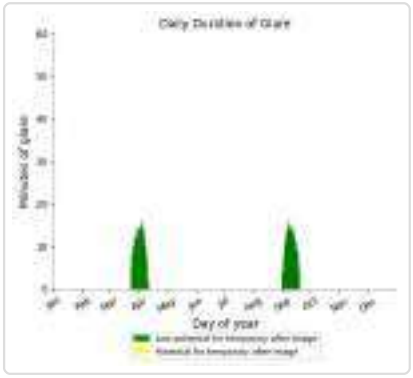
No glare found

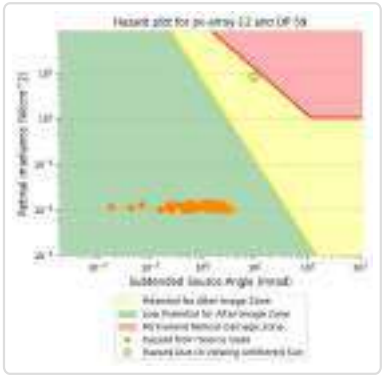
PV array 12: OP 59

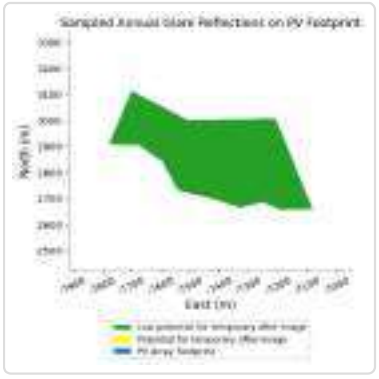
PV array is expected to produce the following glare for this receptor:

- 418 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12: OP 60

No glare found

PV array 12: OP 61

No glare found

PV array 12: OP 62

No glare found

PV array 12: OP 63

No glare found

PV array 12: OP 64

No glare found

PV array 12: OP 65

No glare found

PV array 2 no glare found

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0

OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

No glare found

PV array 3 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0

OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	124	0
OP: OP 45	138	0
OP: OP 46	143	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	19	0
OP: OP 51	36	0
OP: OP 52	54	0
OP: OP 53	184	0
OP: OP 54	254	0
OP: OP 55	305	0
OP: OP 56	388	0
OP: OP 57	365	0
OP: OP 58	405	0
OP: OP 59	28	0
OP: OP 60	416	0
OP: OP 61	532	0
OP: OP 62	535	0
OP: OP 63	623	0
OP: OP 64	499	0
OP: OP 65	564	0

PV array 3: OP 1

No glare found

PV array 3: OP 2

No glare found

PV array 3: OP 3

No glare found

PV array 3: OP 4
No glare found

PV array 3: OP 5
No glare found

PV array 3: OP 6
No glare found

PV array 3: OP 7
No glare found

PV array 3: OP 8
No glare found

PV array 3: OP 9
No glare found

PV array 3: OP 10
No glare found

PV array 3: OP 11
No glare found

PV array 3: OP 12
No glare found

PV array 3: OP 13
No glare found

PV array 3: OP 14
No glare found

PV array 3: OP 15
No glare found

PV array 3: OP 16
No glare found

PV array 3: OP 17
No glare found

PV array 3: OP 18
No glare found

PV array 3: OP 19
No glare found

PV array 3: OP 20
No glare found

PV array 3: OP 21
No glare found

PV array 3: OP 22
No glare found

PV array 3: OP 23
No glare found

PV array 3: OP 24
No glare found

PV array 3: OP 25
No glare found

PV array 3: OP 26
No glare found

PV array 3: OP 27
No glare found

PV array 3: OP 28
No glare found

PV array 3: OP 29
No glare found

PV array 3: OP 30
No glare found

PV array 3: OP 31
No glare found

PV array 3: OP 32
No glare found

PV array 3: OP 33
No glare found

PV array 3: OP 34

No glare found

PV array 3: OP 35

No glare found

PV array 3: OP 36

No glare found

PV array 3: OP 37

No glare found

PV array 3: OP 38

No glare found

PV array 3: OP 39

No glare found

PV array 3: OP 40

No glare found

PV array 3: OP 41

No glare found

PV array 3: OP 42

No glare found

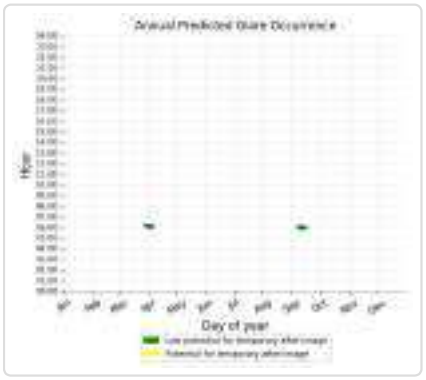
PV array 3: OP 43

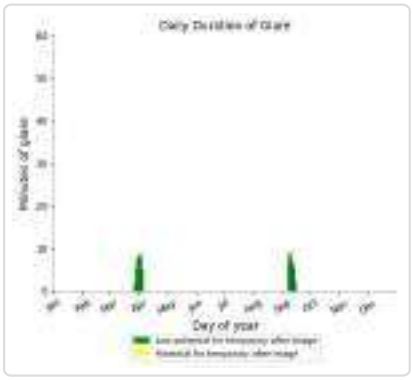
No glare found

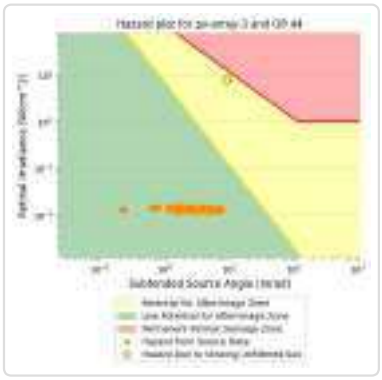
PV array 3: OP 44

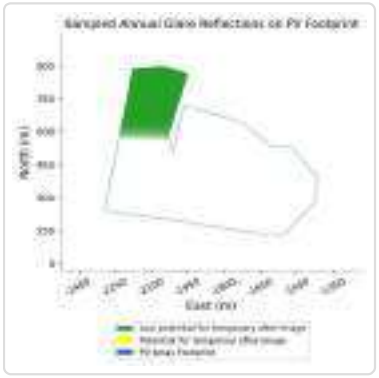
PV array is expected to produce the following glare for this receptor:

- 124 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





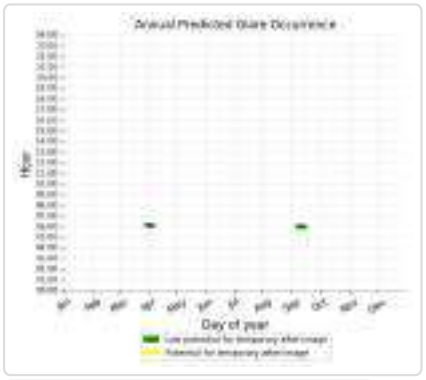


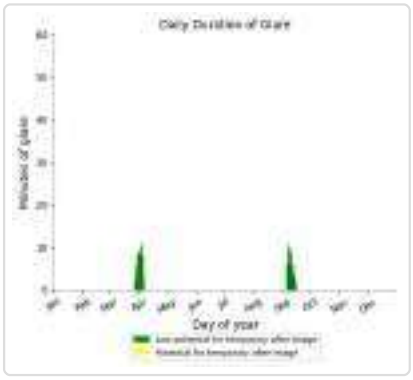


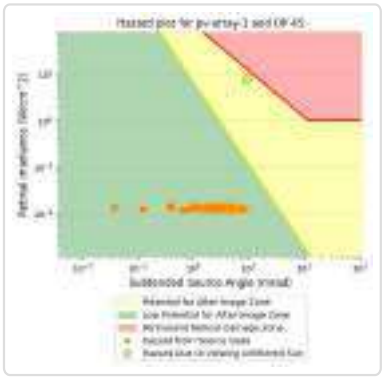
PV array 3: OP 45

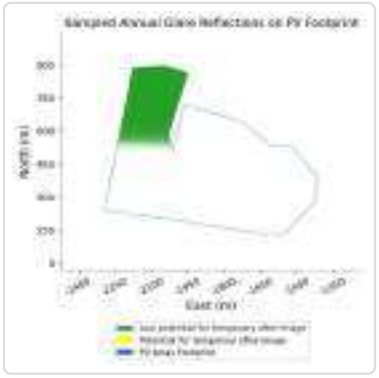
PV array is expected to produce the following glare for this receptor:

- 138 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





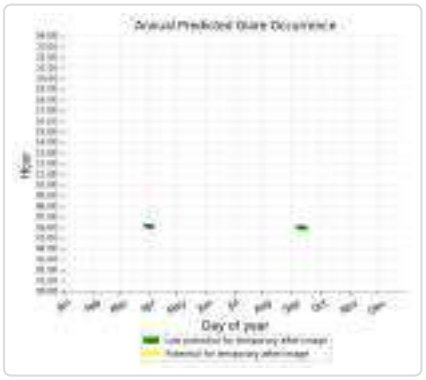


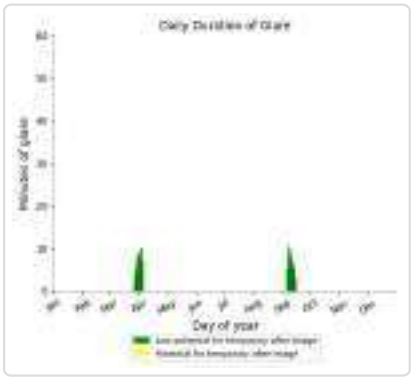


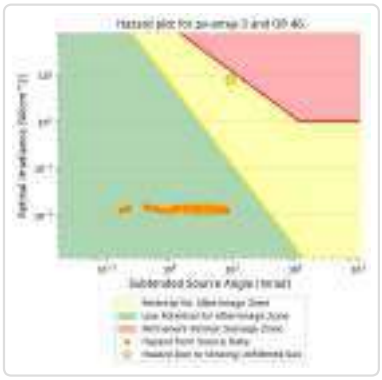
PV array 3: OP 46

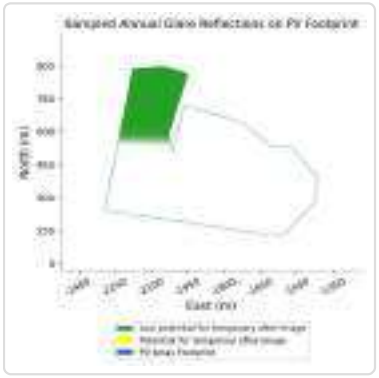
PV array is expected to produce the following glare for this receptor:

- 143 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 3: OP 47

No glare found

PV array 3: OP 48

No glare found

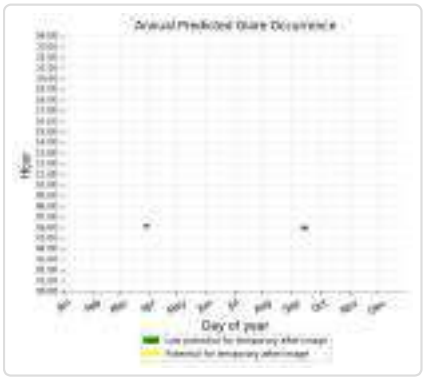
PV array 3: OP 49

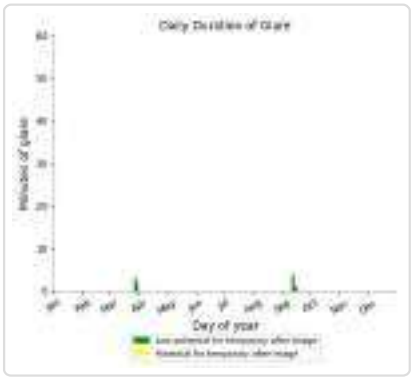
No glare found

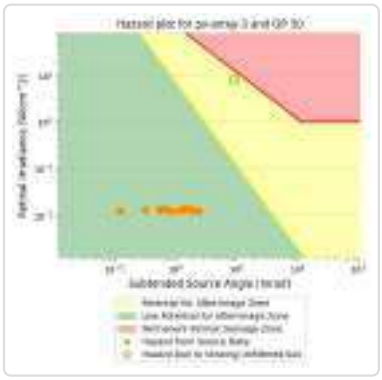
PV array 3: OP 50

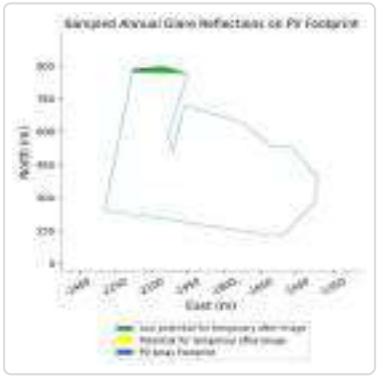
PV array is expected to produce the following glare for this receptor:

- 19 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





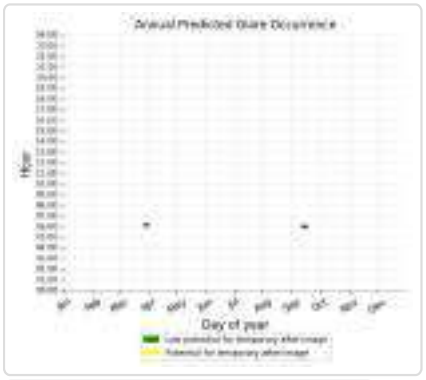


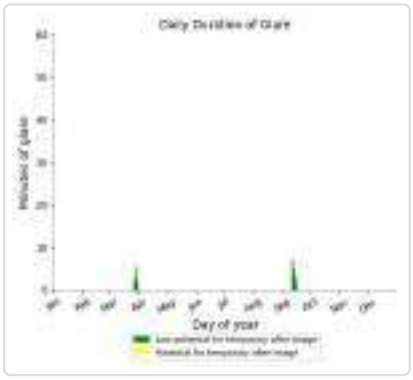


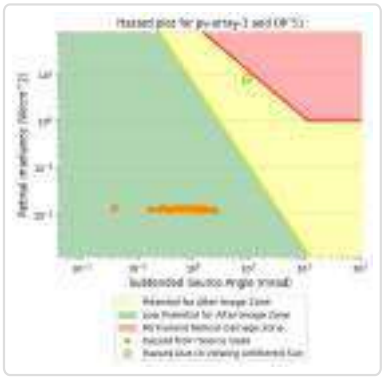
PV array 3: OP 51

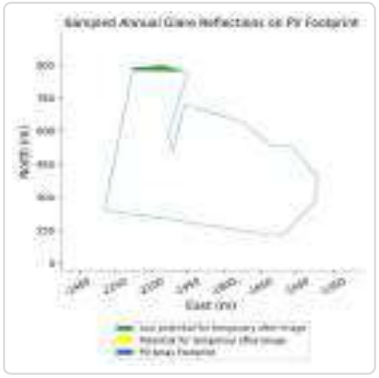
PV array is expected to produce the following glare for this receptor:

- 36 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





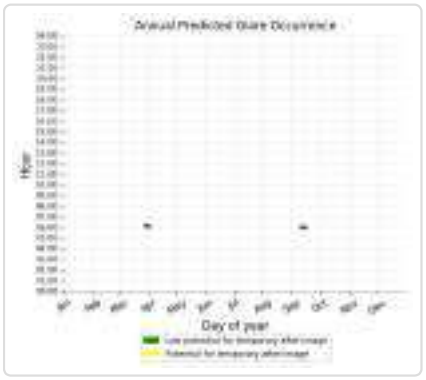


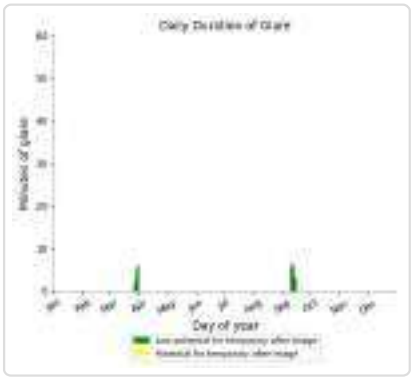


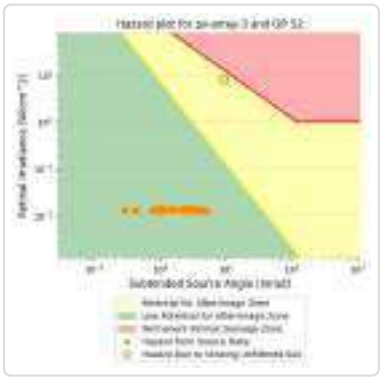
PV array 3: OP 52

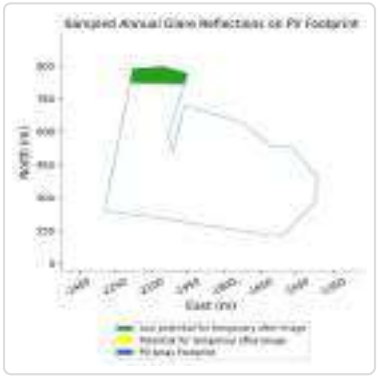
PV array is expected to produce the following glare for this receptor:

- 54 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





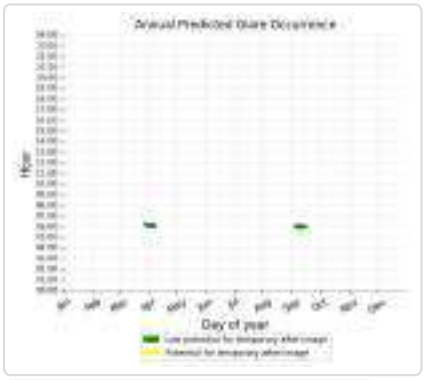


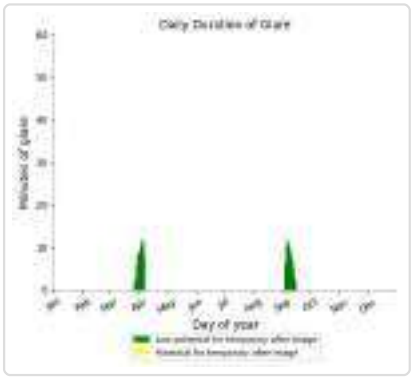


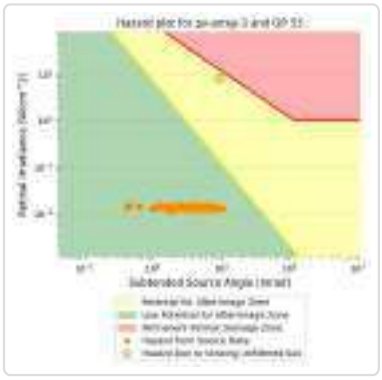
PV array 3: OP 53

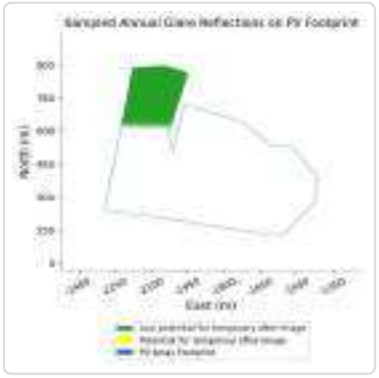
PV array is expected to produce the following glare for this receptor:

- 184 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





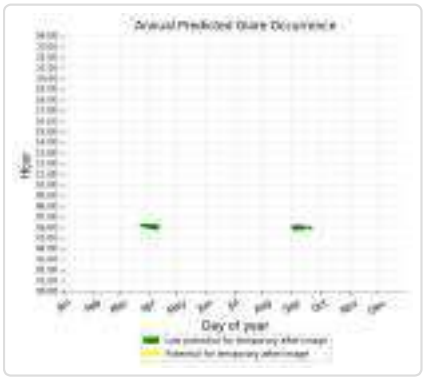


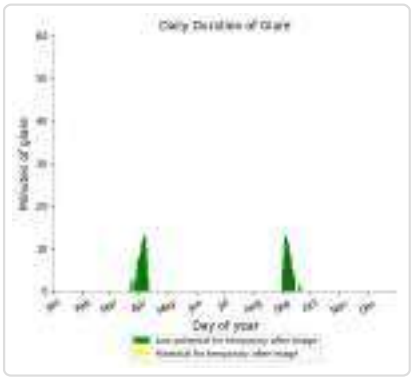


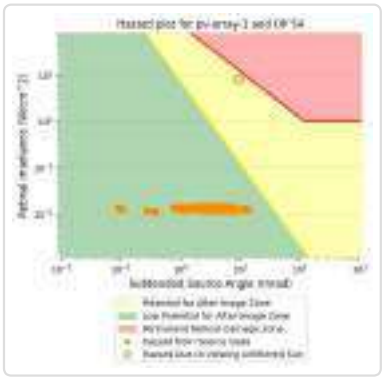
PV array 3: OP 54

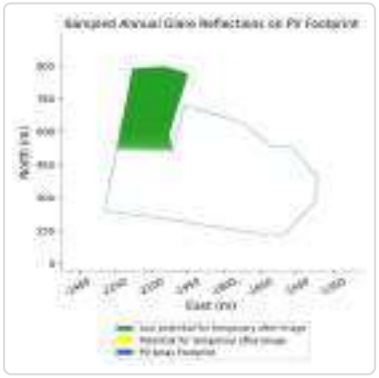
PV array is expected to produce the following glare for this receptor:

- 254 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





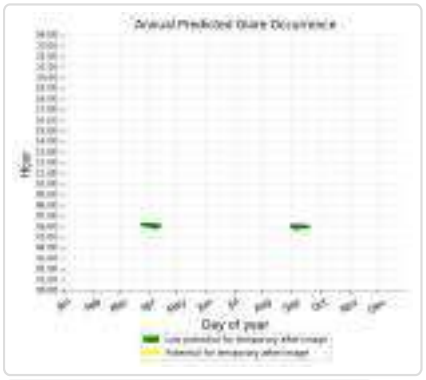


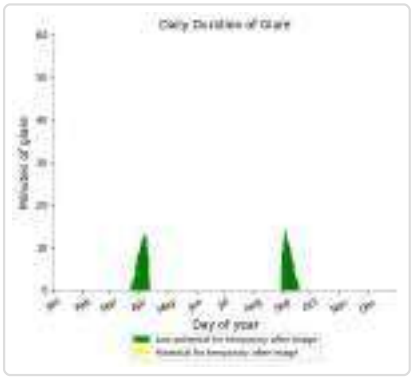


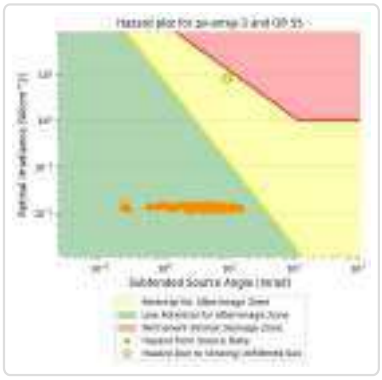
PV array 3: OP 55

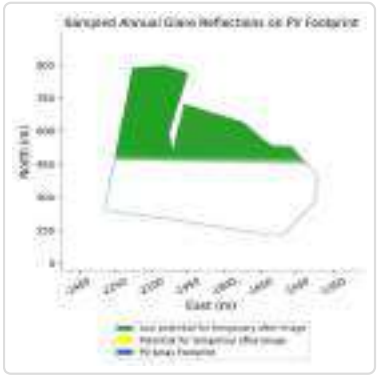
PV array is expected to produce the following glare for this receptor:

- 305 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





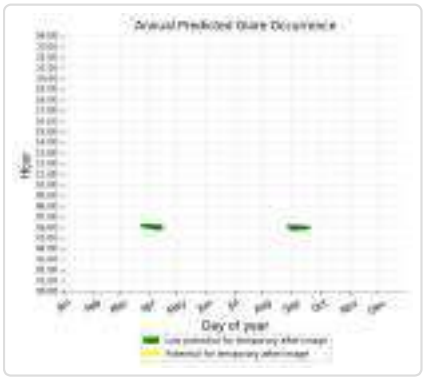


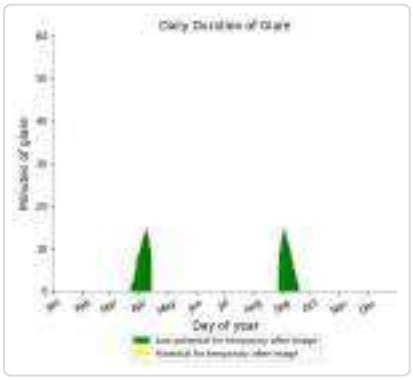


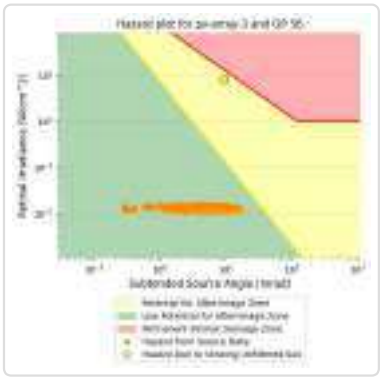
PV array 3: OP 56

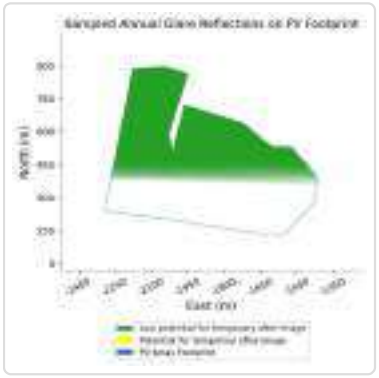
PV array is expected to produce the following glare for this receptor:

- 388 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





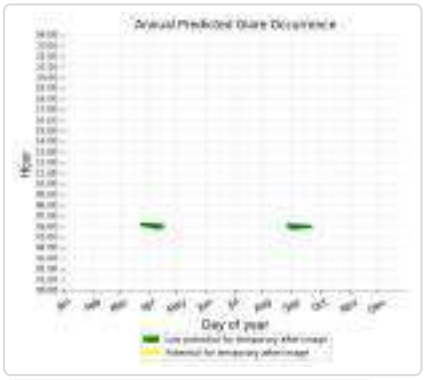


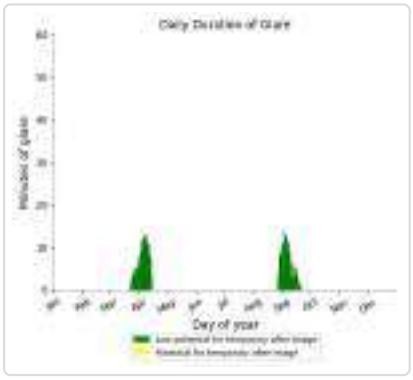


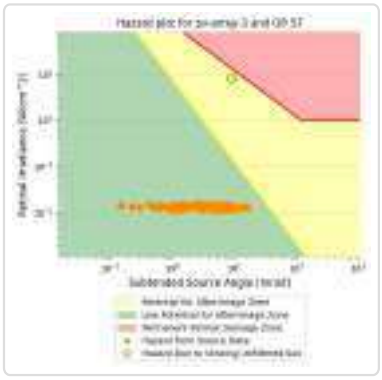
PV array 3: OP 57

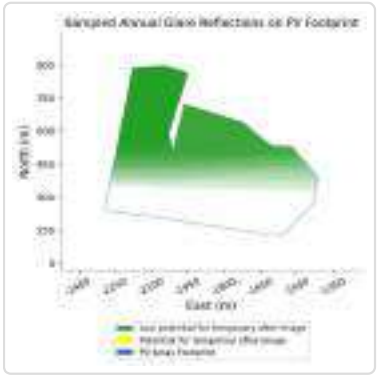
PV array is expected to produce the following glare for this receptor:

- 365 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





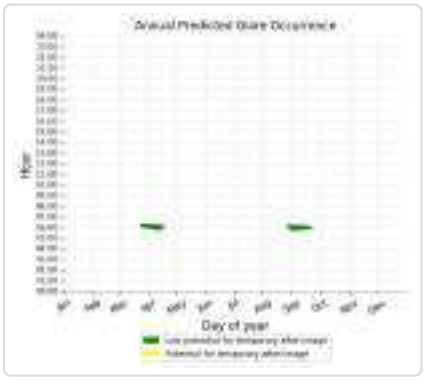


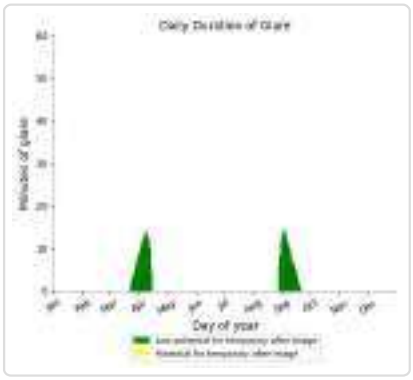


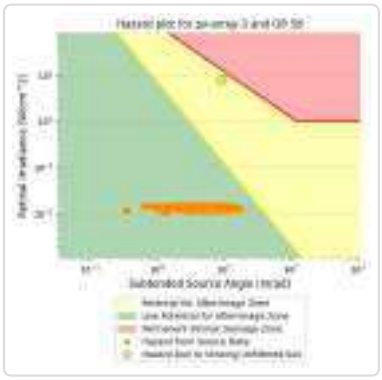
PV array 3: OP 58

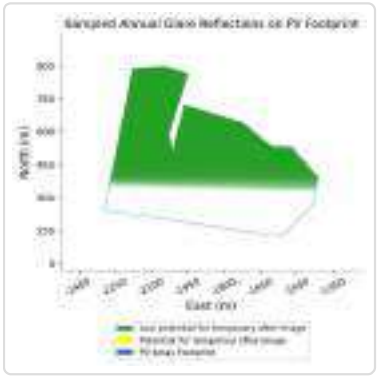
PV array is expected to produce the following glare for this receptor:

- 405 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





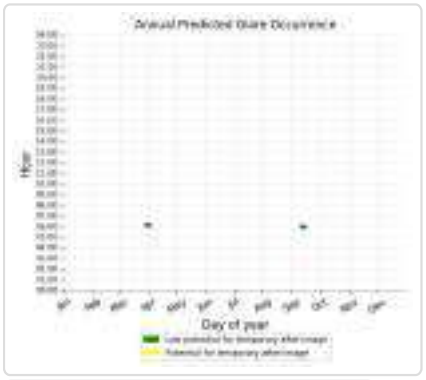


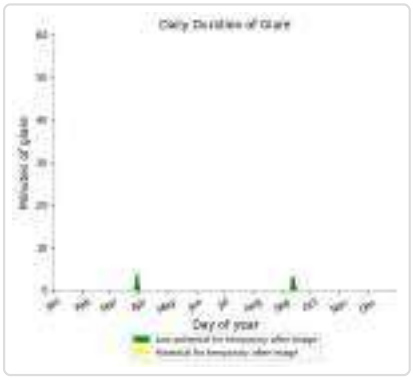


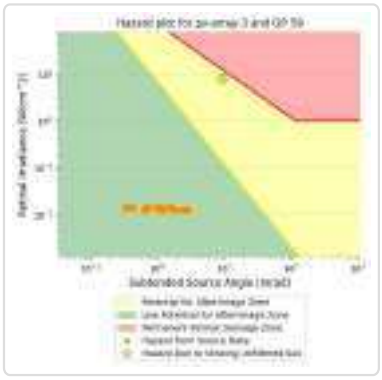
PV array 3: OP 59

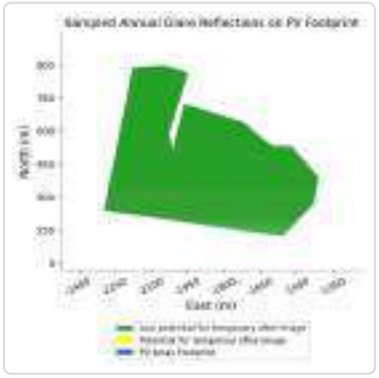
PV array is expected to produce the following glare for this receptor:

- 28 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





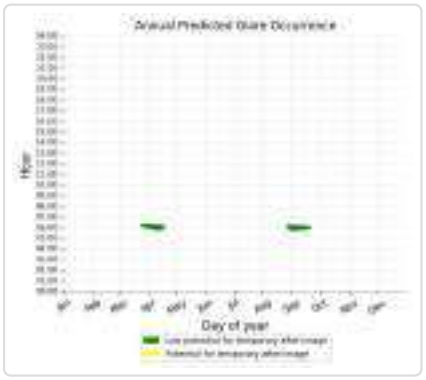


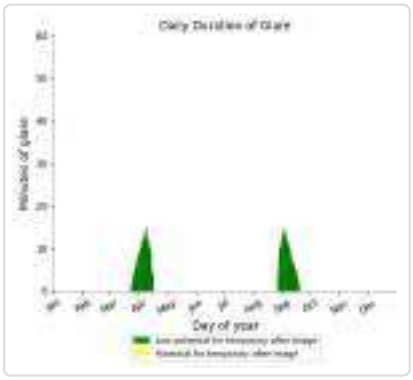


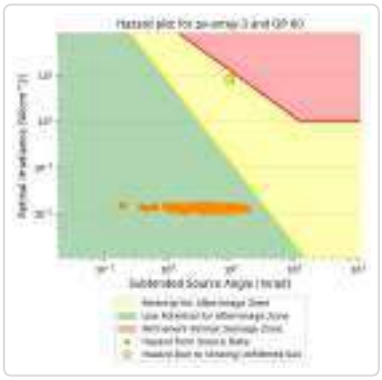
PV array 3: OP 60

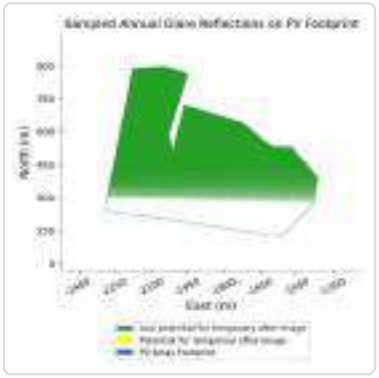
PV array is expected to produce the following glare for this receptor:

- 416 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





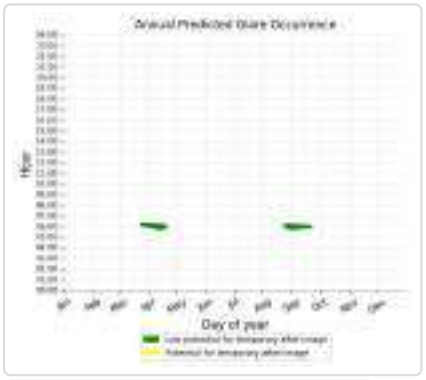


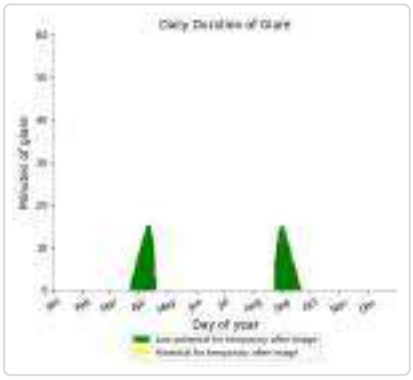


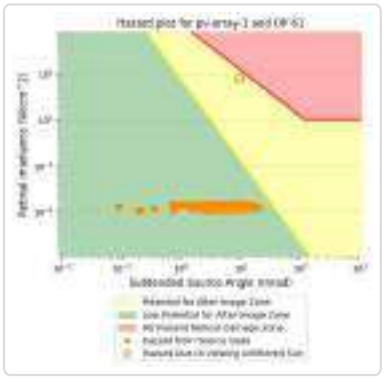
PV array 3: OP 61

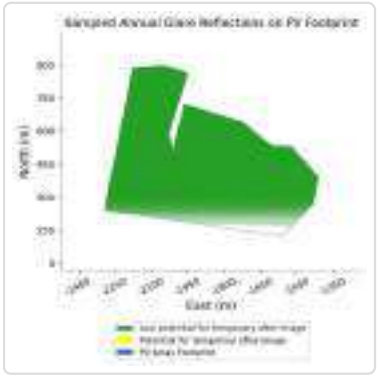
PV array is expected to produce the following glare for this receptor:

- 532 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





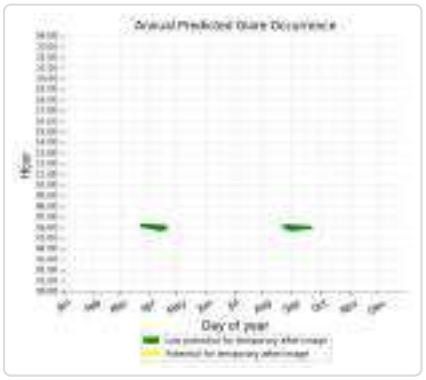


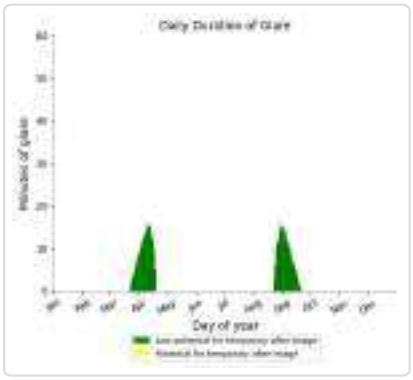


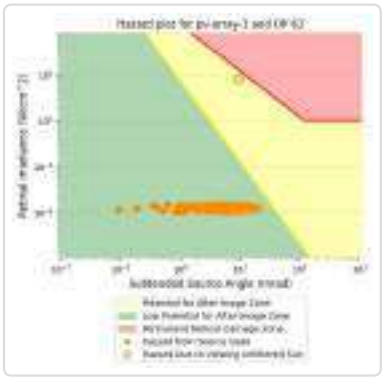
PV array 3: OP 62

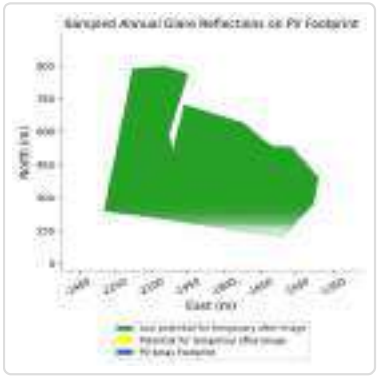
PV array is expected to produce the following glare for this receptor:

- 535 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





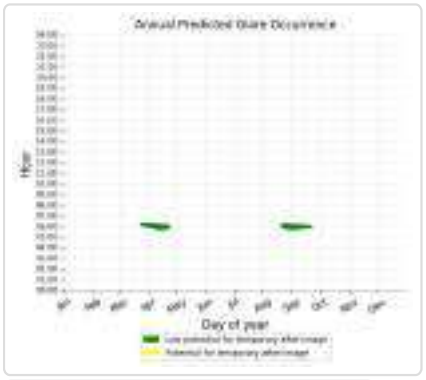


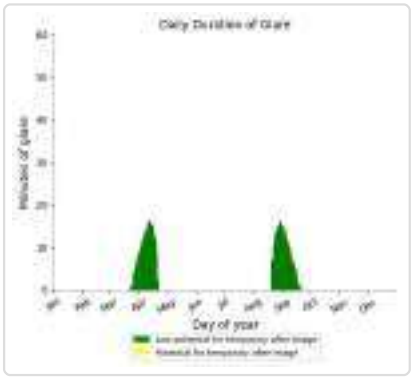


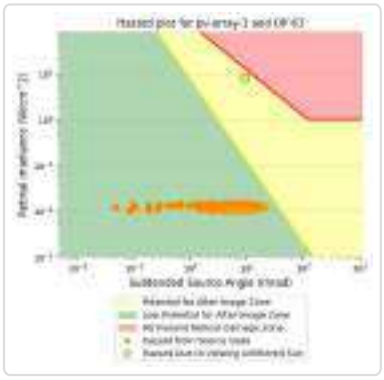
PV array 3: OP 63

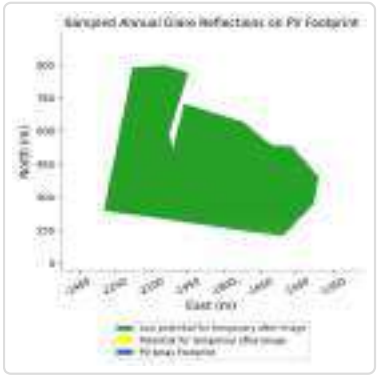
PV array is expected to produce the following glare for this receptor:

- 623 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





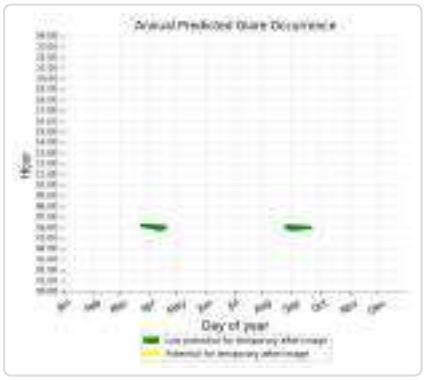


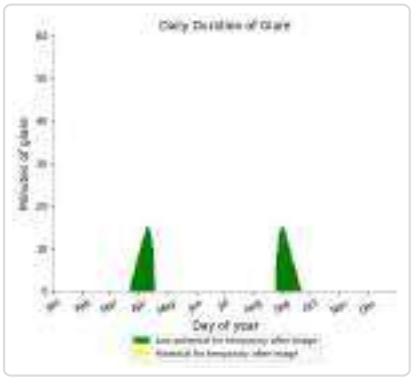


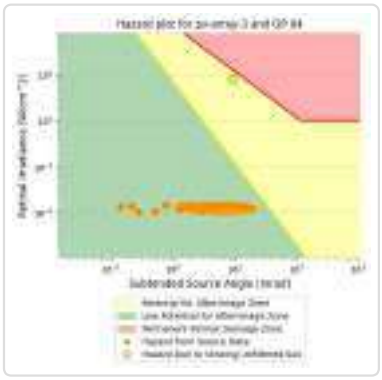
PV array 3: OP 64

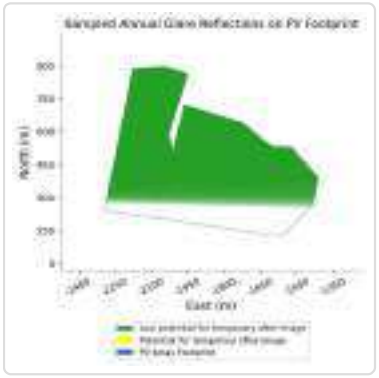
PV array is expected to produce the following glare for this receptor:

- 499 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





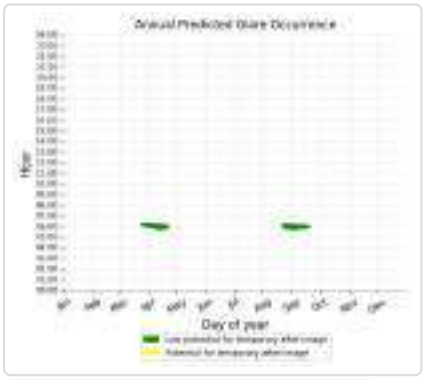


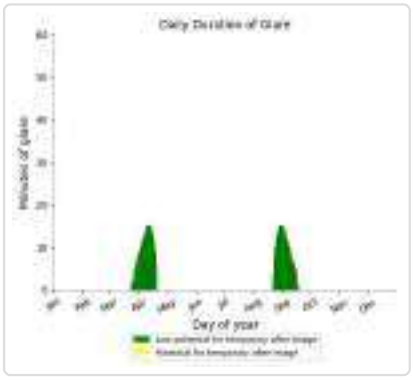


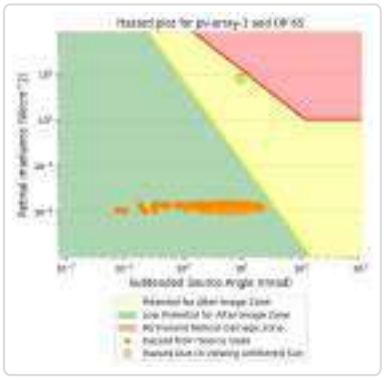
PV array 3: OP 65

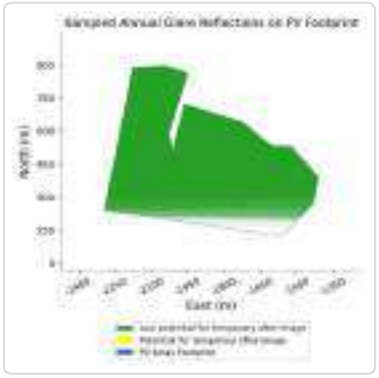
PV array is expected to produce the following glare for this receptor:

- 564 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 4 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	273	0
OP: OP 45	313	0
OP: OP 46	303	0
OP: OP 47	0	0

OP: OP 48	26	0
OP: OP 49	58	0
OP: OP 50	196	0
OP: OP 51	191	0
OP: OP 52	233	0
OP: OP 53	410	0
OP: OP 54	585	0
OP: OP 55	643	0
OP: OP 56	737	0
OP: OP 57	767	0
OP: OP 58	735	0
OP: OP 59	117	0
OP: OP 60	768	0
OP: OP 61	875	0
OP: OP 62	891	0
OP: OP 63	975	0
OP: OP 64	858	0
OP: OP 65	952	0

PV array 4: OP 1

No glare found

PV array 4: OP 2

No glare found

PV array 4: OP 3

No glare found

PV array 4: OP 4

No glare found

PV array 4: OP 5

No glare found

PV array 4: OP 6

No glare found

PV array 4: OP 7

No glare found

PV array 4: OP 8

No glare found

PV array 4: OP 9

No glare found

PV array 4: OP 10
No glare found

PV array 4: OP 11
No glare found

PV array 4: OP 12
No glare found

PV array 4: OP 13
No glare found

PV array 4: OP 14
No glare found

PV array 4: OP 15
No glare found

PV array 4: OP 16
No glare found

PV array 4: OP 17
No glare found

PV array 4: OP 18
No glare found

PV array 4: OP 19
No glare found

PV array 4: OP 20
No glare found

PV array 4: OP 21
No glare found

PV array 4: OP 22
No glare found

PV array 4: OP 23
No glare found

PV array 4: OP 24
No glare found

PV array 4: OP 25
No glare found

PV array 4: OP 26
No glare found

PV array 4: OP 27
No glare found

PV array 4: OP 28
No glare found

PV array 4: OP 29
No glare found

PV array 4: OP 30
No glare found

PV array 4: OP 31
No glare found

PV array 4: OP 32
No glare found

PV array 4: OP 33
No glare found

PV array 4: OP 34
No glare found

PV array 4: OP 35
No glare found

PV array 4: OP 36
No glare found

PV array 4: OP 37
No glare found

PV array 4: OP 38
No glare found

PV array 4: OP 39
No glare found

PV array 4: OP 40

No glare found

PV array 4: OP 41

No glare found

PV array 4: OP 42

No glare found

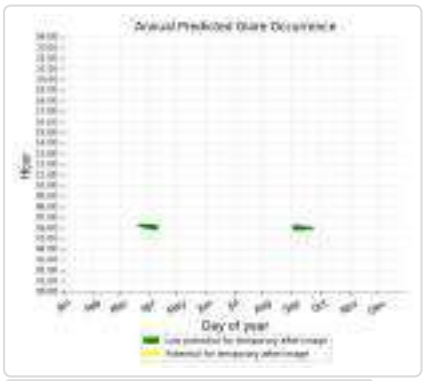
PV array 4: OP 43

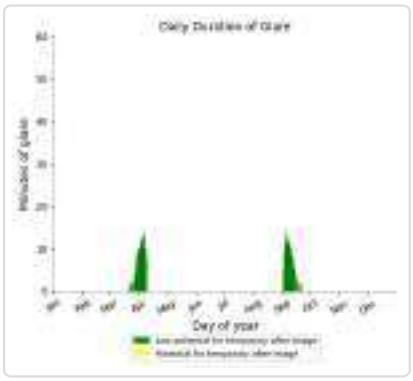
No glare found

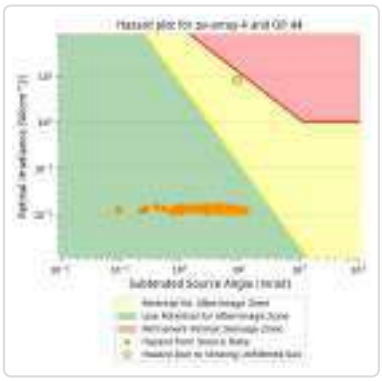
PV array 4: OP 44

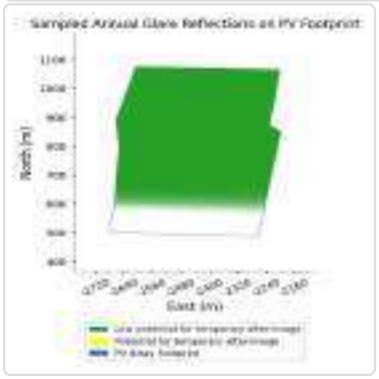
PV array is expected to produce the following glare for this receptor:

- 273 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





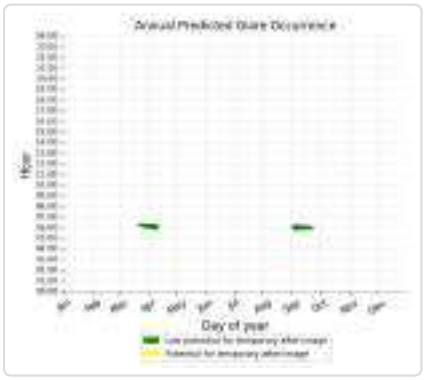


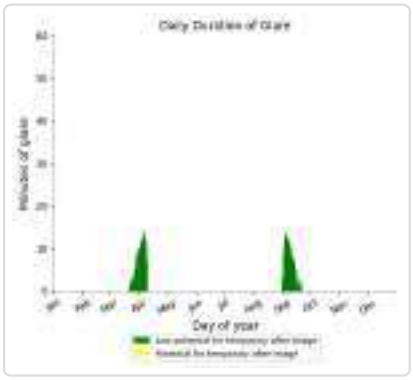


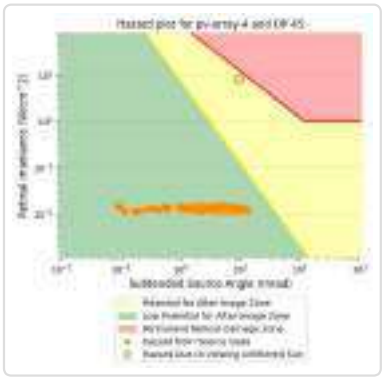
PV array 4: OP 45

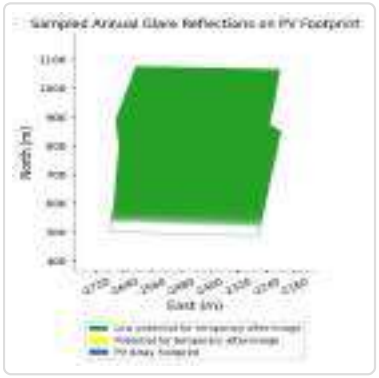
PV array is expected to produce the following glare for this receptor:

- 313 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





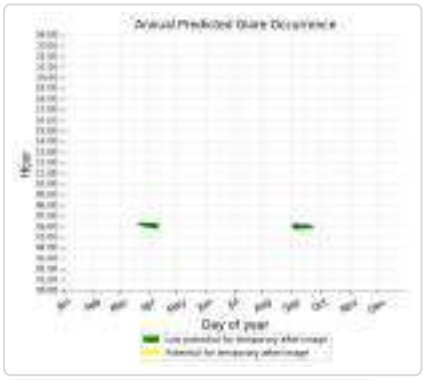


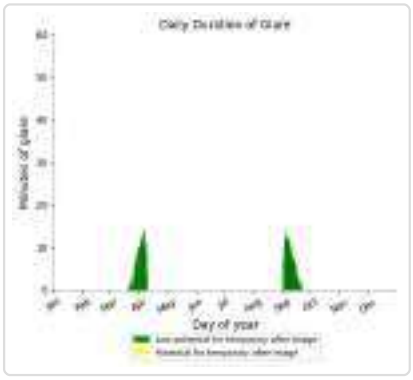


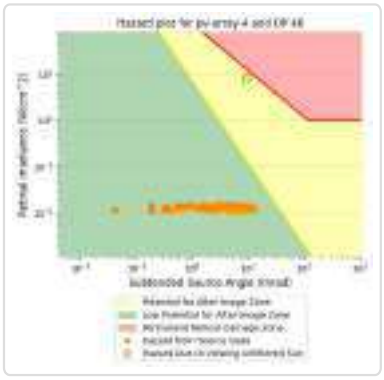
PV array 4: OP 46

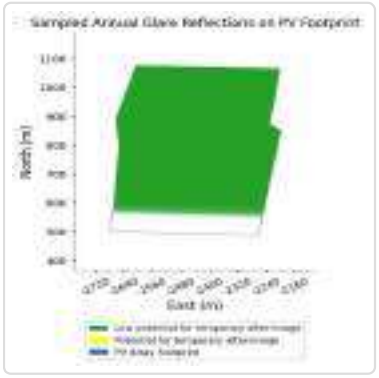
PV array is expected to produce the following glare for this receptor:

- 303 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









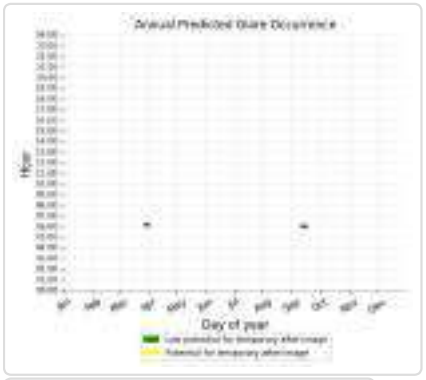
PV array 4: OP 47

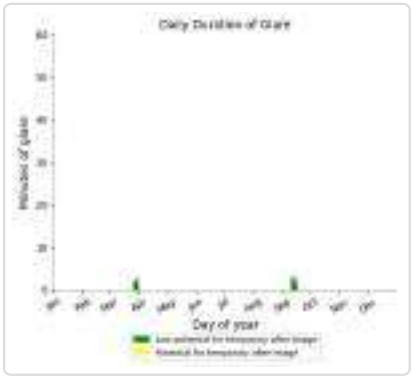
No glare found

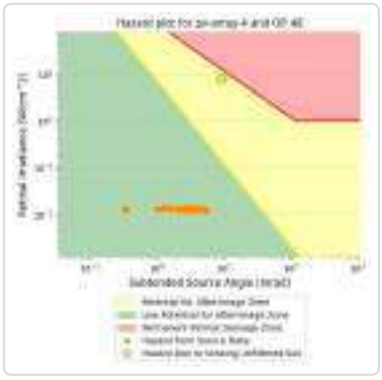
PV array 4: OP 48

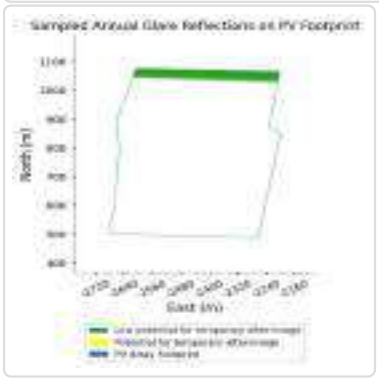
PV array is expected to produce the following glare for this receptor:

- 26 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





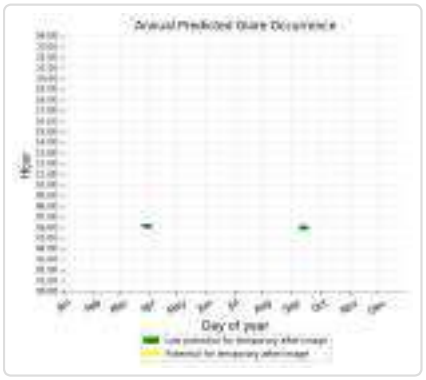


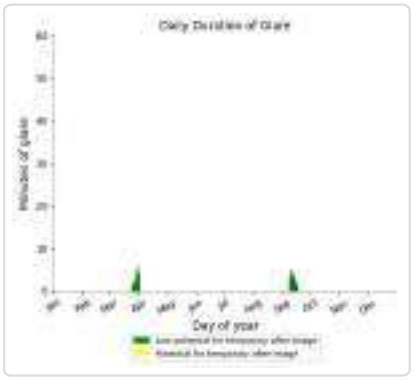


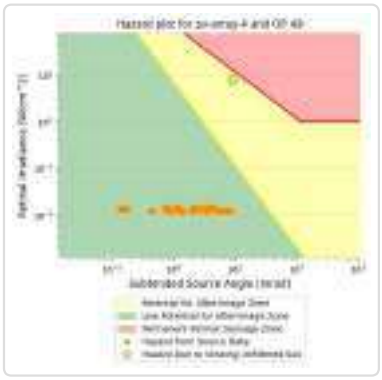
PV array 4: OP 49

PV array is expected to produce the following glare for this receptor:

- 58 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



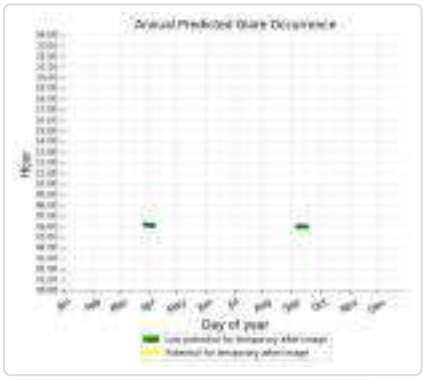


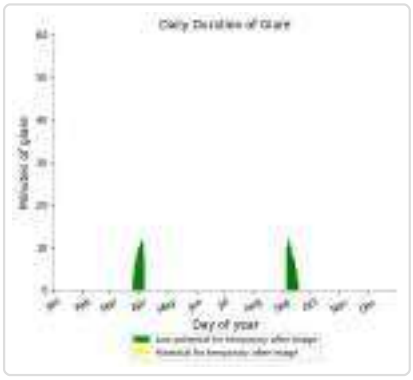


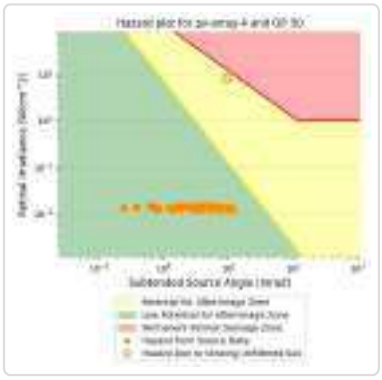
PV array 4: OP 50

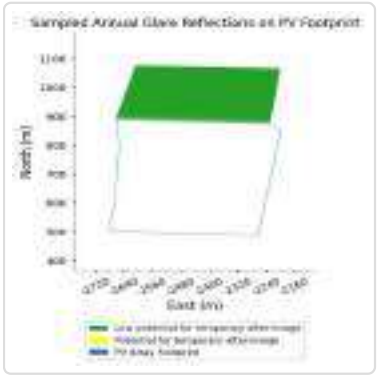
PV array is expected to produce the following glare for this receptor:

- 196 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





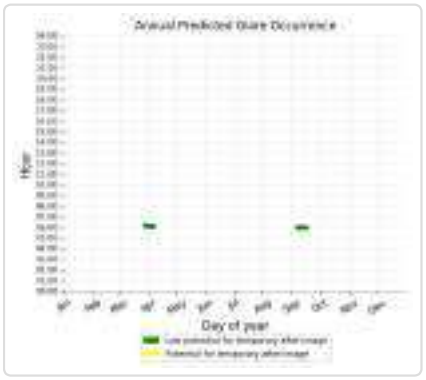


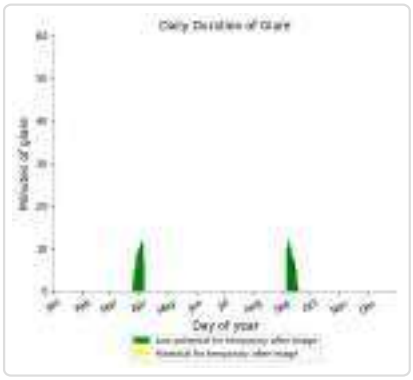


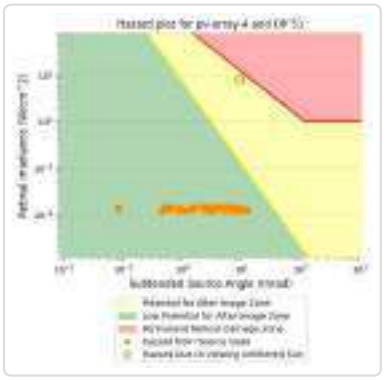
PV array 4: OP 51

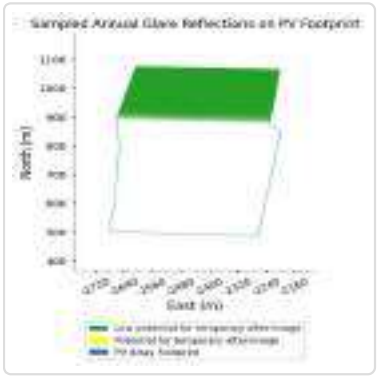
PV array is expected to produce the following glare for this receptor:

- 191 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





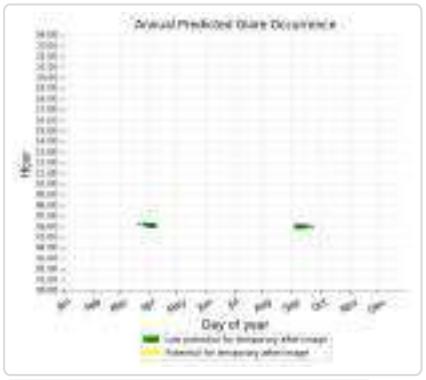


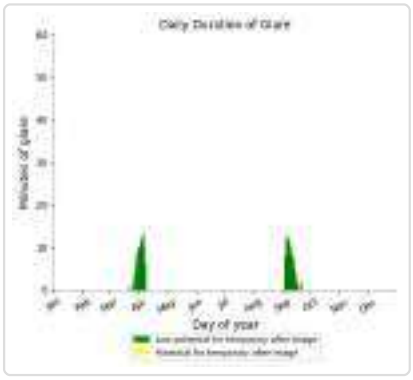


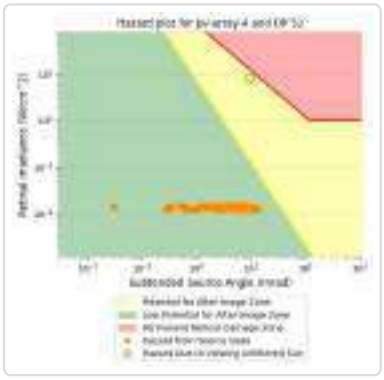
PV array 4: OP 52

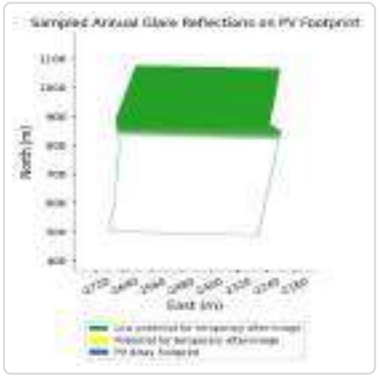
PV array is expected to produce the following glare for this receptor:

- 233 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





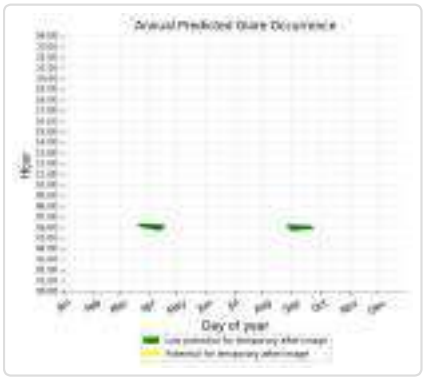


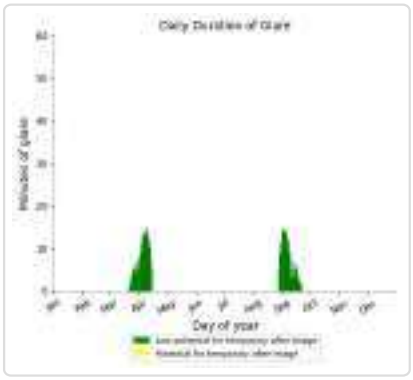


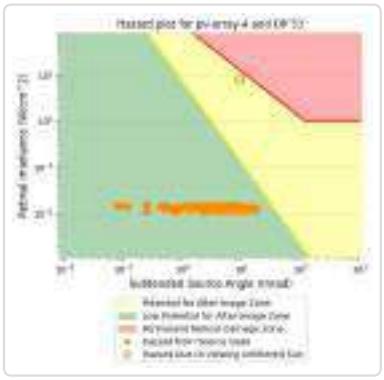
PV array 4: OP 53

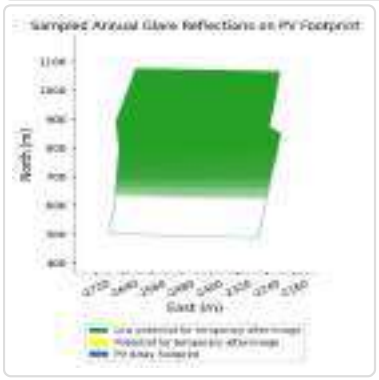
PV array is expected to produce the following glare for this receptor:

- 410 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





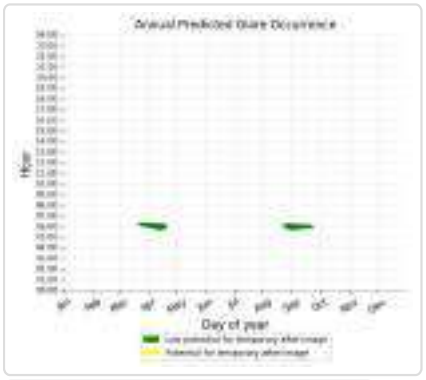


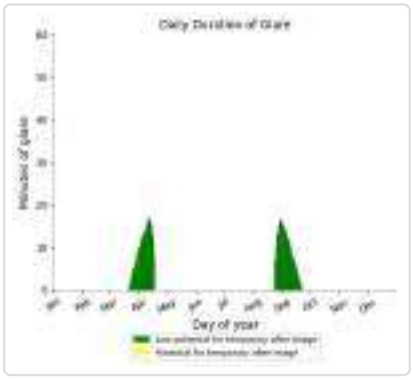


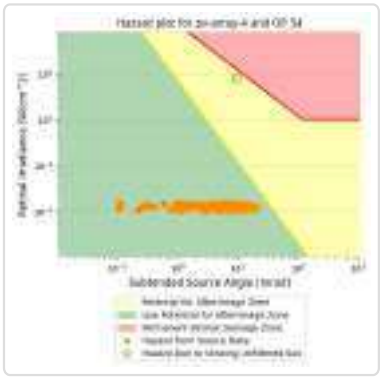
PV array 4: OP 54

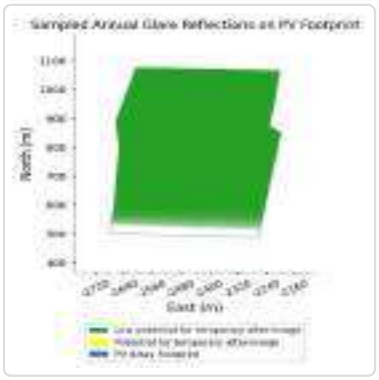
PV array is expected to produce the following glare for this receptor:

- 585 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





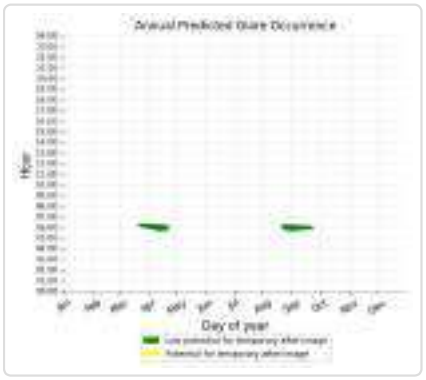


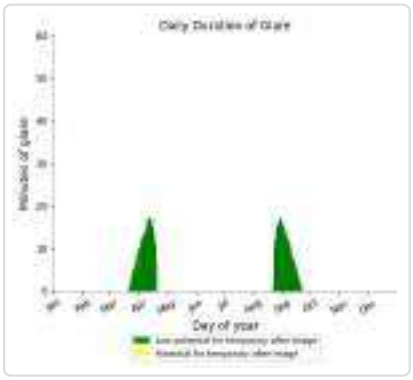


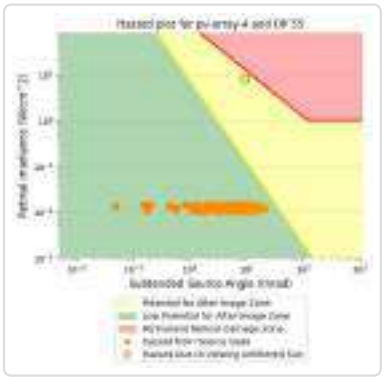
PV array 4: OP 55

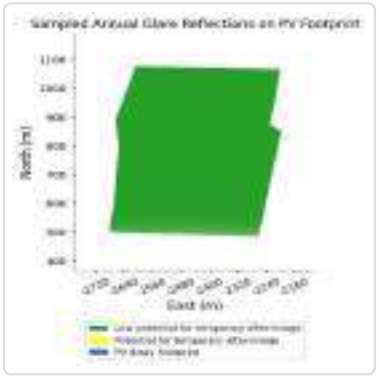
PV array is expected to produce the following glare for this receptor:

- 643 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





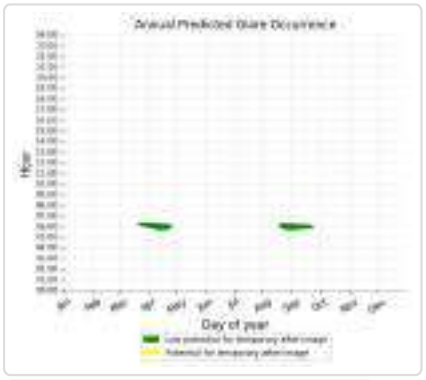


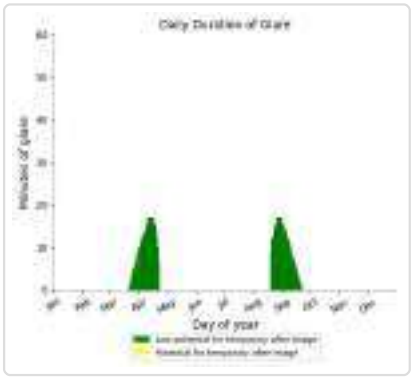


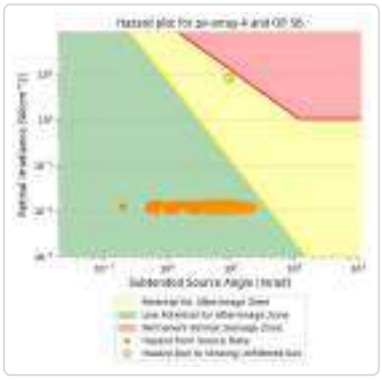
PV array 4: OP 56

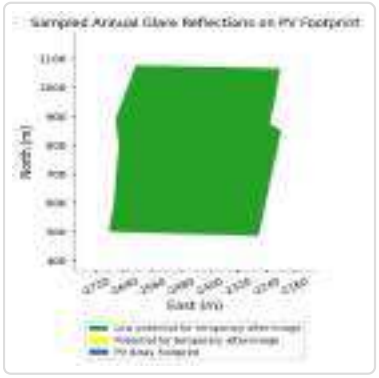
PV array is expected to produce the following glare for this receptor:

- 737 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





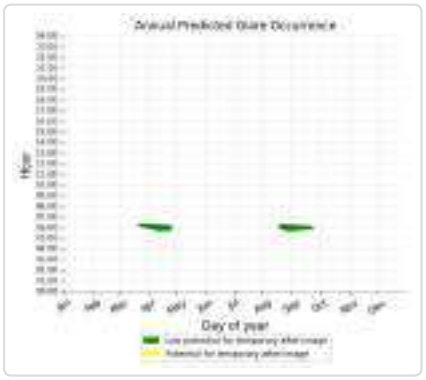


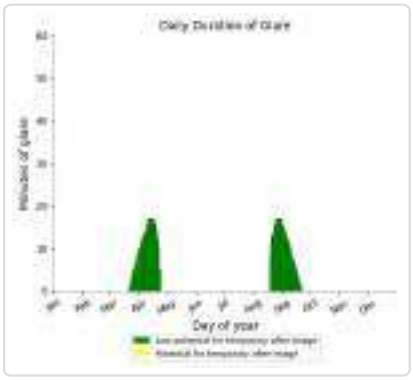


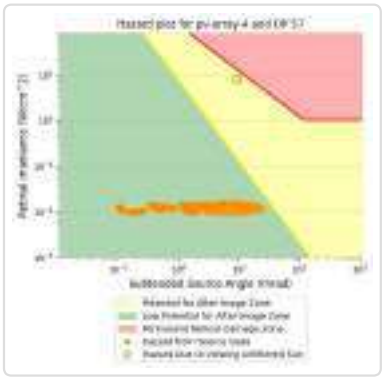
PV array 4: OP 57

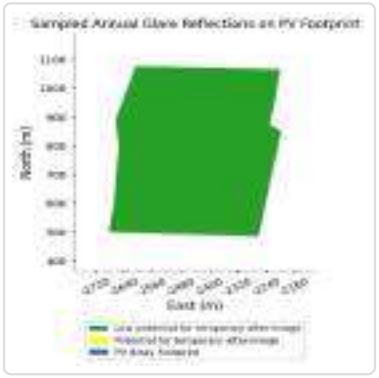
PV array is expected to produce the following glare for this receptor:

- 767 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





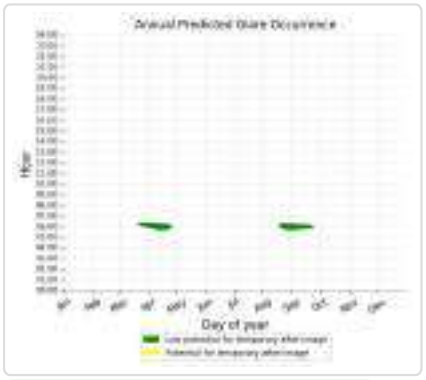


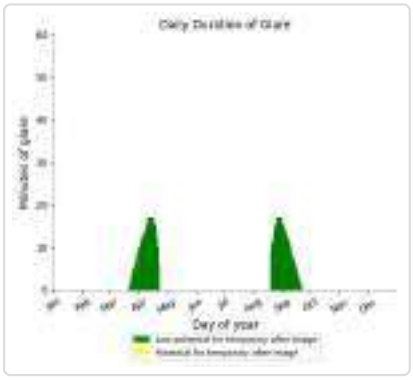


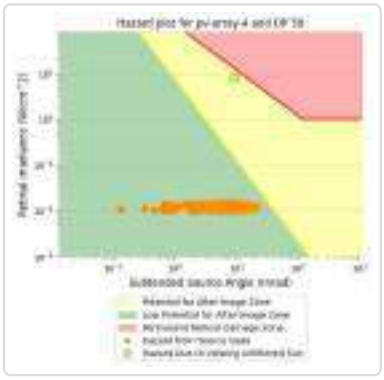
PV array 4: OP 58

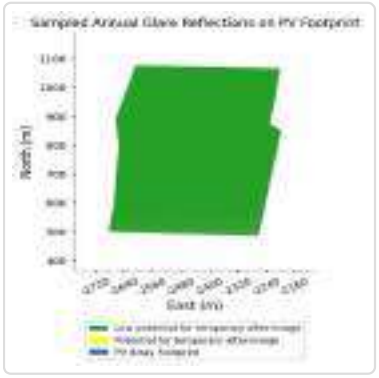
PV array is expected to produce the following glare for this receptor:

- 735 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





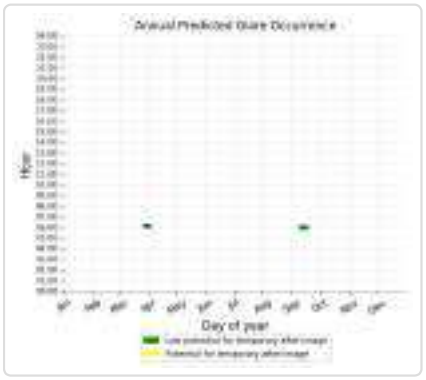


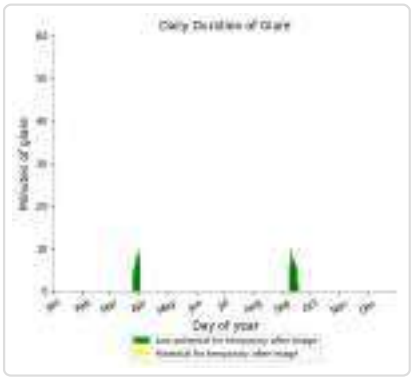


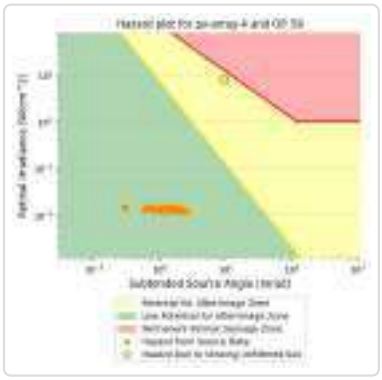
PV array 4: OP 59

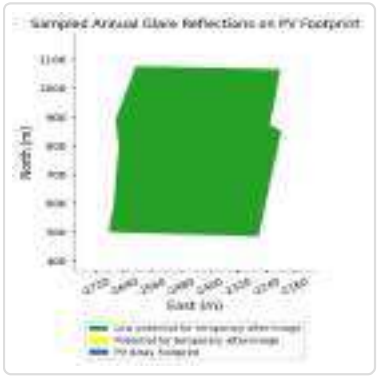
PV array is expected to produce the following glare for this receptor:

- 117 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





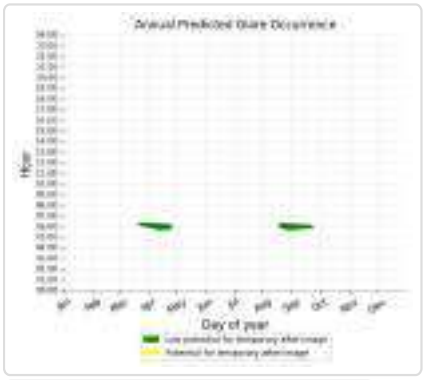


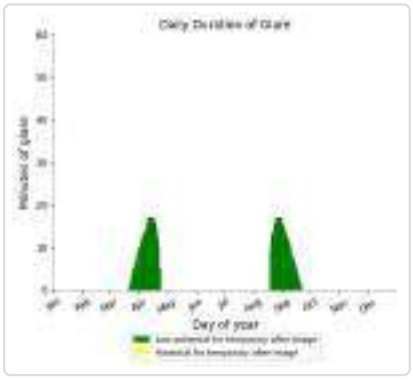


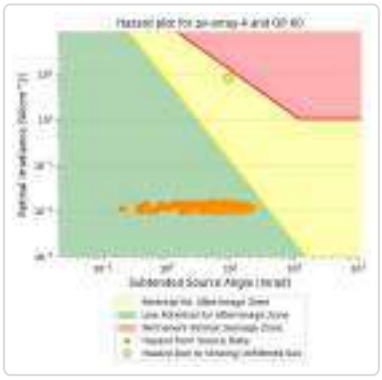
PV array 4: OP 60

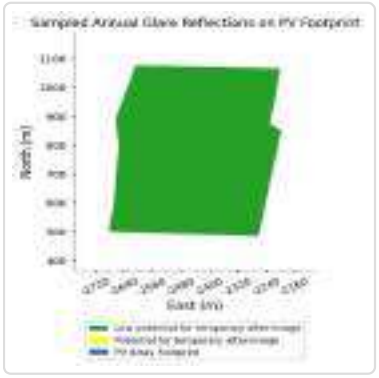
PV array is expected to produce the following glare for this receptor:

- 768 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





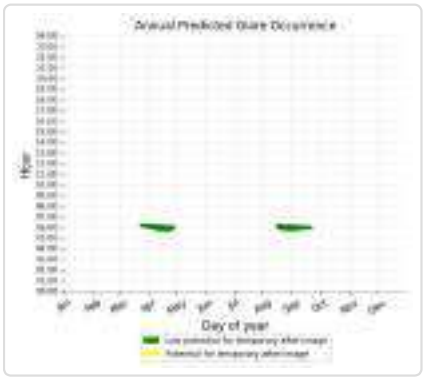


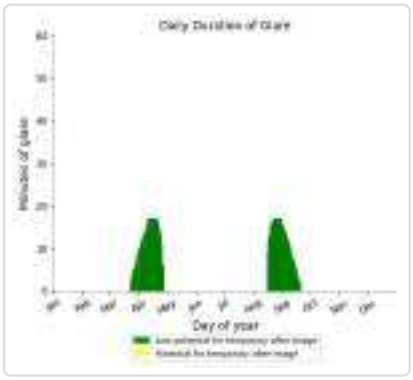


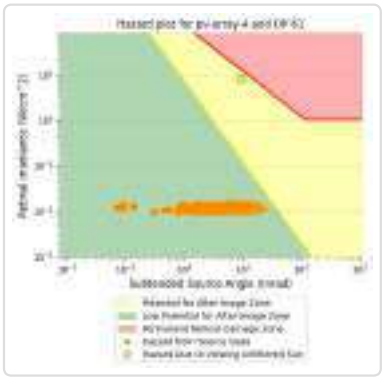
PV array 4: OP 61

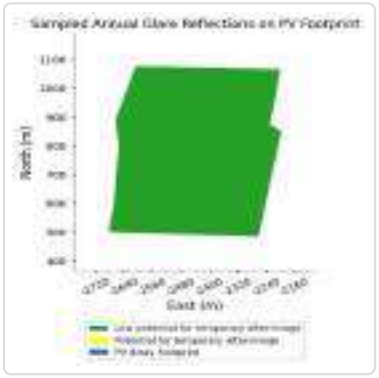
PV array is expected to produce the following glare for this receptor:

- 875 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





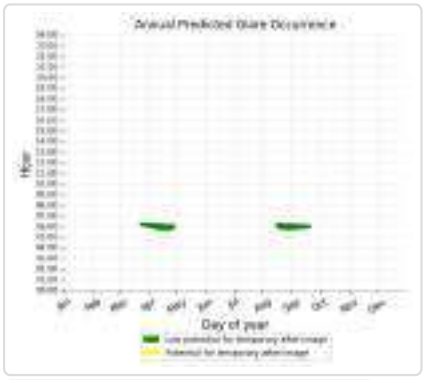


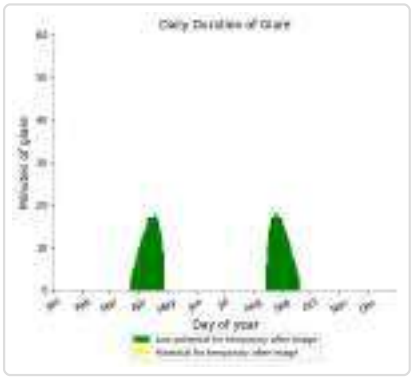


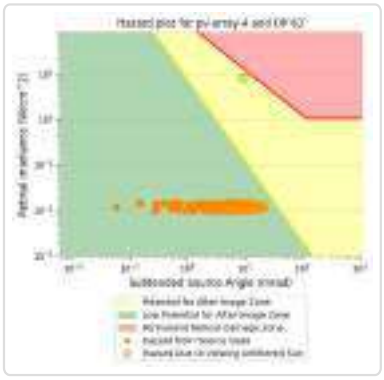
PV array 4: OP 62

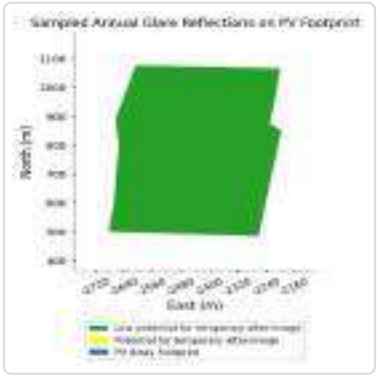
PV array is expected to produce the following glare for this receptor:

- 891 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





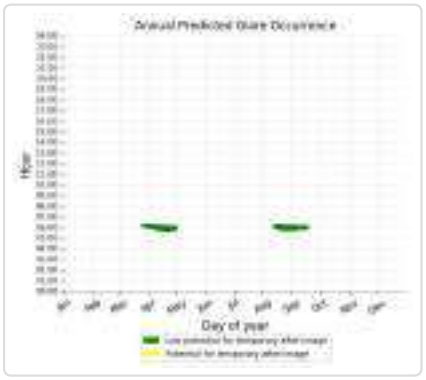


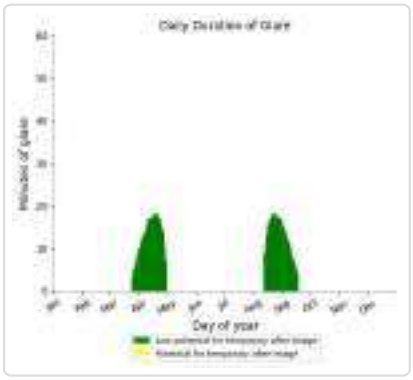


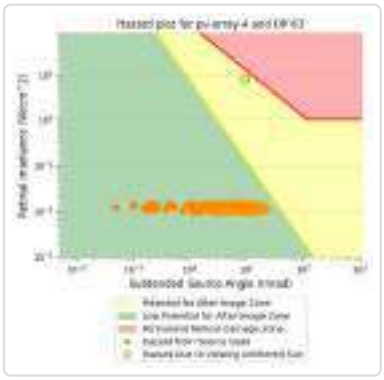
PV array 4: OP 63

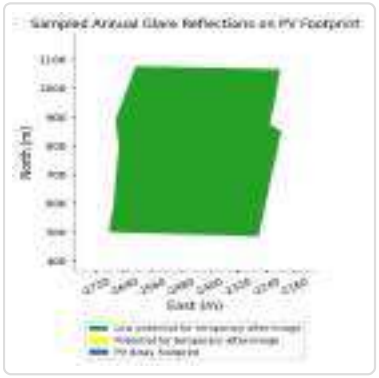
PV array is expected to produce the following glare for this receptor:

- 975 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





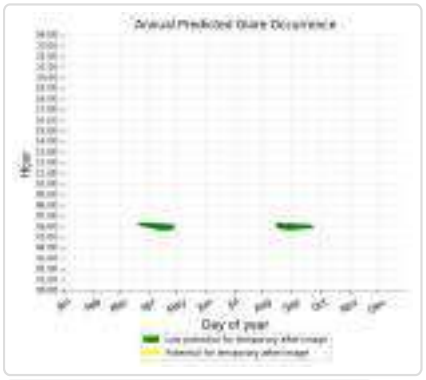


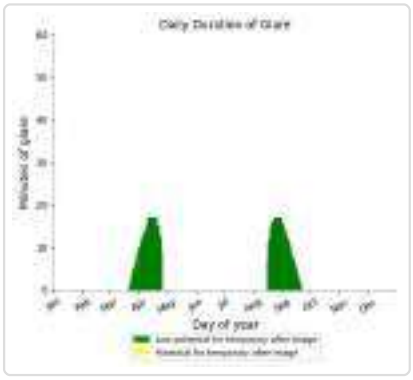


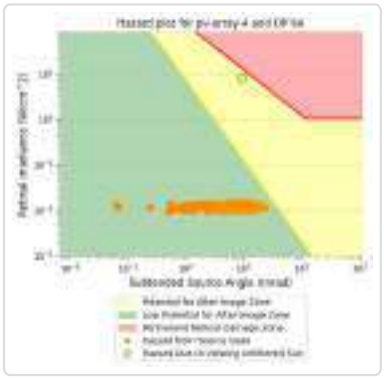
PV array 4: OP 64

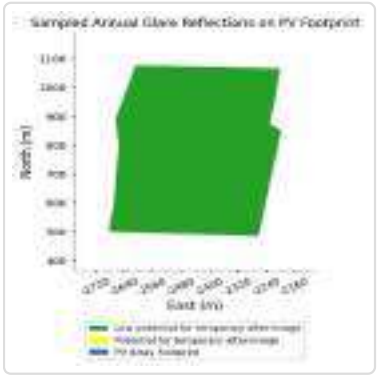
PV array is expected to produce the following glare for this receptor:

- 858 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





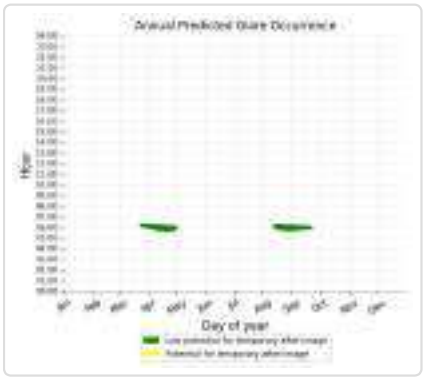


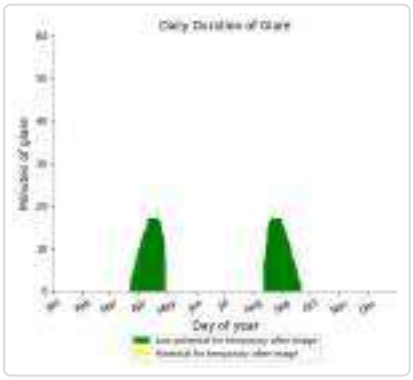


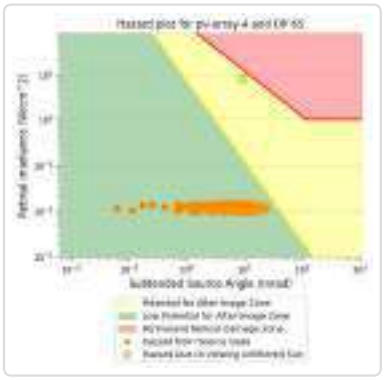
PV array 4: OP 65

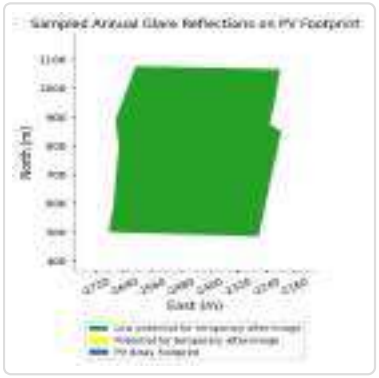
PV array is expected to produce the following glare for this receptor:

- 952 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0

OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	280	0
OP: OP 45	324	0
OP: OP 46	353	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	17	0
OP: OP 58	0	0
OP: OP 59	71	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	629	0
OP: OP 65	1000	0

PV array 5: OP 1

No glare found

PV array 5: OP 2
No glare found

PV array 5: OP 3
No glare found

PV array 5: OP 4
No glare found

PV array 5: OP 5
No glare found

PV array 5: OP 6
No glare found

PV array 5: OP 7
No glare found

PV array 5: OP 8
No glare found

PV array 5: OP 9
No glare found

PV array 5: OP 10
No glare found

PV array 5: OP 11
No glare found

PV array 5: OP 12
No glare found

PV array 5: OP 13
No glare found

PV array 5: OP 14
No glare found

PV array 5: OP 15
No glare found

PV array 5: OP 16
No glare found

PV array 5: OP 17
No glare found

PV array 5: OP 18
No glare found

PV array 5: OP 19
No glare found

PV array 5: OP 20
No glare found

PV array 5: OP 21
No glare found

PV array 5: OP 22
No glare found

PV array 5: OP 23
No glare found

PV array 5: OP 24
No glare found

PV array 5: OP 25
No glare found

PV array 5: OP 26
No glare found

PV array 5: OP 27
No glare found

PV array 5: OP 28
No glare found

PV array 5: OP 29
No glare found

PV array 5: OP 30
No glare found

PV array 5: OP 31
No glare found

PV array 5: OP 32
No glare found

PV array 5: OP 33
No glare found

PV array 5: OP 34
No glare found

PV array 5: OP 35
No glare found

PV array 5: OP 36
No glare found

PV array 5: OP 37
No glare found

PV array 5: OP 38
No glare found

PV array 5: OP 39
No glare found

PV array 5: OP 40
No glare found

PV array 5: OP 41
No glare found

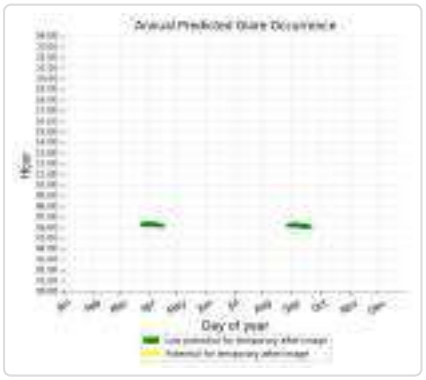
PV array 5: OP 42
No glare found

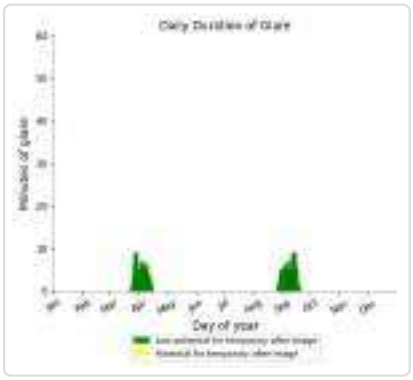
PV array 5: OP 43
No glare found

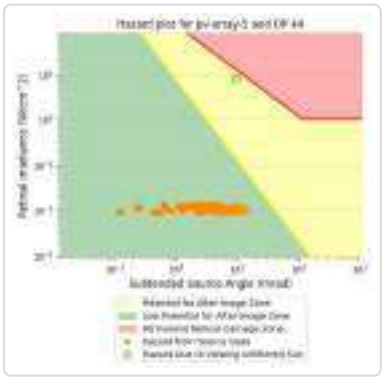
PV array 5: OP 44

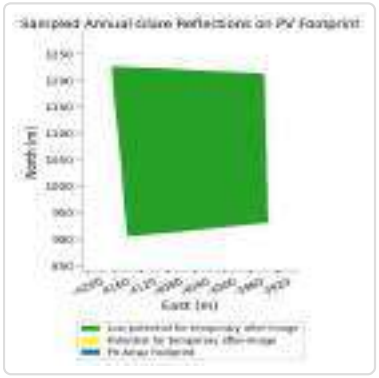
PV array is expected to produce the following glare for this receptor:

- 280 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





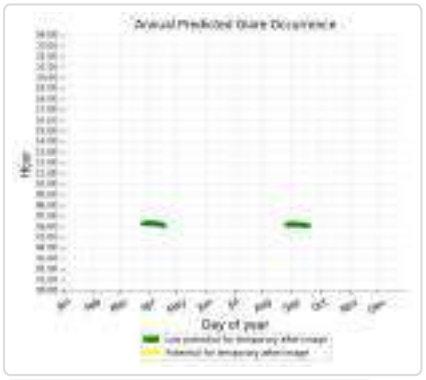


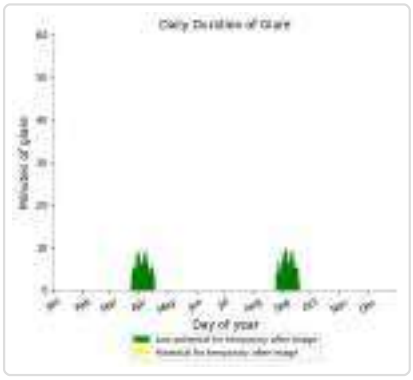


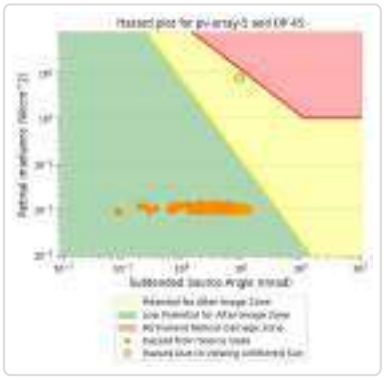
PV array 5: OP 45

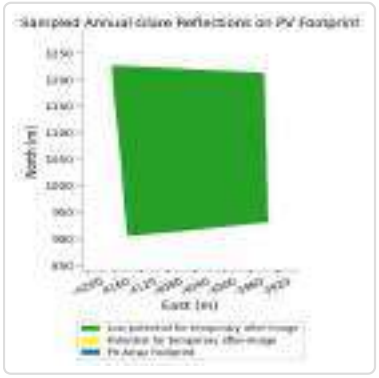
PV array is expected to produce the following glare for this receptor:

- 324 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





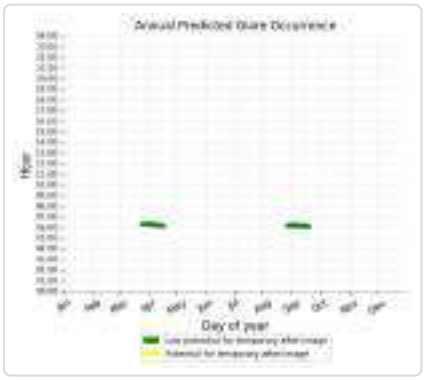


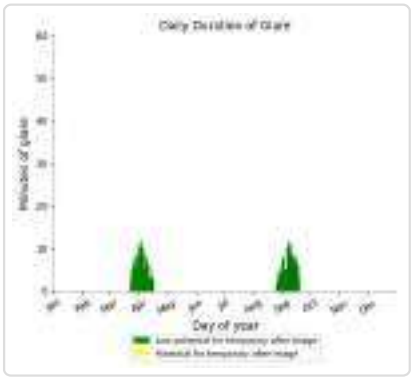


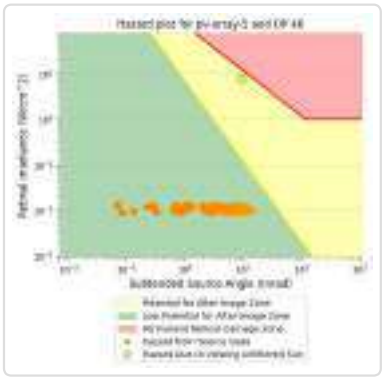
PV array 5: OP 46

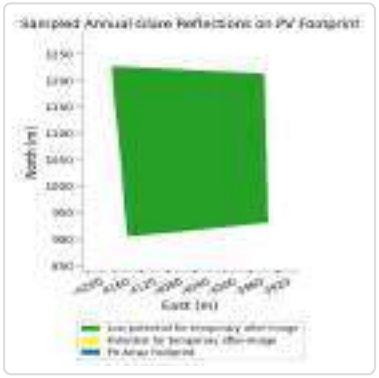
PV array is expected to produce the following glare for this receptor:

- 353 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5: OP 47

No glare found

PV array 5: OP 48

No glare found

PV array 5: OP 49

No glare found

PV array 5: OP 50

No glare found

PV array 5: OP 51

No glare found

PV array 5: OP 52

No glare found

PV array 5: OP 53

No glare found

PV array 5: OP 54

No glare found

PV array 5: OP 55

No glare found

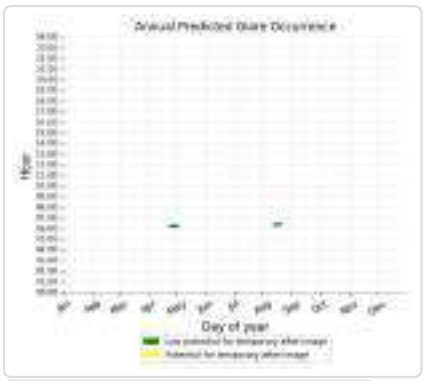
PV array 5: OP 56

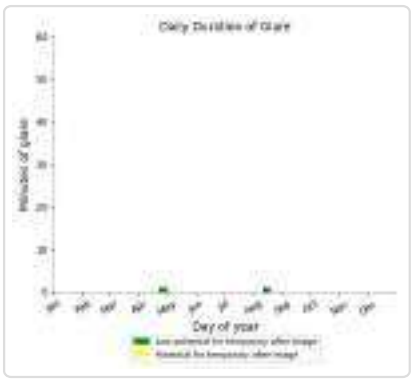
No glare found

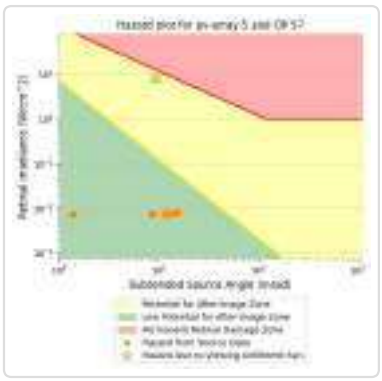
PV array 5: OP 57

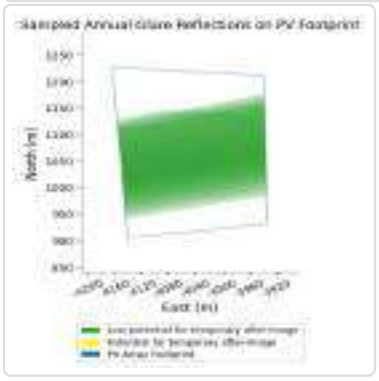
PV array is expected to produce the following glare for this receptor:

- 17 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









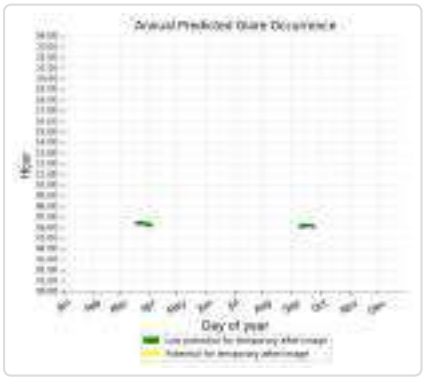
PV array 5: OP 58

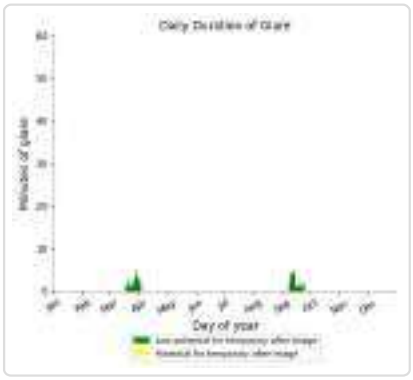
No glare found

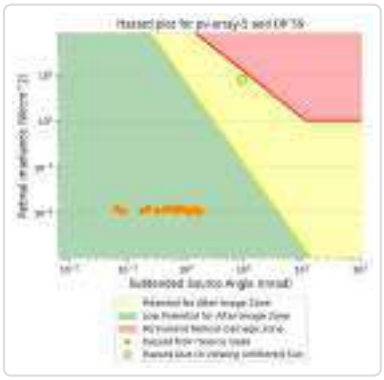
PV array 5: OP 59

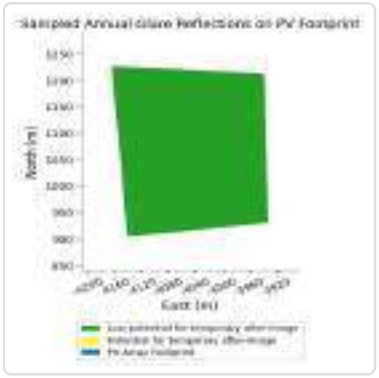
PV array is expected to produce the following glare for this receptor:

- 71 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5: OP 60

No glare found

PV array 5: OP 61

No glare found

PV array 5: OP 62

No glare found

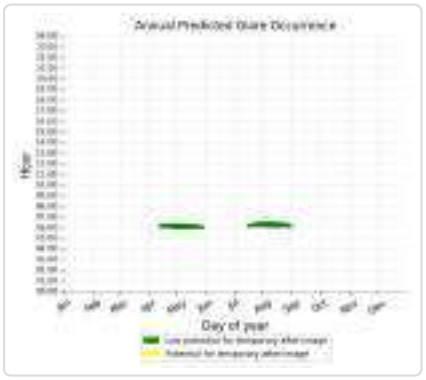
PV array 5: OP 63

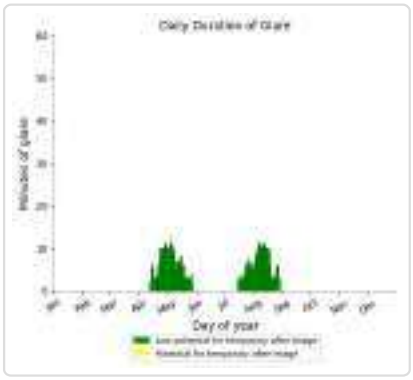
No glare found

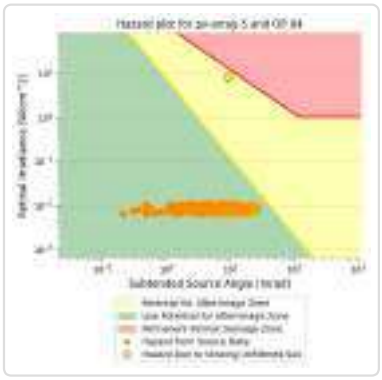
PV array 5: OP 64

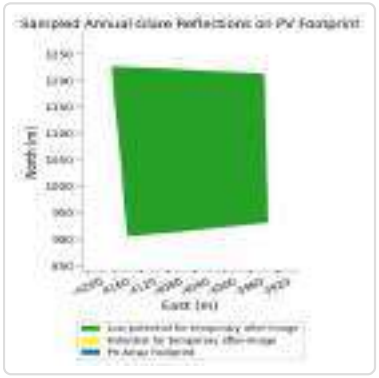
PV array is expected to produce the following glare for this receptor:

- 629 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





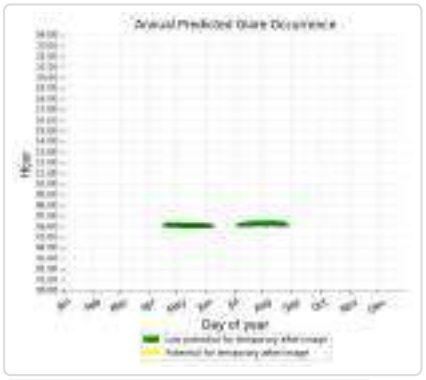


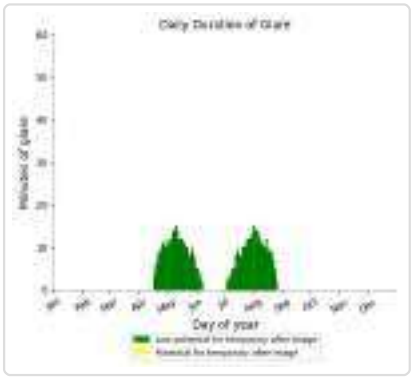


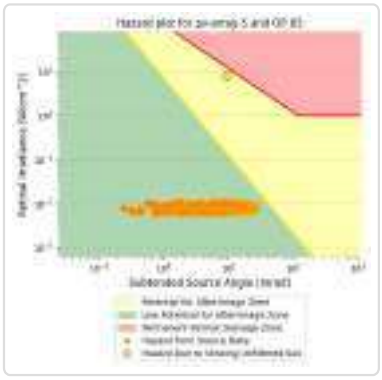
PV array 5: OP 65

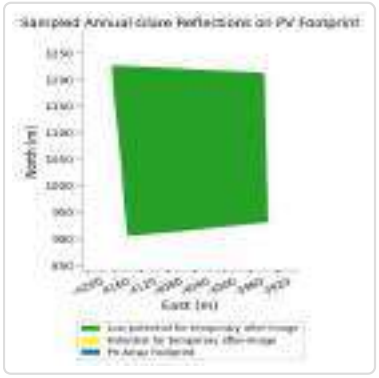
PV array is expected to produce the following glare for this receptor:

- 1,000 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	85	0
OP: OP 42	84	0
OP: OP 43	137	0
OP: OP 44	891	0
OP: OP 45	824	0
OP: OP 46	1004	0
OP: OP 47	0	0

OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	1143	21
OP: OP 51	1081	86
OP: OP 52	635	2
OP: OP 53	1274	27
OP: OP 54	1349	123
OP: OP 55	26	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	25	0
OP: OP 59	213	0
OP: OP 60	21	0
OP: OP 61	22	0
OP: OP 62	24	0
OP: OP 63	1168	0
OP: OP 64	0	0
OP: OP 65	1262	0

PV array 6: OP 1

No glare found

PV array 6: OP 2

No glare found

PV array 6: OP 3

No glare found

PV array 6: OP 4

No glare found

PV array 6: OP 5

No glare found

PV array 6: OP 6

No glare found

PV array 6: OP 7

No glare found

PV array 6: OP 8

No glare found

PV array 6: OP 9

No glare found

PV array 6: OP 10
No glare found

PV array 6: OP 11
No glare found

PV array 6: OP 12
No glare found

PV array 6: OP 13
No glare found

PV array 6: OP 14
No glare found

PV array 6: OP 15
No glare found

PV array 6: OP 16
No glare found

PV array 6: OP 17
No glare found

PV array 6: OP 18
No glare found

PV array 6: OP 19
No glare found

PV array 6: OP 20
No glare found

PV array 6: OP 21
No glare found

PV array 6: OP 22
No glare found

PV array 6: OP 23
No glare found

PV array 6: OP 24
No glare found

PV array 6: OP 25
No glare found

PV array 6: OP 26
No glare found

PV array 6: OP 27
No glare found

PV array 6: OP 28
No glare found

PV array 6: OP 29
No glare found

PV array 6: OP 30
No glare found

PV array 6: OP 31
No glare found

PV array 6: OP 32
No glare found

PV array 6: OP 33
No glare found

PV array 6: OP 34
No glare found

PV array 6: OP 35
No glare found

PV array 6: OP 36
No glare found

PV array 6: OP 37
No glare found

PV array 6: OP 38
No glare found

PV array 6: OP 39
No glare found

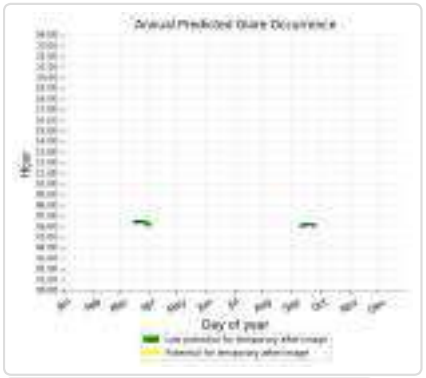
PV array 6: OP 40

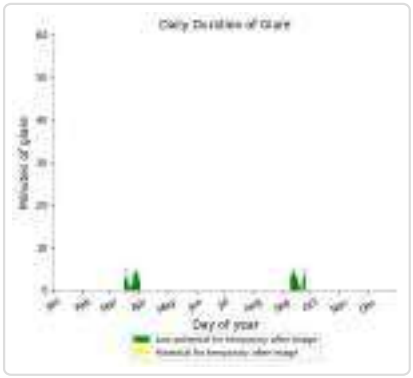
No glare found

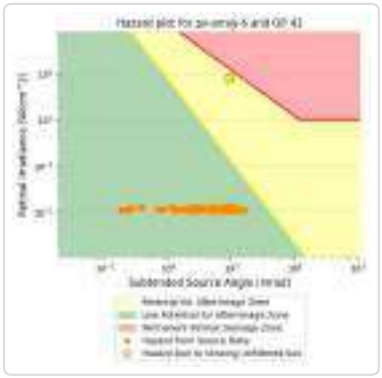
PV array 6: OP 41

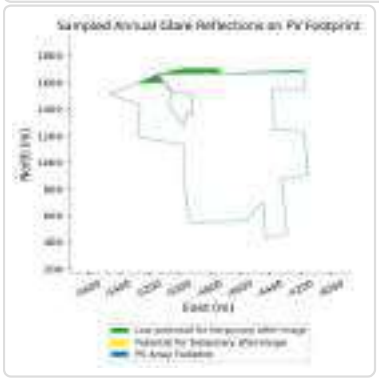
PV array is expected to produce the following glare for this receptor:

- 85 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





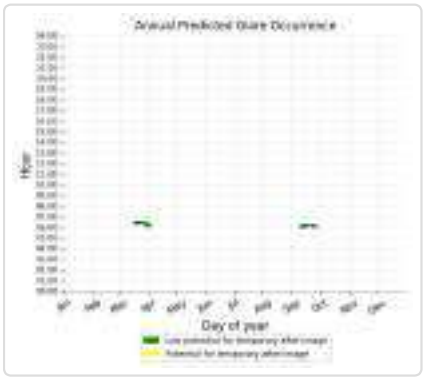


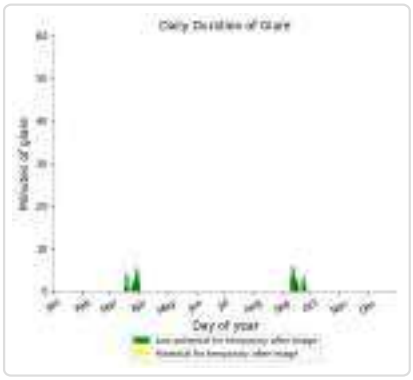


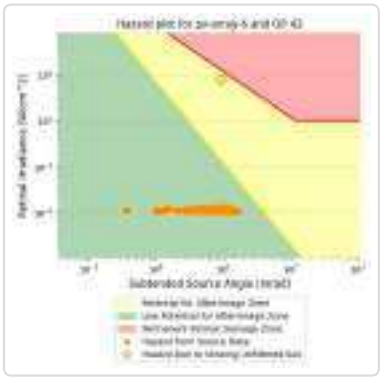
PV array 6: OP 42

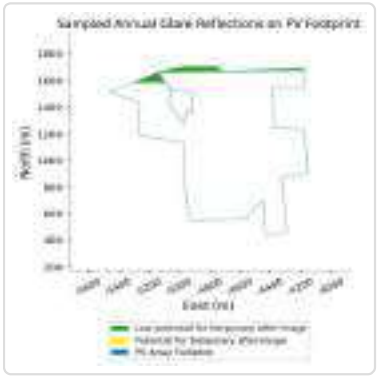
PV array is expected to produce the following glare for this receptor:

- 84 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





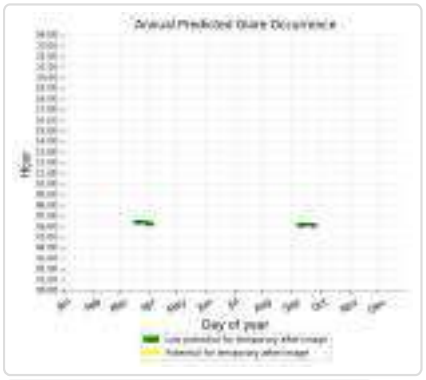


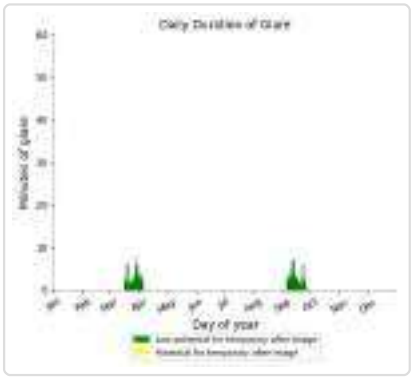


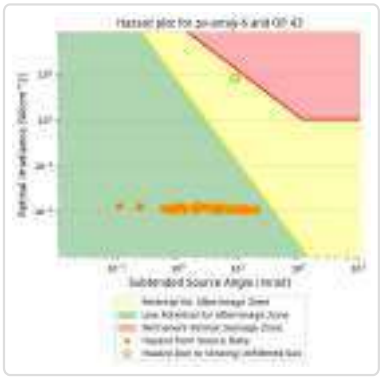
PV array 6: OP 43

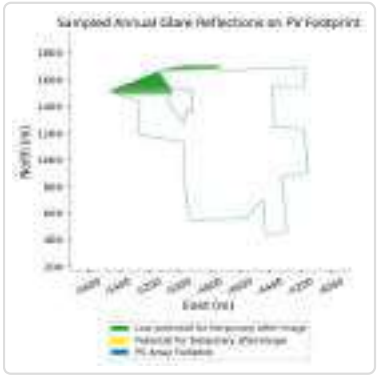
PV array is expected to produce the following glare for this receptor:

- 137 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





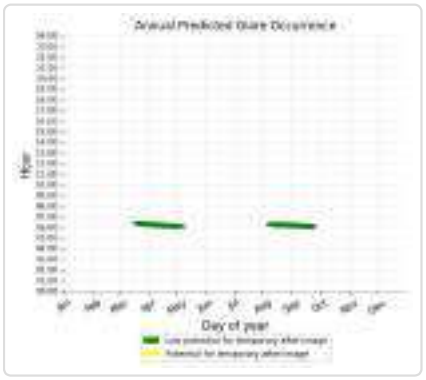


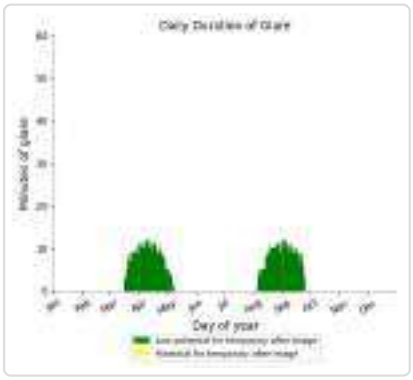


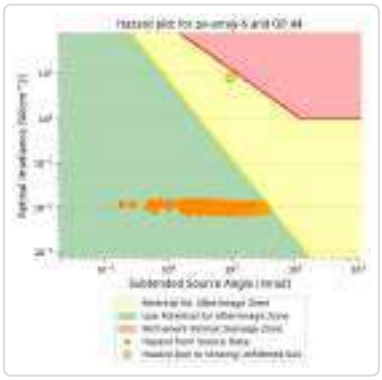
PV array 6: OP 44

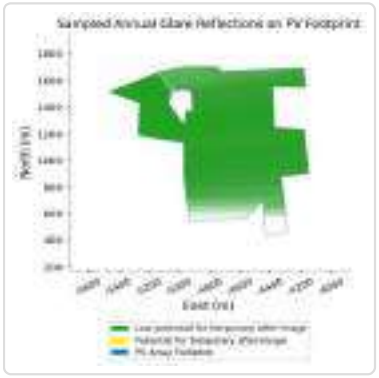
PV array is expected to produce the following glare for this receptor:

- 891 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





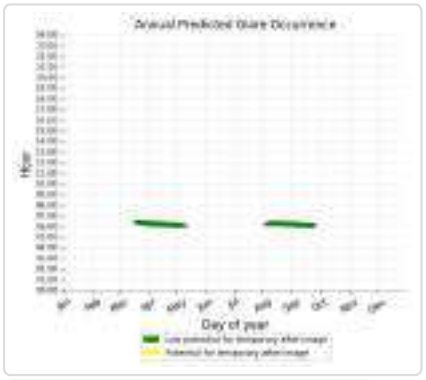


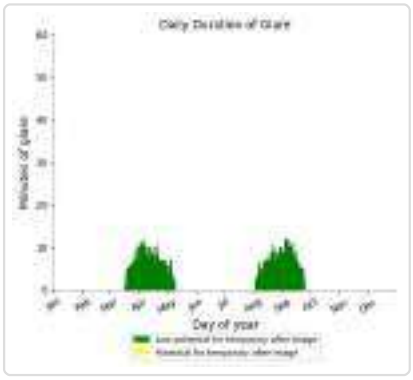


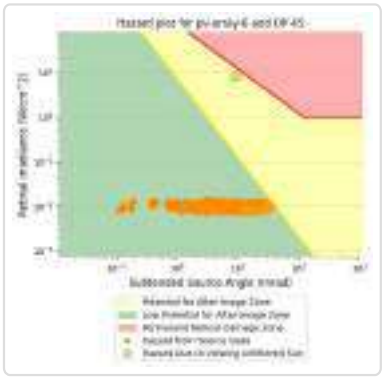
PV array 6: OP 45

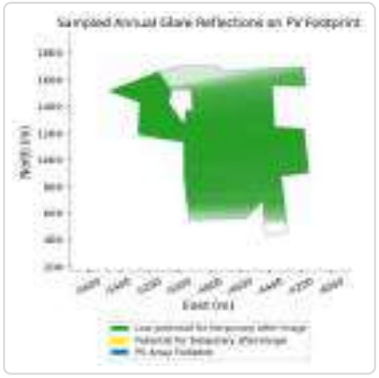
PV array is expected to produce the following glare for this receptor:

- 824 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





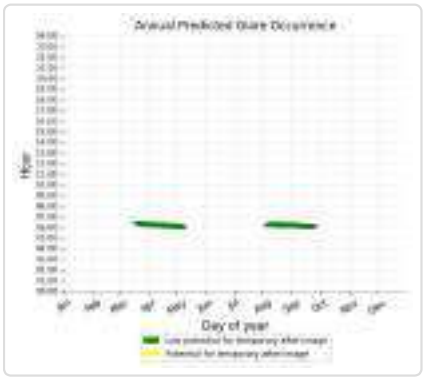


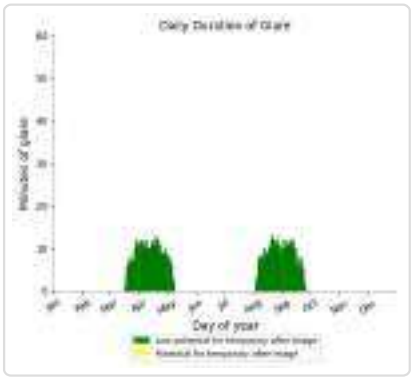


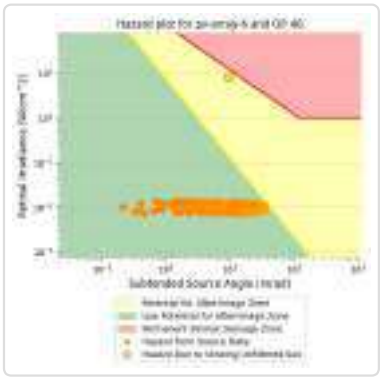
PV array 6: OP 46

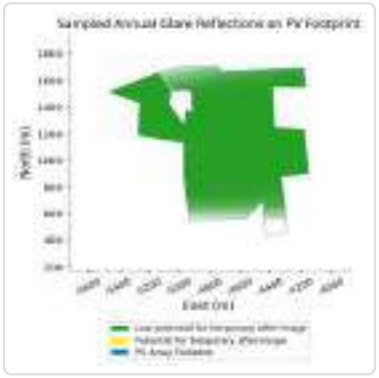
PV array is expected to produce the following glare for this receptor:

- 1,004 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6: OP 47

No glare found

PV array 6: OP 48

No glare found

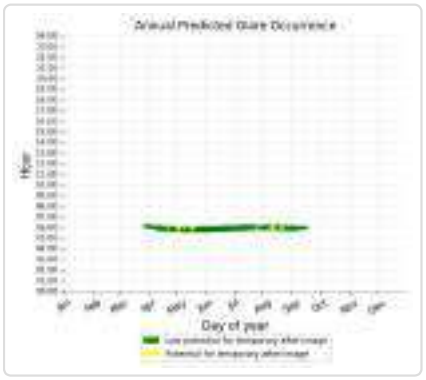
PV array 6: OP 49

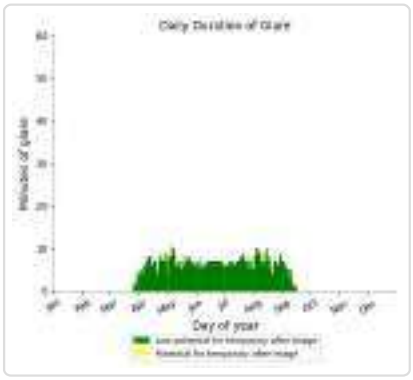
No glare found

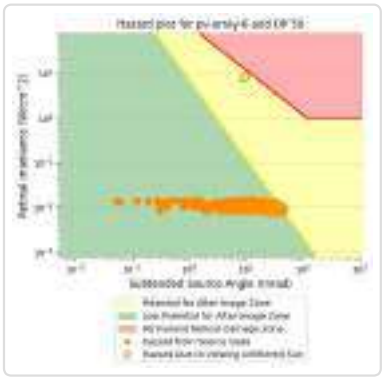
PV array 6: OP 50

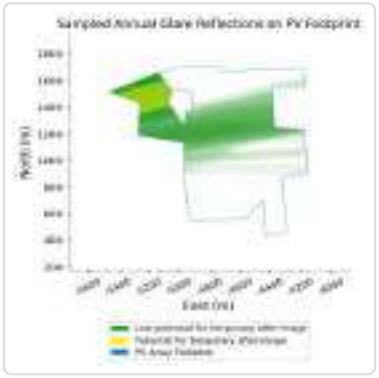
PV array is expected to produce the following glare for this receptor:

- 1,143 minutes of "green" glare with low potential to cause temporary after-image.
- 21 minutes of "yellow" glare with potential to cause temporary after-image.





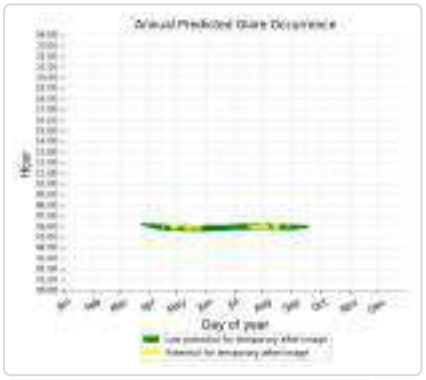


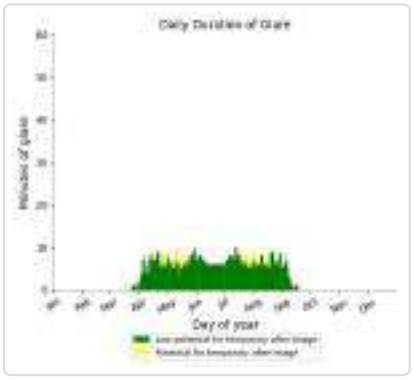


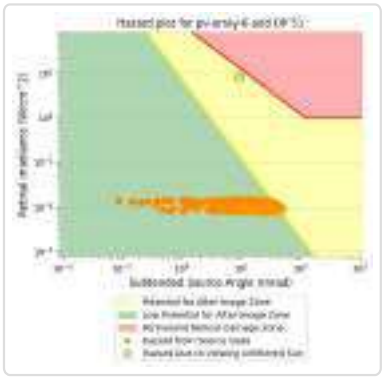
PV array 6: OP 51

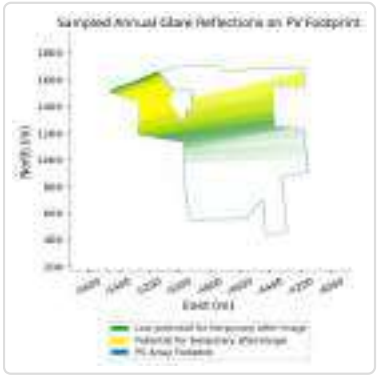
PV array is expected to produce the following glare for this receptor:

- 1,081 minutes of "green" glare with low potential to cause temporary after-image.
- 86 minutes of "yellow" glare with potential to cause temporary after-image.





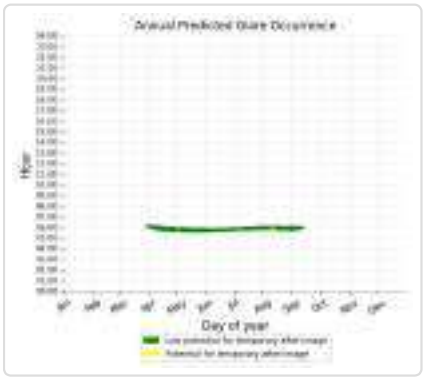


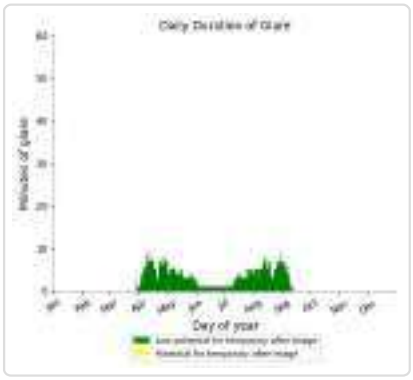


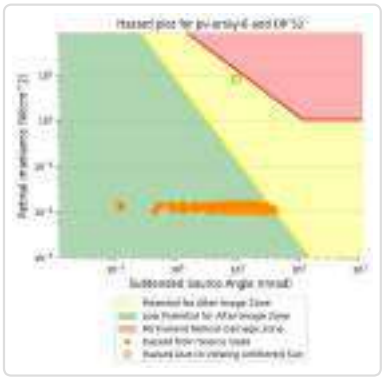
PV array 6: OP 52

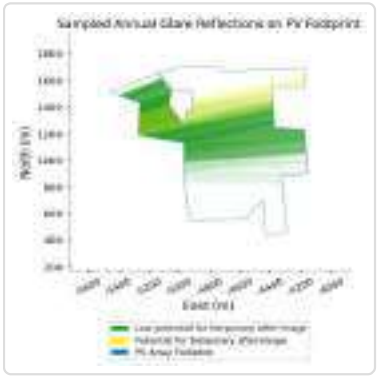
PV array is expected to produce the following glare for this receptor:

- 635 minutes of "green" glare with low potential to cause temporary after-image.
- 2 minutes of "yellow" glare with potential to cause temporary after-image.





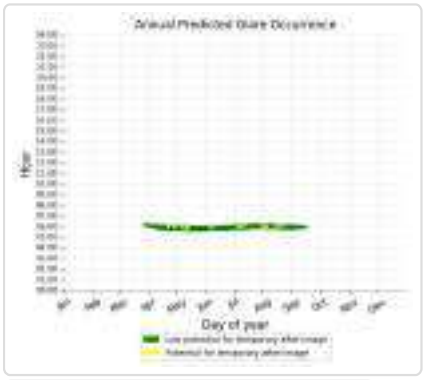


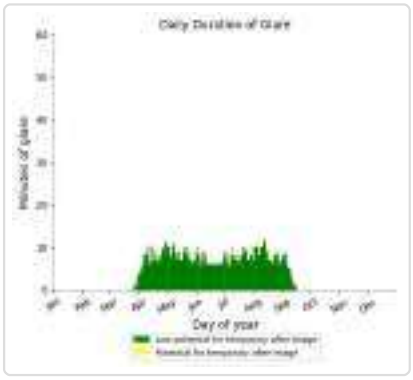


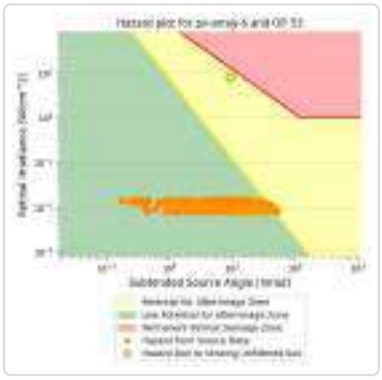
PV array 6: OP 53

PV array is expected to produce the following glare for this receptor:

- 1,274 minutes of "green" glare with low potential to cause temporary after-image.
- 27 minutes of "yellow" glare with potential to cause temporary after-image.



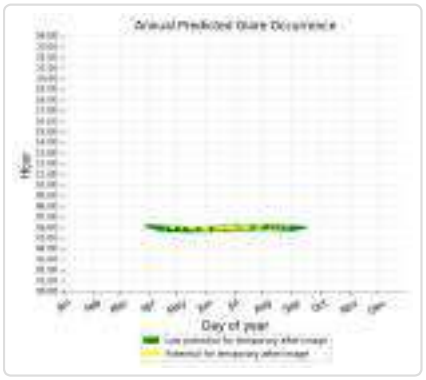


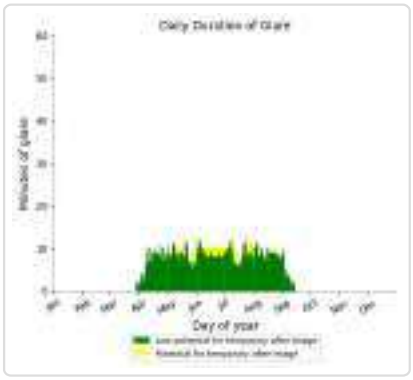


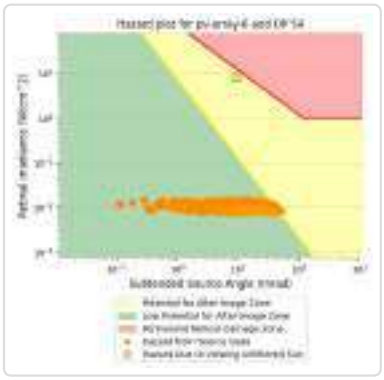
PV array 6: OP 54

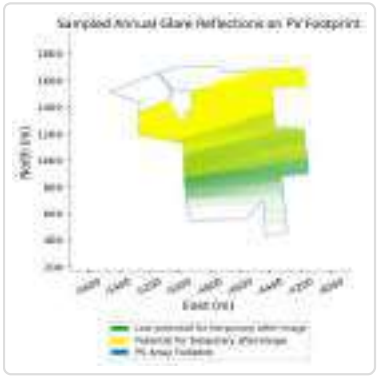
PV array is expected to produce the following glare for this receptor:

- 1,349 minutes of "green" glare with low potential to cause temporary after-image.
- 123 minutes of "yellow" glare with potential to cause temporary after-image.





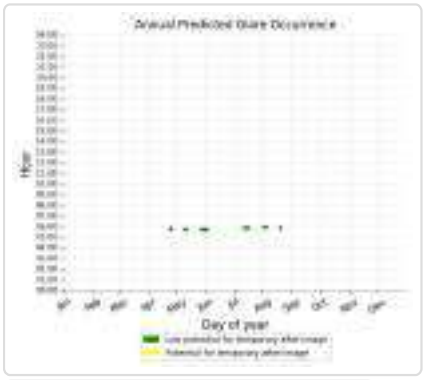


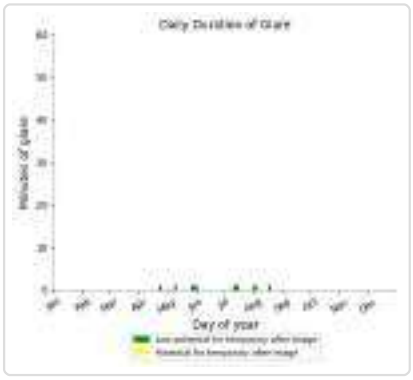


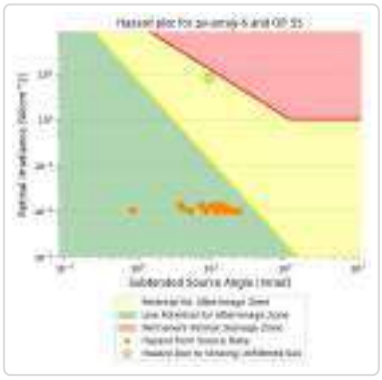
PV array 6: OP 55

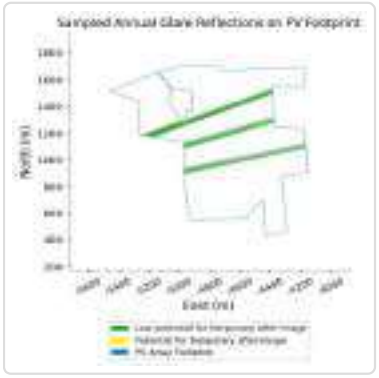
PV array is expected to produce the following glare for this receptor:

- 26 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6: OP 56

No glare found

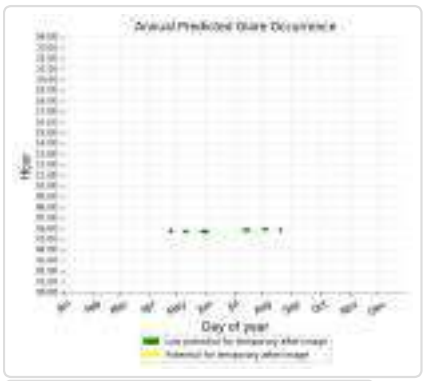
PV array 6: OP 57

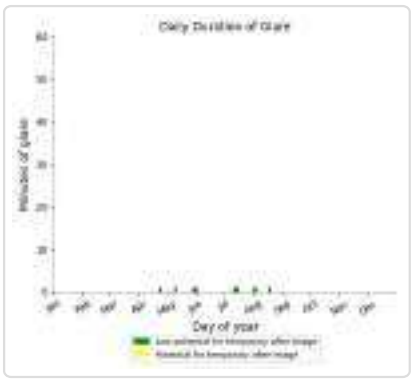
No glare found

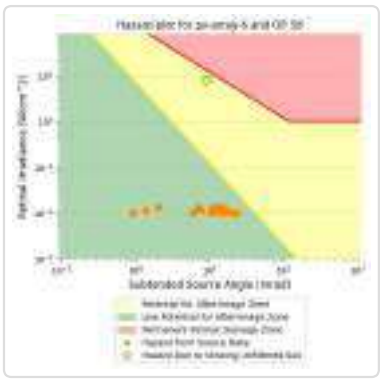
PV array 6: OP 58

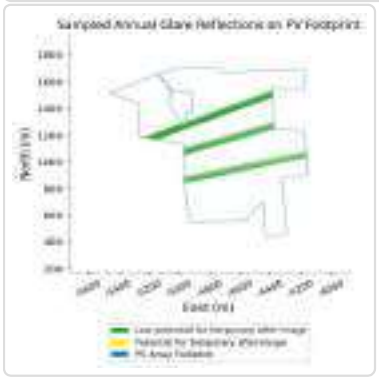
PV array is expected to produce the following glare for this receptor:

- 25 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





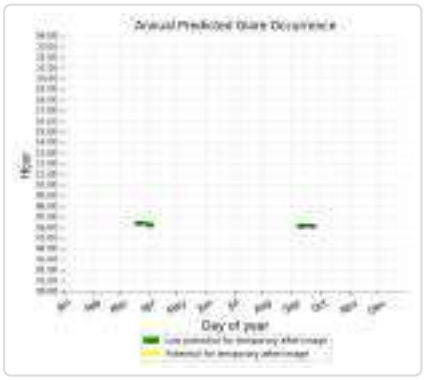


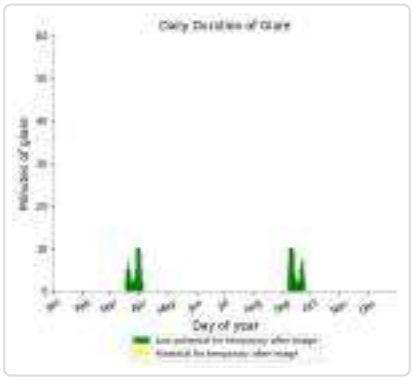


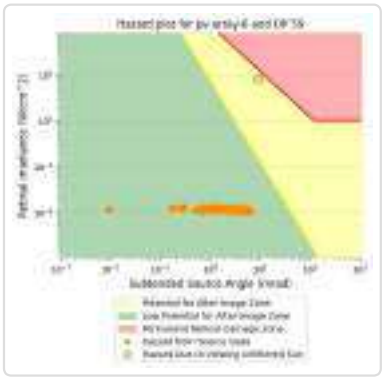
PV array 6: OP 59

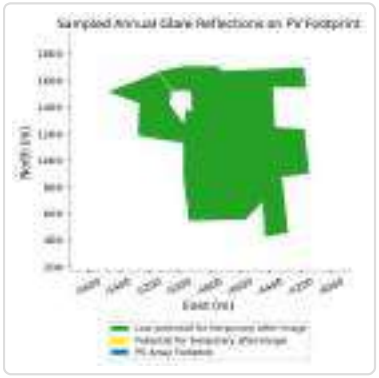
PV array is expected to produce the following glare for this receptor:

- 213 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





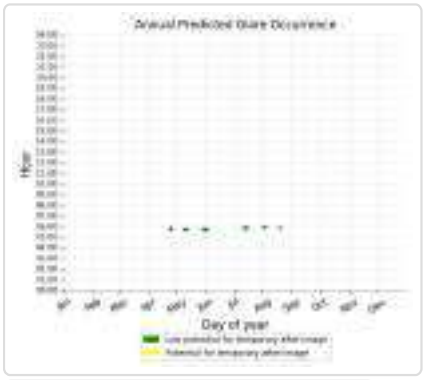


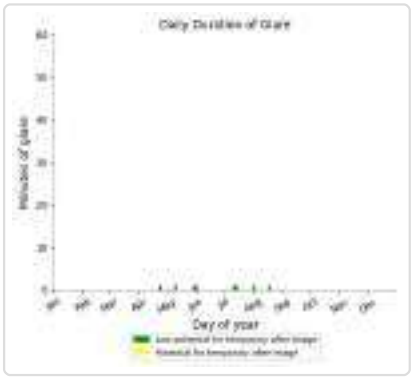


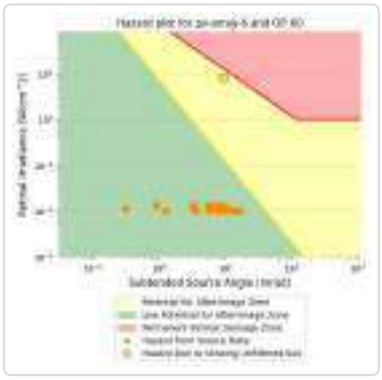
PV array 6: OP 60

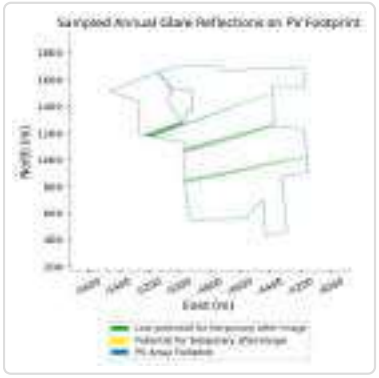
PV array is expected to produce the following glare for this receptor:

- 21 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





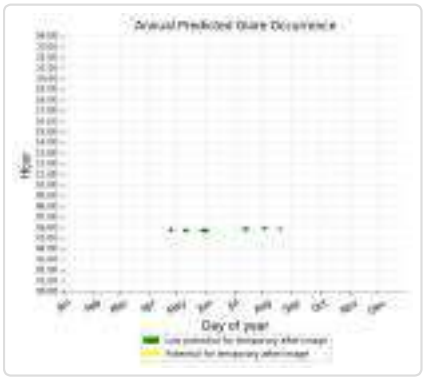


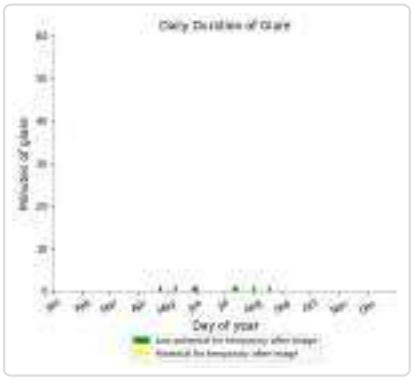


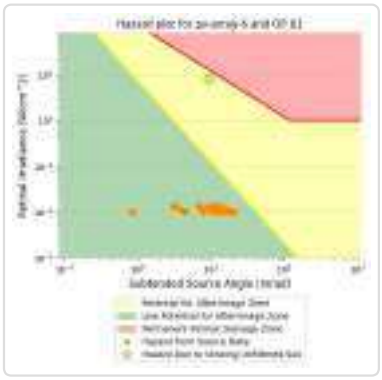
PV array 6: OP 61

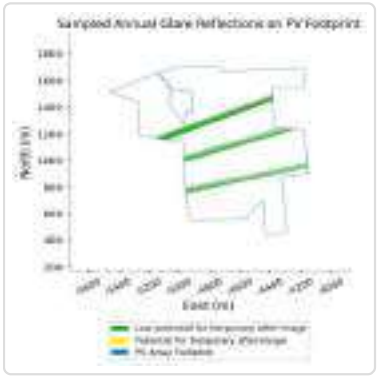
PV array is expected to produce the following glare for this receptor:

- 22 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





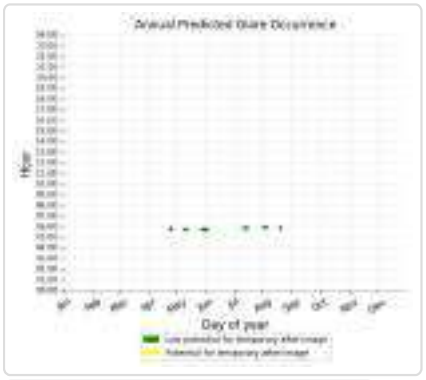


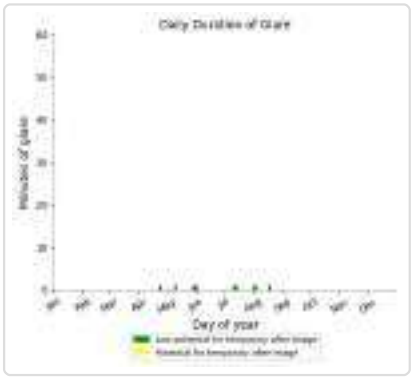


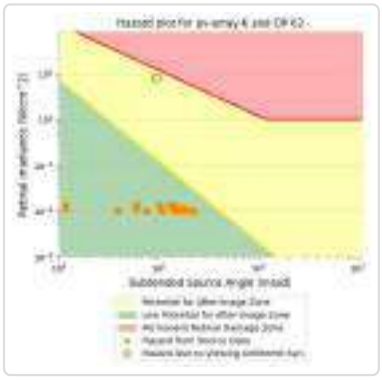
PV array 6: OP 62

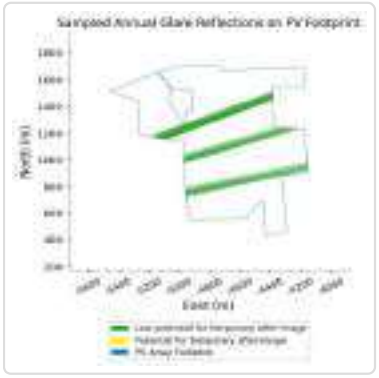
PV array is expected to produce the following glare for this receptor:

- 24 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





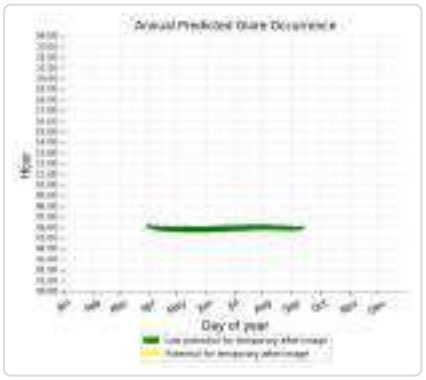


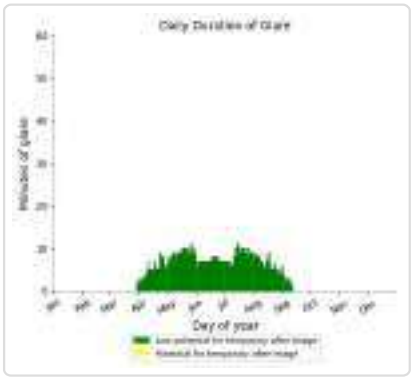


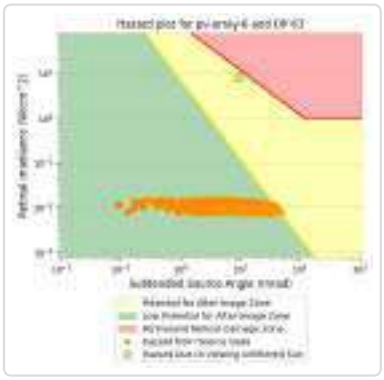
PV array 6: OP 63

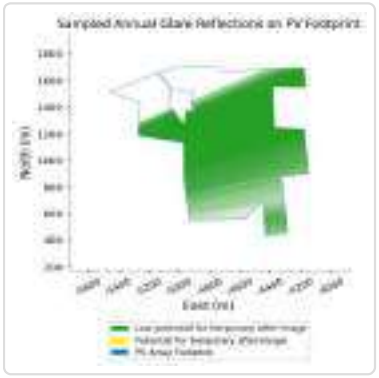
PV array is expected to produce the following glare for this receptor:

- 1,168 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









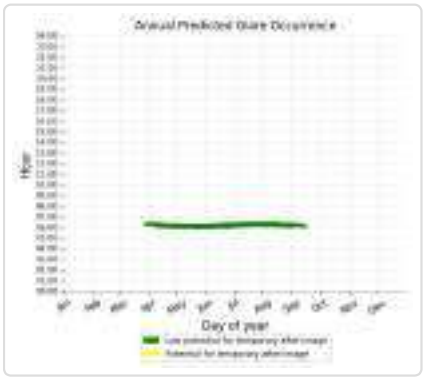
PV array 6: OP 64

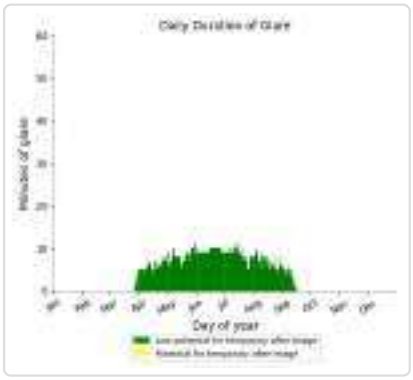
No glare found

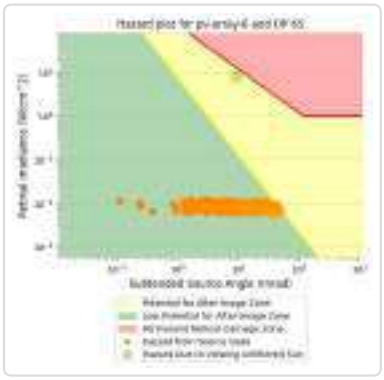
PV array 6: OP 65

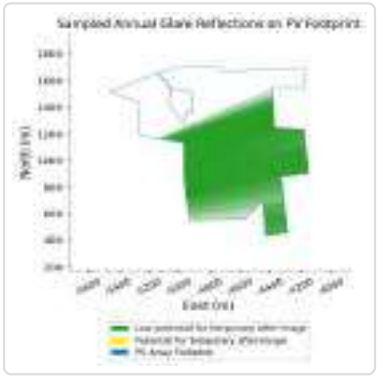
PV array is expected to produce the following glare for this receptor:

- 1,262 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 7 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0

OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	188	0
OP: OP 42	214	0
OP: OP 43	330	0
OP: OP 44	1581	0
OP: OP 45	1530	0
OP: OP 46	1711	0
OP: OP 47	1022	2858
OP: OP 48	1005	2816
OP: OP 49	1056	2898
OP: OP 50	1455	1721
OP: OP 51	883	2555
OP: OP 52	913	2505
OP: OP 53	0	0
OP: OP 54	1382	1014
OP: OP 55	1126	905
OP: OP 56	1255	582
OP: OP 57	1151	322
OP: OP 58	1086	1216
OP: OP 59	209	0
OP: OP 60	1185	871
OP: OP 61	1224	914
OP: OP 62	1282	1016
OP: OP 63	1143	1051
OP: OP 64	759	64
OP: OP 65	1353	145

PV array 7: OP 1

No glare found

PV array 7: OP 2
No glare found

PV array 7: OP 3
No glare found

PV array 7: OP 4
No glare found

PV array 7: OP 5
No glare found

PV array 7: OP 6
No glare found

PV array 7: OP 7
No glare found

PV array 7: OP 8
No glare found

PV array 7: OP 9
No glare found

PV array 7: OP 10
No glare found

PV array 7: OP 11
No glare found

PV array 7: OP 12
No glare found

PV array 7: OP 13
No glare found

PV array 7: OP 14
No glare found

PV array 7: OP 15
No glare found

PV array 7: OP 16
No glare found

PV array 7: OP 17
No glare found

PV array 7: OP 18
No glare found

PV array 7: OP 19
No glare found

PV array 7: OP 20
No glare found

PV array 7: OP 21
No glare found

PV array 7: OP 22
No glare found

PV array 7: OP 23
No glare found

PV array 7: OP 24
No glare found

PV array 7: OP 25
No glare found

PV array 7: OP 26
No glare found

PV array 7: OP 27
No glare found

PV array 7: OP 28
No glare found

PV array 7: OP 29
No glare found

PV array 7: OP 30
No glare found

PV array 7: OP 31
No glare found

PV array 7: OP 32
No glare found

PV array 7: OP 33
No glare found

PV array 7: OP 34
No glare found

PV array 7: OP 35
No glare found

PV array 7: OP 36
No glare found

PV array 7: OP 37
No glare found

PV array 7: OP 38
No glare found

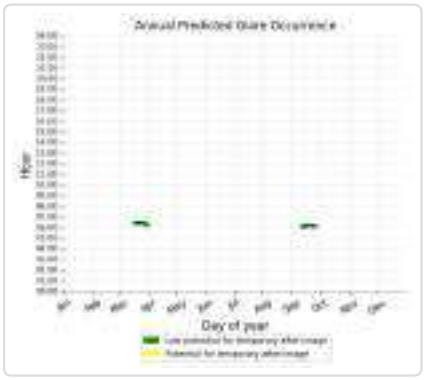
PV array 7: OP 39
No glare found

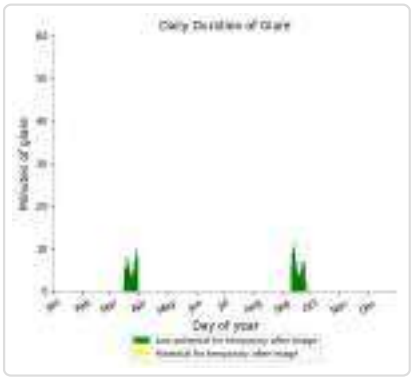
PV array 7: OP 40
No glare found

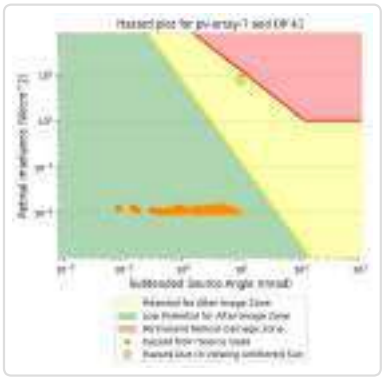
PV array 7: OP 41

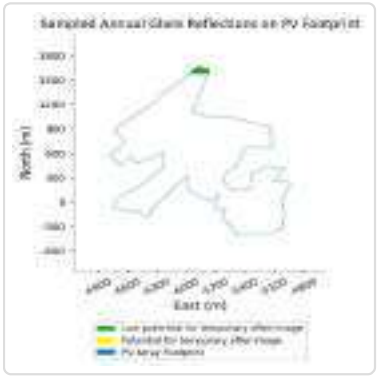
PV array is expected to produce the following glare for this receptor:

- 188 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





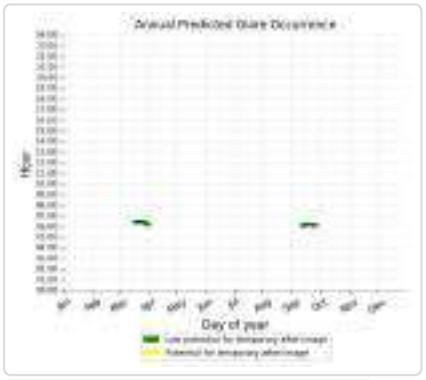


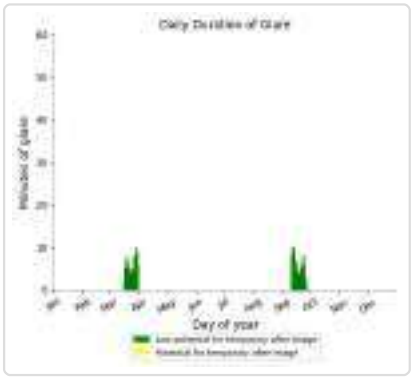


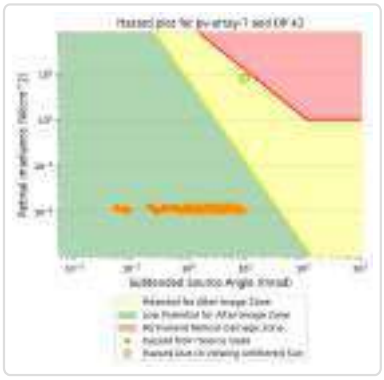
PV array 7: OP 42

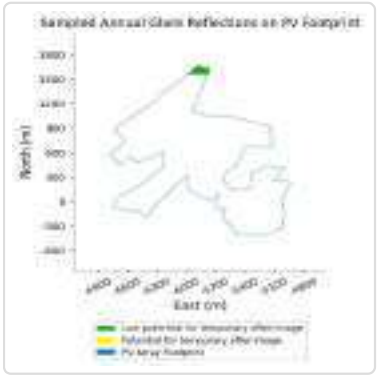
PV array is expected to produce the following glare for this receptor:

- 214 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





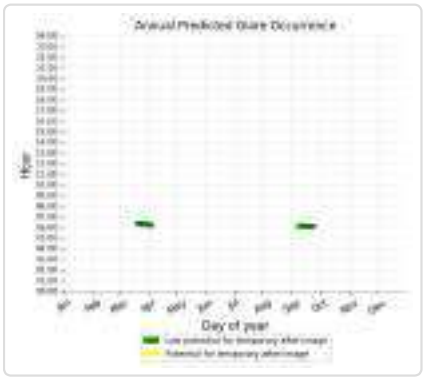


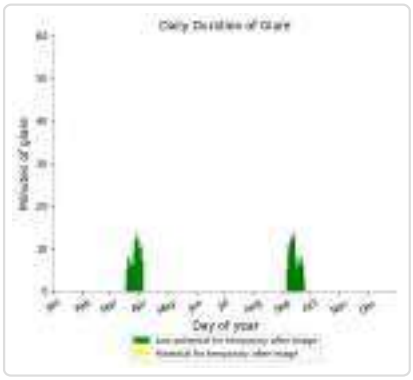


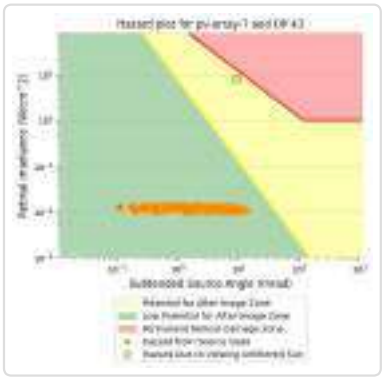
PV array 7: OP 43

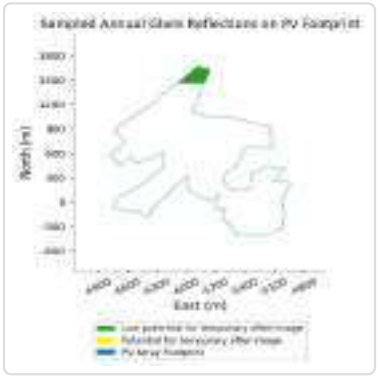
PV array is expected to produce the following glare for this receptor:

- 330 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





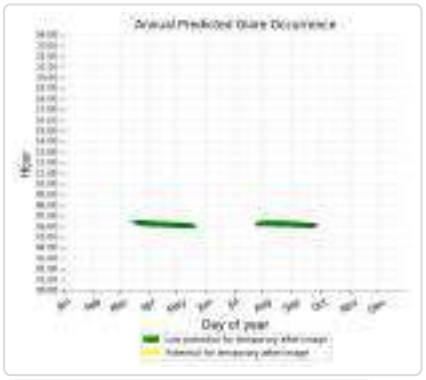


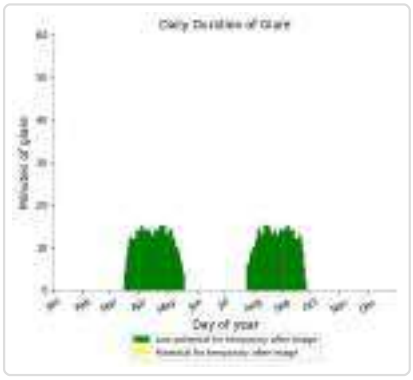


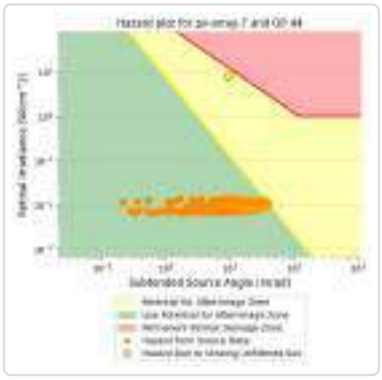
PV array 7: OP 44

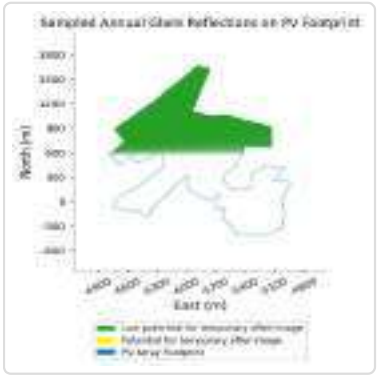
PV array is expected to produce the following glare for this receptor:

- 1,581 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





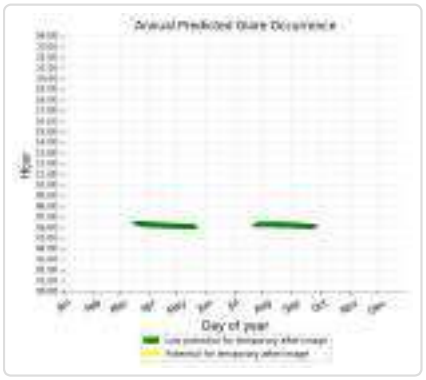


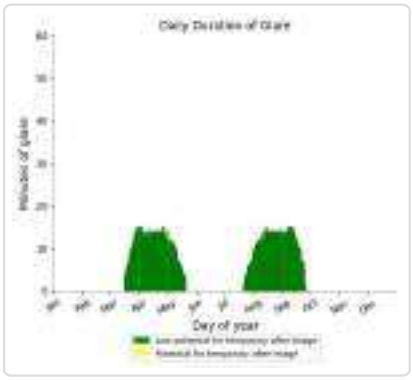


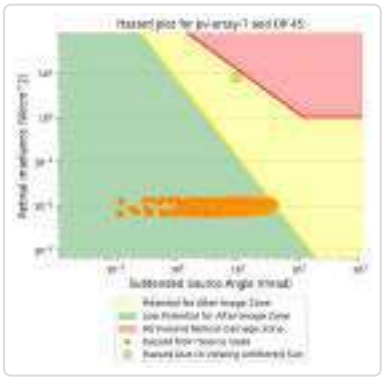
PV array 7: OP 45

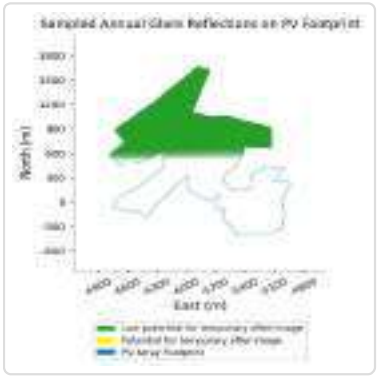
PV array is expected to produce the following glare for this receptor:

- 1,530 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





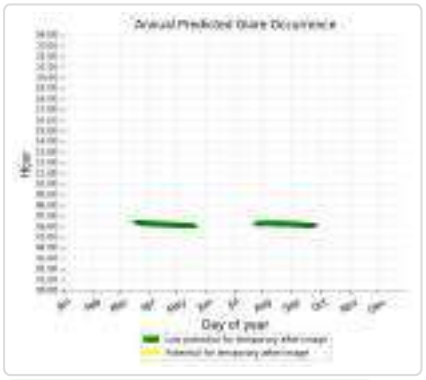


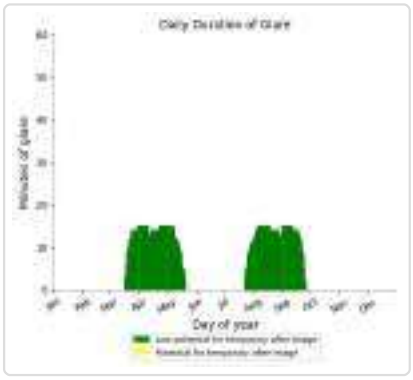


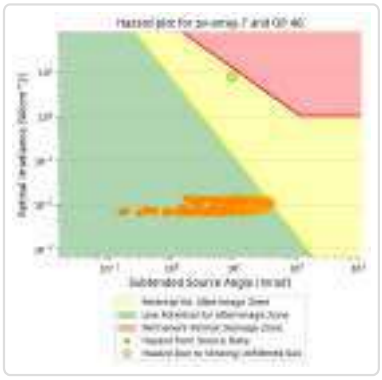
PV array 7: OP 46

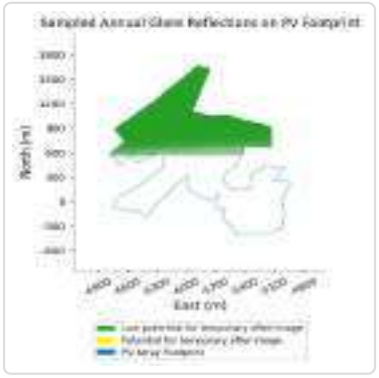
PV array is expected to produce the following glare for this receptor:

- 1,711 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





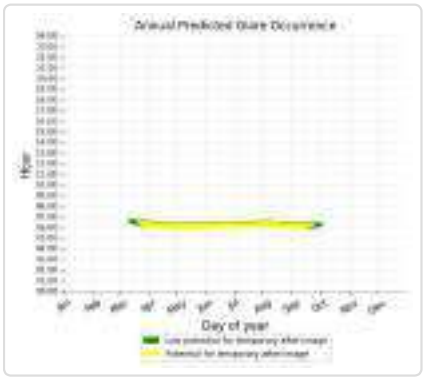


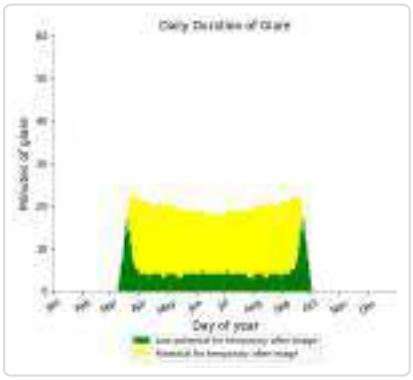


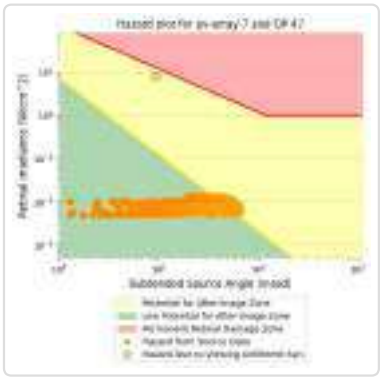
PV array 7: OP 47

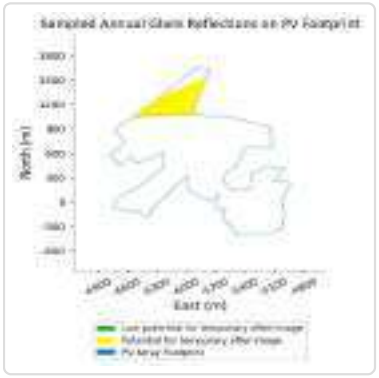
PV array is expected to produce the following glare for this receptor:

- 1,022 minutes of "green" glare with low potential to cause temporary after-image.
- 2,858 minutes of "yellow" glare with potential to cause temporary after-image.





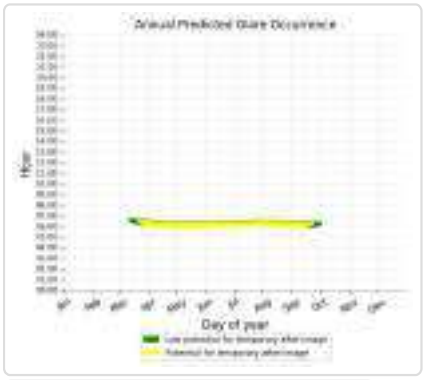


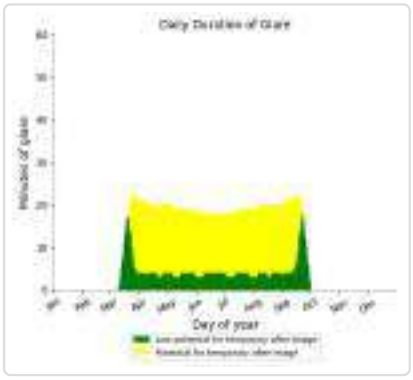


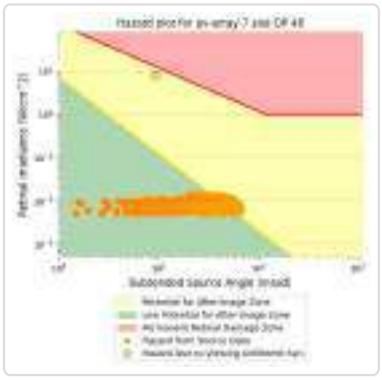
PV array 7: OP 48

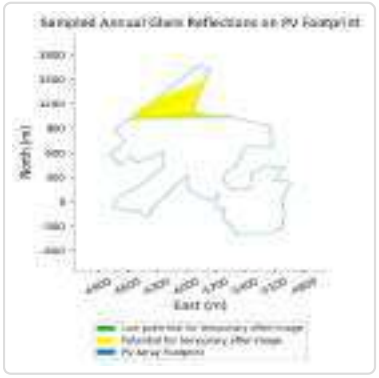
PV array is expected to produce the following glare for this receptor:

- 1,005 minutes of "green" glare with low potential to cause temporary after-image.
- 2,816 minutes of "yellow" glare with potential to cause temporary after-image.





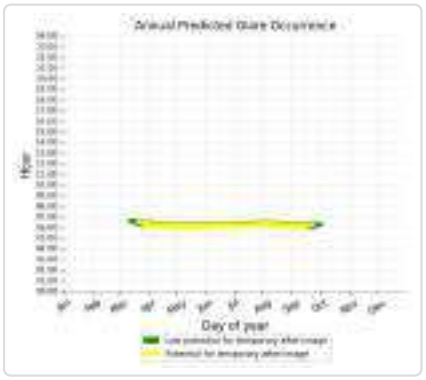


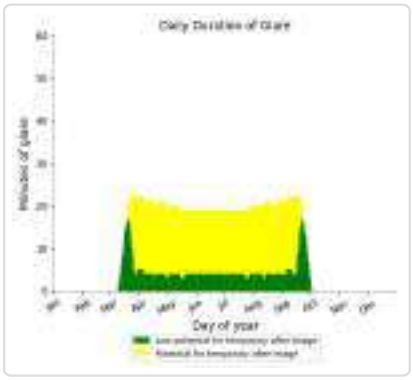


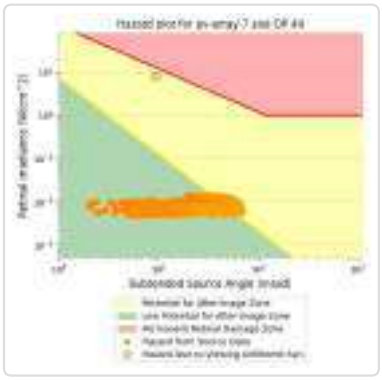
PV array 7: OP 49

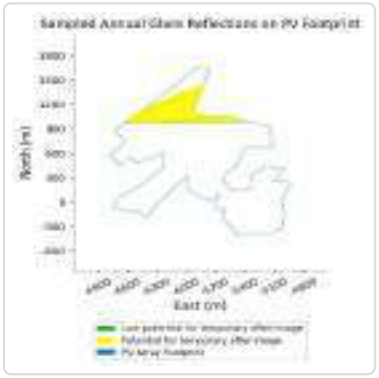
PV array is expected to produce the following glare for this receptor:

- 1,056 minutes of "green" glare with low potential to cause temporary after-image.
- 2,898 minutes of "yellow" glare with potential to cause temporary after-image.





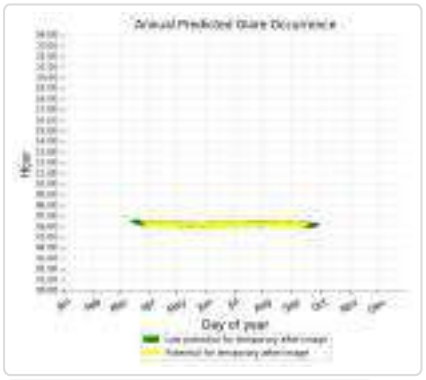


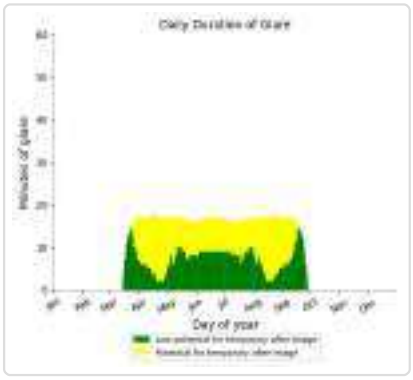


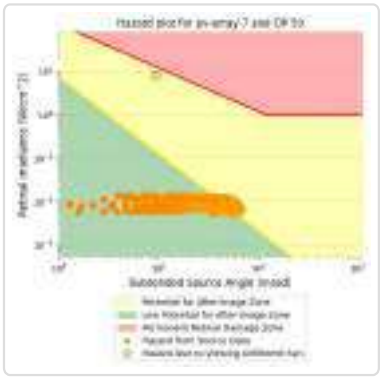
PV array 7: OP 50

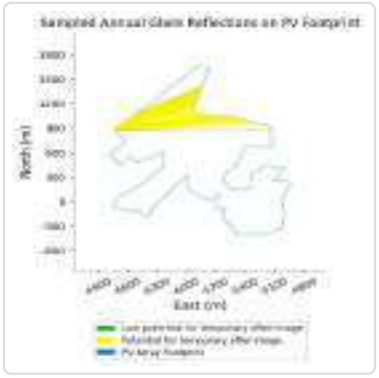
PV array is expected to produce the following glare for this receptor:

- 1,455 minutes of "green" glare with low potential to cause temporary after-image.
- 1,721 minutes of "yellow" glare with potential to cause temporary after-image.





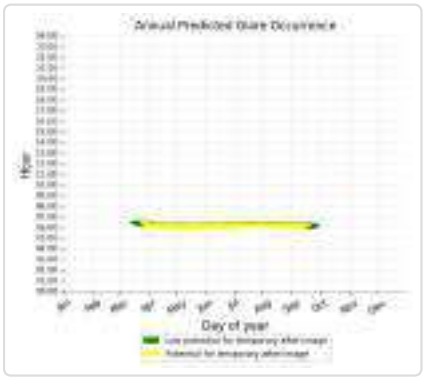


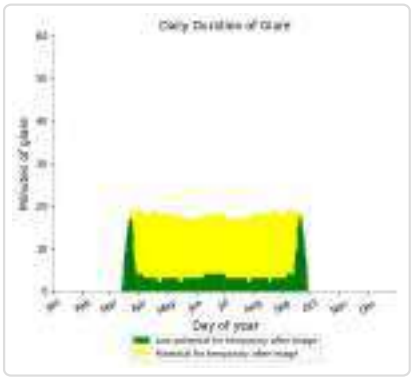


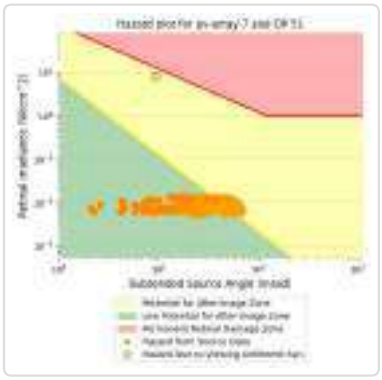
PV array 7: OP 51

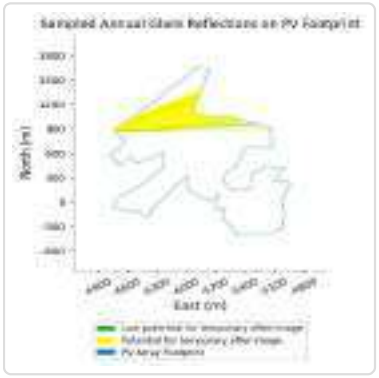
PV array is expected to produce the following glare for this receptor:

- 883 minutes of "green" glare with low potential to cause temporary after-image.
- 2,555 minutes of "yellow" glare with potential to cause temporary after-image.





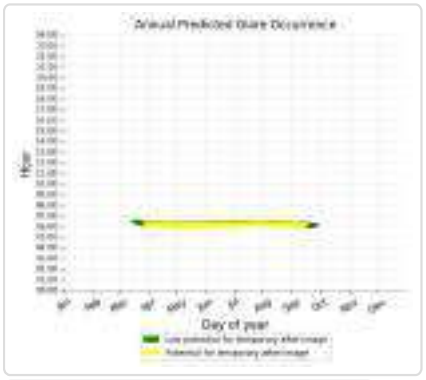


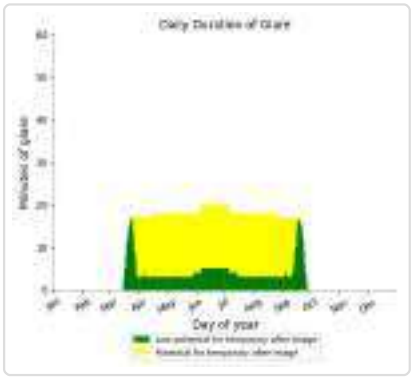


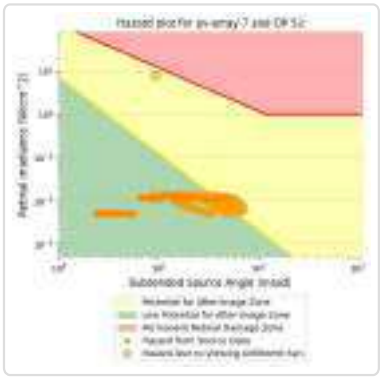
PV array 7: OP 52

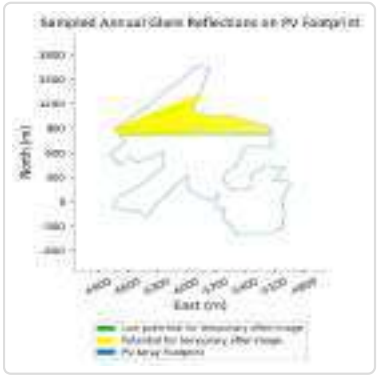
PV array is expected to produce the following glare for this receptor:

- 913 minutes of "green" glare with low potential to cause temporary after-image.
- 2,505 minutes of "yellow" glare with potential to cause temporary after-image.









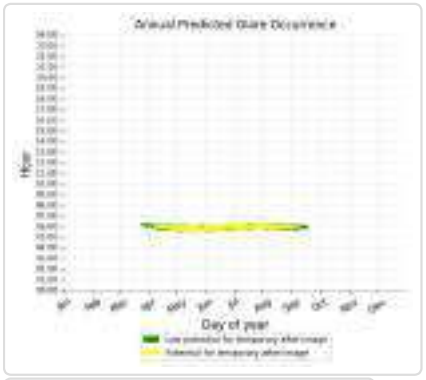
PV array 7: OP 53

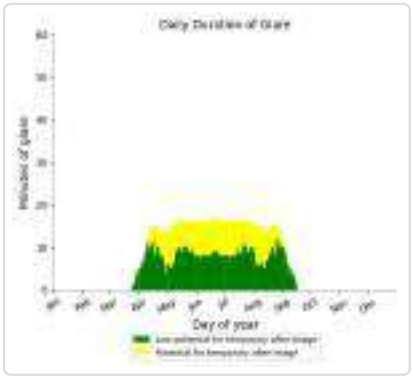
No glare found

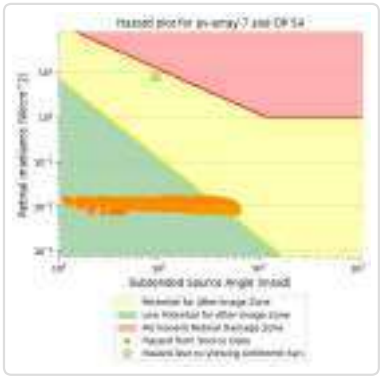
PV array 7: OP 54

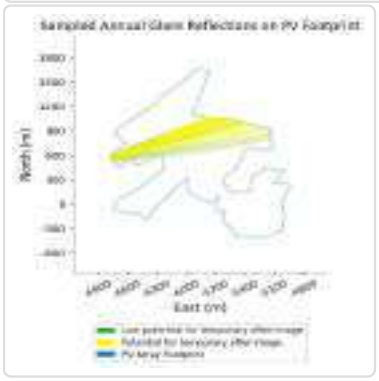
PV array is expected to produce the following glare for this receptor:

- 1,382 minutes of "green" glare with low potential to cause temporary after-image.
- 1,014 minutes of "yellow" glare with potential to cause temporary after-image.





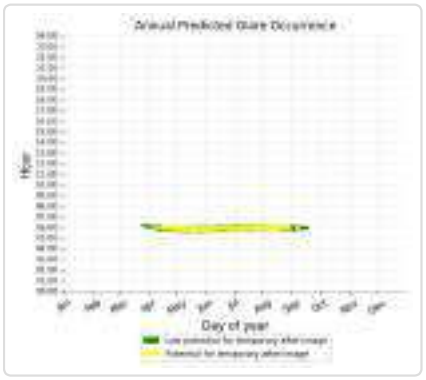


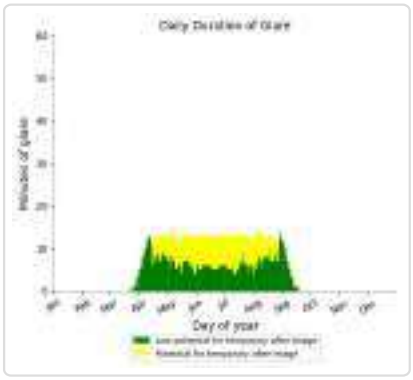


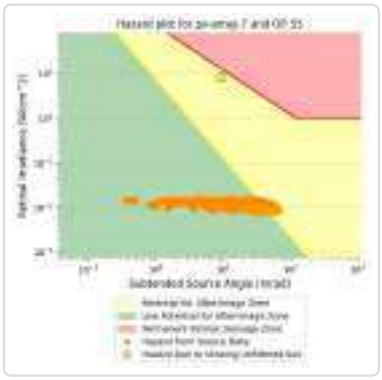
PV array 7: OP 55

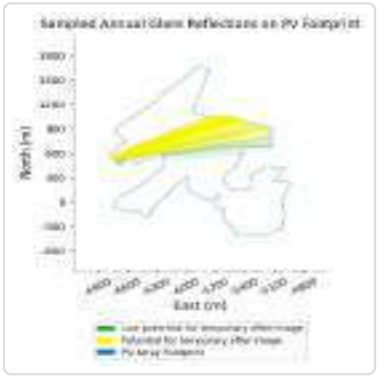
PV array is expected to produce the following glare for this receptor:

- 1,126 minutes of "green" glare with low potential to cause temporary after-image.
- 905 minutes of "yellow" glare with potential to cause temporary after-image.





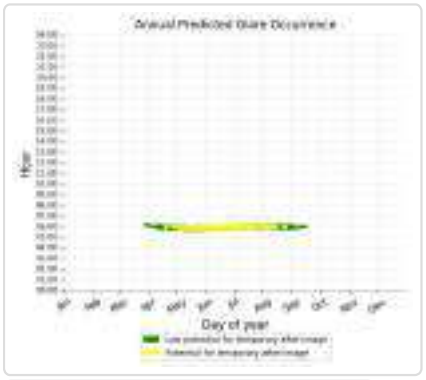


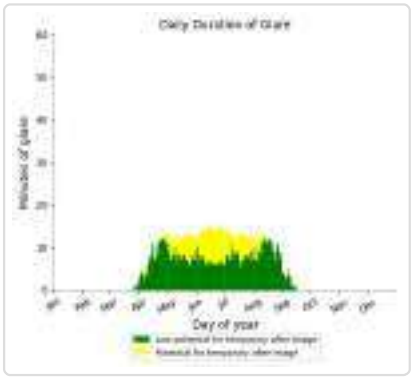


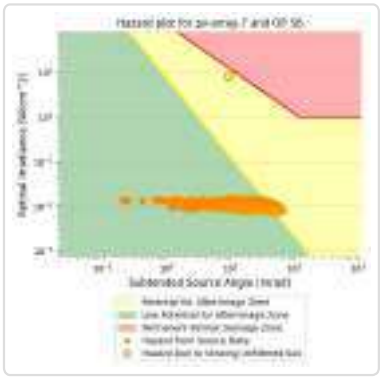
PV array 7: OP 56

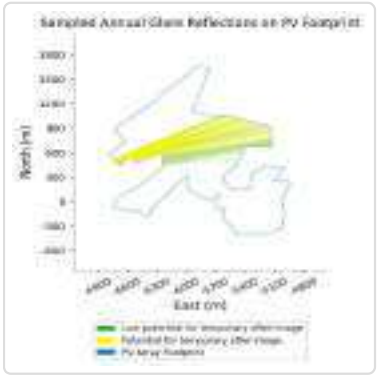
PV array is expected to produce the following glare for this receptor:

- 1,255 minutes of "green" glare with low potential to cause temporary after-image.
- 582 minutes of "yellow" glare with potential to cause temporary after-image.





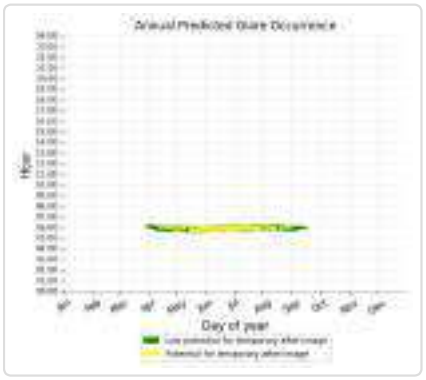


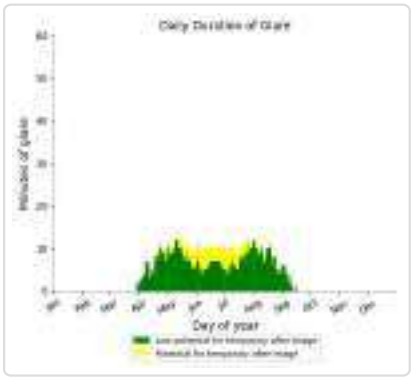


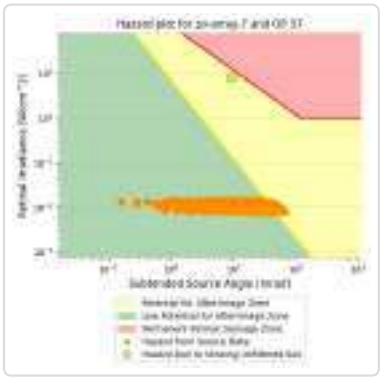
PV array 7: OP 57

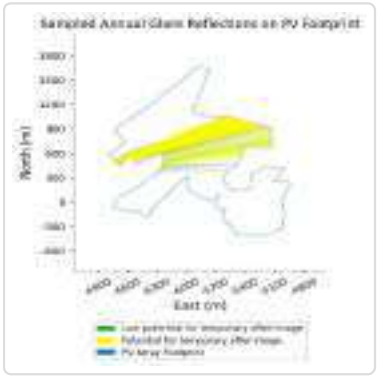
PV array is expected to produce the following glare for this receptor:

- 1,151 minutes of "green" glare with low potential to cause temporary after-image.
- 322 minutes of "yellow" glare with potential to cause temporary after-image.





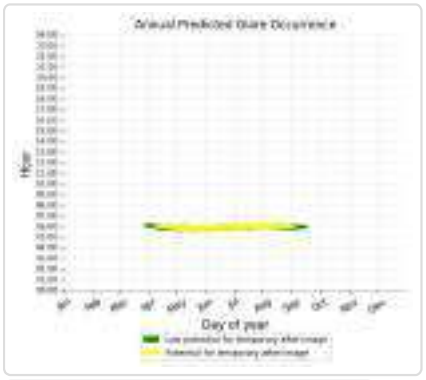


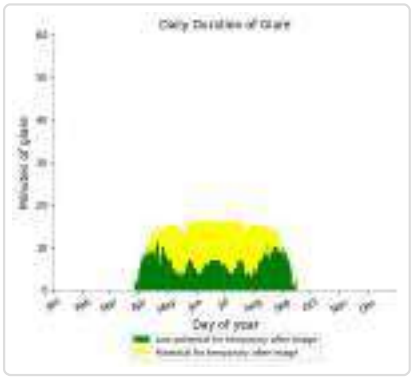


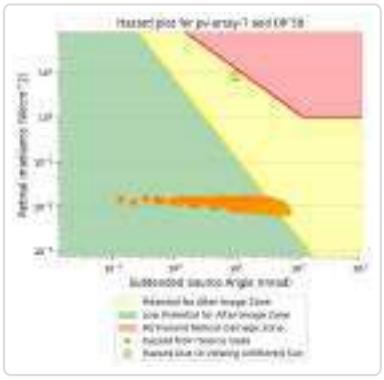
PV array 7: OP 58

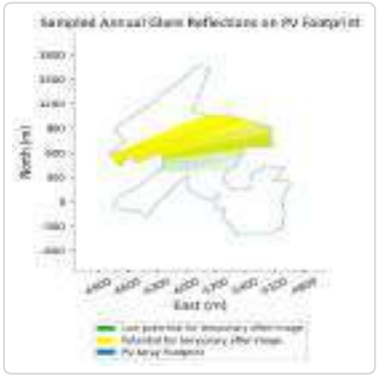
PV array is expected to produce the following glare for this receptor:

- 1,086 minutes of "green" glare with low potential to cause temporary after-image.
- 1,216 minutes of "yellow" glare with potential to cause temporary after-image.





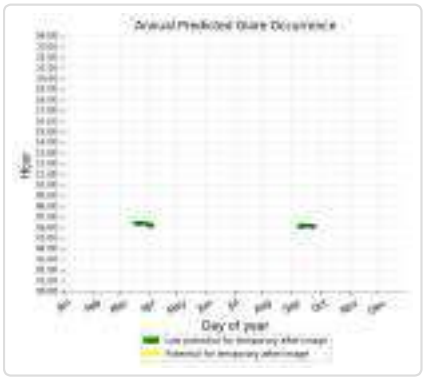


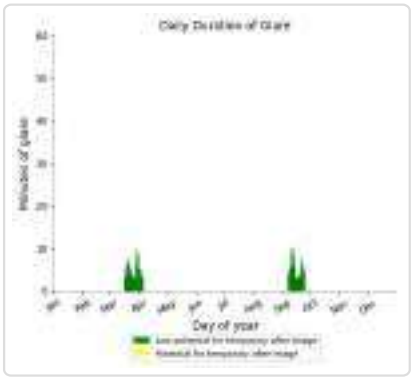


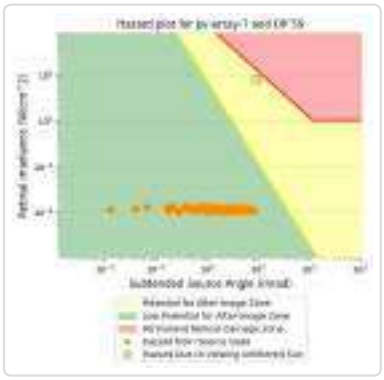
PV array 7: OP 59

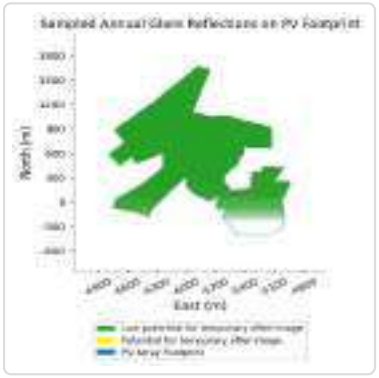
PV array is expected to produce the following glare for this receptor:

- 209 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





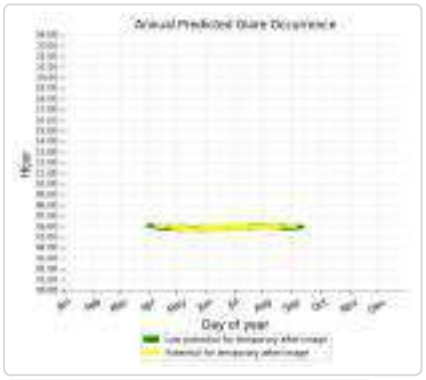


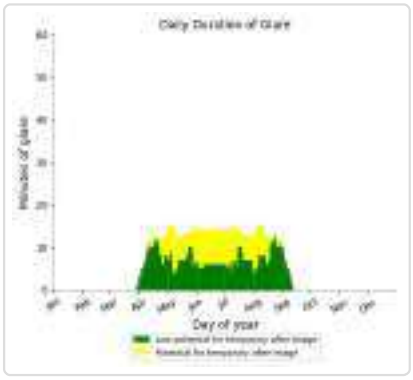


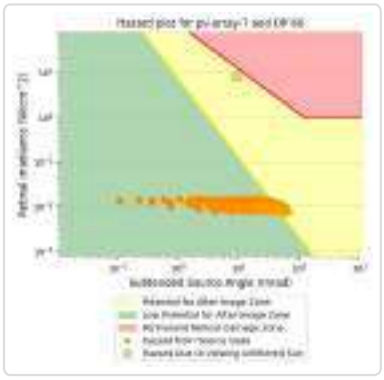
PV array 7: OP 60

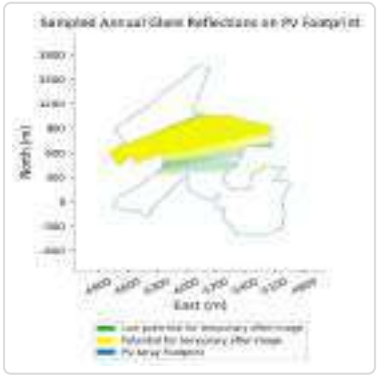
PV array is expected to produce the following glare for this receptor:

- 1,185 minutes of "green" glare with low potential to cause temporary after-image.
- 871 minutes of "yellow" glare with potential to cause temporary after-image.





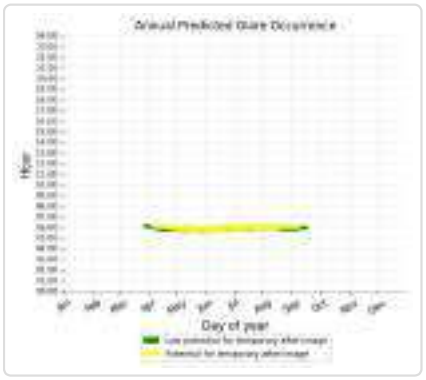


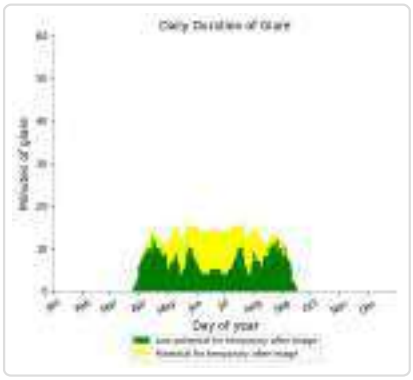


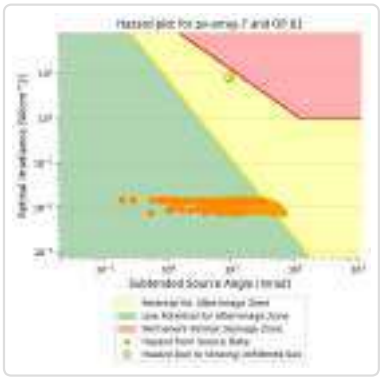
PV array 7: OP 61

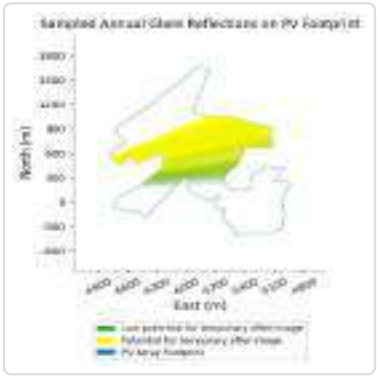
PV array is expected to produce the following glare for this receptor:

- 1,224 minutes of "green" glare with low potential to cause temporary after-image.
- 914 minutes of "yellow" glare with potential to cause temporary after-image.





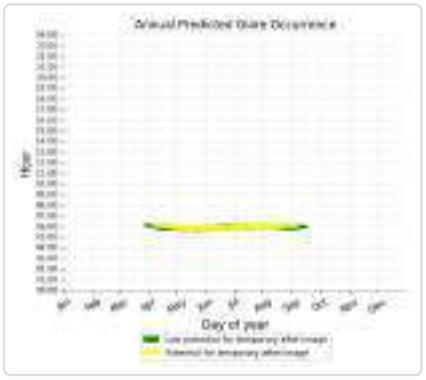


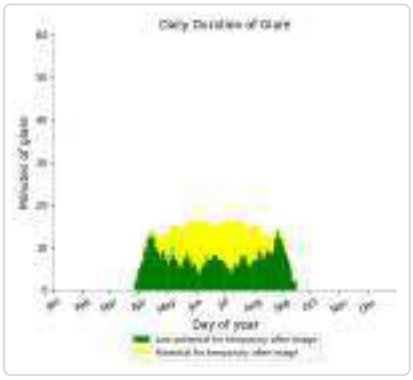


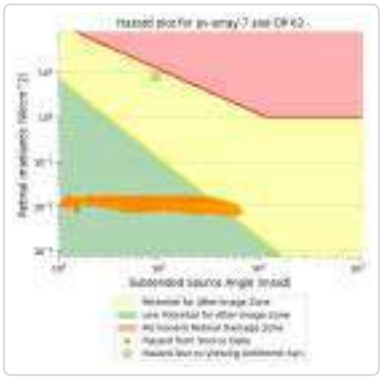
PV array 7: OP 62

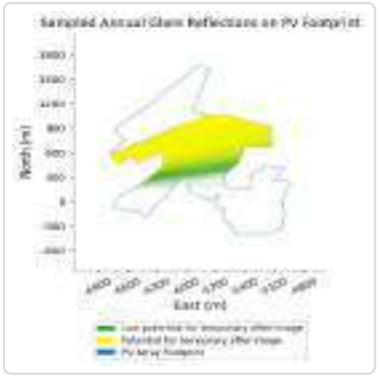
PV array is expected to produce the following glare for this receptor:

- 1,282 minutes of "green" glare with low potential to cause temporary after-image.
- 1,016 minutes of "yellow" glare with potential to cause temporary after-image.





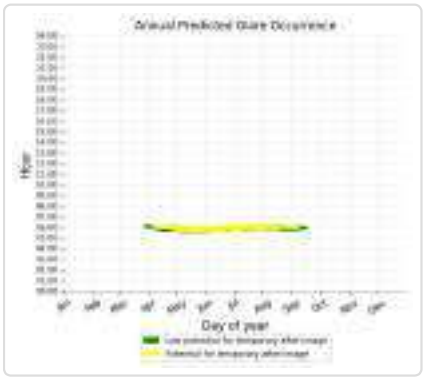


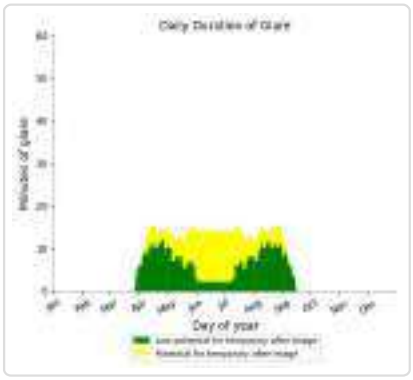


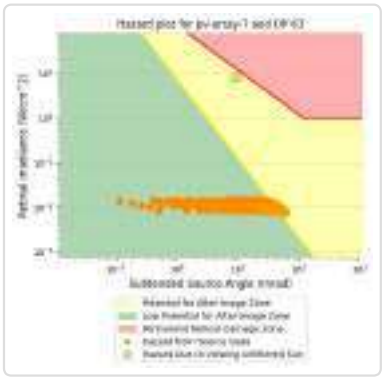
PV array 7: OP 63

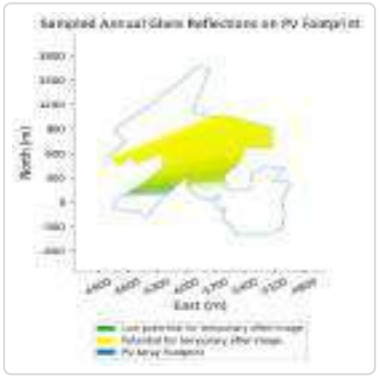
PV array is expected to produce the following glare for this receptor:

- 1,143 minutes of "green" glare with low potential to cause temporary after-image.
- 1,051 minutes of "yellow" glare with potential to cause temporary after-image.





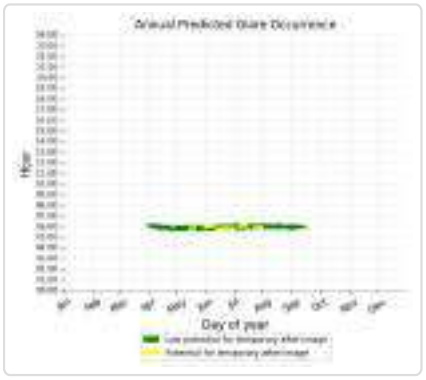


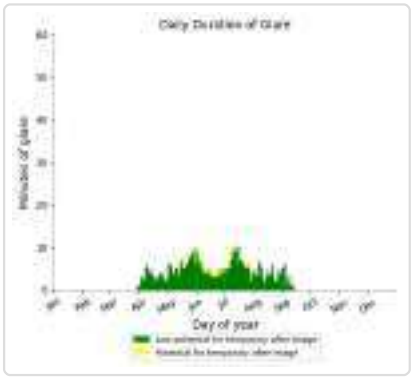


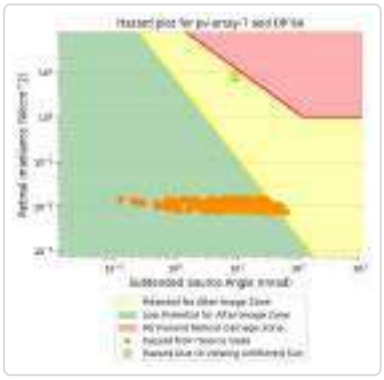
PV array 7: OP 64

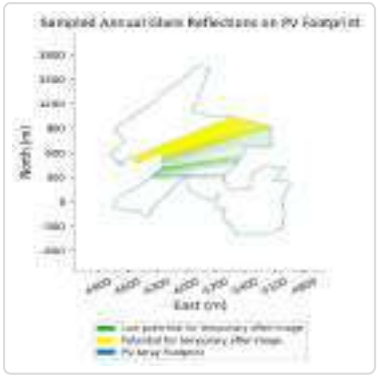
PV array is expected to produce the following glare for this receptor:

- 759 minutes of "green" glare with low potential to cause temporary after-image.
- 64 minutes of "yellow" glare with potential to cause temporary after-image.





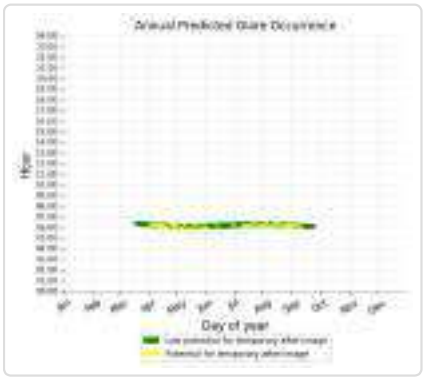


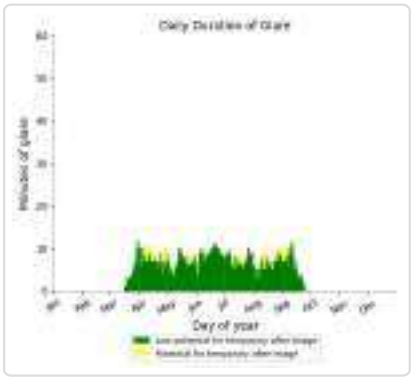


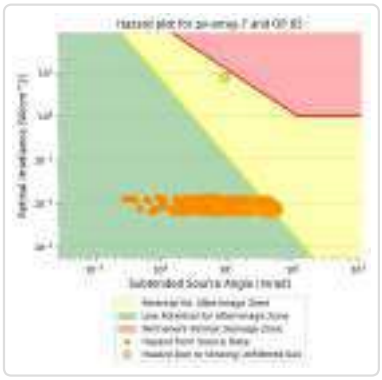
PV array 7: OP 65

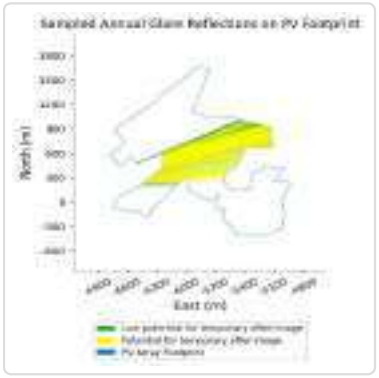
PV array is expected to produce the following glare for this receptor:

- 1,353 minutes of "green" glare with low potential to cause temporary after-image.
- 145 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 8 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0

OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	57	0
OP: OP 42	92	0
OP: OP 43	141	0
OP: OP 44	1306	0
OP: OP 45	1366	0
OP: OP 46	1291	0
OP: OP 47	1121	1533
OP: OP 48	1796	807
OP: OP 49	805	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	83	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 8: OP 1

No glare found

PV array 8: OP 2
No glare found

PV array 8: OP 3
No glare found

PV array 8: OP 4
No glare found

PV array 8: OP 5
No glare found

PV array 8: OP 6
No glare found

PV array 8: OP 7
No glare found

PV array 8: OP 8
No glare found

PV array 8: OP 9
No glare found

PV array 8: OP 10
No glare found

PV array 8: OP 11
No glare found

PV array 8: OP 12
No glare found

PV array 8: OP 13
No glare found

PV array 8: OP 14
No glare found

PV array 8: OP 15
No glare found

PV array 8: OP 16
No glare found

PV array 8: OP 17
No glare found

PV array 8: OP 18
No glare found

PV array 8: OP 19
No glare found

PV array 8: OP 20
No glare found

PV array 8: OP 21
No glare found

PV array 8: OP 22
No glare found

PV array 8: OP 23
No glare found

PV array 8: OP 24
No glare found

PV array 8: OP 25
No glare found

PV array 8: OP 26
No glare found

PV array 8: OP 27
No glare found

PV array 8: OP 28
No glare found

PV array 8: OP 29
No glare found

PV array 8: OP 30
No glare found

PV array 8: OP 31
No glare found

PV array 8: OP 32

No glare found

PV array 8: OP 33

No glare found

PV array 8: OP 34

No glare found

PV array 8: OP 35

No glare found

PV array 8: OP 36

No glare found

PV array 8: OP 37

No glare found

PV array 8: OP 38

No glare found

PV array 8: OP 39

No glare found

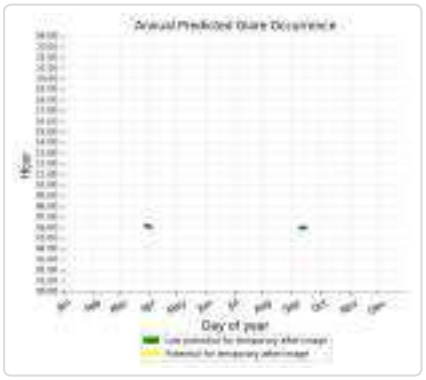
PV array 8: OP 40

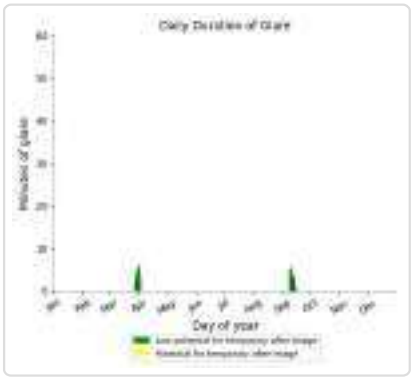
No glare found

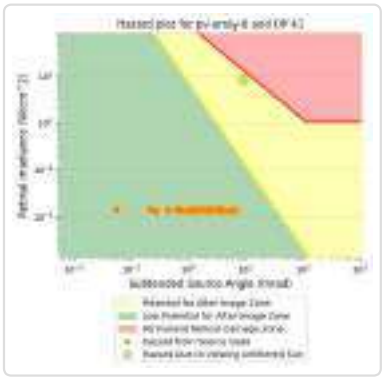
PV array 8: OP 41

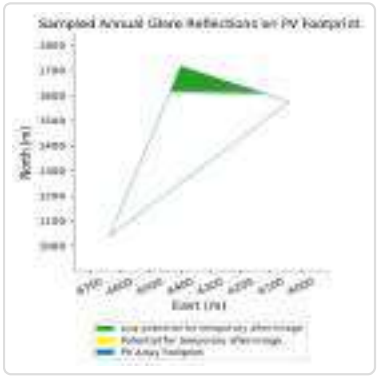
PV array is expected to produce the following glare for this receptor:

- 57 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





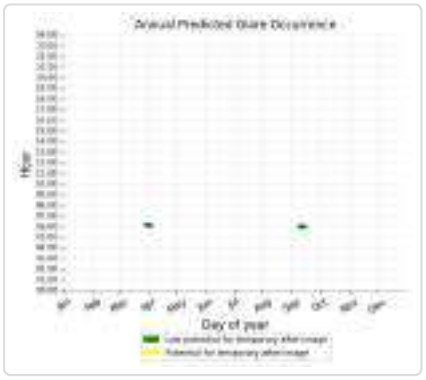


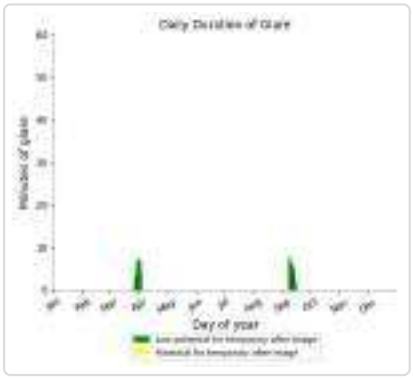


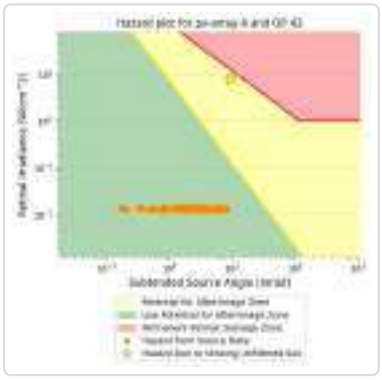
PV array 8: OP 42

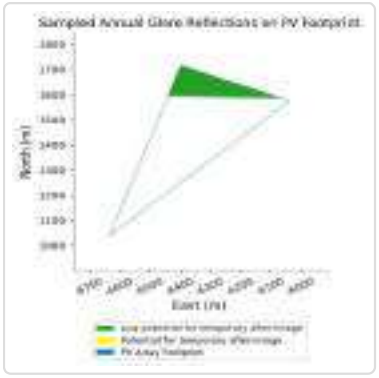
PV array is expected to produce the following glare for this receptor:

- 92 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





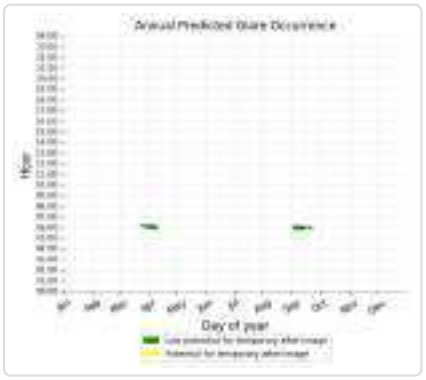


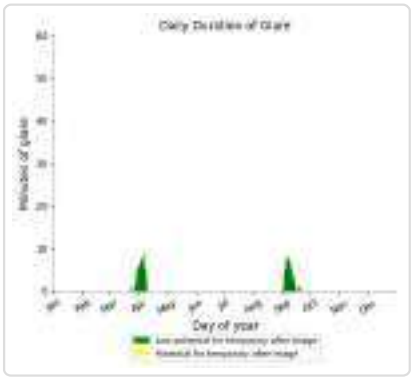


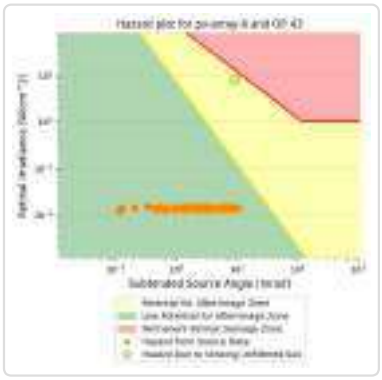
PV array 8: OP 43

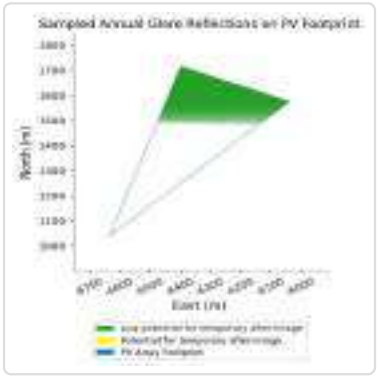
PV array is expected to produce the following glare for this receptor:

- 141 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





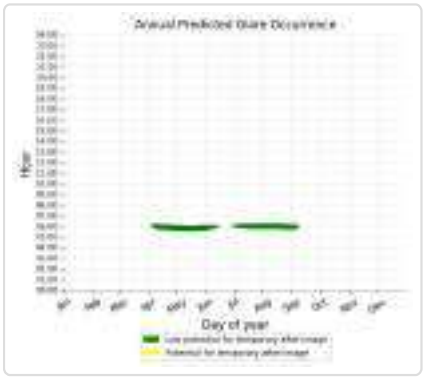


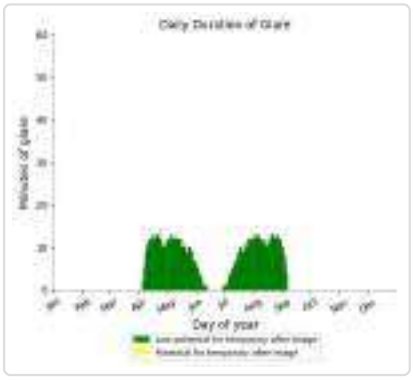


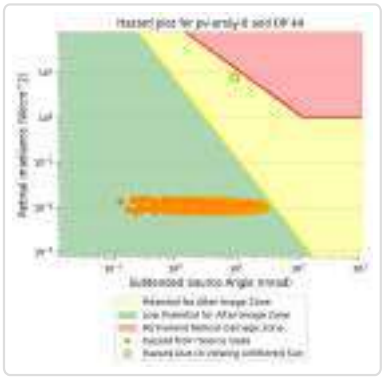
PV array 8: OP 44

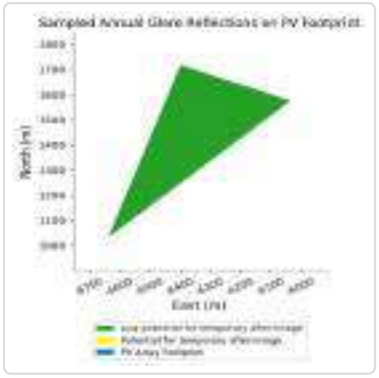
PV array is expected to produce the following glare for this receptor:

- 1,306 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





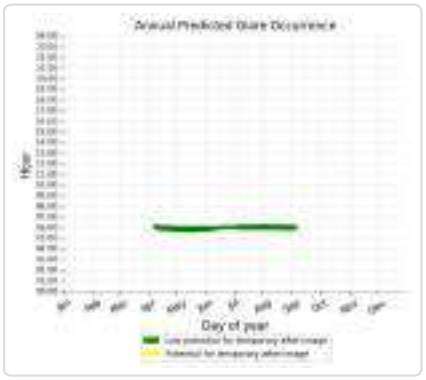


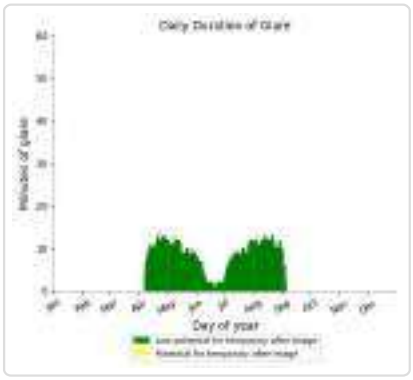


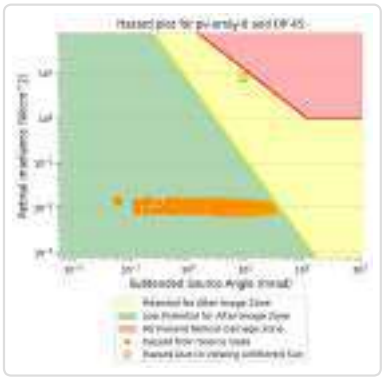
PV array 8: OP 45

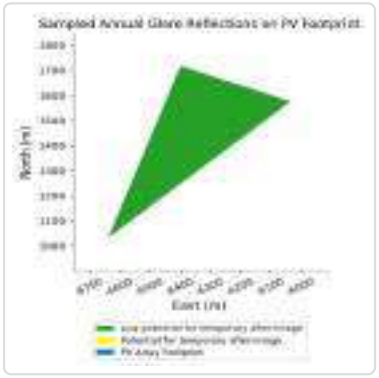
PV array is expected to produce the following glare for this receptor:

- 1,366 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





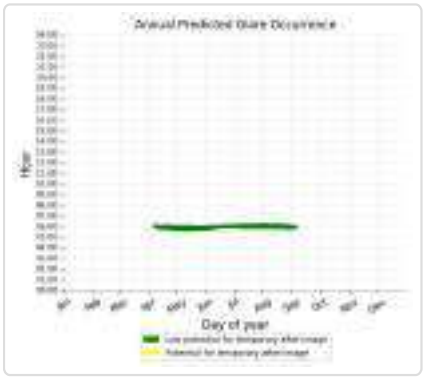


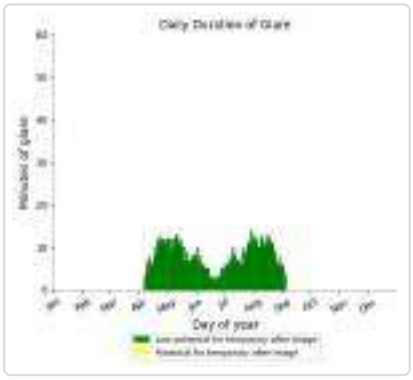


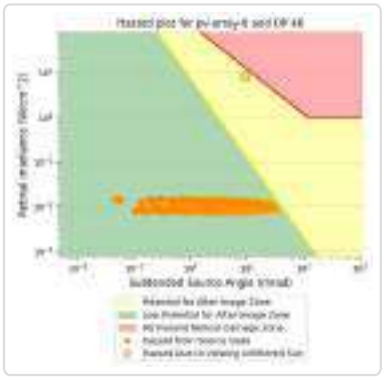
PV array 8: OP 46

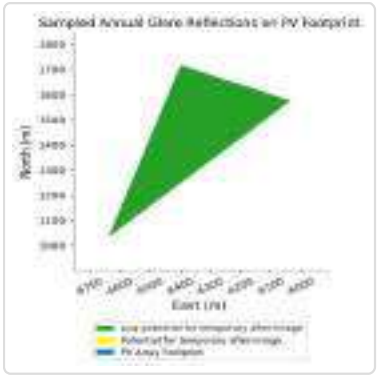
PV array is expected to produce the following glare for this receptor:

- 1,291 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





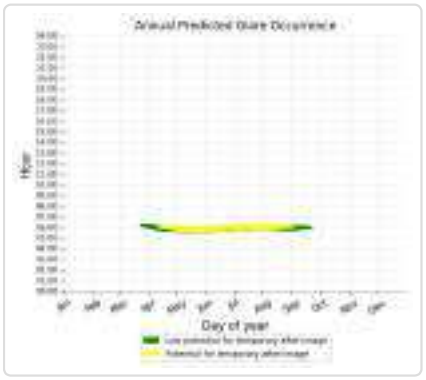


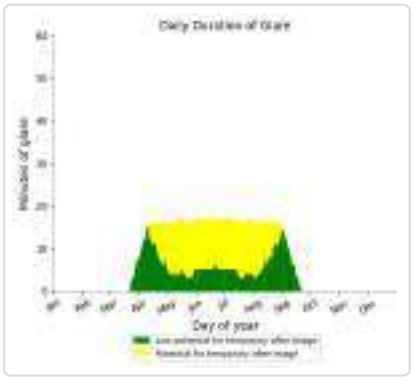


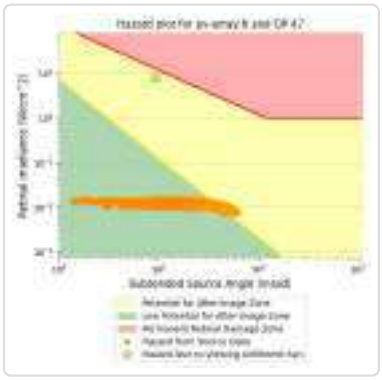
PV array 8: OP 47

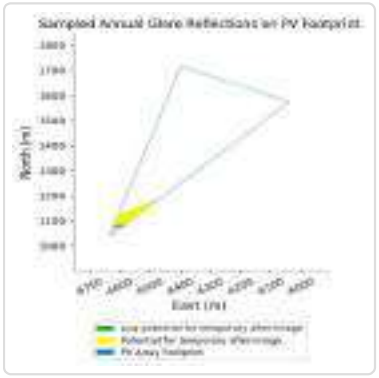
PV array is expected to produce the following glare for this receptor:

- 1,121 minutes of "green" glare with low potential to cause temporary after-image.
- 1,533 minutes of "yellow" glare with potential to cause temporary after-image.





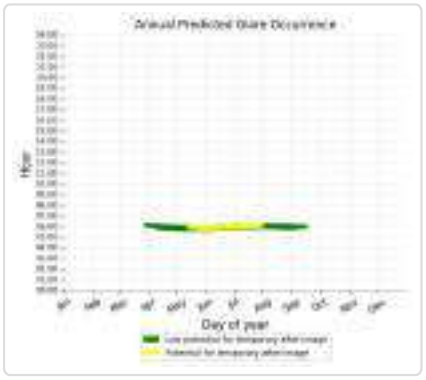


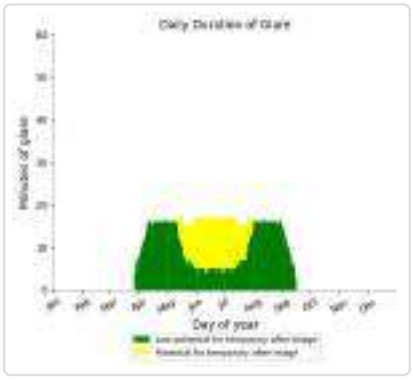


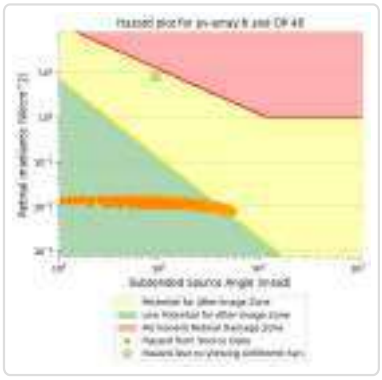
PV array 8: OP 48

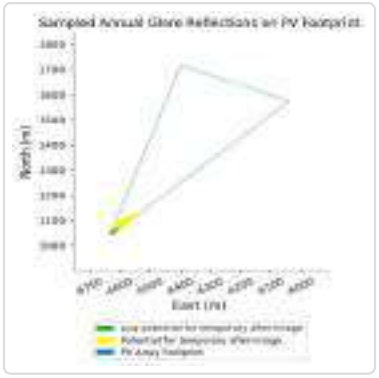
PV array is expected to produce the following glare for this receptor:

- 1,796 minutes of "green" glare with low potential to cause temporary after-image.
- 807 minutes of "yellow" glare with potential to cause temporary after-image.





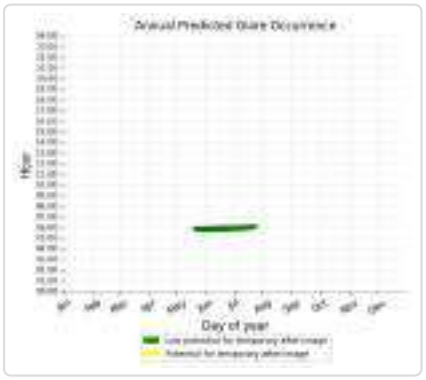


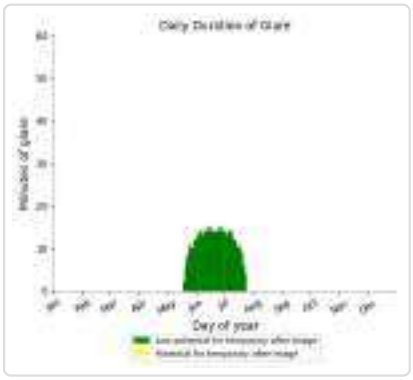


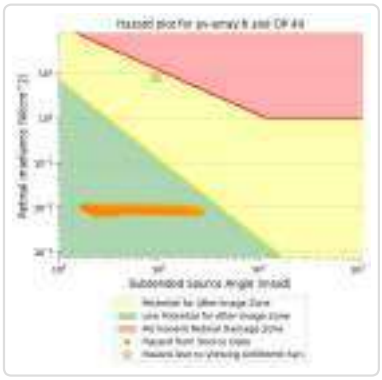
PV array 8: OP 49

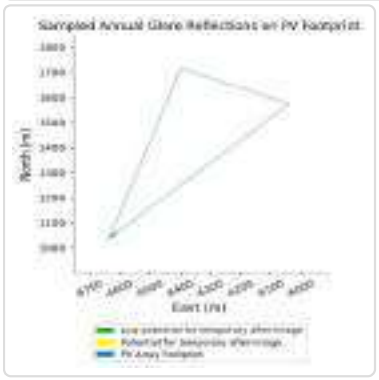
PV array is expected to produce the following glare for this receptor:

- 805 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 8: OP 50

No glare found

PV array 8: OP 51

No glare found

PV array 8: OP 52

No glare found

PV array 8: OP 53

No glare found

PV array 8: OP 54

No glare found

PV array 8: OP 55

No glare found

PV array 8: OP 56

No glare found

PV array 8: OP 57

No glare found

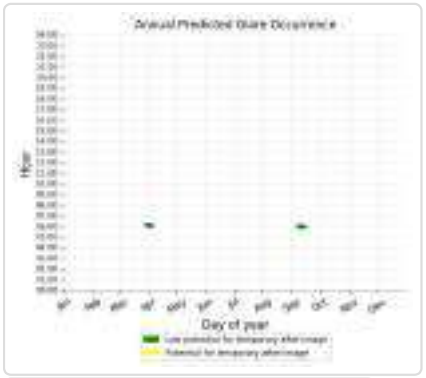
PV array 8: OP 58

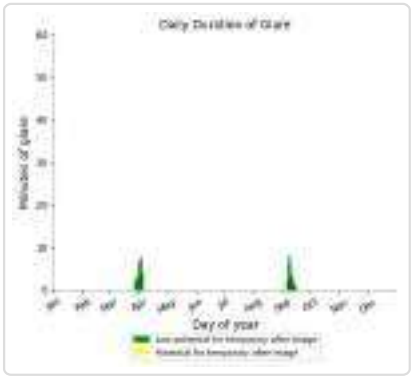
No glare found

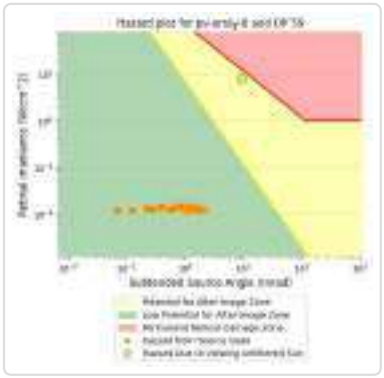
PV array 8: OP 59

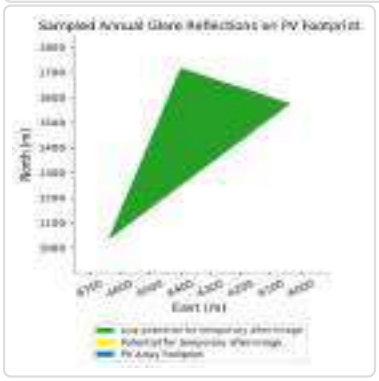
PV array is expected to produce the following glare for this receptor:

- 83 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 8: OP 60

No glare found

PV array 8: OP 61

No glare found

PV array 8: OP 62

No glare found

PV array 8: OP 63

No glare found

PV array 8: OP 64

No glare found

PV array 8: OP 65

No glare found

PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	16	0
OP: OP 44	18	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0

OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0

PV array 9: OP 1

No glare found

PV array 9: OP 2

No glare found

PV array 9: OP 3

No glare found

PV array 9: OP 4

No glare found

PV array 9: OP 5

No glare found

PV array 9: OP 6

No glare found

PV array 9: OP 7

No glare found

PV array 9: OP 8

No glare found

PV array 9: OP 9

No glare found

PV array 9: OP 10
No glare found

PV array 9: OP 11
No glare found

PV array 9: OP 12
No glare found

PV array 9: OP 13
No glare found

PV array 9: OP 14
No glare found

PV array 9: OP 15
No glare found

PV array 9: OP 16
No glare found

PV array 9: OP 17
No glare found

PV array 9: OP 18
No glare found

PV array 9: OP 19
No glare found

PV array 9: OP 20
No glare found

PV array 9: OP 21
No glare found

PV array 9: OP 22
No glare found

PV array 9: OP 23
No glare found

PV array 9: OP 24
No glare found

PV array 9: OP 25
No glare found

PV array 9: OP 26
No glare found

PV array 9: OP 27
No glare found

PV array 9: OP 28
No glare found

PV array 9: OP 29
No glare found

PV array 9: OP 30
No glare found

PV array 9: OP 31
No glare found

PV array 9: OP 32
No glare found

PV array 9: OP 33
No glare found

PV array 9: OP 34
No glare found

PV array 9: OP 35
No glare found

PV array 9: OP 36
No glare found

PV array 9: OP 37
No glare found

PV array 9: OP 38
No glare found

PV array 9: OP 39
No glare found

PV array 9: OP 40

No glare found

PV array 9: OP 41

No glare found

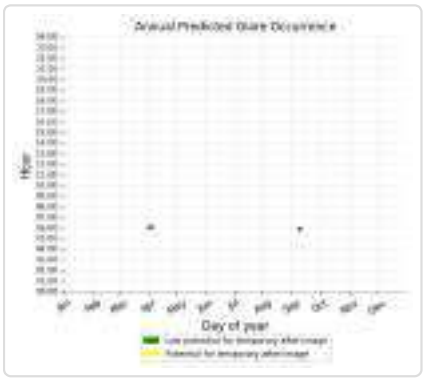
PV array 9: OP 42

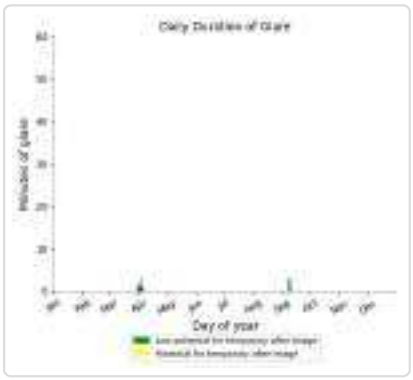
No glare found

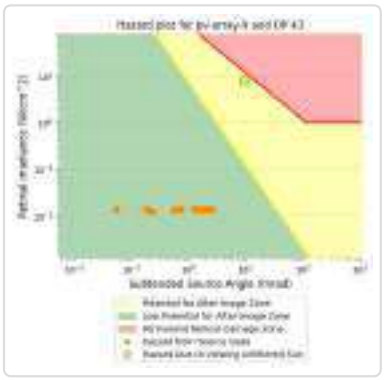
PV array 9: OP 43

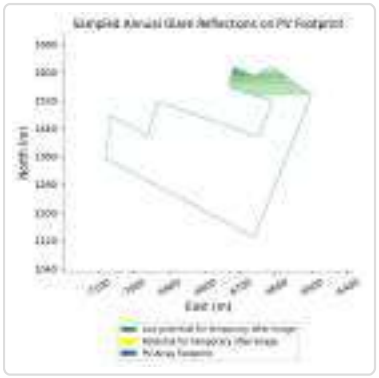
PV array is expected to produce the following glare for this receptor:

- 16 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





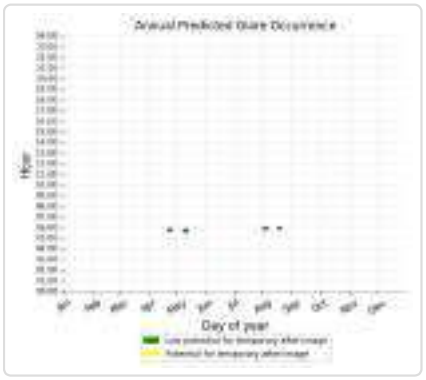


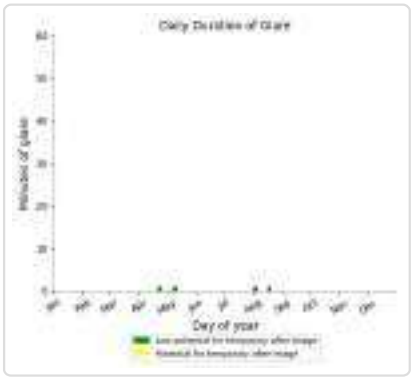


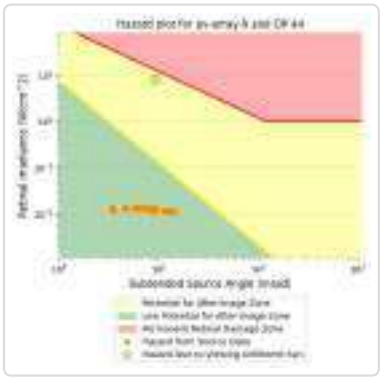
PV array 9: OP 44

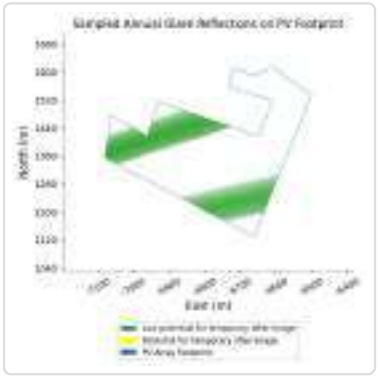
PV array is expected to produce the following glare for this receptor:

- 18 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 9: OP 45

No glare found

PV array 9: OP 46

No glare found

PV array 9: OP 47

No glare found

PV array 9: OP 48

No glare found

PV array 9: OP 49

No glare found

PV array 9: OP 50

No glare found

PV array 9: OP 51

No glare found

PV array 9: OP 52

No glare found

PV array 9: OP 53
No glare found

PV array 9: OP 54
No glare found

PV array 9: OP 55
No glare found

PV array 9: OP 56
No glare found

PV array 9: OP 57
No glare found

PV array 9: OP 58
No glare found

PV array 9: OP 59
No glare found

PV array 9: OP 60
No glare found

PV array 9: OP 61
No glare found

PV array 9: OP 62
No glare found

PV array 9: OP 63
No glare found

PV array 9: OP 64
No glare found

PV array 9: OP 65
No glare found

Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographi obstructions.
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for larg PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, no discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Appendix D: Residential Receptor Glare Results (66-123) (15 Deg)

ForgeSolar

East Park Solar

Residential Receptors 66 - 123 15 Deg

Client: Axis

Created Jun 12, 2024
Updated Sep 01, 2025
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 121534.20781

Project type Advanced
Project status: active
Category 100 MW to 1 GW

Misc. Analysis Settings

DNI: **varies (1,000.0 W/m^2 peak)**
Ocular transmission coefficient: **0.5**
Pupil diameter: **0.002 m**
Eye focal length: **0.017 m**
Sun subtended angle: **9.3 mrad**

PV Analysis Methodology: **Version 2**
Enhanced subtended angle calculation: **On**

Summary of Results Glare with potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV array 1	15.0	180.0	25,410	0	-
PV array 10	15.0	180.0	64,415	0	-
PV array 11	15.0	180.0	33,522	24	-
PV array 12	15.0	180.0	8,248	0	-
PV array 2	25.0	180.0	9,730	0	-
PV array 3	15.0	180.0	70,118	283	-
PV array 4	15.0	180.0	76,012	0	-
PV array 5	15.0	180.0	24,118	0	-
PV array 6	15.0	180.0	36,221	10,408	-
PV array 7	15.0	180.0	65,026	57,832	-
PV array 8	15.0	180.0	30,966	0	-
PV array 9	15.0	180.0	16,759	0	-

Component Data

PV Array(s)

Total PV footprint area: 5,308,597 m^2

Name: PV array 1
Footprint area: 340,804 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.253373	-0.321025	39.03	3.00	42.03
2	52.256814	-0.318192	27.50	3.00	30.50
3	52.258916	-0.322312	25.83	3.00	28.83
4	52.259310	-0.324758	27.00	3.00	30.00
5	52.259730	-0.325703	27.00	3.00	30.00
6	52.259388	-0.326818	27.00	3.00	30.00
7	52.259362	-0.329136	29.00	3.00	32.00
8	52.258259	-0.329307	29.20	3.00	32.20
9	52.257129	-0.328964	28.04	3.00	31.04
10	52.257077	-0.327891	28.11	3.00	31.11
11	52.255133	-0.328535	31.41	3.00	34.41

Name: PV array 10
Footprint area: 176,221 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.263940	-0.450080	69.41	3.00	72.41
2	52.262653	-0.448835	70.67	3.00	73.67
3	52.264518	-0.444501	74.28	3.00	77.28
4	52.266540	-0.437978	72.47	3.00	75.47
5	52.267381	-0.436991	70.83	3.00	73.83
6	52.268851	-0.438107	71.87	3.00	74.87
7	52.268247	-0.439866	70.08	3.00	73.08
8	52.266908	-0.441411	70.54	3.00	73.54
9	52.267013	-0.441969	69.28	3.00	72.28
10	52.266041	-0.443342	73.06	3.00	76.06
11	52.266672	-0.445274	69.22	3.00	72.22
12	52.265700	-0.446046	70.51	3.00	73.51
13	52.265542	-0.447291	69.96	3.00	72.96

Name: PV array 11
Footprint area: 458,524 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.269954	-0.440896	60.06	3.00	63.06
2	52.271189	-0.442312	50.49	3.00	53.49
3	52.272659	-0.441239	48.01	3.00	51.01
4	52.273106	-0.443428	45.53	3.00	48.53
5	52.275023	-0.441154	44.00	3.00	47.00
6	52.274576	-0.435060	45.25	3.00	48.25
7	52.275233	-0.433944	43.67	3.00	46.67
8	52.275417	-0.435017	44.00	3.00	47.00
9	52.277911	-0.434802	40.95	3.00	43.95
10	52.278016	-0.432699	40.10	3.00	43.10
11	52.277438	-0.432313	40.06	3.00	43.06
12	52.276598	-0.424803	37.00	3.00	40.00
13	52.277176	-0.421928	37.25	3.00	40.25
14	52.274419	-0.421842	40.16	3.00	43.16
15	52.273736	-0.423473	45.03	3.00	48.03
16	52.274261	-0.424331	43.45	3.00	46.45
17	52.274550	-0.426305	43.01	3.00	46.01
18	52.274287	-0.427979	45.61	3.00	48.61
19	52.274445	-0.429609	46.04	3.00	49.04
20	52.274655	-0.430897	46.31	3.00	49.31
21	52.274130	-0.432656	50.40	3.00	53.40
22	52.273211	-0.433815	54.59	3.00	57.59
23	52.273158	-0.436605	49.49	3.00	52.49

Name: PV array 12
Footprint area: 165,528 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.281377	-0.433772	42.28	3.00	45.28
2	52.279565	-0.434888	39.64	3.00	42.64
3	52.279539	-0.433386	40.69	3.00	43.69
4	52.278988	-0.432227	40.41	3.00	43.41
5	52.277990	-0.431455	39.12	3.00	42.12
6	52.277727	-0.429910	38.14	3.00	41.14
7	52.277386	-0.428365	38.45	3.00	41.45
8	52.277570	-0.427206	38.00	3.00	41.00
9	52.277307	-0.426305	37.35	3.00	40.35
10	52.277333	-0.424760	37.38	3.00	40.38
11	52.280432	-0.426605	42.30	3.00	45.30
12	52.280379	-0.430983	44.82	3.00	47.82

Name: PV array 2
Footprint area: 455,267 m^2
Axis tracking: Fixed (no rotation)
Tilt: 25.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Smooth glass without AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 6.55 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.253451	-0.321969	38.80	3.00	41.80
2	52.251350	-0.322398	41.09	3.00	44.09
3	52.250246	-0.316433	38.10	3.00	41.10
4	52.248039	-0.317248	34.28	3.00	37.28
5	52.249169	-0.322398	36.70	3.00	39.70
6	52.249090	-0.329050	38.25	3.00	41.25
7	52.249983	-0.334243	39.10	3.00	42.10
8	52.252033	-0.334414	42.47	3.00	45.47
9	52.252190	-0.329007	43.23	3.00	46.23
10	52.254502	-0.328578	33.21	3.00	36.21
11	52.254791	-0.327634	32.89	3.00	35.89

Name: PV array 3
Footprint area: 408,190 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.256867	-0.341710	26.27	3.00	29.27
2	52.255790	-0.342010	27.99	3.00	30.99
3	52.254476	-0.343856	30.98	3.00	33.98
4	52.255527	-0.354585	50.50	3.00	53.50
5	52.261306	-0.352868	30.04	3.00	33.04
6	52.261411	-0.351066	28.28	3.00	31.28
7	52.261122	-0.349564	28.42	3.00	31.42
8	52.258653	-0.350722	30.78	3.00	33.78
9	52.257891	-0.350465	31.93	3.00	34.93
10	52.259835	-0.349778	29.53	3.00	32.53
11	52.259126	-0.346302	27.13	3.00	30.13
12	52.258154	-0.344542	27.43	3.00	30.43
13	52.258101	-0.343298	27.00	3.00	30.00

Name: PV array 4
Footprint area: 246,626 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.262934	-0.353254	31.27	3.00	34.27
2	52.261201	-0.353683	30.97	3.00	33.97
3	52.261017	-0.353211	30.25	3.00	33.25
4	52.257733	-0.354155	37.24	3.00	40.24
5	52.257891	-0.360292	41.79	3.00	44.79
6	52.258732	-0.360078	38.71	3.00	41.71
7	52.260544	-0.359863	37.07	3.00	40.07
8	52.261385	-0.359992	35.85	3.00	38.85
9	52.263039	-0.359177	33.48	3.00	36.48

Name: PV array 5
Footprint area: 65,372 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.264277	-0.378695	30.70	3.00	33.70
2	52.264408	-0.382000	31.89	3.00	34.89
3	52.261519	-0.381656	31.65	3.00	34.65
4	52.261756	-0.378609	31.30	3.00	34.30

Name: PV array 6
Footprint area: 935,379 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.264435	-0.382171	32.17	3.00	35.17
2	52.261493	-0.381785	31.70	3.00	34.70
3	52.261283	-0.384403	34.00	3.00	37.00
4	52.257500	-0.383802	38.47	3.00	41.47
5	52.257238	-0.385905	39.88	3.00	42.88
6	52.259628	-0.386162	34.80	3.00	37.80
7	52.258137	-0.388201	37.57	3.00	40.57
8	52.258032	-0.393254	40.00	3.00	43.00
9	52.261257	-0.393758	37.00	3.00	40.00
10	52.263542	-0.393758	35.86	3.00	38.86
11	52.264093	-0.398179	33.90	3.00	36.90
12	52.266273	-0.398007	32.00	3.00	35.00
13	52.266982	-0.400968	33.01	3.00	36.01
14	52.268269	-0.396333	32.04	3.00	35.04
15	52.267035	-0.395003	32.46	3.00	35.46
16	52.266168	-0.395260	32.36	3.00	35.36
17	52.264750	-0.393758	33.40	3.00	36.40
18	52.265748	-0.393501	32.08	3.00	35.08
19	52.265617	-0.392943	32.00	3.00	35.00
20	52.267035	-0.393072	31.90	3.00	34.90
21	52.267114	-0.393587	32.11	3.00	35.11
22	52.267071	-0.394837	32.55	0.00	32.55
23	52.268341	-0.396151	32.00	0.00	32.00
24	52.268689	-0.393715	31.00	3.00	34.00
25	52.268689	-0.390583	30.17	3.00	33.17
26	52.268348	-0.390111	30.10	3.00	33.10
27	52.268584	-0.382214	34.00	3.00	37.00
28	52.267298	-0.382042	34.07	3.00	37.07
29	52.267324	-0.385261	33.88	3.00	36.88
30	52.264566	-0.385047	31.18	3.00	34.18

Name: PV array 7
Footprint area: 1,785,932 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.259359	-0.396237	39.05	3.00	42.05
2	52.261716	-0.396280	38.04	3.00	41.04
3	52.262675	-0.401741	37.05	3.00	40.05
4	52.262885	-0.402298	37.54	3.00	40.54
5	52.262833	-0.405260	38.53	3.00	41.53
6	52.263305	-0.407920	39.00	3.00	42.00
7	52.267928	-0.405345	33.00	3.00	36.00
8	52.268322	-0.407062	33.26	3.00	36.26
9	52.264303	-0.413886	36.17	3.00	39.17
10	52.261362	-0.419550	40.01	3.00	43.01
11	52.259996	-0.417963	39.86	3.00	42.86
12	52.258682	-0.420366	39.95	3.00	42.95
13	52.257421	-0.418821	47.13	3.00	50.13
14	52.258446	-0.416976	43.19	3.00	46.19
15	52.257632	-0.416289	49.06	3.00	52.06
16	52.258866	-0.412255	42.71	3.00	45.71
17	52.257789	-0.412298	45.95	3.00	48.95
18	52.257185	-0.412341	46.49	3.00	49.49
19	52.255294	-0.415516	52.29	3.00	55.29
20	52.253770	-0.419293	60.23	3.00	63.23
21	52.252798	-0.419808	63.53	3.00	66.53
22	52.252588	-0.418435	60.42	3.00	63.42
23	52.252272	-0.416031	53.78	3.00	56.78
24	52.251721	-0.414444	49.65	3.00	52.65
25	52.252614	-0.414014	49.51	3.00	52.51
26	52.253586	-0.412555	46.83	3.00	49.83
27	52.255005	-0.410710	45.02	3.00	48.02
28	52.256344	-0.408521	43.00	3.00	46.00
29	52.255294	-0.408907	42.65	3.00	45.65
30	52.254427	-0.407877	42.97	3.00	45.97
31	52.253428	-0.405345	54.32	3.00	57.32
32	52.254216	-0.403929	52.65	3.00	55.65
33	52.253061	-0.404444	58.85	3.00	61.85
34	52.252509	-0.404058	60.60	3.00	63.60
35	52.252772	-0.402899	60.16	3.00	63.16
36	52.251589	-0.403543	62.33	3.00	65.33
37	52.250722	-0.401912	67.42	3.00	70.42
38	52.249724	-0.401483	70.66	3.00	73.66
39	52.249803	-0.399337	69.43	3.00	72.43
40	52.249619	-0.398522	69.95	3.00	72.95
41	52.249908	-0.396848	68.63	3.00	71.63
42	52.250065	-0.395518	68.31	3.00	71.31
43	52.250381	-0.395303	67.74	3.00	70.74
44	52.250460	-0.394531	67.50	3.00	70.50
45	52.251878	-0.394102	62.70	3.00	65.70
46	52.253586	-0.394574	54.58	3.00	57.58
47	52.255399	-0.393286	43.67	3.00	46.67
48	52.255635	-0.393458	42.64	3.00	45.64
49	52.255661	-0.395732	46.22	3.00	49.22
50	52.257159	-0.394273	41.00	3.00	44.00
51	52.257316	-0.397192	42.21	3.00	45.21
52	52.256738	-0.397749	43.77	3.00	46.77
53	52.256738	-0.398951	44.21	3.00	47.21
54	52.254900	-0.399251	51.47	3.00	54.47
55	52.254663	-0.402170	52.65	3.00	55.65
56	52.255189	-0.402599	49.22	3.00	52.22
57	52.255530	-0.403157	46.28	3.00	49.28
58	52.256344	-0.403114	43.31	3.00	46.31
59	52.256844	-0.402384	41.92	3.00	44.92
60	52.257448	-0.401311	41.31	3.00	44.31

61	52.258551	-0.400668	41.97	3.00	44.97
62	52.258682	-0.400281	41.82	3.00	44.82
63	52.259477	-0.400110	41.00	3.00	44.00
64	52.259365	-0.397492	40.66	3.00	43.66

Name: PV array 8
Footprint area: 138,869 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.262727	-0.418148	38.98	3.00	41.98
2	52.267560	-0.409393	34.03	3.00	37.03
3	52.268820	-0.414672	38.91	3.00	41.91

Name: PV array 9
Footprint area: 131,885 m^2
Axis tracking: Fixed (no rotation)
Tilt: 15.0 deg
Orientation: 180.0 deg

Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.263567	-0.418577	39.74	3.00	42.74
2	52.265590	-0.424714	47.00	3.00	50.00
3	52.266693	-0.424499	45.23	3.00	48.23
4	52.266141	-0.422954	44.93	3.00	47.93
5	52.267034	-0.422525	43.57	3.00	46.57
6	52.266141	-0.418405	41.92	3.00	44.92
7	52.267061	-0.417805	40.58	3.00	43.58
8	52.267402	-0.419607	41.00	3.00	44.00
9	52.267901	-0.419435	40.35	3.00	43.35
10	52.267691	-0.418577	40.40	3.00	43.40
11	52.267927	-0.417848	40.00	3.00	43.00
12	52.267192	-0.416217	40.45	3.00	43.45

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	52.254175	-0.425183	54.91	2.00	56.91
OP 2	52.253230	-0.425183	59.73	2.00	61.73
OP 3	52.252750	-0.425151	61.57	2.00	63.57
OP 4	52.252212	-0.424722	64.38	2.00	66.38
OP 5	52.251680	-0.424314	67.90	2.00	69.90
OP 6	52.251726	-0.423295	67.86	2.00	69.86
OP 7	52.251088	-0.422683	67.14	2.00	69.14
OP 8	52.250602	-0.423413	68.44	2.00	70.44
OP 9	52.249919	-0.422855	66.28	2.00	68.28
OP 10	52.250675	-0.427318	72.37	2.00	74.37
OP 11	52.250464	-0.428144	74.78	2.00	76.78
OP 12	52.250110	-0.428369	75.60	2.00	77.60
OP 13	52.248822	-0.428820	73.00	2.00	75.00
OP 14	52.249512	-0.422388	64.88	2.00	66.88
OP 15	52.248642	-0.421803	61.89	2.00	63.89
OP 16	52.248166	-0.421423	60.41	2.00	62.41
OP 17	52.249955	-0.417818	55.49	2.00	57.49
OP 18	52.245837	-0.419298	59.82	2.00	61.82
OP 19	52.245338	-0.400330	76.00	2.00	78.00
OP 20	52.245049	-0.402905	76.15	2.00	78.15
OP 21	52.244044	-0.404525	78.00	2.00	80.00
OP 22	52.243025	-0.404085	78.57	2.00	80.57
OP 23	52.242769	-0.405447	78.50	2.00	80.50
OP 24	52.241752	-0.406293	79.44	2.00	81.44
OP 25	52.249707	-0.390532	66.75	2.00	68.75
OP 26	52.250167	-0.389534	66.00	2.00	68.00
OP 27	52.249727	-0.389523	66.00	2.00	68.00
OP 28	52.250384	-0.388939	65.43	2.00	67.43
OP 29	52.248009	-0.380763	67.01	2.00	69.01
OP 30	52.248568	-0.381504	66.61	2.00	68.61
OP 31	52.249720	-0.382915	64.48	2.00	66.48
OP 32	52.250246	-0.383907	63.95	2.00	65.95
OP 33	52.250712	-0.382496	63.06	2.00	65.06
OP 34	52.251369	-0.382169	63.72	2.00	65.72
OP 35	52.251530	-0.382941	64.75	2.00	66.75
OP 36	52.252128	-0.382319	65.47	2.00	67.47
OP 37	52.252889	-0.384352	64.41	2.00	66.41
OP 38	52.253458	-0.382249	63.77	2.00	65.77
OP 39	52.253608	-0.384293	61.83	2.00	63.83
OP 40	52.254229	-0.384760	56.13	2.00	58.13
OP 41	52.254824	-0.385360	51.15	2.00	53.15
OP 42	52.255461	-0.386192	47.88	2.00	49.88
OP 43	52.256318	-0.386272	43.65	2.00	45.65
OP 44	52.255874	-0.387817	43.24	2.00	45.24
OP 45	52.256058	-0.389405	41.60	2.00	43.60
OP 46	52.256433	-0.390274	41.43	2.00	43.43
OP 47	52.255920	-0.391036	42.80	2.00	44.80
OP 48	52.256357	-0.391996	42.16	2.00	44.16
OP 49	52.257831	-0.398197	42.92	2.00	44.92
OP 50	52.257838	-0.397811	42.36	2.00	44.36
OP 51	52.261361	-0.394094	37.00	2.00	39.00
OP 52	52.262881	-0.394179	37.00	2.00	39.00
OP 53	52.265895	-0.393477	32.05	2.00	34.05
OP 54	52.275139	-0.397878	58.53	2.00	60.53
OP 55	52.274532	-0.395754	55.80	2.00	57.80
OP 56	52.272474	-0.400212	40.51	2.00	42.51
OP 57	52.272332	-0.399852	40.75	2.00	42.75
OP 58	52.272425	-0.399408	42.31	2.00	44.31

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
PV array 1	15.0	180.0	25,410	0	-	-
PV array 10	15.0	180.0	64,415	0	-	-
PV array 11	15.0	180.0	33,522	24	-	-
PV array 12	15.0	180.0	8,248	0	-	-
PV array 2	25.0	180.0	9,730	0	-	-
PV array 3	15.0	180.0	70,118	283	-	-
PV array 4	15.0	180.0	76,012	0	-	-
PV array 5	15.0	180.0	24,118	0	-	-
PV array 6	15.0	180.0	36,221	10,408	-	-
PV array 7	15.0	180.0	65,026	57,832	-	-
PV array 8	15.0	180.0	30,966	0	-	-
PV array 9	15.0	180.0	16,759	0	-	-

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pv-array-1 (green)	0	0	182	465	470	21	308	490	346	0	0	0
pv-array-1 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-10 (green)	0	0	17	393	669	618	659	561	97	0	0	0
pv-array-10 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-11 (green)	0	0	210	674	590	592	603	656	439	0	0	0
pv-array-11 (yellow)	0	0	0	5	0	0	0	3	0	0	0	0
pv-array-12 (green)	0	0	4	476	527	519	522	536	145	0	0	0
pv-array-12 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-2 (green)	0	0	31	309	65	0	0	269	133	0	0	0
pv-array-2 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-3 (green)	0	0	33	416	552	542	555	522	130	0	0	0
pv-array-3 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-4 (green)	0	0	44	453	619	596	616	576	150	0	0	0
pv-array-4 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-5 (green)	0	0	133	404	520	539	545	455	273	0	0	0
pv-array-5 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-6 (green)	0	0	167	533	896	1139	1086	607	348	0	0	0
pv-array-6 (yellow)	0	0	12	557	1286	1388	1387	886	104	0	0	0
pv-array-7 (green)	0	0	492	1480	1508	1383	1409	1605	978	0	0	0
pv-array-7 (yellow)	0	0	0	160	478	712	637	256	8	0	0	0
pv-array-8 (green)	0	0	138	521	588	634	624	549	316	0	0	0
pv-array-8 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-9 (green)	0	0	98	448	500	545	520	477	251	0	0	0
pv-array-9 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

PV array 1 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	326	0
OP: OP 5	469	0
OP: OP 6	456	0
OP: OP 7	435	0
OP: OP 8	511	0
OP: OP 9	366	0
OP: OP 10	540	0
OP: OP 11	499	0
OP: OP 12	578	0
OP: OP 13	498	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	911	0
OP: OP 20	963	0
OP: OP 21	1005	0
OP: OP 22	946	0
OP: OP 23	847	0
OP: OP 24	993	0
OP: OP 25	897	0
OP: OP 26	914	0
OP: OP 27	797	0
OP: OP 28	749	0
OP: OP 29	1318	0
OP: OP 30	1242	0
OP: OP 31	1104	0
OP: OP 32	959	0
OP: OP 33	1062	0
OP: OP 34	1002	0
OP: OP 35	1013	0
OP: OP 36	1006	0
OP: OP 37	788	0
OP: OP 38	869	0
OP: OP 39	831	0
OP: OP 40	516	0
OP: OP 41	0	0
OP: OP 42	0	0

OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

PV array 1: OP 1

No glare found

PV array 1: OP 2

No glare found

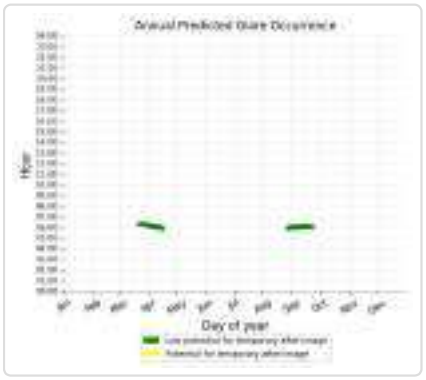
PV array 1: OP 3

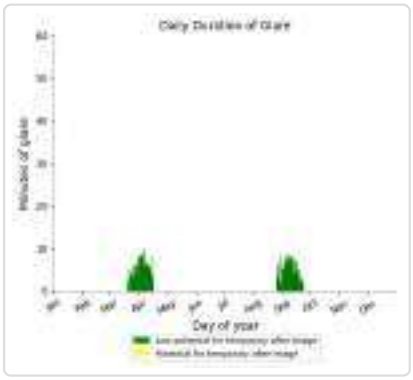
No glare found

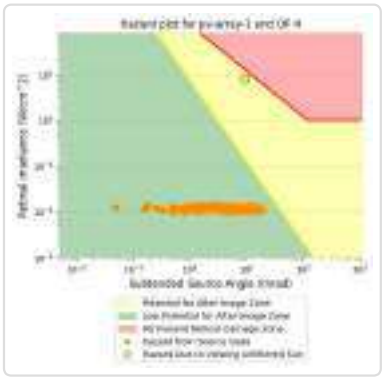
PV array 1: OP 4

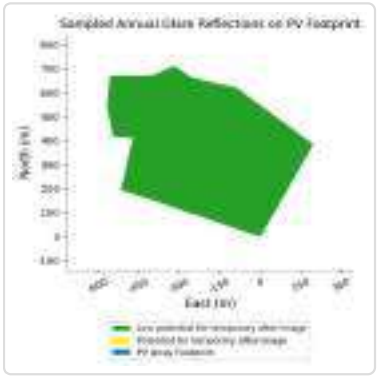
PV array is expected to produce the following glare for this receptor:

- 326 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





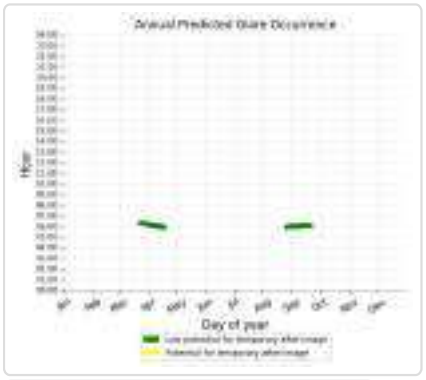


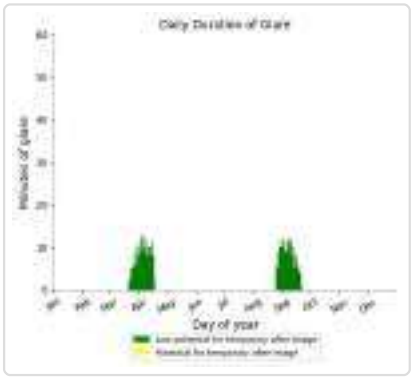


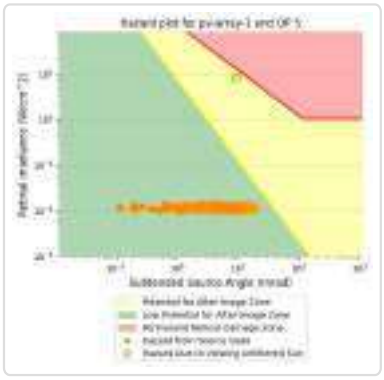
PV array 1: OP 5

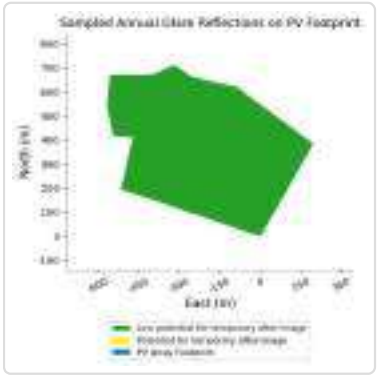
PV array is expected to produce the following glare for this receptor:

- 469 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





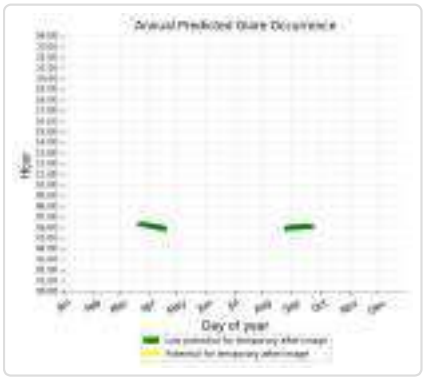


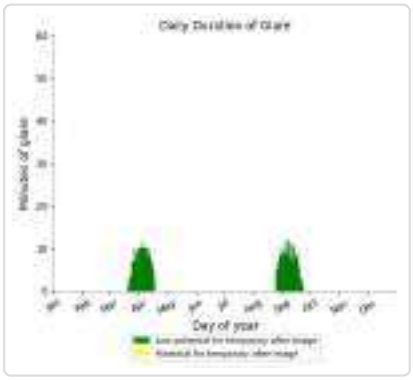


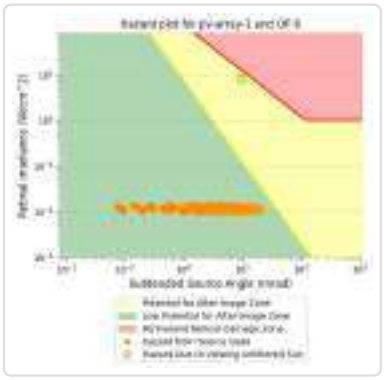
PV array 1: OP 6

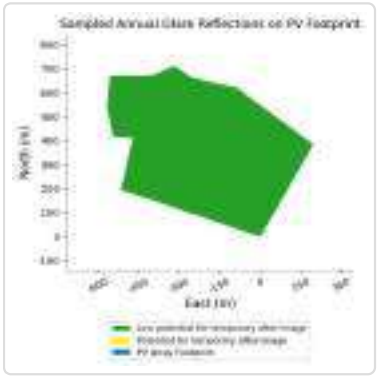
PV array is expected to produce the following glare for this receptor:

- 456 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





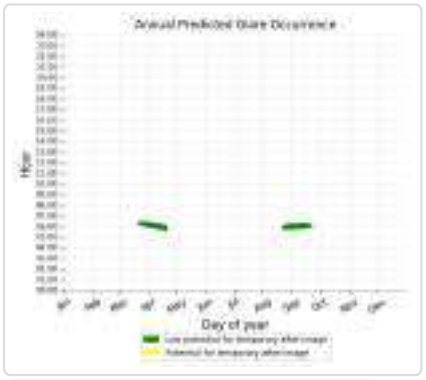


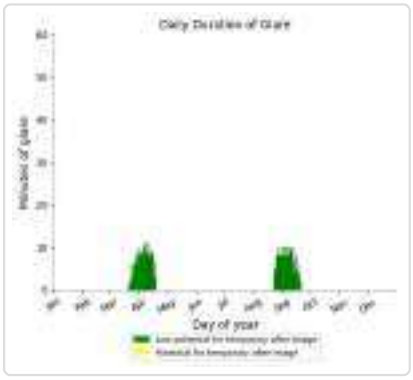


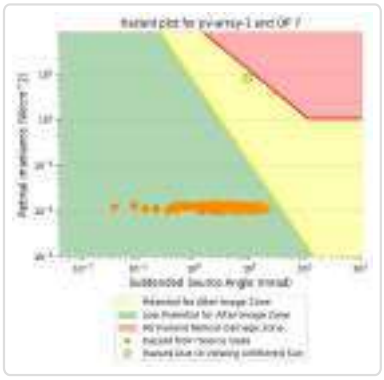
PV array 1: OP 7

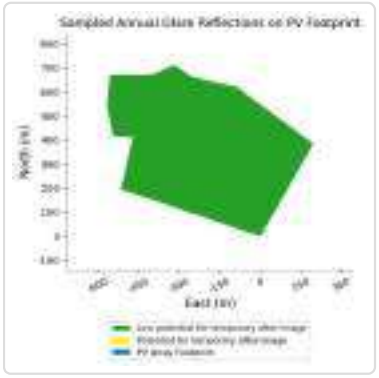
PV array is expected to produce the following glare for this receptor:

- 435 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





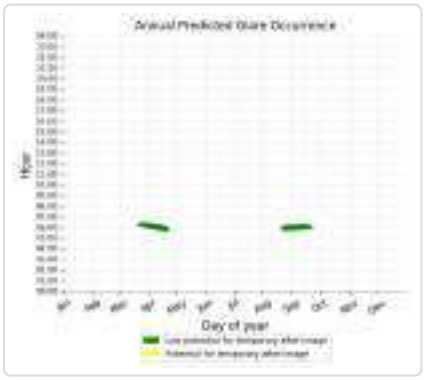


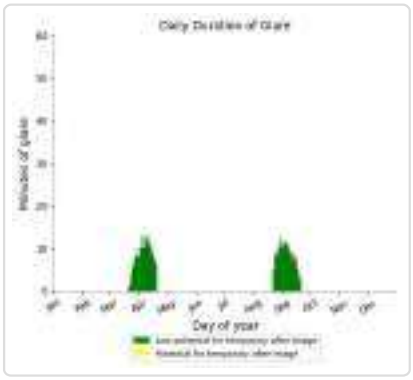


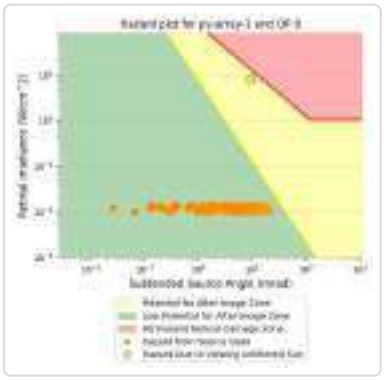
PV array 1: OP 8

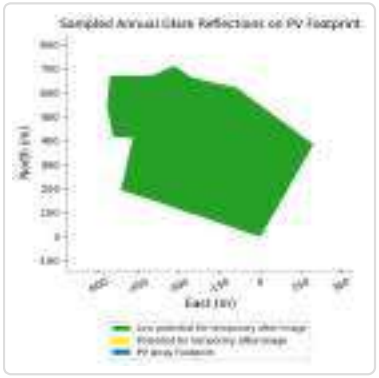
PV array is expected to produce the following glare for this receptor:

- 511 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





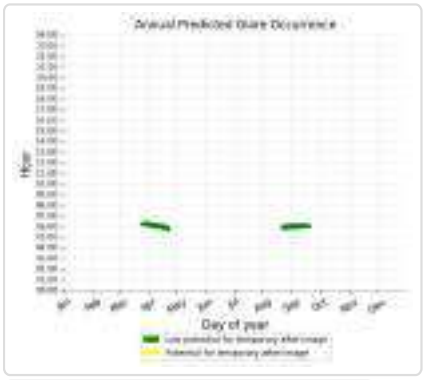


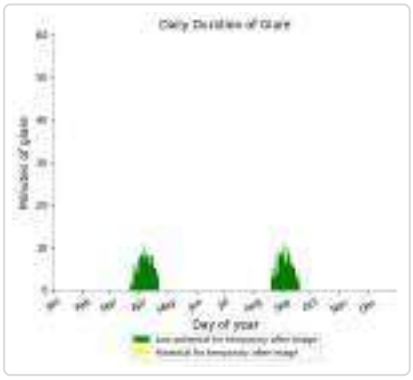


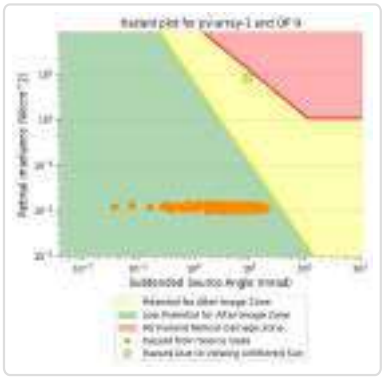
PV array 1: OP 9

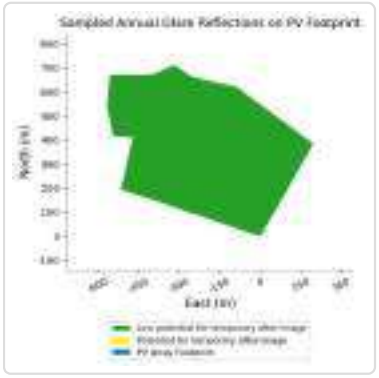
PV array is expected to produce the following glare for this receptor:

- 366 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





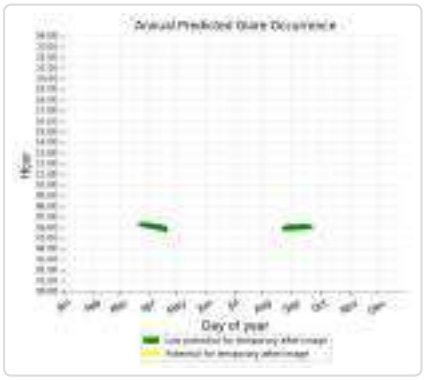


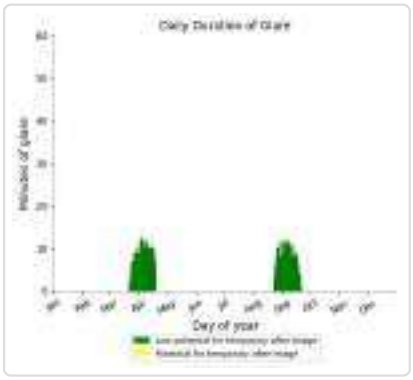


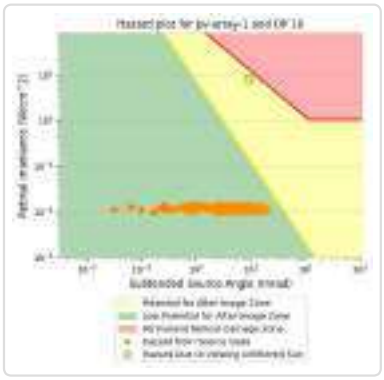
PV array 1: OP 10

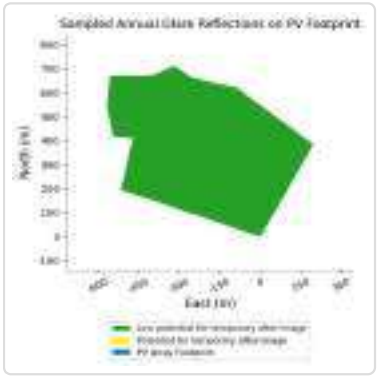
PV array is expected to produce the following glare for this receptor:

- 540 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





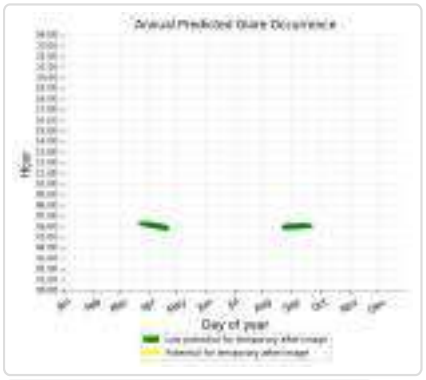


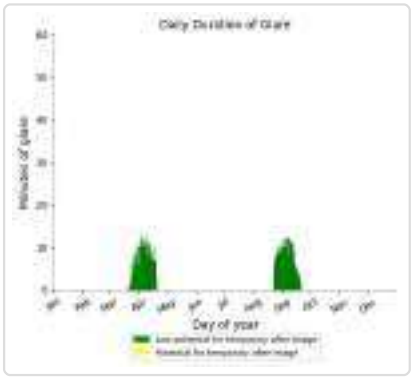


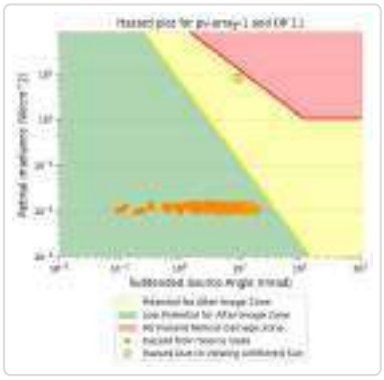
PV array 1: OP 11

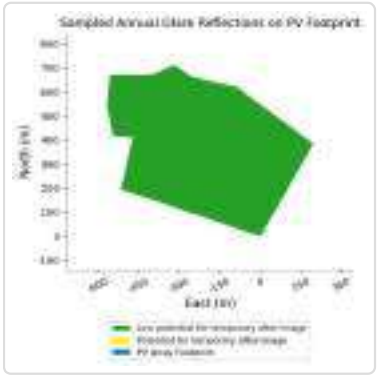
PV array is expected to produce the following glare for this receptor:

- 499 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





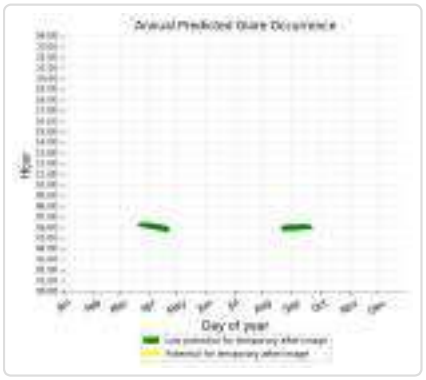


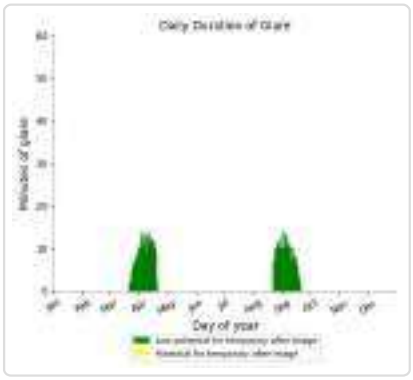


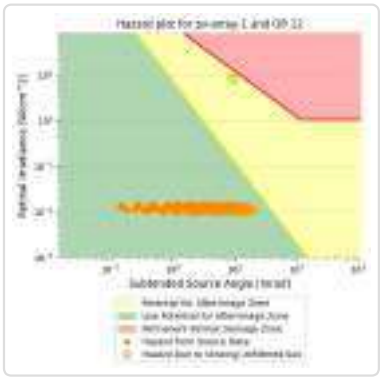
PV array 1: OP 12

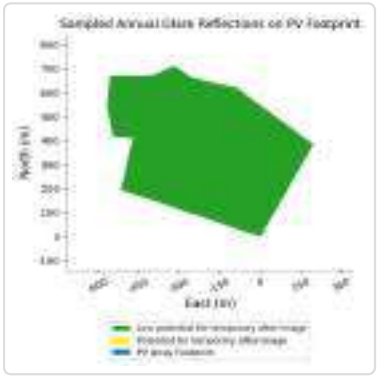
PV array is expected to produce the following glare for this receptor:

- 578 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





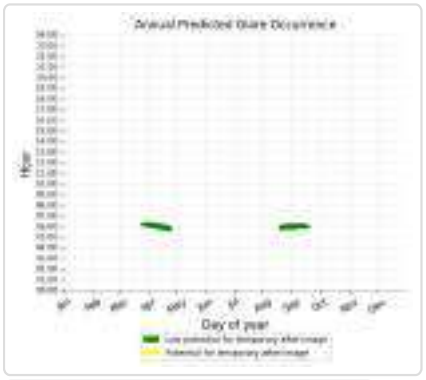


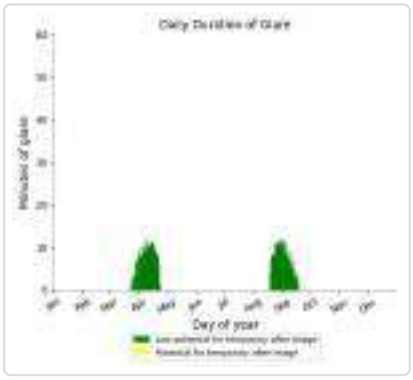


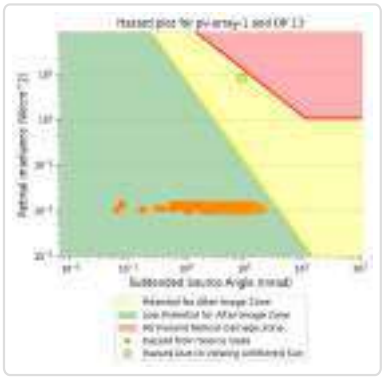
PV array 1: OP 13

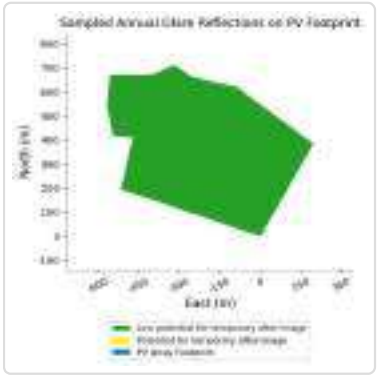
PV array is expected to produce the following glare for this receptor:

- 498 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 1: OP 14

No glare found

PV array 1: OP 15

No glare found

PV array 1: OP 16

No glare found

PV array 1: OP 17

No glare found

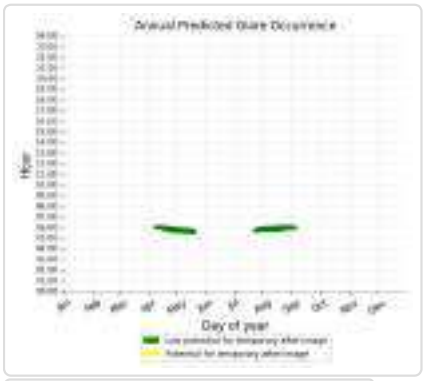
PV array 1: OP 18

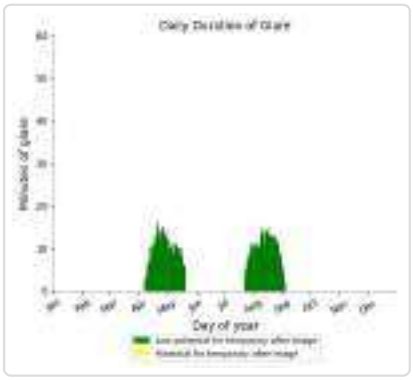
No glare found

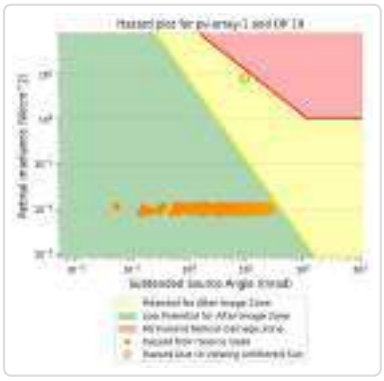
PV array 1: OP 19

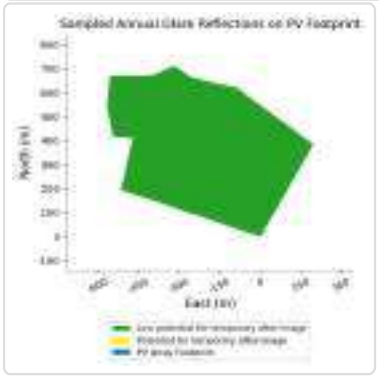
PV array is expected to produce the following glare for this receptor:

- 911 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





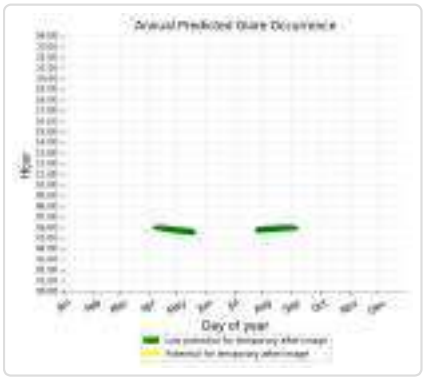


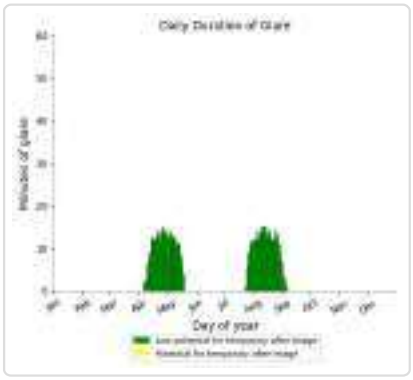


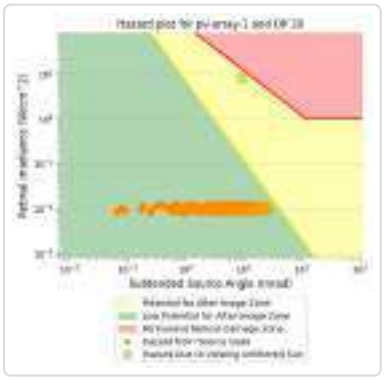
PV array 1: OP 20

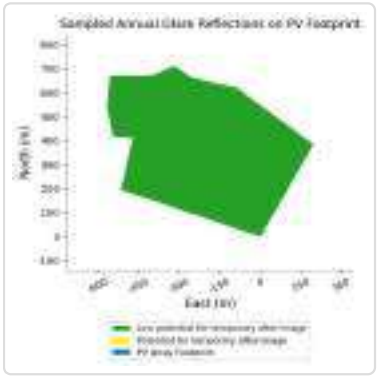
PV array is expected to produce the following glare for this receptor:

- 963 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





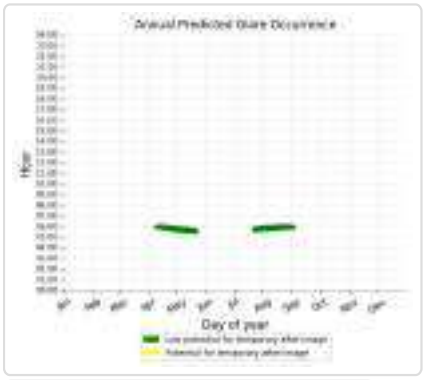


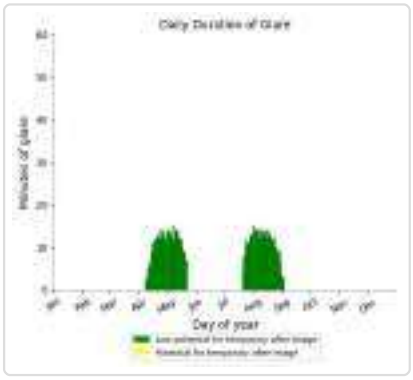


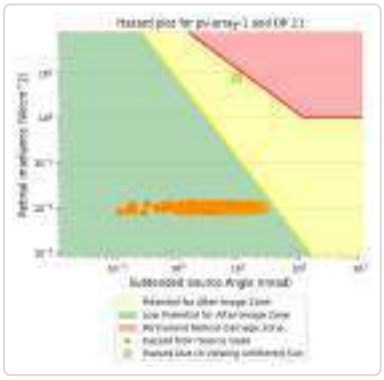
PV array 1: OP 21

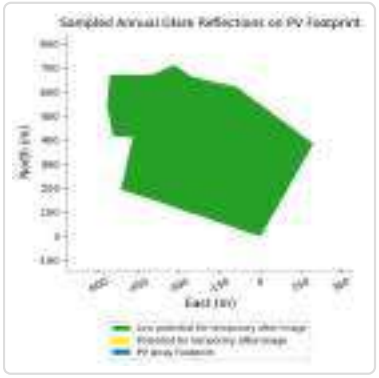
PV array is expected to produce the following glare for this receptor:

- 1,005 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





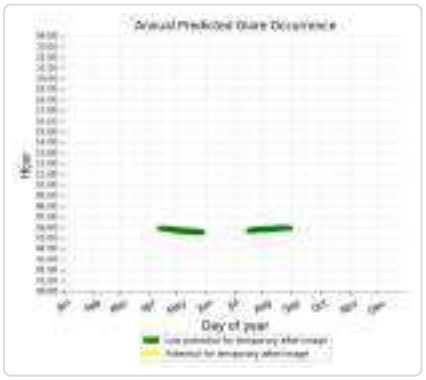


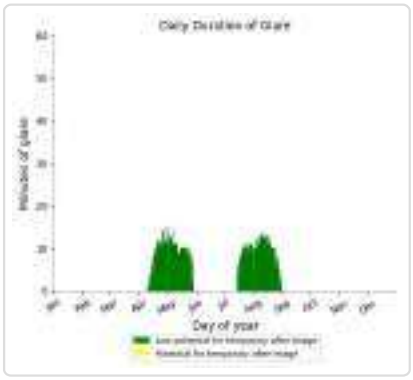


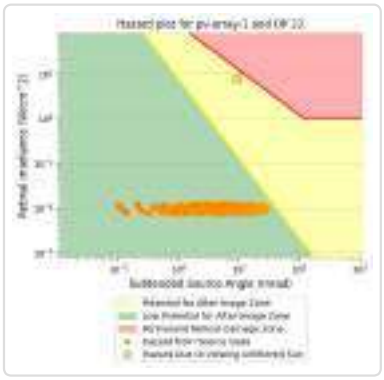
PV array 1: OP 22

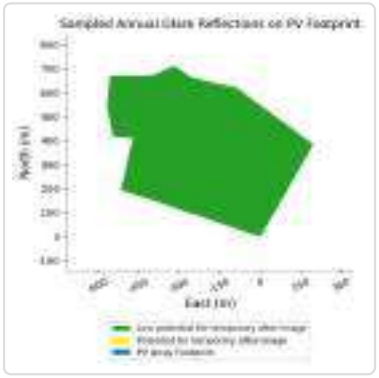
PV array is expected to produce the following glare for this receptor:

- 946 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





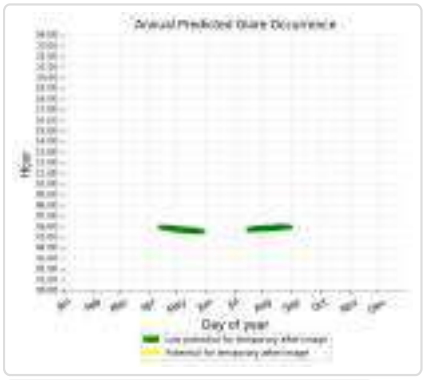


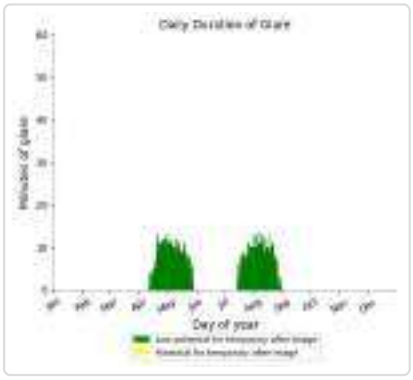


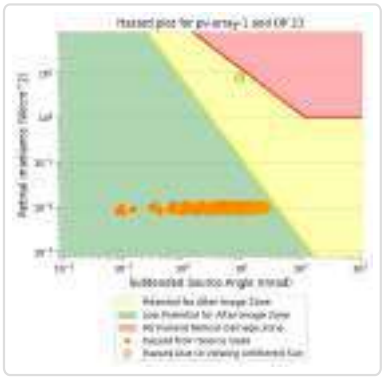
PV array 1: OP 23

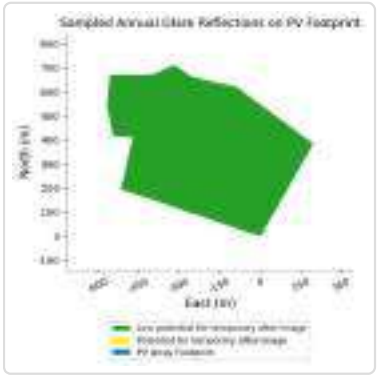
PV array is expected to produce the following glare for this receptor:

- 847 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





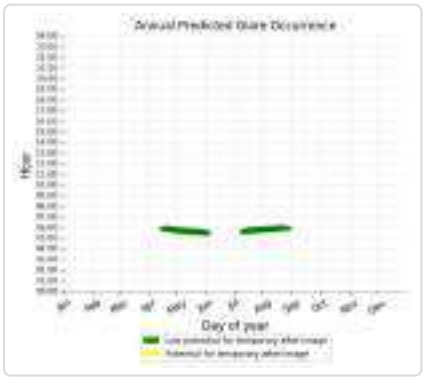


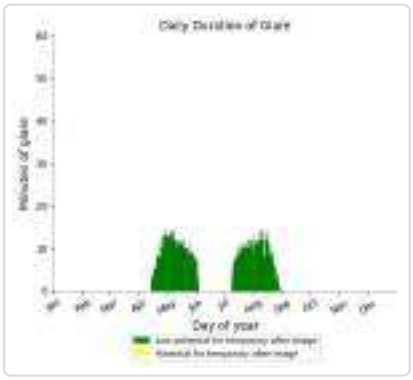


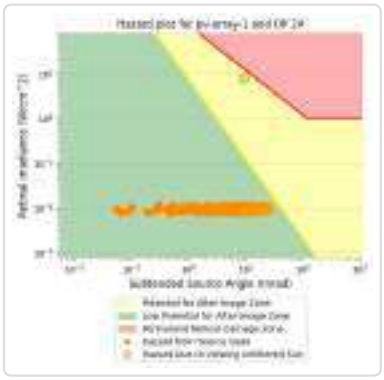
PV array 1: OP 24

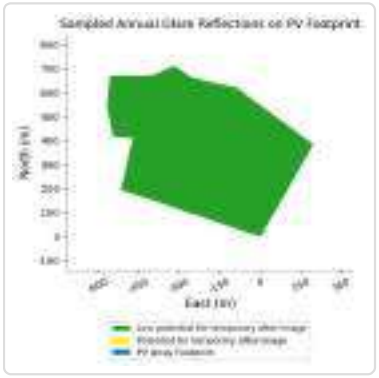
PV array is expected to produce the following glare for this receptor:

- 993 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





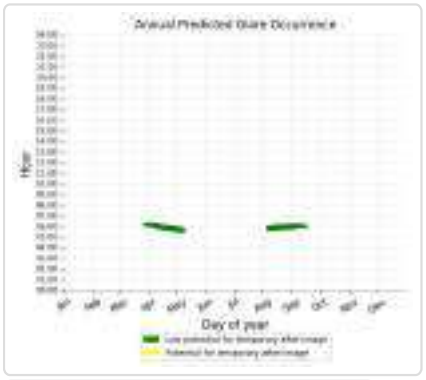


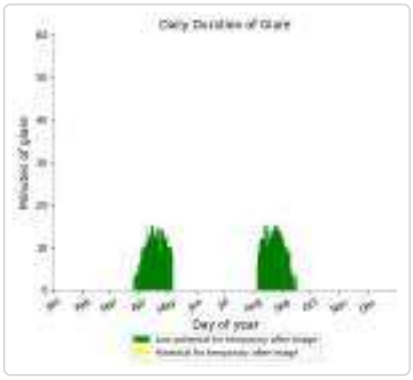


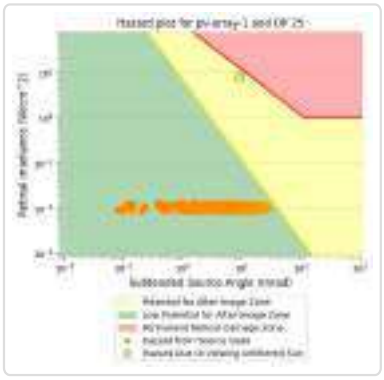
PV array 1: OP 25

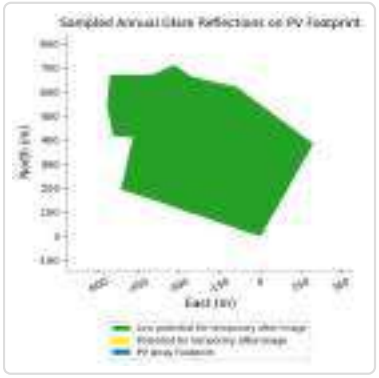
PV array is expected to produce the following glare for this receptor:

- 897 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





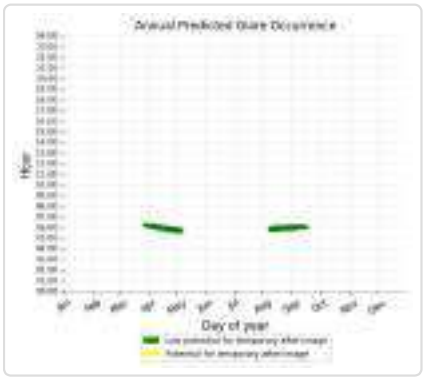


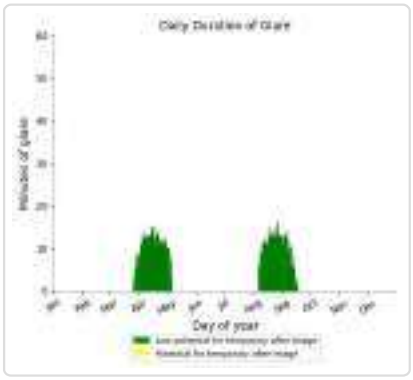


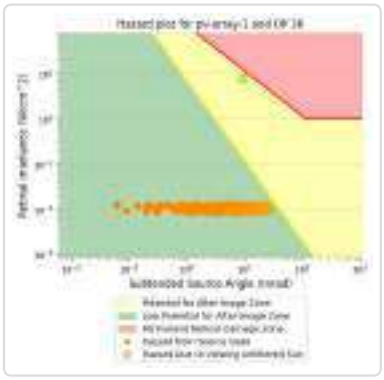
PV array 1: OP 26

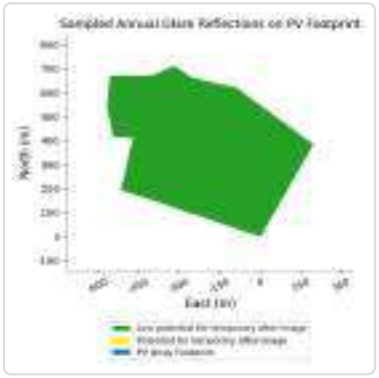
PV array is expected to produce the following glare for this receptor:

- 914 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





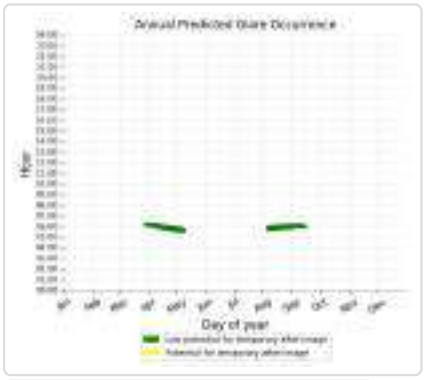


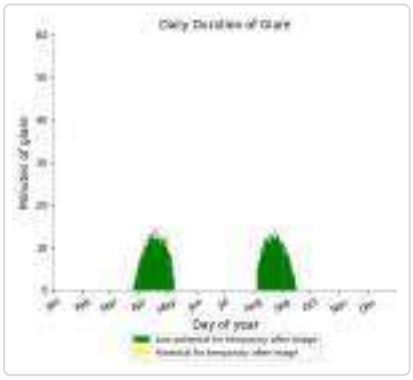


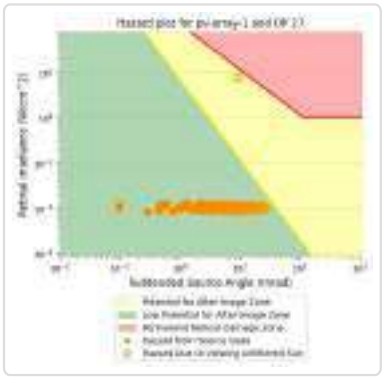
PV array 1: OP 27

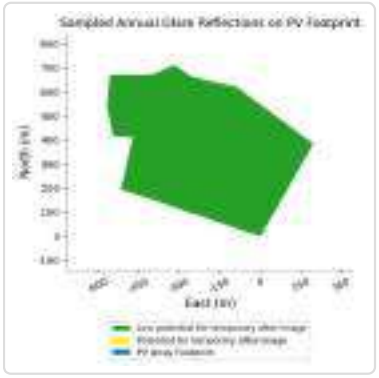
PV array is expected to produce the following glare for this receptor:

- 797 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





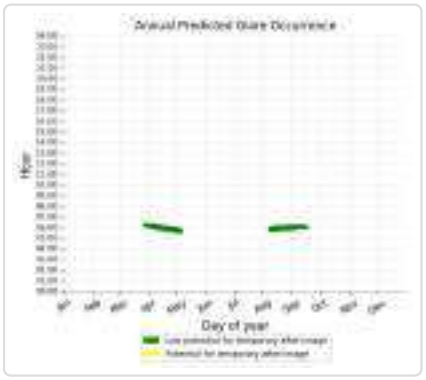


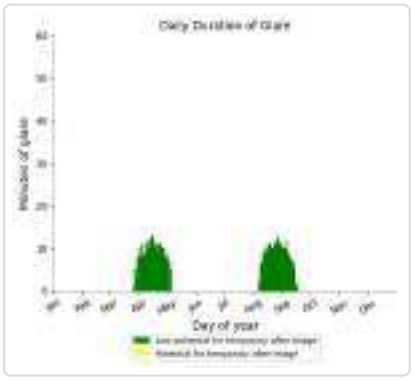


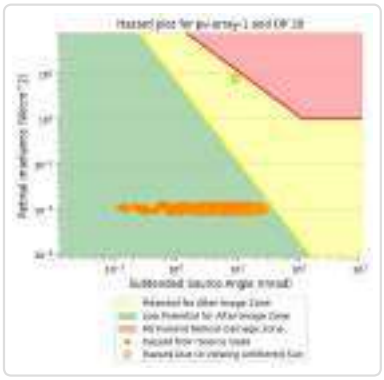
PV array 1: OP 28

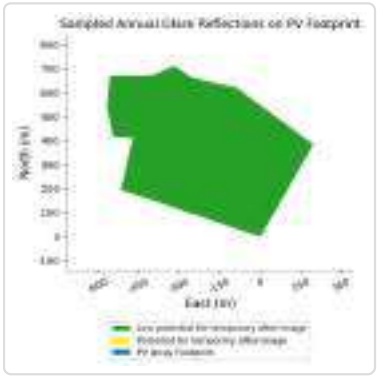
PV array is expected to produce the following glare for this receptor:

- 749 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





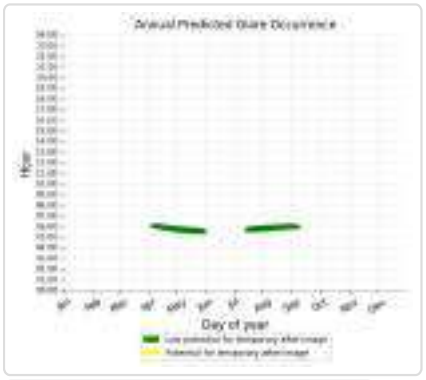


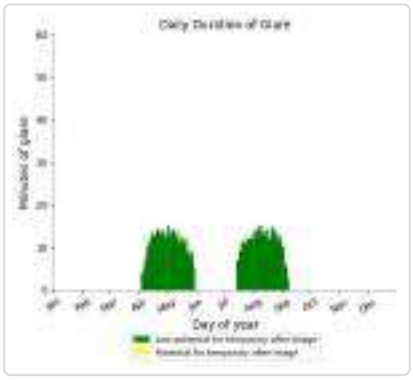


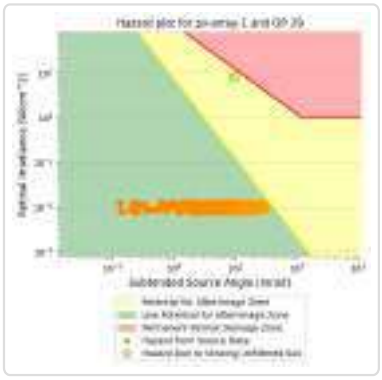
PV array 1: OP 29

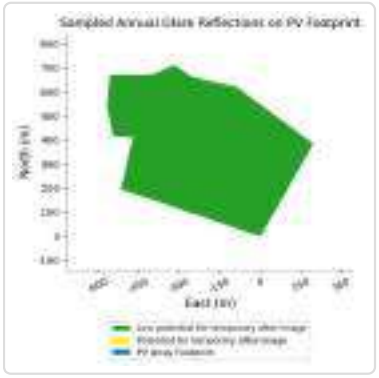
PV array is expected to produce the following glare for this receptor:

- 1,318 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





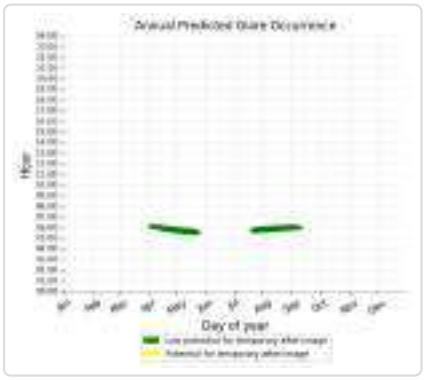


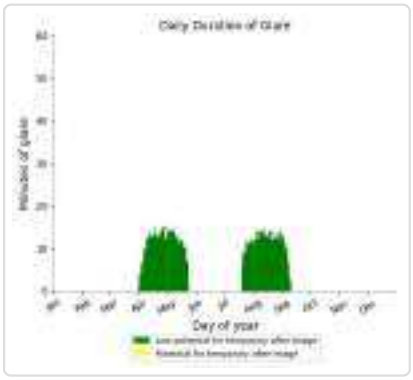


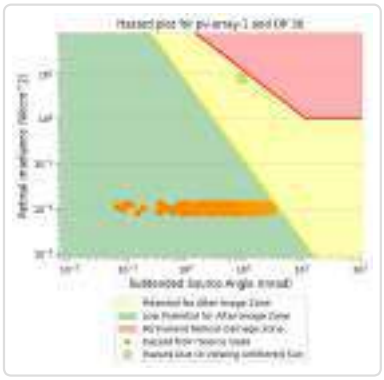
PV array 1: OP 30

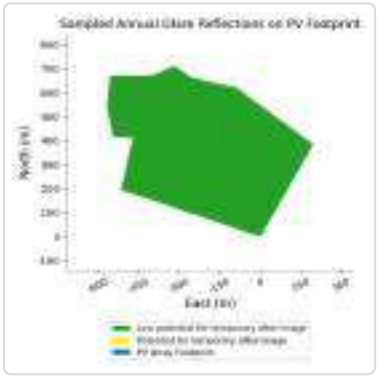
PV array is expected to produce the following glare for this receptor:

- 1,242 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





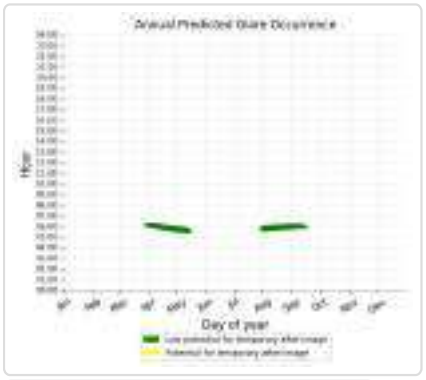


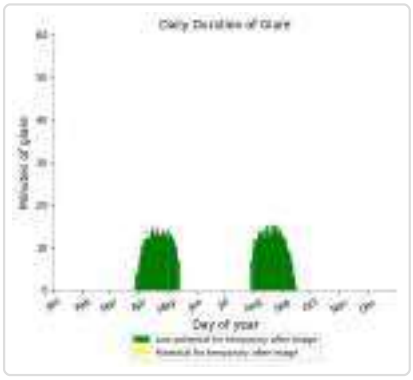


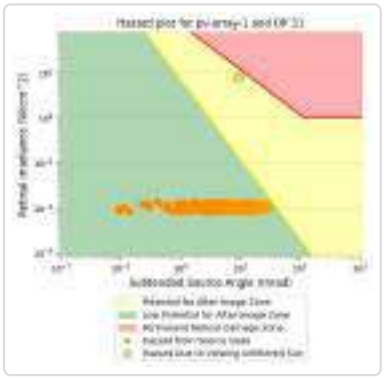
PV array 1: OP 31

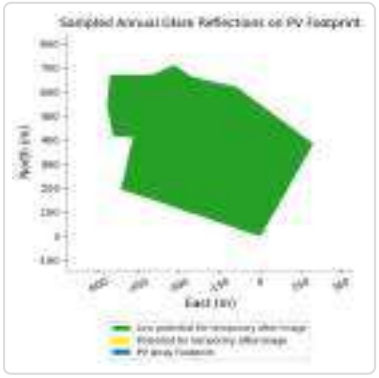
PV array is expected to produce the following glare for this receptor:

- 1,104 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





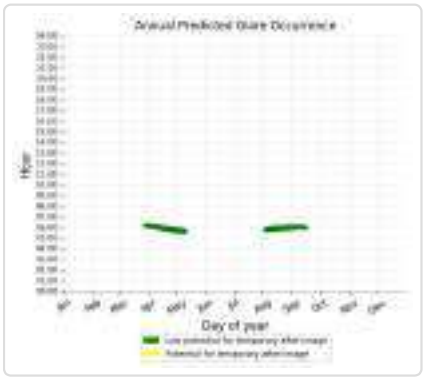


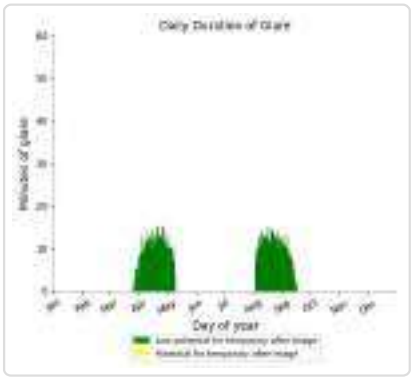


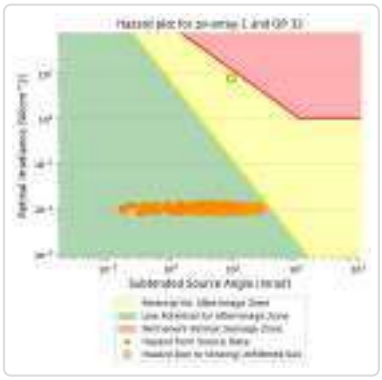
PV array 1: OP 32

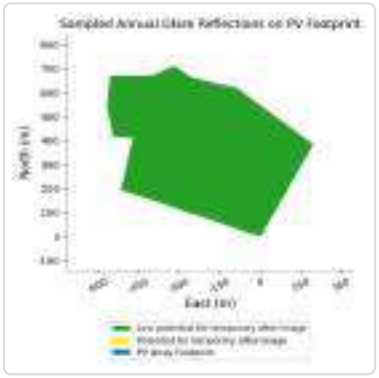
PV array is expected to produce the following glare for this receptor:

- 959 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





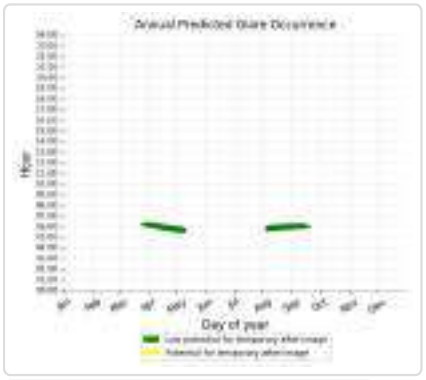


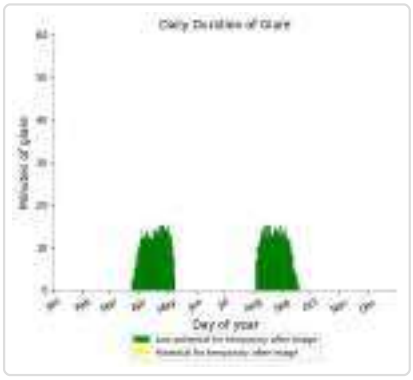


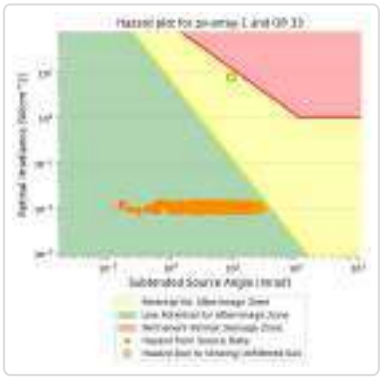
PV array 1: OP 33

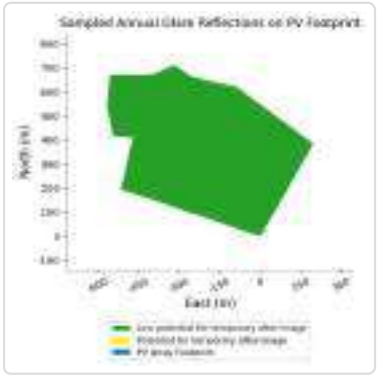
PV array is expected to produce the following glare for this receptor:

- 1,062 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





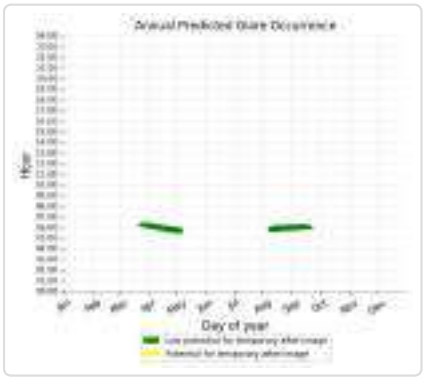


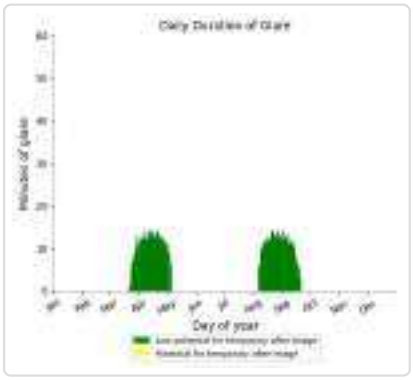


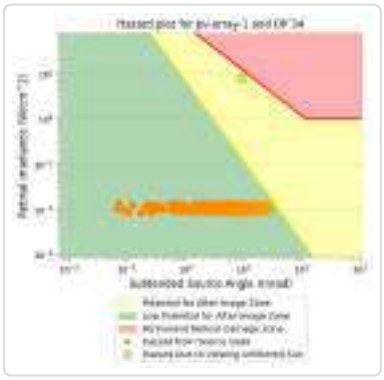
PV array 1: OP 34

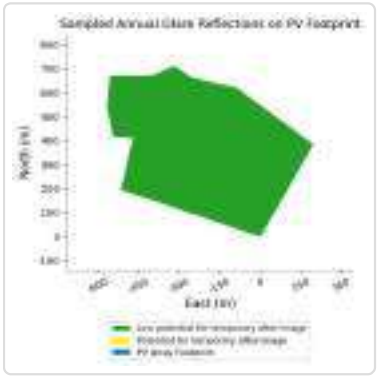
PV array is expected to produce the following glare for this receptor:

- 1,002 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





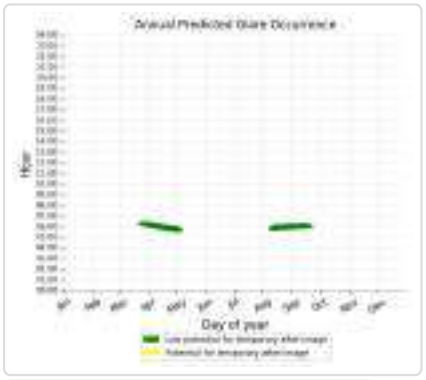


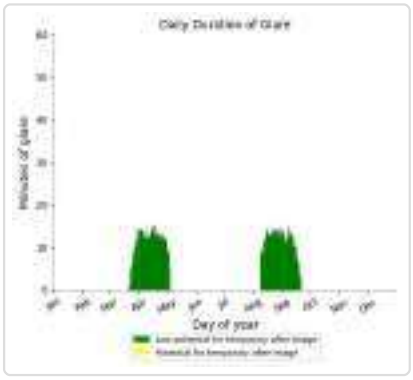


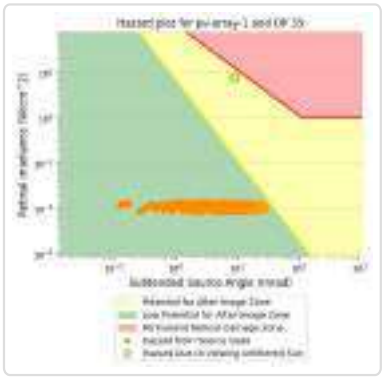
PV array 1: OP 35

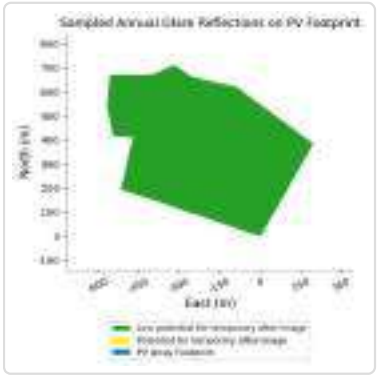
PV array is expected to produce the following glare for this receptor:

- 1,013 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





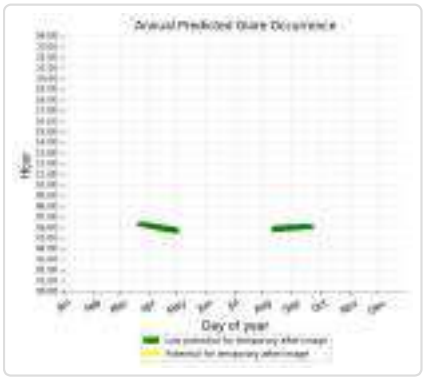


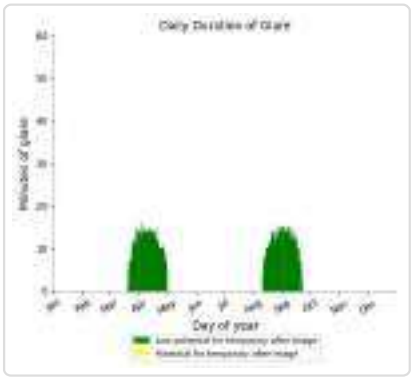


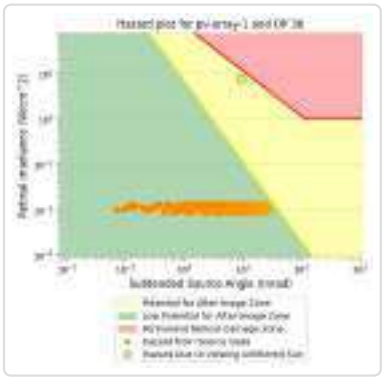
PV array 1: OP 36

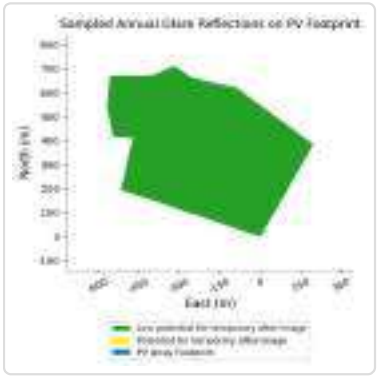
PV array is expected to produce the following glare for this receptor:

- 1,006 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





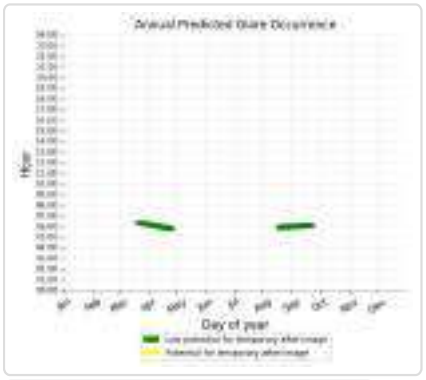


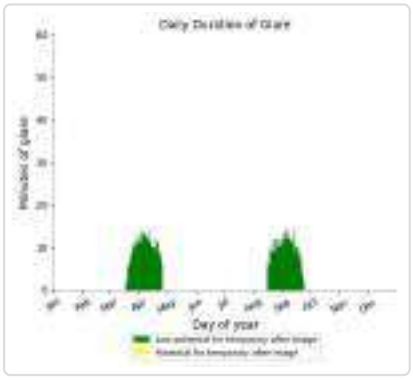


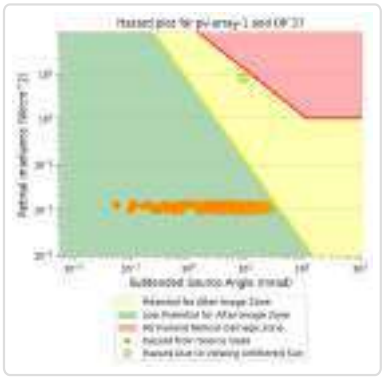
PV array 1: OP 37

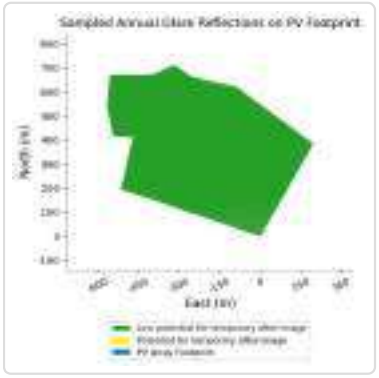
PV array is expected to produce the following glare for this receptor:

- 788 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





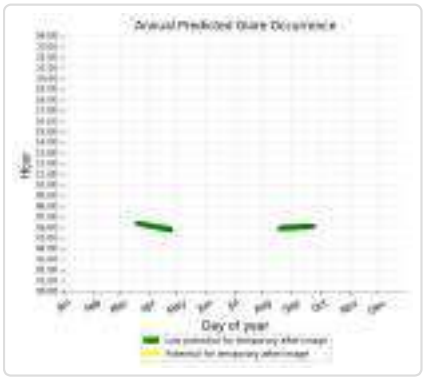


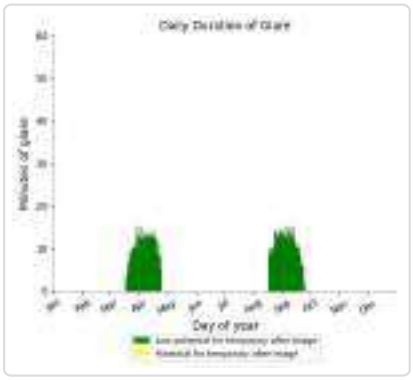


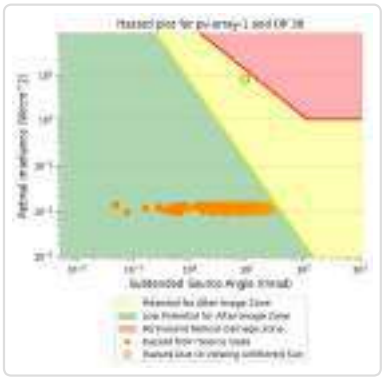
PV array 1: OP 38

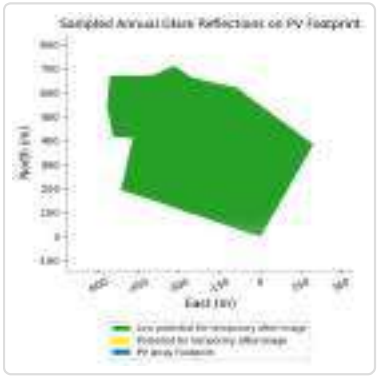
PV array is expected to produce the following glare for this receptor:

- 869 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





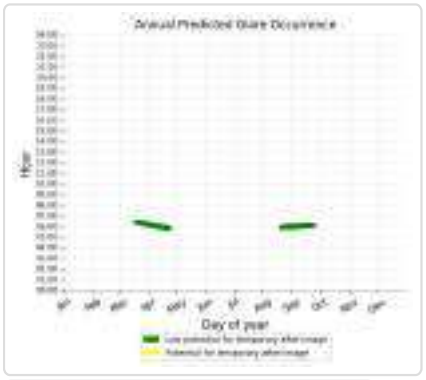


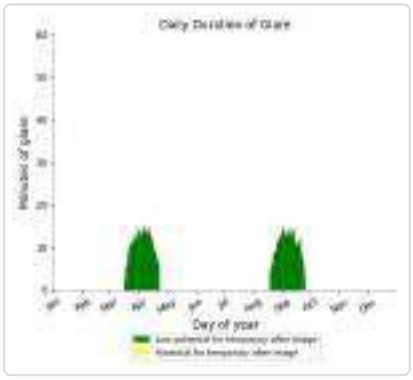


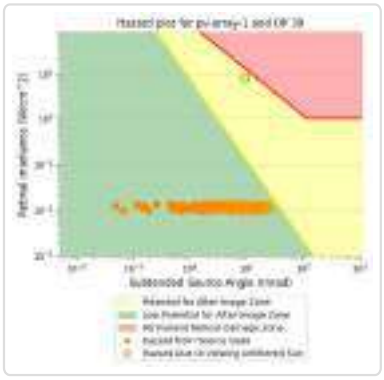
PV array 1: OP 39

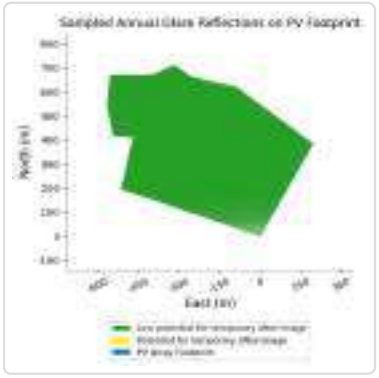
PV array is expected to produce the following glare for this receptor:

- 831 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





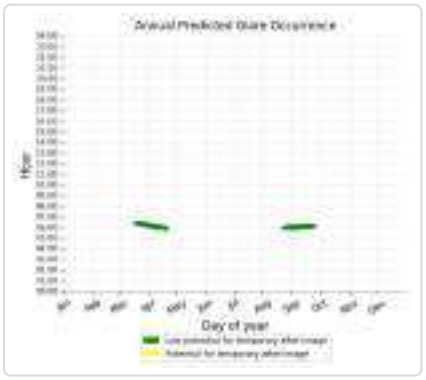


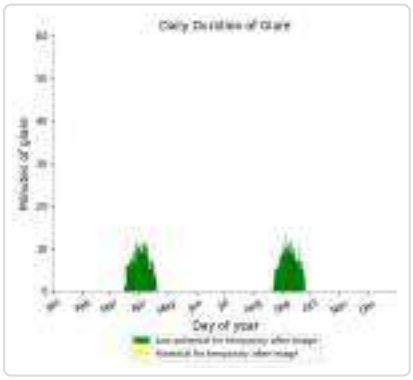


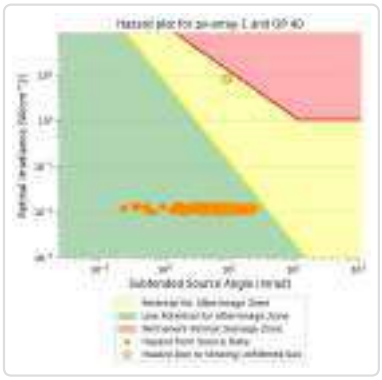
PV array 1: OP 40

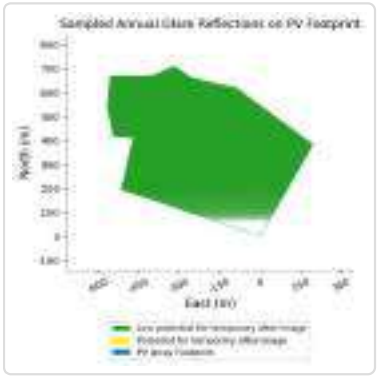
PV array is expected to produce the following glare for this receptor:

- 516 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 1: OP 41

No glare found

PV array 1: OP 42

No glare found

PV array 1: OP 43

No glare found

PV array 1: OP 44

No glare found

PV array 1: OP 45

No glare found

PV array 1: OP 46

No glare found

PV array 1: OP 47

No glare found

PV array 1: OP 48

No glare found

PV array 1: OP 49
No glare found

PV array 1: OP 50
No glare found

PV array 1: OP 51
No glare found

PV array 1: OP 52
No glare found

PV array 1: OP 53
No glare found

PV array 1: OP 54
No glare found

PV array 1: OP 55
No glare found

PV array 1: OP 56
No glare found

PV array 1: OP 57
No glare found

PV array 1: OP 58
No glare found

PV array 10 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0

OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	2006	0
OP: OP 26	2117	0
OP: OP 27	2051	0
OP: OP 28	2177	0
OP: OP 29	2054	0
OP: OP 30	2118	0
OP: OP 31	2224	0
OP: OP 32	2290	0
OP: OP 33	2395	0
OP: OP 34	2443	0
OP: OP 35	2448	0
OP: OP 36	2506	0
OP: OP 37	2546	0
OP: OP 38	2479	0
OP: OP 39	2545	0
OP: OP 40	2544	0
OP: OP 41	2518	0
OP: OP 42	2424	0
OP: OP 43	2007	0
OP: OP 44	2432	0
OP: OP 45	2582	0
OP: OP 46	2490	0
OP: OP 47	2729	0
OP: OP 48	2684	0
OP: OP 49	2853	0
OP: OP 50	2819	0
OP: OP 51	1031	0
OP: OP 52	686	0
OP: OP 53	217	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

PV array 10: OP 1

No glare found

PV array 10: OP 2
No glare found

PV array 10: OP 3
No glare found

PV array 10: OP 4
No glare found

PV array 10: OP 5
No glare found

PV array 10: OP 6
No glare found

PV array 10: OP 7
No glare found

PV array 10: OP 8
No glare found

PV array 10: OP 9
No glare found

PV array 10: OP 10
No glare found

PV array 10: OP 11
No glare found

PV array 10: OP 12
No glare found

PV array 10: OP 13
No glare found

PV array 10: OP 14
No glare found

PV array 10: OP 15
No glare found

PV array 10: OP 16
No glare found

PV array 10: OP 17

No glare found

PV array 10: OP 18

No glare found

PV array 10: OP 19

No glare found

PV array 10: OP 20

No glare found

PV array 10: OP 21

No glare found

PV array 10: OP 22

No glare found

PV array 10: OP 23

No glare found

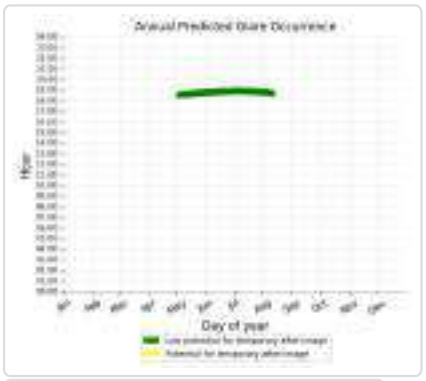
PV array 10: OP 24

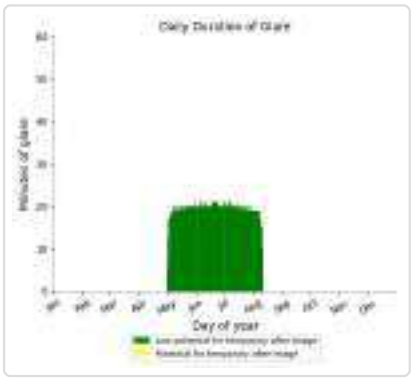
No glare found

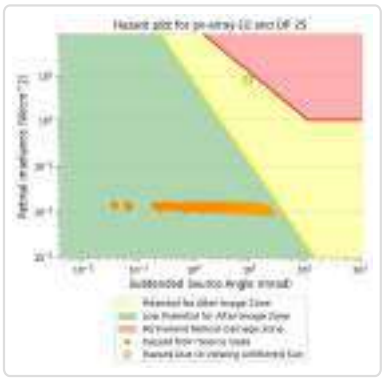
PV array 10: OP 25

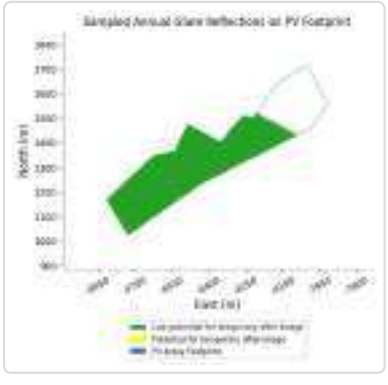
PV array is expected to produce the following glare for this receptor:

- 2,006 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





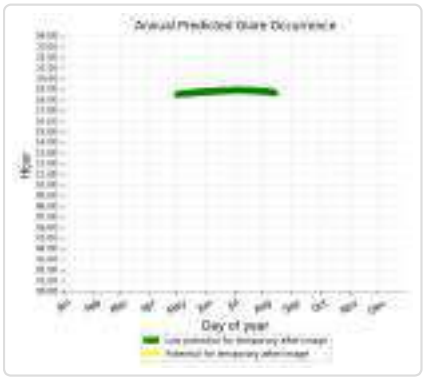


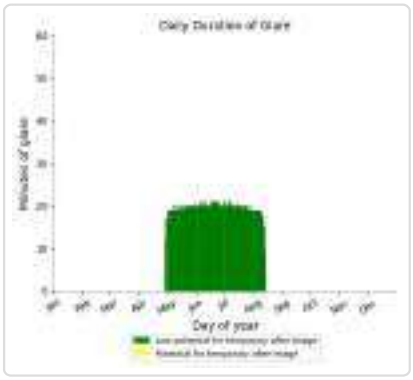


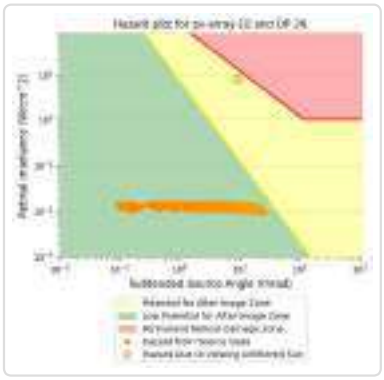
PV array 10: OP 26

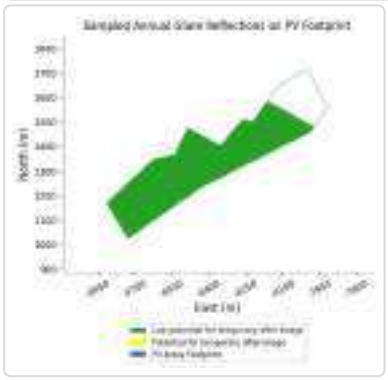
PV array is expected to produce the following glare for this receptor:

- 2,117 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





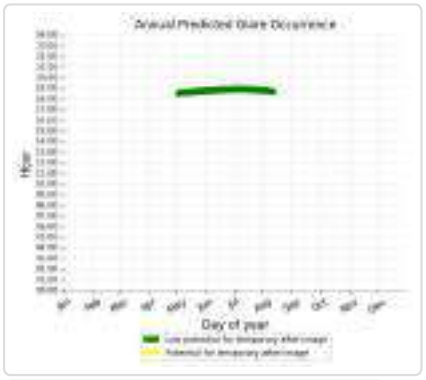


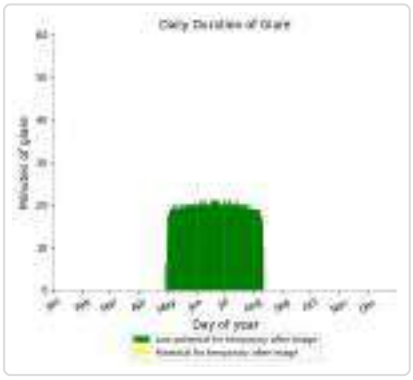


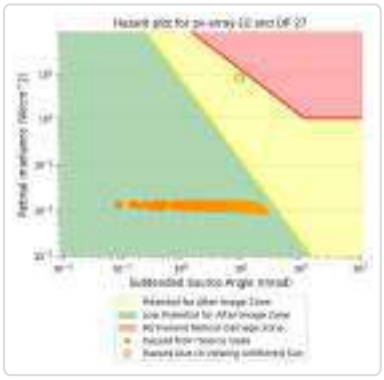
PV array 10: OP 27

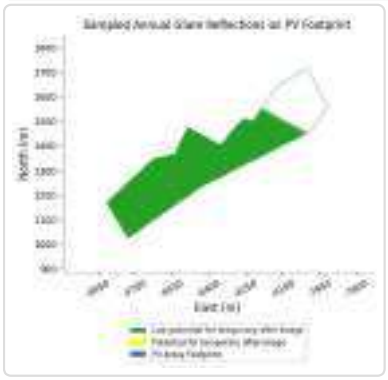
PV array is expected to produce the following glare for this receptor:

- 2,051 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





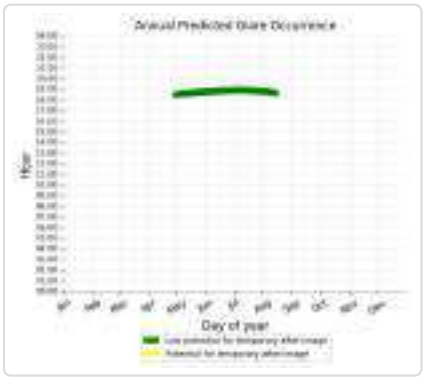


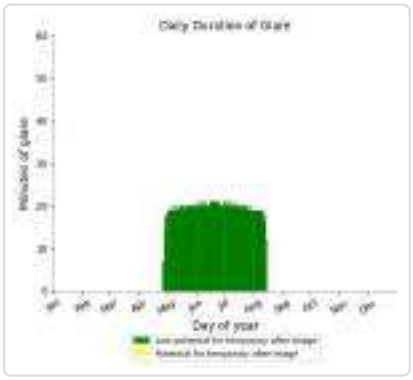


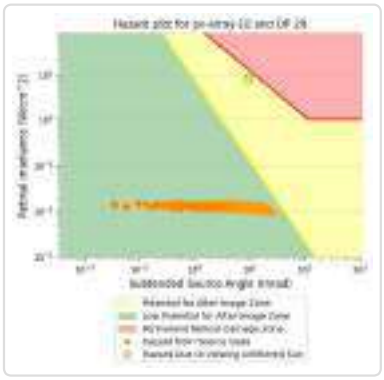
PV array 10: OP 28

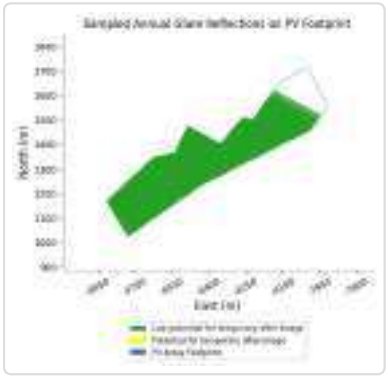
PV array is expected to produce the following glare for this receptor:

- 2,177 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





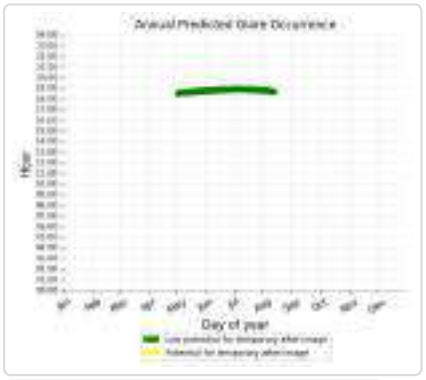


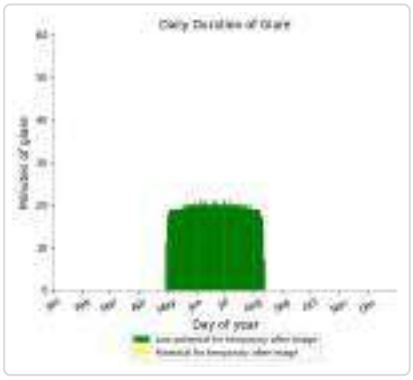


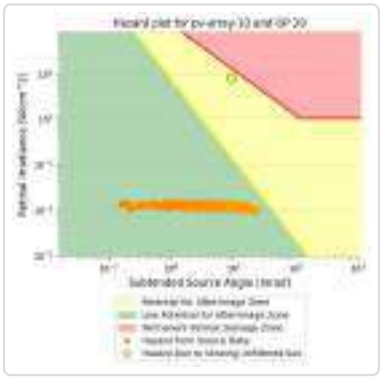
PV array 10: OP 29

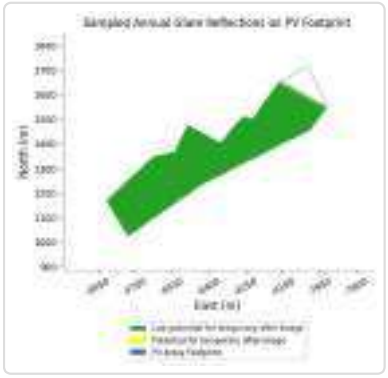
PV array is expected to produce the following glare for this receptor:

- 2,054 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





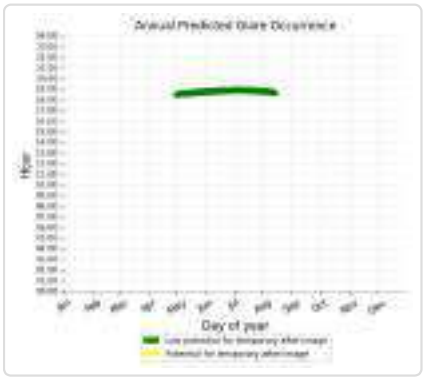


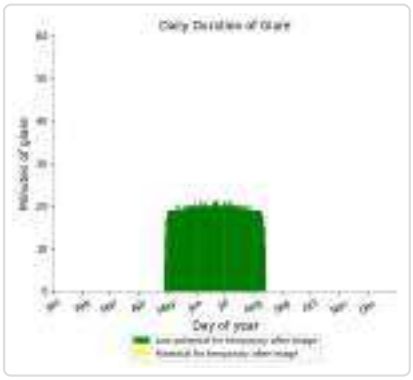


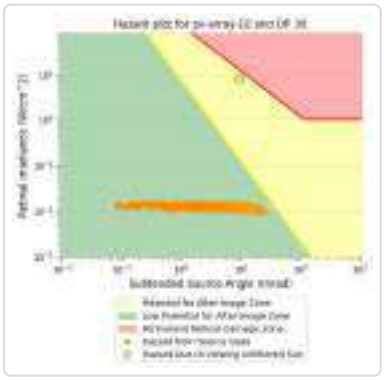
PV array 10: OP 30

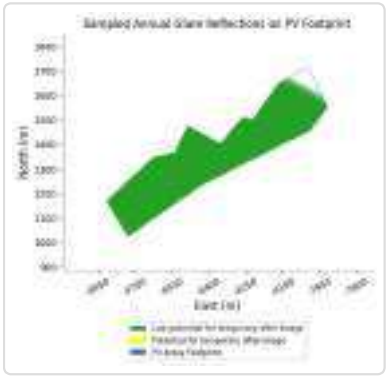
PV array is expected to produce the following glare for this receptor:

- 2,118 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





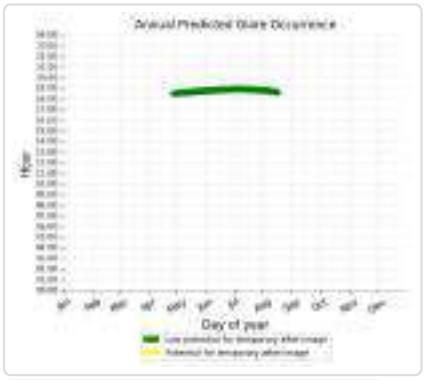


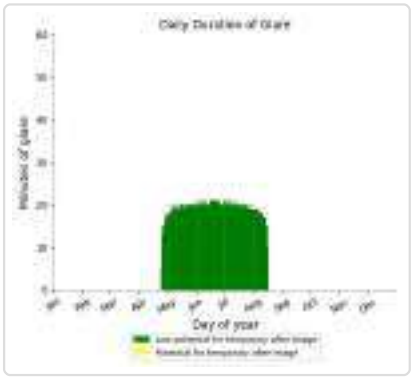


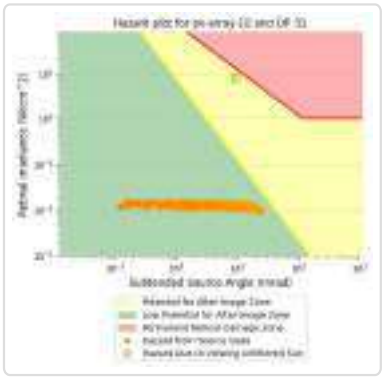
PV array 10: OP 31

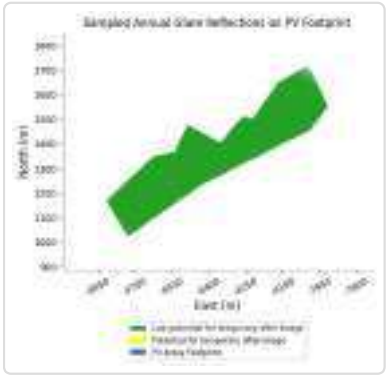
PV array is expected to produce the following glare for this receptor:

- 2,224 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





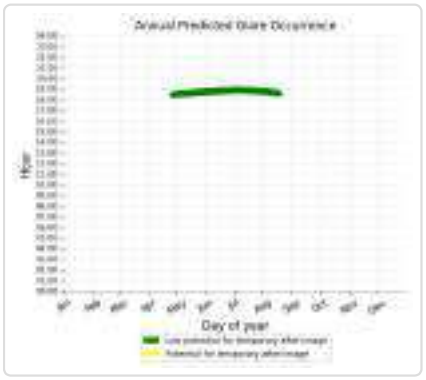


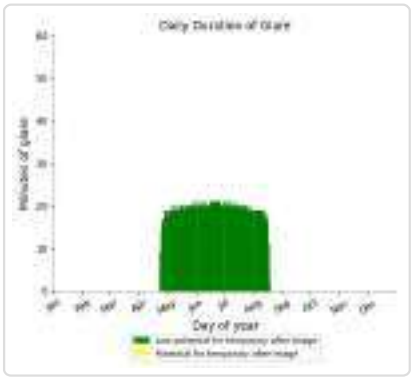


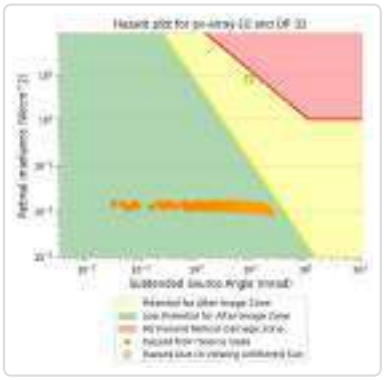
PV array 10: OP 32

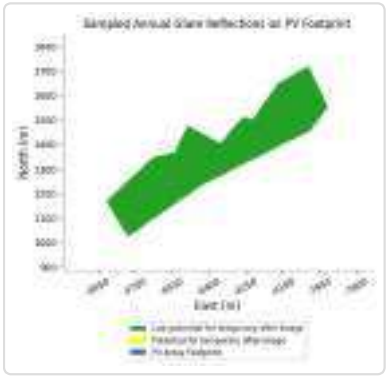
PV array is expected to produce the following glare for this receptor:

- 2,290 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





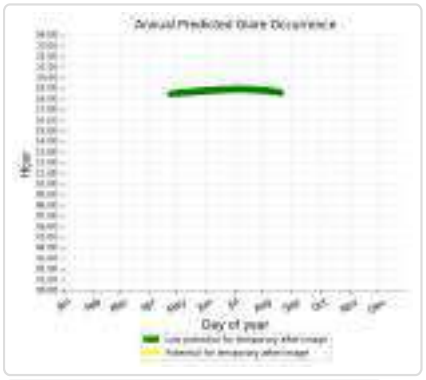


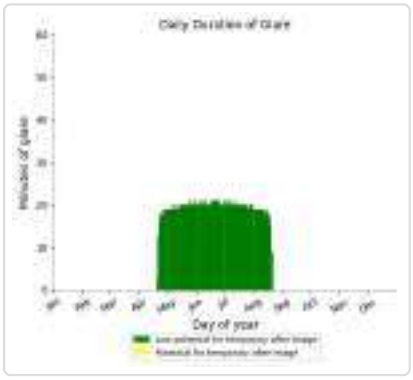


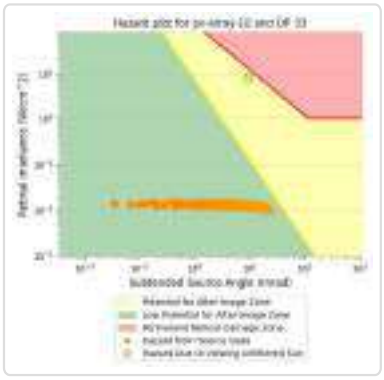
PV array 10: OP 33

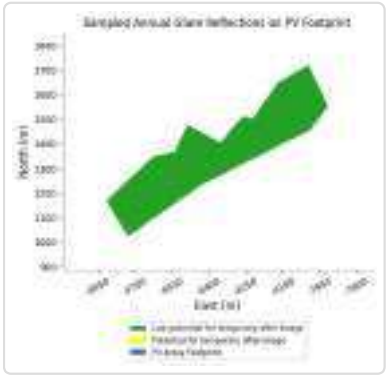
PV array is expected to produce the following glare for this receptor:

- 2,395 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





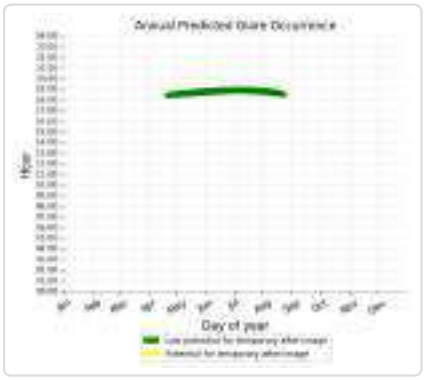


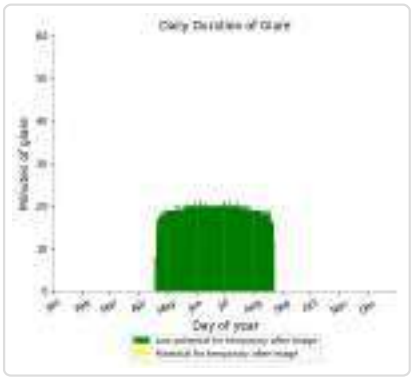


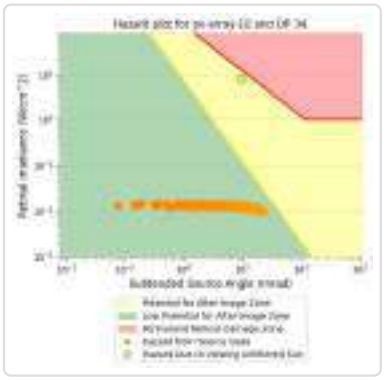
PV array 10: OP 34

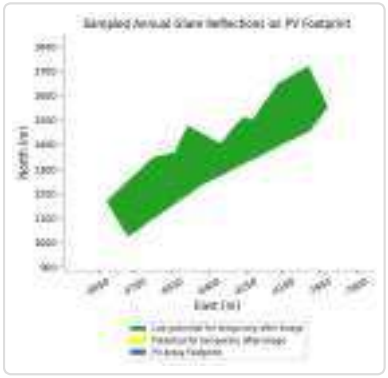
PV array is expected to produce the following glare for this receptor:

- 2,443 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





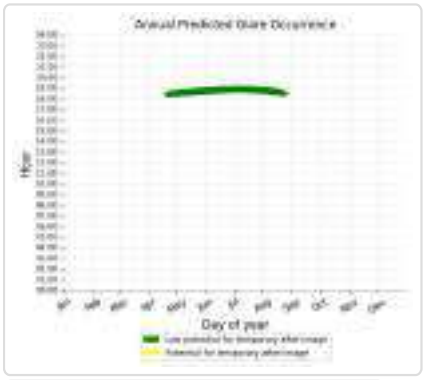


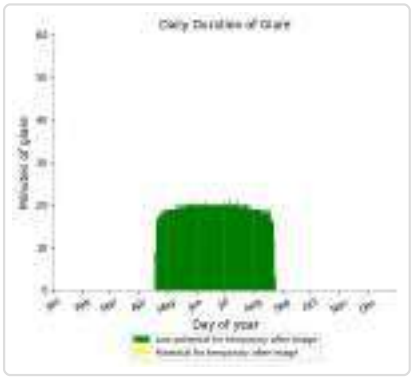


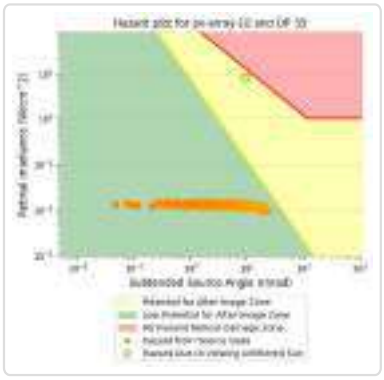
PV array 10: OP 35

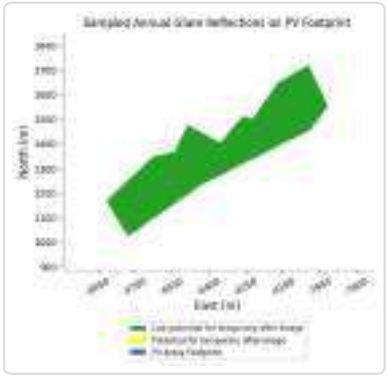
PV array is expected to produce the following glare for this receptor:

- 2,448 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





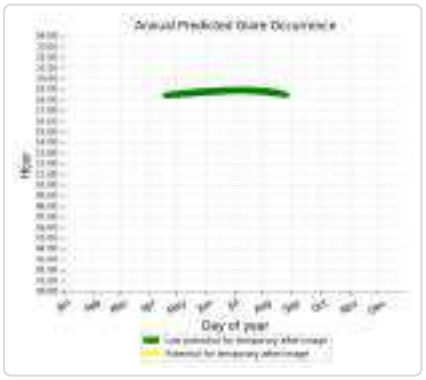


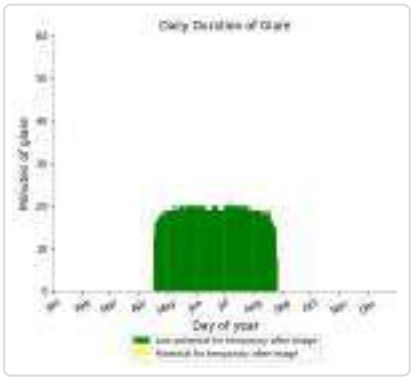


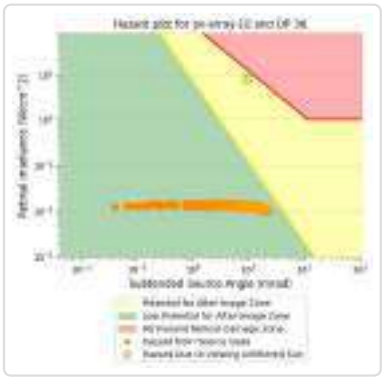
PV array 10: OP 36

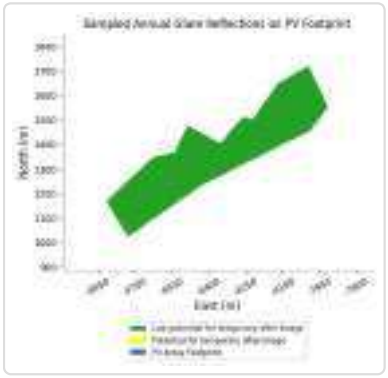
PV array is expected to produce the following glare for this receptor:

- 2,506 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





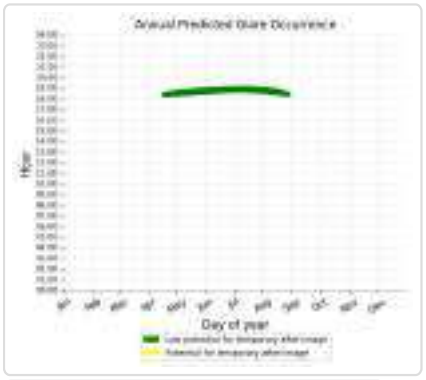


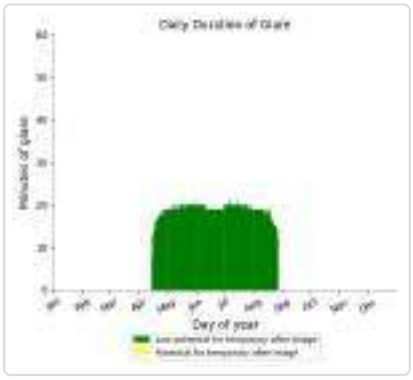


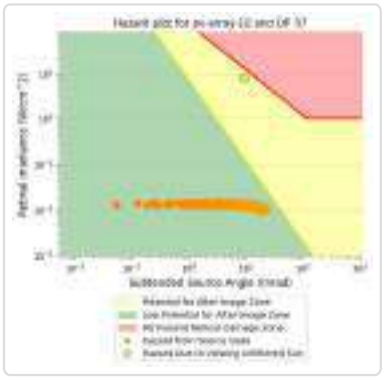
PV array 10: OP 37

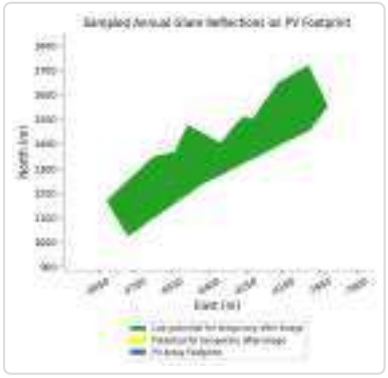
PV array is expected to produce the following glare for this receptor:

- 2,546 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





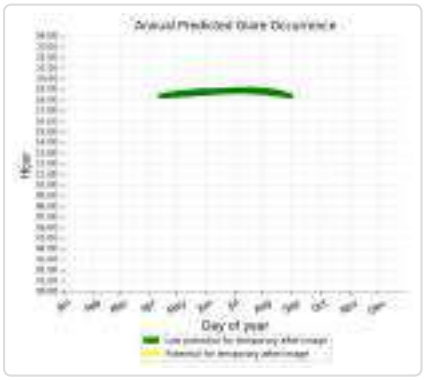


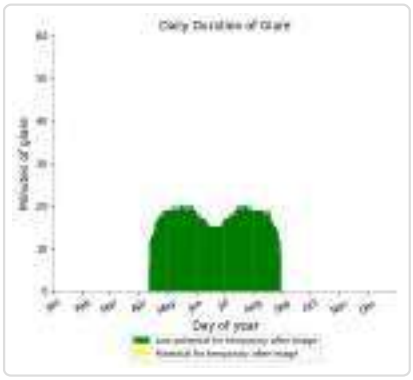


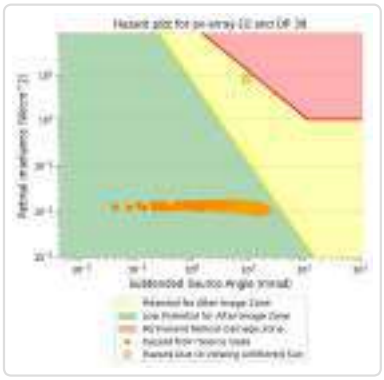
PV array 10: OP 38

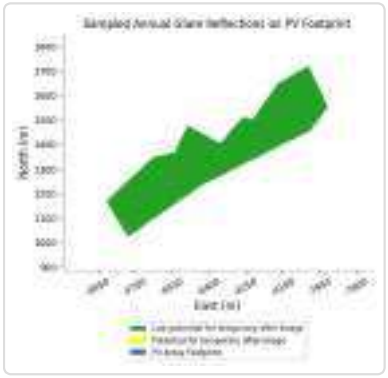
PV array is expected to produce the following glare for this receptor:

- 2,479 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





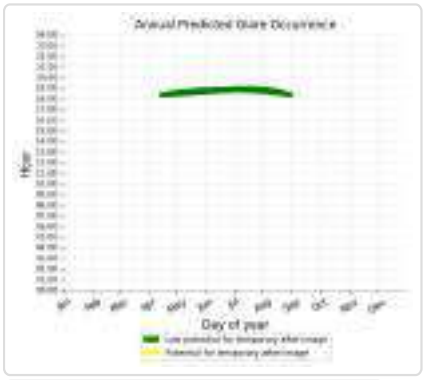


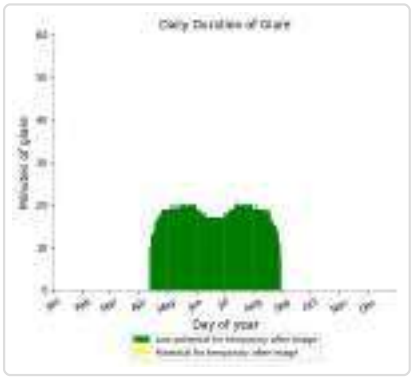


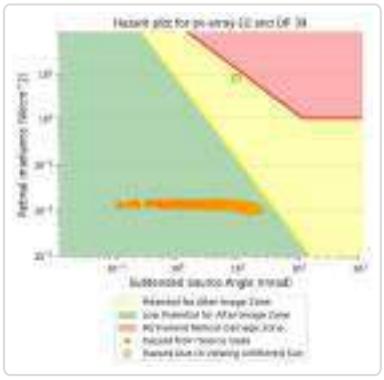
PV array 10: OP 39

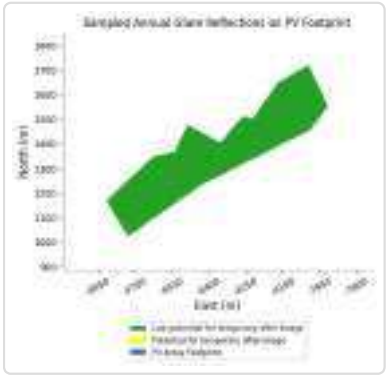
PV array is expected to produce the following glare for this receptor:

- 2,545 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





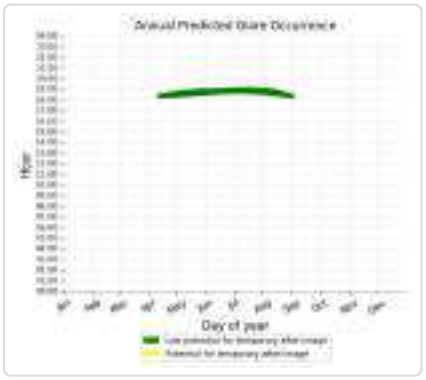


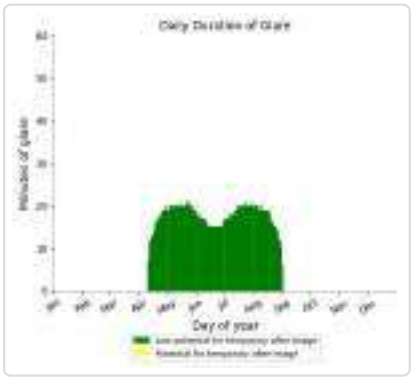


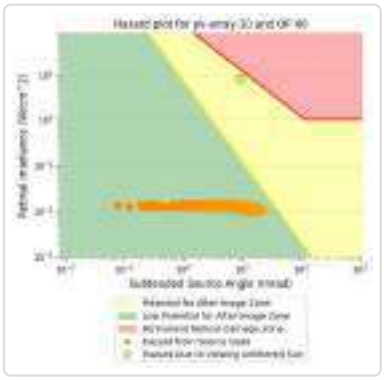
PV array 10: OP 40

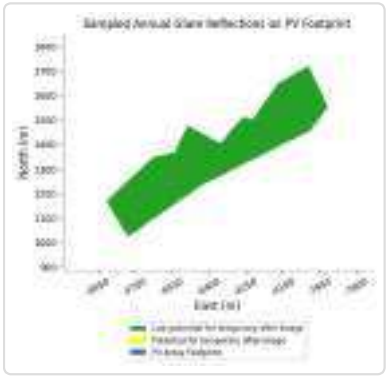
PV array is expected to produce the following glare for this receptor:

- 2,544 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





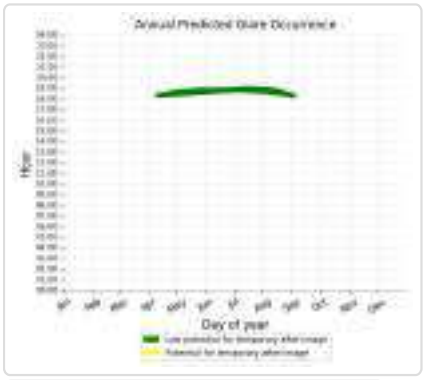


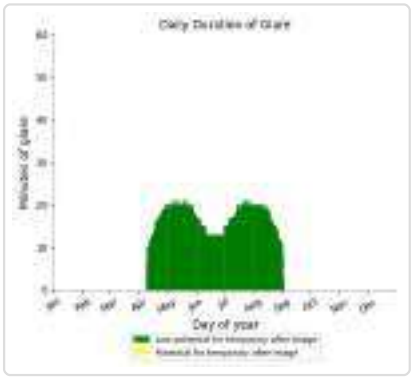


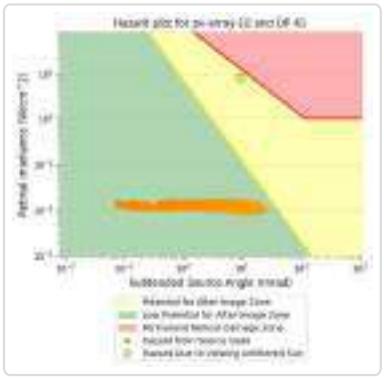
PV array 10: OP 41

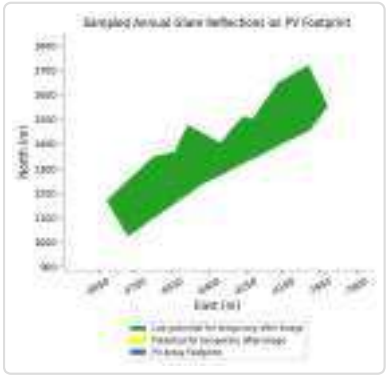
PV array is expected to produce the following glare for this receptor:

- 2,518 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





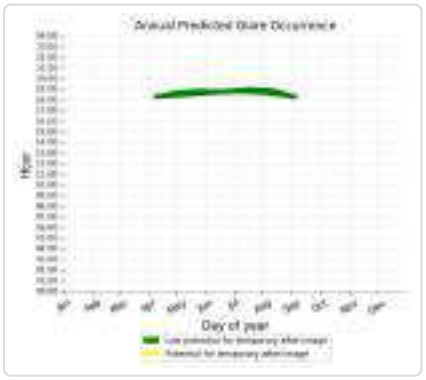


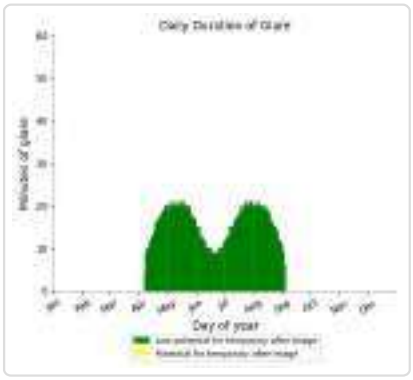


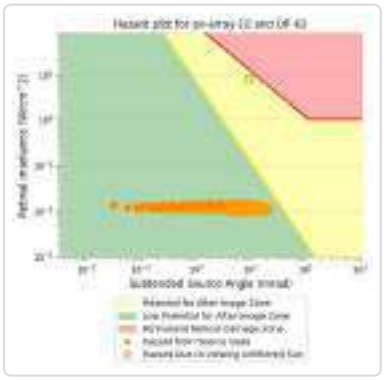
PV array 10: OP 42

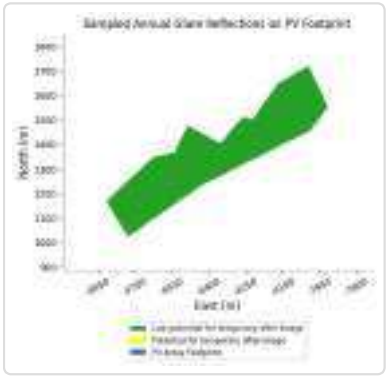
PV array is expected to produce the following glare for this receptor:

- 2,424 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





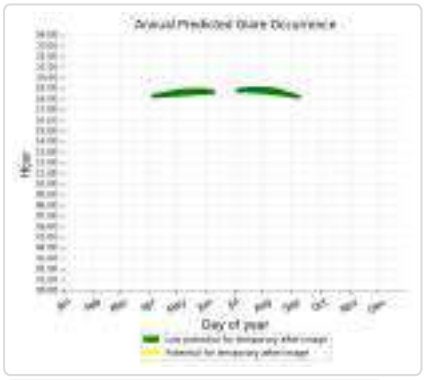


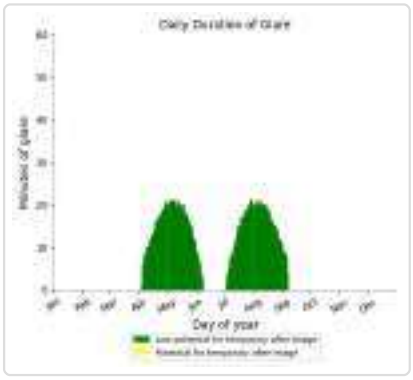


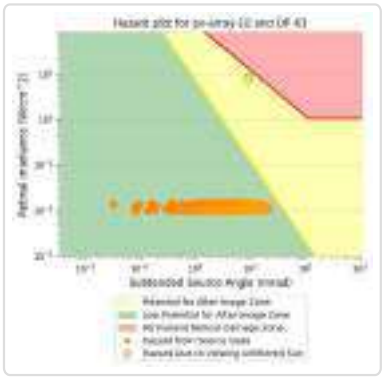
PV array 10: OP 43

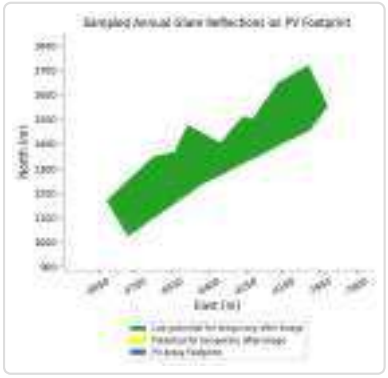
PV array is expected to produce the following glare for this receptor:

- 2,007 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





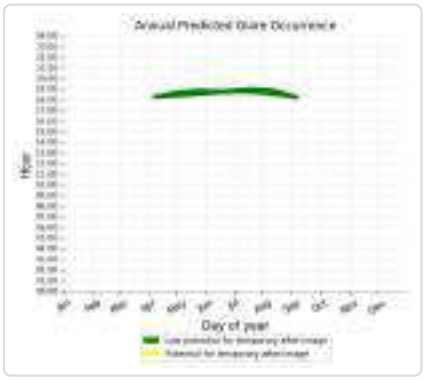


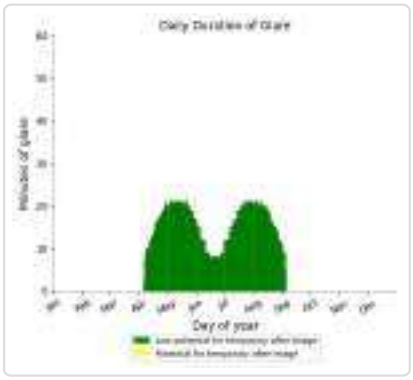


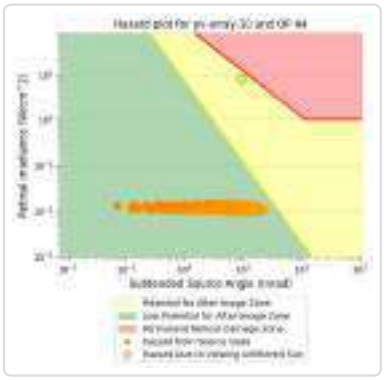
PV array 10: OP 44

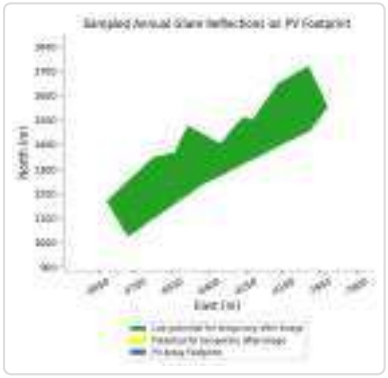
PV array is expected to produce the following glare for this receptor:

- 2,432 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





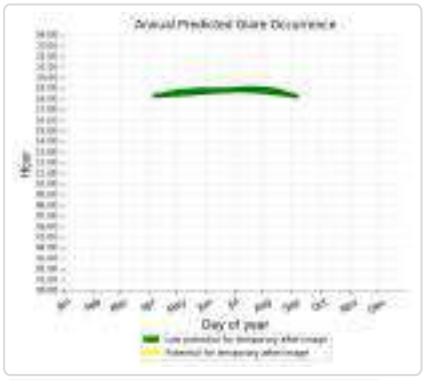


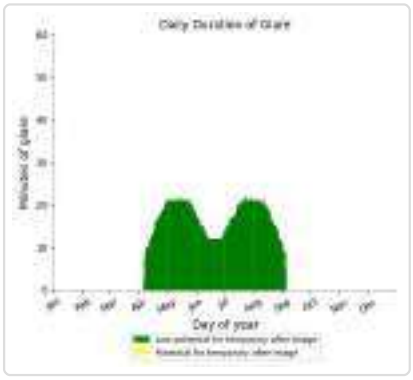


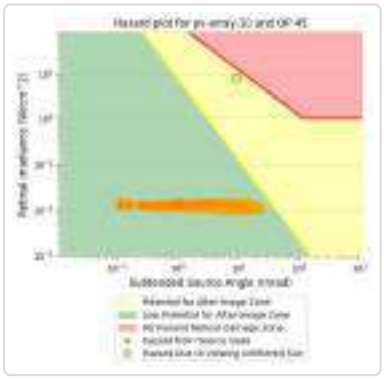
PV array 10: OP 45

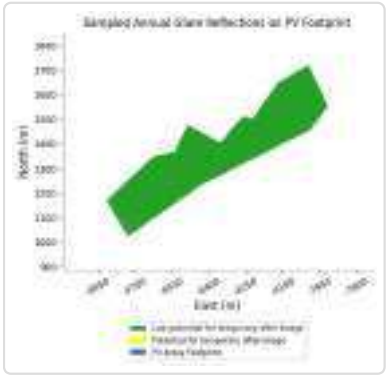
PV array is expected to produce the following glare for this receptor:

- 2,582 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





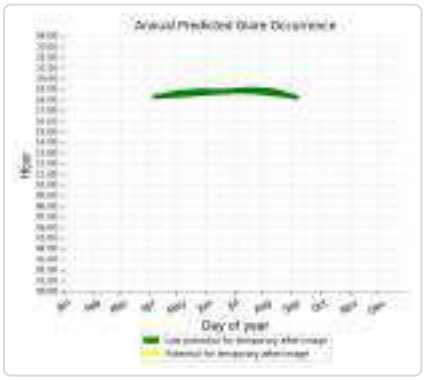


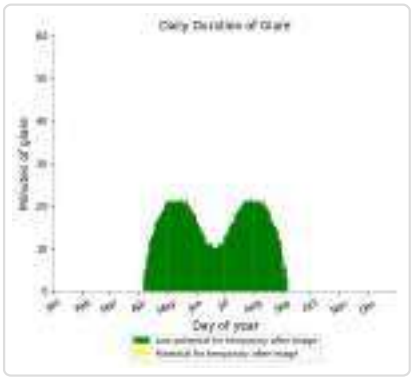


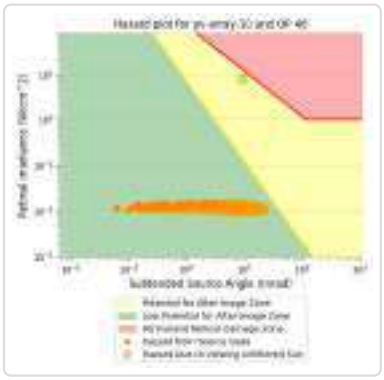
PV array 10: OP 46

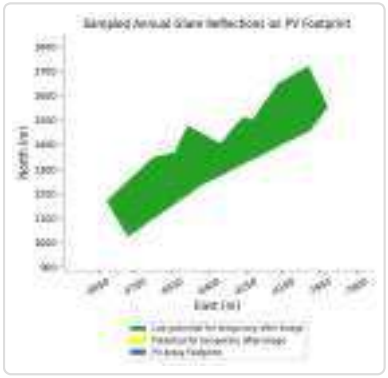
PV array is expected to produce the following glare for this receptor:

- 2,490 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





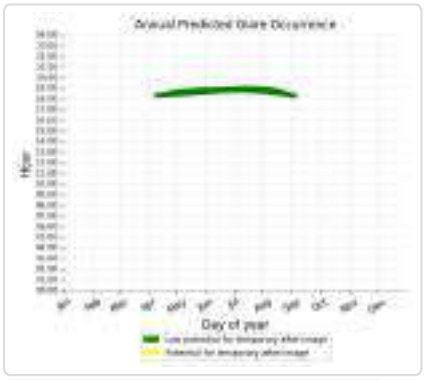


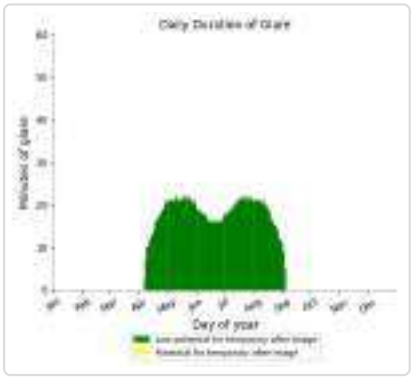


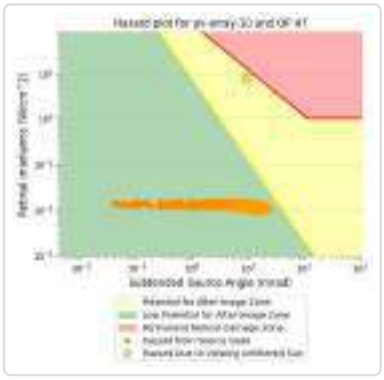
PV array 10: OP 47

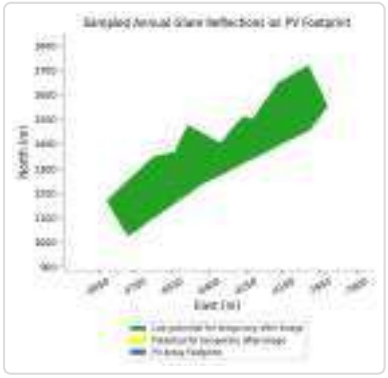
PV array is expected to produce the following glare for this receptor:

- 2,729 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





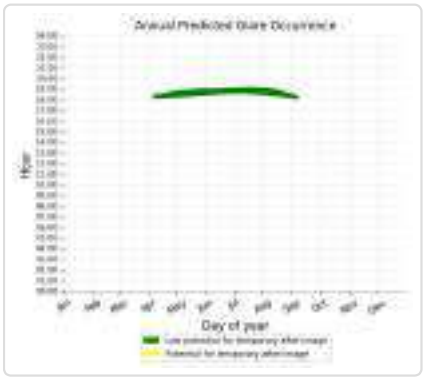


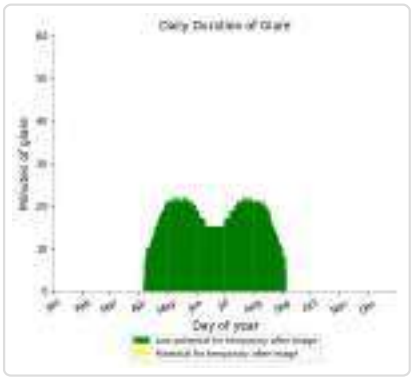


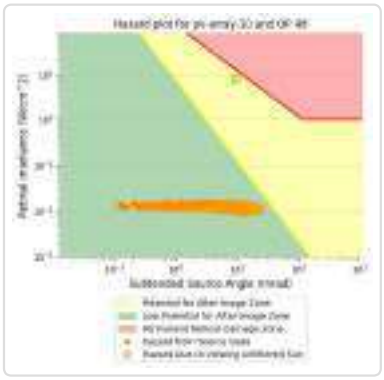
PV array 10: OP 48

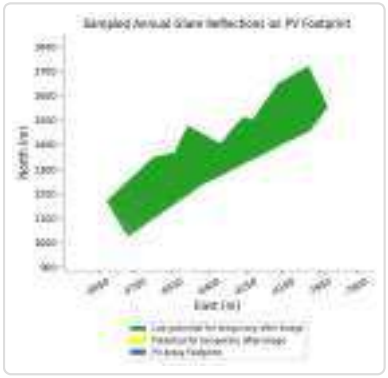
PV array is expected to produce the following glare for this receptor:

- 2,684 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





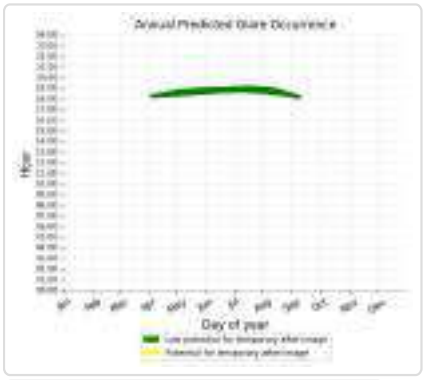


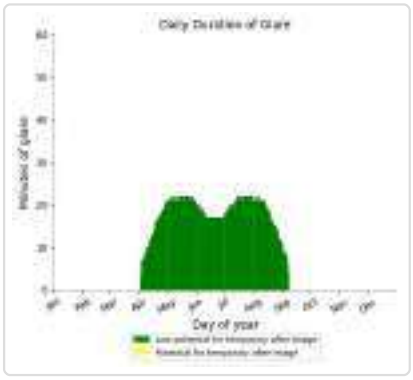


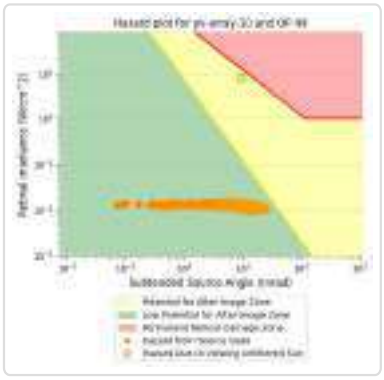
PV array 10: OP 49

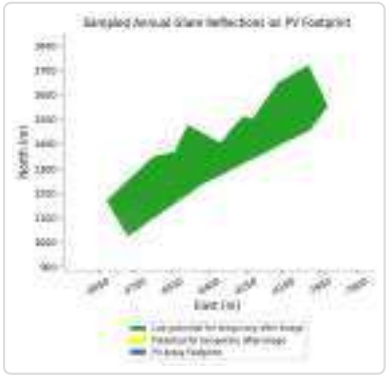
PV array is expected to produce the following glare for this receptor:

- 2,853 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





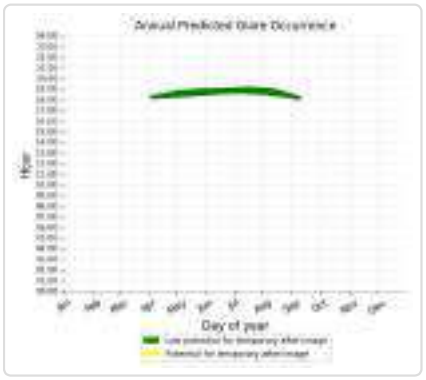


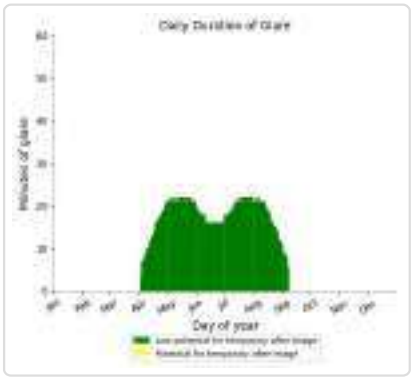


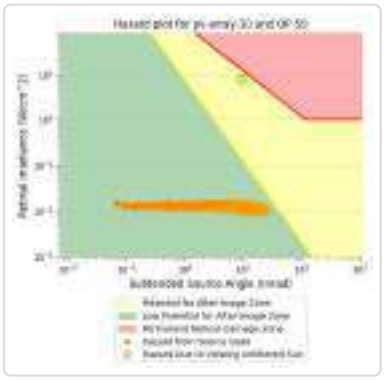
PV array 10: OP 50

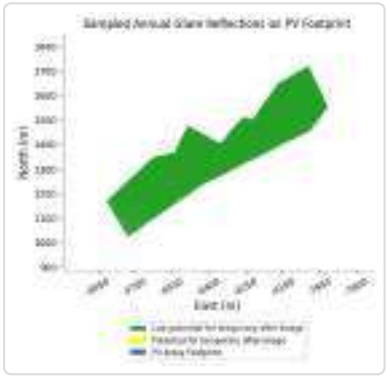
PV array is expected to produce the following glare for this receptor:

- 2,819 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





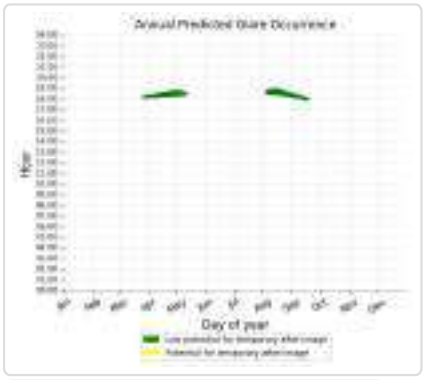


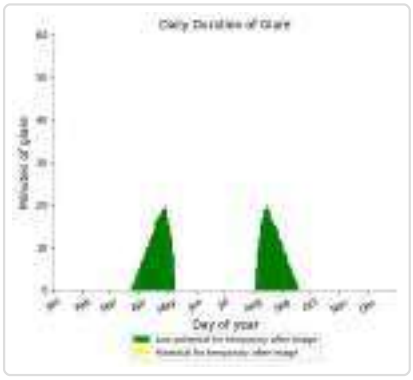


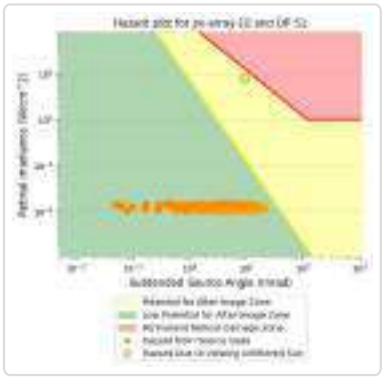
PV array 10: OP 51

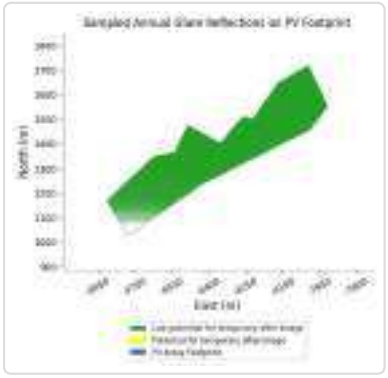
PV array is expected to produce the following glare for this receptor:

- 1,031 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





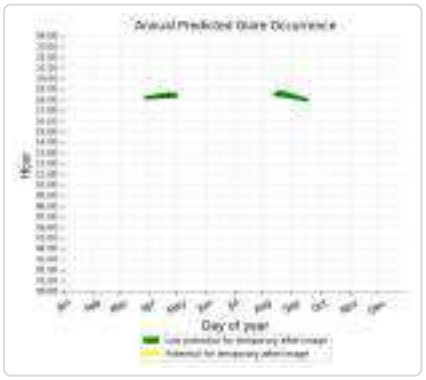


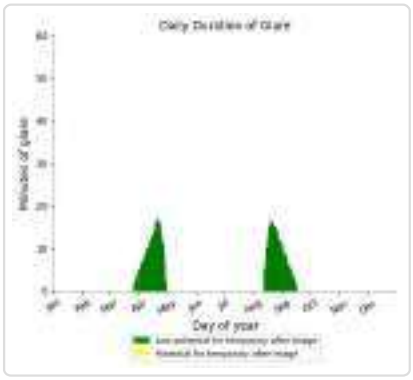


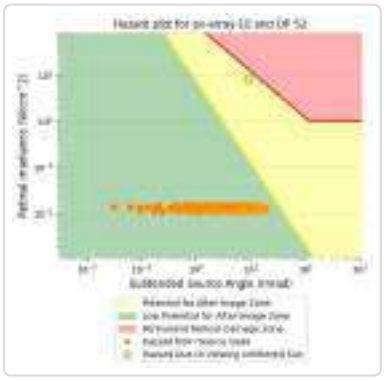
PV array 10: OP 52

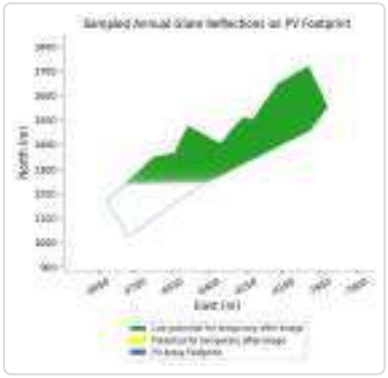
PV array is expected to produce the following glare for this receptor:

- 686 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





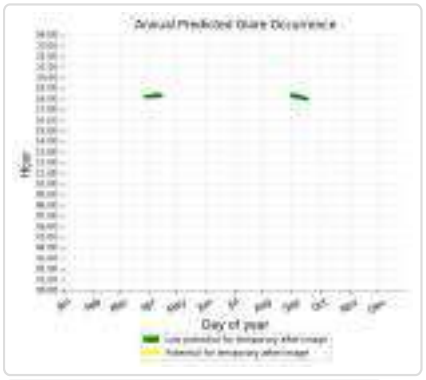


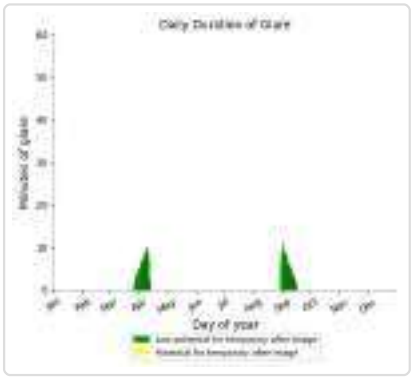


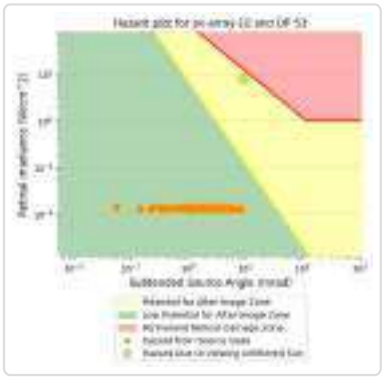
PV array 10: OP 53

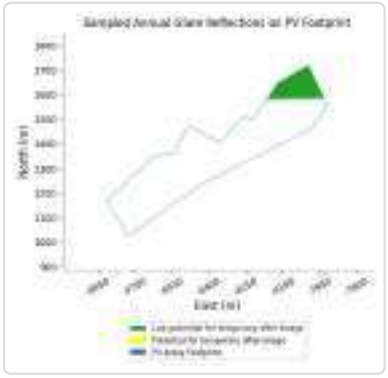
PV array is expected to produce the following glare for this receptor:

- 217 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 10: OP 54

No glare found

PV array 10: OP 55

No glare found

PV array 10: OP 56

No glare found

PV array 10: OP 57

No glare found

PV array 10: OP 58

No glare found

PV array 11 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0

OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	428	0
OP: OP 34	552	0
OP: OP 35	700	0
OP: OP 36	919	0
OP: OP 37	967	0
OP: OP 38	1152	0
OP: OP 39	1128	0
OP: OP 40	1243	0
OP: OP 41	1359	0
OP: OP 42	1412	0
OP: OP 43	1625	0
OP: OP 44	1450	0
OP: OP 45	1445	0
OP: OP 46	1476	0
OP: OP 47	1321	0
OP: OP 48	1329	0
OP: OP 49	1308	0
OP: OP 50	1340	0
OP: OP 51	2231	0
OP: OP 52	2388	0
OP: OP 53	2610	0
OP: OP 54	993	0
OP: OP 55	1032	0
OP: OP 56	1152	4
OP: OP 57	1132	15
OP: OP 58	830	5

PV array 11: OP 1

No glare found

PV array 11: OP 2

No glare found

PV array 11: OP 3

No glare found

PV array 11: OP 4

No glare found

PV array 11: OP 5

No glare found

PV array 11: OP 6

No glare found

PV array 11: OP 7
No glare found

PV array 11: OP 8
No glare found

PV array 11: OP 9
No glare found

PV array 11: OP 10
No glare found

PV array 11: OP 11
No glare found

PV array 11: OP 12
No glare found

PV array 11: OP 13
No glare found

PV array 11: OP 14
No glare found

PV array 11: OP 15
No glare found

PV array 11: OP 16
No glare found

PV array 11: OP 17
No glare found

PV array 11: OP 18
No glare found

PV array 11: OP 19
No glare found

PV array 11: OP 20
No glare found

PV array 11: OP 21
No glare found

PV array 11: OP 22
No glare found

PV array 11: OP 23
No glare found

PV array 11: OP 24
No glare found

PV array 11: OP 25
No glare found

PV array 11: OP 26
No glare found

PV array 11: OP 27
No glare found

PV array 11: OP 28
No glare found

PV array 11: OP 29
No glare found

PV array 11: OP 30
No glare found

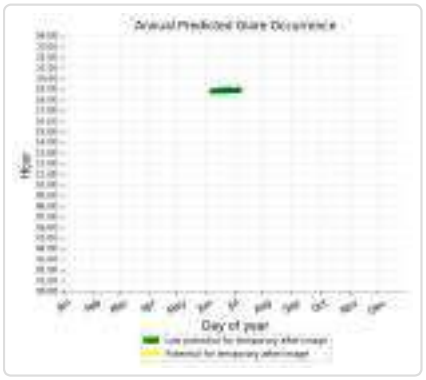
PV array 11: OP 31
No glare found

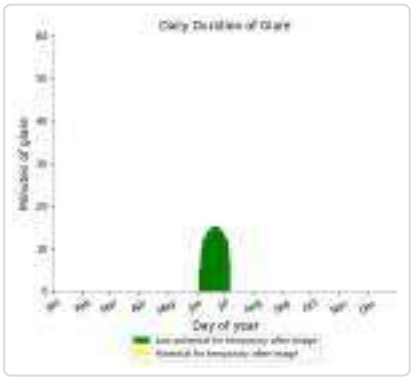
PV array 11: OP 32
No glare found

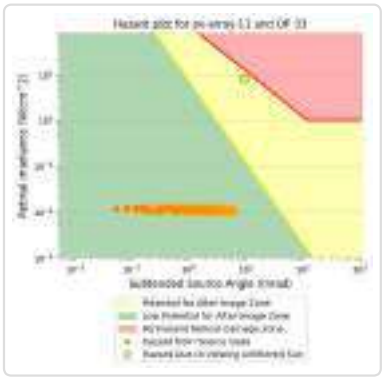
PV array 11: OP 33

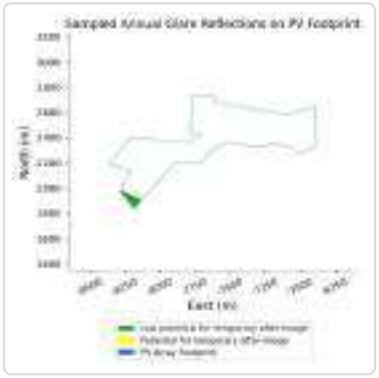
PV array is expected to produce the following glare for this receptor:

- 428 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





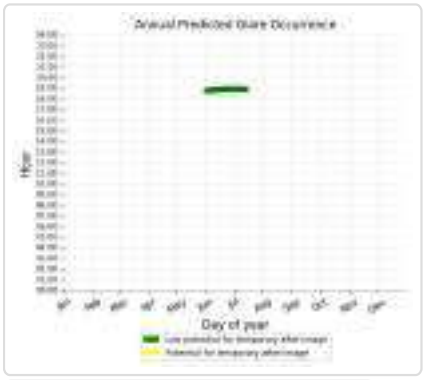


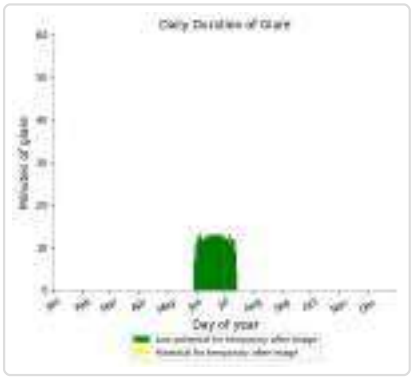


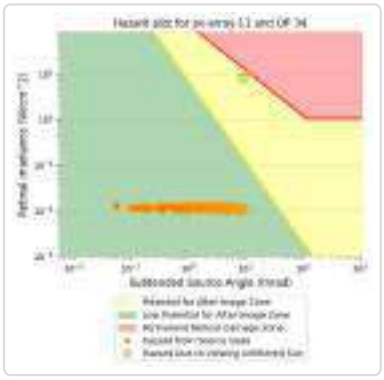
PV array 11: OP 34

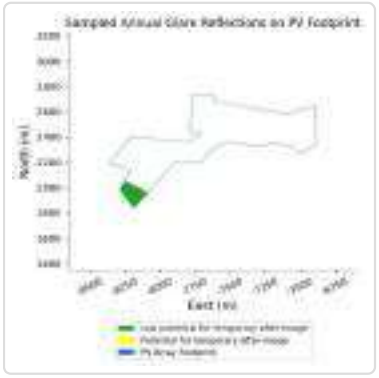
PV array is expected to produce the following glare for this receptor:

- 552 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





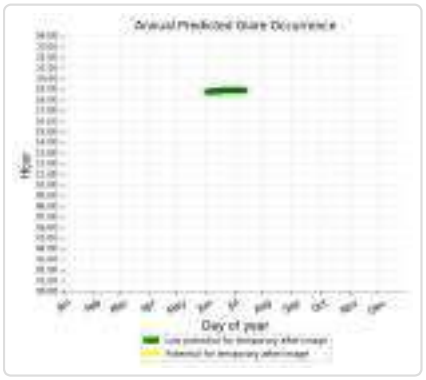


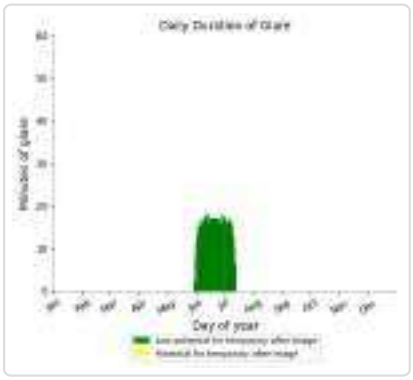


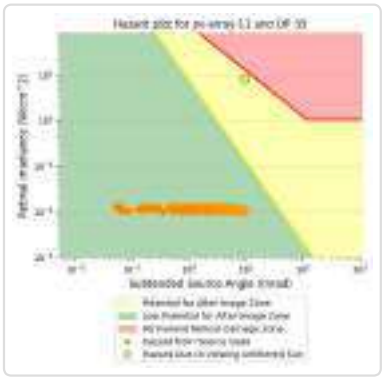
PV array 11: OP 35

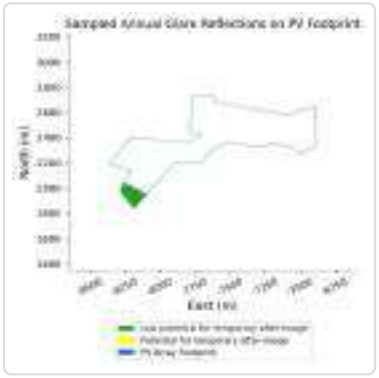
PV array is expected to produce the following glare for this receptor:

- 700 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





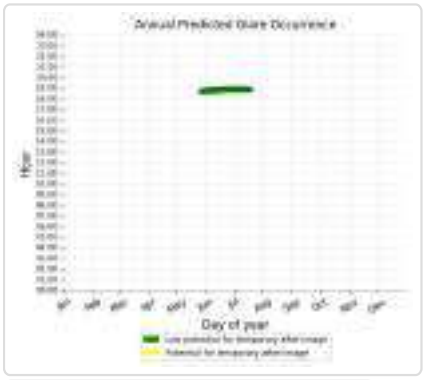


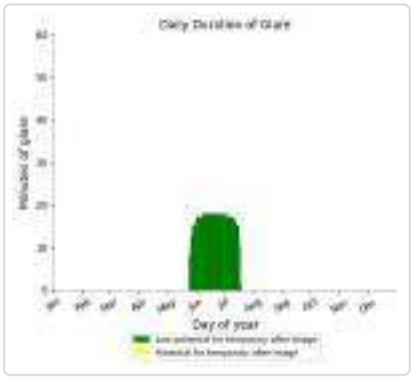


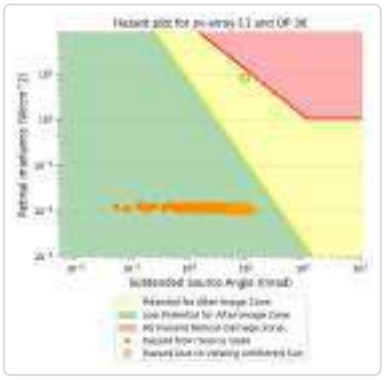
PV array 11: OP 36

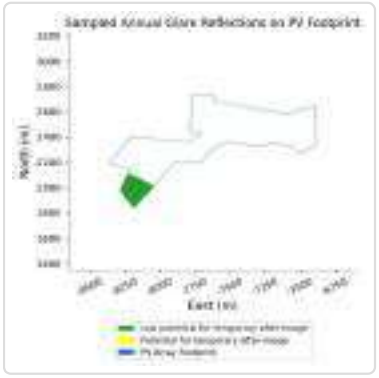
PV array is expected to produce the following glare for this receptor:

- 919 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





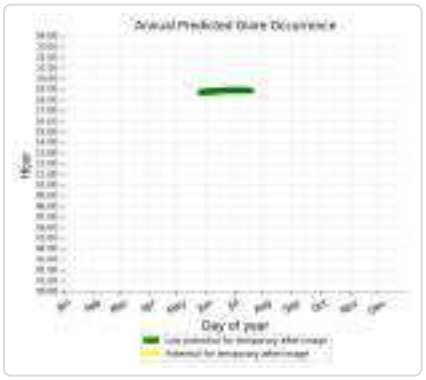


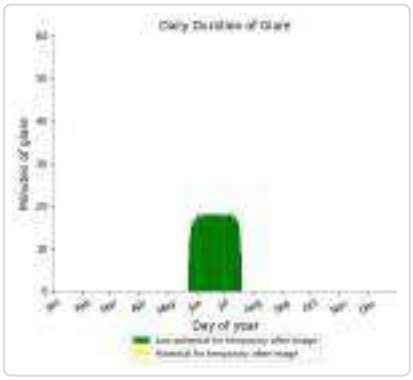


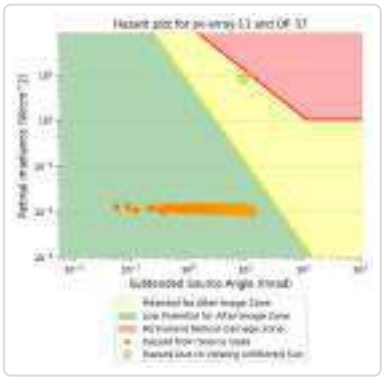
PV array 11: OP 37

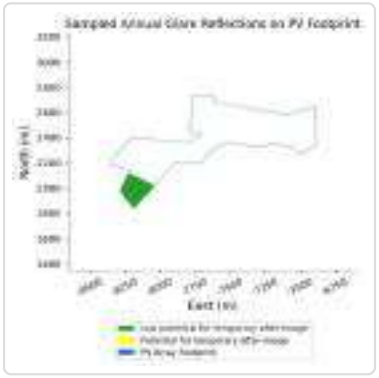
PV array is expected to produce the following glare for this receptor:

- 967 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





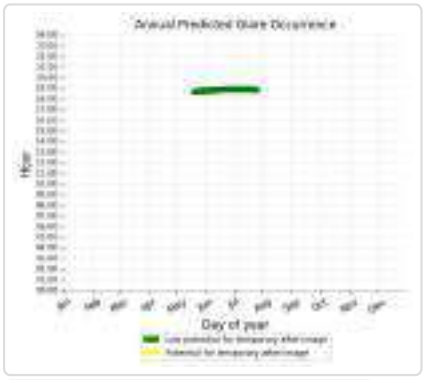


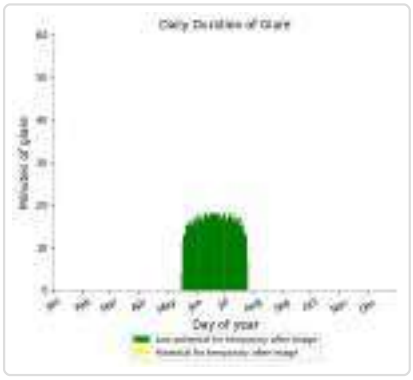


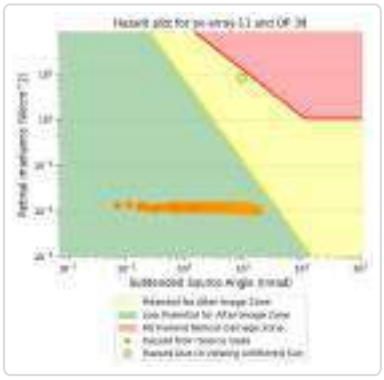
PV array 11: OP 38

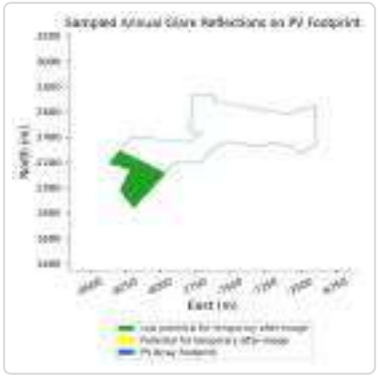
PV array is expected to produce the following glare for this receptor:

- 1,152 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





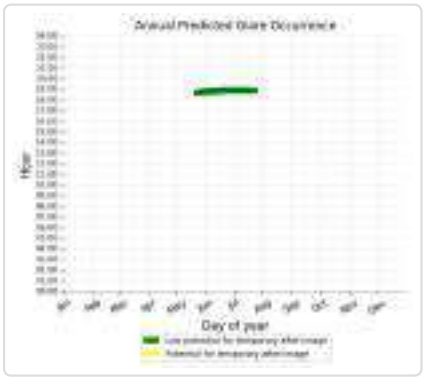


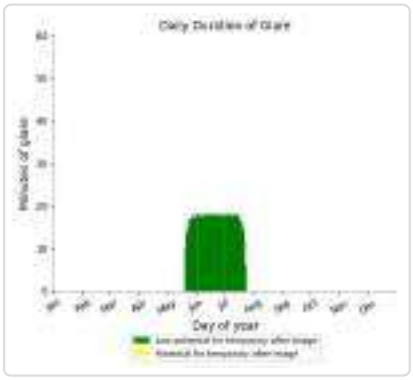


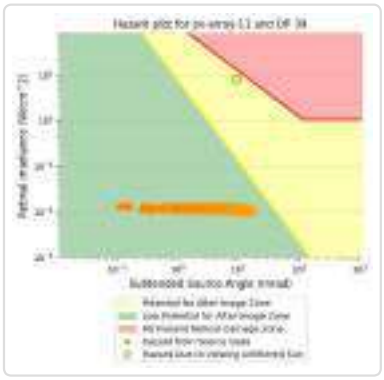
PV array 11: OP 39

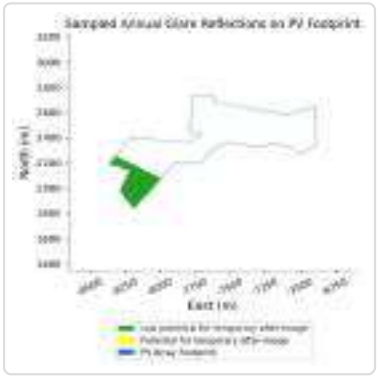
PV array is expected to produce the following glare for this receptor:

- 1,128 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





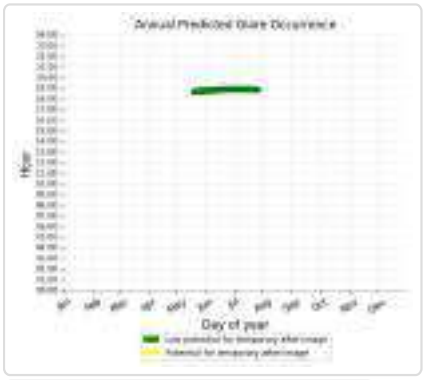


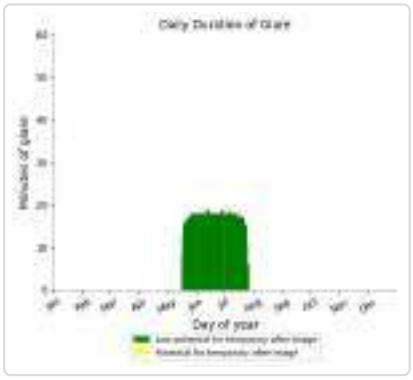


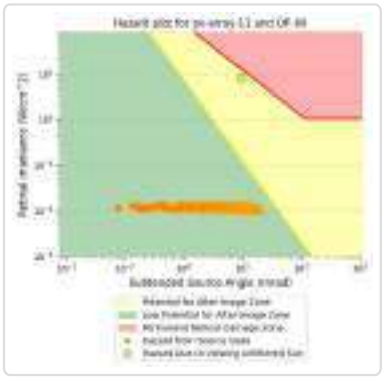
PV array 11: OP 40

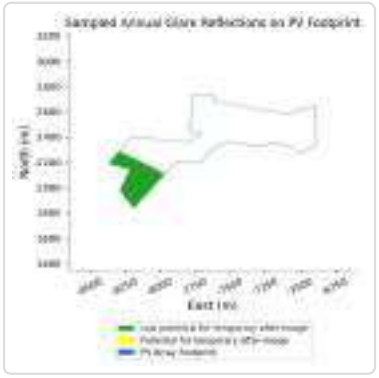
PV array is expected to produce the following glare for this receptor:

- 1,243 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





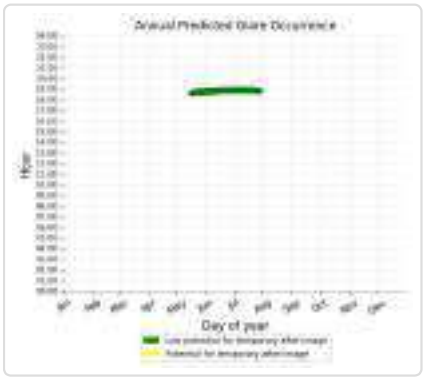


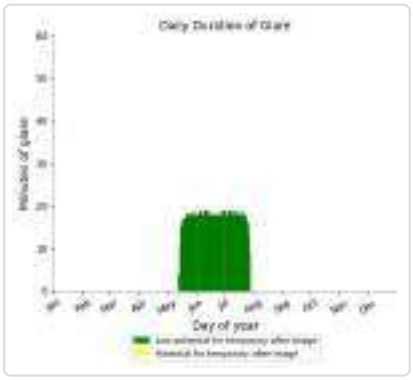


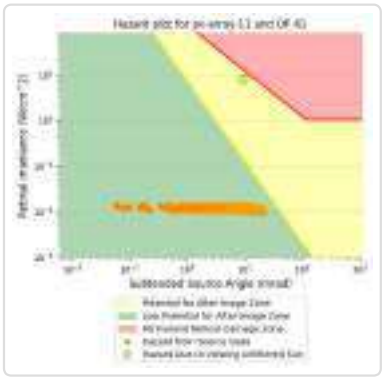
PV array 11: OP 41

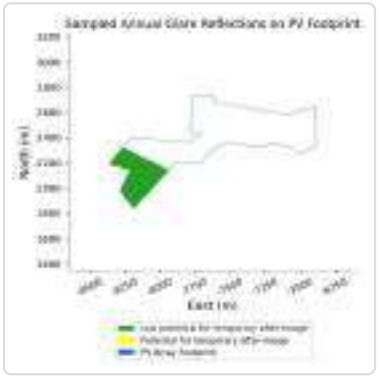
PV array is expected to produce the following glare for this receptor:

- 1,359 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





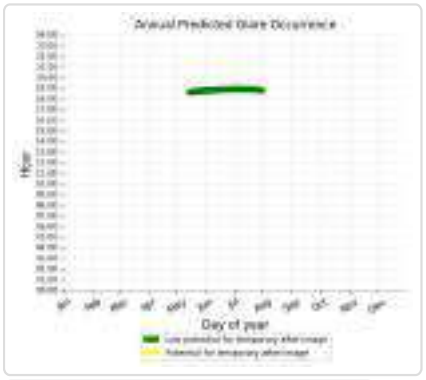


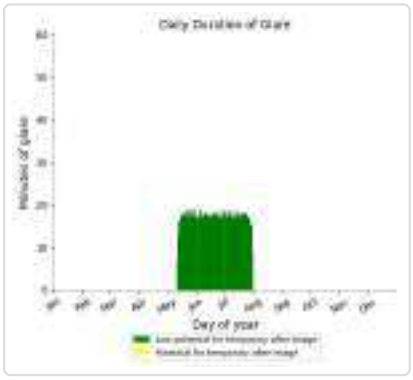


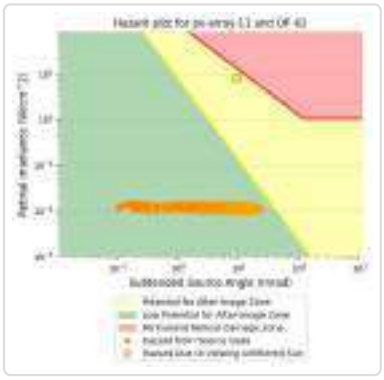
PV array 11: OP 42

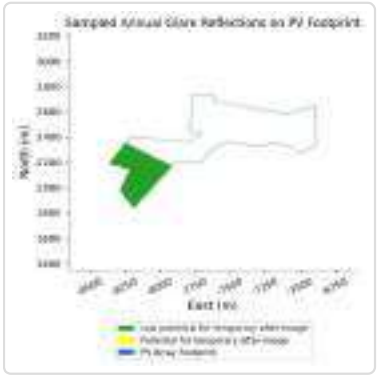
PV array is expected to produce the following glare for this receptor:

- 1,412 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





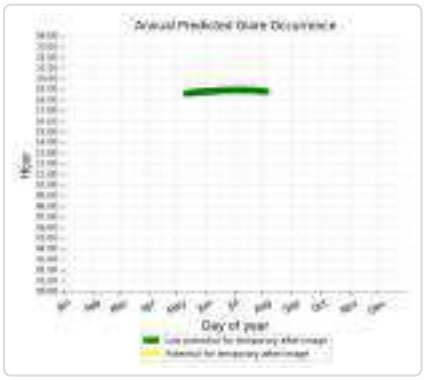


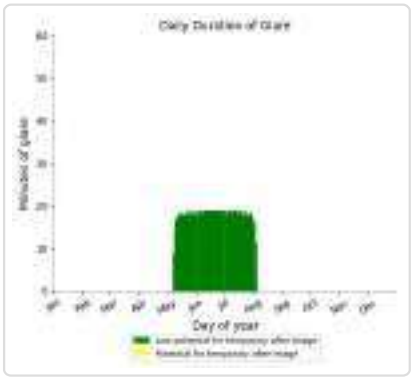


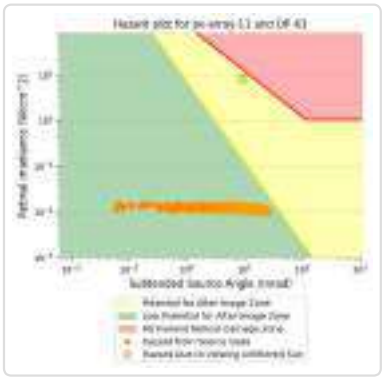
PV array 11: OP 43

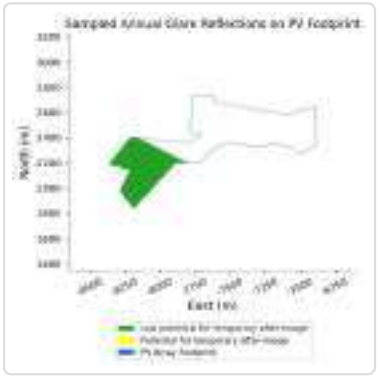
PV array is expected to produce the following glare for this receptor:

- 1,625 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





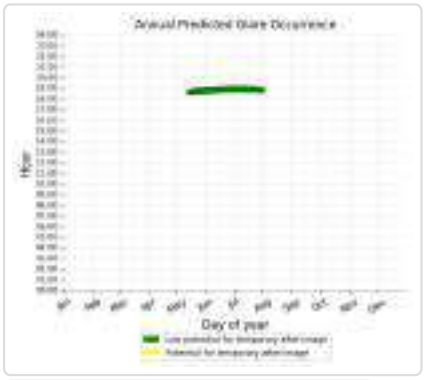


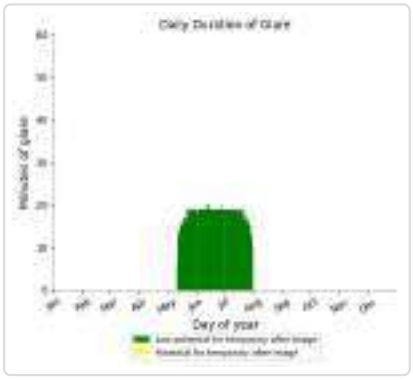


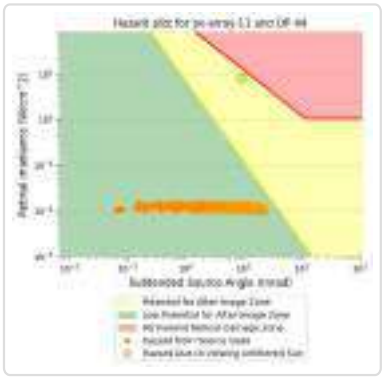
PV array 11: OP 44

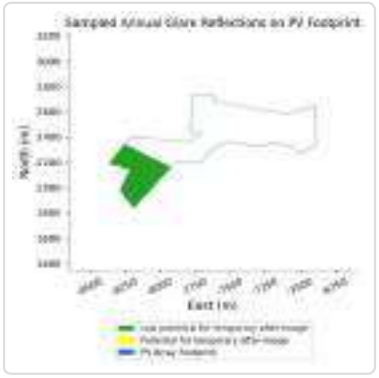
PV array is expected to produce the following glare for this receptor:

- 1,450 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





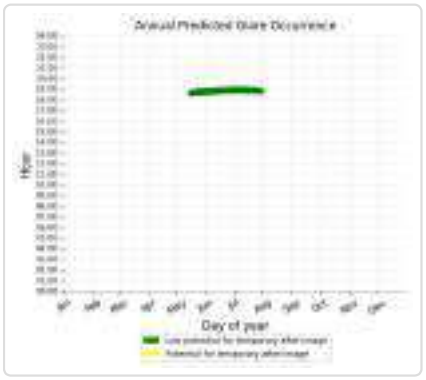


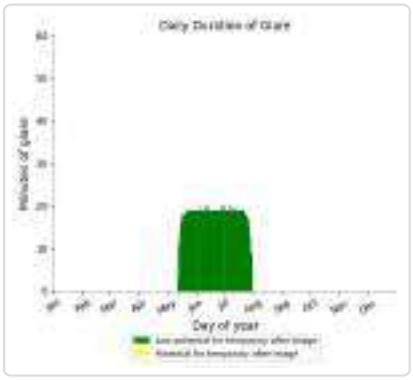


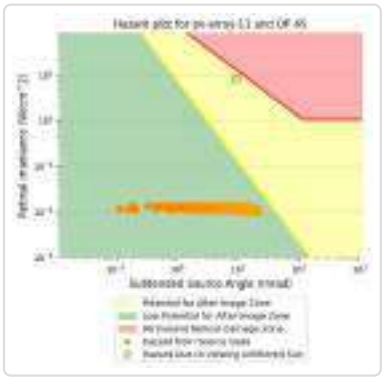
PV array 11: OP 45

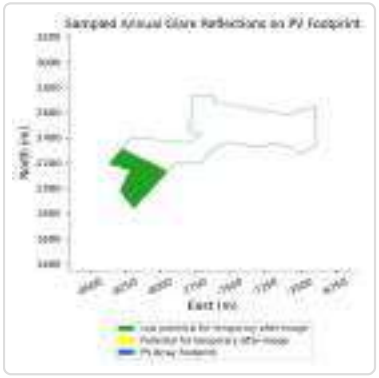
PV array is expected to produce the following glare for this receptor:

- 1,445 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





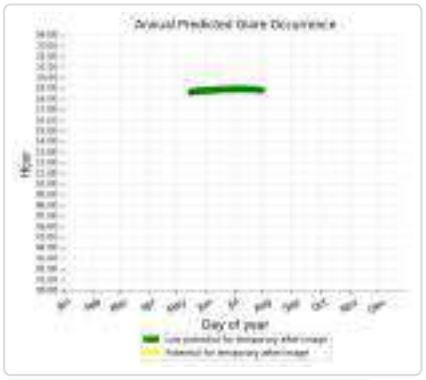


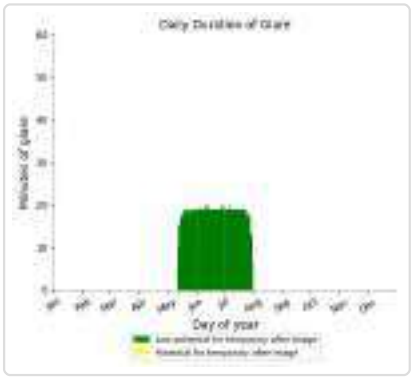


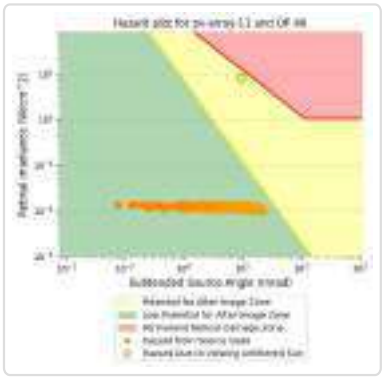
PV array 11: OP 46

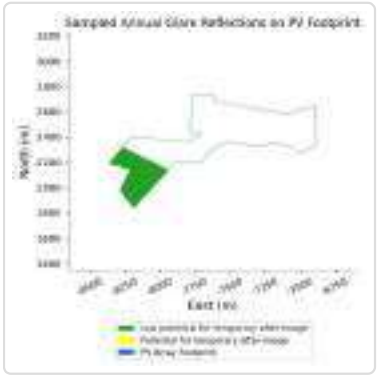
PV array is expected to produce the following glare for this receptor:

- 1,476 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





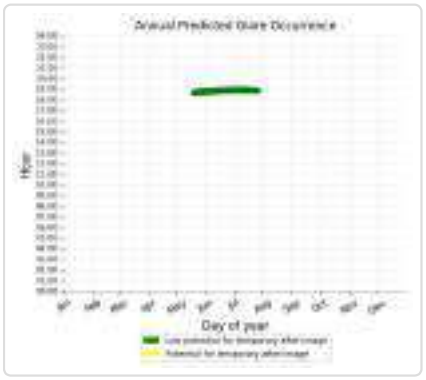


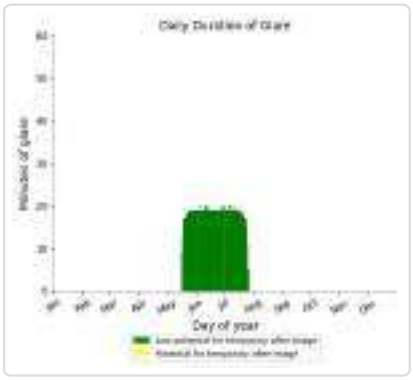


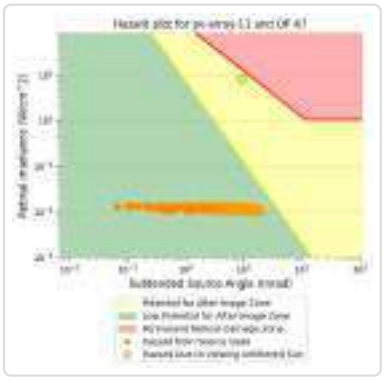
PV array 11: OP 47

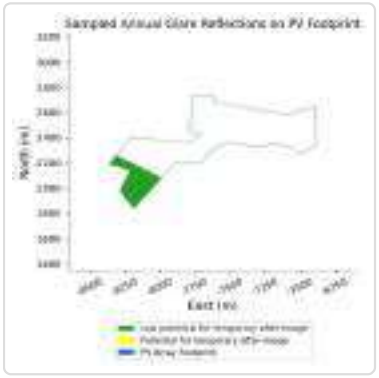
PV array is expected to produce the following glare for this receptor:

- 1,321 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





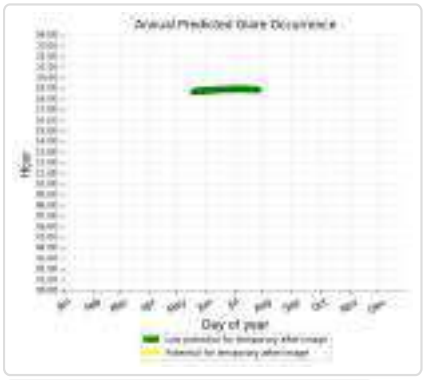


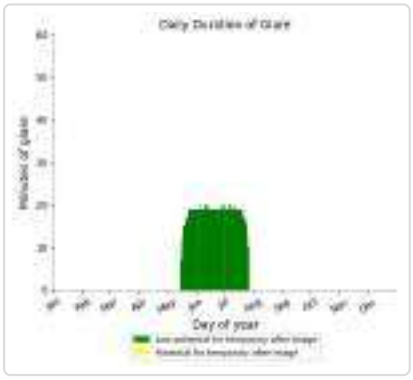


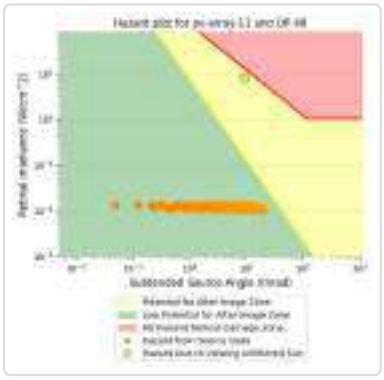
PV array 11: OP 48

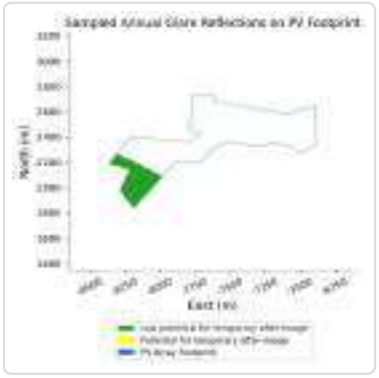
PV array is expected to produce the following glare for this receptor:

- 1,329 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





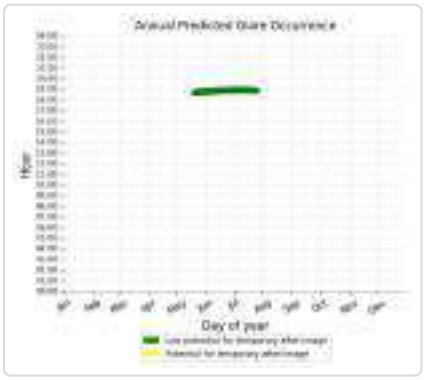


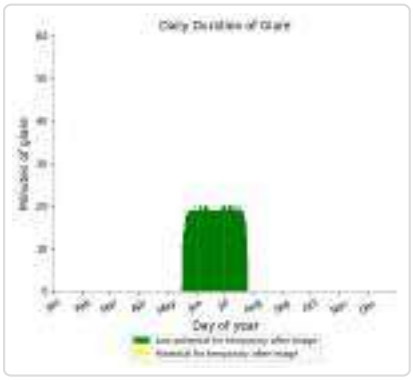


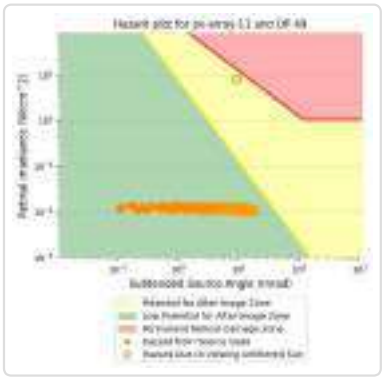
PV array 11: OP 49

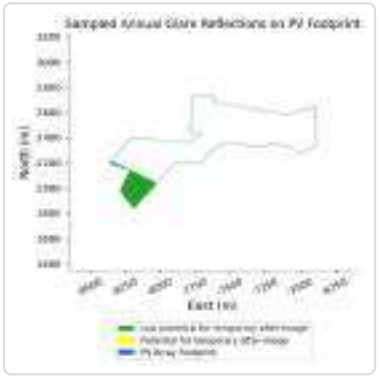
PV array is expected to produce the following glare for this receptor:

- 1,308 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





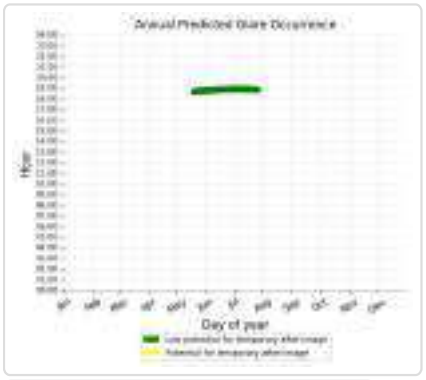


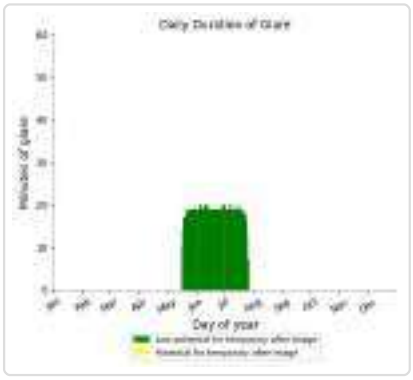


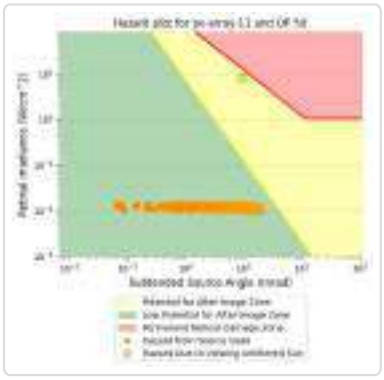
PV array 11: OP 50

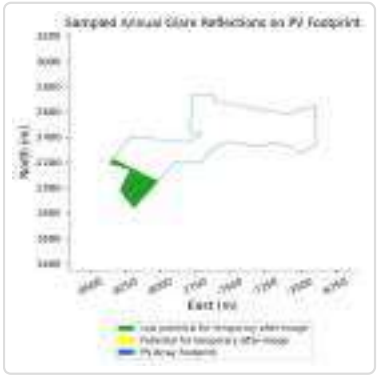
PV array is expected to produce the following glare for this receptor:

- 1,340 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





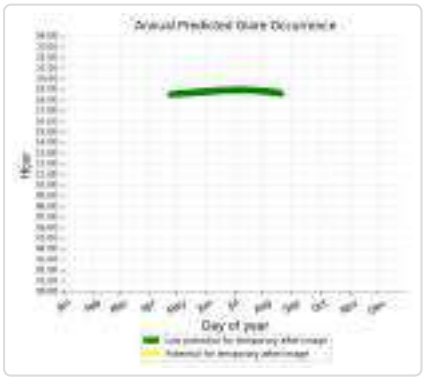


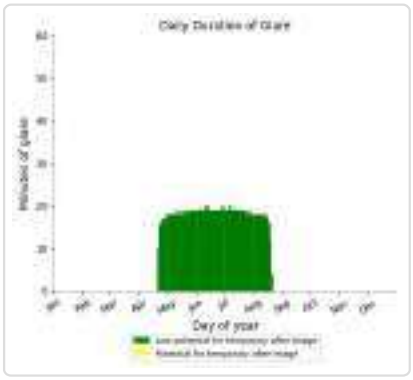


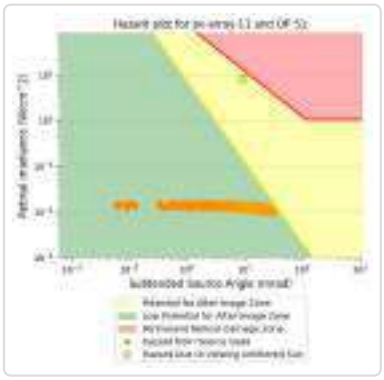
PV array 11: OP 51

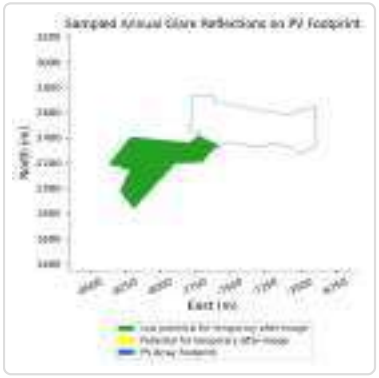
PV array is expected to produce the following glare for this receptor:

- 2,231 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





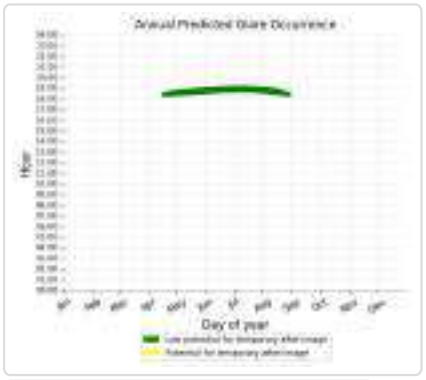


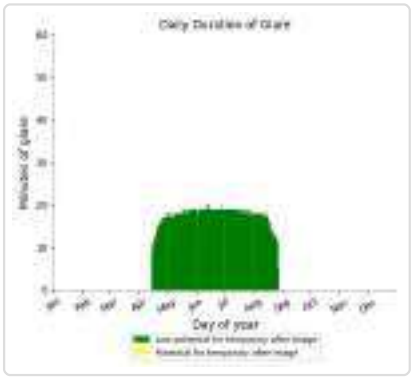


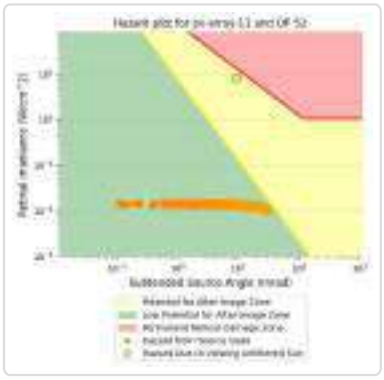
PV array 11: OP 52

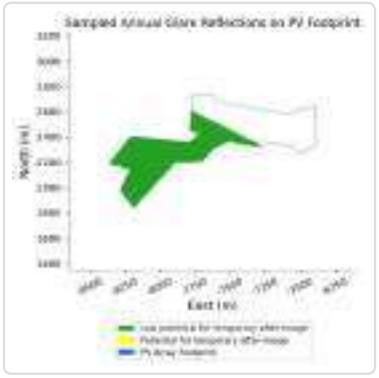
PV array is expected to produce the following glare for this receptor:

- 2,388 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





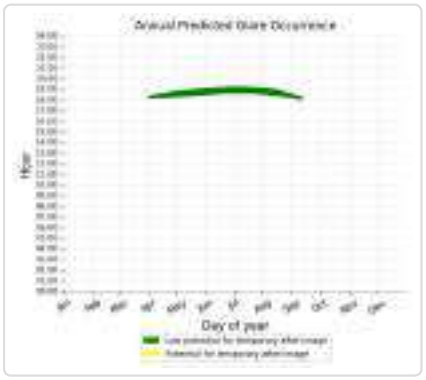


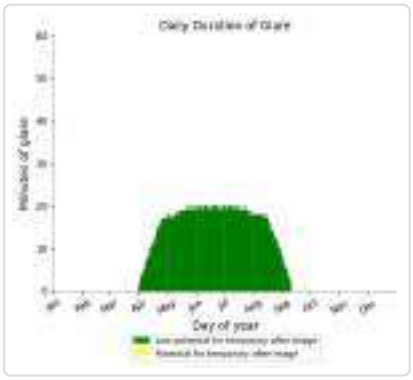


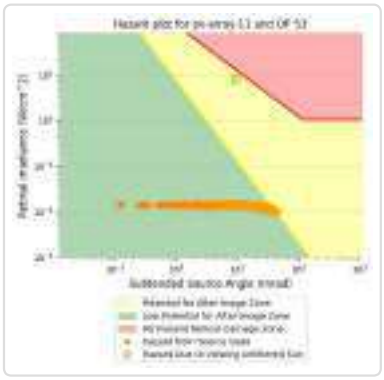
PV array 11: OP 53

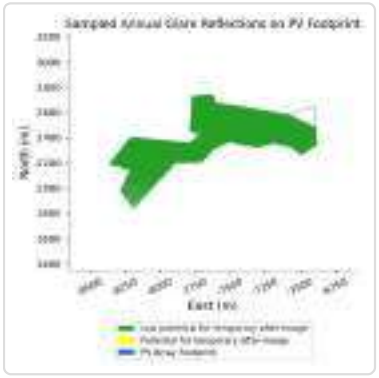
PV array is expected to produce the following glare for this receptor:

- 2,610 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





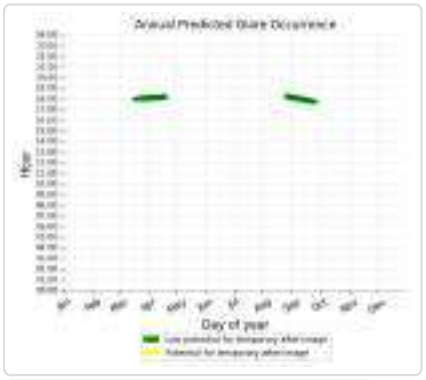


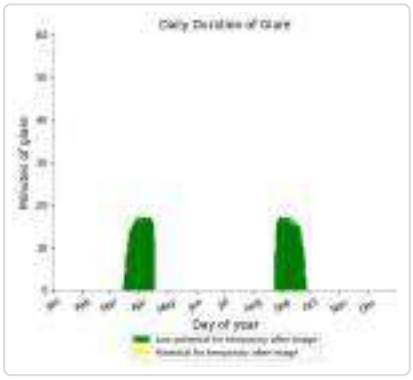


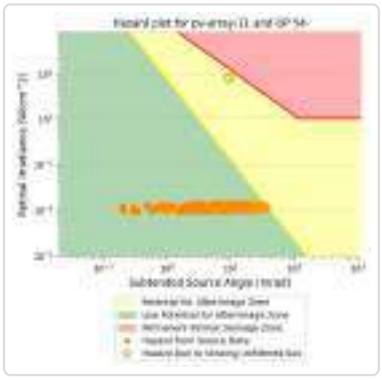
PV array 11: OP 54

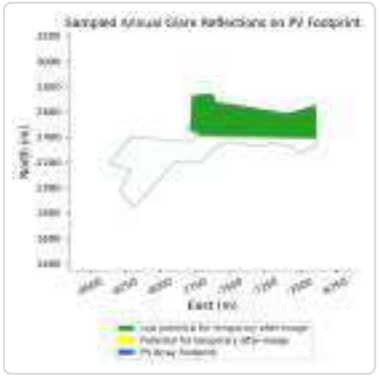
PV array is expected to produce the following glare for this receptor:

- 993 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





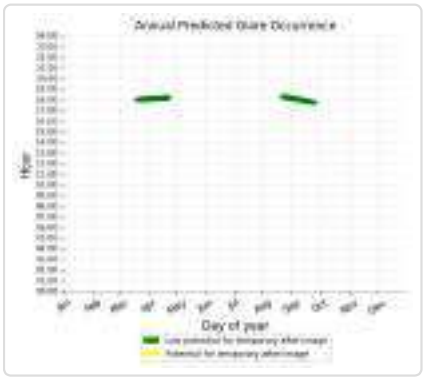


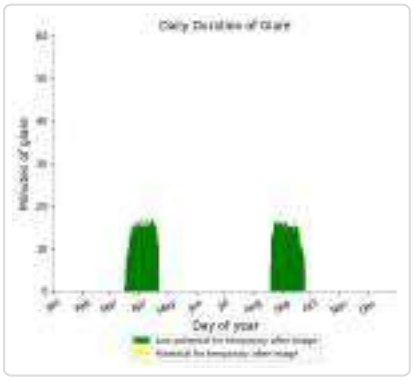


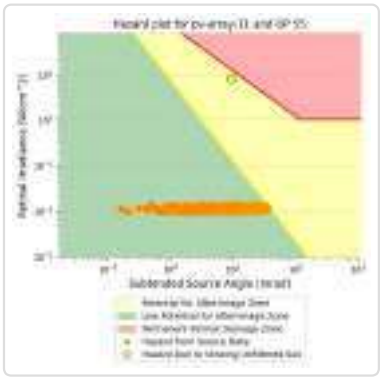
PV array 11: OP 55

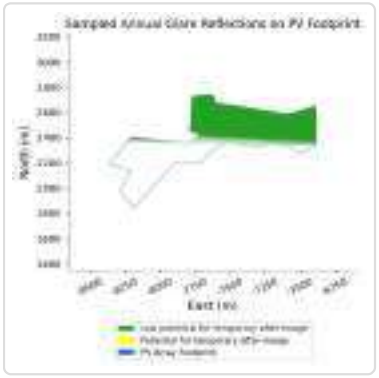
PV array is expected to produce the following glare for this receptor:

- 1,032 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





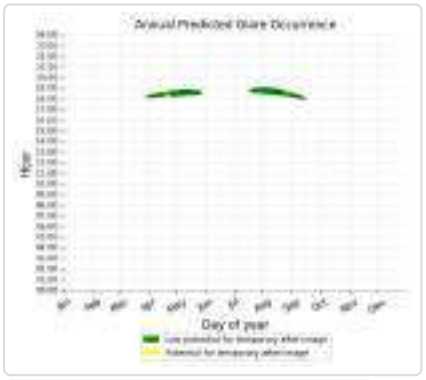


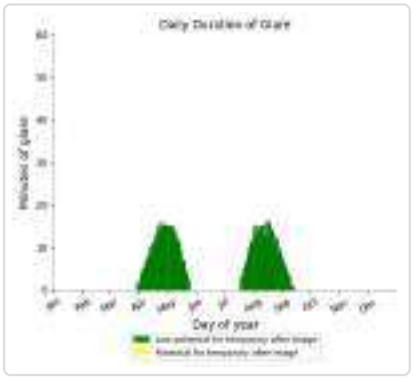


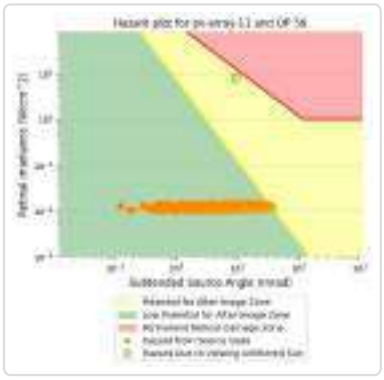
PV array 11: OP 56

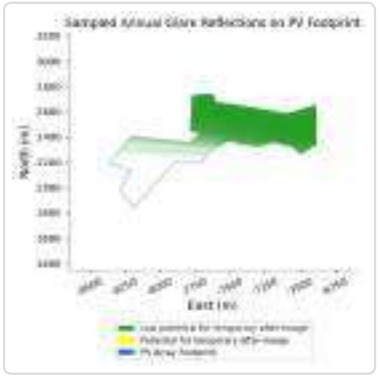
PV array is expected to produce the following glare for this receptor:

- 1,152 minutes of "green" glare with low potential to cause temporary after-image.
- 4 minutes of "yellow" glare with potential to cause temporary after-image.





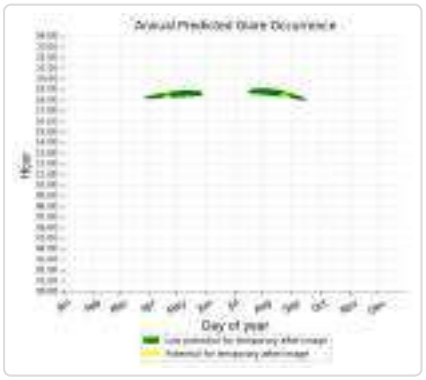


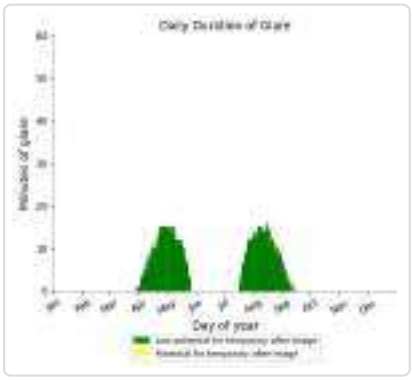


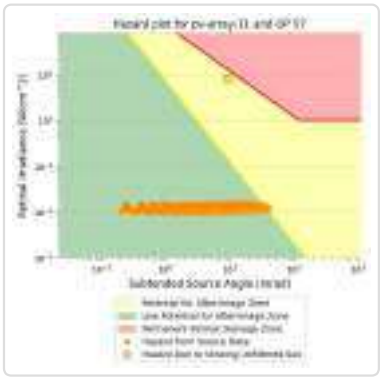
PV array 11: OP 57

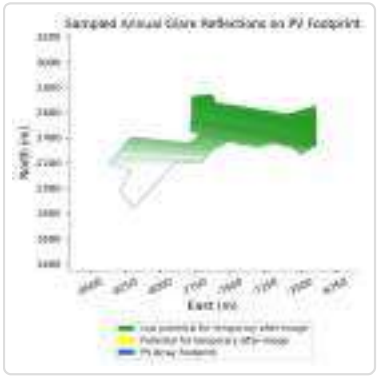
PV array is expected to produce the following glare for this receptor:

- 1,132 minutes of "green" glare with low potential to cause temporary after-image.
- 15 minutes of "yellow" glare with potential to cause temporary after-image.





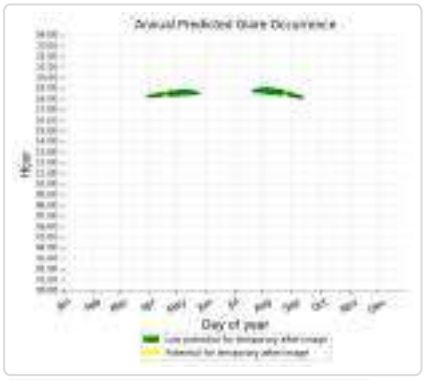


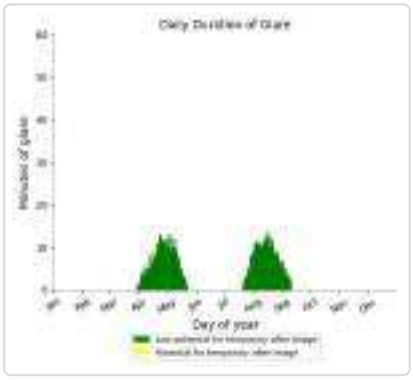


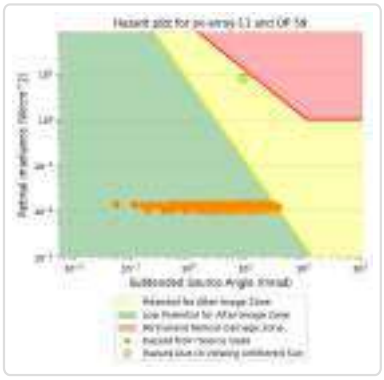
PV array 11: OP 58

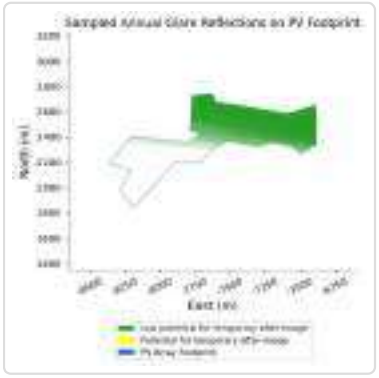
PV array is expected to produce the following glare for this receptor:

- 830 minutes of "green" glare with low potential to cause temporary after-image.
- 5 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 12 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0

OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	182	0
OP: OP 54	1395	0
OP: OP 55	1361	0
OP: OP 56	1771	0
OP: OP 57	1611	0
OP: OP 58	1928	0

PV array 12: OP 1

No glare found

PV array 12: OP 2

No glare found

PV array 12: OP 3

No glare found

PV array 12: OP 4

No glare found

PV array 12: OP 5

No glare found

PV array 12: OP 6

No glare found

PV array 12: OP 7

No glare found

PV array 12: OP 8

No glare found

PV array 12: OP 9

No glare found

PV array 12: OP 10

No glare found

PV array 12: OP 11

No glare found

PV array 12: OP 12
No glare found

PV array 12: OP 13
No glare found

PV array 12: OP 14
No glare found

PV array 12: OP 15
No glare found

PV array 12: OP 16
No glare found

PV array 12: OP 17
No glare found

PV array 12: OP 18
No glare found

PV array 12: OP 19
No glare found

PV array 12: OP 20
No glare found

PV array 12: OP 21
No glare found

PV array 12: OP 22
No glare found

PV array 12: OP 23
No glare found

PV array 12: OP 24
No glare found

PV array 12: OP 25
No glare found

PV array 12: OP 26
No glare found

PV array 12: OP 27
No glare found

PV array 12: OP 28
No glare found

PV array 12: OP 29
No glare found

PV array 12: OP 30
No glare found

PV array 12: OP 31
No glare found

PV array 12: OP 32
No glare found

PV array 12: OP 33
No glare found

PV array 12: OP 34
No glare found

PV array 12: OP 35
No glare found

PV array 12: OP 36
No glare found

PV array 12: OP 37
No glare found

PV array 12: OP 38
No glare found

PV array 12: OP 39
No glare found

PV array 12: OP 40
No glare found

PV array 12: OP 41
No glare found

PV array 12: OP 42
No glare found

PV array 12: OP 43
No glare found

PV array 12: OP 44
No glare found

PV array 12: OP 45
No glare found

PV array 12: OP 46
No glare found

PV array 12: OP 47
No glare found

PV array 12: OP 48
No glare found

PV array 12: OP 49
No glare found

PV array 12: OP 50
No glare found

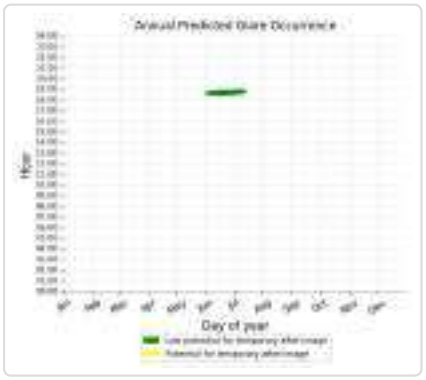
PV array 12: OP 51
No glare found

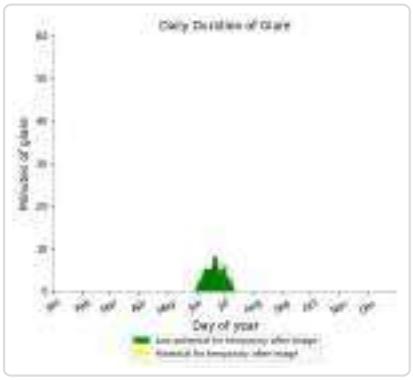
PV array 12: OP 52
No glare found

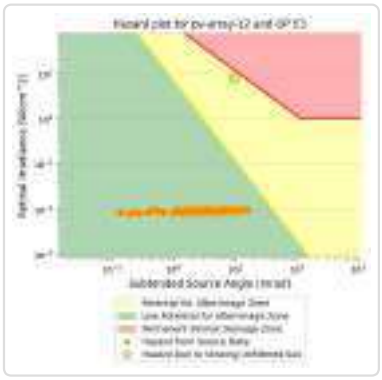
PV array 12: OP 53

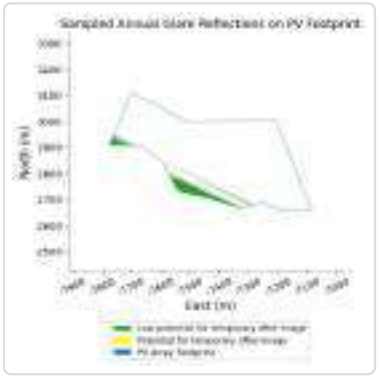
PV array is expected to produce the following glare for this receptor:

- 182 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





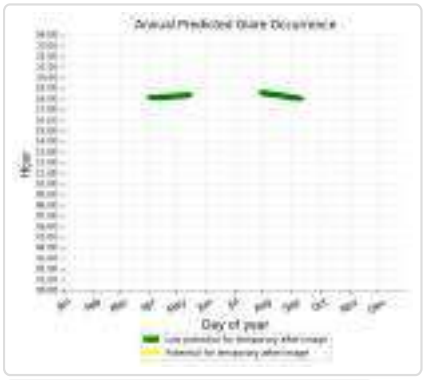


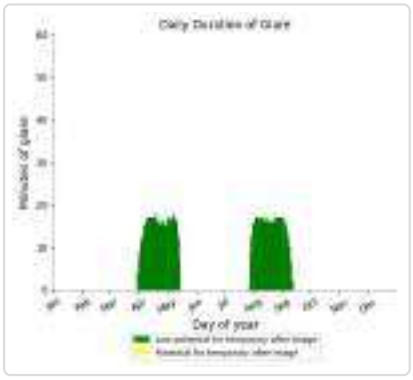


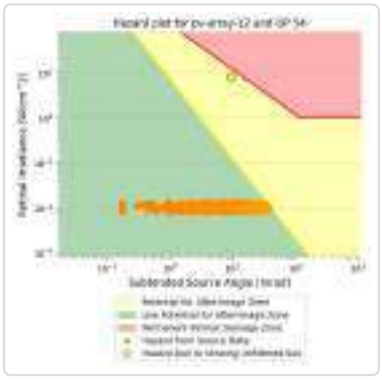
PV array 12: OP 54

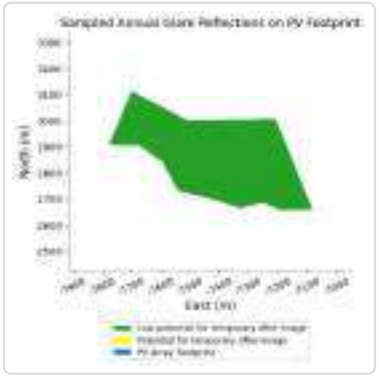
PV array is expected to produce the following glare for this receptor:

- 1,395 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





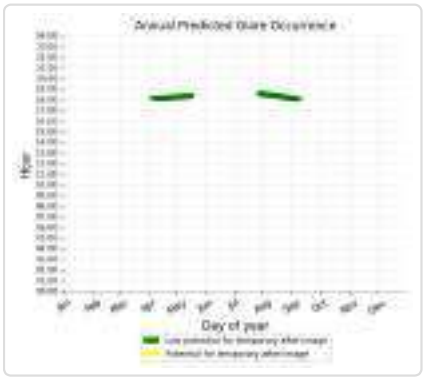


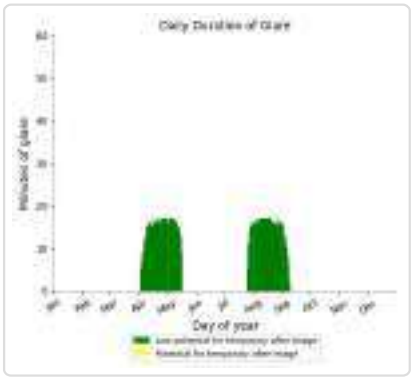


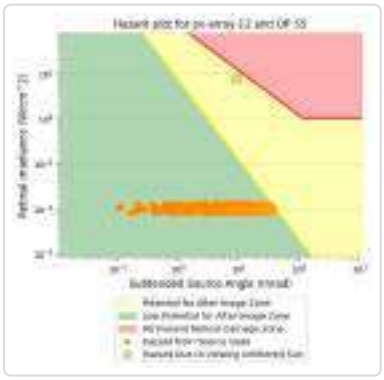
PV array 12: OP 55

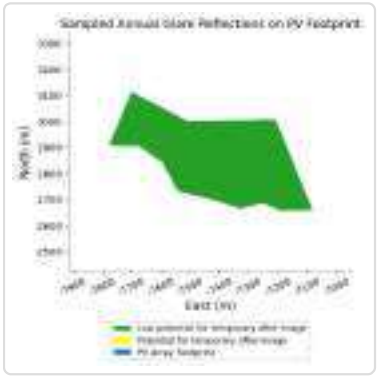
PV array is expected to produce the following glare for this receptor:

- 1,361 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





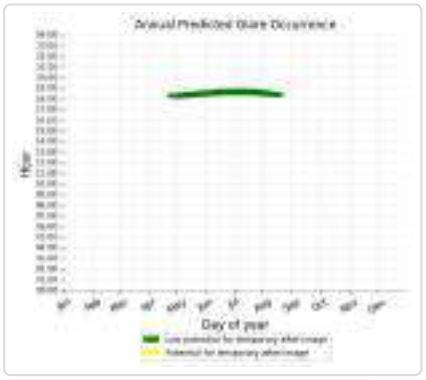


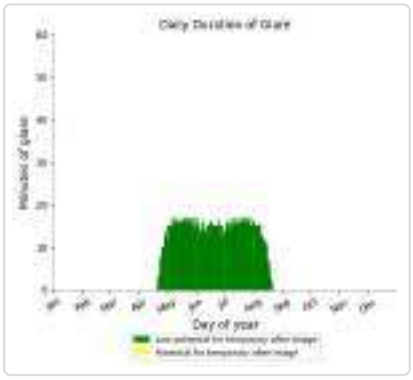


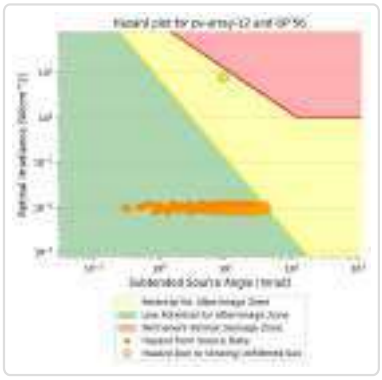
PV array 12: OP 56

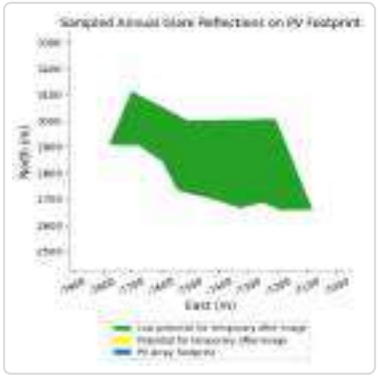
PV array is expected to produce the following glare for this receptor:

- 1,771 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





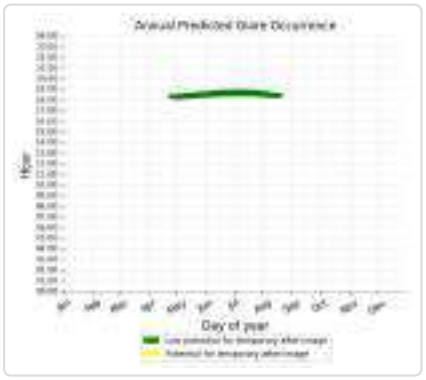


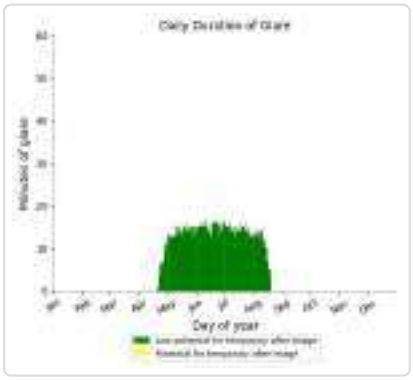


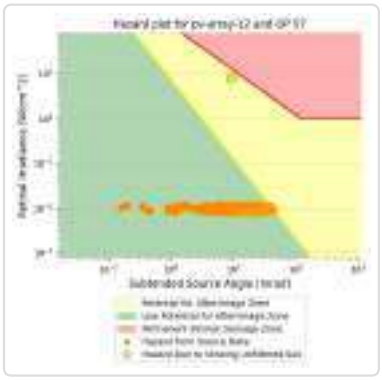
PV array 12: OP 57

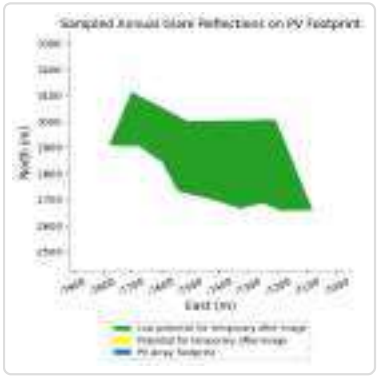
PV array is expected to produce the following glare for this receptor:

- 1,611 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





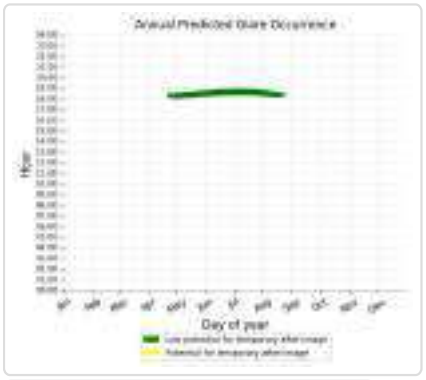


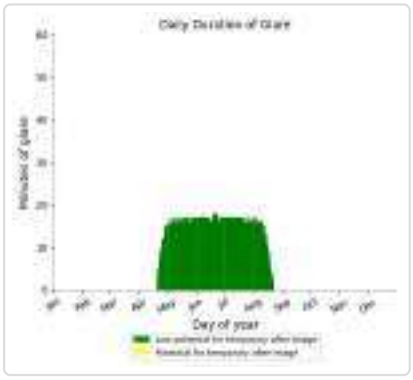


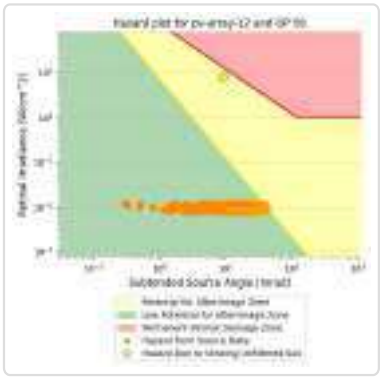
PV array 12: OP 58

PV array is expected to produce the following glare for this receptor:

- 1,928 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







PV array 2 low potential for temporary after-image

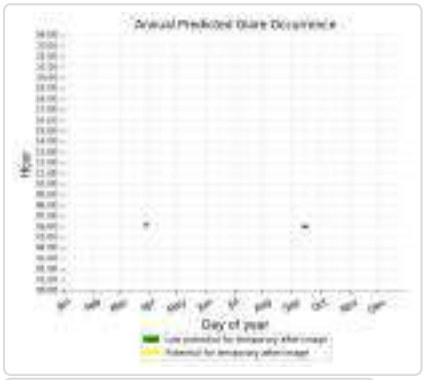
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	17	0
OP: OP 2	51	0
OP: OP 3	64	0
OP: OP 4	67	0
OP: OP 5	94	0
OP: OP 6	85	0
OP: OP 7	133	0
OP: OP 8	143	0
OP: OP 9	193	0
OP: OP 10	87	0
OP: OP 11	125	0
OP: OP 12	163	0
OP: OP 13	202	0
OP: OP 14	213	0
OP: OP 15	272	0
OP: OP 16	271	0
OP: OP 17	199	0
OP: OP 18	438	0
OP: OP 19	519	0
OP: OP 20	496	0
OP: OP 21	394	0
OP: OP 22	638	0
OP: OP 23	559	0
OP: OP 24	610	0
OP: OP 25	299	0
OP: OP 26	290	0
OP: OP 27	290	0
OP: OP 28	232	0
OP: OP 29	503	0
OP: OP 30	407	0
OP: OP 31	373	0
OP: OP 32	330	0
OP: OP 33	209	0
OP: OP 34	165	0
OP: OP 35	210	0
OP: OP 36	172	0
OP: OP 37	96	0
OP: OP 38	46	0
OP: OP 39	54	0
OP: OP 40	21	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0

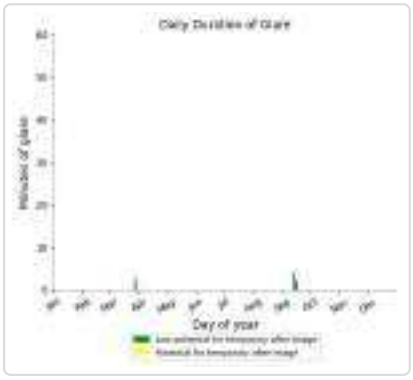
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

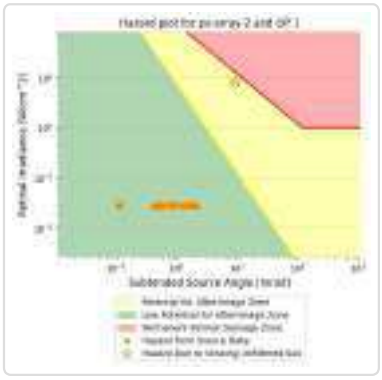
PV array 2: OP 1

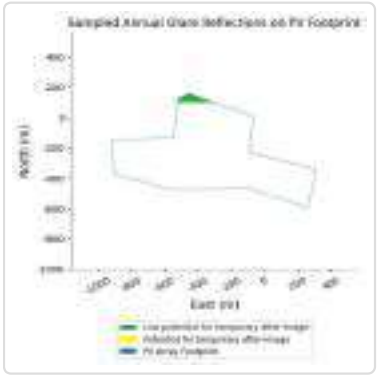
PV array is expected to produce the following glare for this receptor:

- 17 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





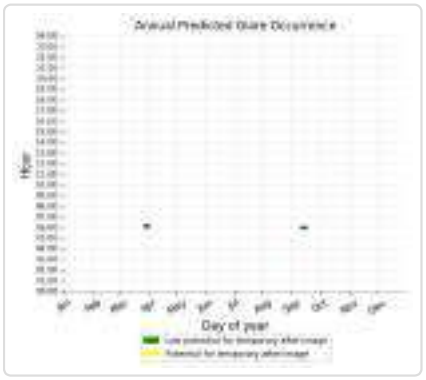


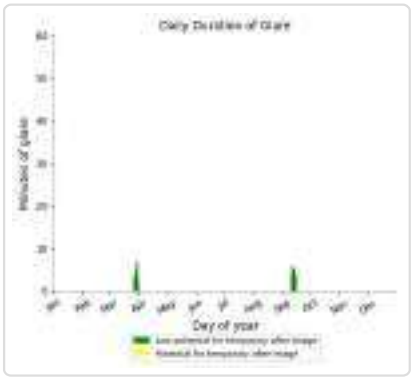


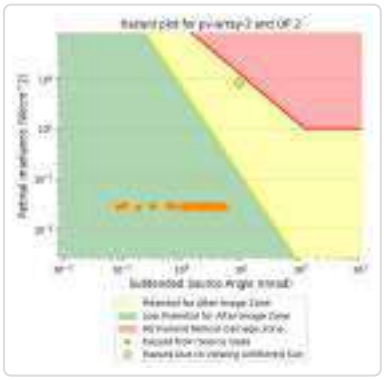
PV array 2: OP 2

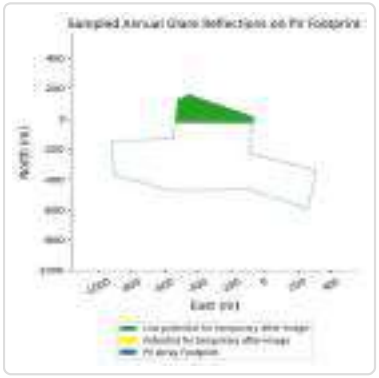
PV array is expected to produce the following glare for this receptor:

- 51 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





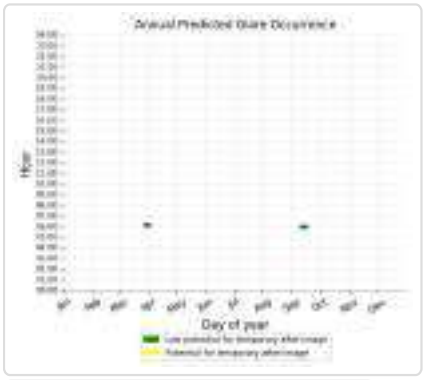


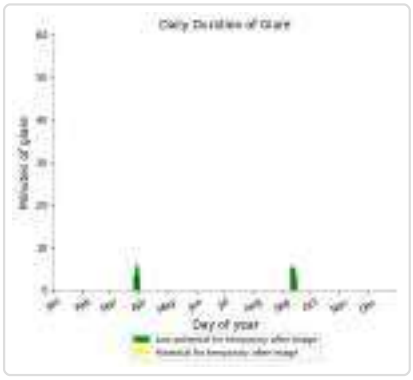


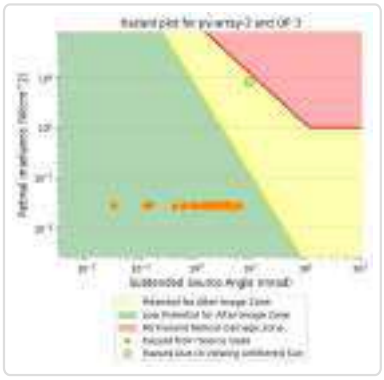
PV array 2: OP 3

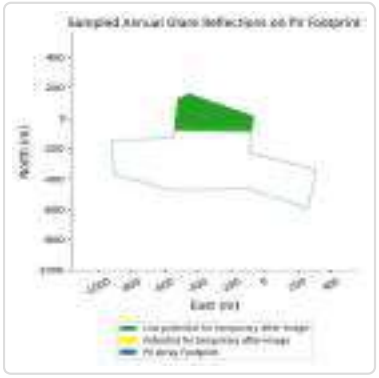
PV array is expected to produce the following glare for this receptor:

- 64 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





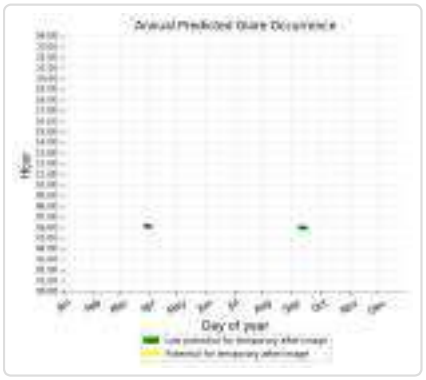


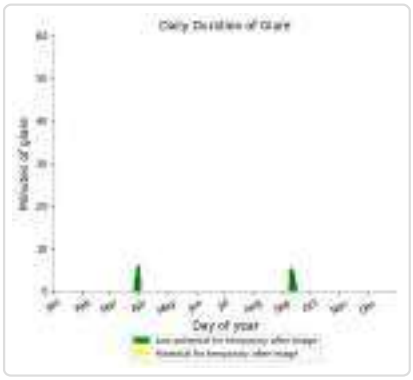


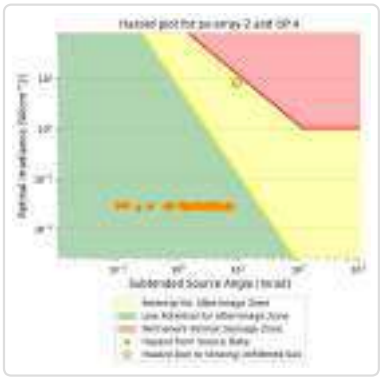
PV array 2: OP 4

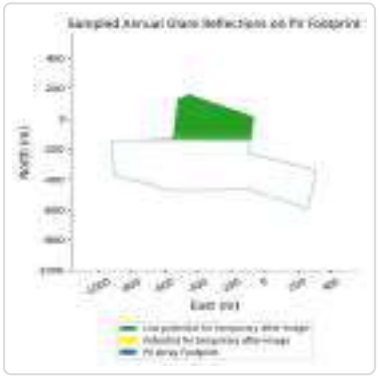
PV array is expected to produce the following glare for this receptor:

- 67 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





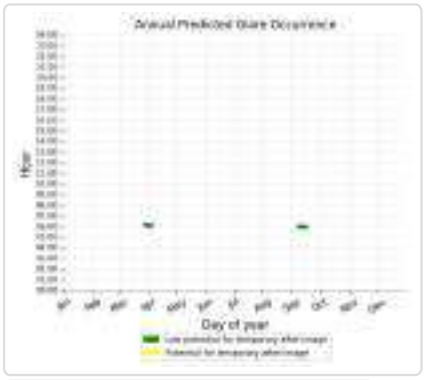


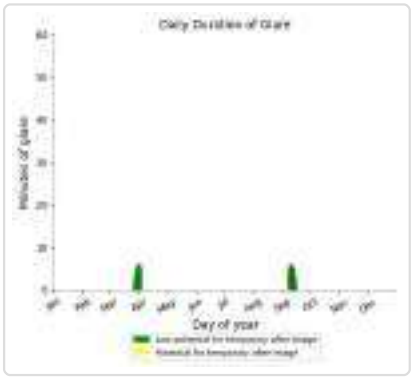


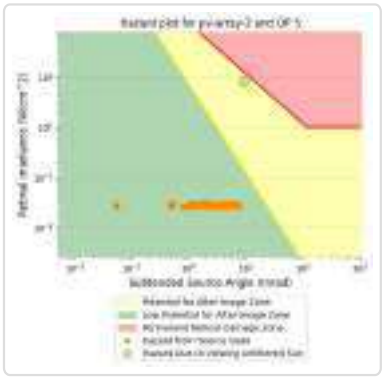
PV array 2: OP 5

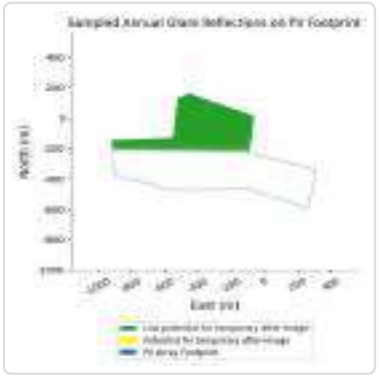
PV array is expected to produce the following glare for this receptor:

- 94 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





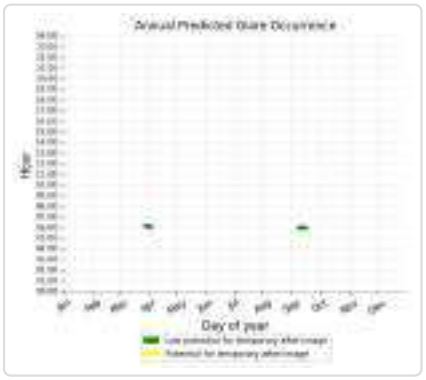


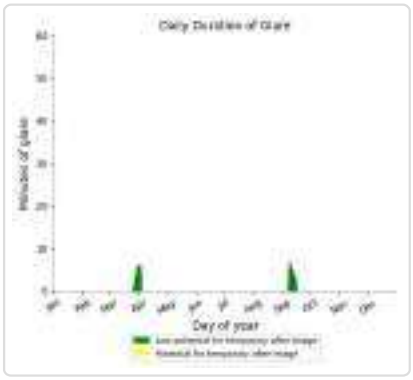


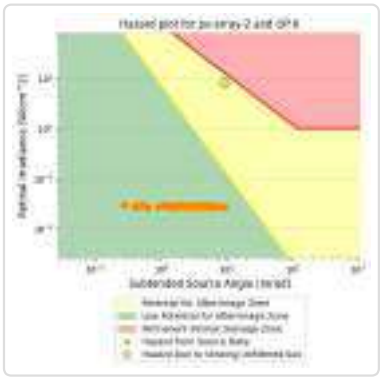
PV array 2: OP 6

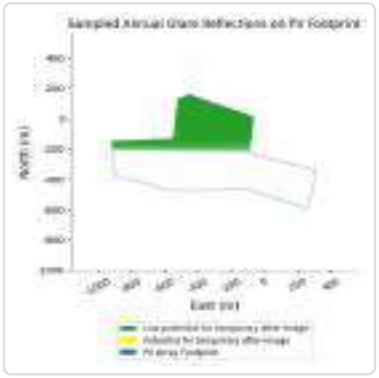
PV array is expected to produce the following glare for this receptor:

- 85 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





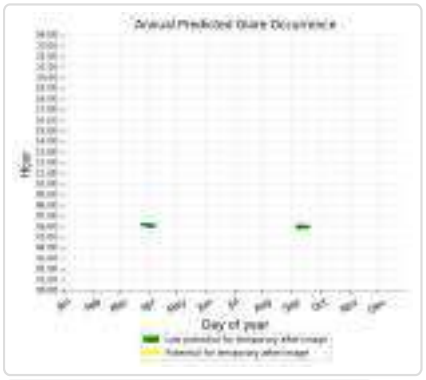


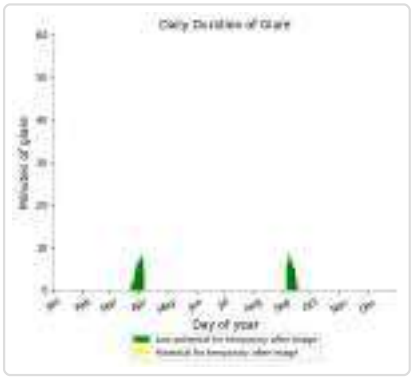


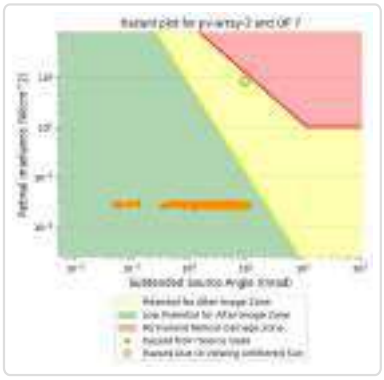
PV array 2: OP 7

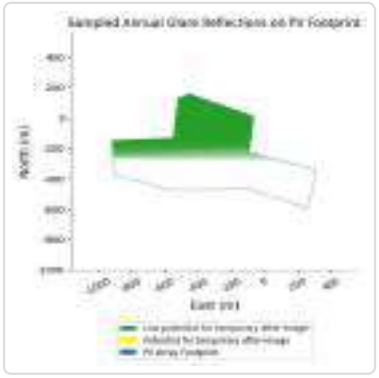
PV array is expected to produce the following glare for this receptor:

- 133 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





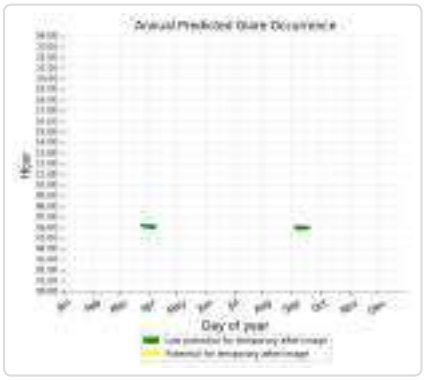


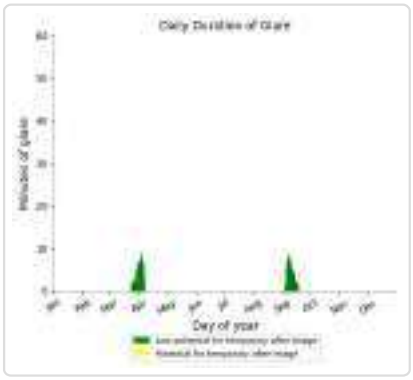


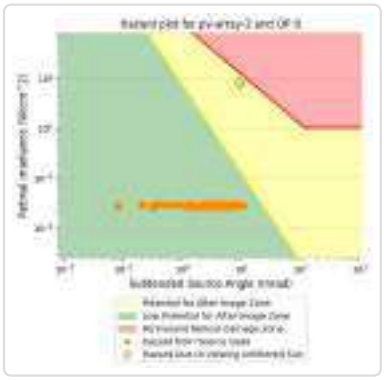
PV array 2: OP 8

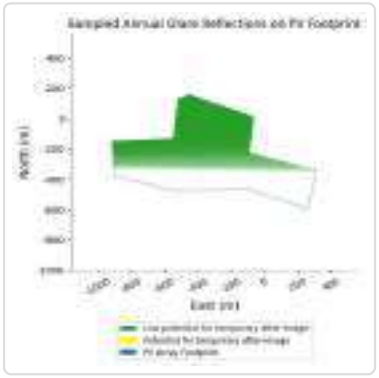
PV array is expected to produce the following glare for this receptor:

- 143 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





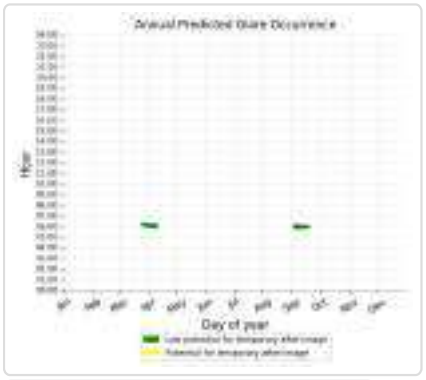


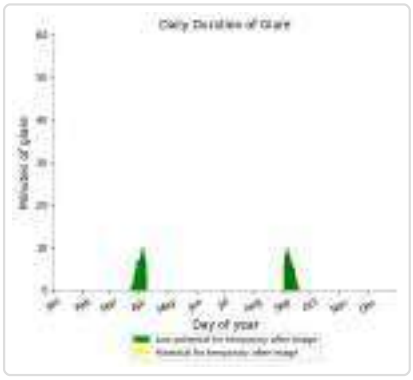


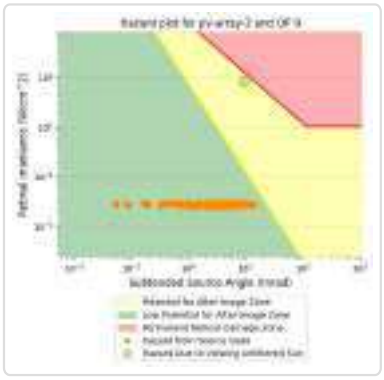
PV array 2: OP 9

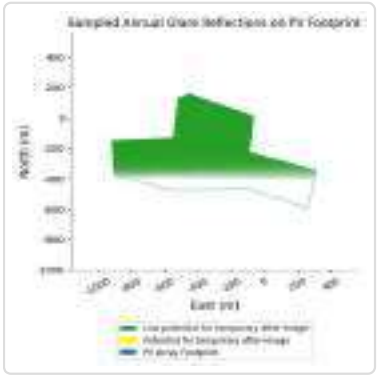
PV array is expected to produce the following glare for this receptor:

- 193 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





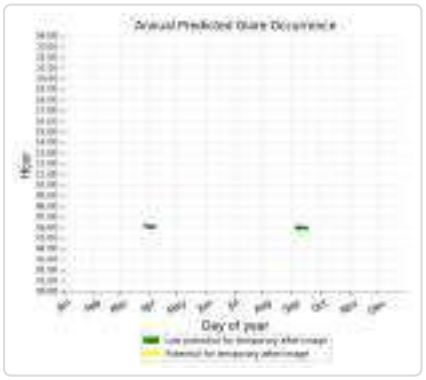


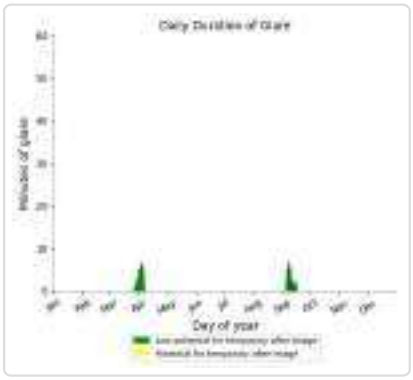


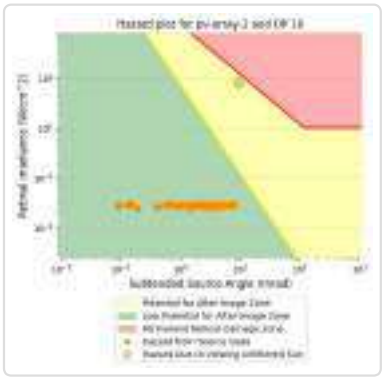
PV array 2: OP 10

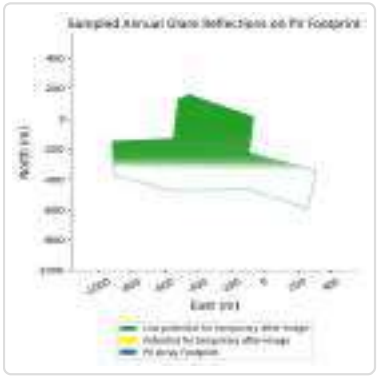
PV array is expected to produce the following glare for this receptor:

- 87 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





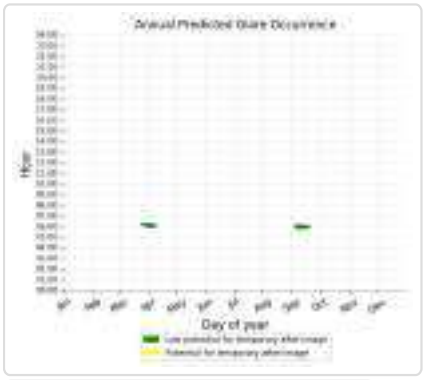


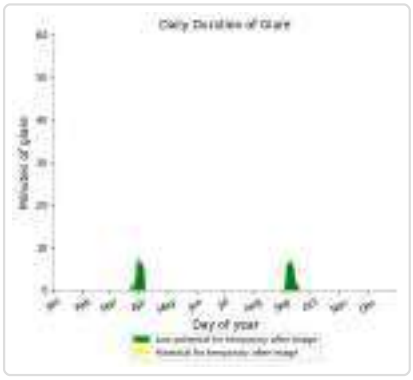


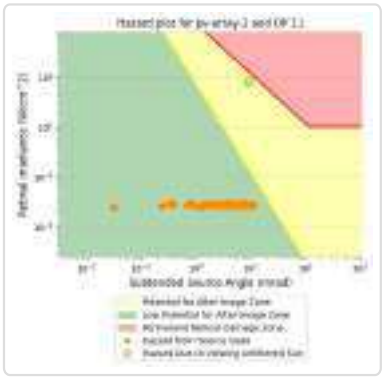
PV array 2: OP 11

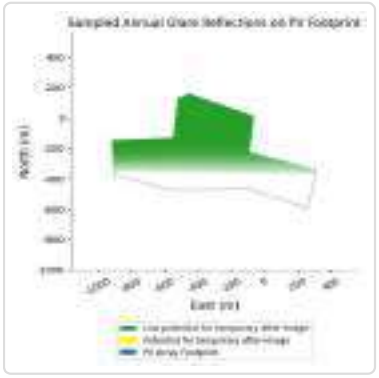
PV array is expected to produce the following glare for this receptor:

- 125 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





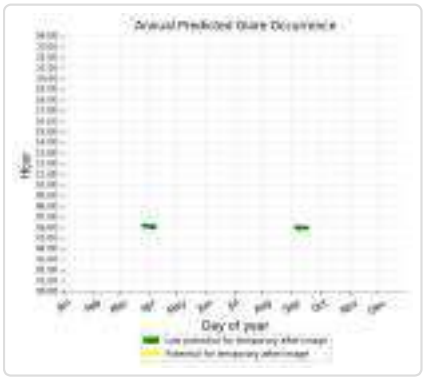


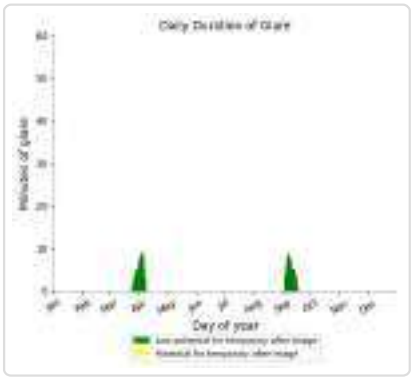


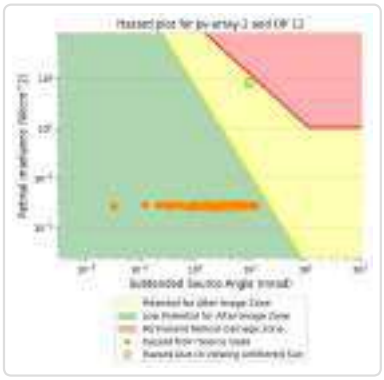
PV array 2: OP 12

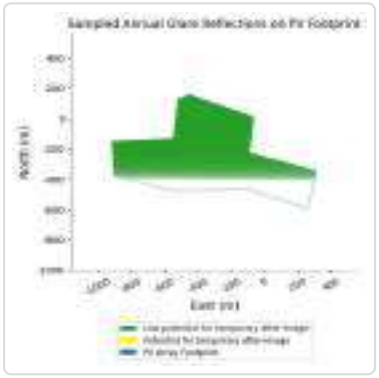
PV array is expected to produce the following glare for this receptor:

- 163 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





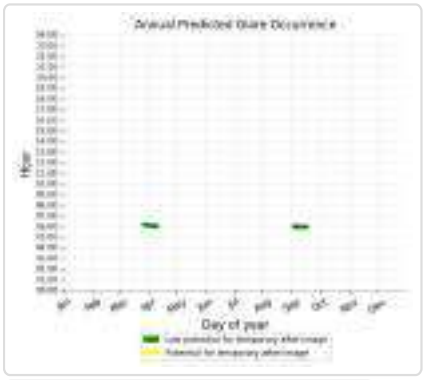


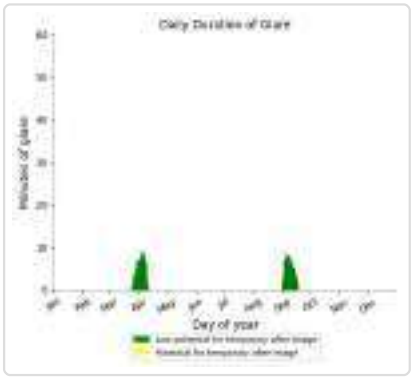


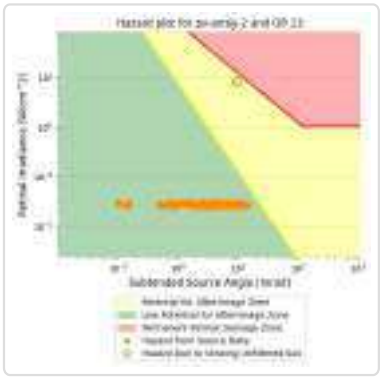
PV array 2: OP 13

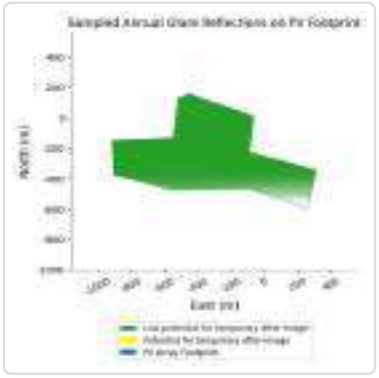
PV array is expected to produce the following glare for this receptor:

- 202 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





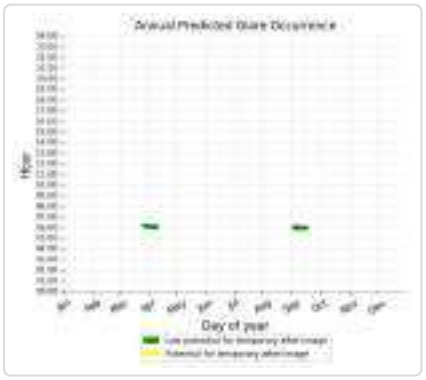


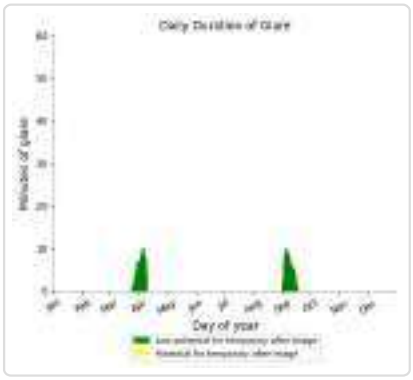


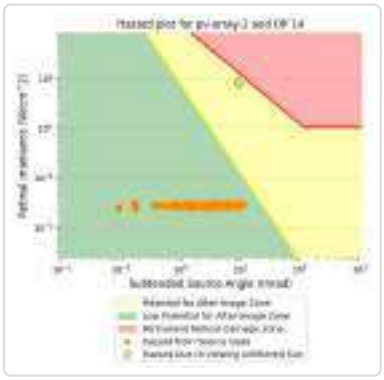
PV array 2: OP 14

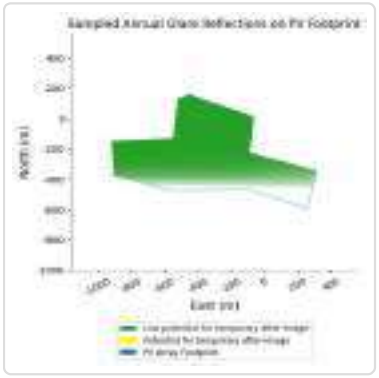
PV array is expected to produce the following glare for this receptor:

- 213 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





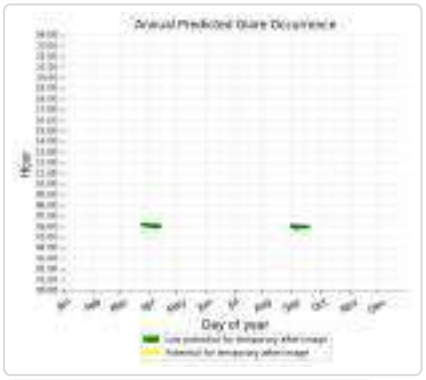


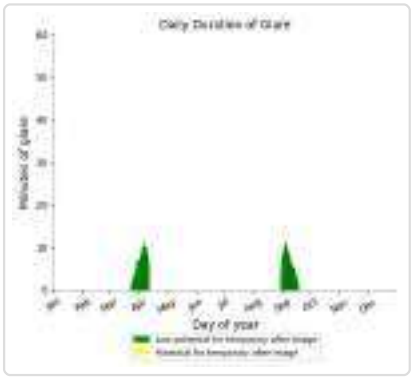


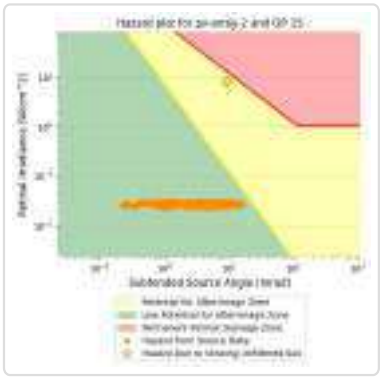
PV array 2: OP 15

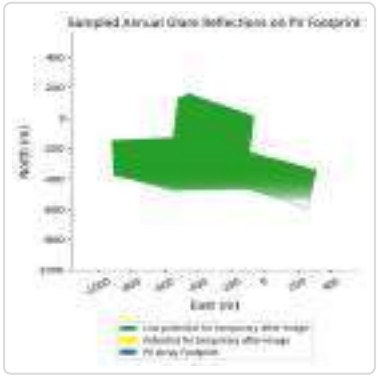
PV array is expected to produce the following glare for this receptor:

- 272 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





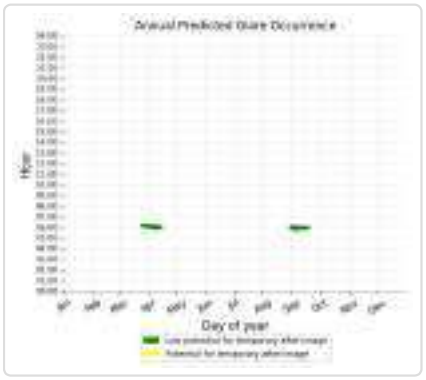


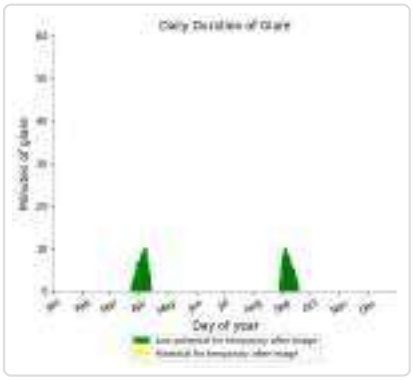


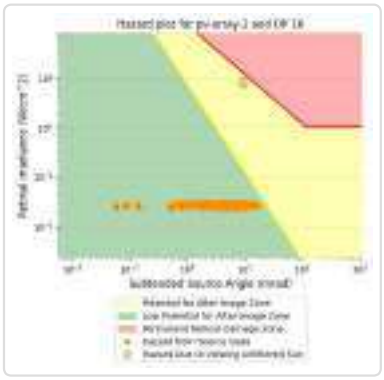
PV array 2: OP 16

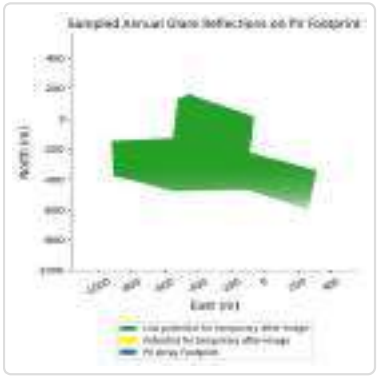
PV array is expected to produce the following glare for this receptor:

- 271 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





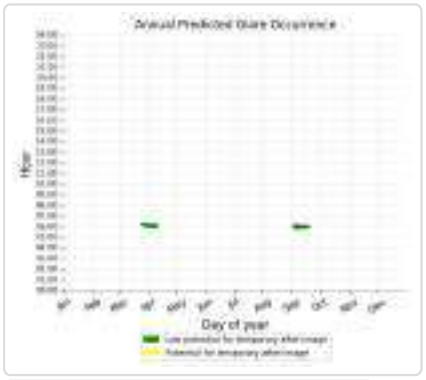


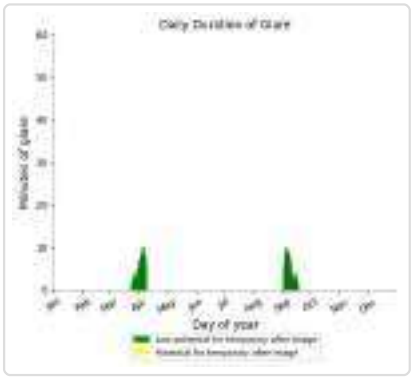


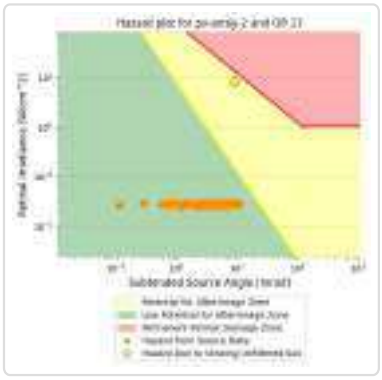
PV array 2: OP 17

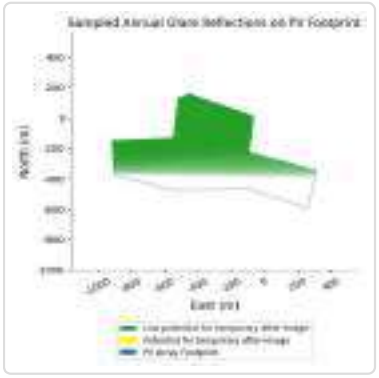
PV array is expected to produce the following glare for this receptor:

- 199 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





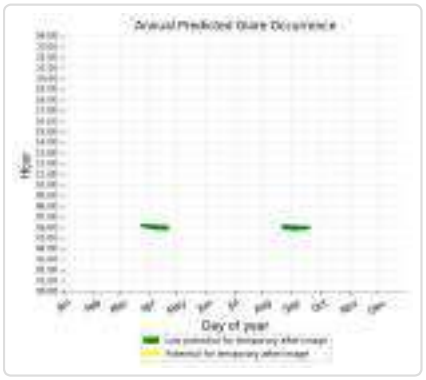


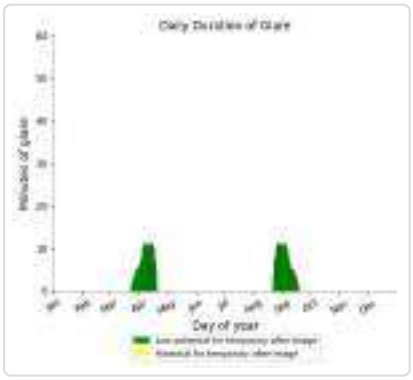


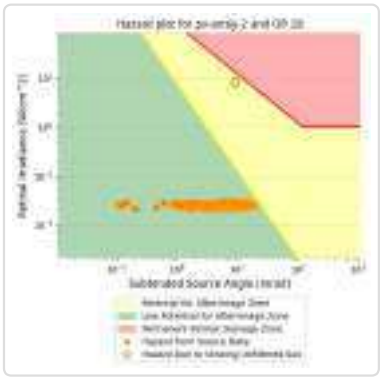
PV array 2: OP 18

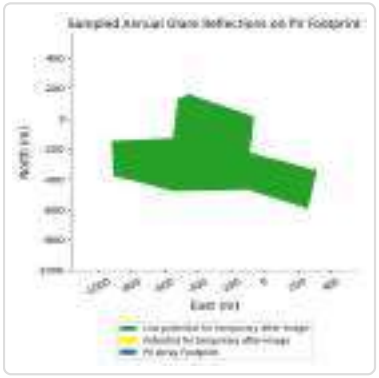
PV array is expected to produce the following glare for this receptor:

- 438 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





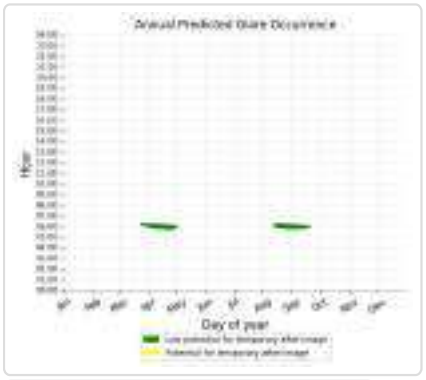


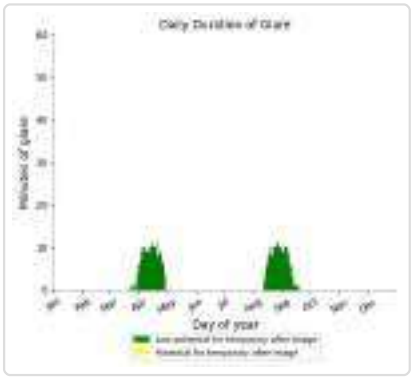


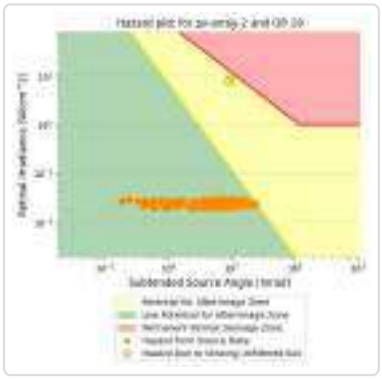
PV array 2: OP 19

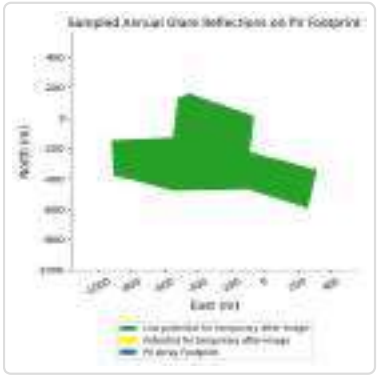
PV array is expected to produce the following glare for this receptor:

- 519 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





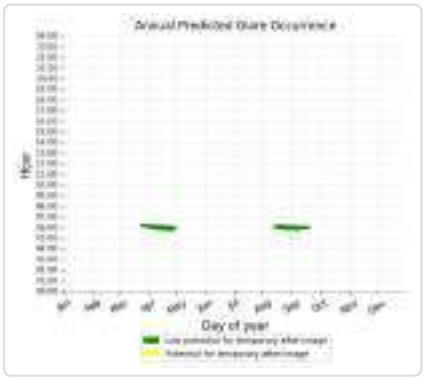


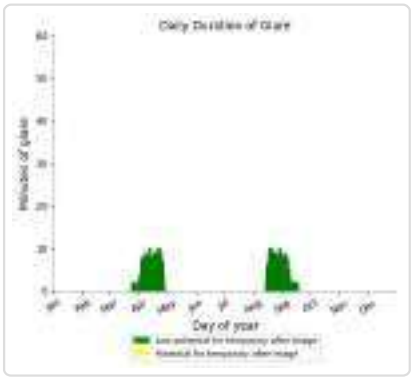


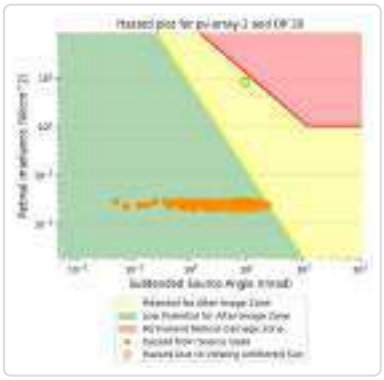
PV array 2: OP 20

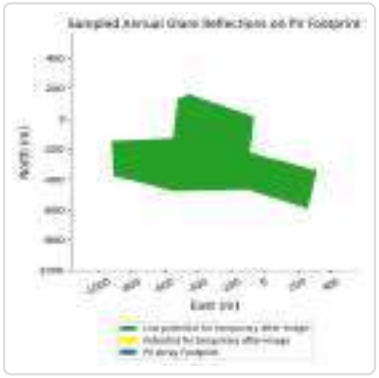
PV array is expected to produce the following glare for this receptor:

- 496 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





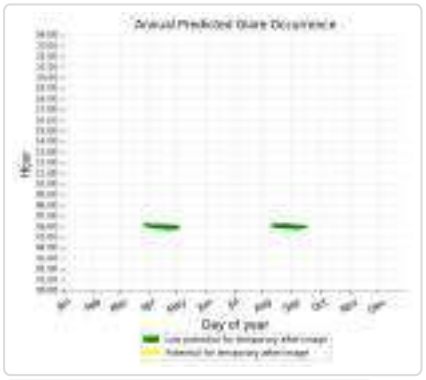


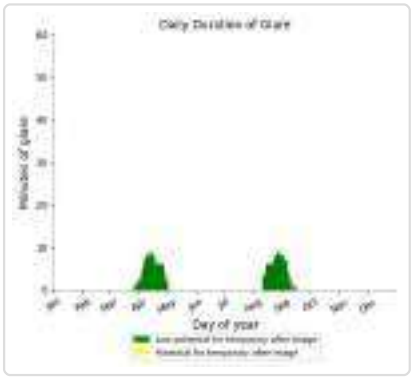


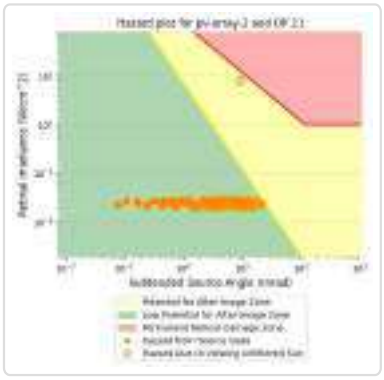
PV array 2: OP 21

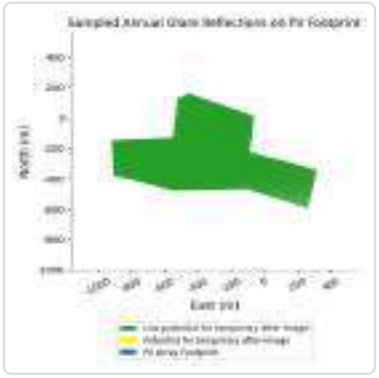
PV array is expected to produce the following glare for this receptor:

- 394 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





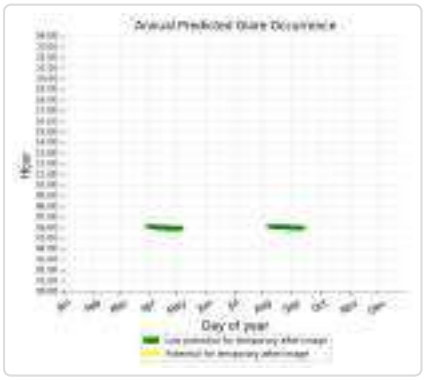


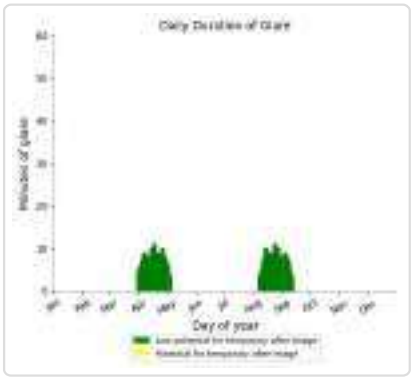


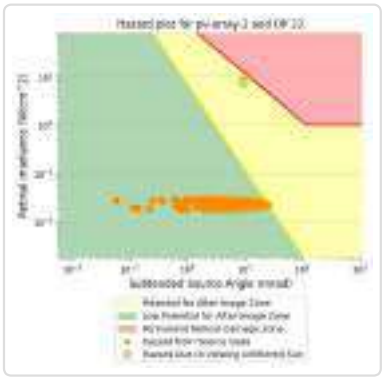
PV array 2: OP 22

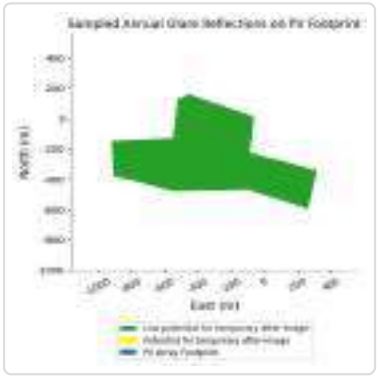
PV array is expected to produce the following glare for this receptor:

- 638 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





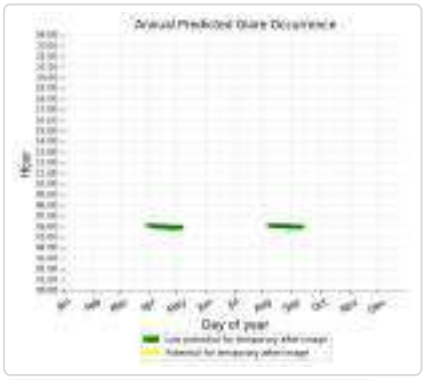


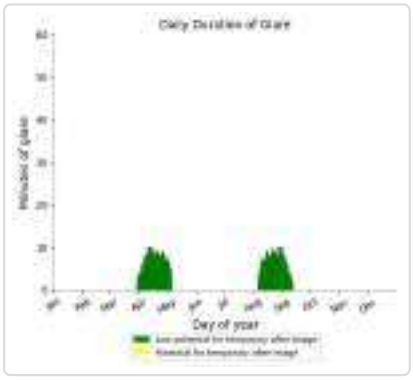


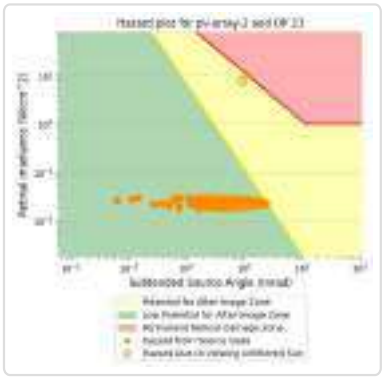
PV array 2: OP 23

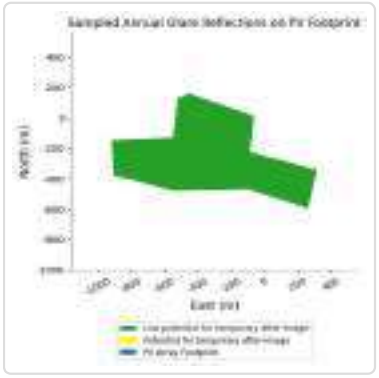
PV array is expected to produce the following glare for this receptor:

- 559 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





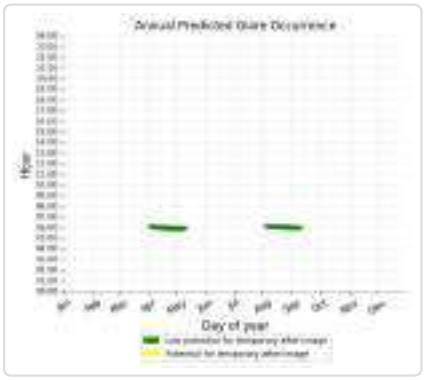


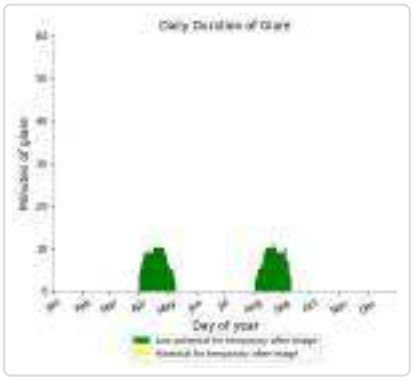


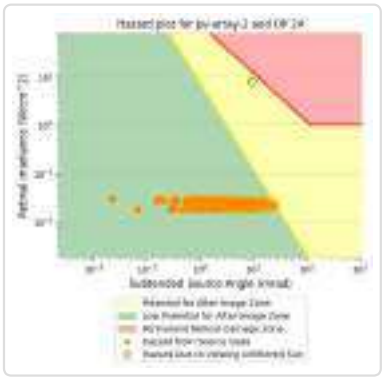
PV array 2: OP 24

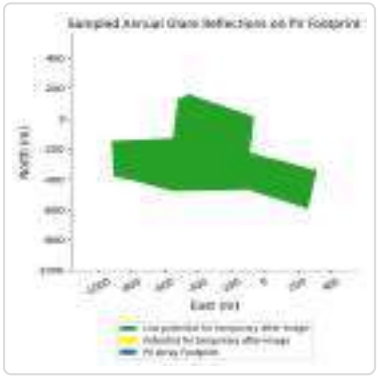
PV array is expected to produce the following glare for this receptor:

- 610 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





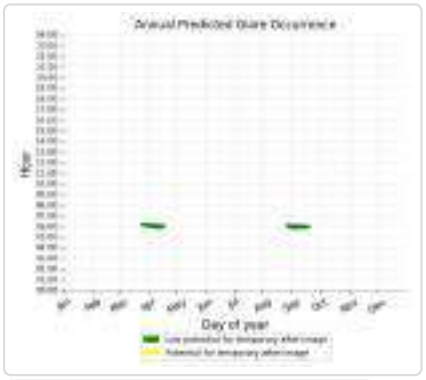


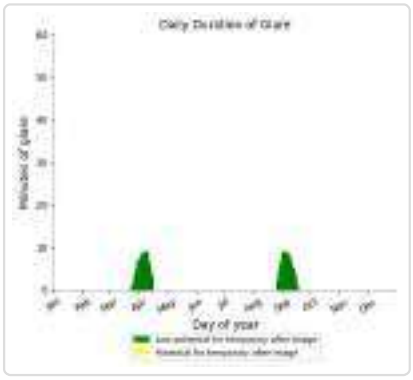


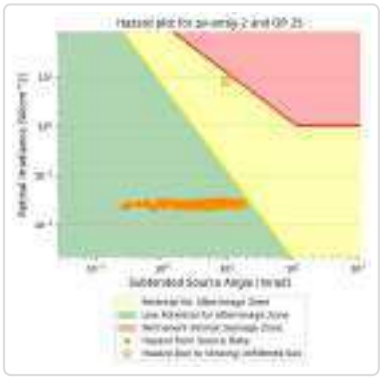
PV array 2: OP 25

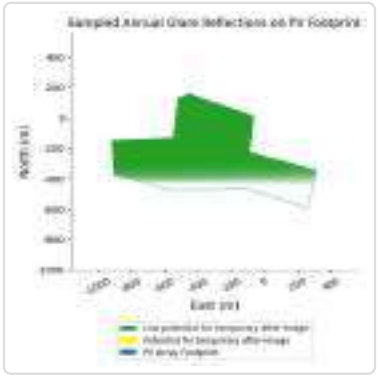
PV array is expected to produce the following glare for this receptor:

- 299 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





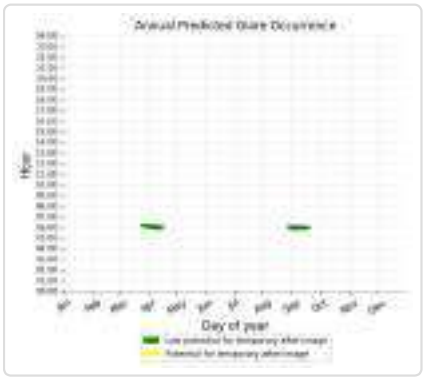


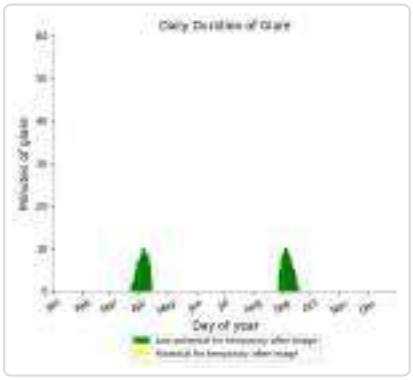


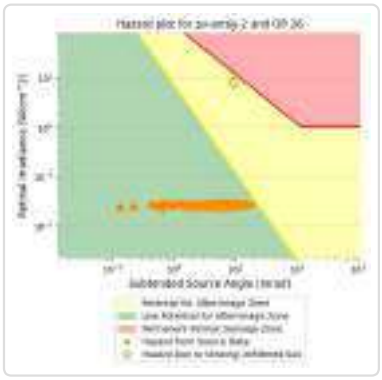
PV array 2: OP 26

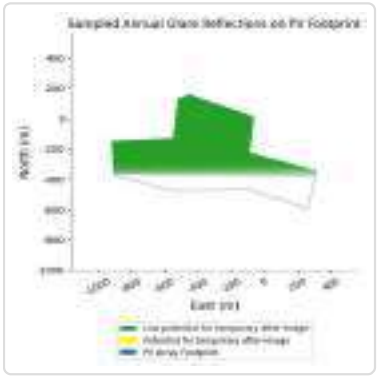
PV array is expected to produce the following glare for this receptor:

- 290 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





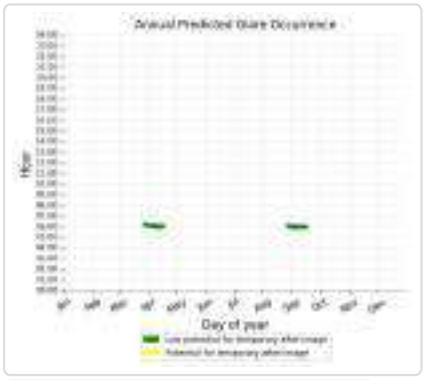


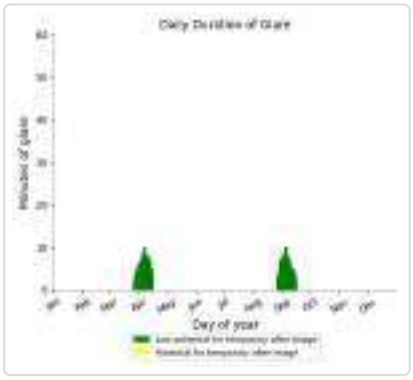


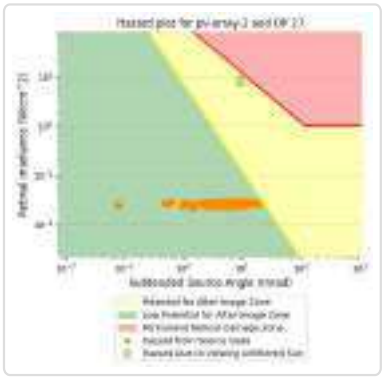
PV array 2: OP 27

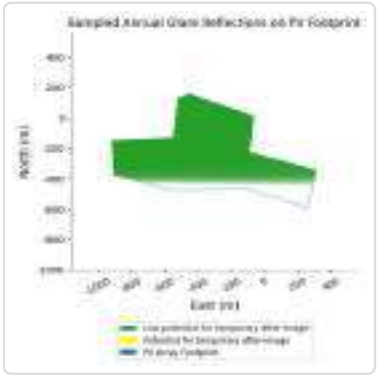
PV array is expected to produce the following glare for this receptor:

- 290 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





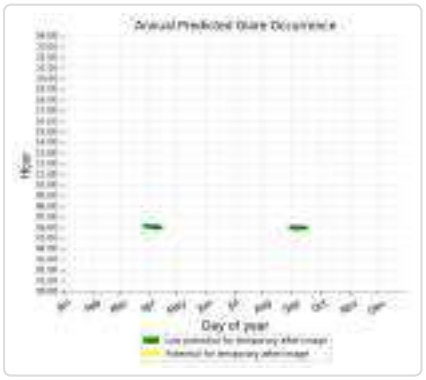


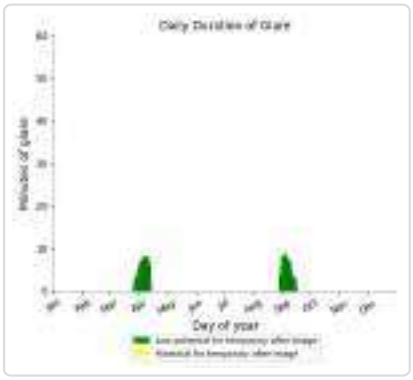


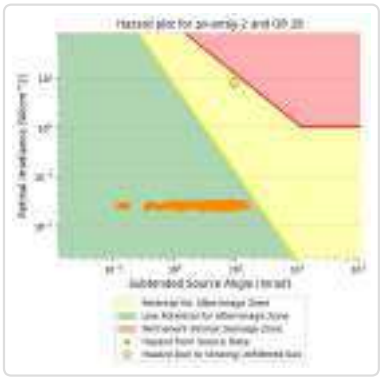
PV array 2: OP 28

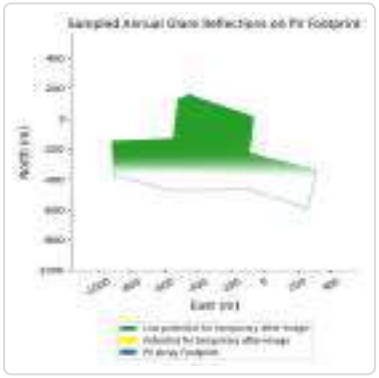
PV array is expected to produce the following glare for this receptor:

- 232 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





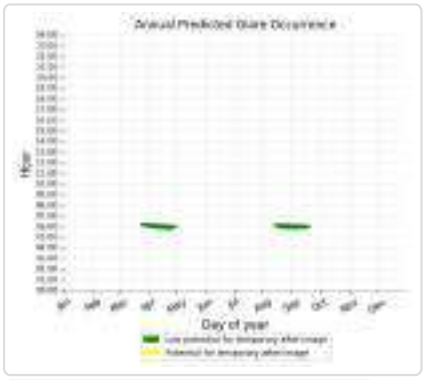


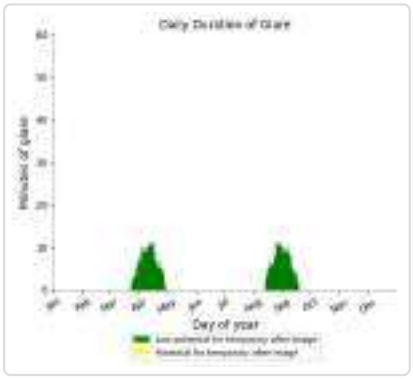


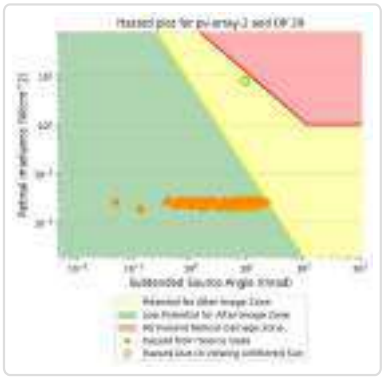
PV array 2: OP 29

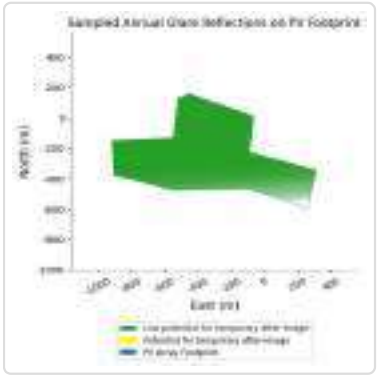
PV array is expected to produce the following glare for this receptor:

- 503 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





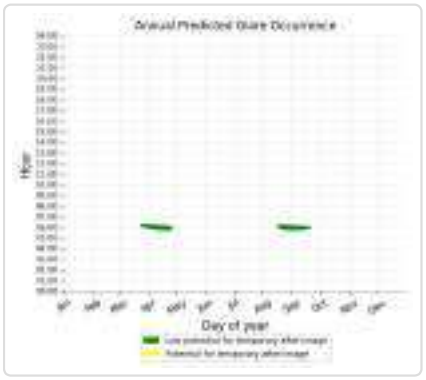


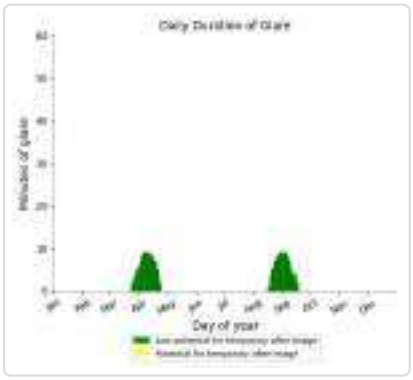


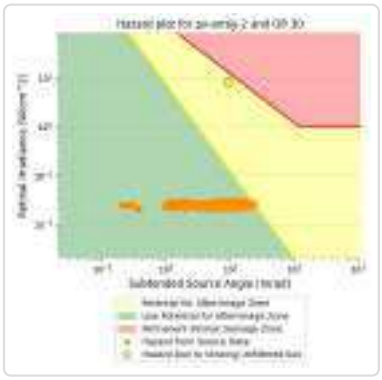
PV array 2: OP 30

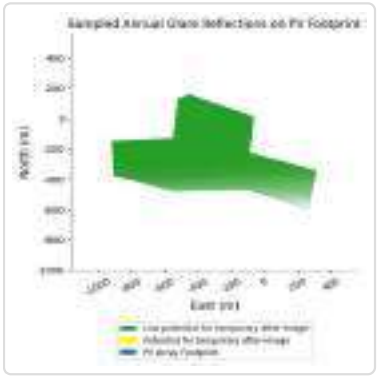
PV array is expected to produce the following glare for this receptor:

- 407 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





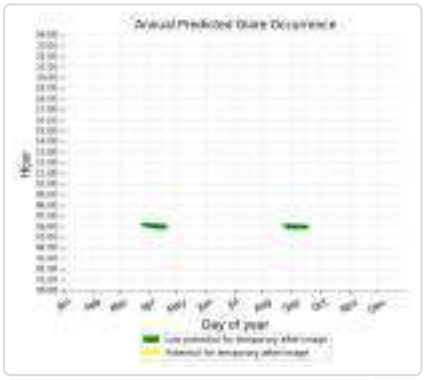


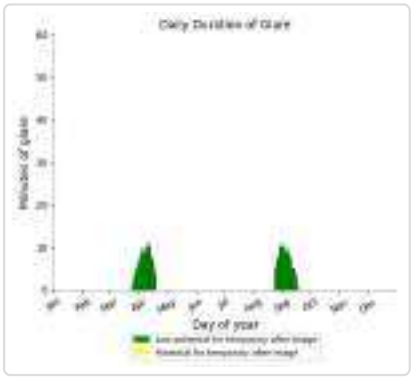


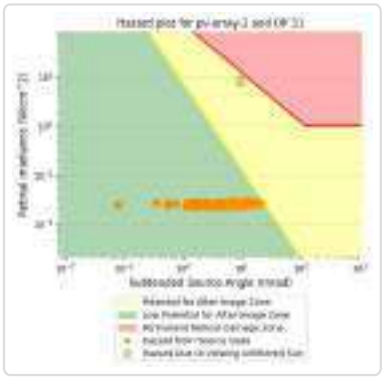
PV array 2: OP 31

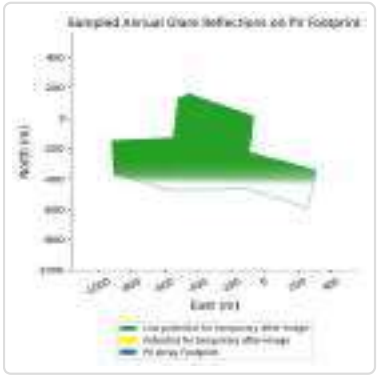
PV array is expected to produce the following glare for this receptor:

- 373 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





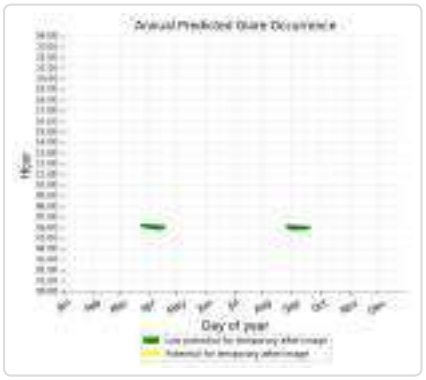


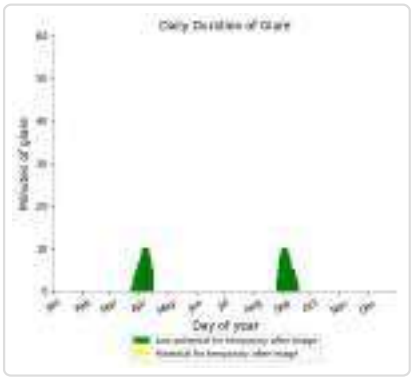


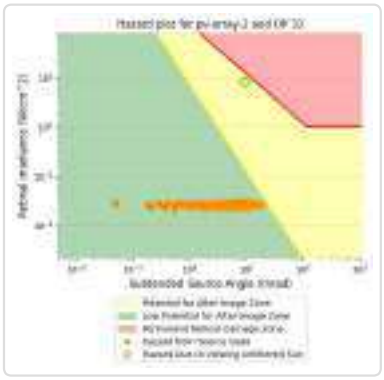
PV array 2: OP 32

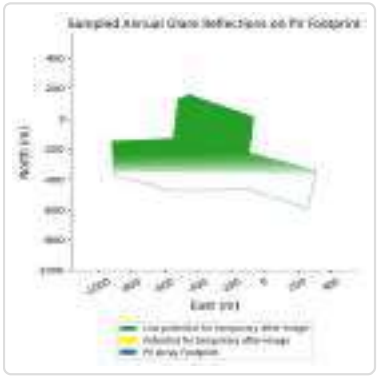
PV array is expected to produce the following glare for this receptor:

- 330 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





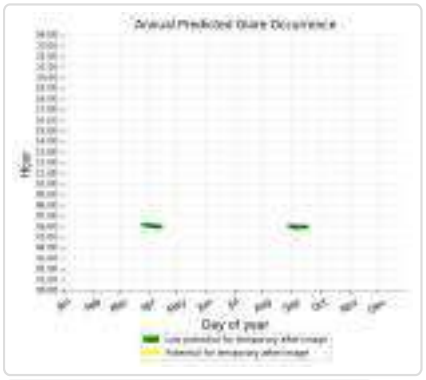


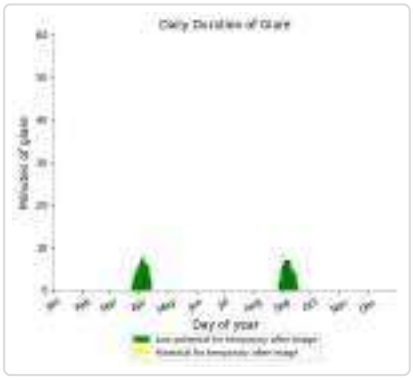


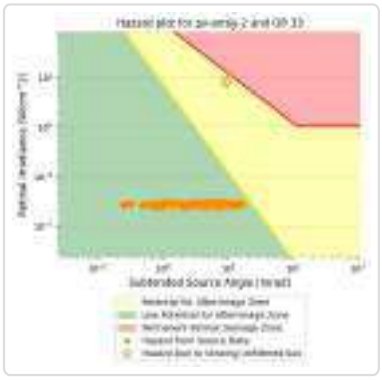
PV array 2: OP 33

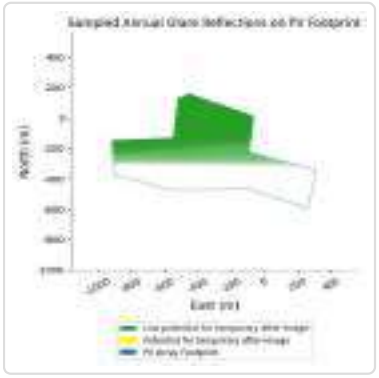
PV array is expected to produce the following glare for this receptor:

- 209 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





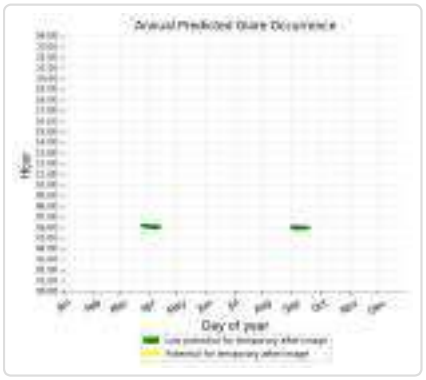


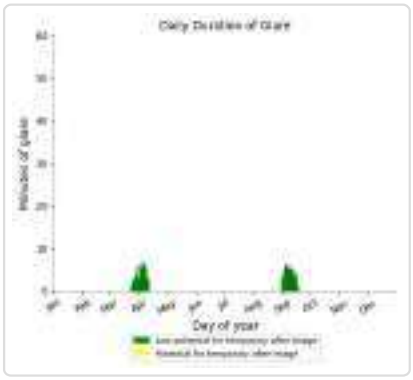


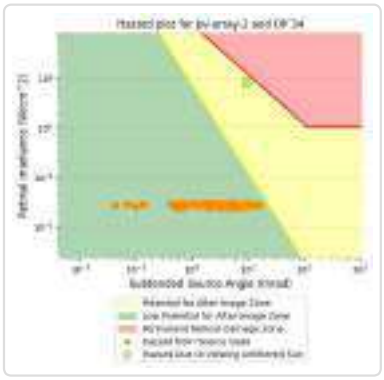
PV array 2: OP 34

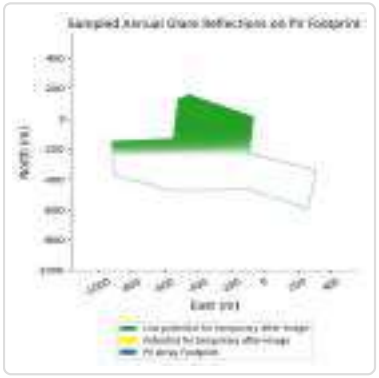
PV array is expected to produce the following glare for this receptor:

- 165 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





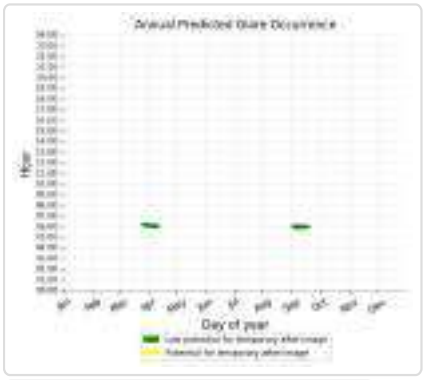


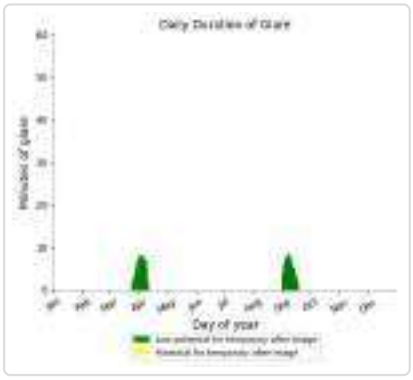


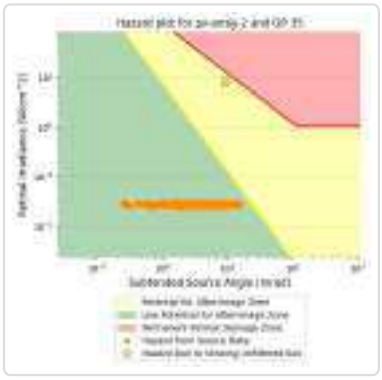
PV array 2: OP 35

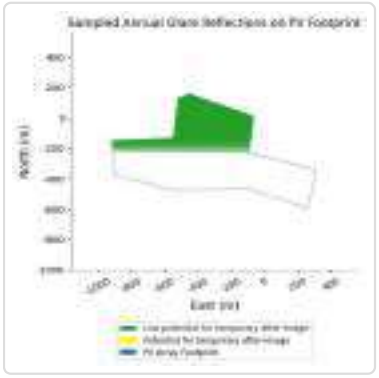
PV array is expected to produce the following glare for this receptor:

- 210 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





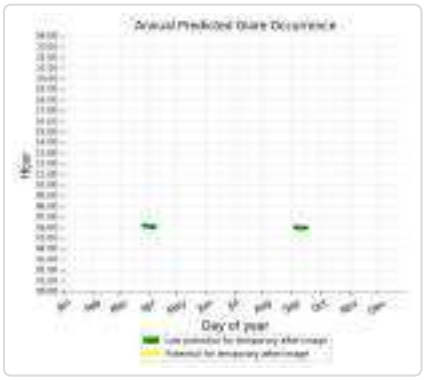


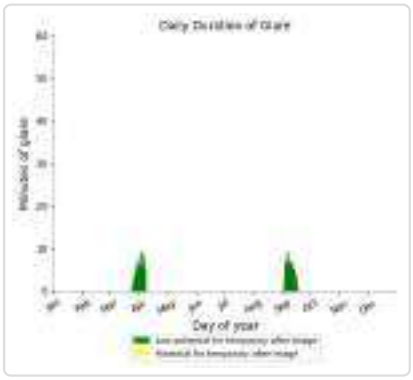


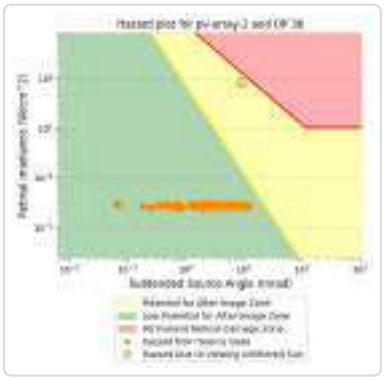
PV array 2: OP 36

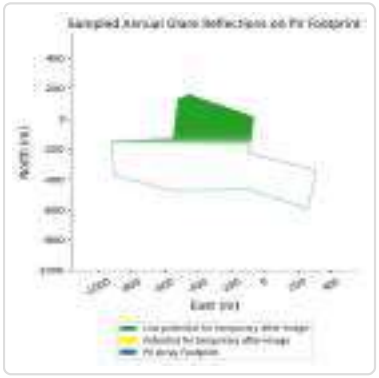
PV array is expected to produce the following glare for this receptor:

- 172 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





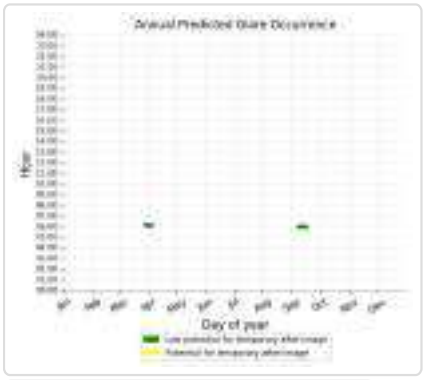


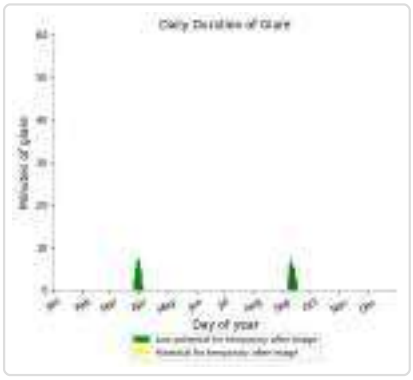


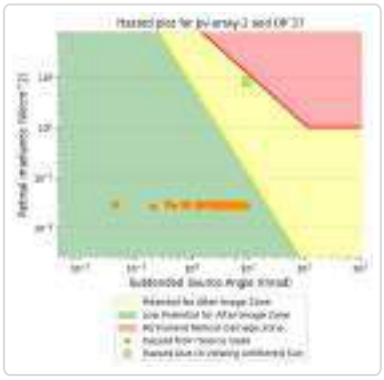
PV array 2: OP 37

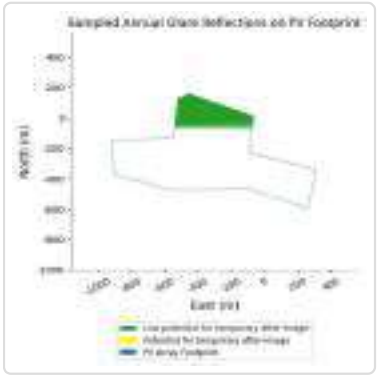
PV array is expected to produce the following glare for this receptor:

- 96 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





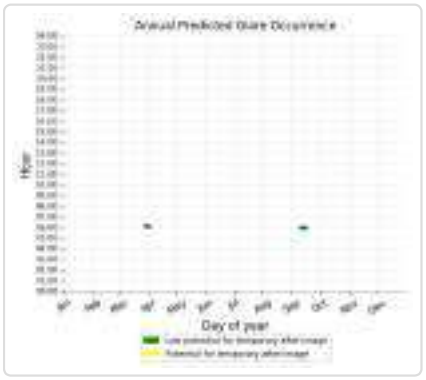


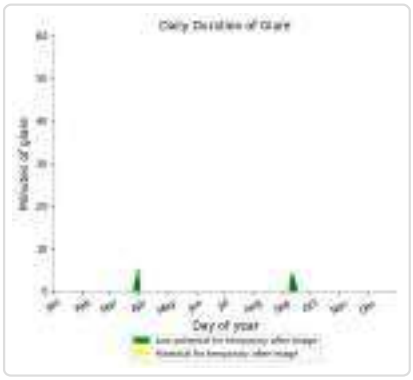


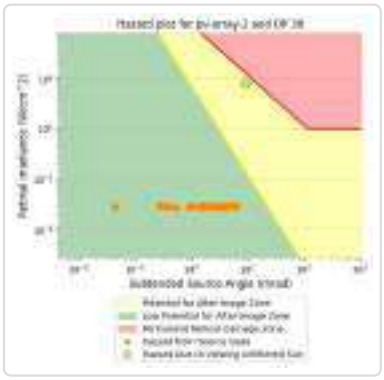
PV array 2: OP 38

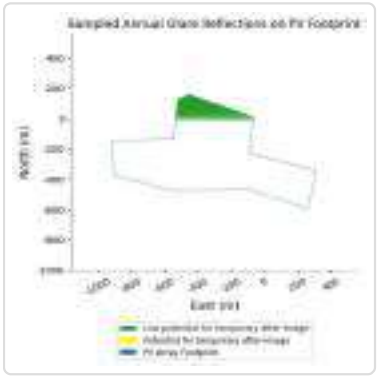
PV array is expected to produce the following glare for this receptor:

- 46 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





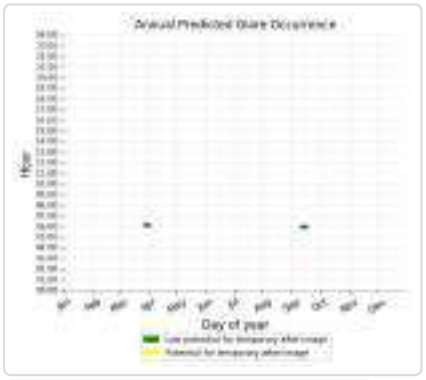


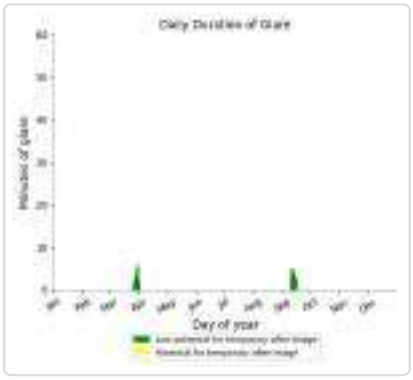


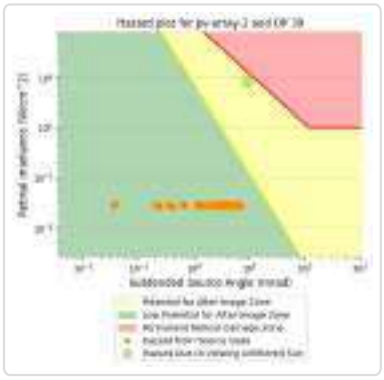
PV array 2: OP 39

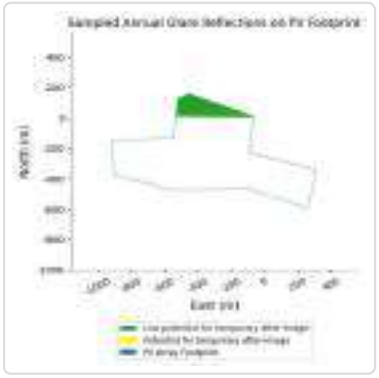
PV array is expected to produce the following glare for this receptor:

- 54 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





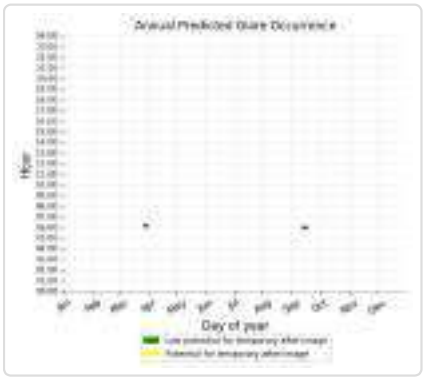


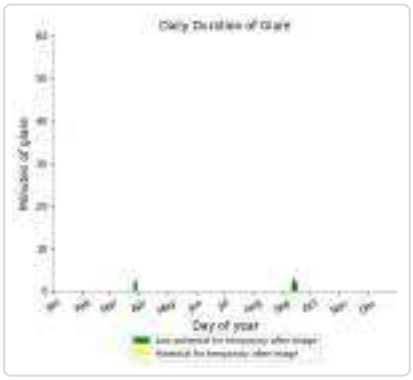


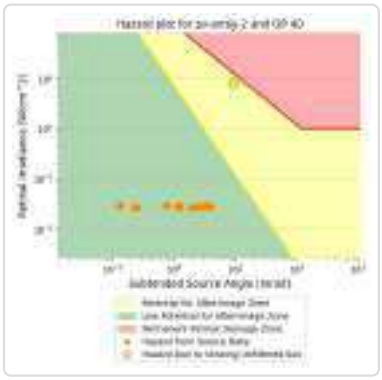
PV array 2: OP 40

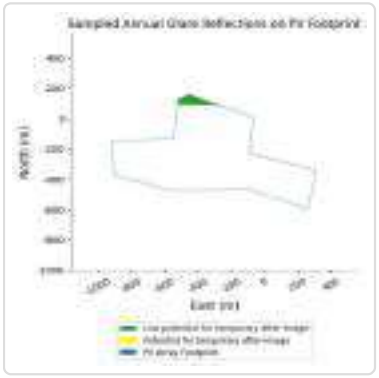
PV array is expected to produce the following glare for this receptor:

- 21 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 2: OP 41

No glare found

PV array 2: OP 42

No glare found

PV array 2: OP 43

No glare found

PV array 2: OP 44

No glare found

PV array 2: OP 45

No glare found

PV array 2: OP 46

No glare found

PV array 2: OP 47

No glare found

PV array 2: OP 48

No glare found

PV array 2: OP 49
No glare found

PV array 2: OP 50
No glare found

PV array 2: OP 51
No glare found

PV array 2: OP 52
No glare found

PV array 2: OP 53
No glare found

PV array 2: OP 54
No glare found

PV array 2: OP 55
No glare found

PV array 2: OP 56
No glare found

PV array 2: OP 57
No glare found

PV array 2: OP 58
No glare found

PV array 3 potential temporary after-image

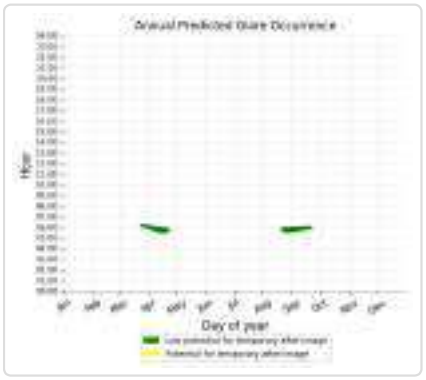
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	484	0
OP: OP 2	562	0
OP: OP 3	613	0
OP: OP 4	605	0
OP: OP 5	754	0
OP: OP 6	716	0
OP: OP 7	852	0
OP: OP 8	880	0
OP: OP 9	909	0
OP: OP 10	773	0
OP: OP 11	727	0
OP: OP 12	840	0
OP: OP 13	980	0

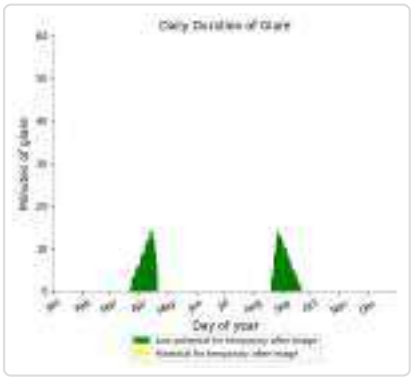
OP: OP 14	1051	0
OP: OP 15	1145	0
OP: OP 16	1133	0
OP: OP 17	1075	0
OP: OP 18	1686	0
OP: OP 19	2143	0
OP: OP 20	2105	0
OP: OP 21	1881	0
OP: OP 22	1969	0
OP: OP 23	1964	0
OP: OP 24	1849	0
OP: OP 25	2354	0
OP: OP 26	2417	0
OP: OP 27	2340	0
OP: OP 28	2518	0
OP: OP 29	1768	110
OP: OP 30	1968	104
OP: OP 31	2168	20
OP: OP 32	2351	6
OP: OP 33	2240	19
OP: OP 34	2325	18
OP: OP 35	2353	6
OP: OP 36	2203	0
OP: OP 37	1947	0
OP: OP 38	2240	0
OP: OP 39	1640	0
OP: OP 40	1582	0
OP: OP 41	1350	0
OP: OP 42	1113	0
OP: OP 43	892	0
OP: OP 44	952	0
OP: OP 45	832	0
OP: OP 46	722	0
OP: OP 47	815	0
OP: OP 48	695	0
OP: OP 49	316	0
OP: OP 50	321	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

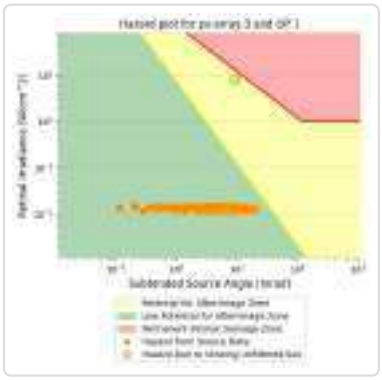
PV array 3: OP 1

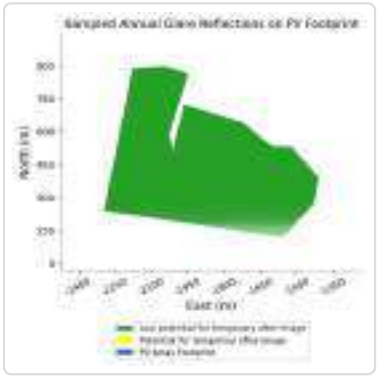
PV array is expected to produce the following glare for this receptor:

- 484 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





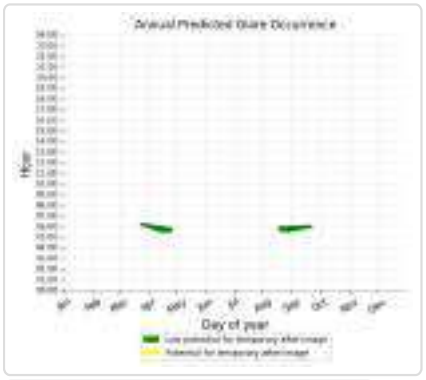


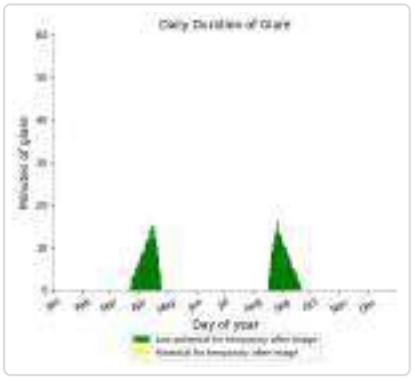


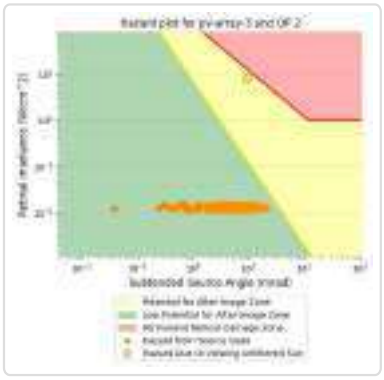
PV array 3: OP 2

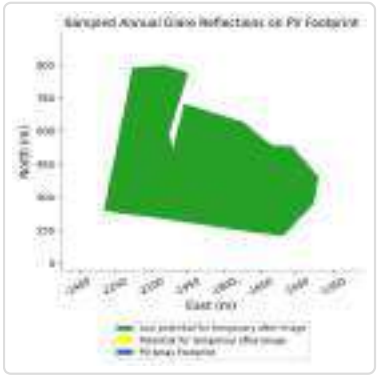
PV array is expected to produce the following glare for this receptor:

- 562 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





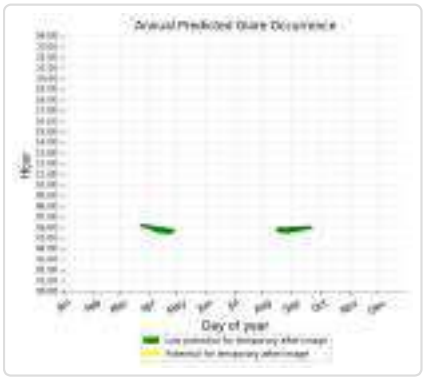


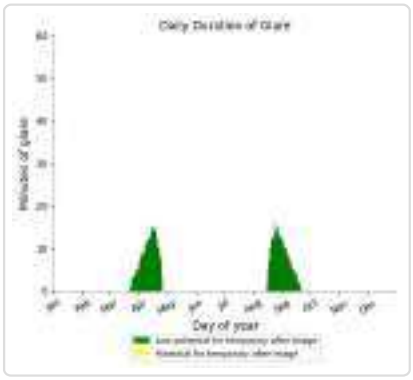


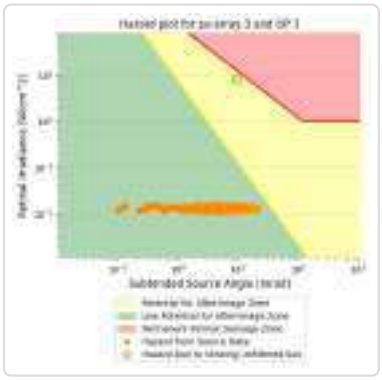
PV array 3: OP 3

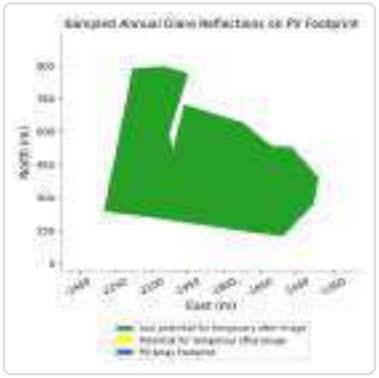
PV array is expected to produce the following glare for this receptor:

- 613 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





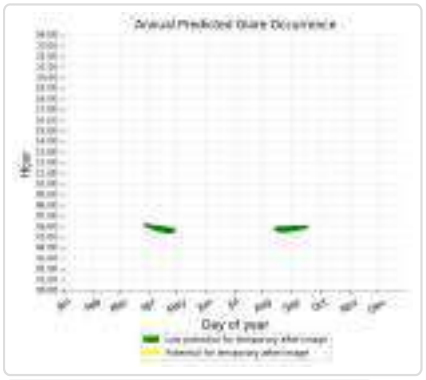


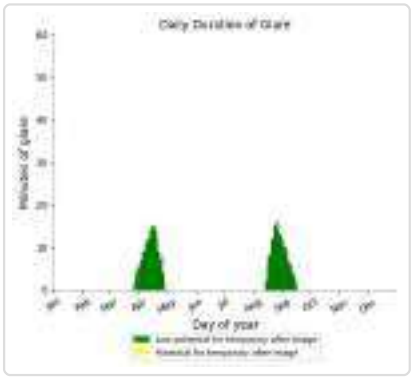


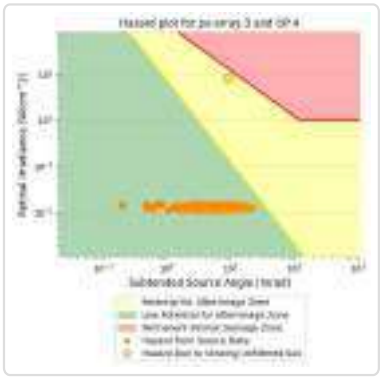
PV array 3: OP 4

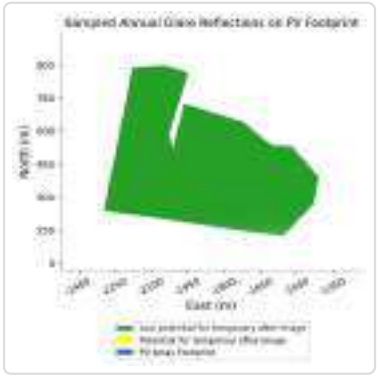
PV array is expected to produce the following glare for this receptor:

- 605 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





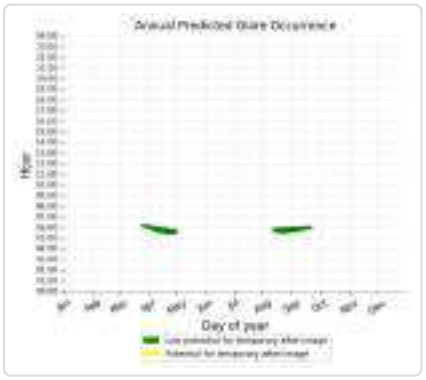


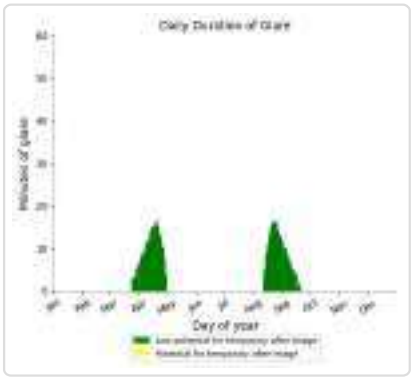


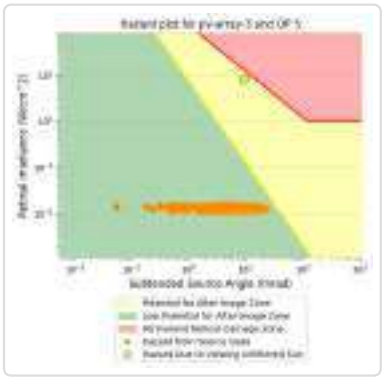
PV array 3: OP 5

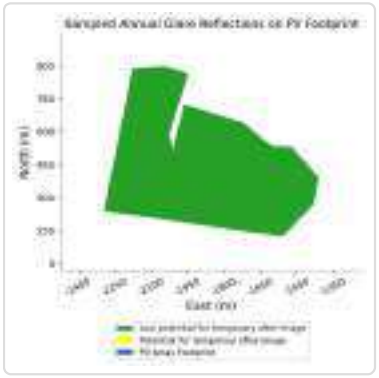
PV array is expected to produce the following glare for this receptor:

- 754 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





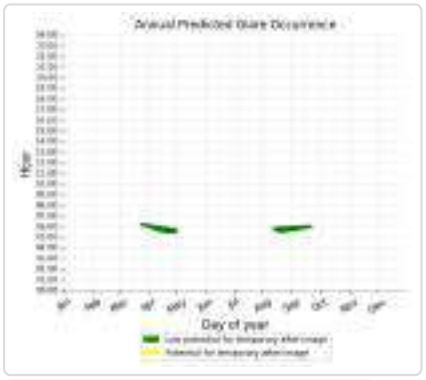


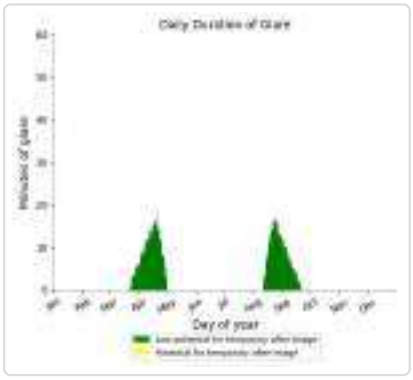


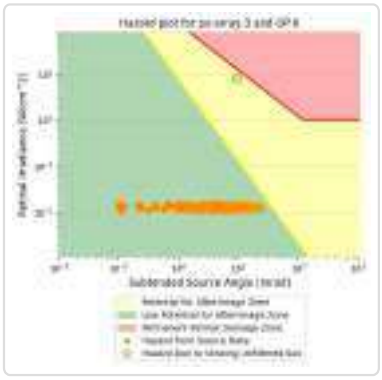
PV array 3: OP 6

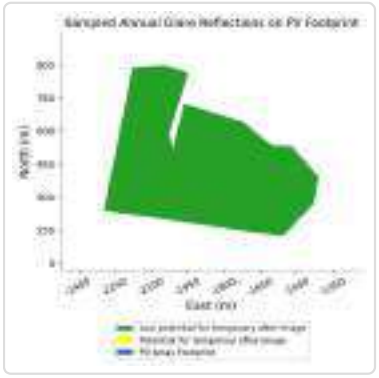
PV array is expected to produce the following glare for this receptor:

- 716 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





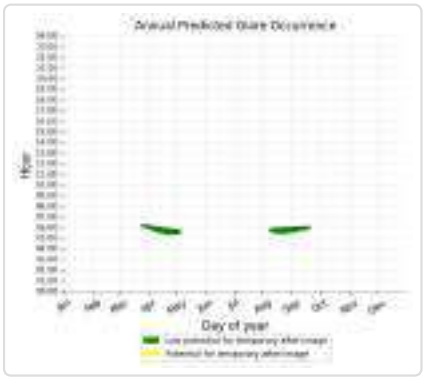


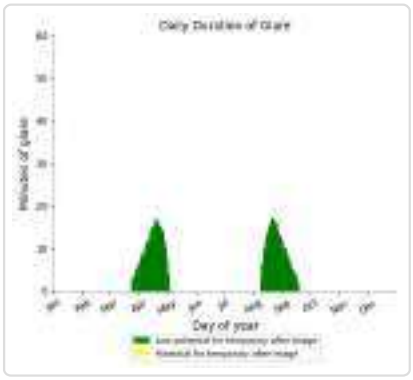


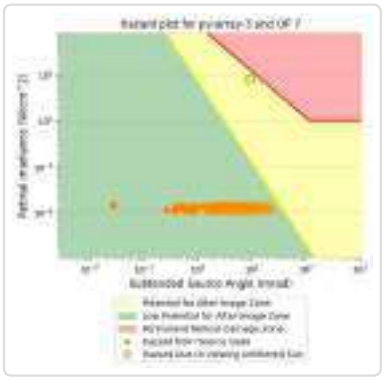
PV array 3: OP 7

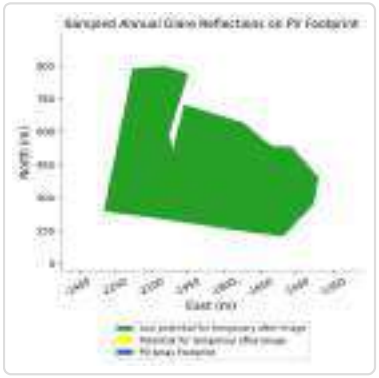
PV array is expected to produce the following glare for this receptor:

- 852 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





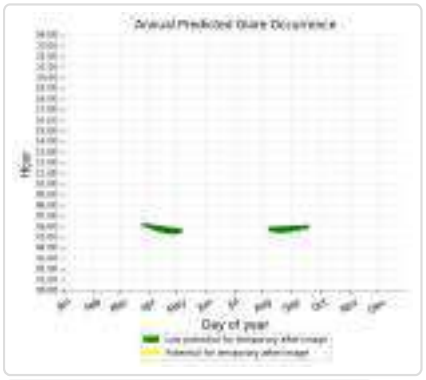


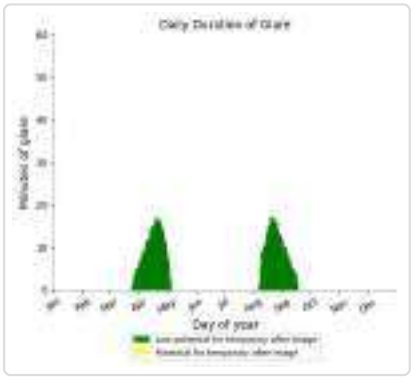


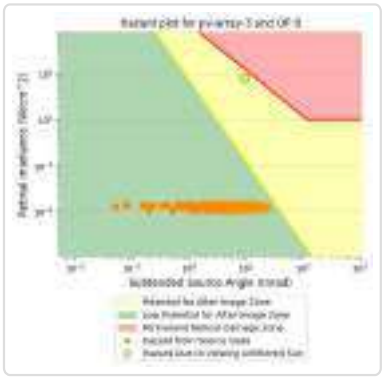
PV array 3: OP 8

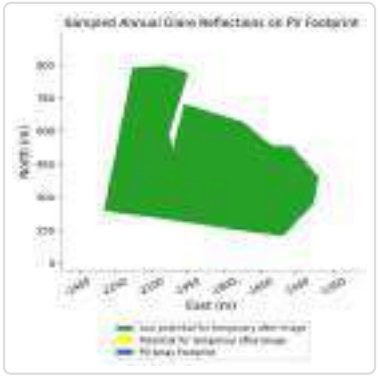
PV array is expected to produce the following glare for this receptor:

- 880 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





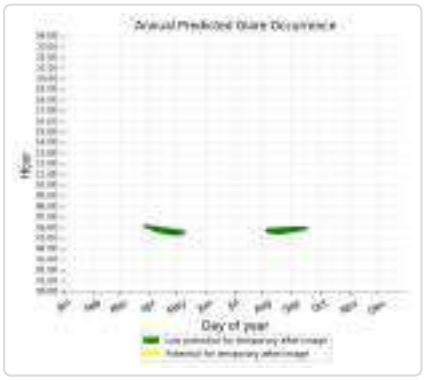


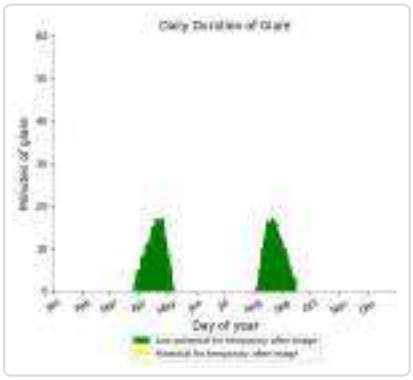


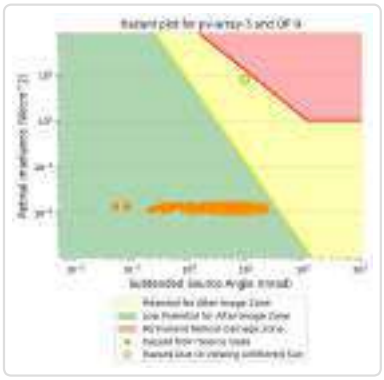
PV array 3: OP 9

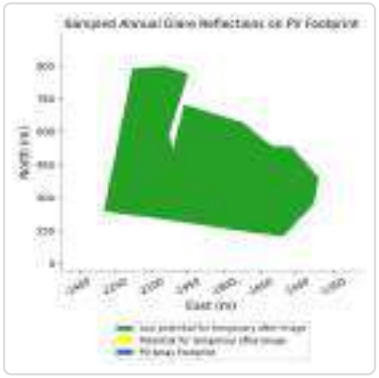
PV array is expected to produce the following glare for this receptor:

- 909 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





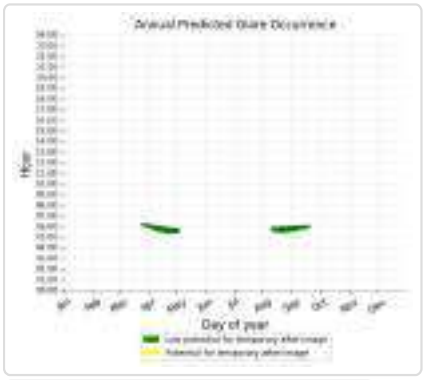


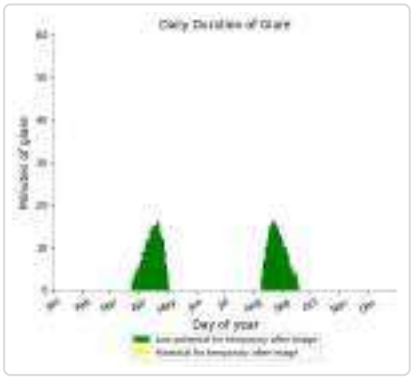


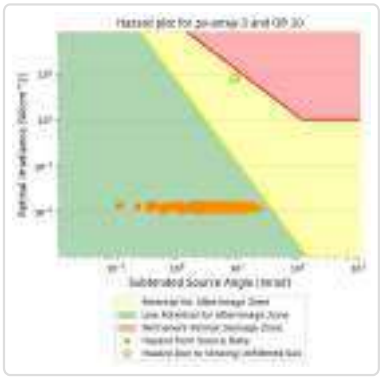
PV array 3: OP 10

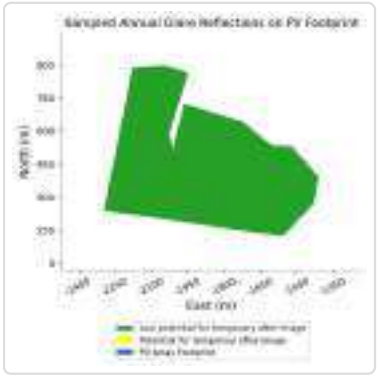
PV array is expected to produce the following glare for this receptor:

- 773 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





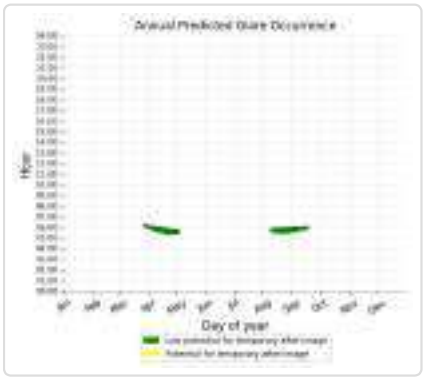


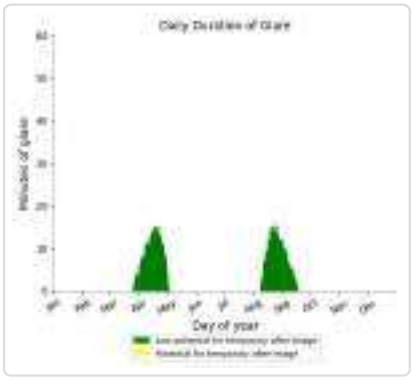


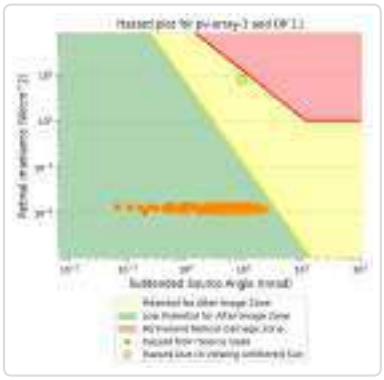
PV array 3: OP 11

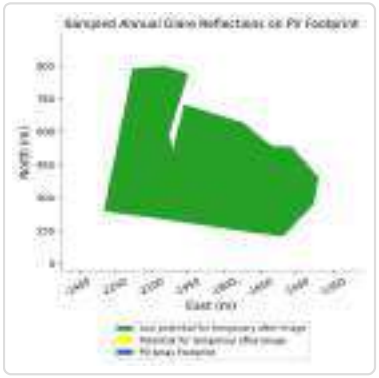
PV array is expected to produce the following glare for this receptor:

- 727 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





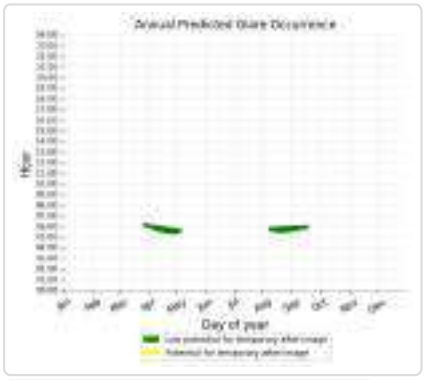


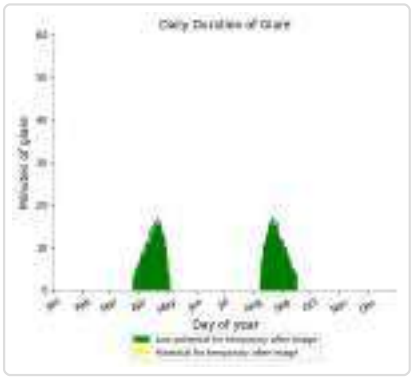


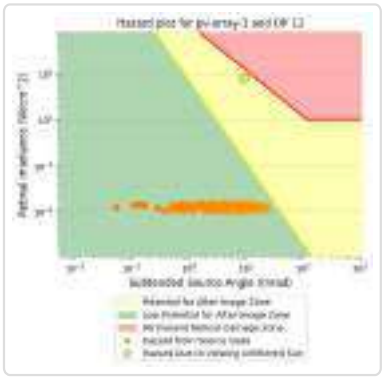
PV array 3: OP 12

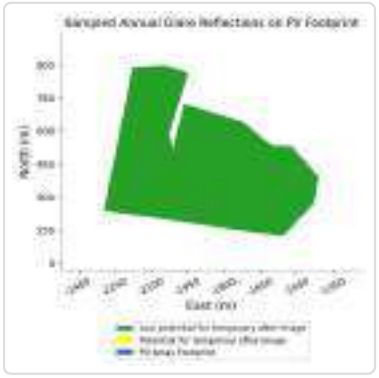
PV array is expected to produce the following glare for this receptor:

- 840 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





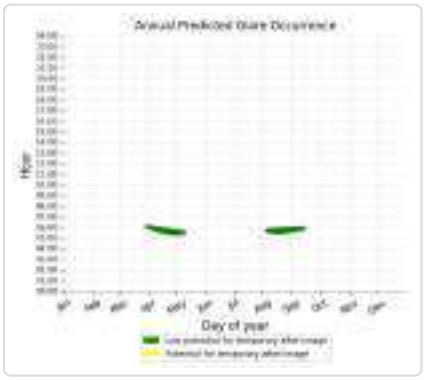


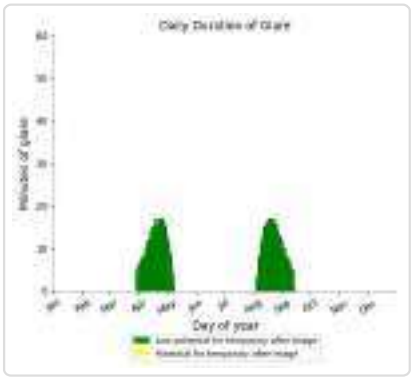


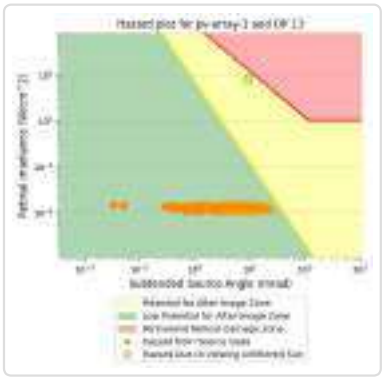
PV array 3: OP 13

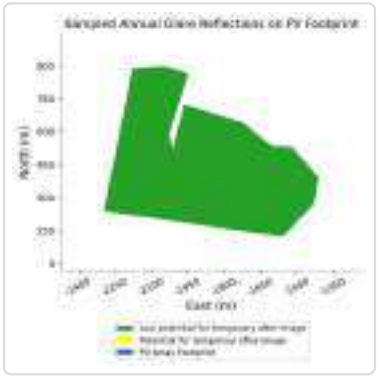
PV array is expected to produce the following glare for this receptor:

- 980 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





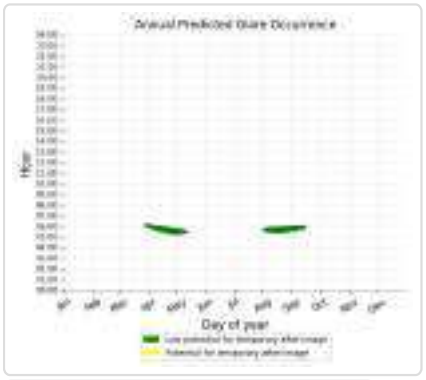


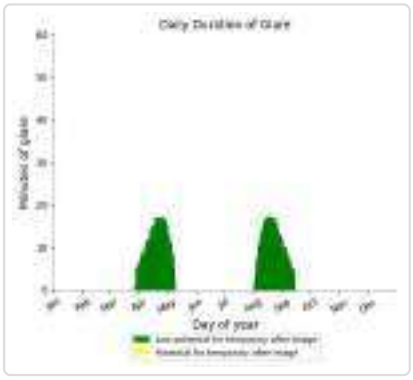


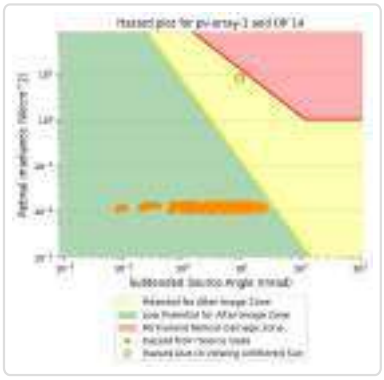
PV array 3: OP 14

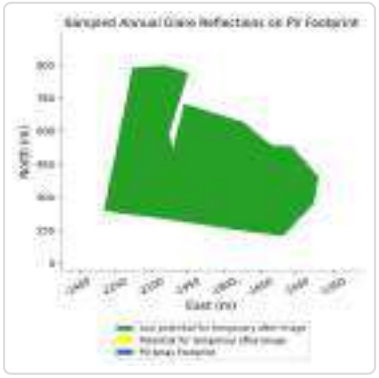
PV array is expected to produce the following glare for this receptor:

- 1,051 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





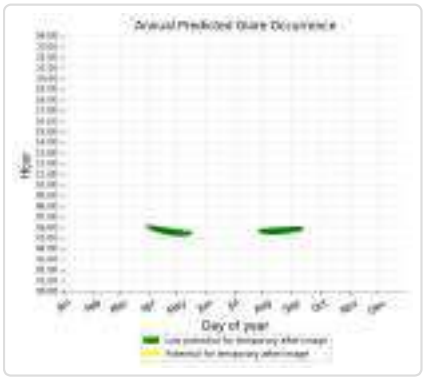


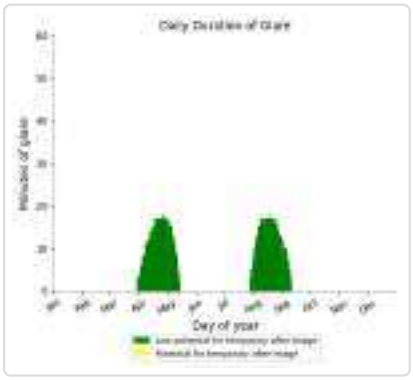


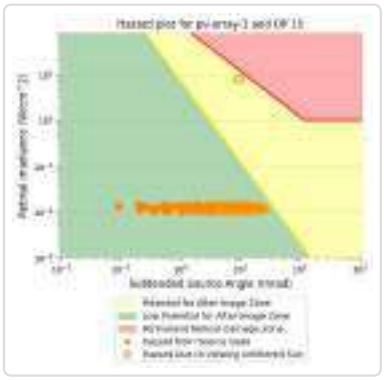
PV array 3: OP 15

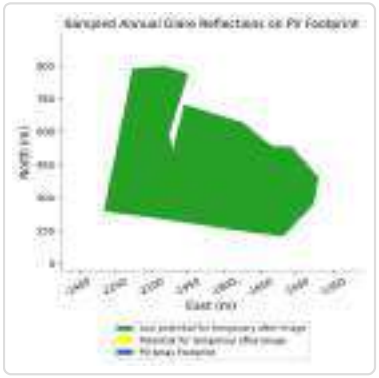
PV array is expected to produce the following glare for this receptor:

- 1,145 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





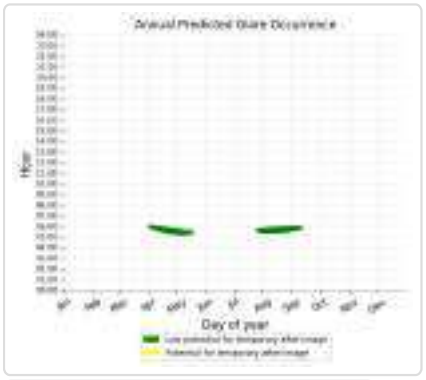


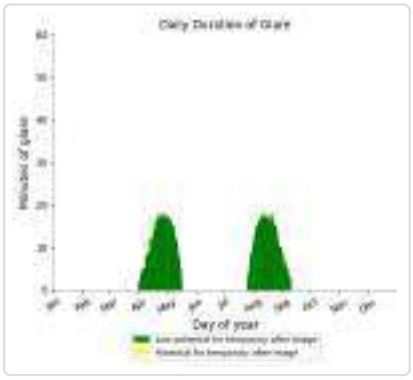


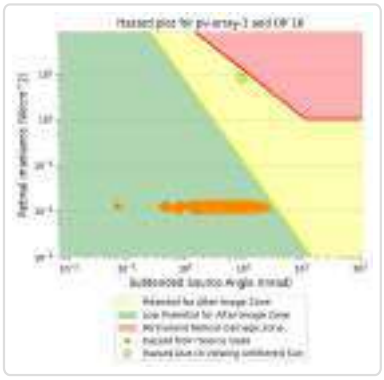
PV array 3: OP 16

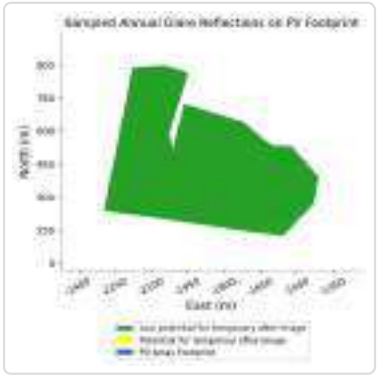
PV array is expected to produce the following glare for this receptor:

- 1,133 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





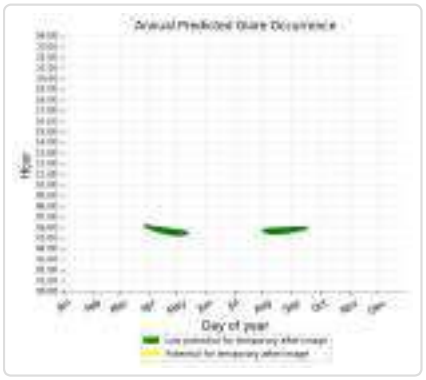


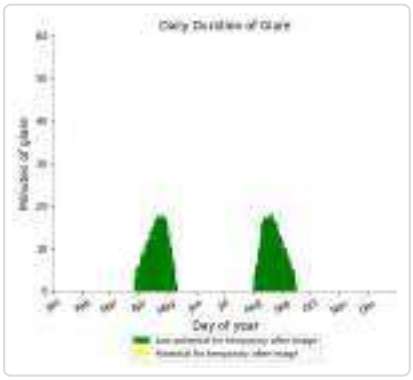


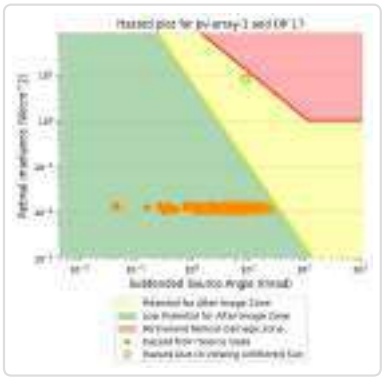
PV array 3: OP 17

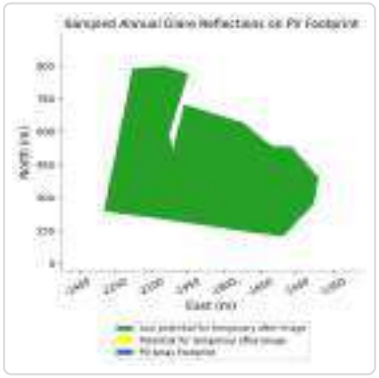
PV array is expected to produce the following glare for this receptor:

- 1,075 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





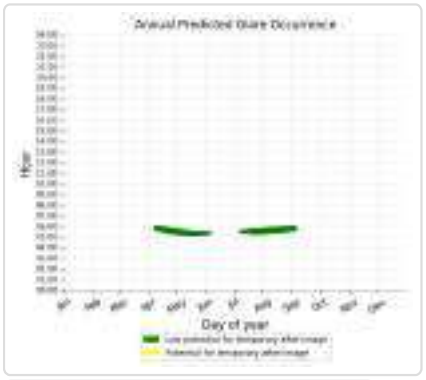


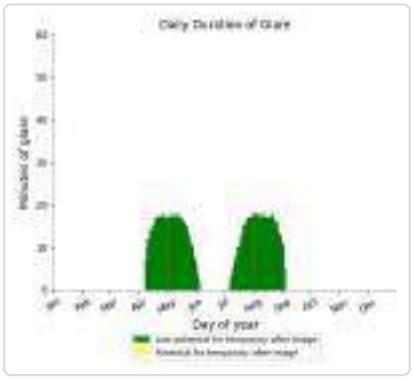


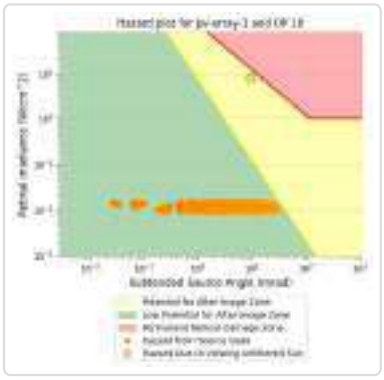
PV array 3: OP 18

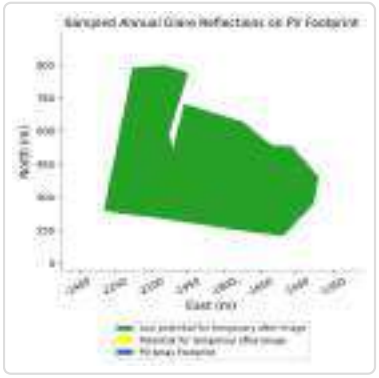
PV array is expected to produce the following glare for this receptor:

- 1,686 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





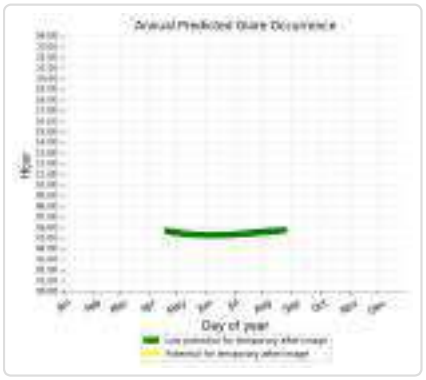


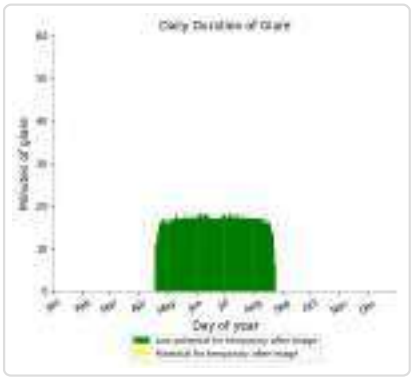


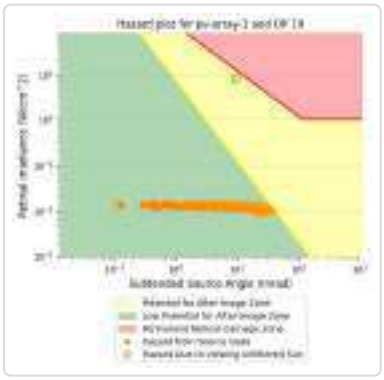
PV array 3: OP 19

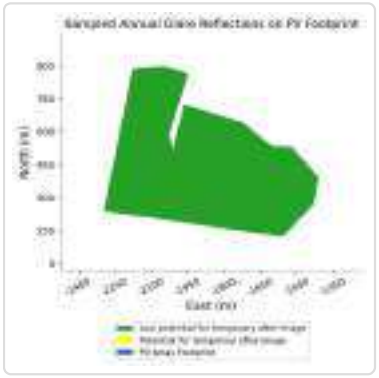
PV array is expected to produce the following glare for this receptor:

- 2,143 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





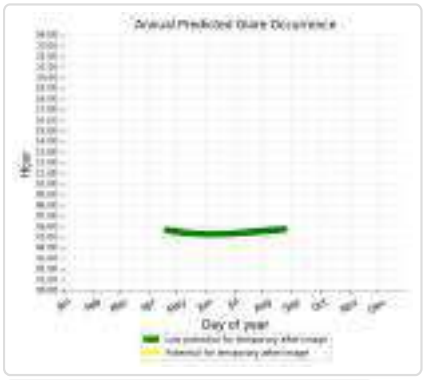


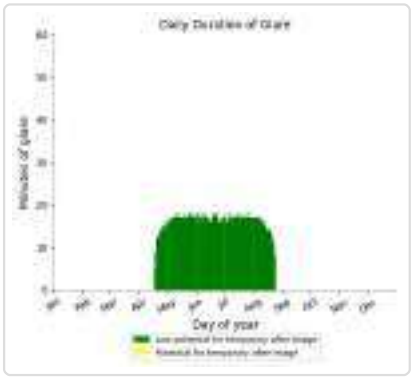


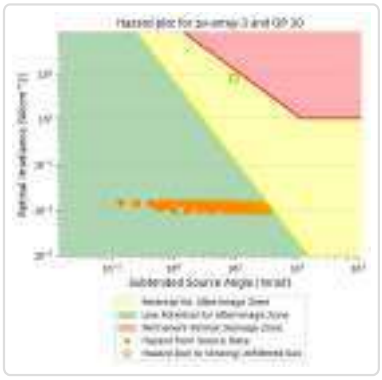
PV array 3: OP 20

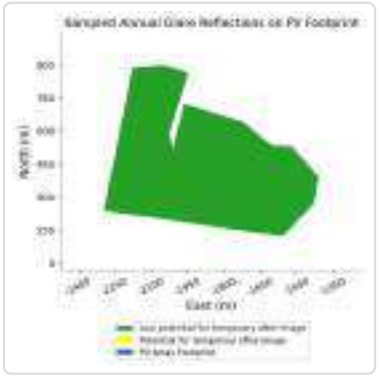
PV array is expected to produce the following glare for this receptor:

- 2,105 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





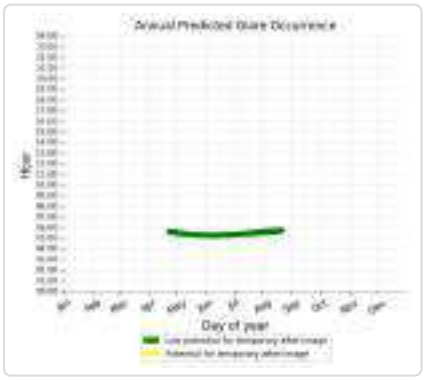


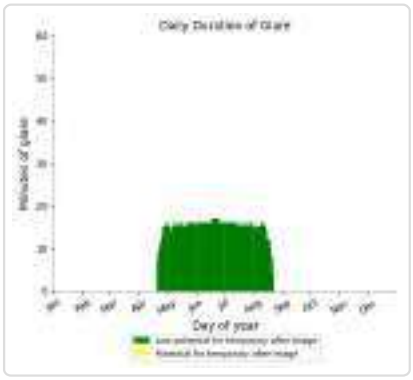


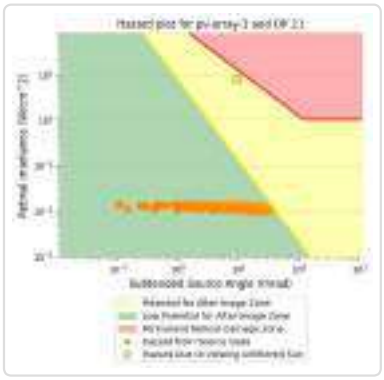
PV array 3: OP 21

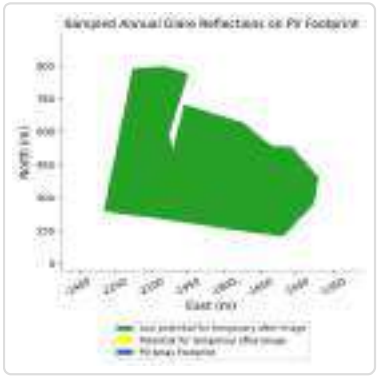
PV array is expected to produce the following glare for this receptor:

- 1,881 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





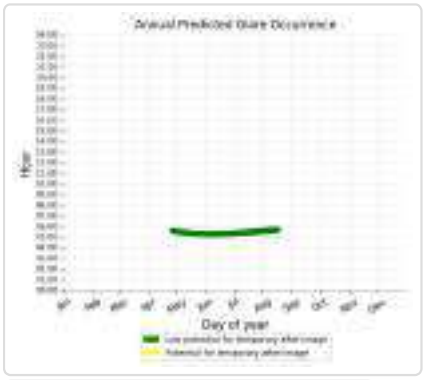


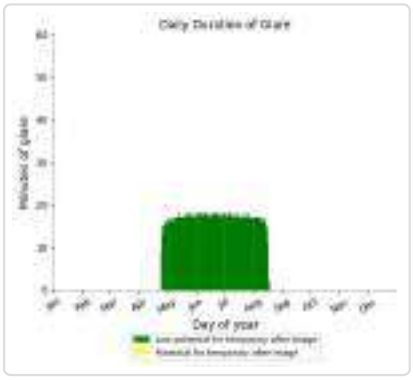


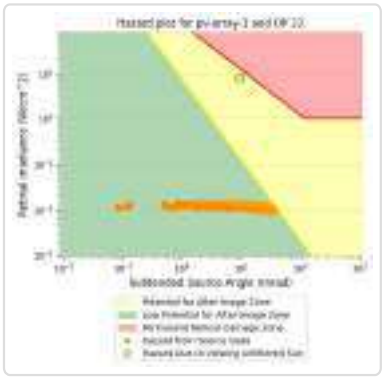
PV array 3: OP 22

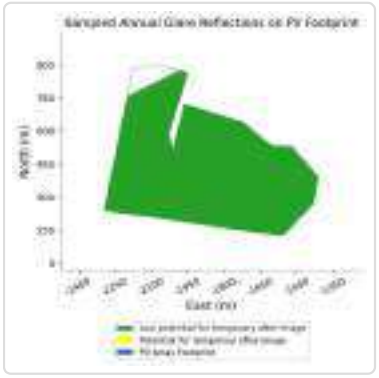
PV array is expected to produce the following glare for this receptor:

- 1,969 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





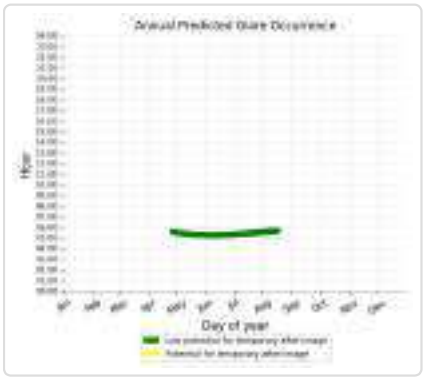


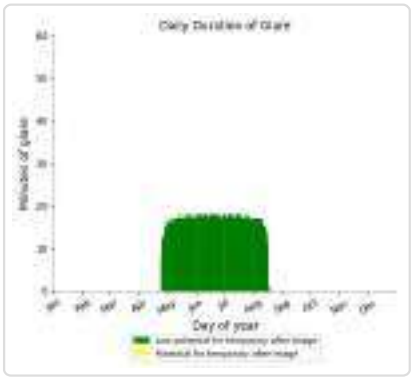


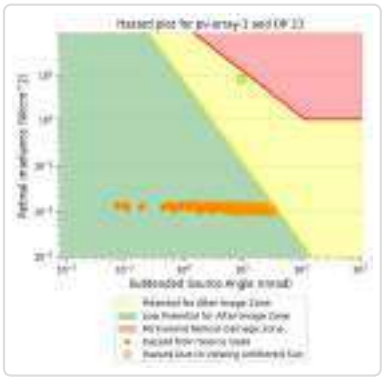
PV array 3: OP 23

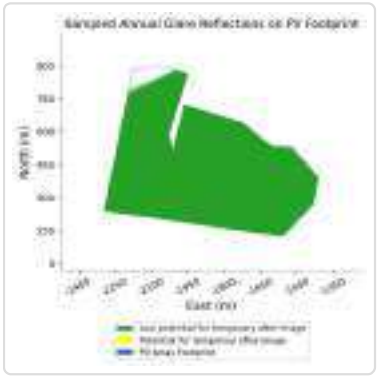
PV array is expected to produce the following glare for this receptor:

- 1,964 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





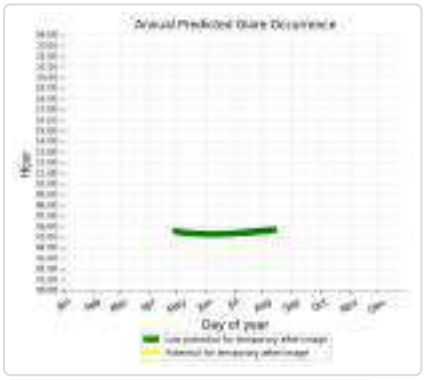


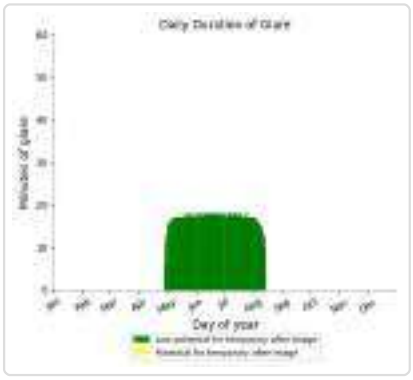


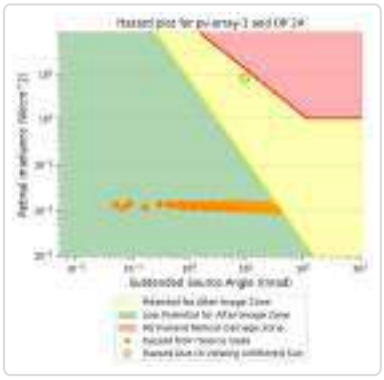
PV array 3: OP 24

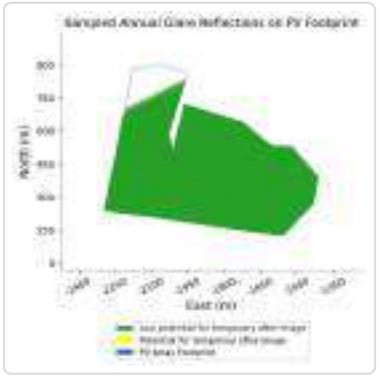
PV array is expected to produce the following glare for this receptor:

- 1,849 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





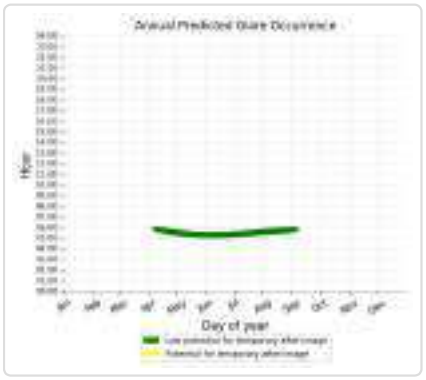


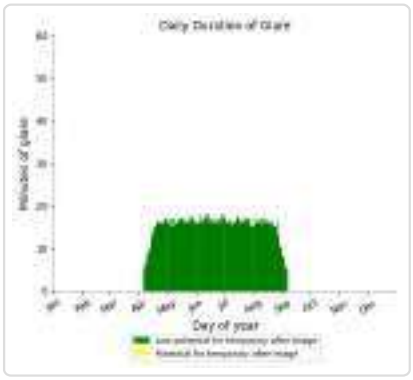


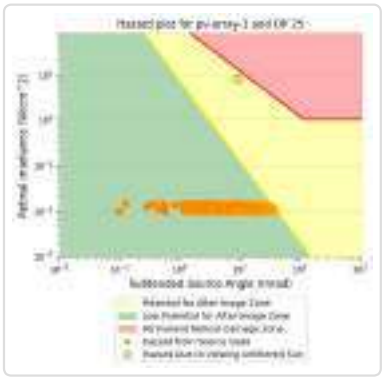
PV array 3: OP 25

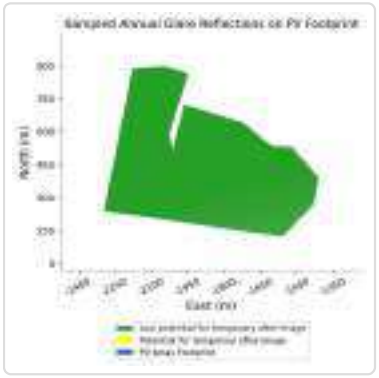
PV array is expected to produce the following glare for this receptor:

- 2,354 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





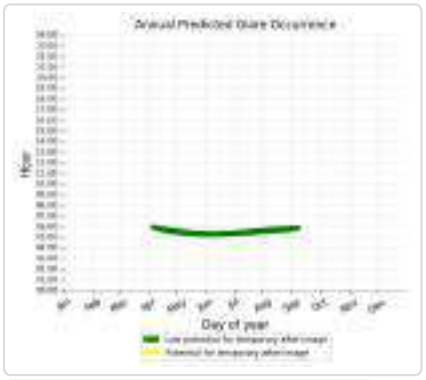


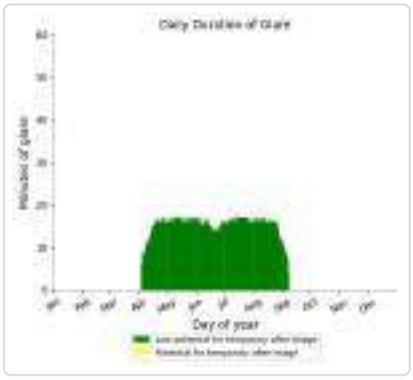


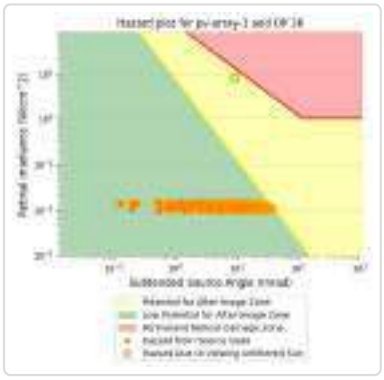
PV array 3: OP 26

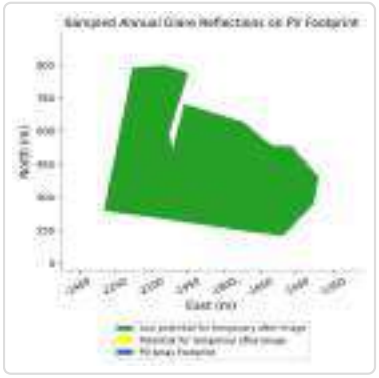
PV array is expected to produce the following glare for this receptor:

- 2,417 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





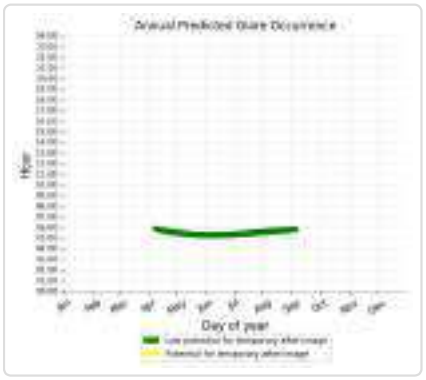


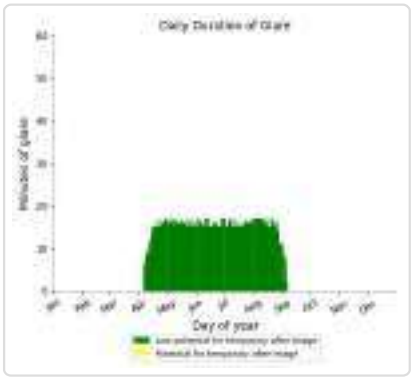


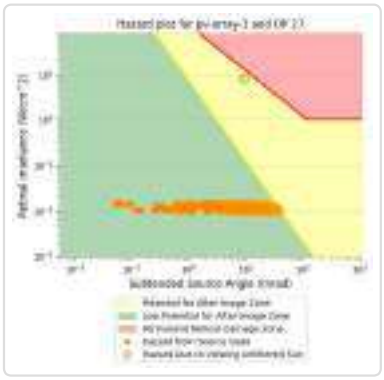
PV array 3: OP 27

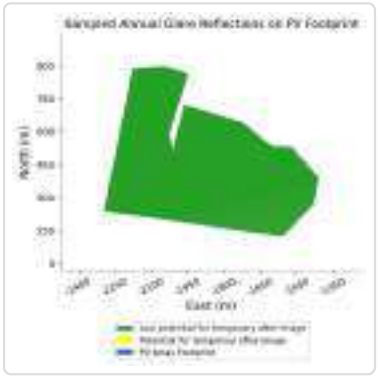
PV array is expected to produce the following glare for this receptor:

- 2,340 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





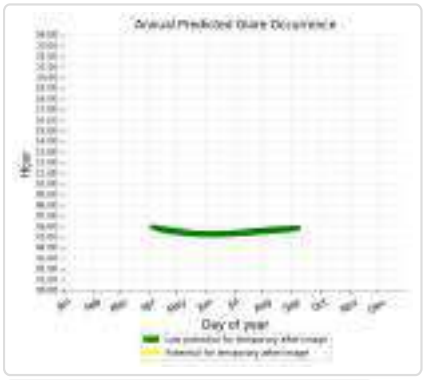


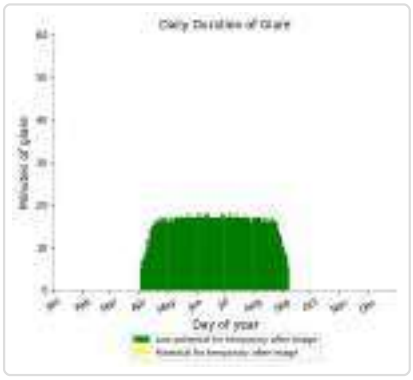


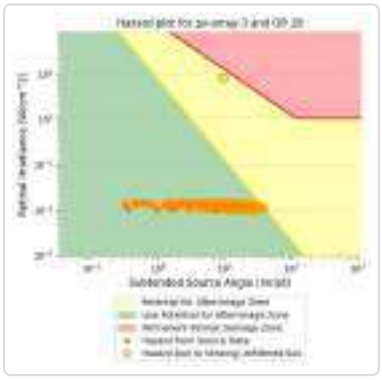
PV array 3: OP 28

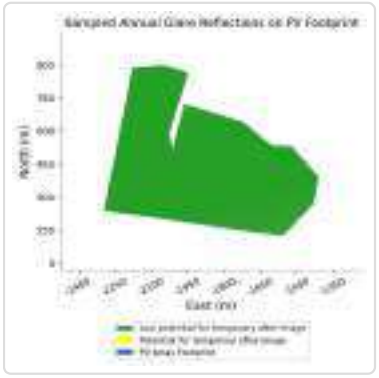
PV array is expected to produce the following glare for this receptor:

- 2,518 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





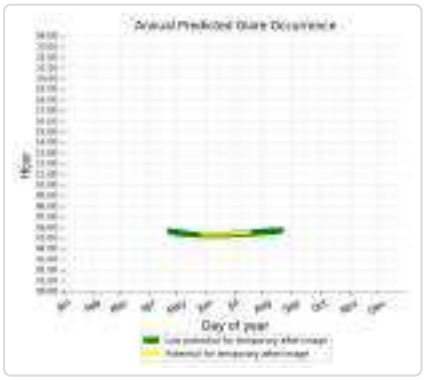


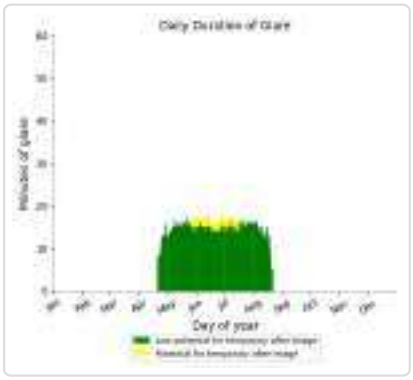


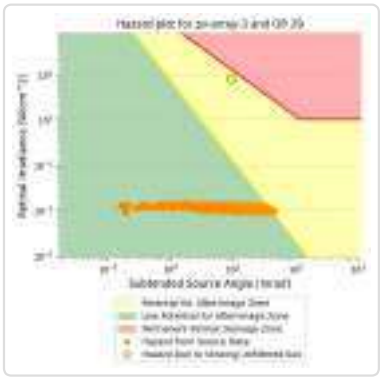
PV array 3: OP 29

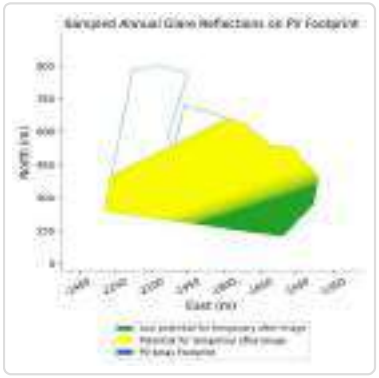
PV array is expected to produce the following glare for this receptor:

- 1,768 minutes of "green" glare with low potential to cause temporary after-image.
- 110 minutes of "yellow" glare with potential to cause temporary after-image.





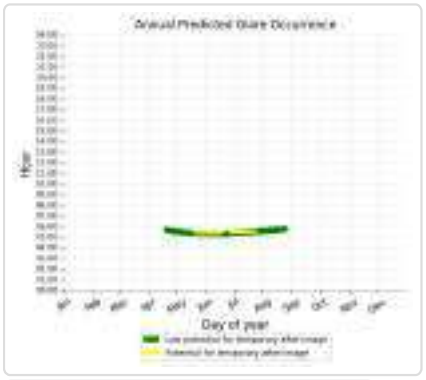


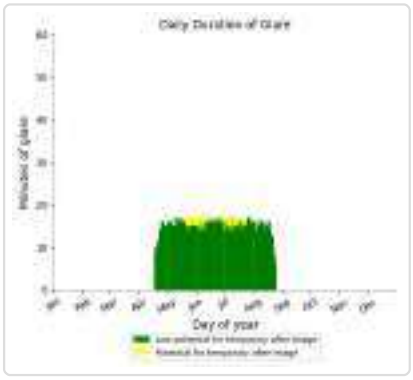


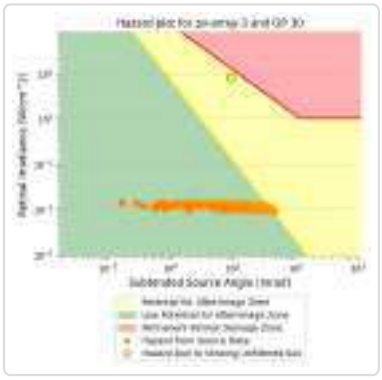
PV array 3: OP 30

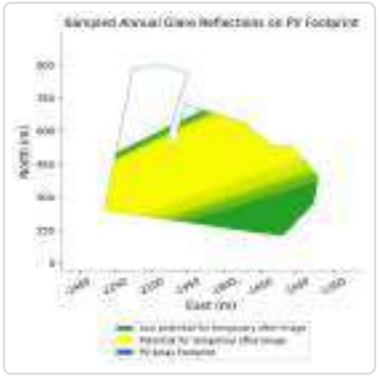
PV array is expected to produce the following glare for this receptor:

- 1,968 minutes of "green" glare with low potential to cause temporary after-image.
- 104 minutes of "yellow" glare with potential to cause temporary after-image.





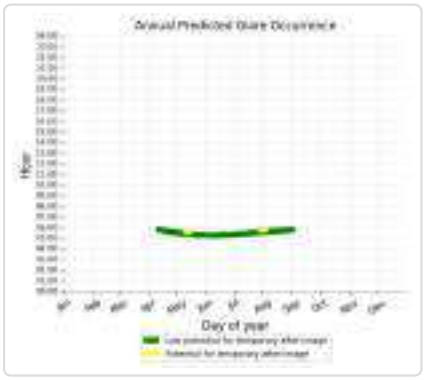


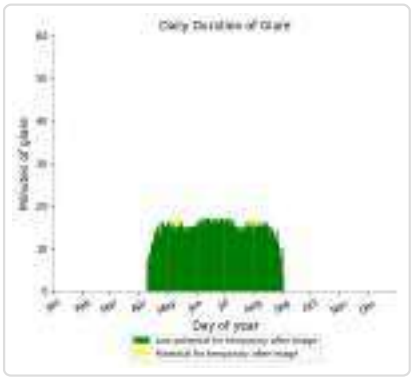


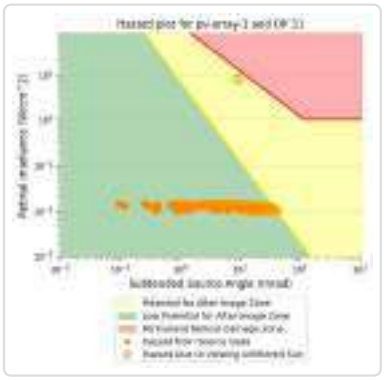
PV array 3: OP 31

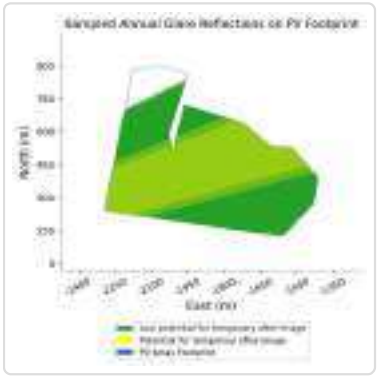
PV array is expected to produce the following glare for this receptor:

- 2,168 minutes of "green" glare with low potential to cause temporary after-image.
- 20 minutes of "yellow" glare with potential to cause temporary after-image.





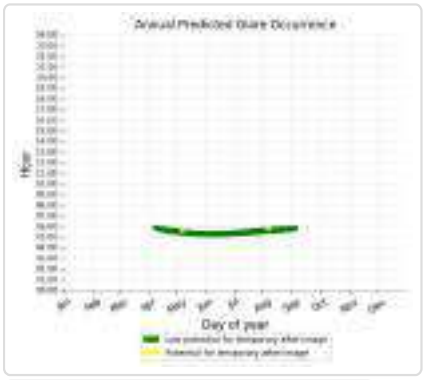


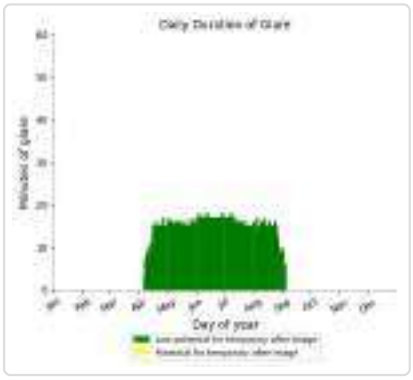


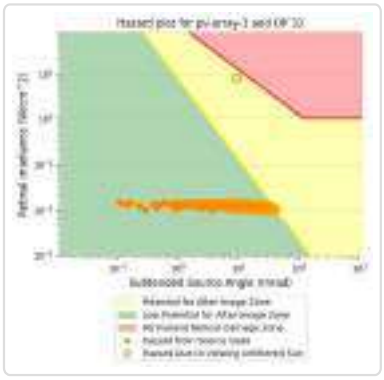
PV array 3: OP 32

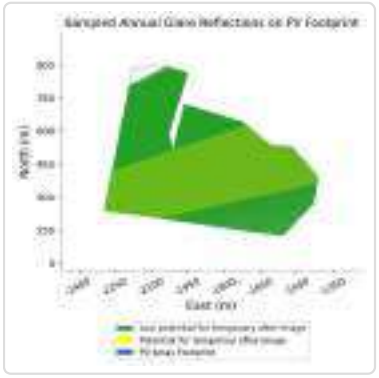
PV array is expected to produce the following glare for this receptor:

- 2,351 minutes of "green" glare with low potential to cause temporary after-image.
- 6 minutes of "yellow" glare with potential to cause temporary after-image.





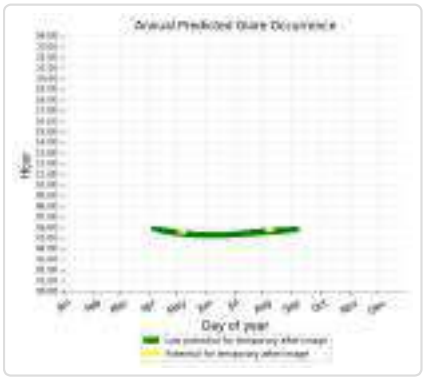


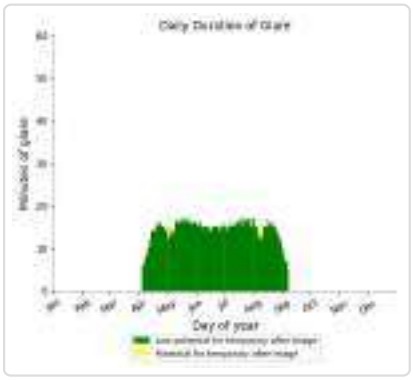


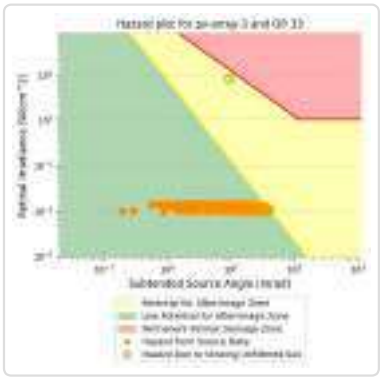
PV array 3: OP 33

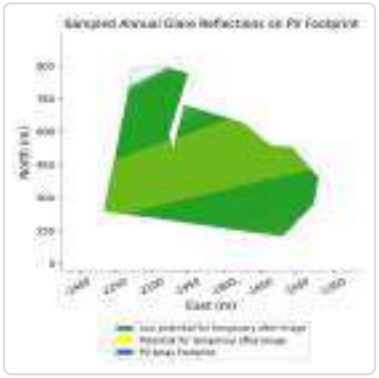
PV array is expected to produce the following glare for this receptor:

- 2,240 minutes of "green" glare with low potential to cause temporary after-image.
- 19 minutes of "yellow" glare with potential to cause temporary after-image.





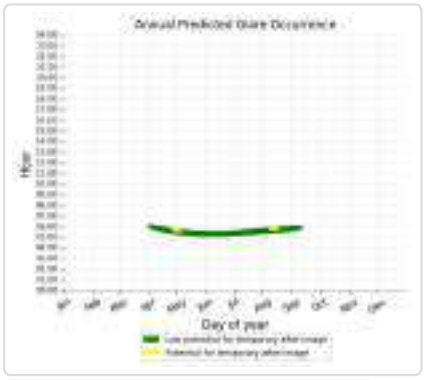


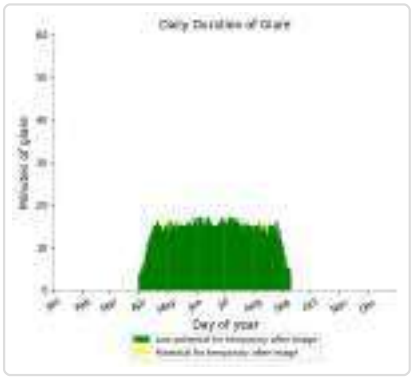


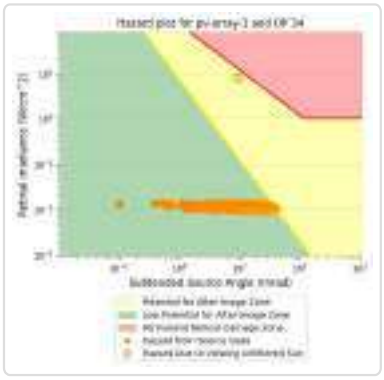
PV array 3: OP 34

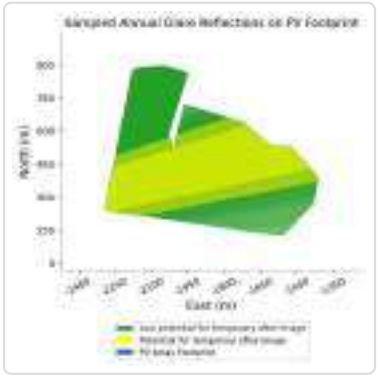
PV array is expected to produce the following glare for this receptor:

- 2,325 minutes of "green" glare with low potential to cause temporary after-image.
- 18 minutes of "yellow" glare with potential to cause temporary after-image.





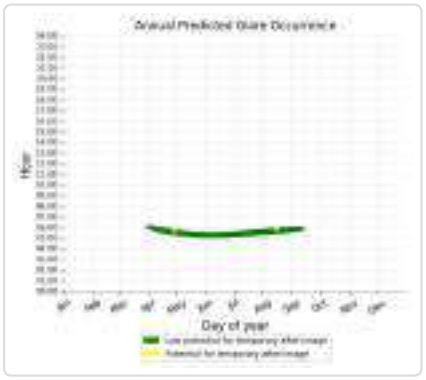


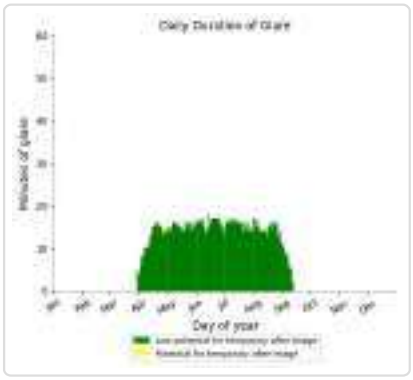


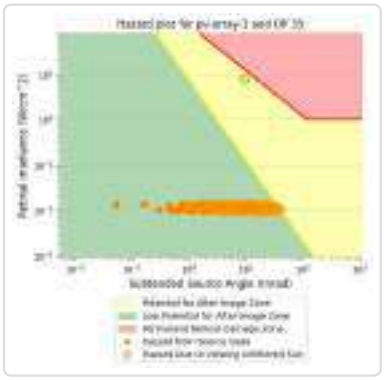
PV array 3: OP 35

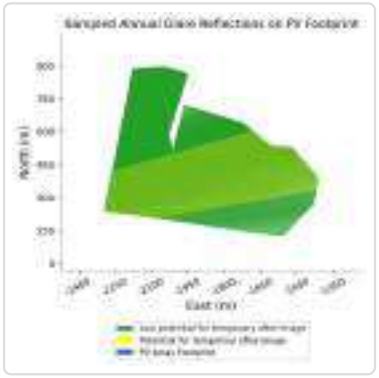
PV array is expected to produce the following glare for this receptor:

- 2,353 minutes of "green" glare with low potential to cause temporary after-image.
- 6 minutes of "yellow" glare with potential to cause temporary after-image.





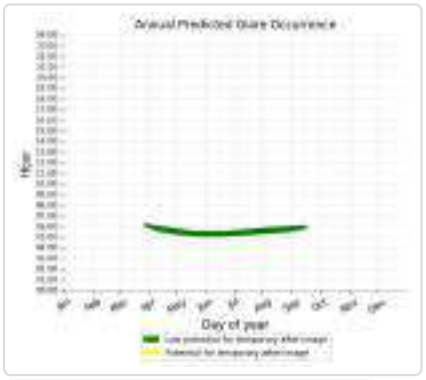


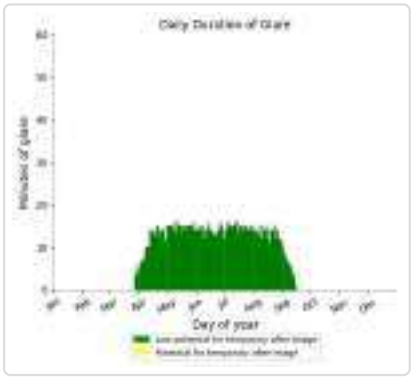


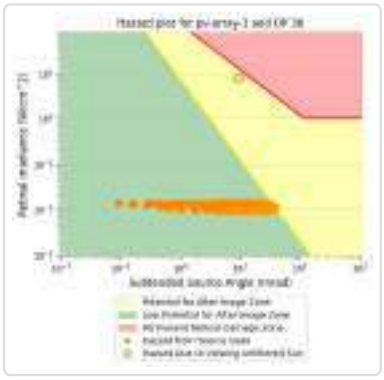
PV array 3: OP 36

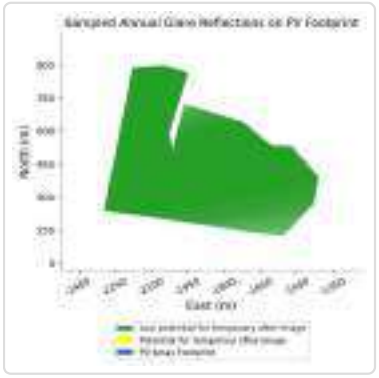
PV array is expected to produce the following glare for this receptor:

- 2,203 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





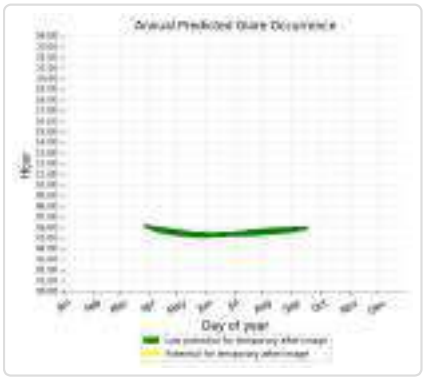


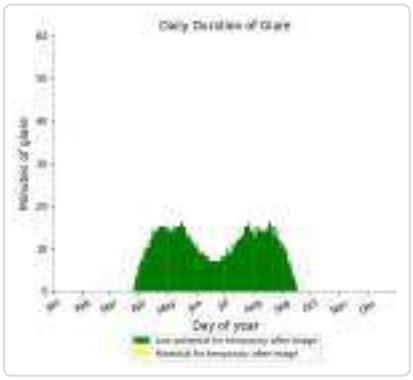


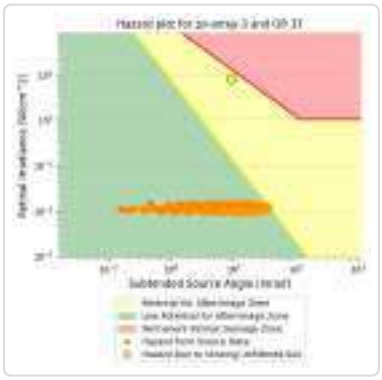
PV array 3: OP 37

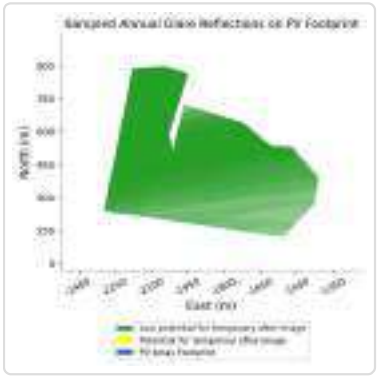
PV array is expected to produce the following glare for this receptor:

- 1,947 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





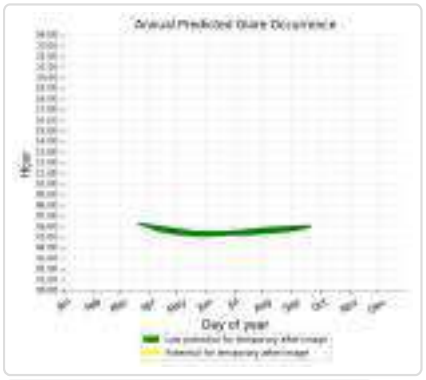


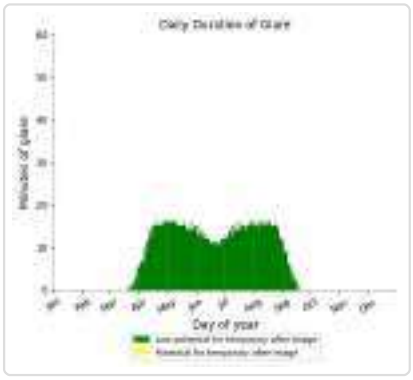


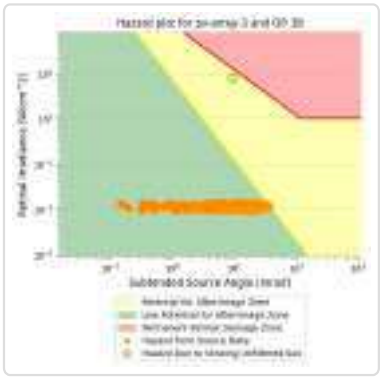
PV array 3: OP 38

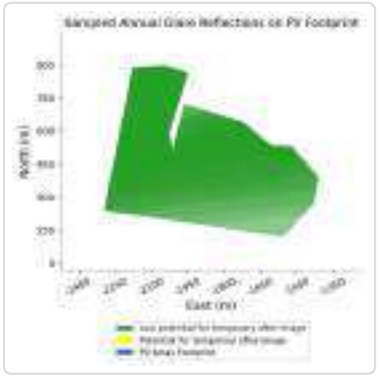
PV array is expected to produce the following glare for this receptor:

- 2,240 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





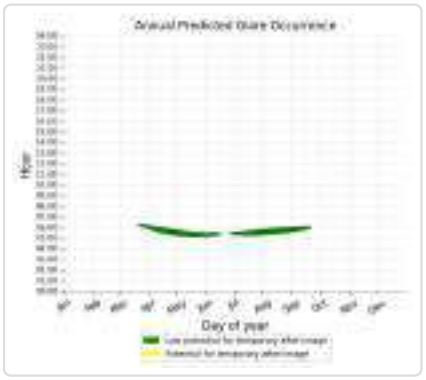


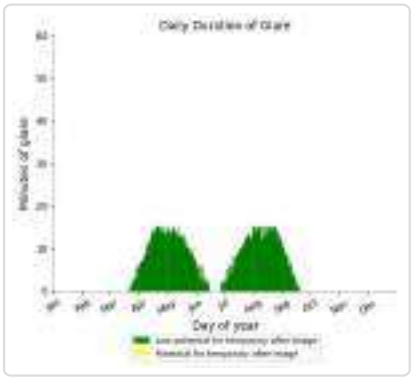


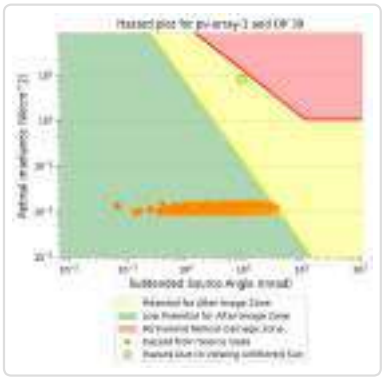
PV array 3: OP 39

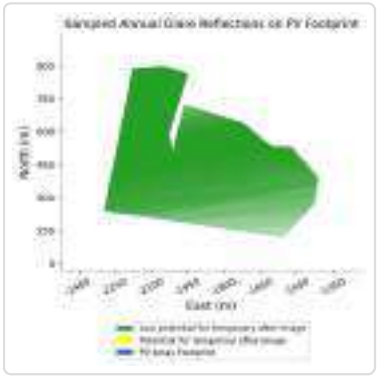
PV array is expected to produce the following glare for this receptor:

- 1,640 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





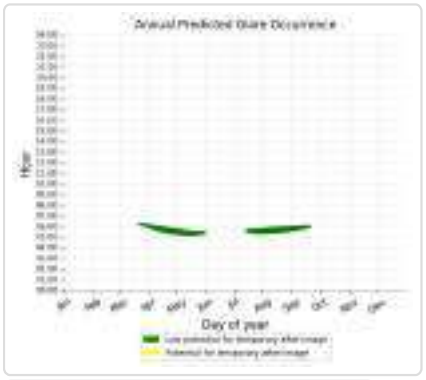


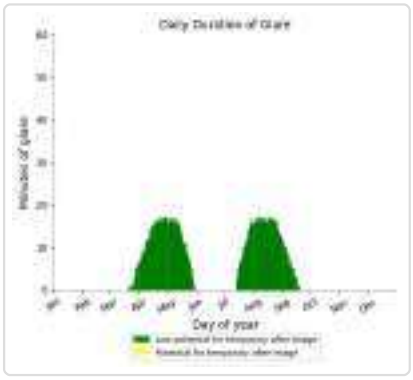


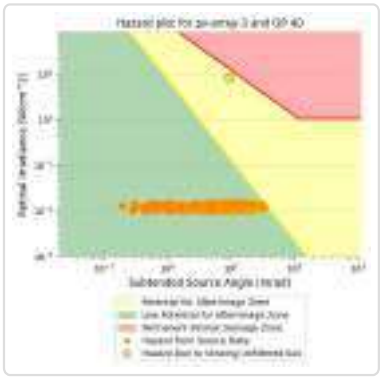
PV array 3: OP 40

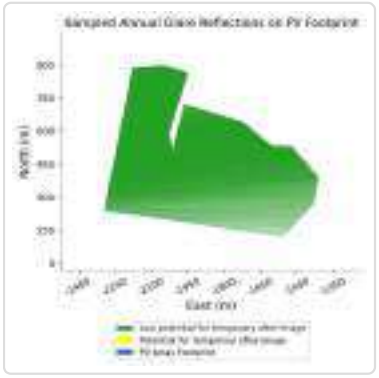
PV array is expected to produce the following glare for this receptor:

- 1,582 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





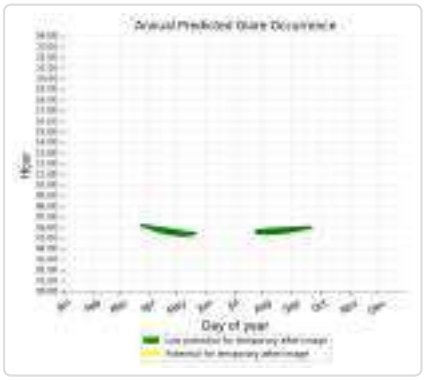


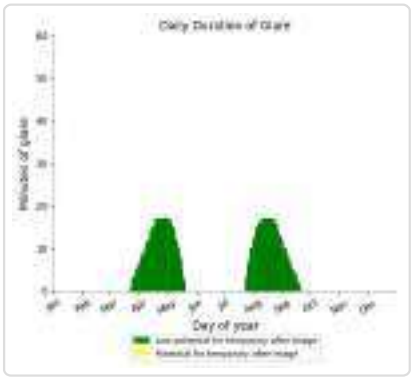


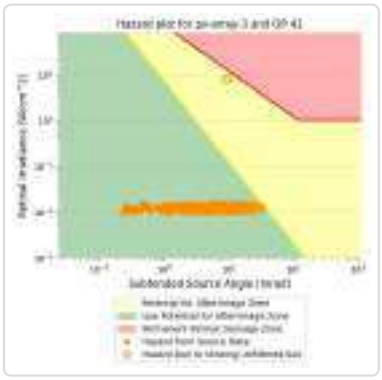
PV array 3: OP 41

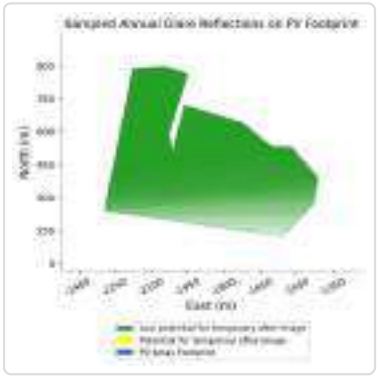
PV array is expected to produce the following glare for this receptor:

- 1,350 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





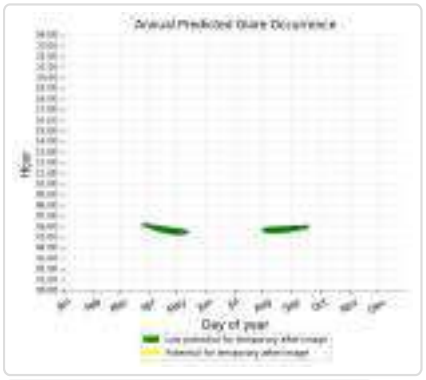


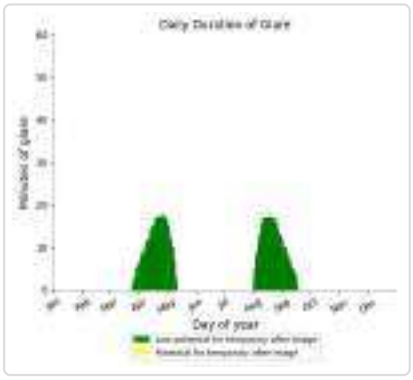


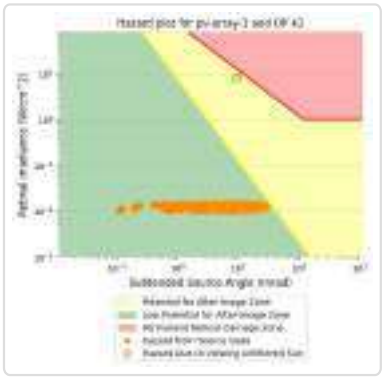
PV array 3: OP 42

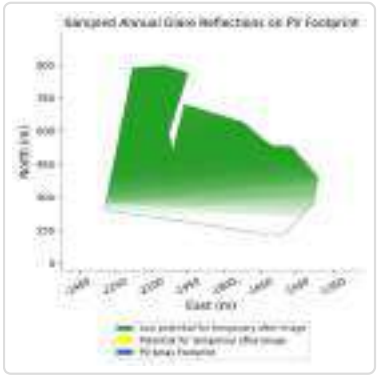
PV array is expected to produce the following glare for this receptor:

- 1,113 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





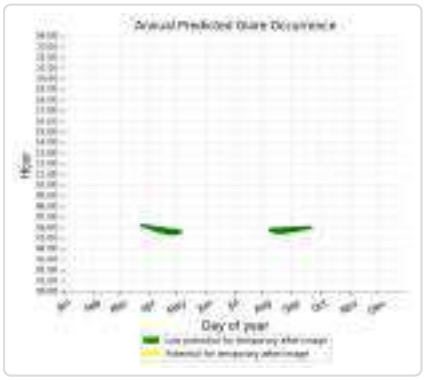


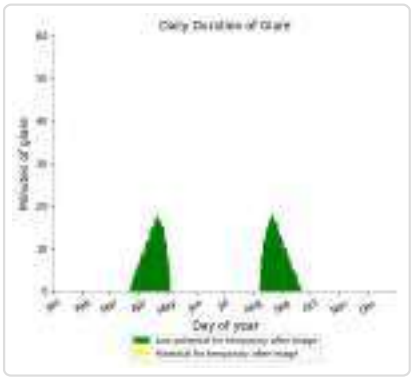


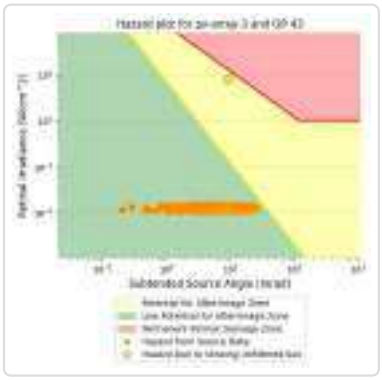
PV array 3: OP 43

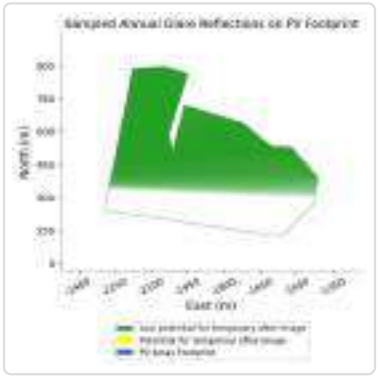
PV array is expected to produce the following glare for this receptor:

- 892 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





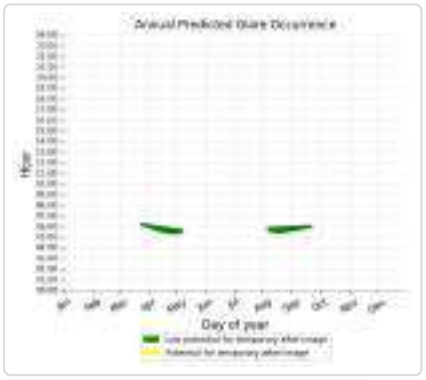


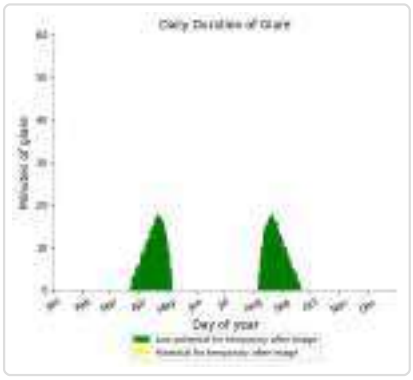


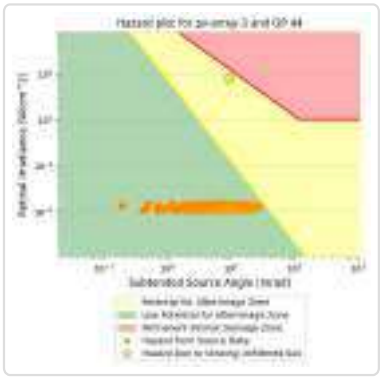
PV array 3: OP 44

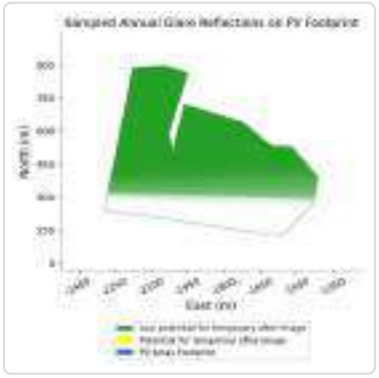
PV array is expected to produce the following glare for this receptor:

- 952 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





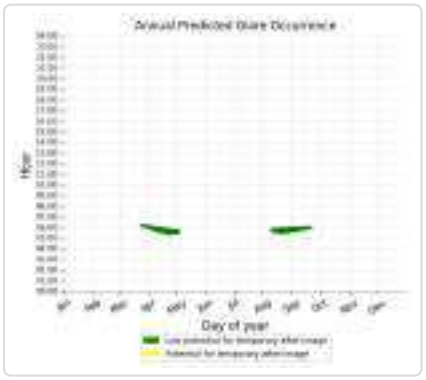


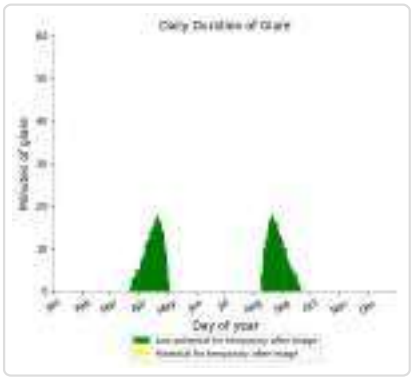


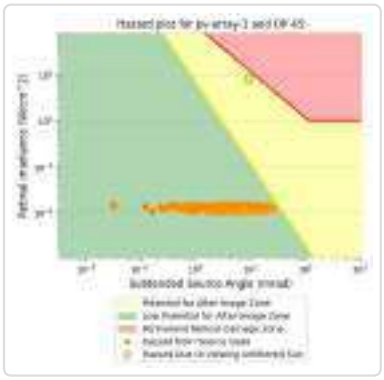
PV array 3: OP 45

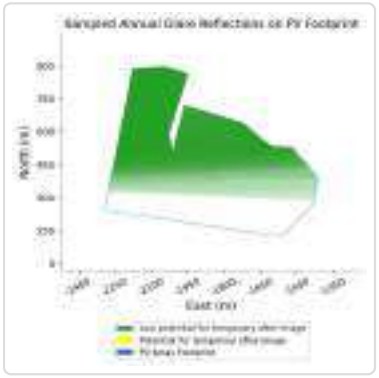
PV array is expected to produce the following glare for this receptor:

- 832 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





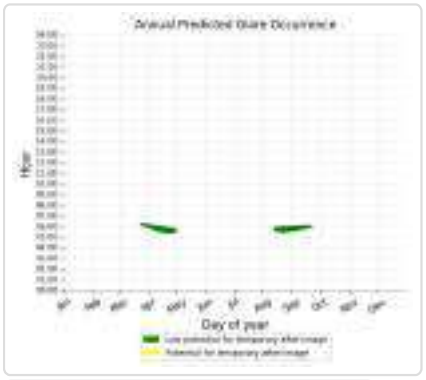


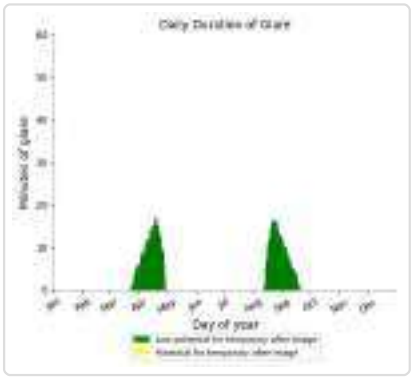


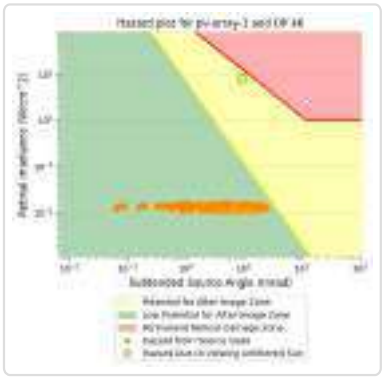
PV array 3: OP 46

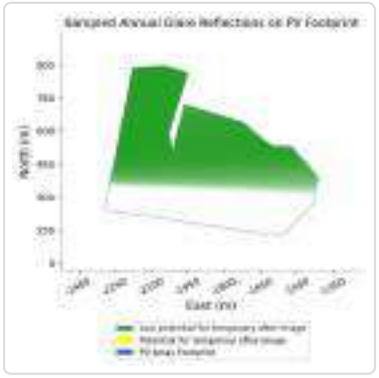
PV array is expected to produce the following glare for this receptor:

- 722 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





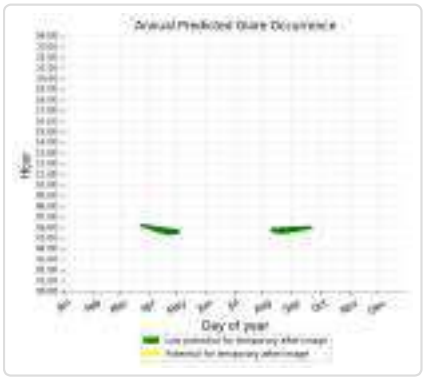


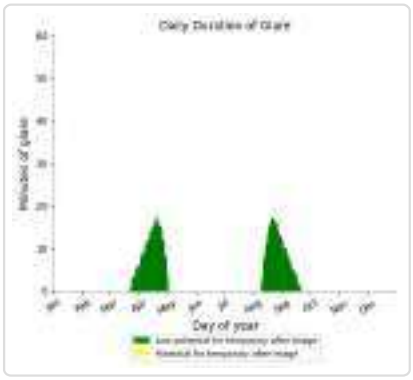


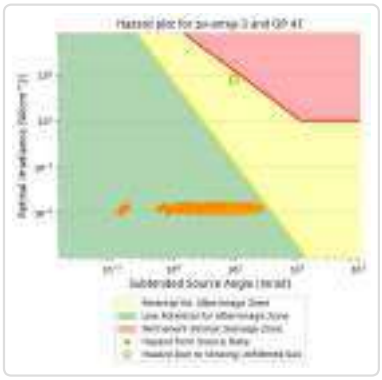
PV array 3: OP 47

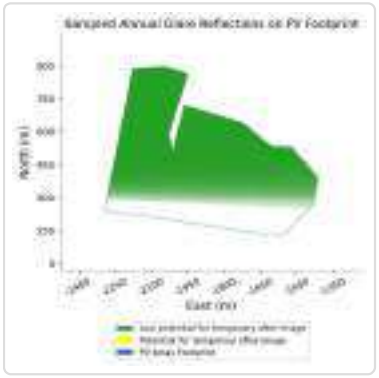
PV array is expected to produce the following glare for this receptor:

- 815 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





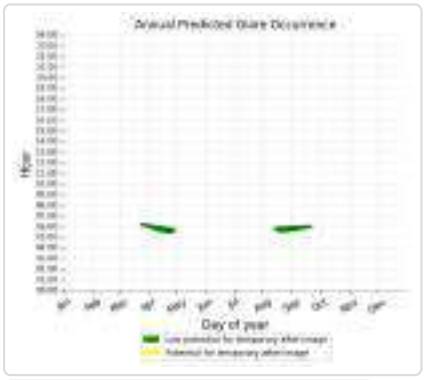


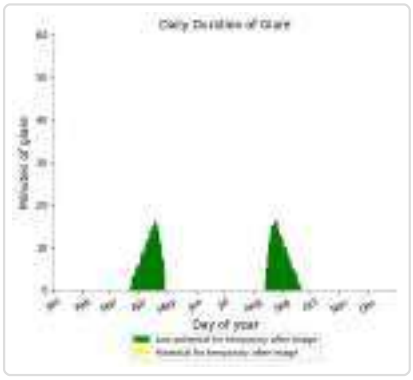


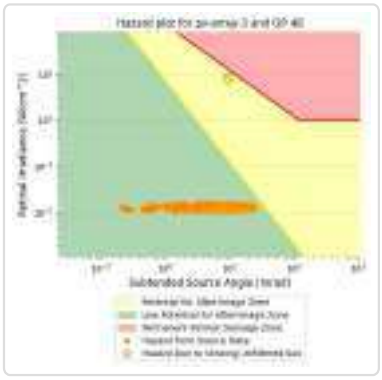
PV array 3: OP 48

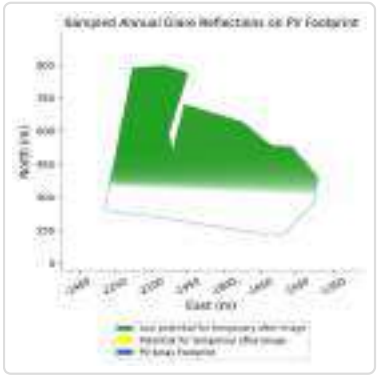
PV array is expected to produce the following glare for this receptor:

- 695 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





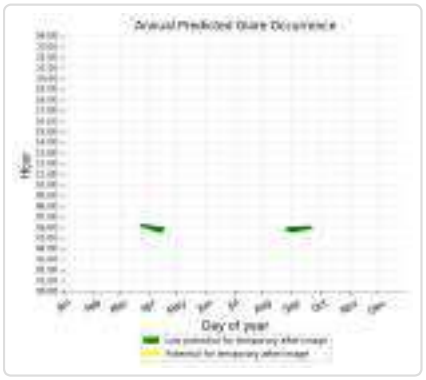


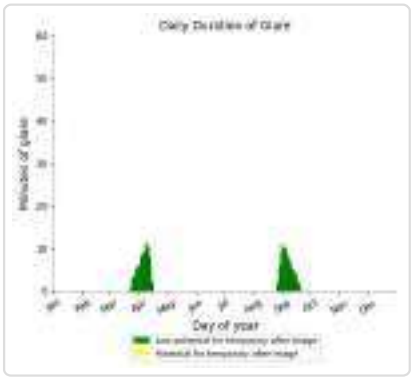


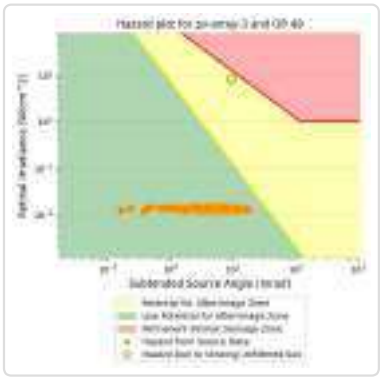
PV array 3: OP 49

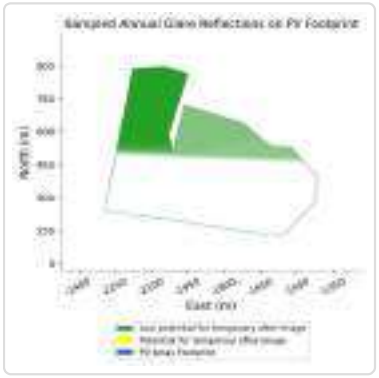
PV array is expected to produce the following glare for this receptor:

- 316 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





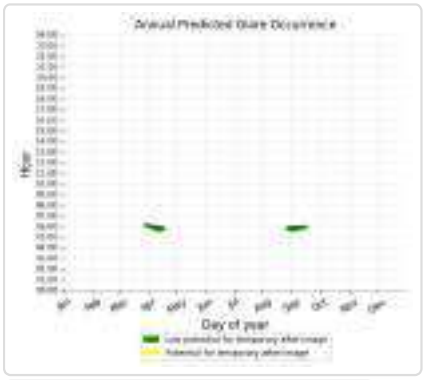


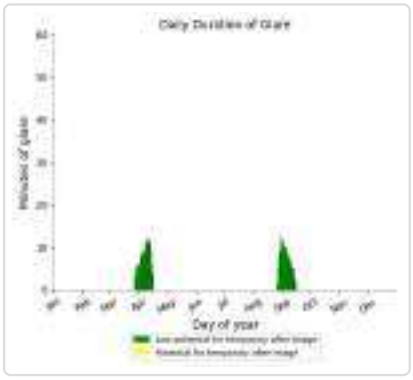


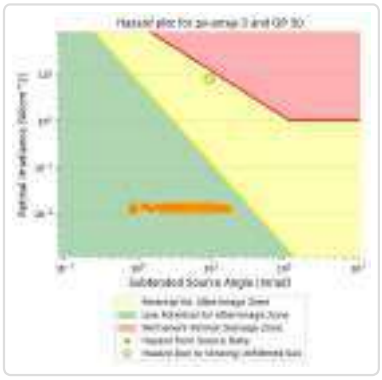
PV array 3: OP 50

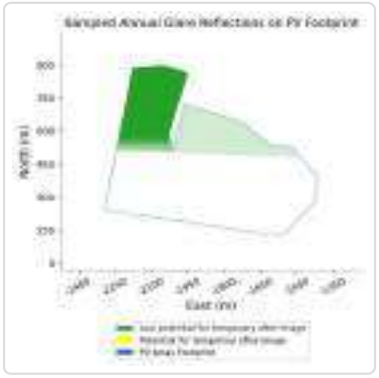
PV array is expected to produce the following glare for this receptor:

- 321 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 3: OP 51
No glare found

PV array 3: OP 52
No glare found

PV array 3: OP 53
No glare found

PV array 3: OP 54
No glare found

PV array 3: OP 55
No glare found

PV array 3: OP 56
No glare found

PV array 3: OP 57
No glare found

PV array 3: OP 58
No glare found

PV array 4 low potential for temporary after-image

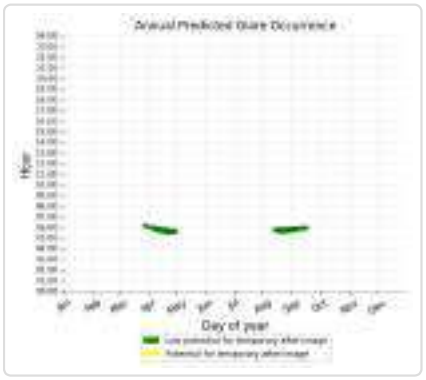
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	823	0
OP: OP 2	927	0
OP: OP 3	982	0
OP: OP 4	1053	0
OP: OP 5	1042	0
OP: OP 6	1130	0
OP: OP 7	1230	0
OP: OP 8	1233	0
OP: OP 9	1369	0
OP: OP 10	1133	0
OP: OP 11	1142	0
OP: OP 12	1177	0
OP: OP 13	1311	0
OP: OP 14	1458	0
OP: OP 15	1643	0
OP: OP 16	1773	0
OP: OP 17	1613	0
OP: OP 18	2228	0
OP: OP 19	1321	0
OP: OP 20	1424	0

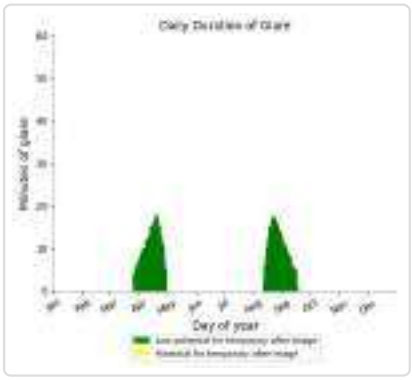
OP: OP 21	1215	0
OP: OP 22	1017	0
OP: OP 23	883	0
OP: OP 24	847	0
OP: OP 25	1800	0
OP: OP 26	1850	0
OP: OP 27	1715	0
OP: OP 28	1879	0
OP: OP 29	0	0
OP: OP 30	79	0
OP: OP 31	1144	0
OP: OP 32	1483	0
OP: OP 33	1507	0
OP: OP 34	1616	0
OP: OP 35	1537	0
OP: OP 36	1885	0
OP: OP 37	2234	0
OP: OP 38	2248	0
OP: OP 39	2430	0
OP: OP 40	2674	0
OP: OP 41	2847	0
OP: OP 42	2875	0
OP: OP 43	2480	0
OP: OP 44	2530	0
OP: OP 45	2040	0
OP: OP 46	1741	0
OP: OP 47	1898	0
OP: OP 48	1610	0
OP: OP 49	845	0
OP: OP 50	852	0
OP: OP 51	216	0
OP: OP 52	23	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

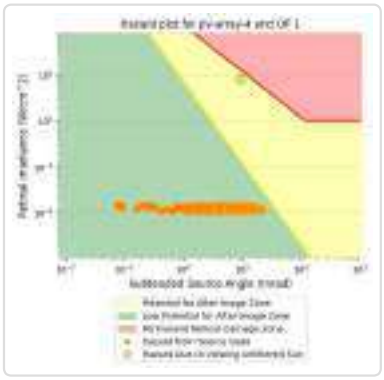
PV array 4: OP 1

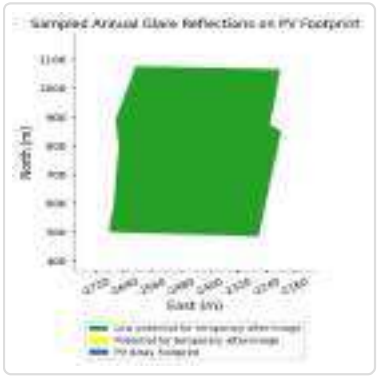
PV array is expected to produce the following glare for this receptor:

- 823 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





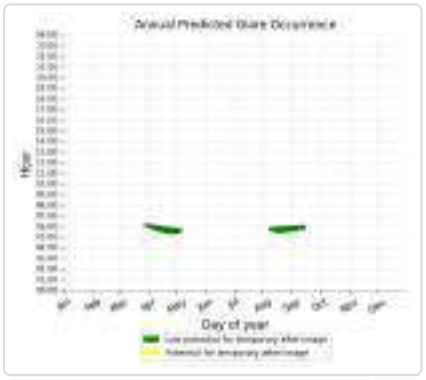


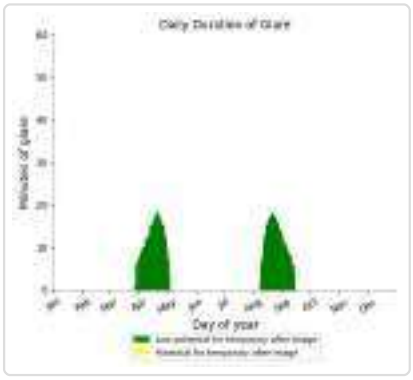


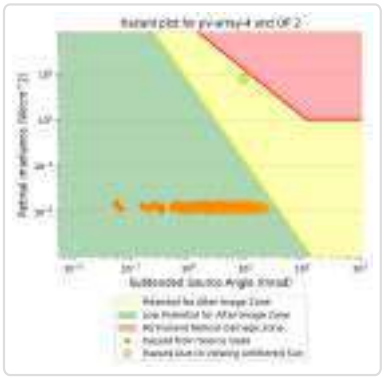
PV array 4: OP 2

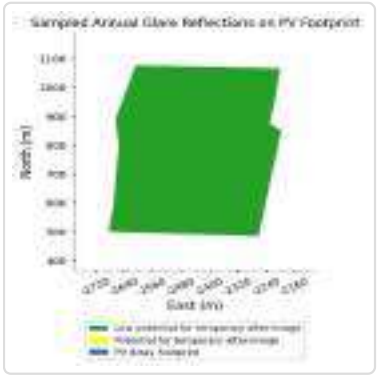
PV array is expected to produce the following glare for this receptor:

- 927 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





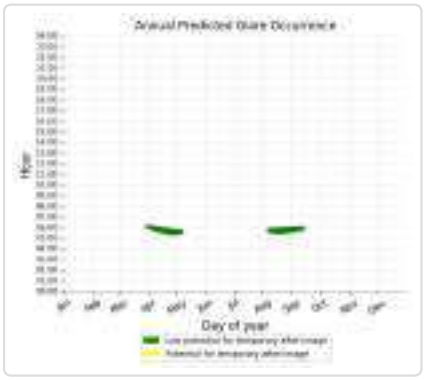


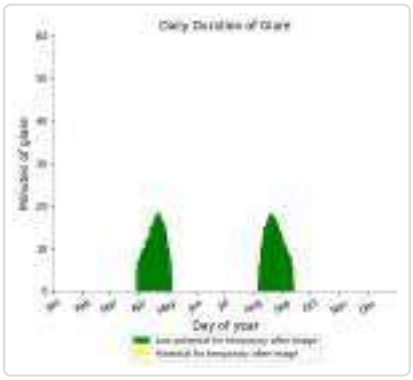


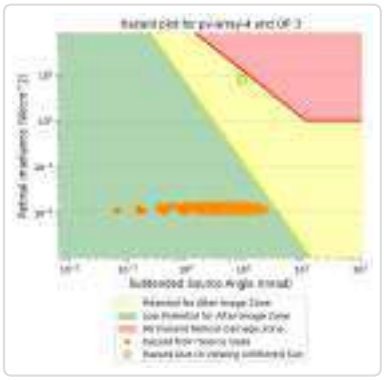
PV array 4: OP 3

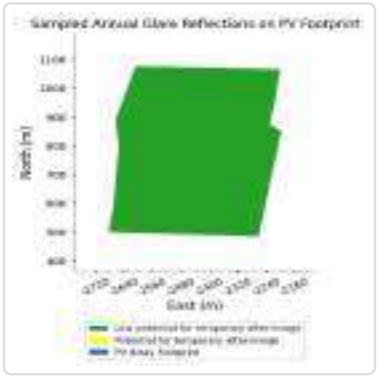
PV array is expected to produce the following glare for this receptor:

- 982 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





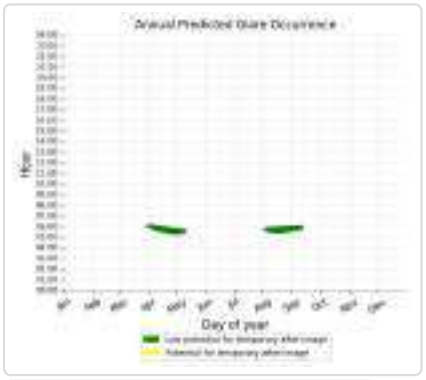


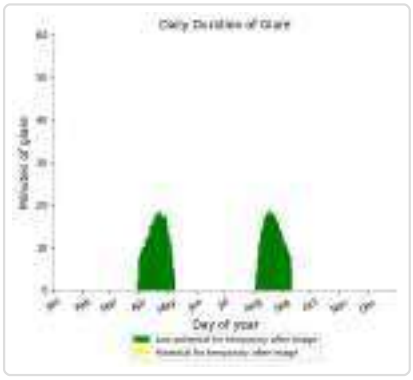


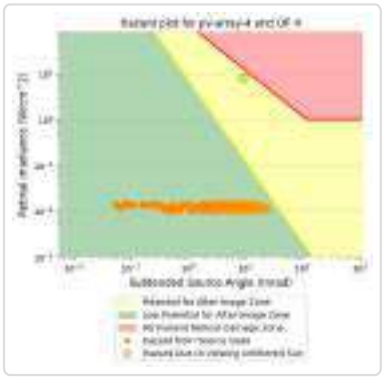
PV array 4: OP 4

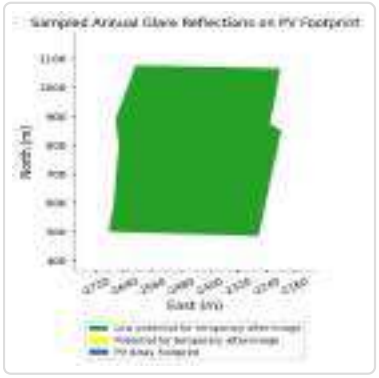
PV array is expected to produce the following glare for this receptor:

- 1,053 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





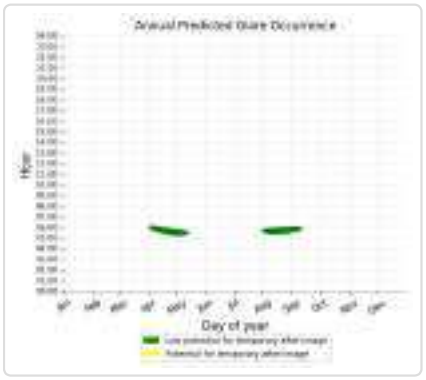


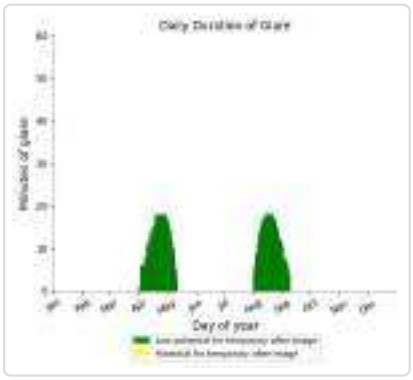


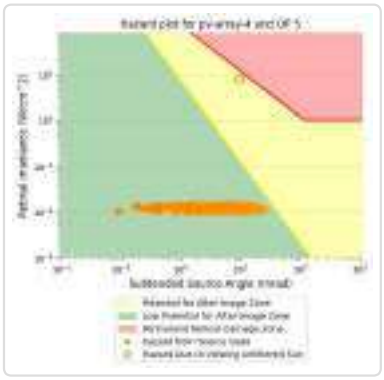
PV array 4: OP 5

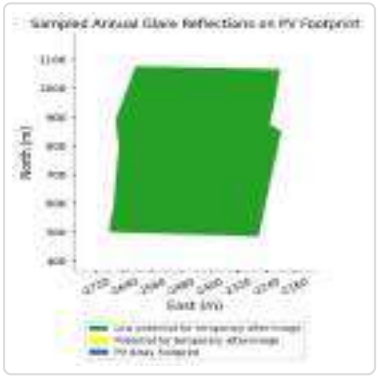
PV array is expected to produce the following glare for this receptor:

- 1,042 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





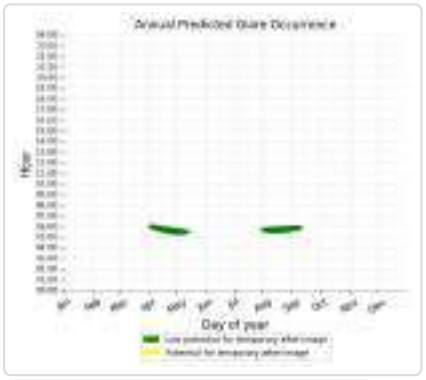


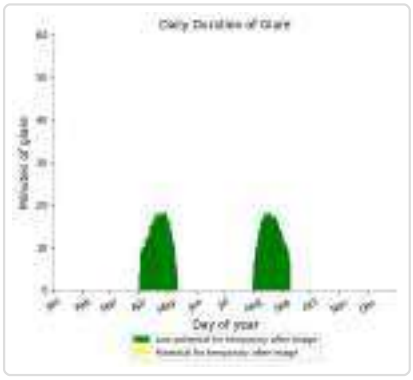


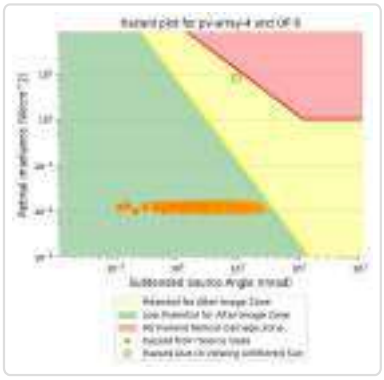
PV array 4: OP 6

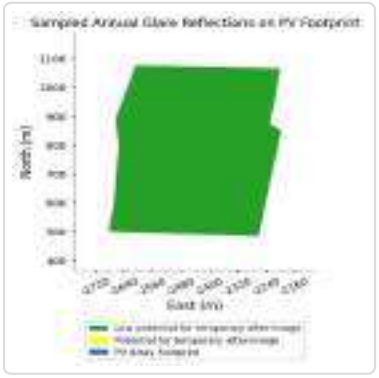
PV array is expected to produce the following glare for this receptor:

- 1,130 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





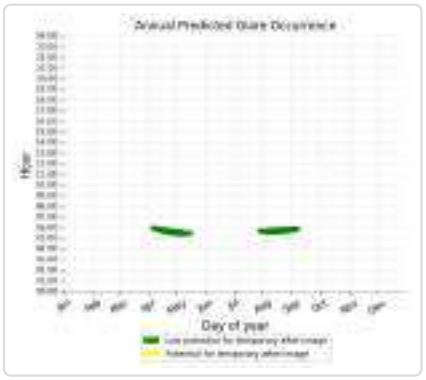


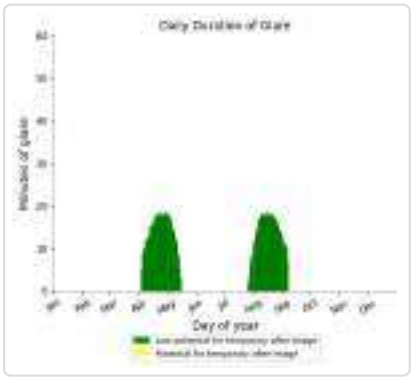


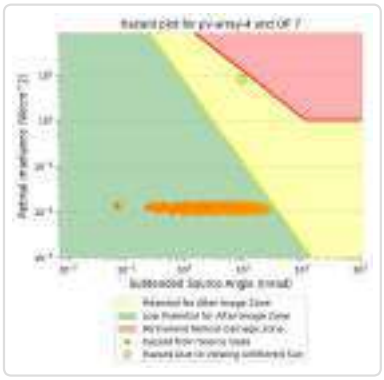
PV array 4: OP 7

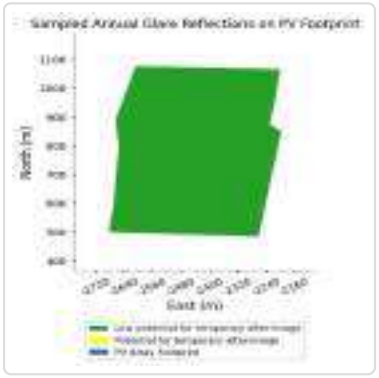
PV array is expected to produce the following glare for this receptor:

- 1,230 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





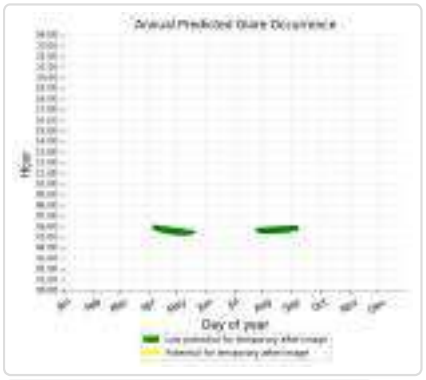


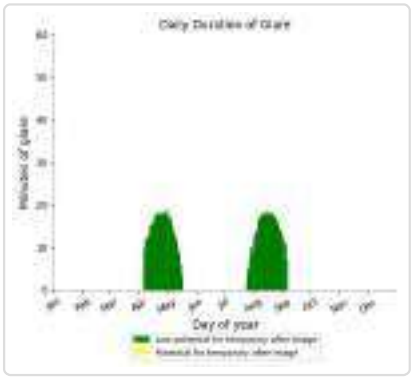


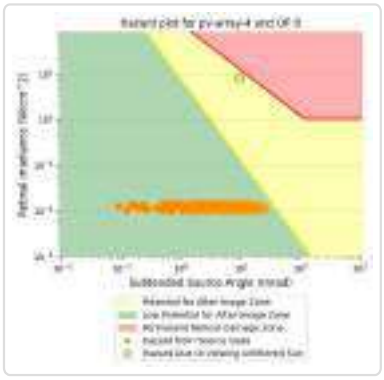
PV array 4: OP 8

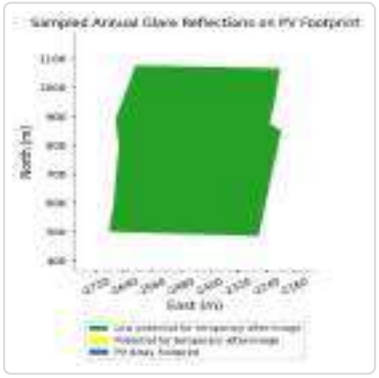
PV array is expected to produce the following glare for this receptor:

- 1,233 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





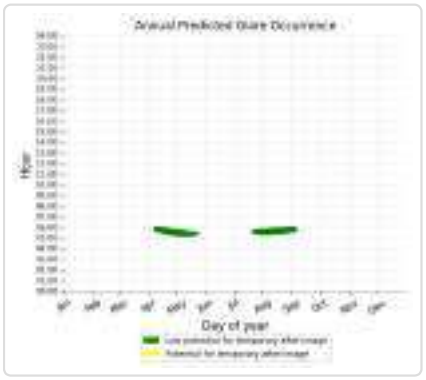


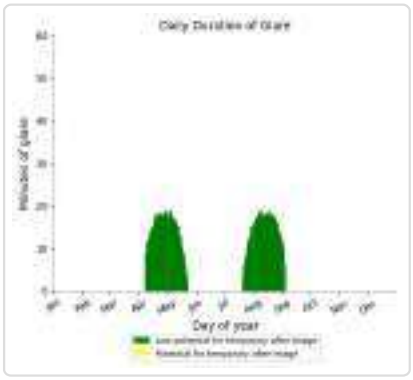


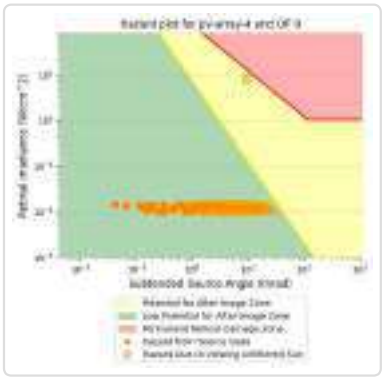
PV array 4: OP 9

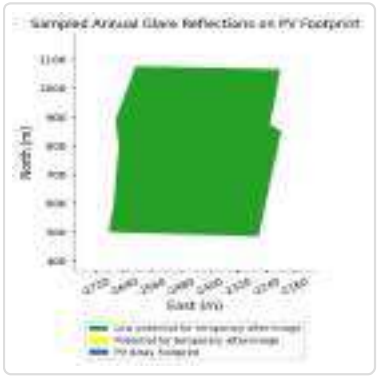
PV array is expected to produce the following glare for this receptor:

- 1,369 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





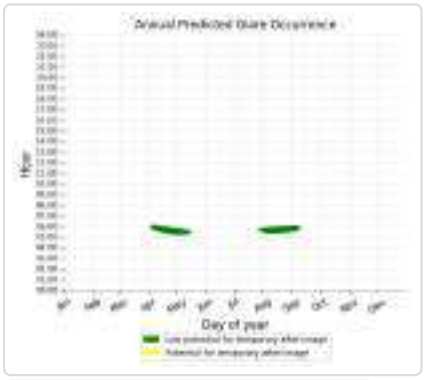


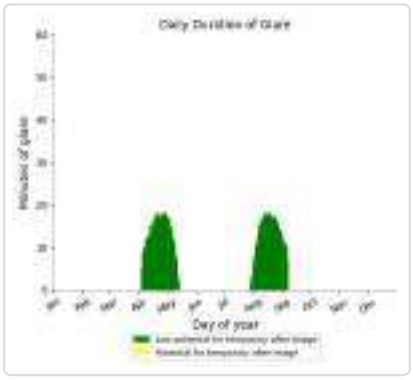


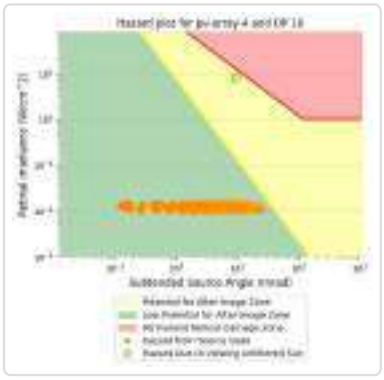
PV array 4: OP 10

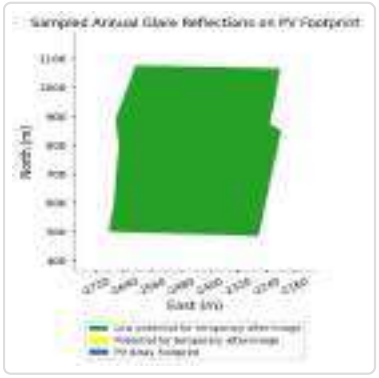
PV array is expected to produce the following glare for this receptor:

- 1,133 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





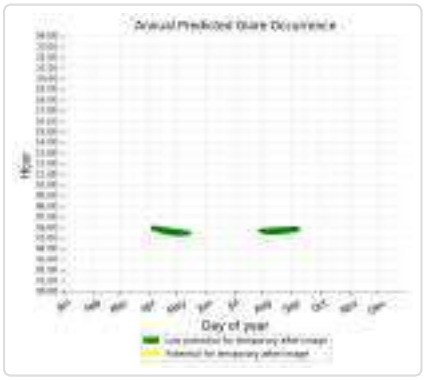


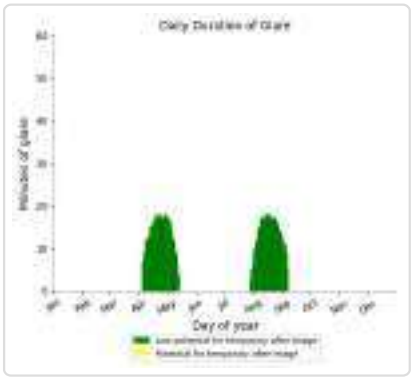


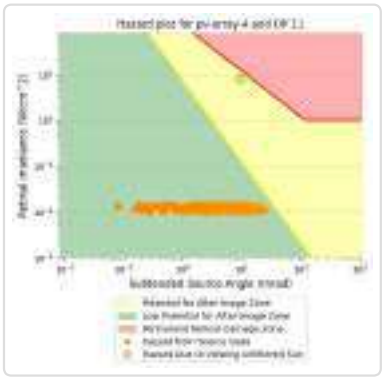
PV array 4: OP 11

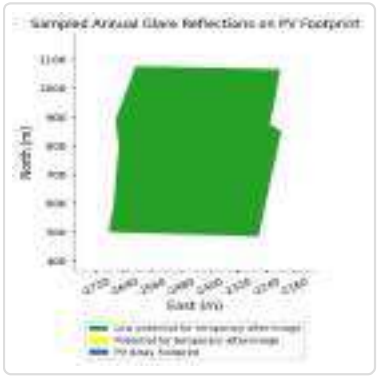
PV array is expected to produce the following glare for this receptor:

- 1,142 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





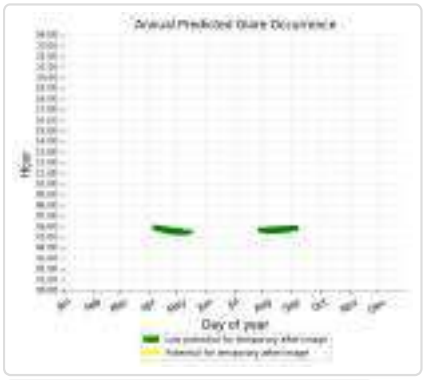


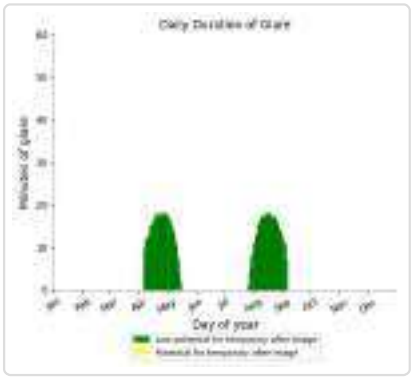


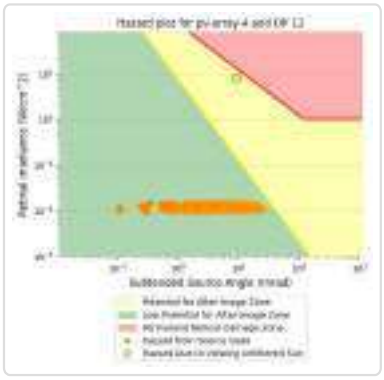
PV array 4: OP 12

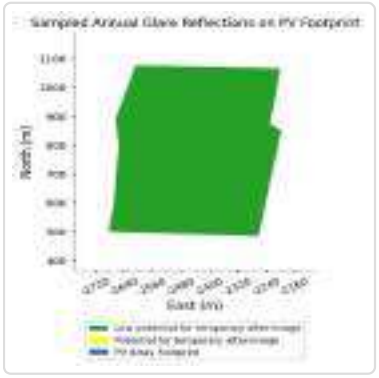
PV array is expected to produce the following glare for this receptor:

- 1,177 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





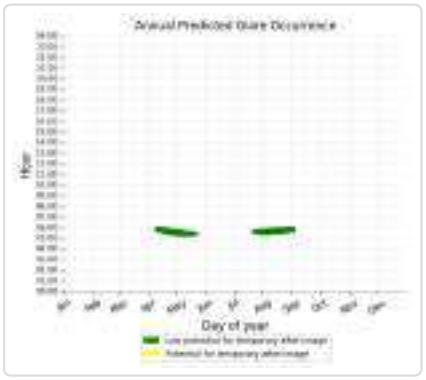


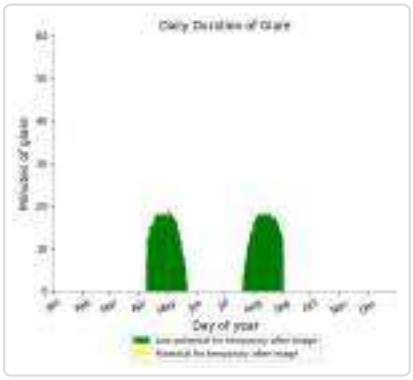


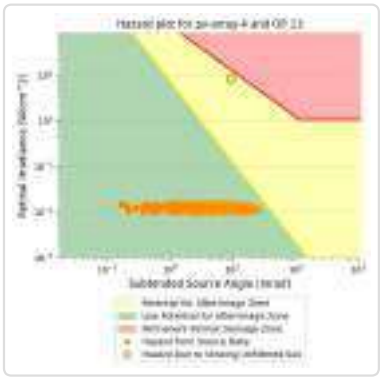
PV array 4: OP 13

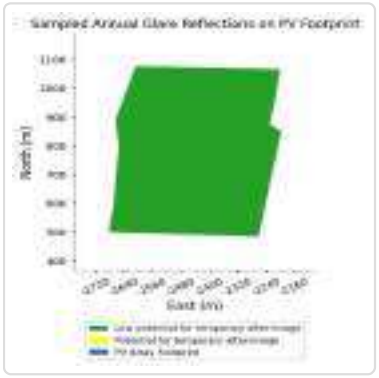
PV array is expected to produce the following glare for this receptor:

- 1,311 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





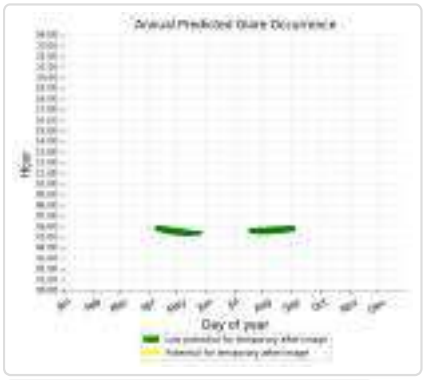


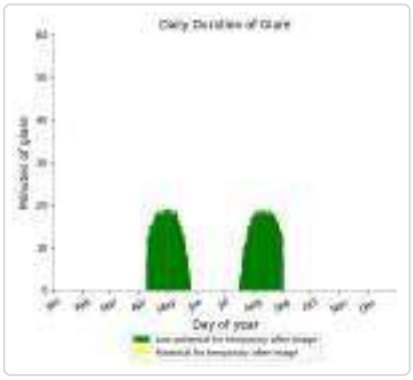


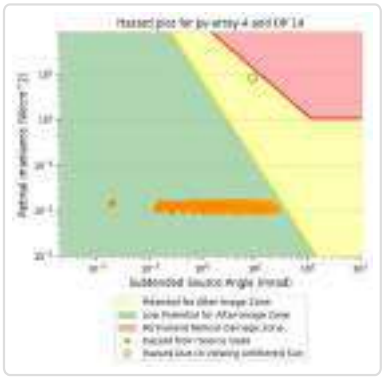
PV array 4: OP 14

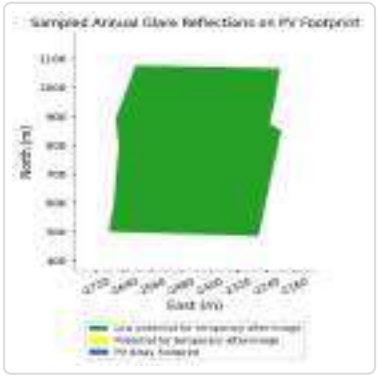
PV array is expected to produce the following glare for this receptor:

- 1,458 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





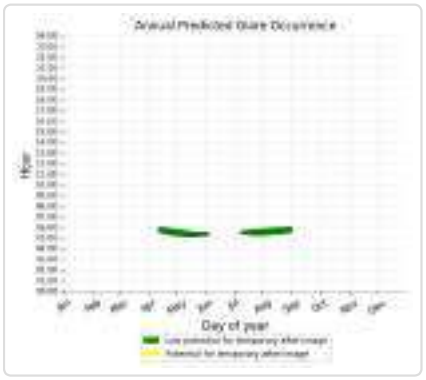


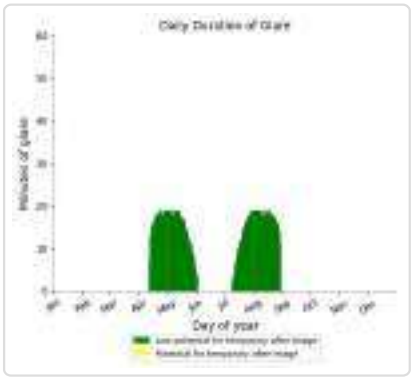


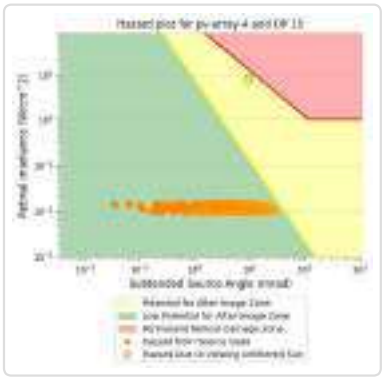
PV array 4: OP 15

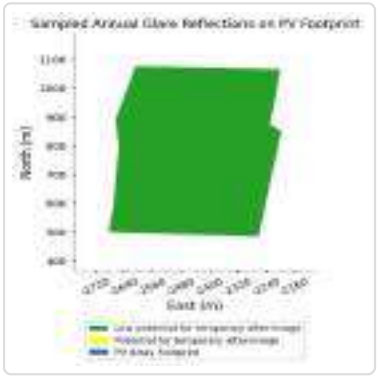
PV array is expected to produce the following glare for this receptor:

- 1,643 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





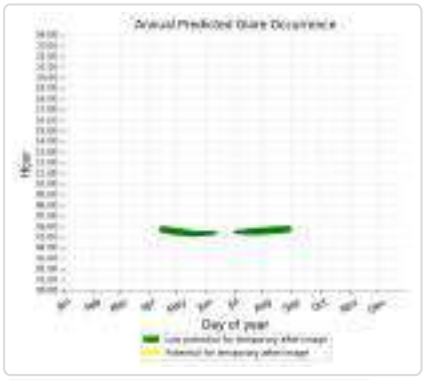


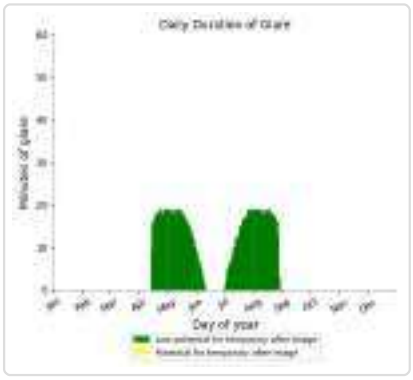


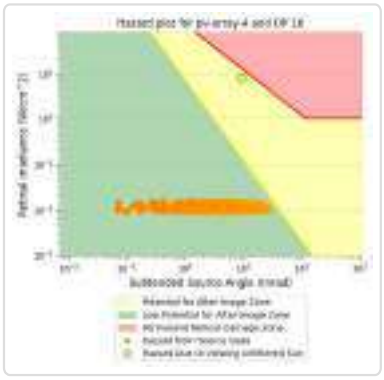
PV array 4: OP 16

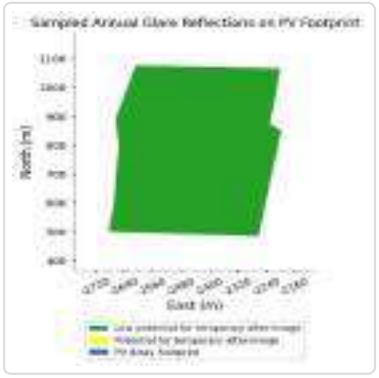
PV array is expected to produce the following glare for this receptor:

- 1,773 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





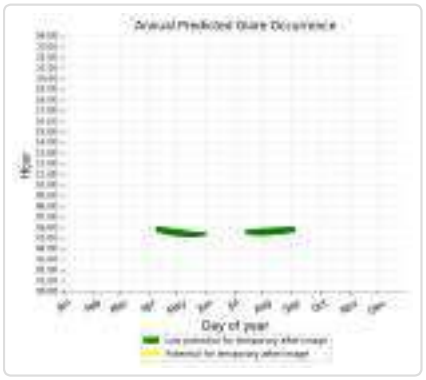


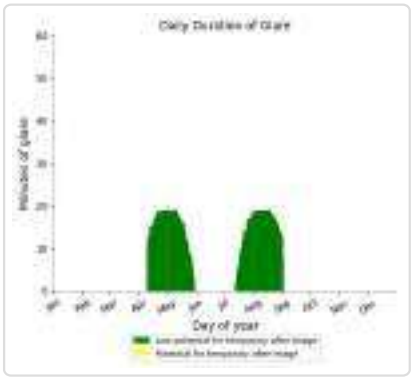


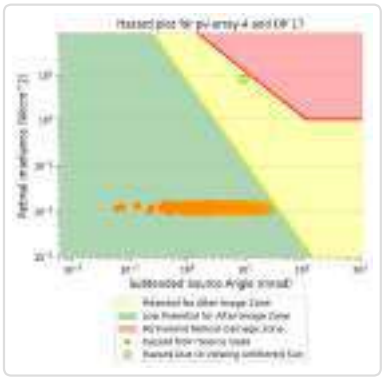
PV array 4: OP 17

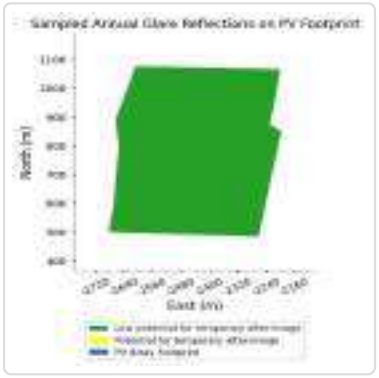
PV array is expected to produce the following glare for this receptor:

- 1,613 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





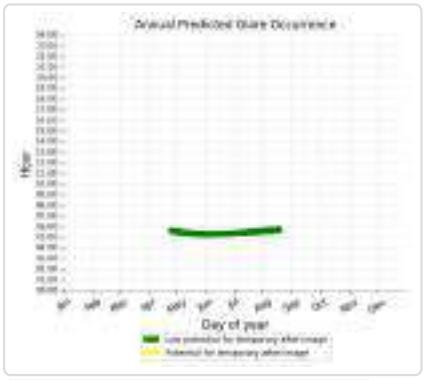


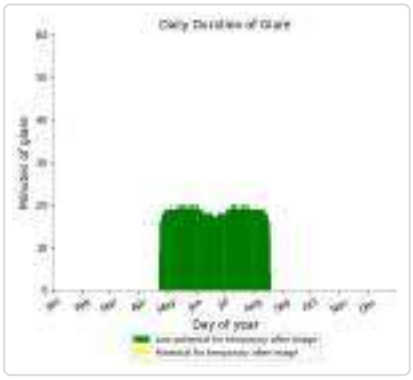


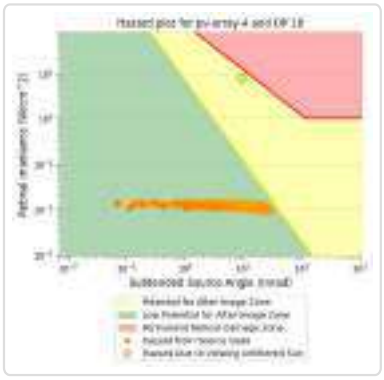
PV array 4: OP 18

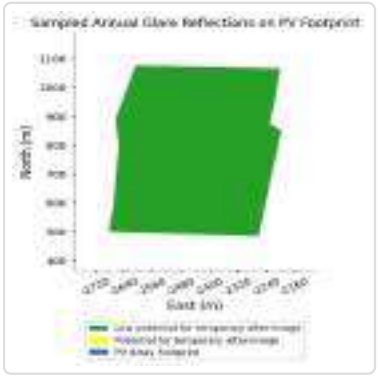
PV array is expected to produce the following glare for this receptor:

- 2,228 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





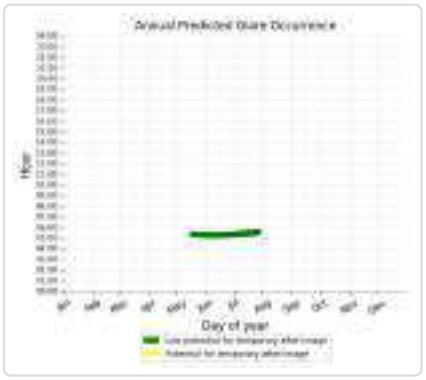


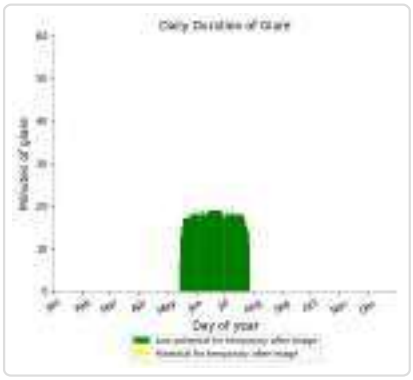


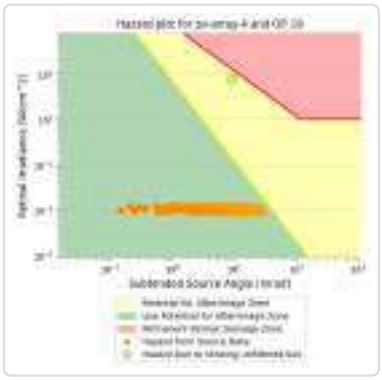
PV array 4: OP 19

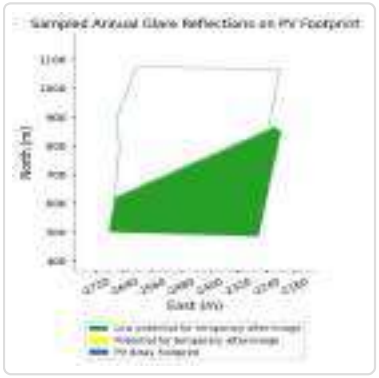
PV array is expected to produce the following glare for this receptor:

- 1,321 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





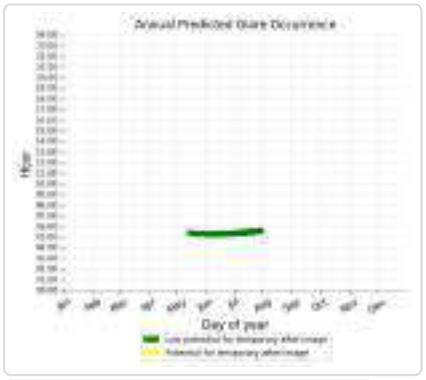


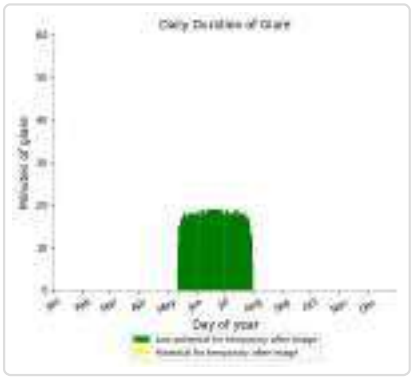


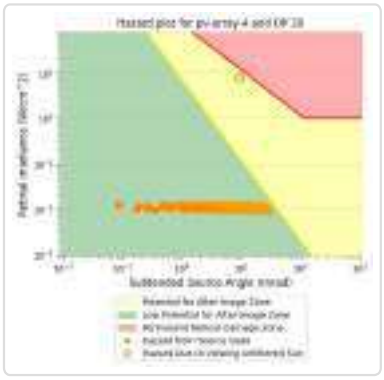
PV array 4: OP 20

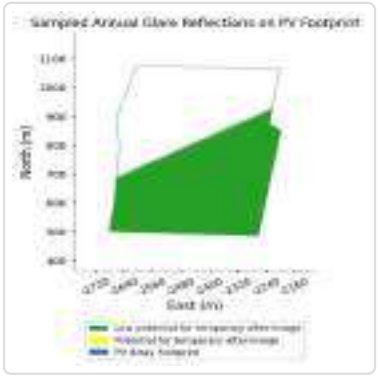
PV array is expected to produce the following glare for this receptor:

- 1,424 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





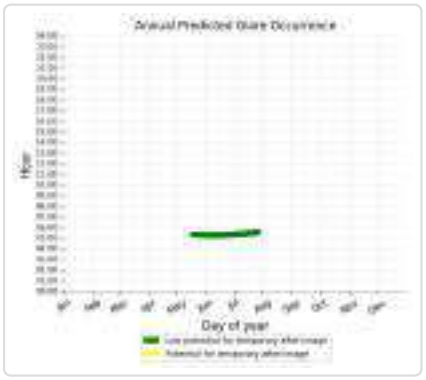


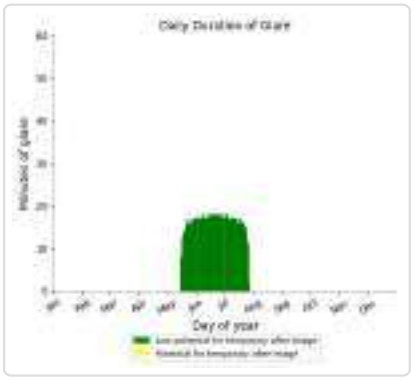


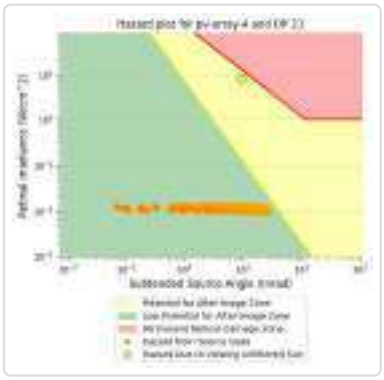
PV array 4: OP 21

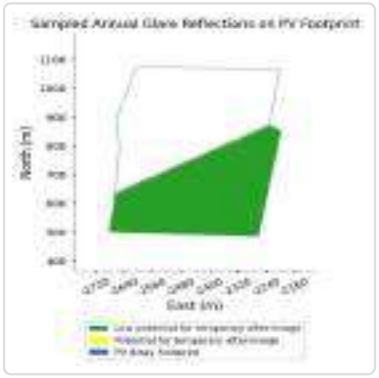
PV array is expected to produce the following glare for this receptor:

- 1,215 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





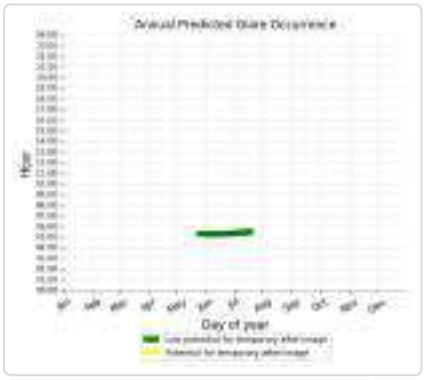


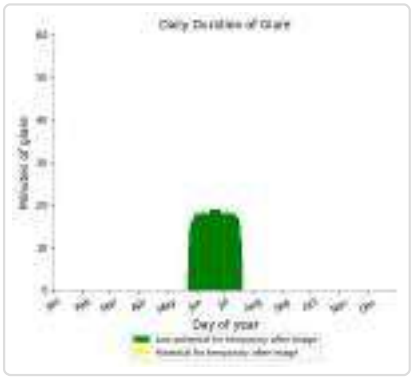


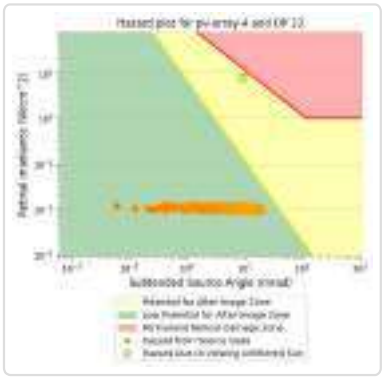
PV array 4: OP 22

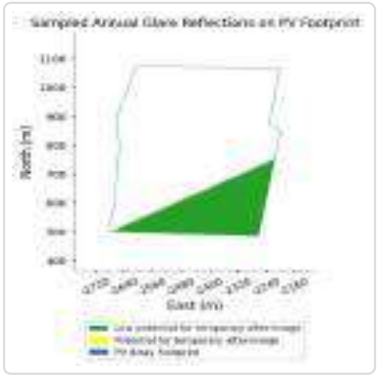
PV array is expected to produce the following glare for this receptor:

- 1,017 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





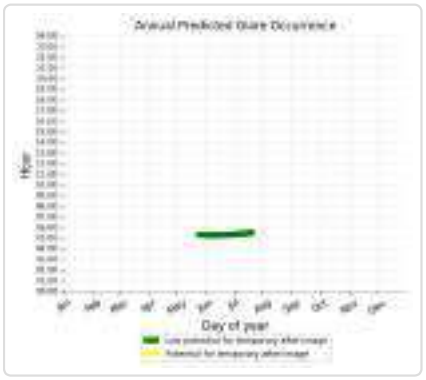


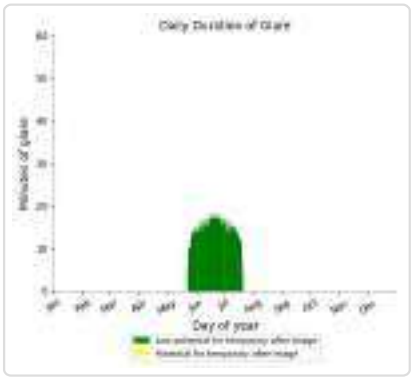


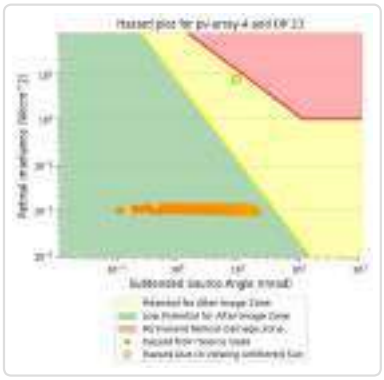
PV array 4: OP 23

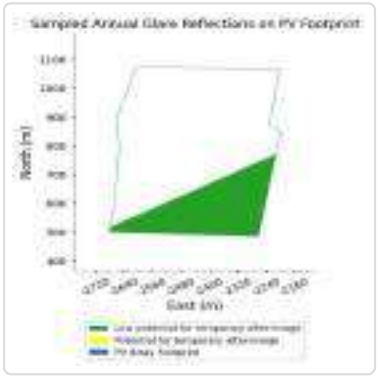
PV array is expected to produce the following glare for this receptor:

- 883 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





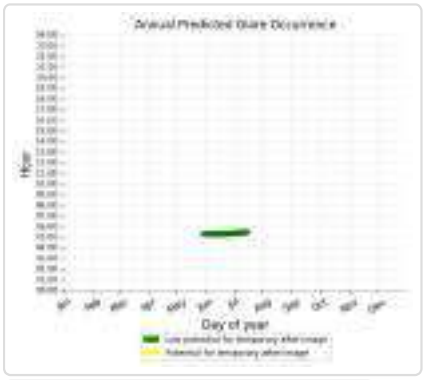


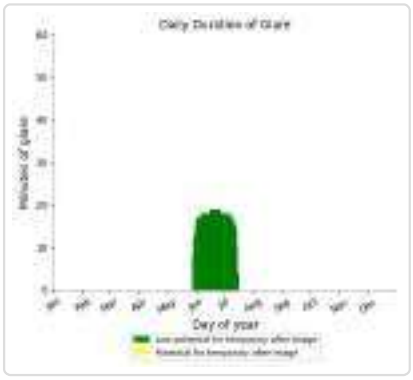


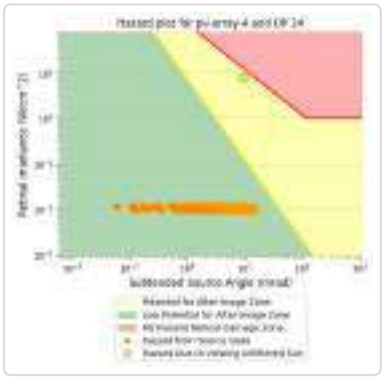
PV array 4: OP 24

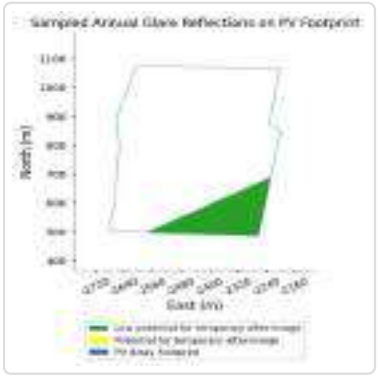
PV array is expected to produce the following glare for this receptor:

- 847 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





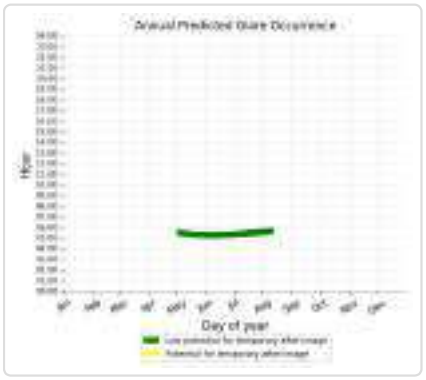


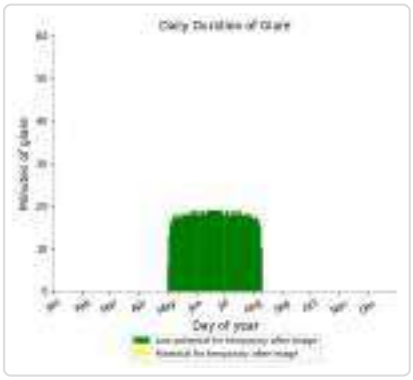


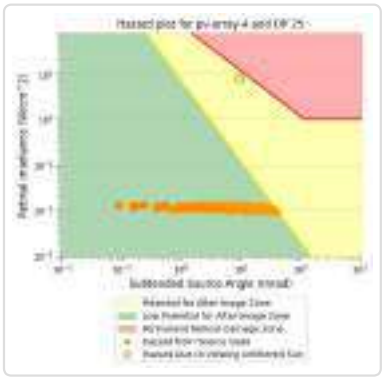
PV array 4: OP 25

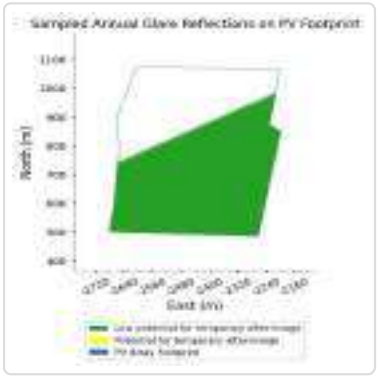
PV array is expected to produce the following glare for this receptor:

- 1,800 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





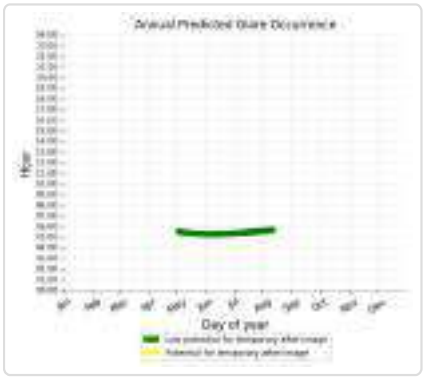


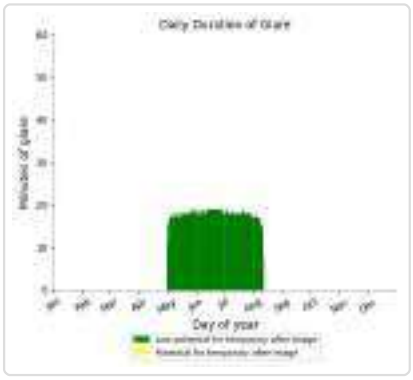


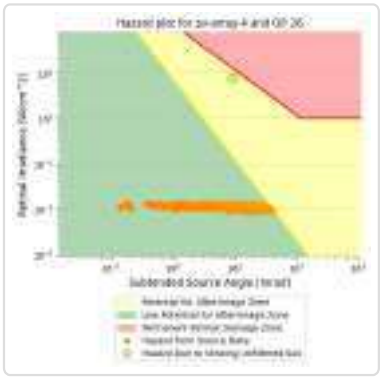
PV array 4: OP 26

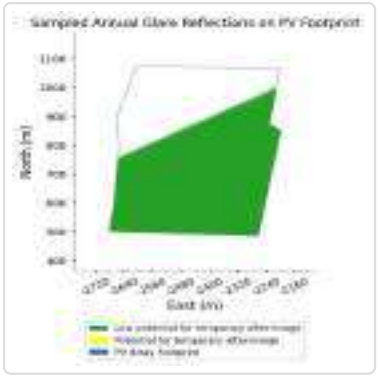
PV array is expected to produce the following glare for this receptor:

- 1,850 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





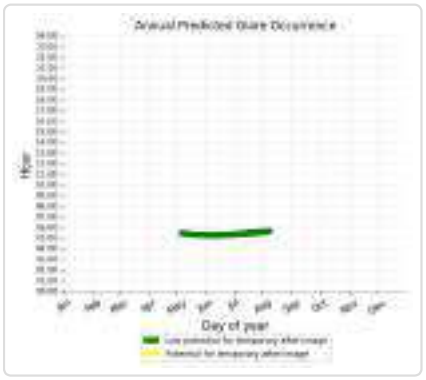


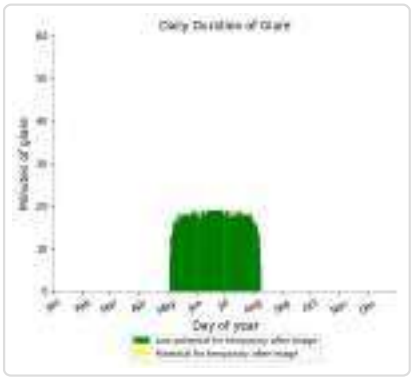


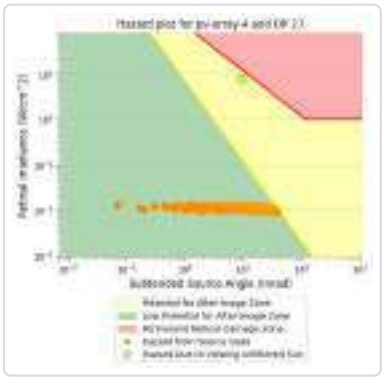
PV array 4: OP 27

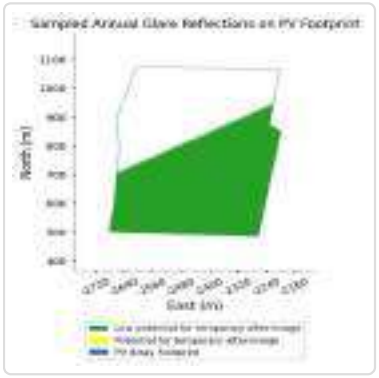
PV array is expected to produce the following glare for this receptor:

- 1,715 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





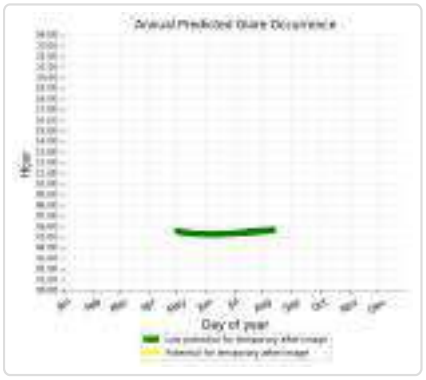


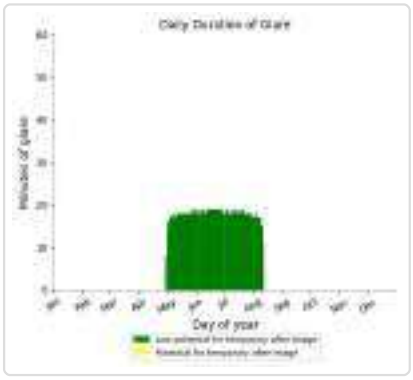


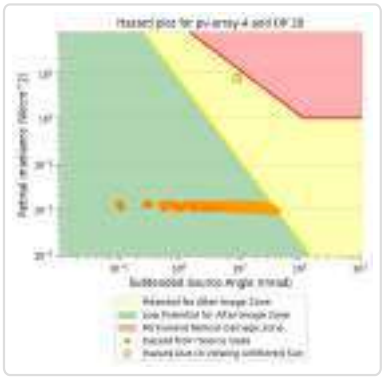
PV array 4: OP 28

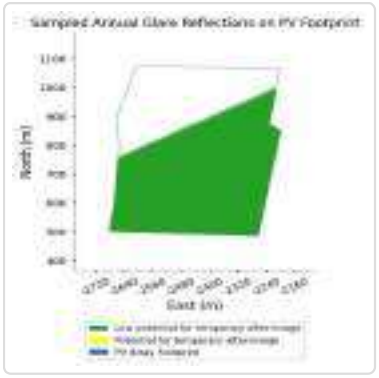
PV array is expected to produce the following glare for this receptor:

- 1,879 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









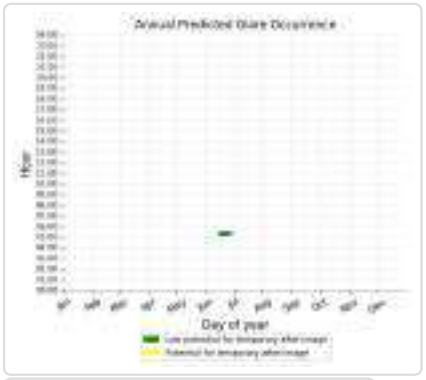
PV array 4: OP 29

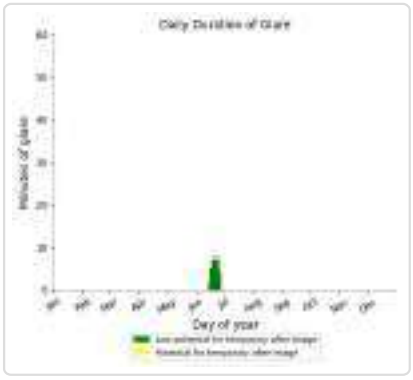
No glare found

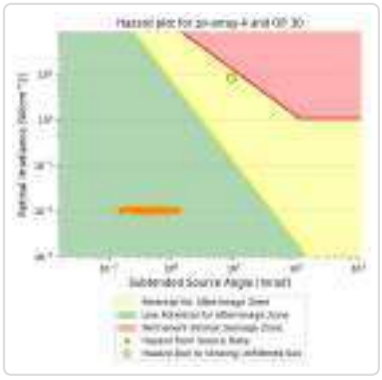
PV array 4: OP 30

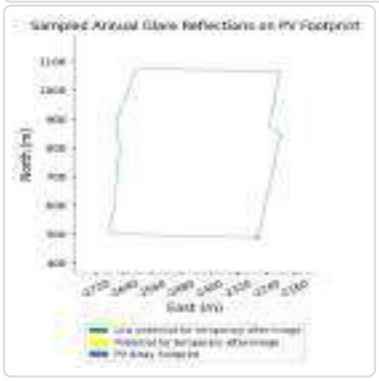
PV array is expected to produce the following glare for this receptor:

- 79 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





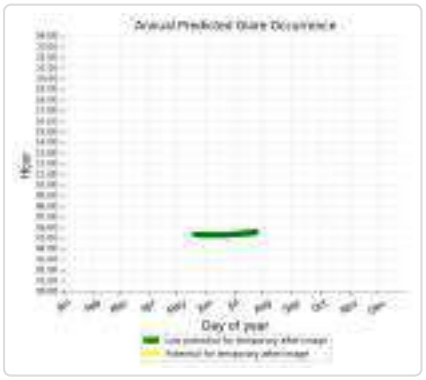


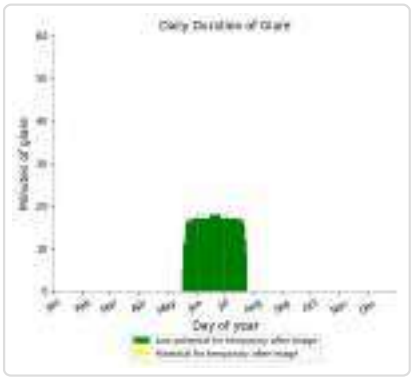


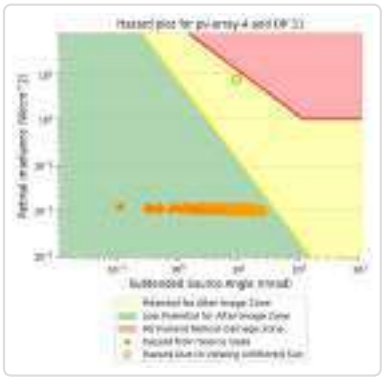
PV array 4: OP 31

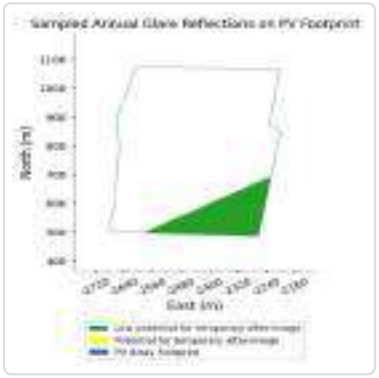
PV array is expected to produce the following glare for this receptor:

- 1,144 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





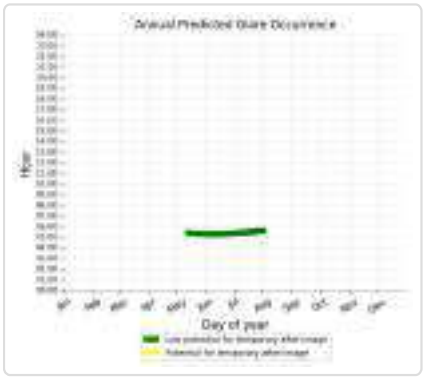


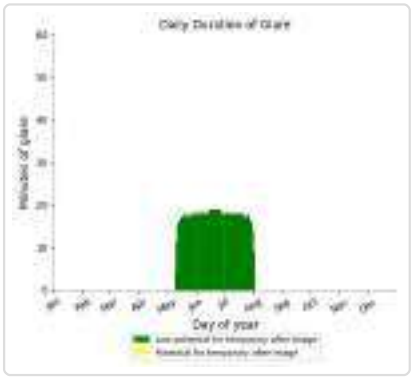


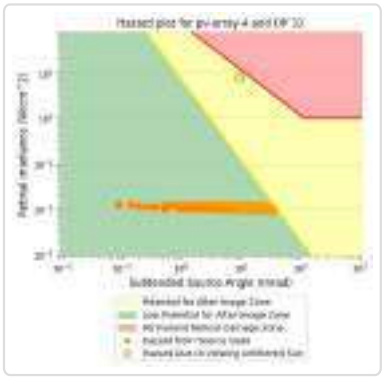
PV array 4: OP 32

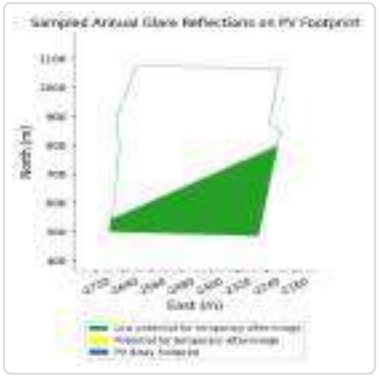
PV array is expected to produce the following glare for this receptor:

- 1,483 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





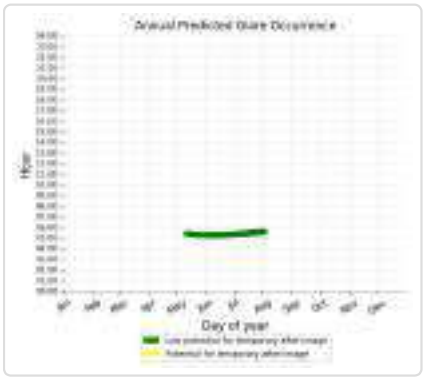


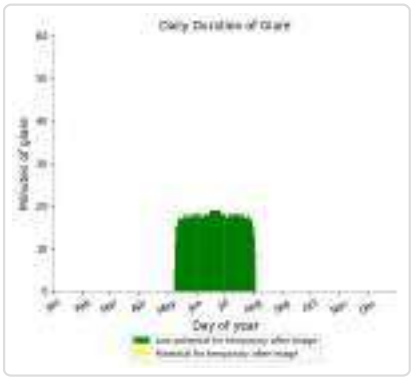


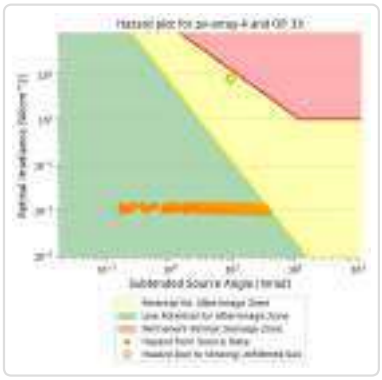
PV array 4: OP 33

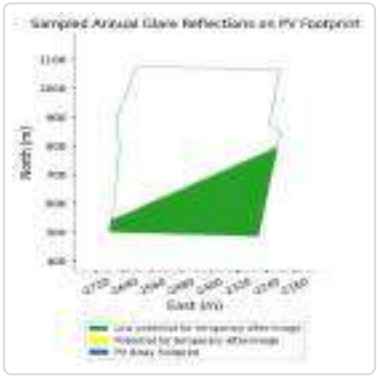
PV array is expected to produce the following glare for this receptor:

- 1,507 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





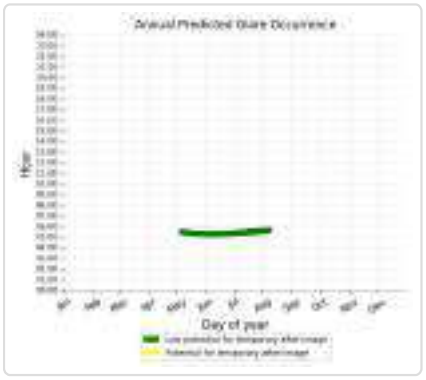


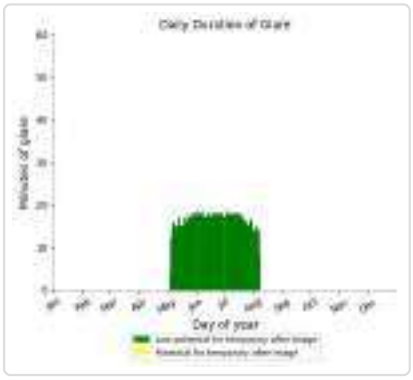


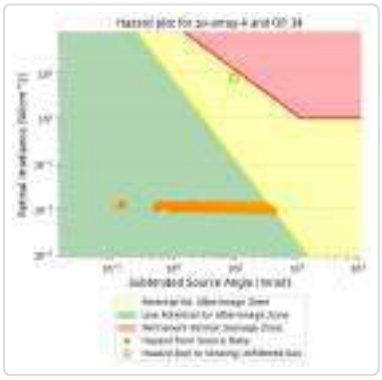
PV array 4: OP 34

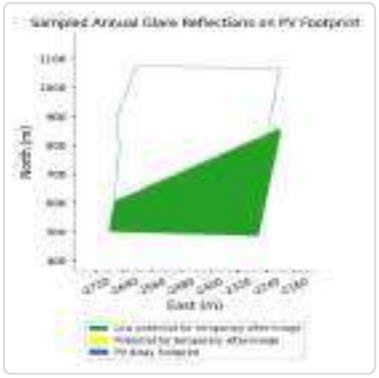
PV array is expected to produce the following glare for this receptor:

- 1,616 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





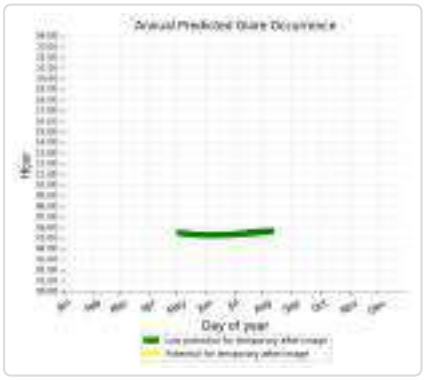


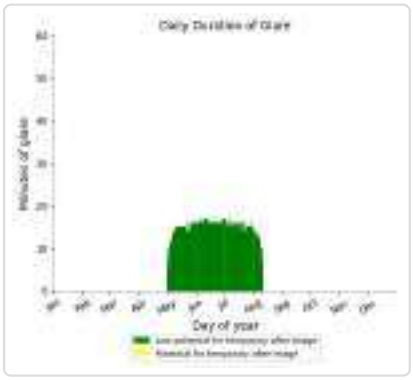


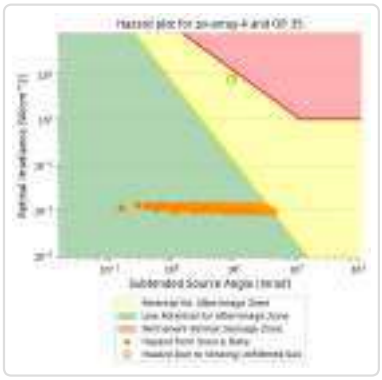
PV array 4: OP 35

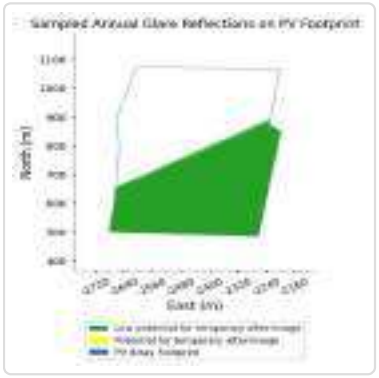
PV array is expected to produce the following glare for this receptor:

- 1,537 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





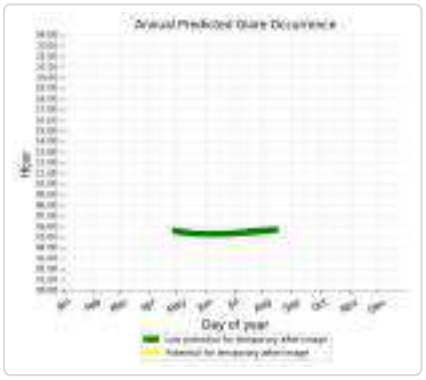


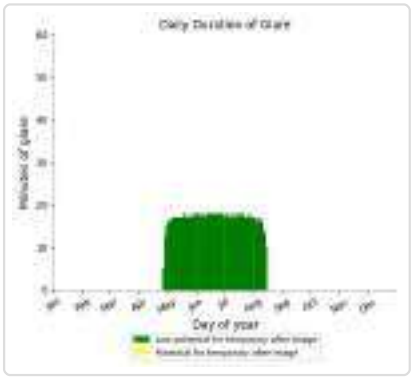


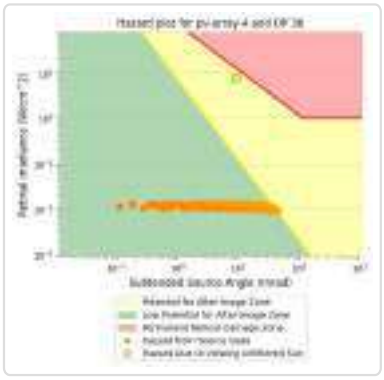
PV array 4: OP 36

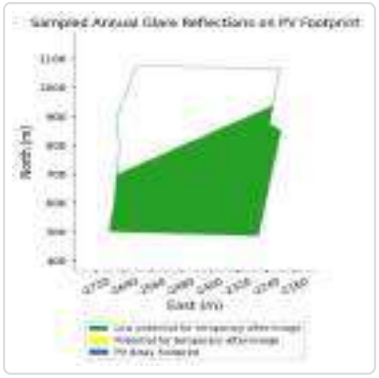
PV array is expected to produce the following glare for this receptor:

- 1,885 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





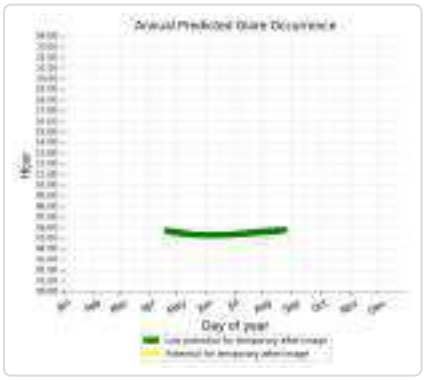


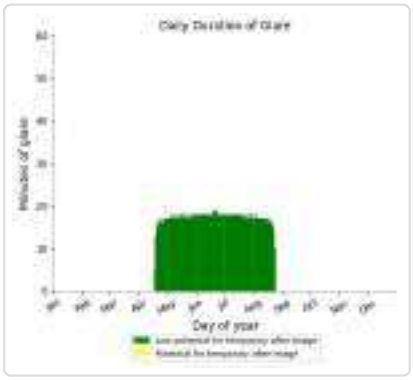


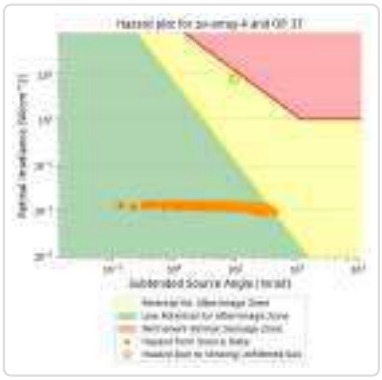
PV array 4: OP 37

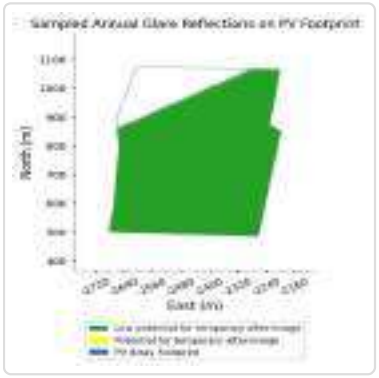
PV array is expected to produce the following glare for this receptor:

- 2,234 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





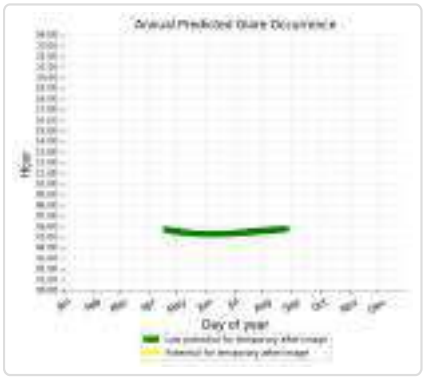


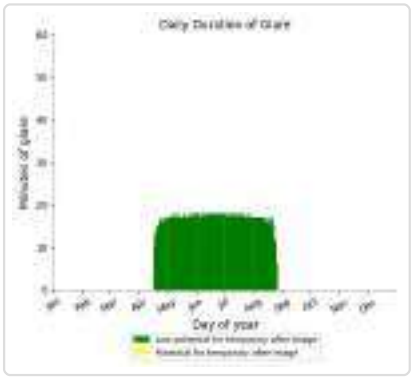


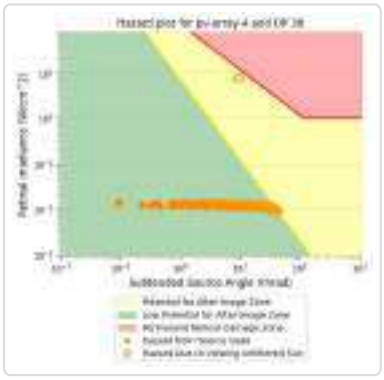
PV array 4: OP 38

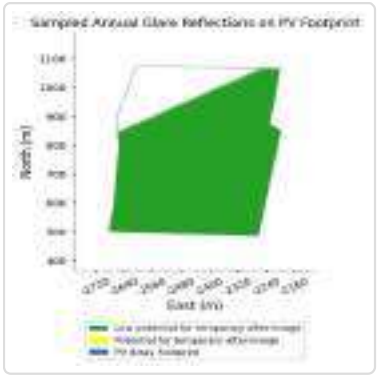
PV array is expected to produce the following glare for this receptor:

- 2,248 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





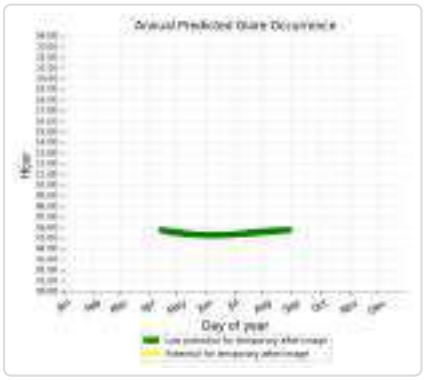


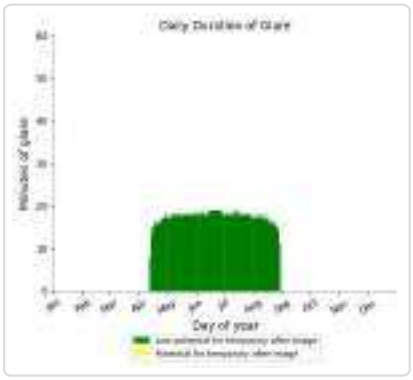


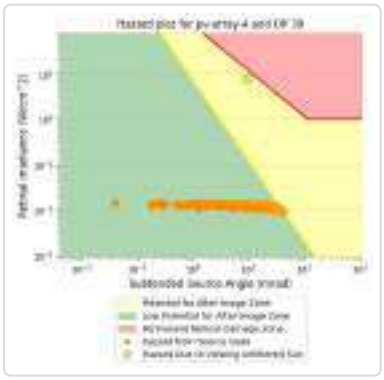
PV array 4: OP 39

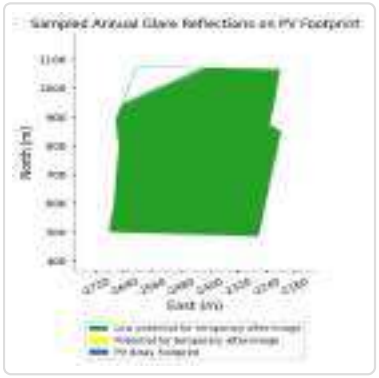
PV array is expected to produce the following glare for this receptor:

- 2,430 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





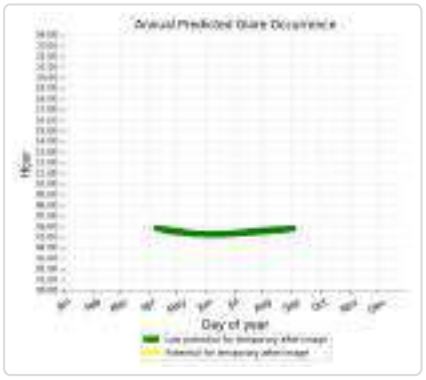


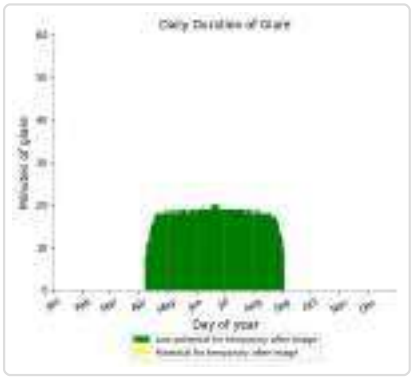


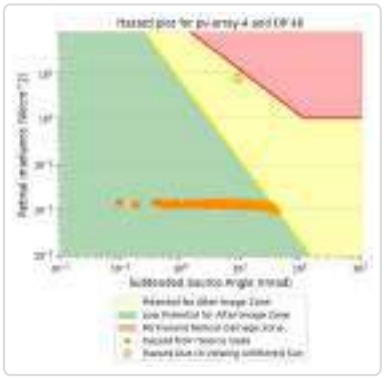
PV array 4: OP 40

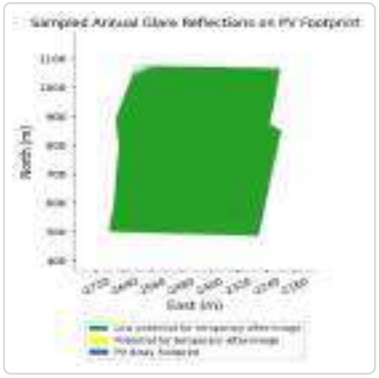
PV array is expected to produce the following glare for this receptor:

- 2,674 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





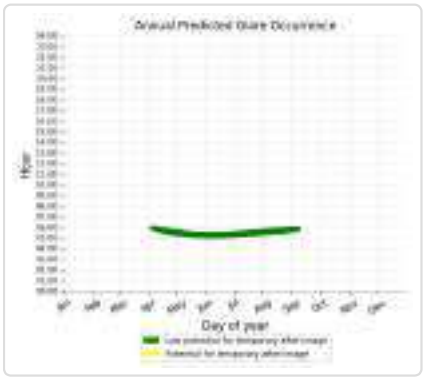


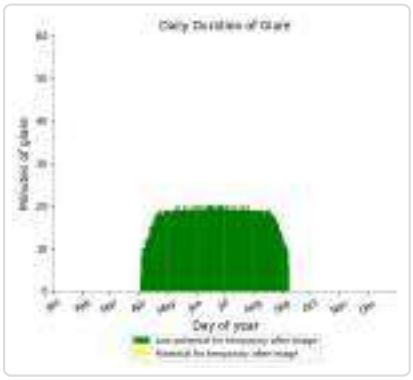


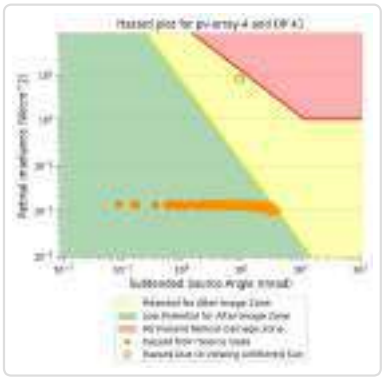
PV array 4: OP 41

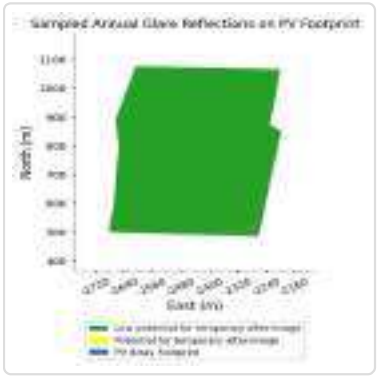
PV array is expected to produce the following glare for this receptor:

- 2,847 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





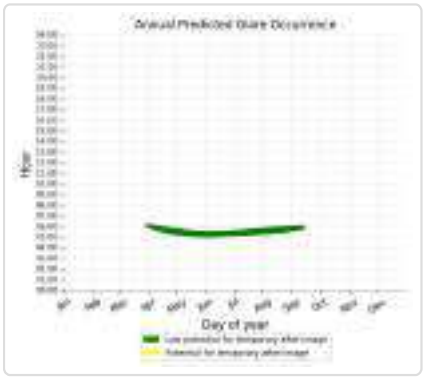


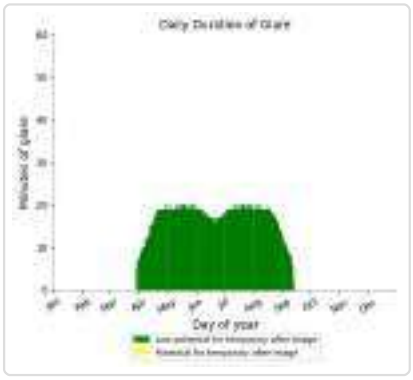


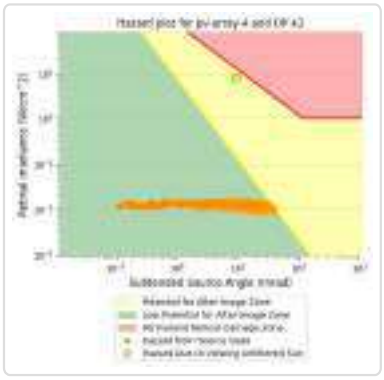
PV array 4: OP 42

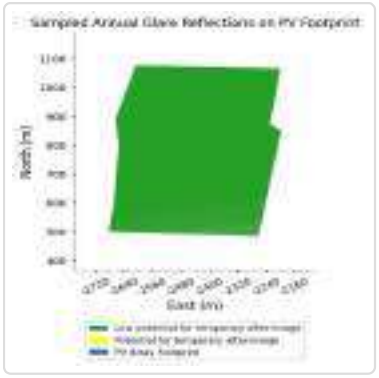
PV array is expected to produce the following glare for this receptor:

- 2,875 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





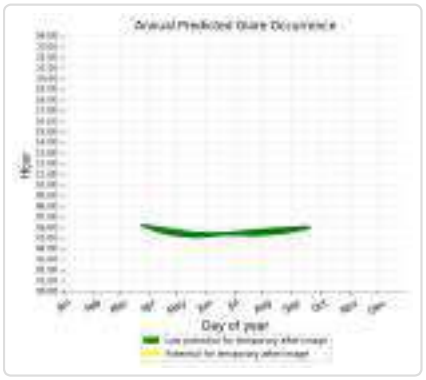


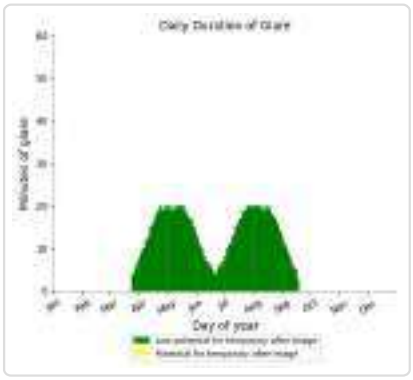


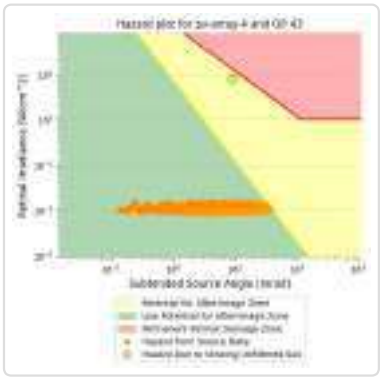
PV array 4: OP 43

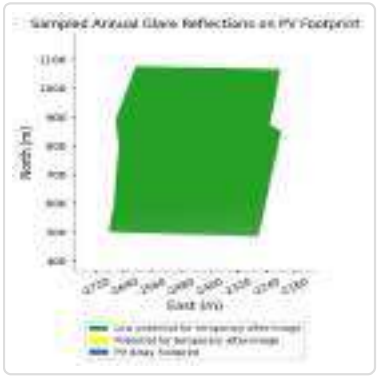
PV array is expected to produce the following glare for this receptor:

- 2,480 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





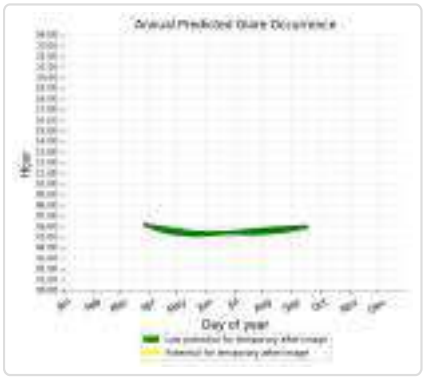


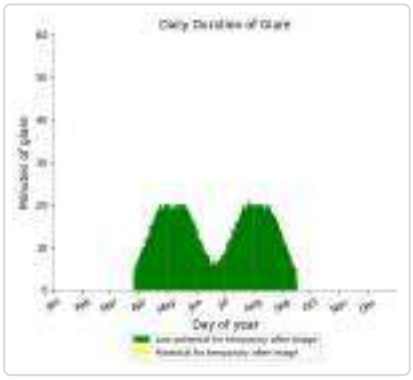


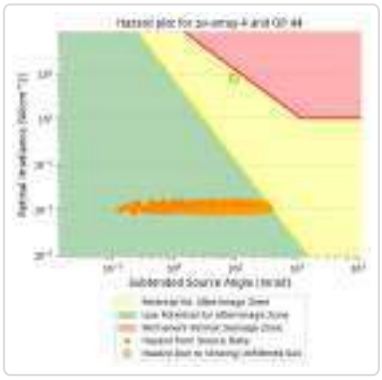
PV array 4: OP 44

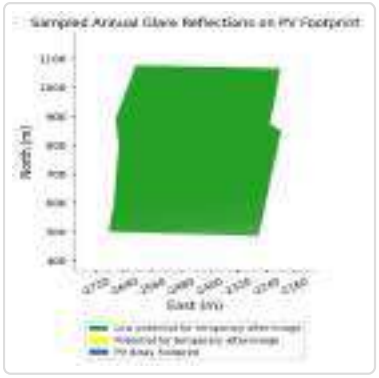
PV array is expected to produce the following glare for this receptor:

- 2,530 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





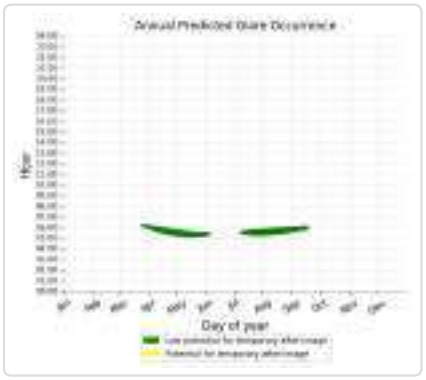


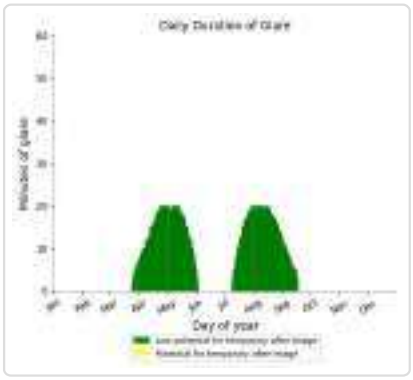


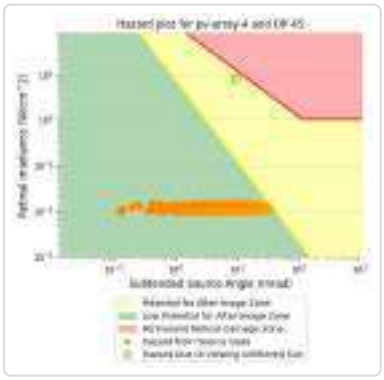
PV array 4: OP 45

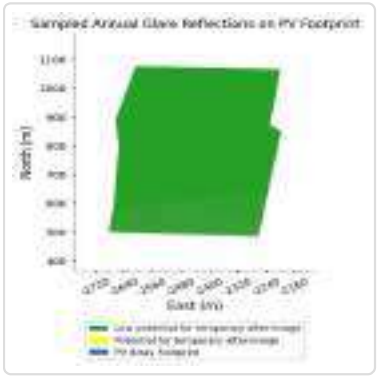
PV array is expected to produce the following glare for this receptor:

- 2,040 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





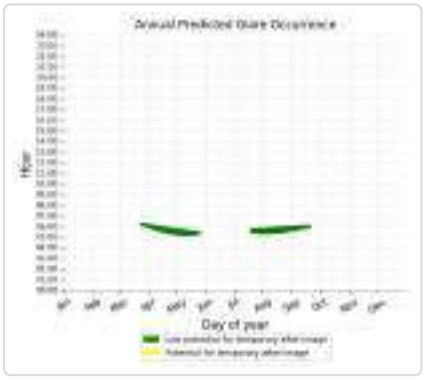


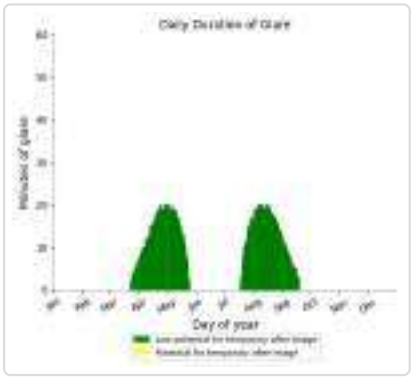


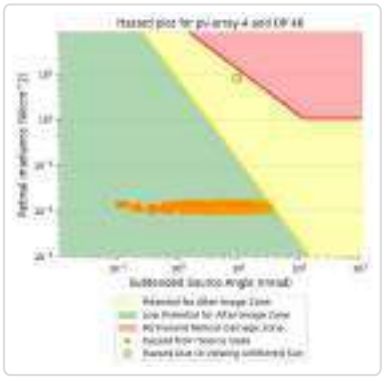
PV array 4: OP 46

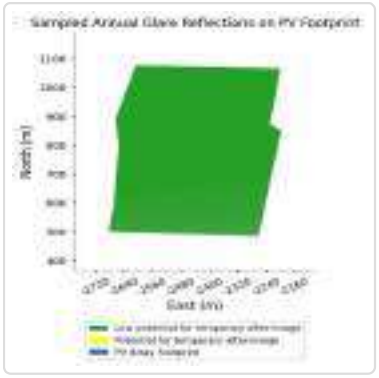
PV array is expected to produce the following glare for this receptor:

- 1,741 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





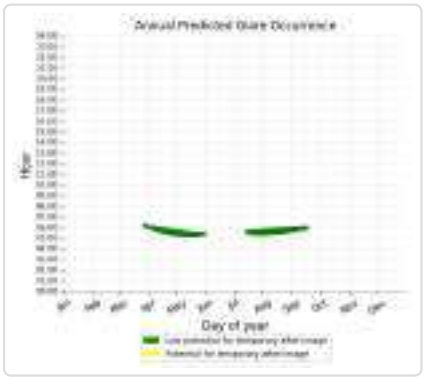


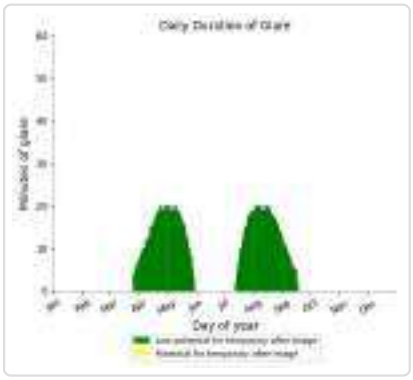


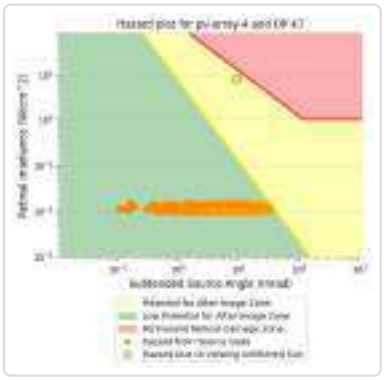
PV array 4: OP 47

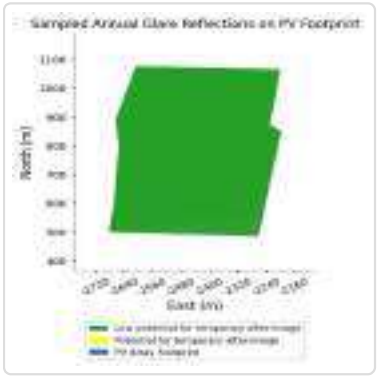
PV array is expected to produce the following glare for this receptor:

- 1,898 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





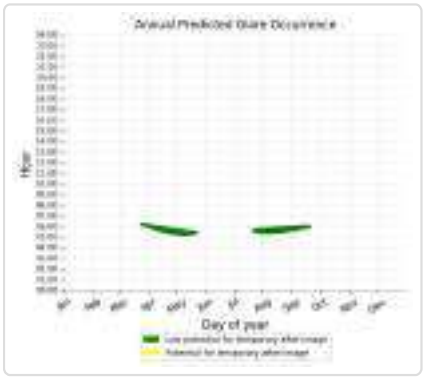


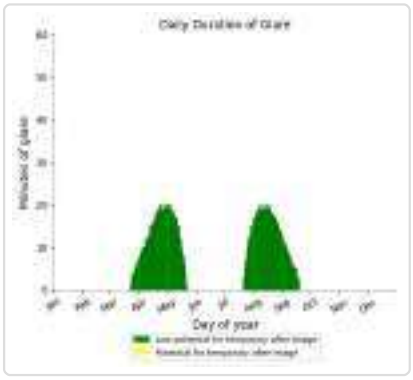


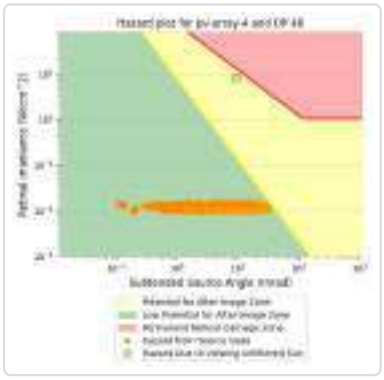
PV array 4: OP 48

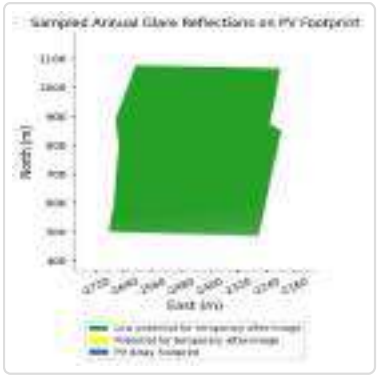
PV array is expected to produce the following glare for this receptor:

- 1,610 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





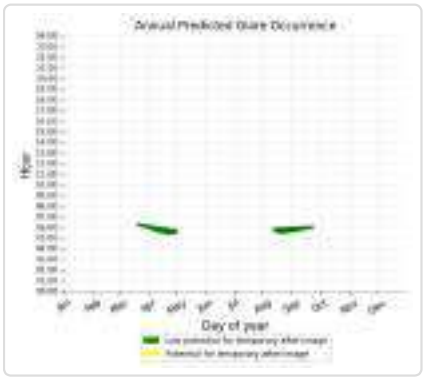


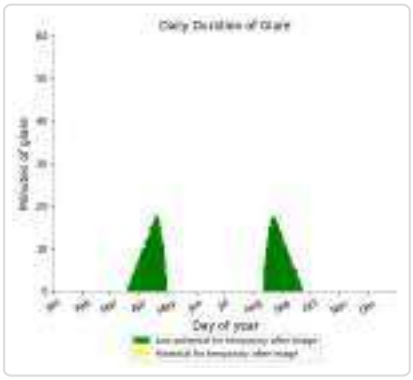


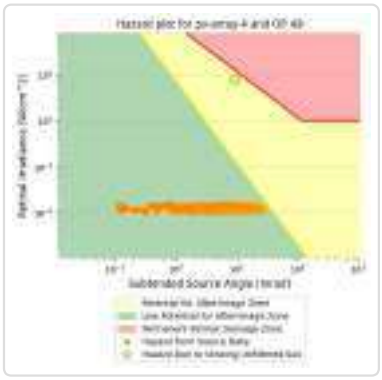
PV array 4: OP 49

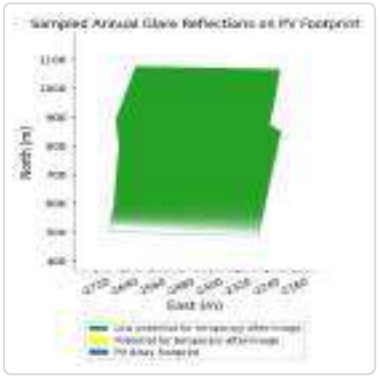
PV array is expected to produce the following glare for this receptor:

- 845 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





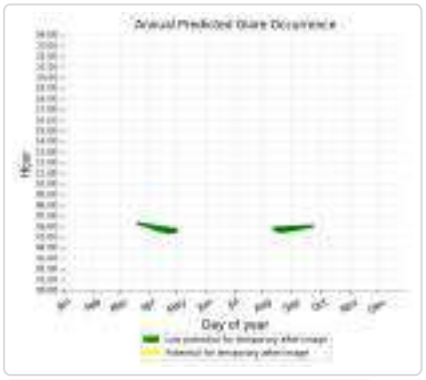


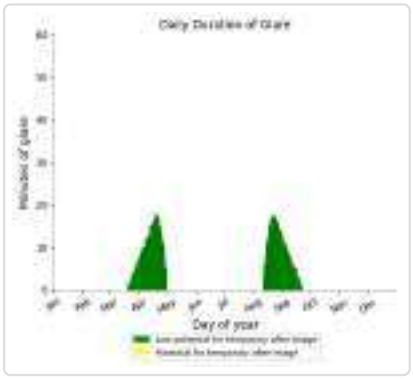


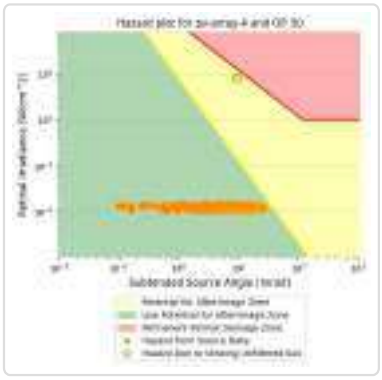
PV array 4: OP 50

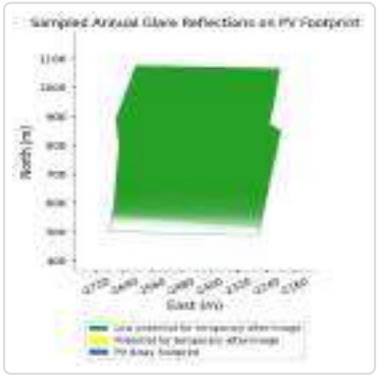
PV array is expected to produce the following glare for this receptor:

- 852 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





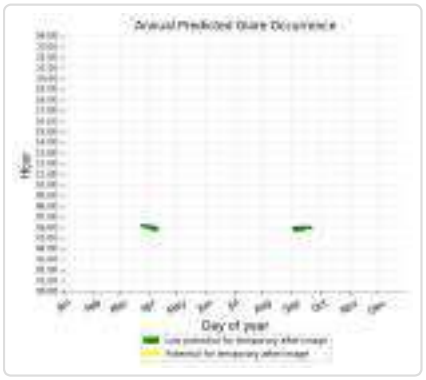


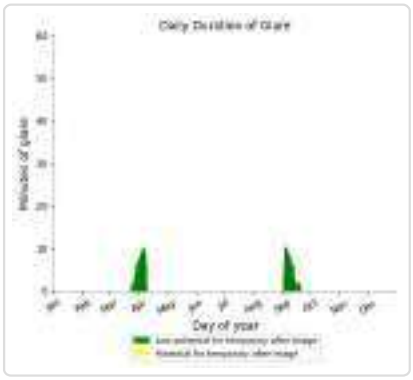


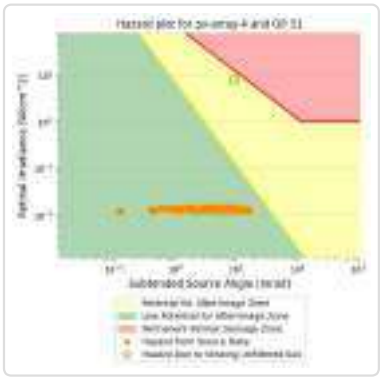
PV array 4: OP 51

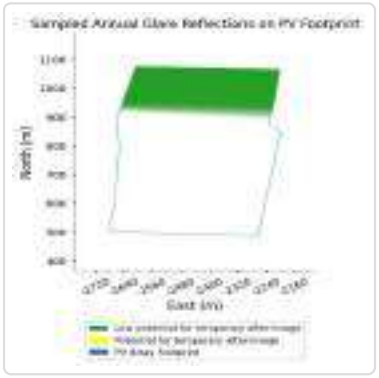
PV array is expected to produce the following glare for this receptor:

- 216 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





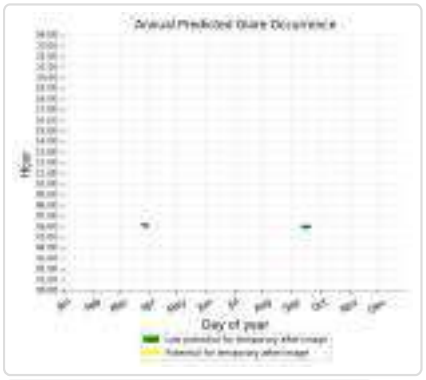


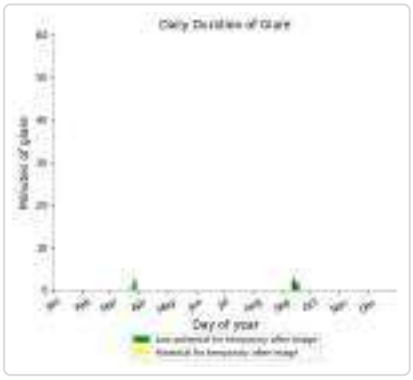


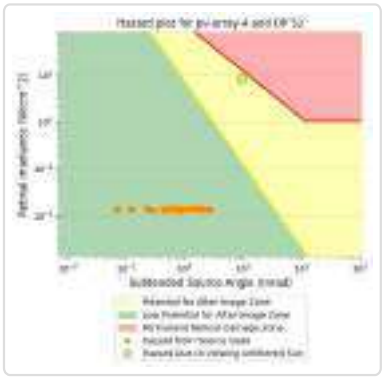
PV array 4: OP 52

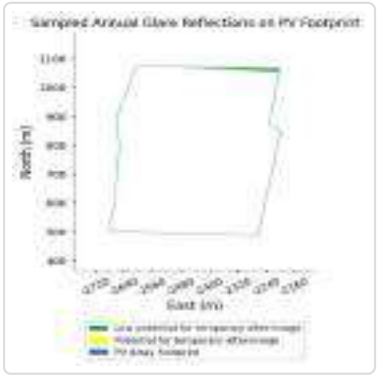
PV array is expected to produce the following glare for this receptor:

- 23 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 4: OP 53
No glare found

PV array 4: OP 54
No glare found

PV array 4: OP 55
No glare found

PV array 4: OP 56
No glare found

PV array 4: OP 57
No glare found

PV array 4: OP 58
No glare found

PV array 5 low potential for temporary after-image

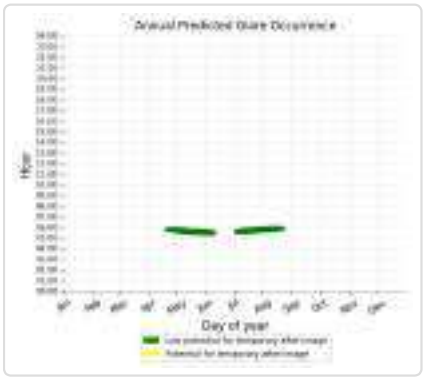
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	1145	0
OP: OP 2	1482	0
OP: OP 3	1448	0
OP: OP 4	1558	0
OP: OP 5	1498	0
OP: OP 6	1524	0
OP: OP 7	1344	0
OP: OP 8	1282	0
OP: OP 9	1043	0
OP: OP 10	1494	0
OP: OP 11	1486	0
OP: OP 12	1459	0
OP: OP 13	1040	0
OP: OP 14	841	0
OP: OP 15	319	0
OP: OP 16	59	0
OP: OP 17	374	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0

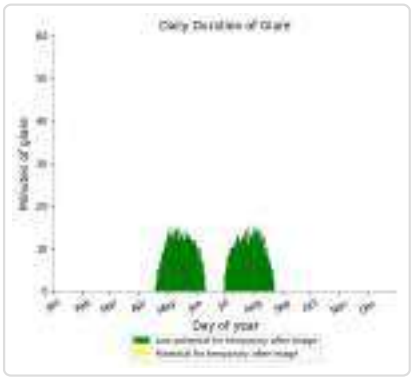
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	1473	0
OP: OP 50	1278	0
OP: OP 51	1210	0
OP: OP 52	761	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

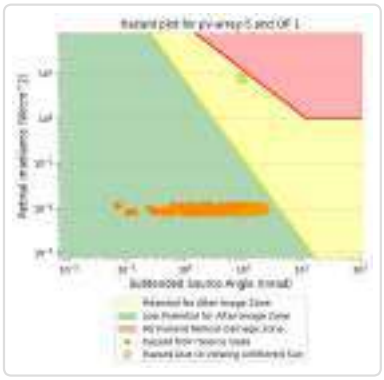
PV array 5: OP 1

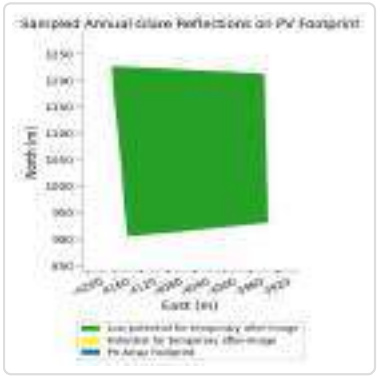
PV array is expected to produce the following glare for this receptor:

- 1,145 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





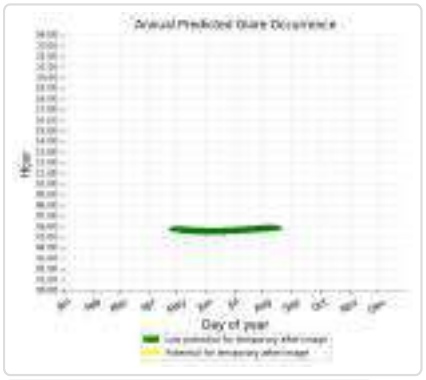


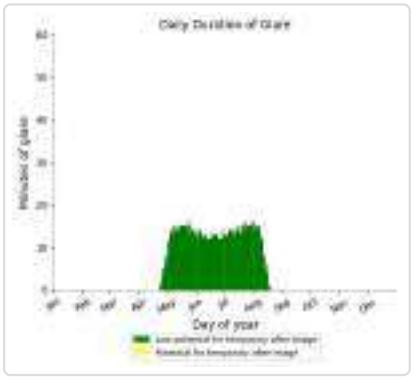


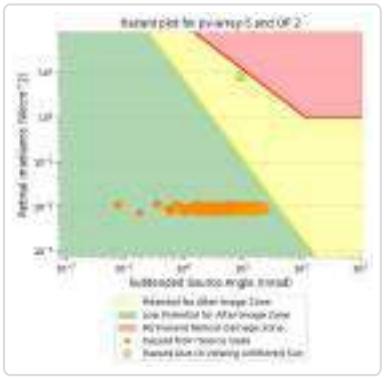
PV array 5: OP 2

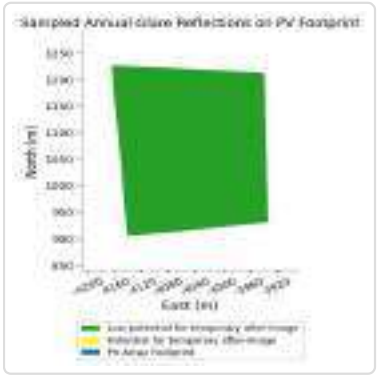
PV array is expected to produce the following glare for this receptor:

- 1,482 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





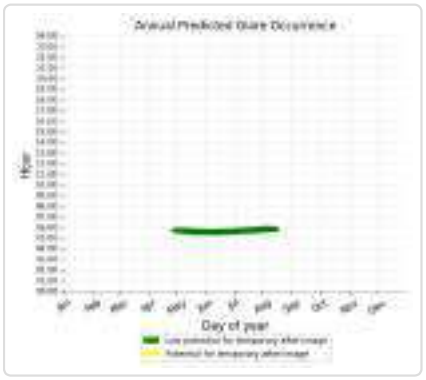


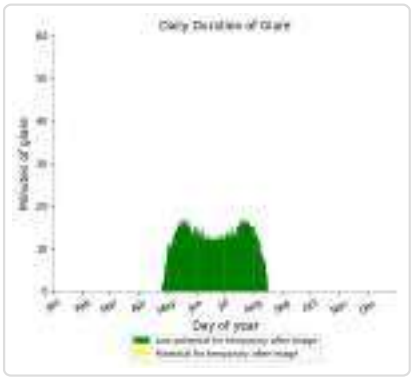


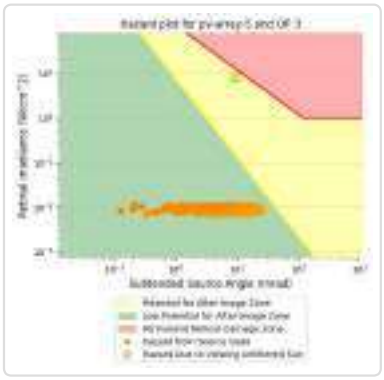
PV array 5: OP 3

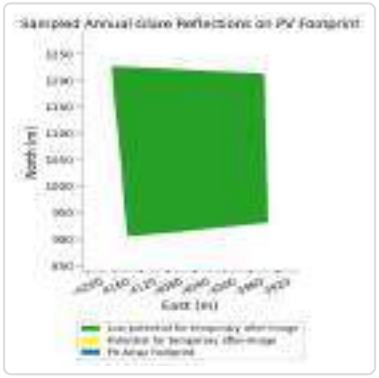
PV array is expected to produce the following glare for this receptor:

- 1,448 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





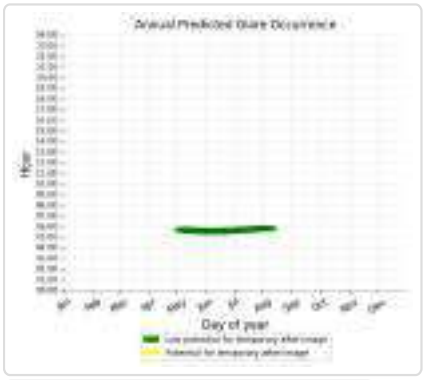


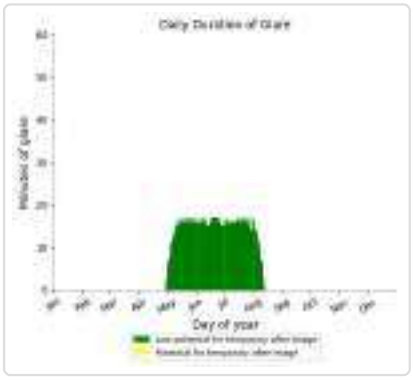


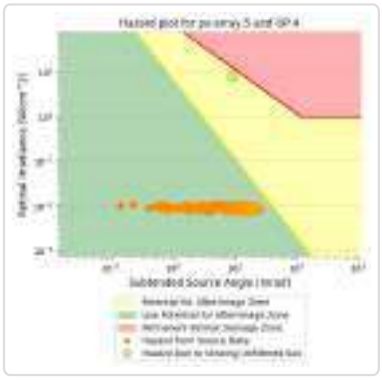
PV array 5: OP 4

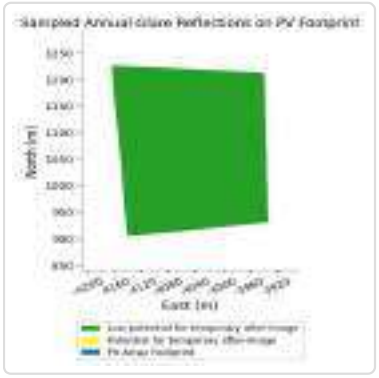
PV array is expected to produce the following glare for this receptor:

- 1,558 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





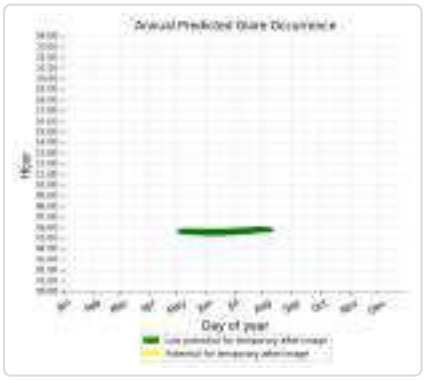


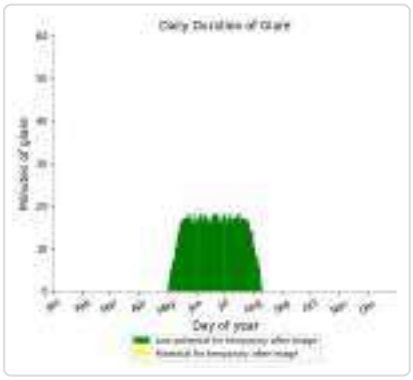


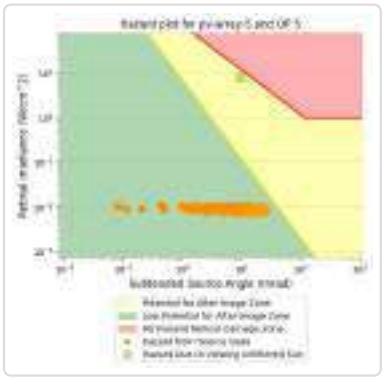
PV array 5: OP 5

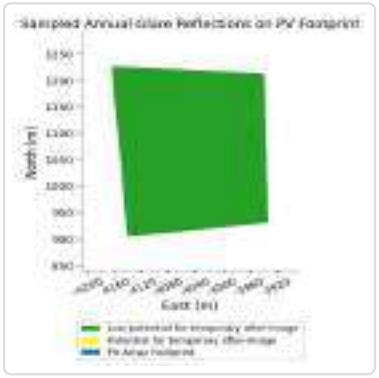
PV array is expected to produce the following glare for this receptor:

- 1,498 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





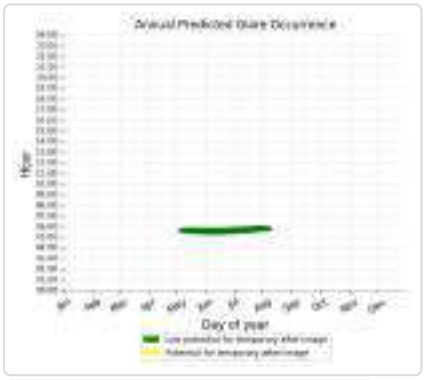


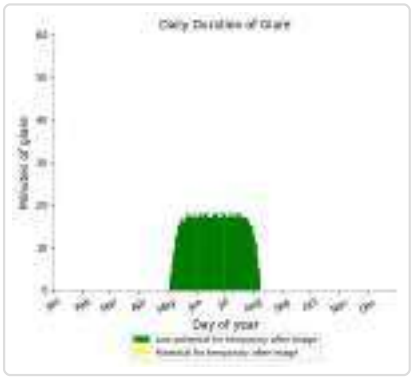


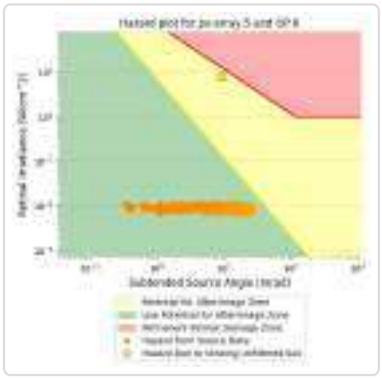
PV array 5: OP 6

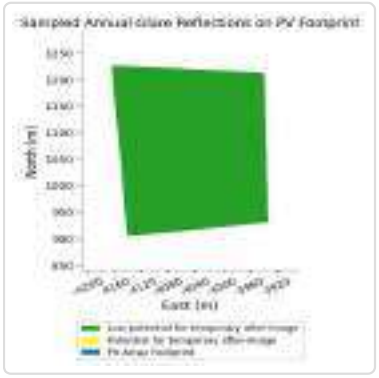
PV array is expected to produce the following glare for this receptor:

- 1,524 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





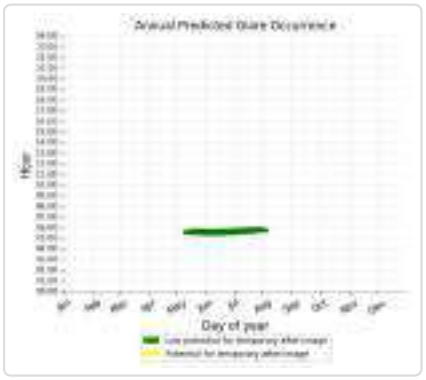


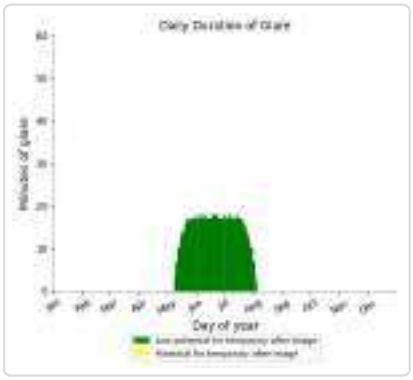


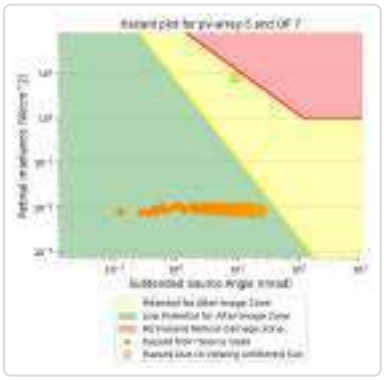
PV array 5: OP 7

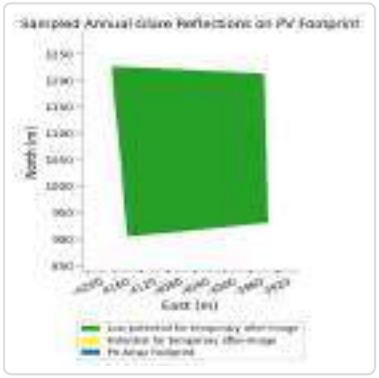
PV array is expected to produce the following glare for this receptor:

- 1,344 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





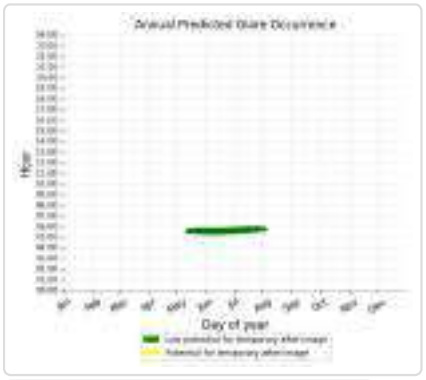


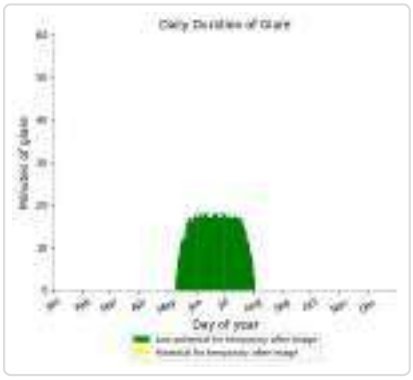


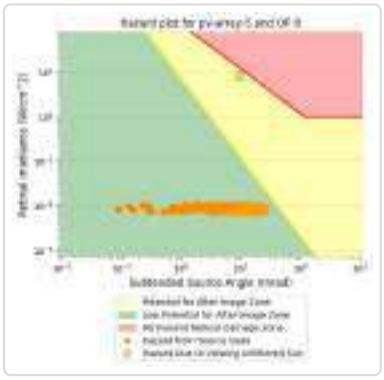
PV array 5: OP 8

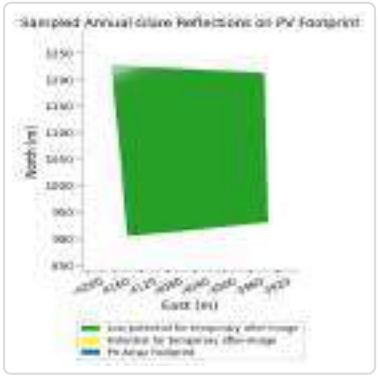
PV array is expected to produce the following glare for this receptor:

- 1,282 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





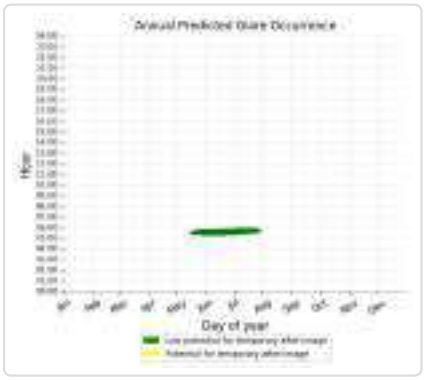


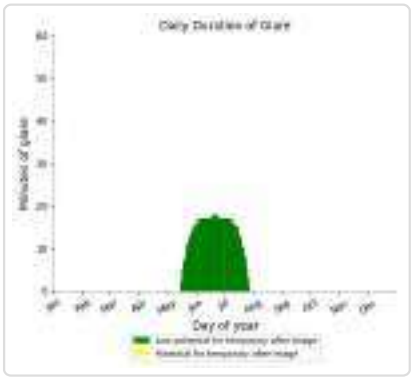


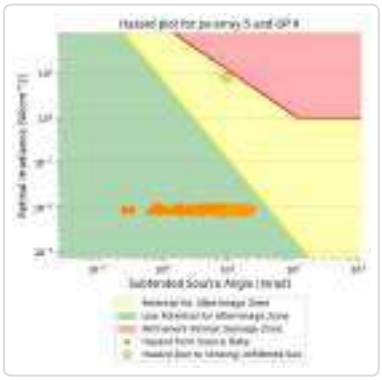
PV array 5: OP 9

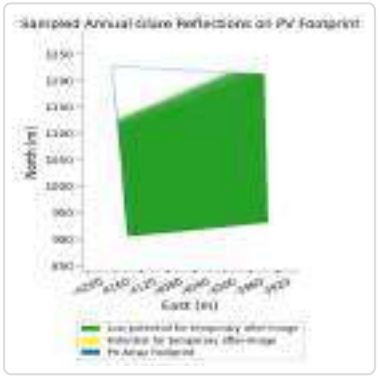
PV array is expected to produce the following glare for this receptor:

- 1,043 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





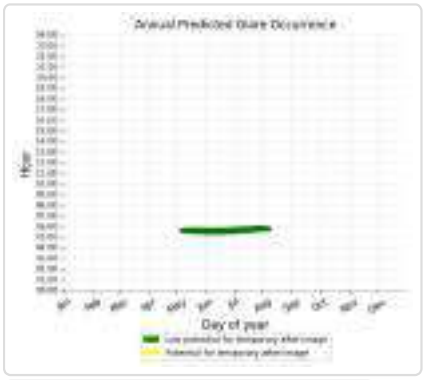


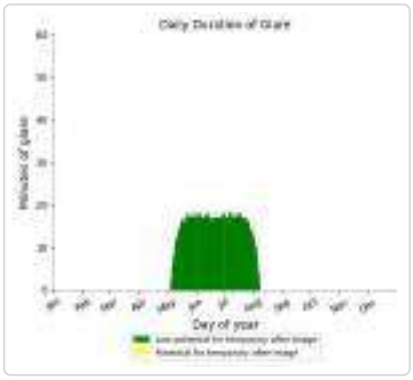


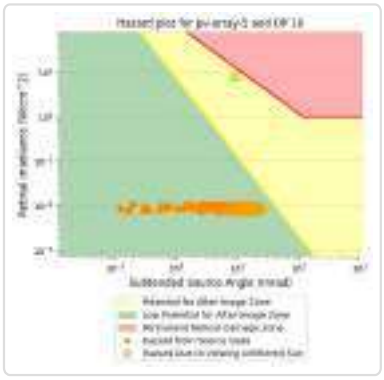
PV array 5: OP 10

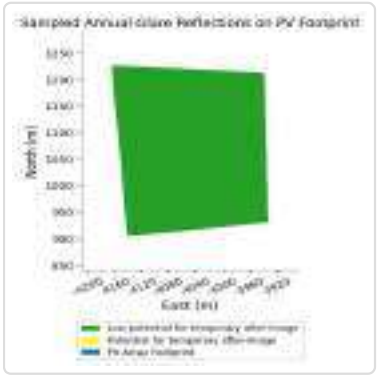
PV array is expected to produce the following glare for this receptor:

- 1,494 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





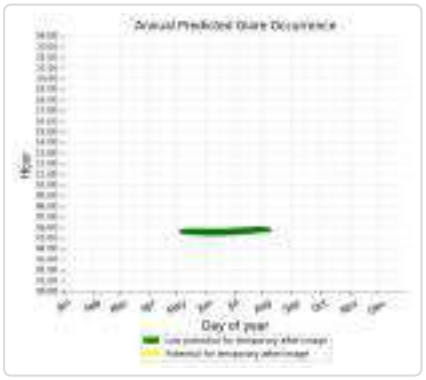


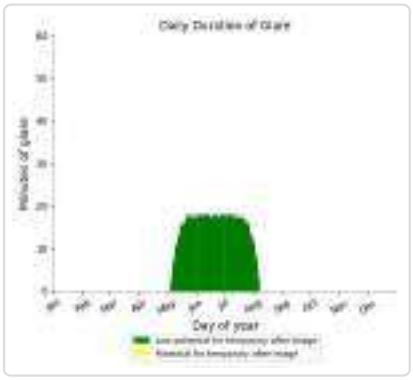


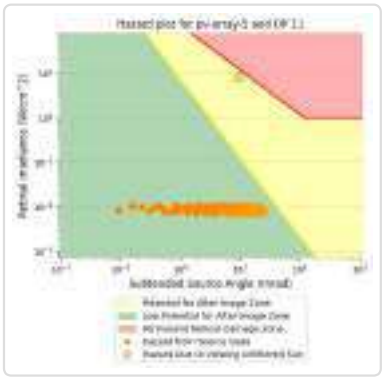
PV array 5: OP 11

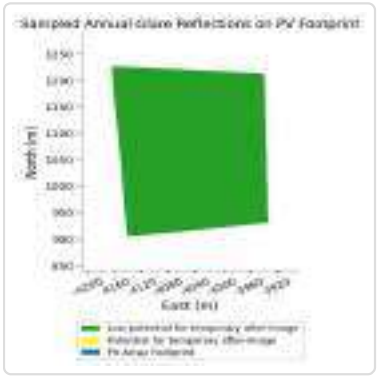
PV array is expected to produce the following glare for this receptor:

- 1,486 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





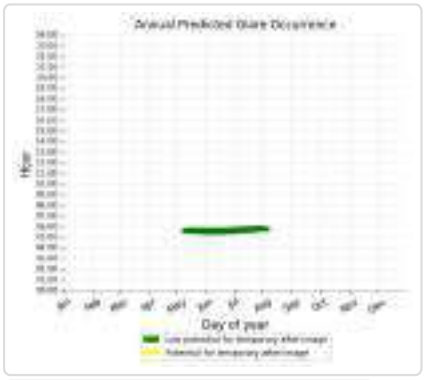


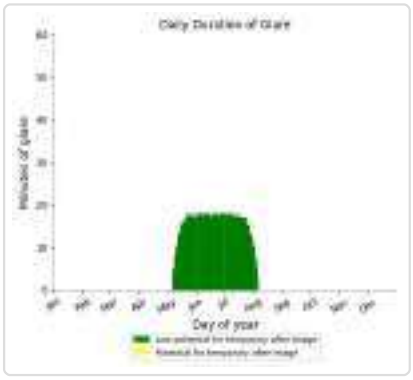


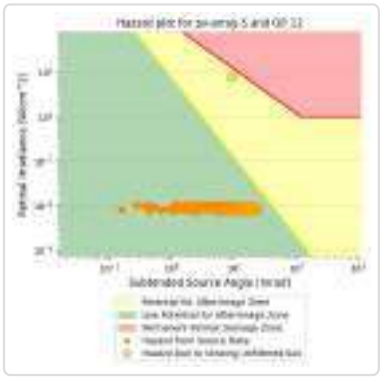
PV array 5: OP 12

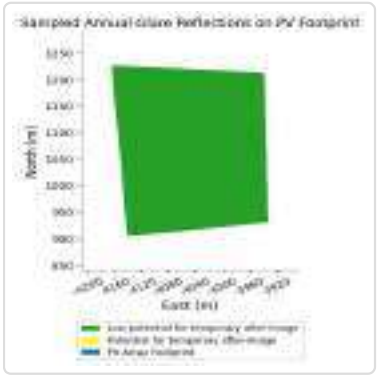
PV array is expected to produce the following glare for this receptor:

- 1,459 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





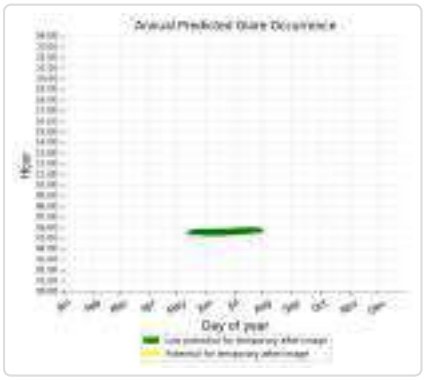


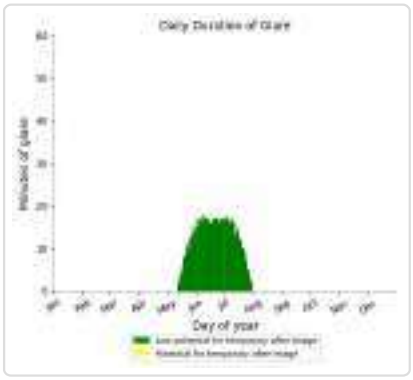


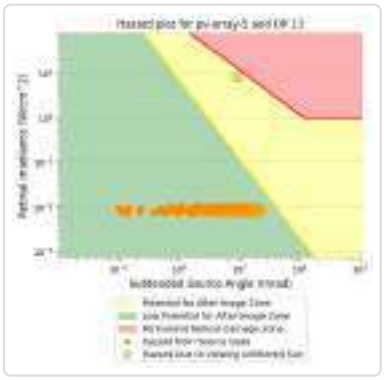
PV array 5: OP 13

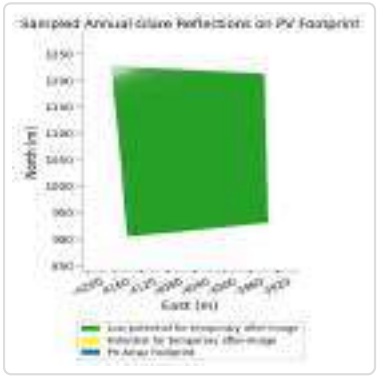
PV array is expected to produce the following glare for this receptor:

- 1,040 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





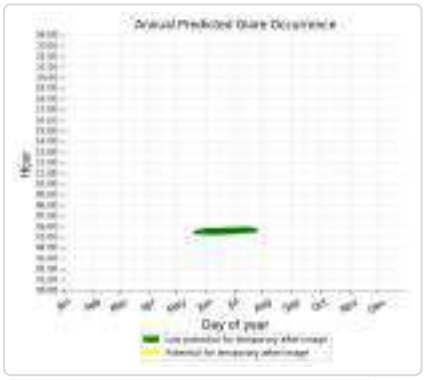


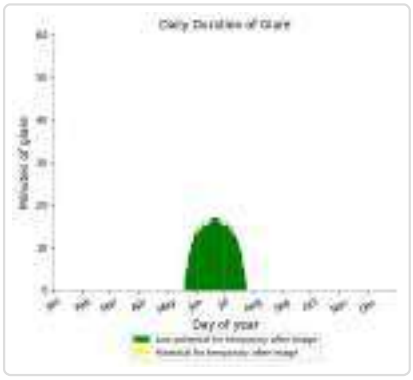


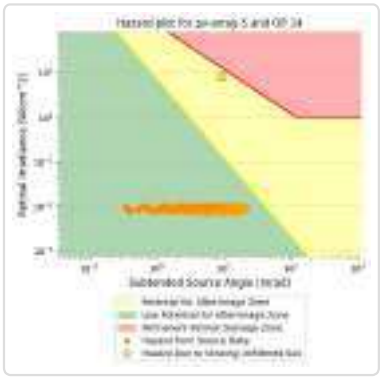
PV array 5: OP 14

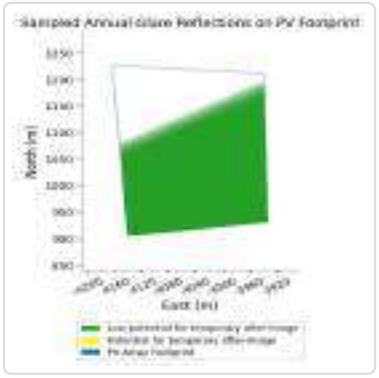
PV array is expected to produce the following glare for this receptor:

- 841 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





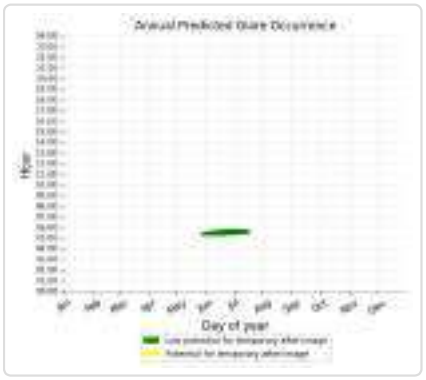


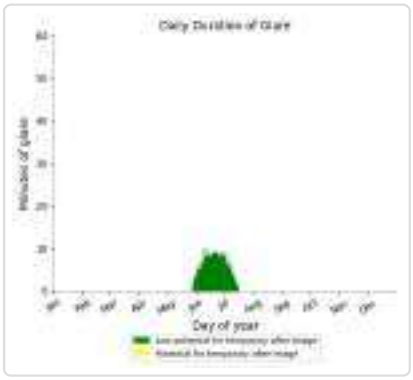


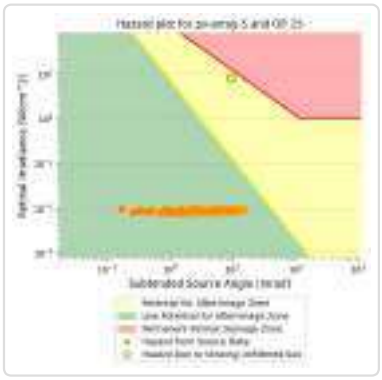
PV array 5: OP 15

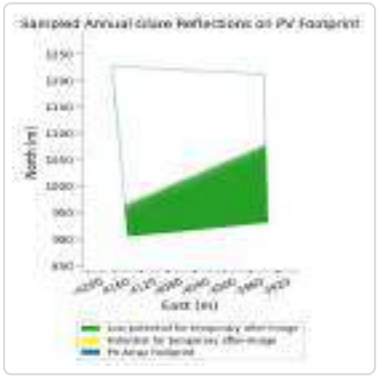
PV array is expected to produce the following glare for this receptor:

- 319 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





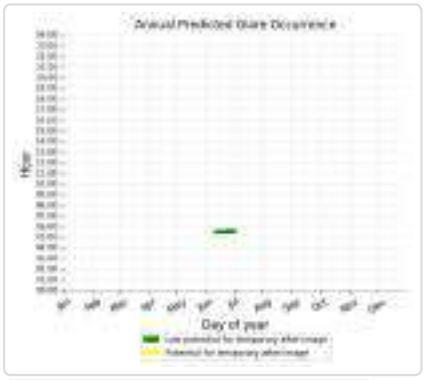


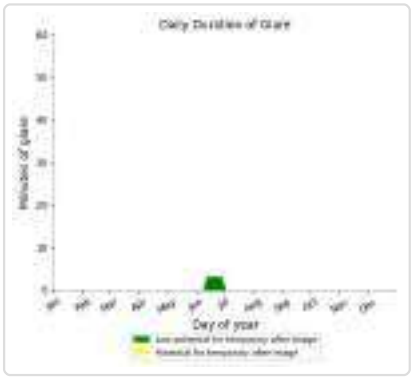


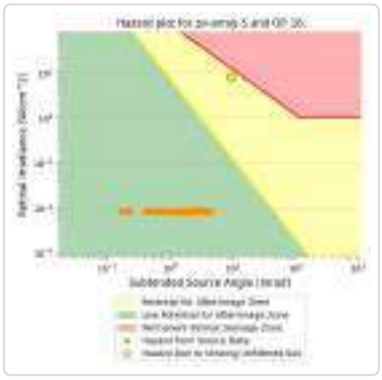
PV array 5: OP 16

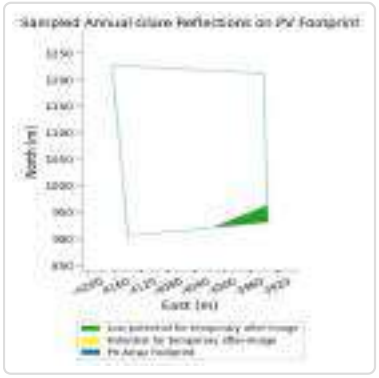
PV array is expected to produce the following glare for this receptor:

- 59 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





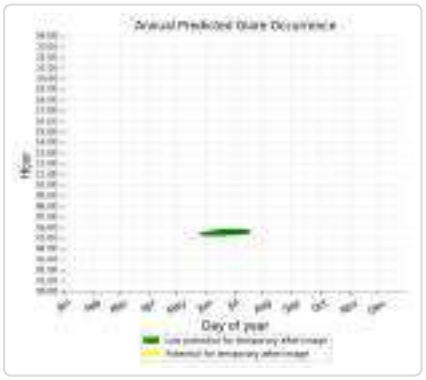


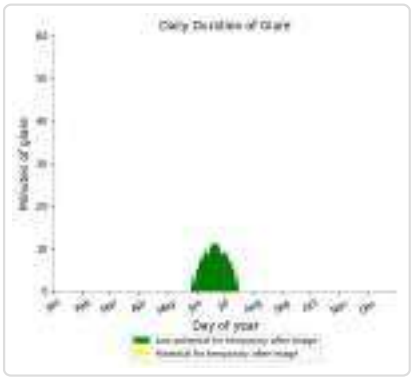


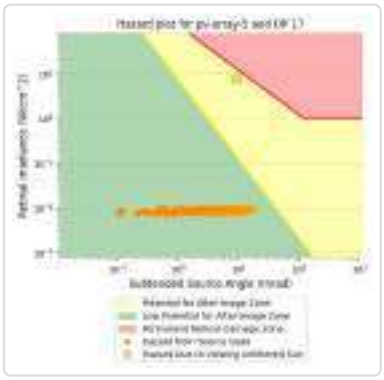
PV array 5: OP 17

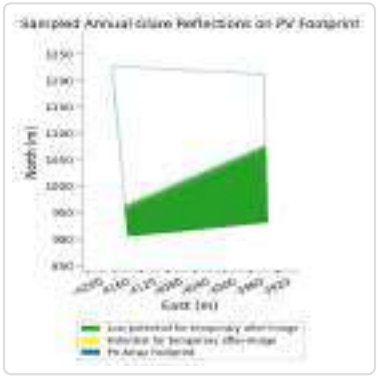
PV array is expected to produce the following glare for this receptor:

- 374 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5: OP 18

No glare found

PV array 5: OP 19

No glare found

PV array 5: OP 20

No glare found

PV array 5: OP 21

No glare found

PV array 5: OP 22

No glare found

PV array 5: OP 23

No glare found

PV array 5: OP 24

No glare found

PV array 5: OP 25

No glare found

PV array 5: OP 26
No glare found

PV array 5: OP 27
No glare found

PV array 5: OP 28
No glare found

PV array 5: OP 29
No glare found

PV array 5: OP 30
No glare found

PV array 5: OP 31
No glare found

PV array 5: OP 32
No glare found

PV array 5: OP 33
No glare found

PV array 5: OP 34
No glare found

PV array 5: OP 35
No glare found

PV array 5: OP 36
No glare found

PV array 5: OP 37
No glare found

PV array 5: OP 38
No glare found

PV array 5: OP 39
No glare found

PV array 5: OP 40
No glare found

PV array 5: OP 41

No glare found

PV array 5: OP 42

No glare found

PV array 5: OP 43

No glare found

PV array 5: OP 44

No glare found

PV array 5: OP 45

No glare found

PV array 5: OP 46

No glare found

PV array 5: OP 47

No glare found

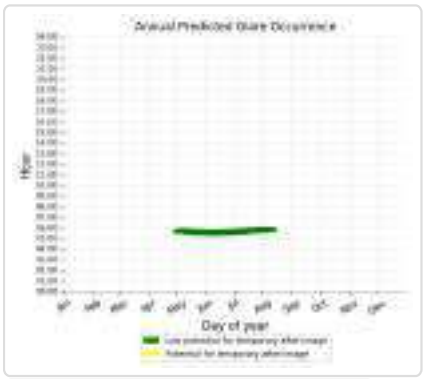
PV array 5: OP 48

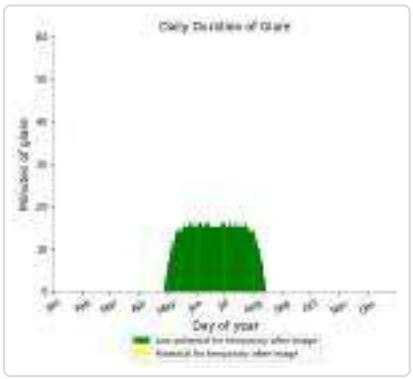
No glare found

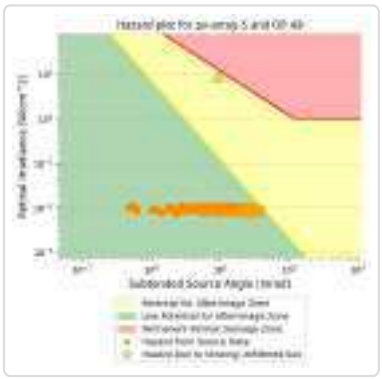
PV array 5: OP 49

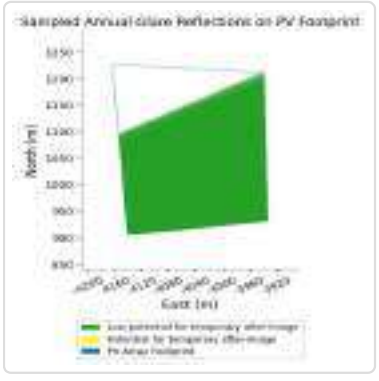
PV array is expected to produce the following glare for this receptor:

- 1,473 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





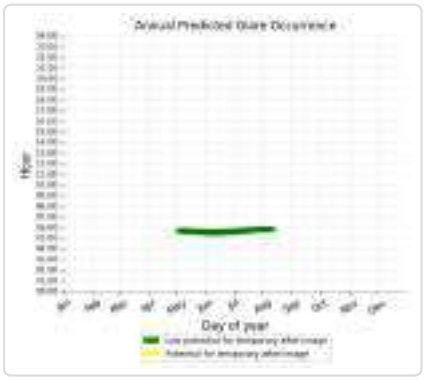


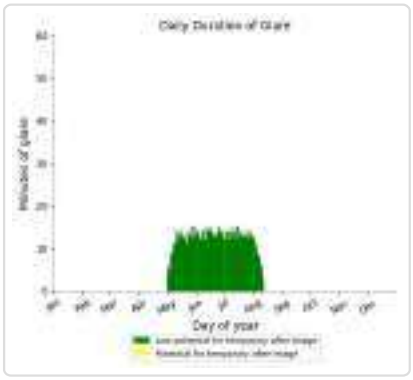


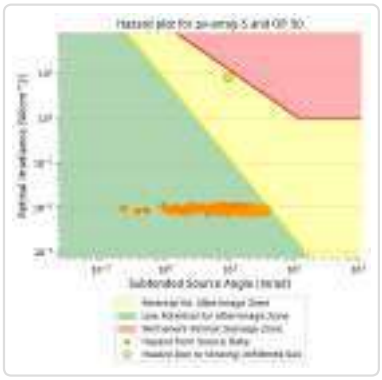
PV array 5: OP 50

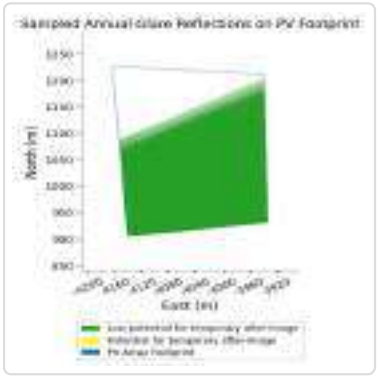
PV array is expected to produce the following glare for this receptor:

- 1,278 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





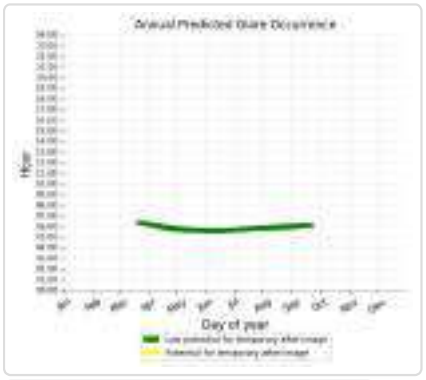


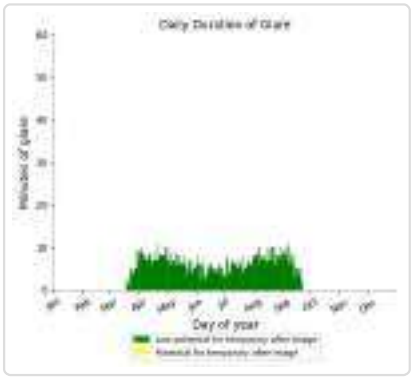


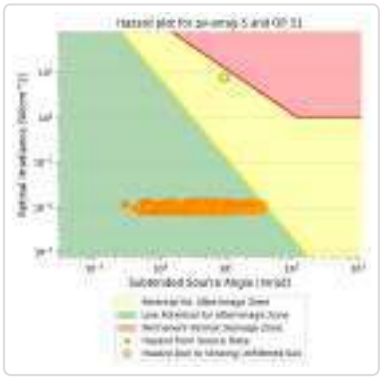
PV array 5: OP 51

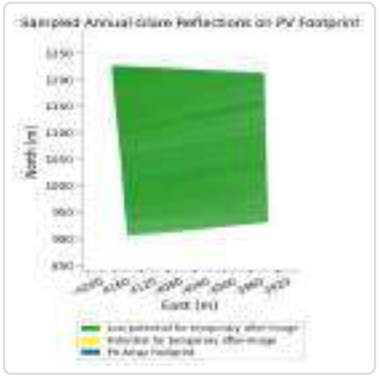
PV array is expected to produce the following glare for this receptor:

- 1,210 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





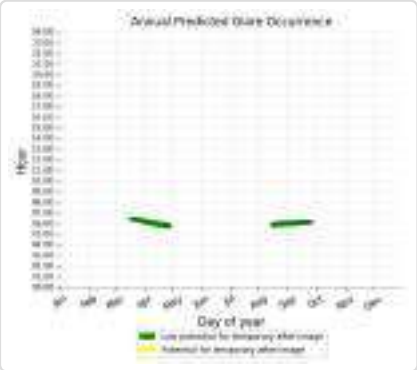


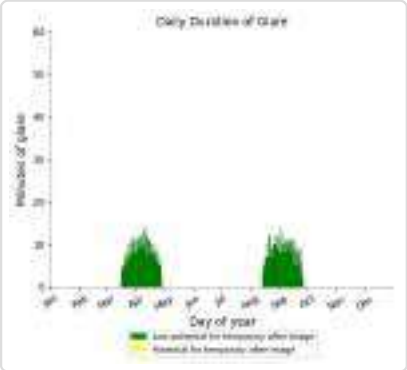


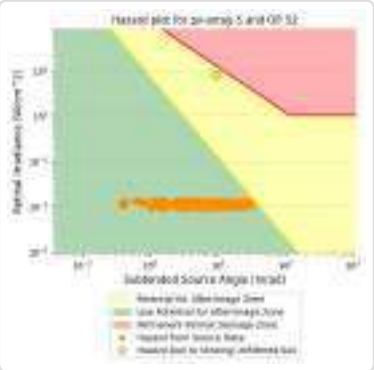
PV array 5: OP 52

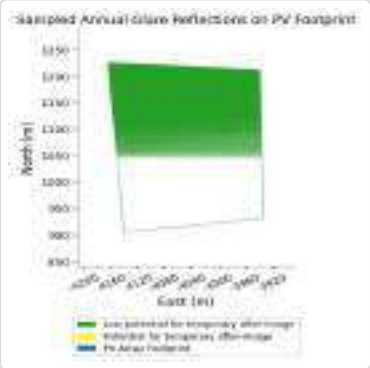
PV array is expected to produce the following glare for this receptor:

- 761 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 5: OP 53

No glare found

PV array 5: OP 54

No glare found

PV array 5: OP 55

No glare found

PV array 5: OP 56

No glare found

PV array 5: OP 57

No glare found

PV array 5: OP 58

No glare found

PV array 6 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	1666	25

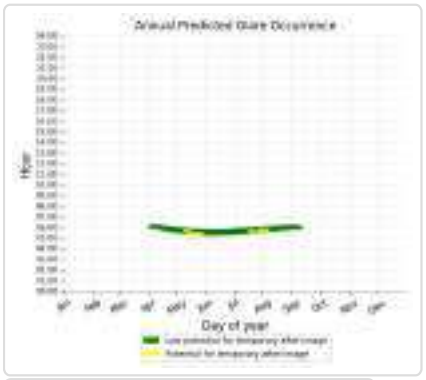
OP: OP 2	1673	83
OP: OP 3	1742	262
OP: OP 4	1653	255
OP: OP 5	1779	152
OP: OP 6	1676	177
OP: OP 7	1639	170
OP: OP 8	1641	131
OP: OP 9	1461	0
OP: OP 10	1822	186
OP: OP 11	1750	213
OP: OP 12	1806	180
OP: OP 13	1739	0
OP: OP 14	1472	0
OP: OP 15	1058	0
OP: OP 16	711	0
OP: OP 17	617	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	1236	0
OP: OP 44	0	0
OP: OP 45	475	0
OP: OP 46	799	56
OP: OP 47	548	12
OP: OP 48	0	0
OP: OP 49	1558	504
OP: OP 50	1119	79
OP: OP 51	1157	2339

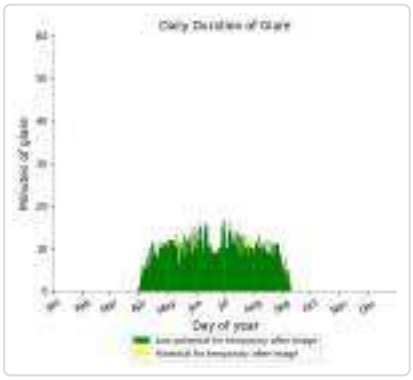
OP: OP 52	1740	1065
OP: OP 53	1684	4519
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

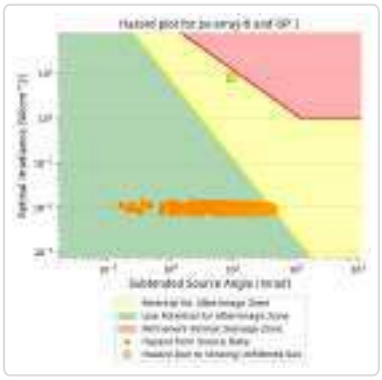
PV array 6: OP 1

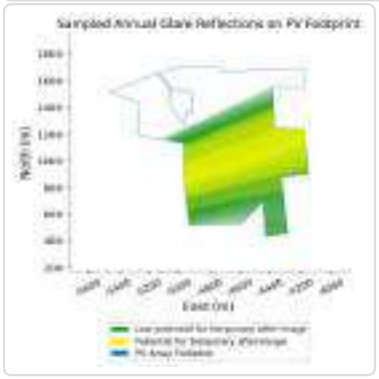
PV array is expected to produce the following glare for this receptor:

- 1,666 minutes of "green" glare with low potential to cause temporary after-image.
- 25 minutes of "yellow" glare with potential to cause temporary after-image.





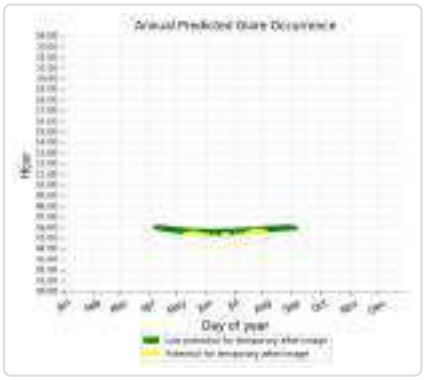


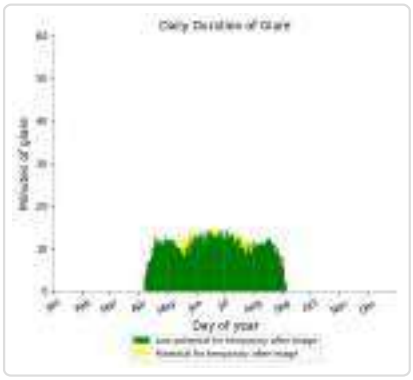


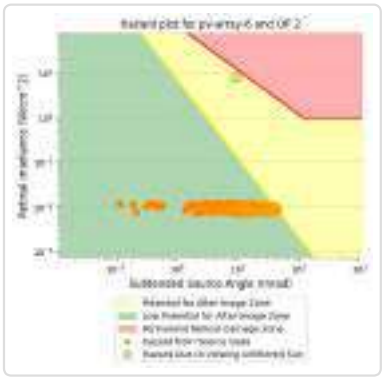
PV array 6: OP 2

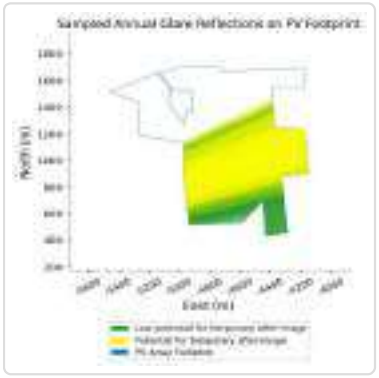
PV array is expected to produce the following glare for this receptor:

- 1,673 minutes of "green" glare with low potential to cause temporary after-image.
- 83 minutes of "yellow" glare with potential to cause temporary after-image.





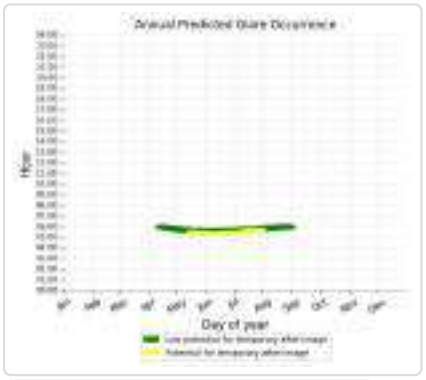


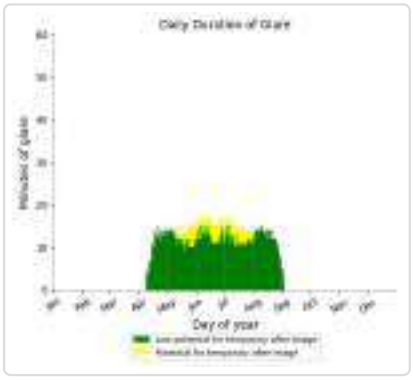


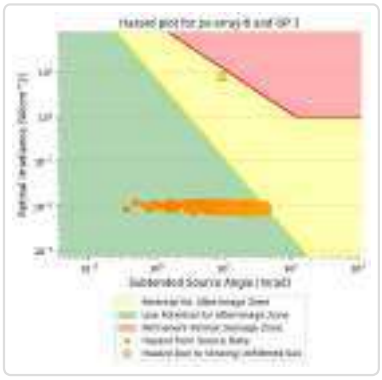
PV array 6: OP 3

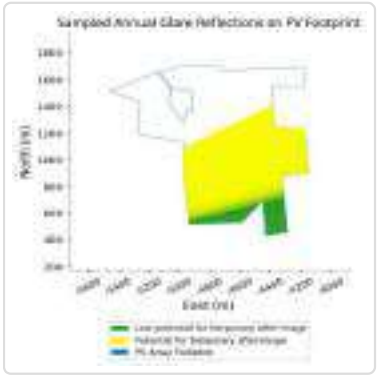
PV array is expected to produce the following glare for this receptor:

- 1,742 minutes of "green" glare with low potential to cause temporary after-image.
- 262 minutes of "yellow" glare with potential to cause temporary after-image.





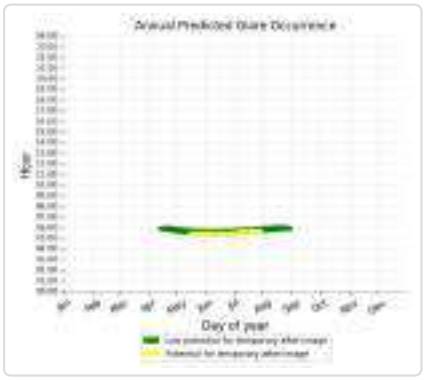


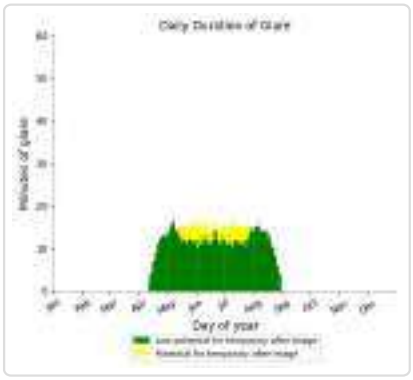


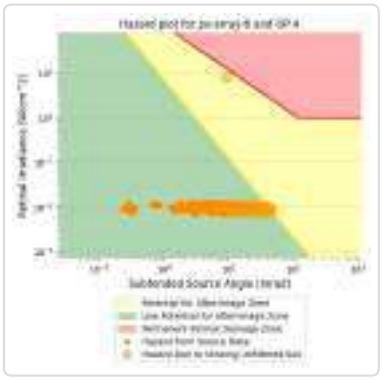
PV array 6: OP 4

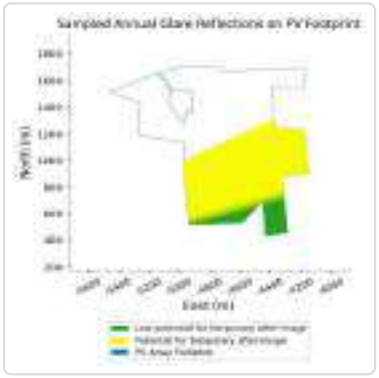
PV array is expected to produce the following glare for this receptor:

- 1,653 minutes of "green" glare with low potential to cause temporary after-image.
- 255 minutes of "yellow" glare with potential to cause temporary after-image.





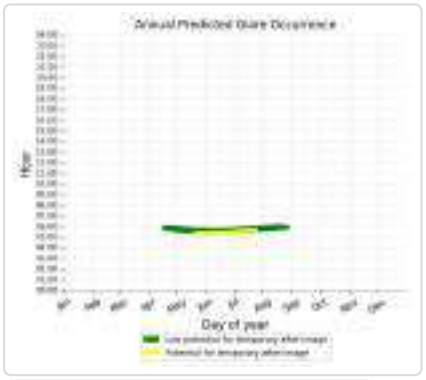


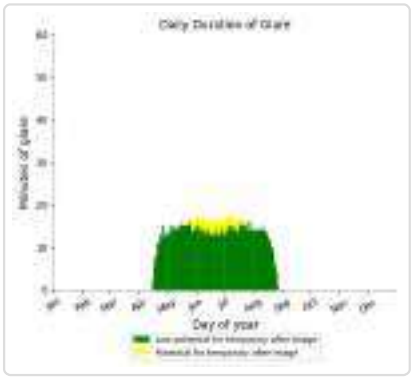


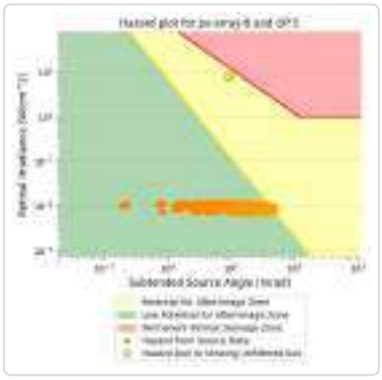
PV array 6: OP 5

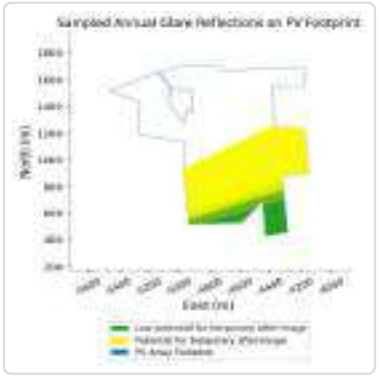
PV array is expected to produce the following glare for this receptor:

- 1,779 minutes of "green" glare with low potential to cause temporary after-image.
- 152 minutes of "yellow" glare with potential to cause temporary after-image.





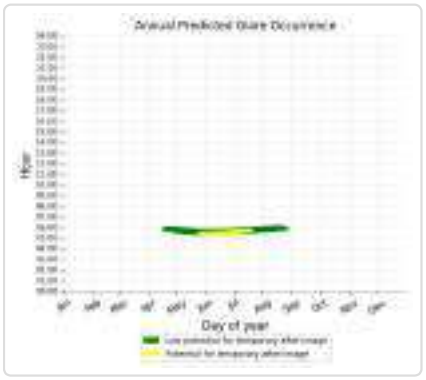


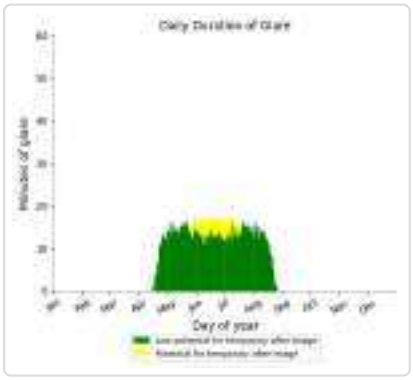


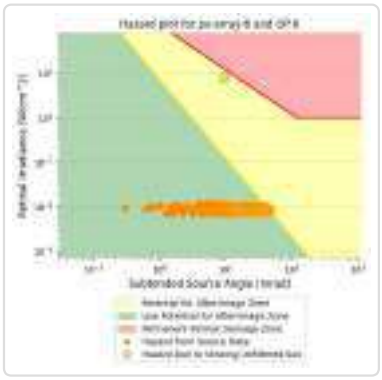
PV array 6: OP 6

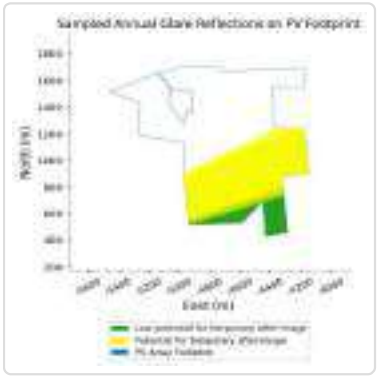
PV array is expected to produce the following glare for this receptor:

- 1,676 minutes of "green" glare with low potential to cause temporary after-image.
- 177 minutes of "yellow" glare with potential to cause temporary after-image.





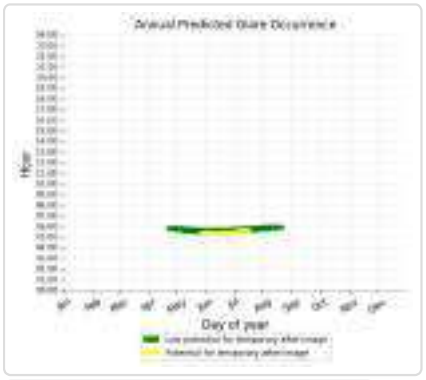


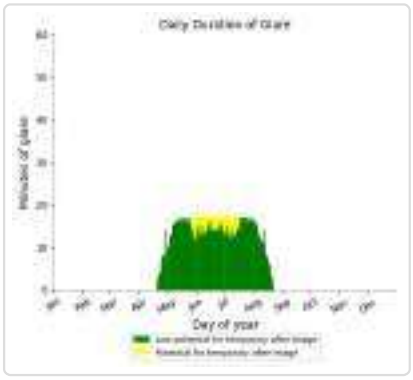


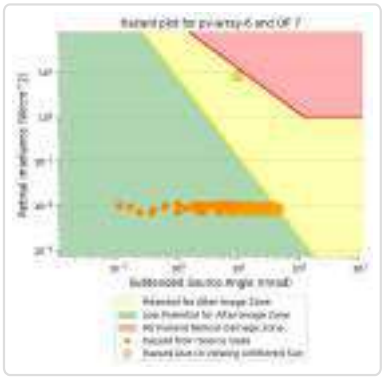
PV array 6: OP 7

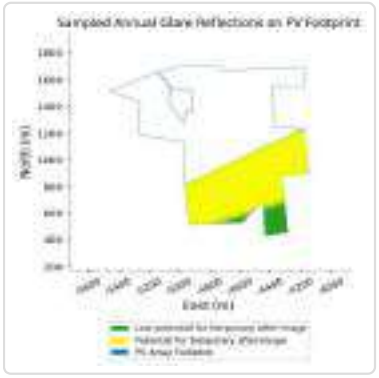
PV array is expected to produce the following glare for this receptor:

- 1,639 minutes of "green" glare with low potential to cause temporary after-image.
- 170 minutes of "yellow" glare with potential to cause temporary after-image.





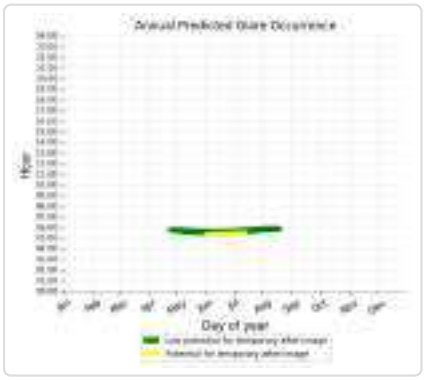


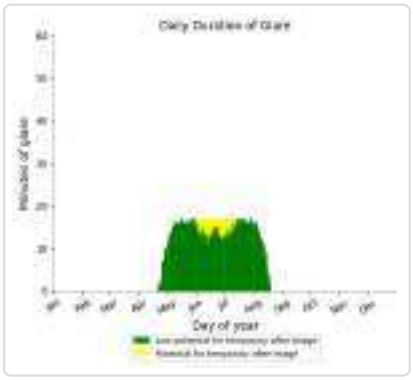


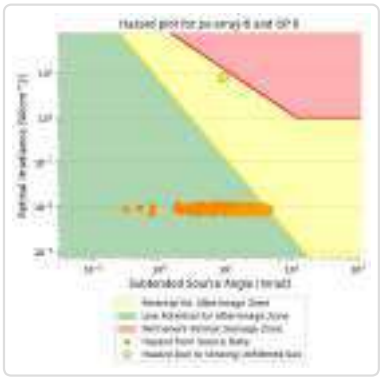
PV array 6: OP 8

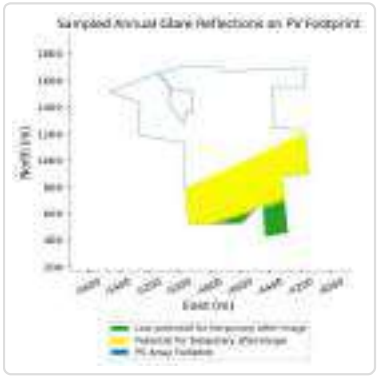
PV array is expected to produce the following glare for this receptor:

- 1,641 minutes of "green" glare with low potential to cause temporary after-image.
- 131 minutes of "yellow" glare with potential to cause temporary after-image.





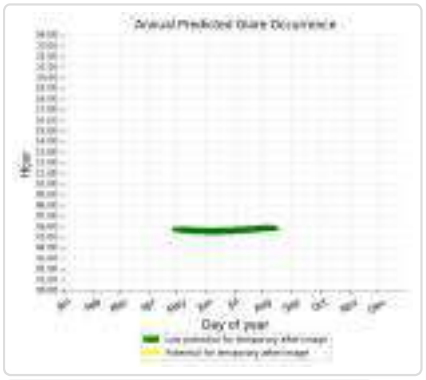


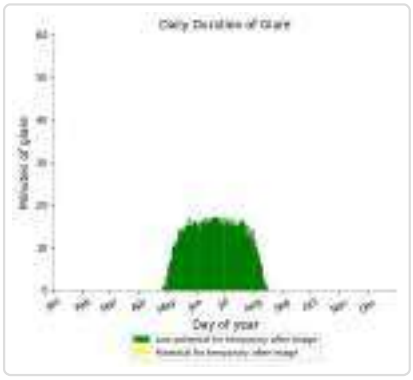


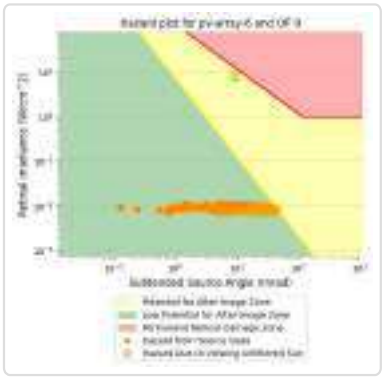
PV array 6: OP 9

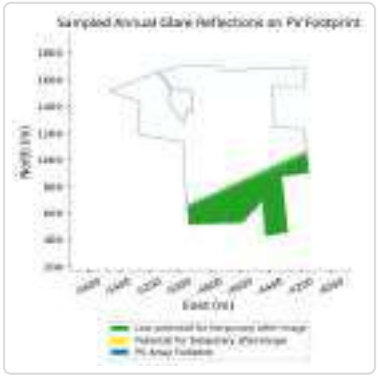
PV array is expected to produce the following glare for this receptor:

- 1,461 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





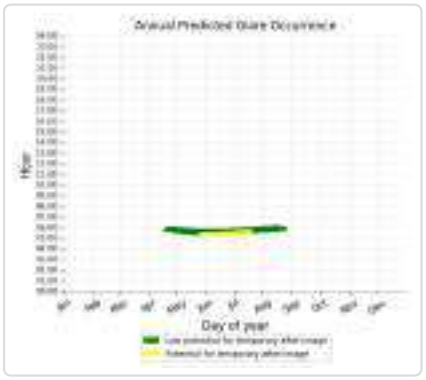


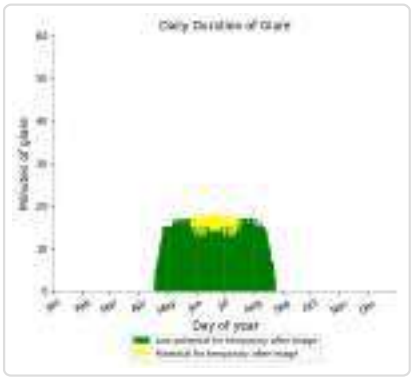


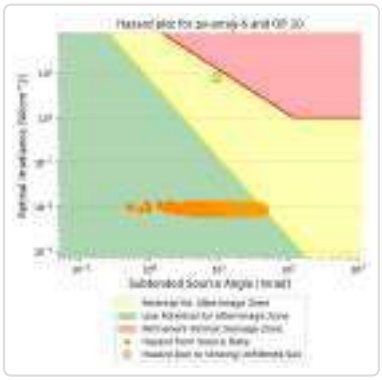
PV array 6: OP 10

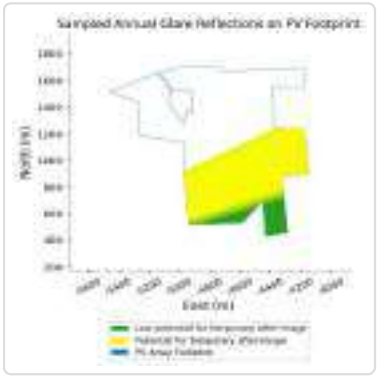
PV array is expected to produce the following glare for this receptor:

- 1,822 minutes of "green" glare with low potential to cause temporary after-image.
- 186 minutes of "yellow" glare with potential to cause temporary after-image.





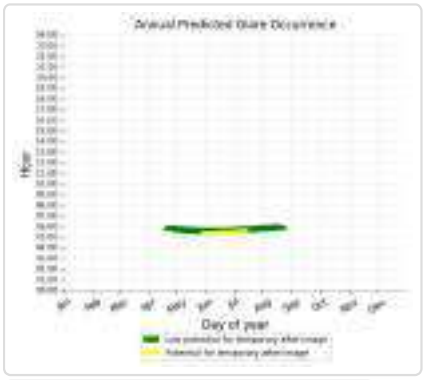


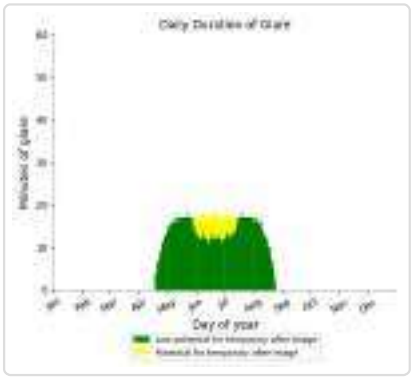


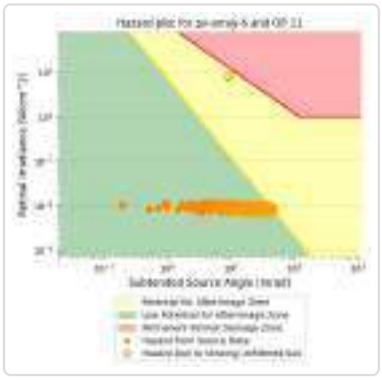
PV array 6: OP 11

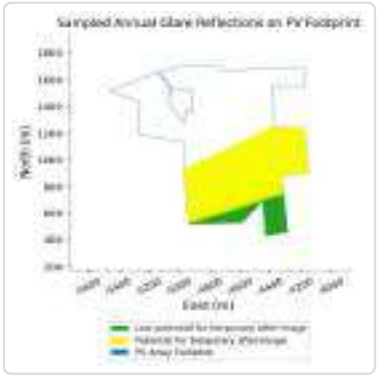
PV array is expected to produce the following glare for this receptor:

- 1,750 minutes of "green" glare with low potential to cause temporary after-image.
- 213 minutes of "yellow" glare with potential to cause temporary after-image.





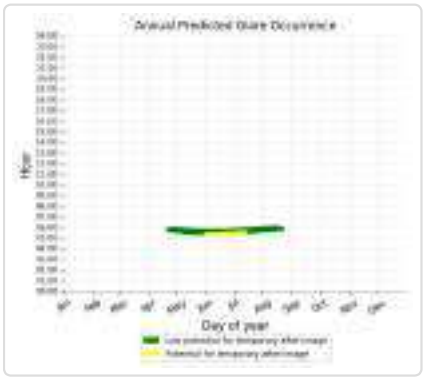


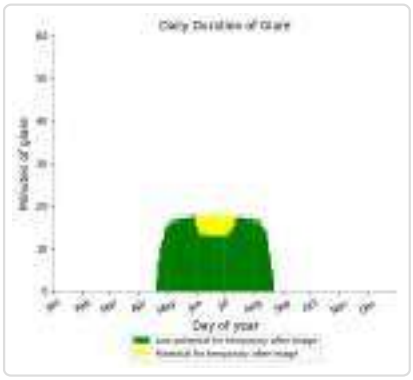


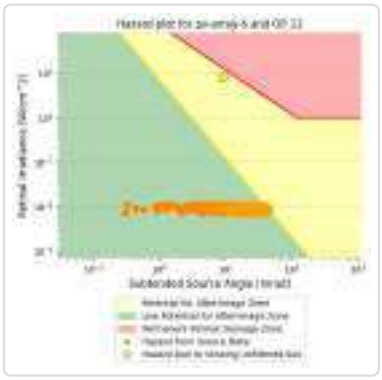
PV array 6: OP 12

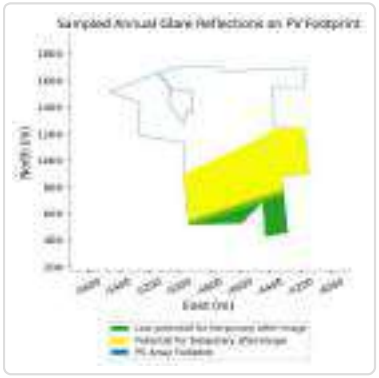
PV array is expected to produce the following glare for this receptor:

- 1,806 minutes of "green" glare with low potential to cause temporary after-image.
- 180 minutes of "yellow" glare with potential to cause temporary after-image.





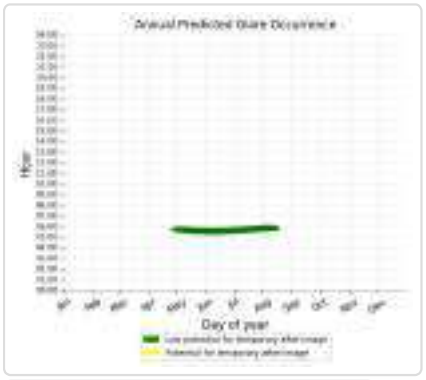


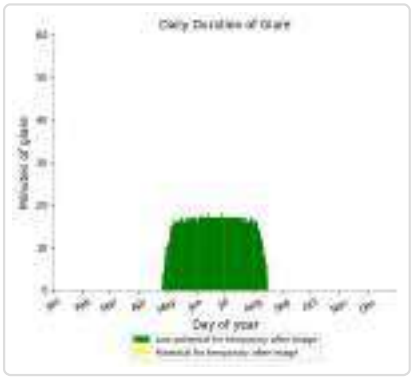


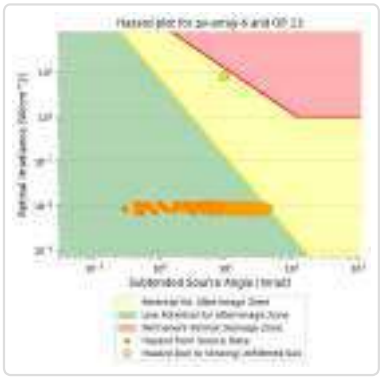
PV array 6: OP 13

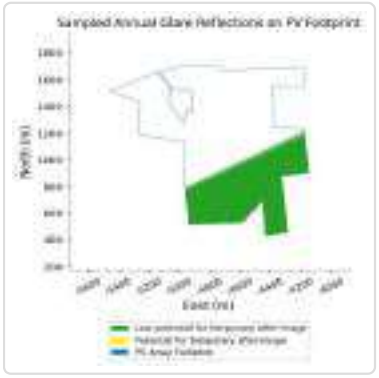
PV array is expected to produce the following glare for this receptor:

- 1,739 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





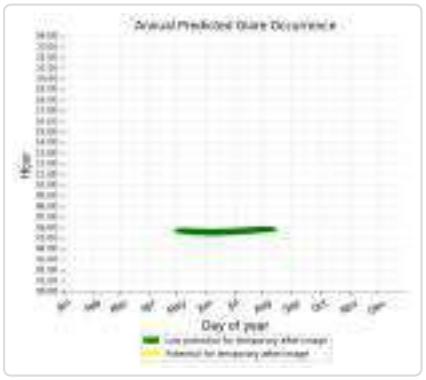


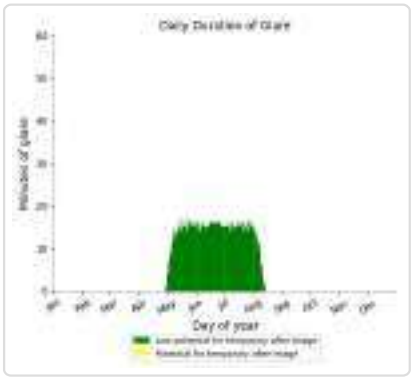


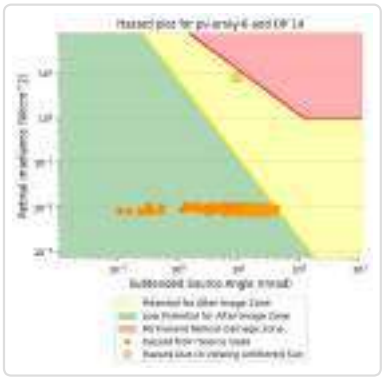
PV array 6: OP 14

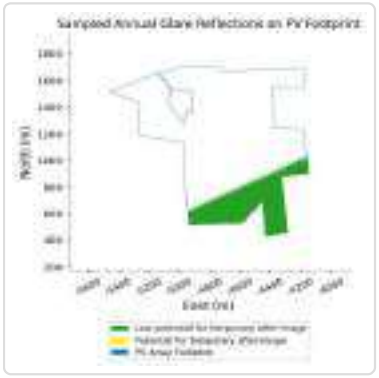
PV array is expected to produce the following glare for this receptor:

- 1,472 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





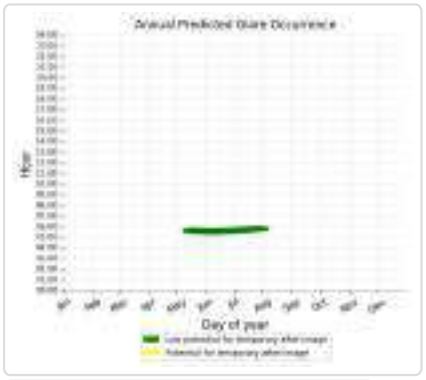


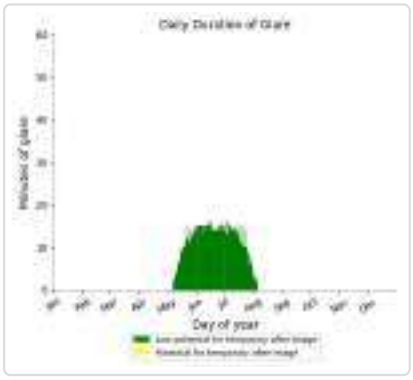


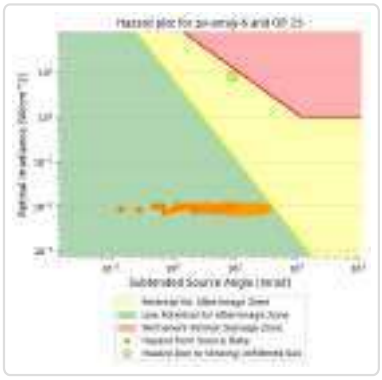
PV array 6: OP 15

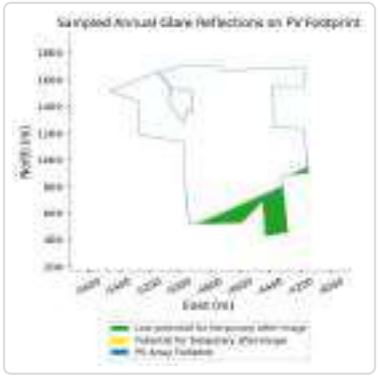
PV array is expected to produce the following glare for this receptor:

- 1,058 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





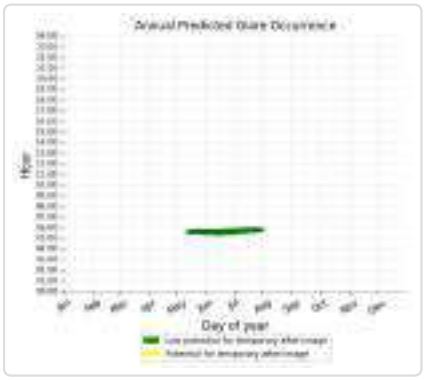


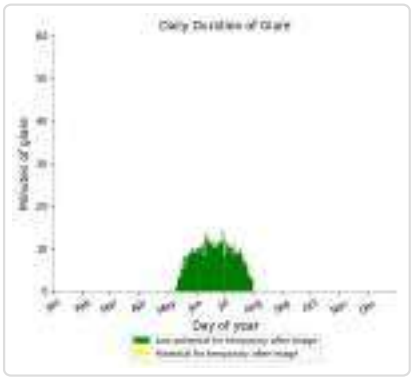


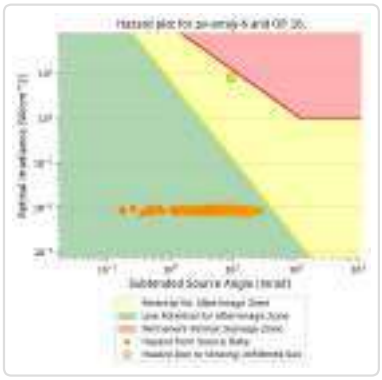
PV array 6: OP 16

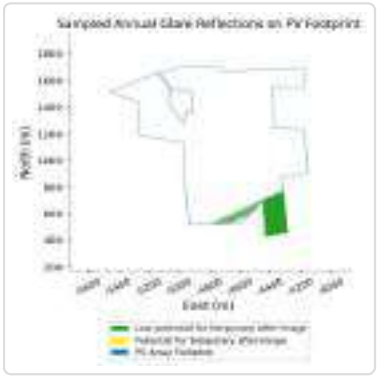
PV array is expected to produce the following glare for this receptor:

- 711 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





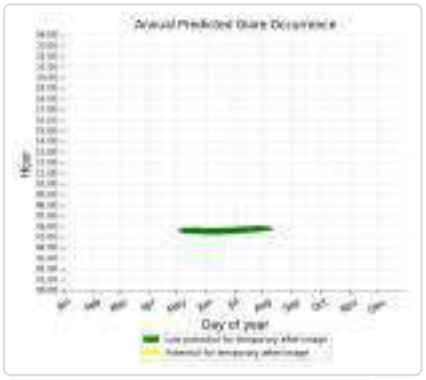


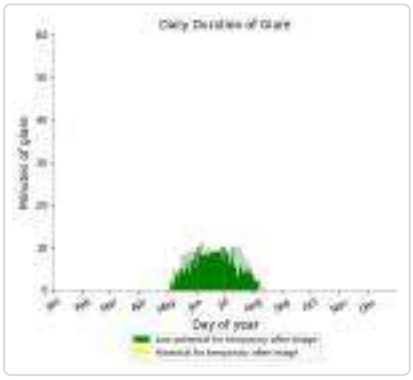


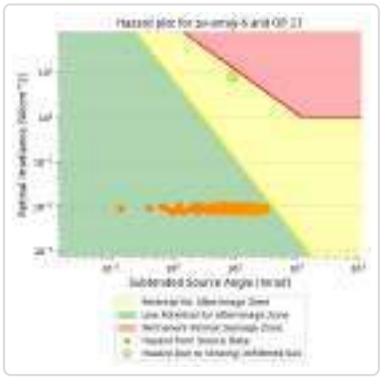
PV array 6: OP 17

PV array is expected to produce the following glare for this receptor:

- 617 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







PV array 6: OP 18
No glare found

PV array 6: OP 19
No glare found

PV array 6: OP 20
No glare found

PV array 6: OP 21
No glare found

PV array 6: OP 22
No glare found

PV array 6: OP 23
No glare found

PV array 6: OP 24
No glare found

PV array 6: OP 25
No glare found

PV array 6: OP 26
No glare found

PV array 6: OP 27
No glare found

PV array 6: OP 28
No glare found

PV array 6: OP 29
No glare found

PV array 6: OP 30
No glare found

PV array 6: OP 31
No glare found

PV array 6: OP 32
No glare found

PV array 6: OP 33
No glare found

PV array 6: OP 34
No glare found

PV array 6: OP 35
No glare found

PV array 6: OP 36
No glare found

PV array 6: OP 37
No glare found

PV array 6: OP 38
No glare found

PV array 6: OP 39
No glare found

PV array 6: OP 40
No glare found

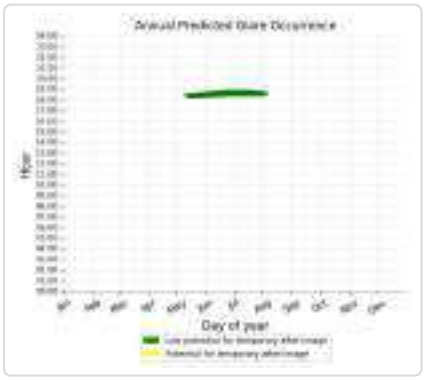
PV array 6: OP 41
No glare found

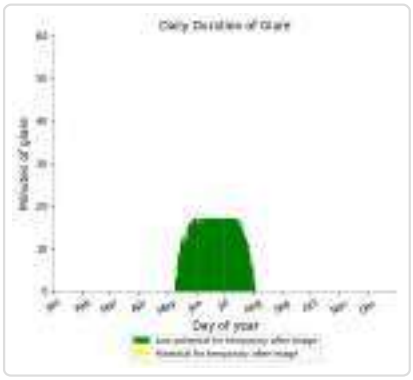
PV array 6: OP 42
No glare found

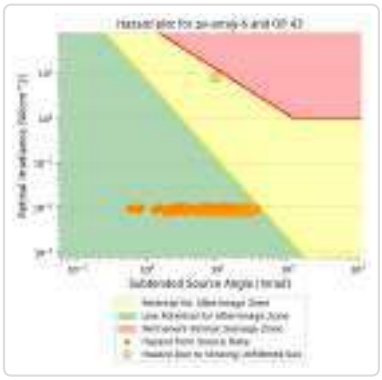
PV array 6: OP 43

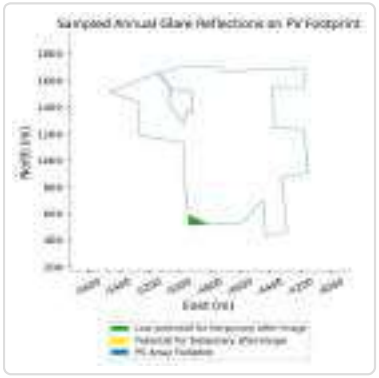
PV array is expected to produce the following glare for this receptor:

- 1,236 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









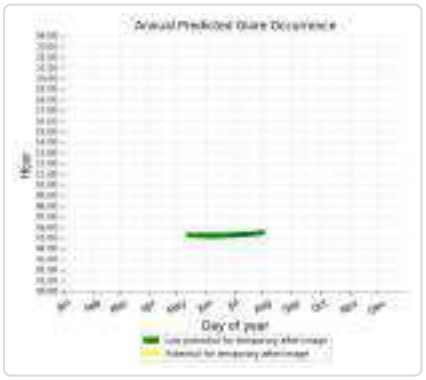
PV array 6: OP 44

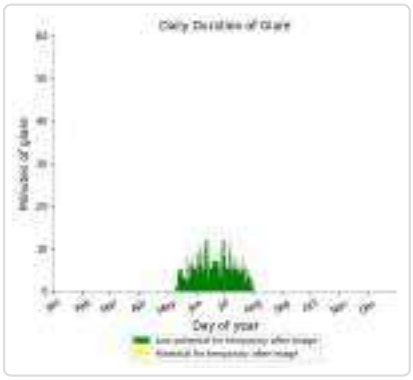
No glare found

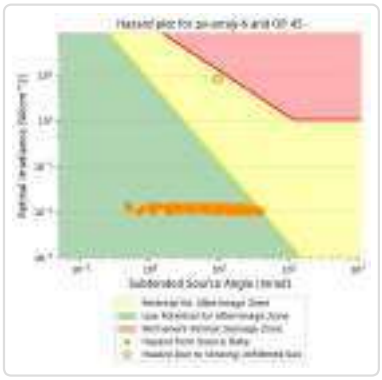
PV array 6: OP 45

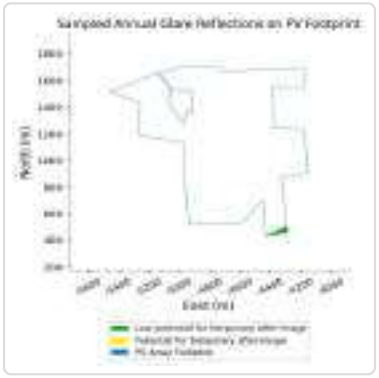
PV array is expected to produce the following glare for this receptor:

- 475 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





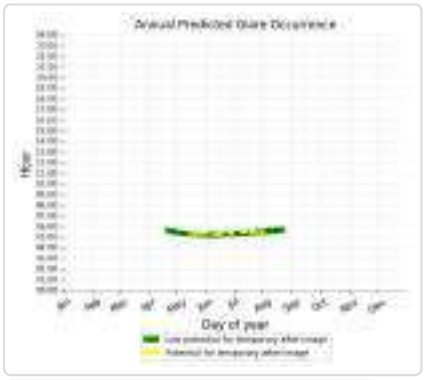


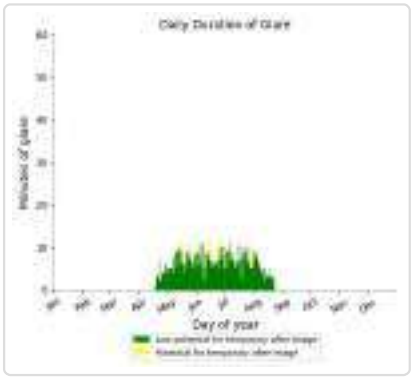


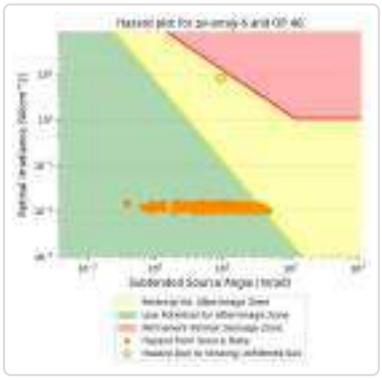
PV array 6: OP 46

PV array is expected to produce the following glare for this receptor:

- 799 minutes of "green" glare with low potential to cause temporary after-image.
- 56 minutes of "yellow" glare with potential to cause temporary after-image.



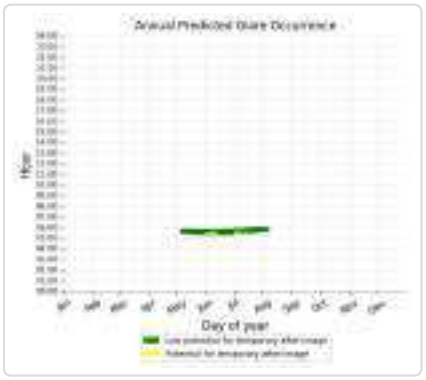


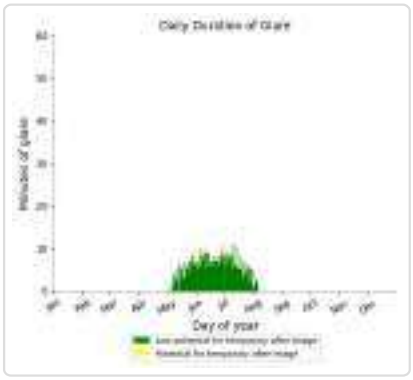


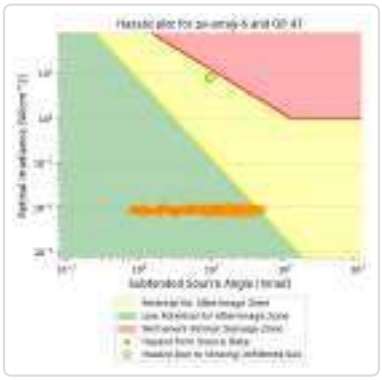
PV array 6: OP 47

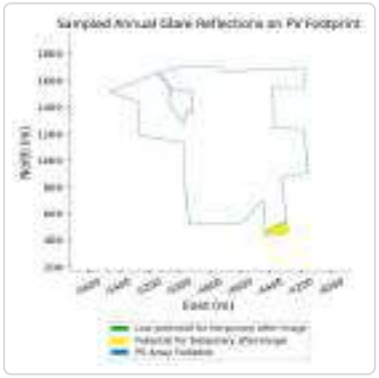
PV array is expected to produce the following glare for this receptor:

- 548 minutes of "green" glare with low potential to cause temporary after-image.
- 12 minutes of "yellow" glare with potential to cause temporary after-image.









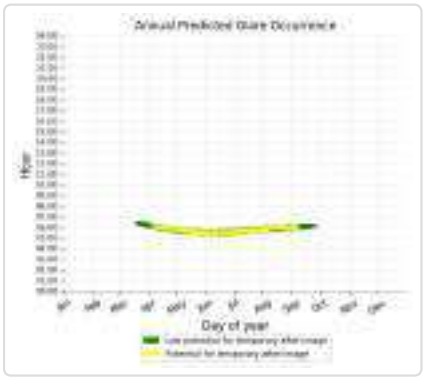
PV array 6: OP 48

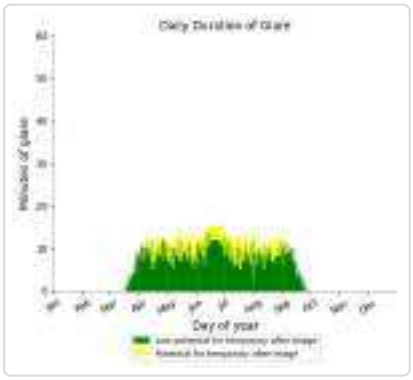
No glare found

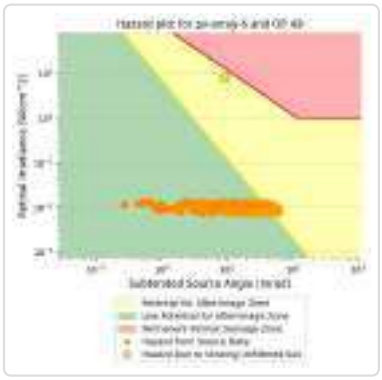
PV array 6: OP 49

PV array is expected to produce the following glare for this receptor:

- 1,558 minutes of "green" glare with low potential to cause temporary after-image.
- 504 minutes of "yellow" glare with potential to cause temporary after-image.



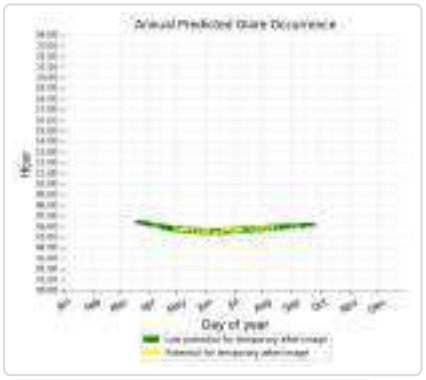


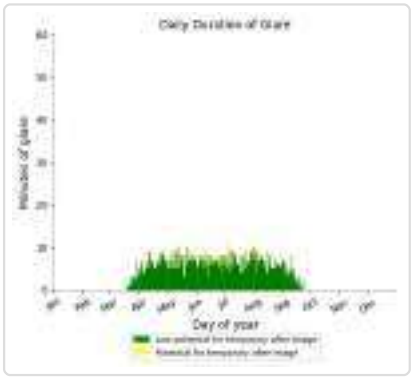


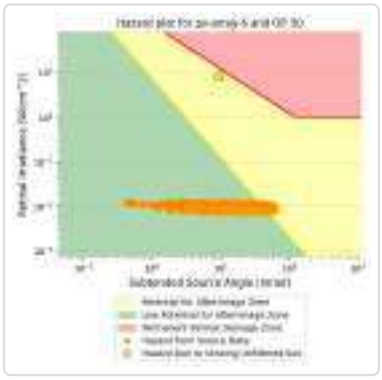
PV array 6: OP 50

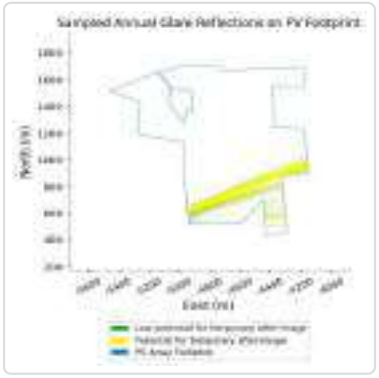
PV array is expected to produce the following glare for this receptor:

- 1,119 minutes of "green" glare with low potential to cause temporary after-image.
- 79 minutes of "yellow" glare with potential to cause temporary after-image.





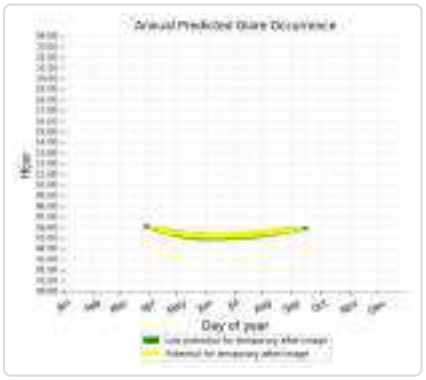


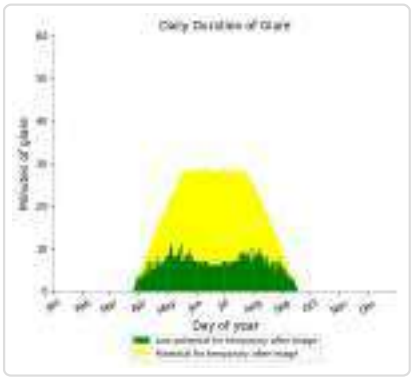


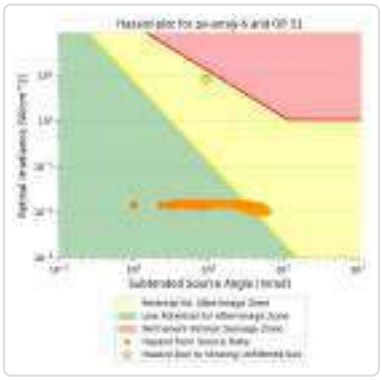
PV array 6: OP 51

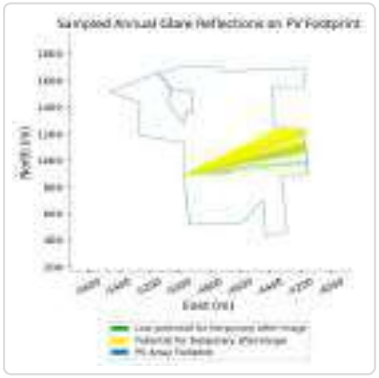
PV array is expected to produce the following glare for this receptor:

- 1,157 minutes of "green" glare with low potential to cause temporary after-image.
- 2,339 minutes of "yellow" glare with potential to cause temporary after-image.





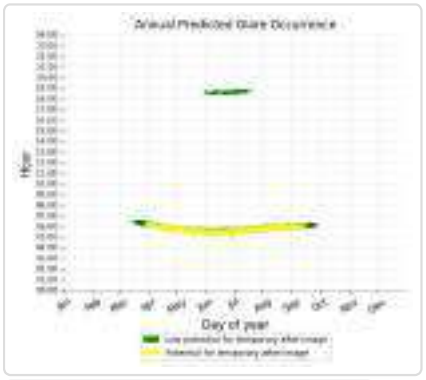


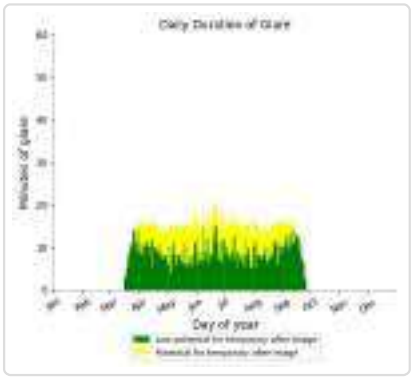


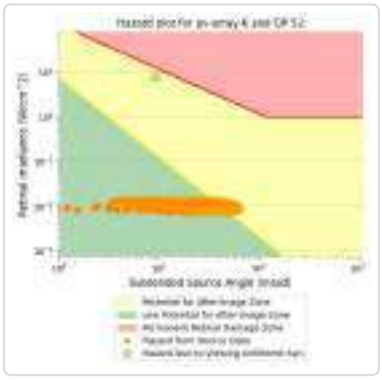
PV array 6: OP 52

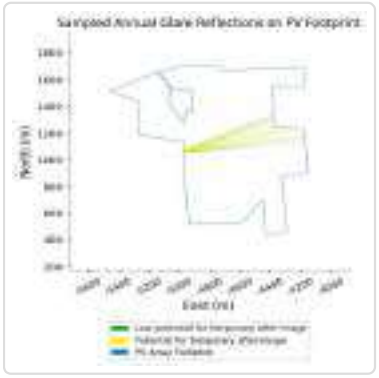
PV array is expected to produce the following glare for this receptor:

- 1,740 minutes of "green" glare with low potential to cause temporary after-image.
- 1,065 minutes of "yellow" glare with potential to cause temporary after-image.





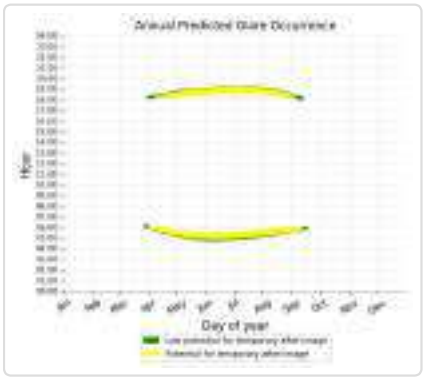


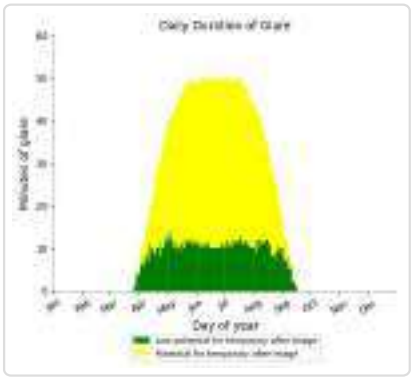


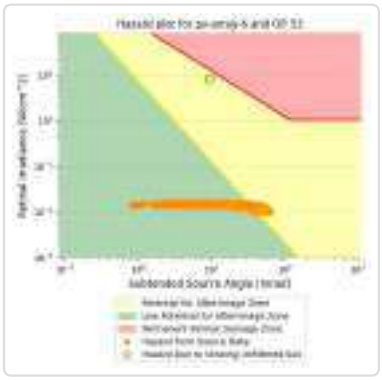
PV array 6: OP 53

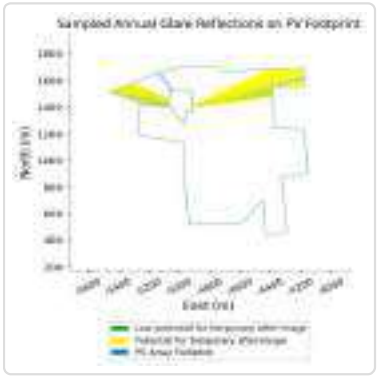
PV array is expected to produce the following glare for this receptor:

- 1,684 minutes of "green" glare with low potential to cause temporary after-image.
- 4,519 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6: OP 54

No glare found

PV array 6: OP 55

No glare found

PV array 6: OP 56

No glare found

PV array 6: OP 57

No glare found

PV array 6: OP 58

No glare found

PV array 7 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	1585	396
OP: OP 2	1319	1782
OP: OP 3	1141	2097
OP: OP 4	1093	2411
OP: OP 5	1393	2339

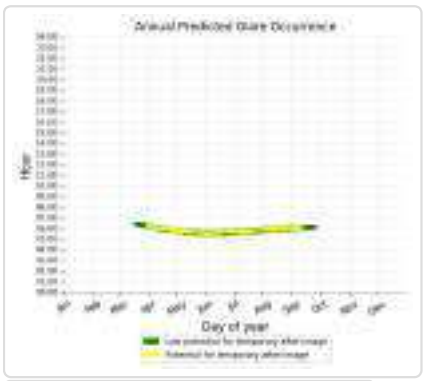
OP: OP 6	1430	2406
OP: OP 7	1580	1729
OP: OP 8	1692	1415
OP: OP 9	1973	156
OP: OP 10	1441	1859
OP: OP 11	1518	1936
OP: OP 12	1648	1712
OP: OP 13	2199	348
OP: OP 14	822	9
OP: OP 15	1708	293
OP: OP 16	1531	562
OP: OP 17	1524	929
OP: OP 18	1296	841
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	1188	2146
OP: OP 26	1276	2101
OP: OP 27	992	2153
OP: OP 28	1149	2153
OP: OP 29	0	0
OP: OP 30	1457	241
OP: OP 31	1584	518
OP: OP 32	1731	887
OP: OP 33	1644	1052
OP: OP 34	1658	1325
OP: OP 35	1145	1873
OP: OP 36	1256	2034
OP: OP 37	1290	2192
OP: OP 38	964	2399
OP: OP 39	1181	2171
OP: OP 40	1873	816
OP: OP 41	41	0
OP: OP 42	936	65
OP: OP 43	1292	816
OP: OP 44	1534	868
OP: OP 45	782	1727
OP: OP 46	1065	1322
OP: OP 47	1060	1750
OP: OP 48	1587	1408
OP: OP 49	1552	647
OP: OP 50	1369	994
OP: OP 51	1731	954
OP: OP 52	3003	0
OP: OP 53	1793	0
OP: OP 54	0	0
OP: OP 55	0	0

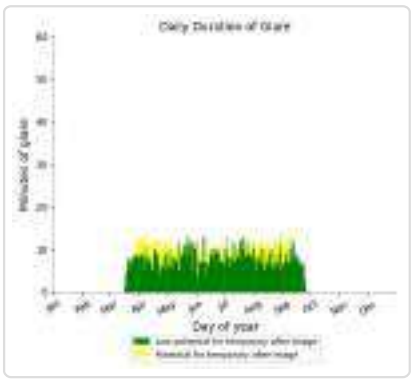
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

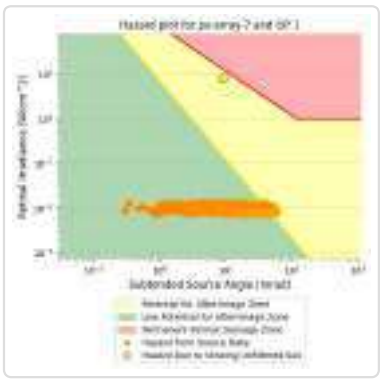
PV array 7: OP 1

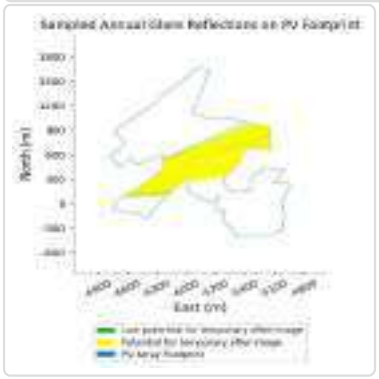
PV array is expected to produce the following glare for this receptor:

- 1,585 minutes of "green" glare with low potential to cause temporary after-image.
- 396 minutes of "yellow" glare with potential to cause temporary after-image.





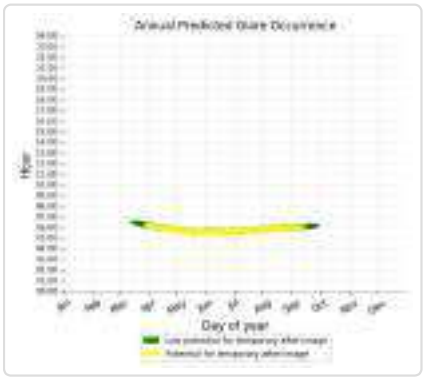


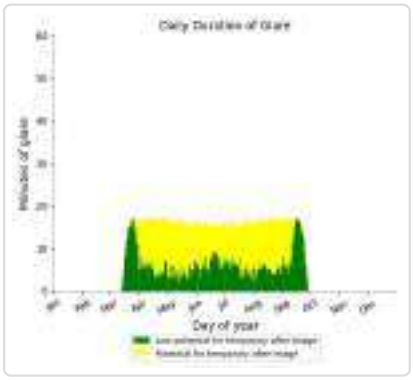


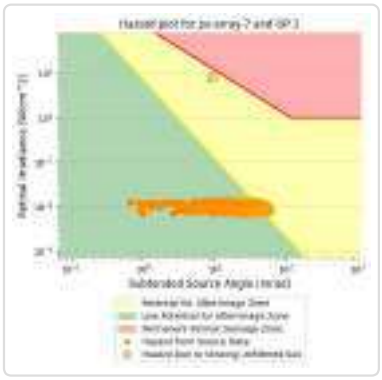
PV array 7: OP 2

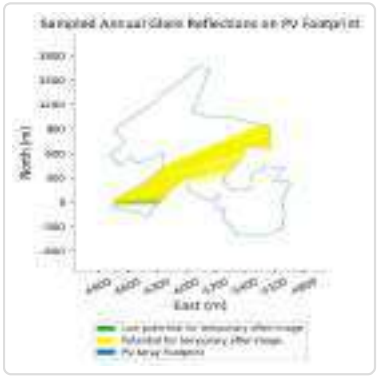
PV array is expected to produce the following glare for this receptor:

- 1,319 minutes of "green" glare with low potential to cause temporary after-image.
- 1,782 minutes of "yellow" glare with potential to cause temporary after-image.





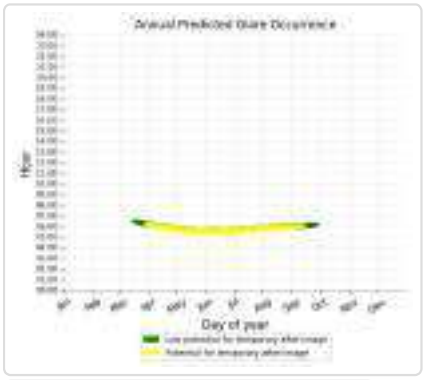


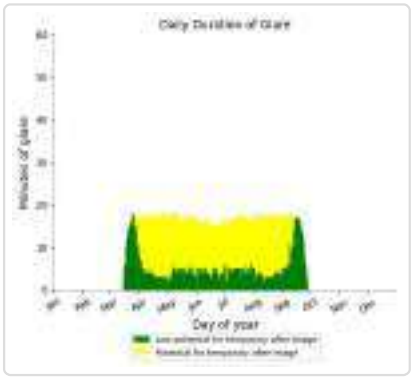


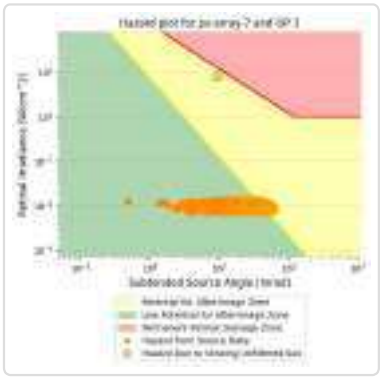
PV array 7: OP 3

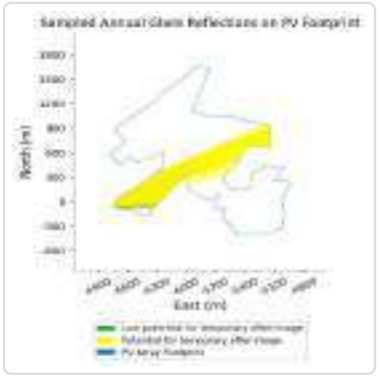
PV array is expected to produce the following glare for this receptor:

- 1,141 minutes of "green" glare with low potential to cause temporary after-image.
- 2,097 minutes of "yellow" glare with potential to cause temporary after-image.





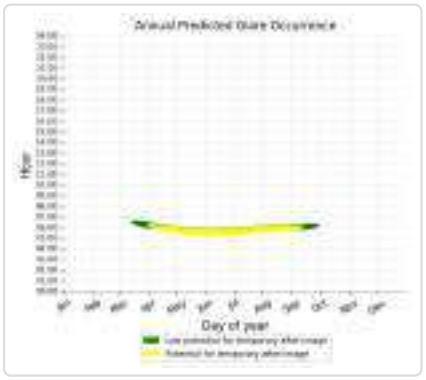


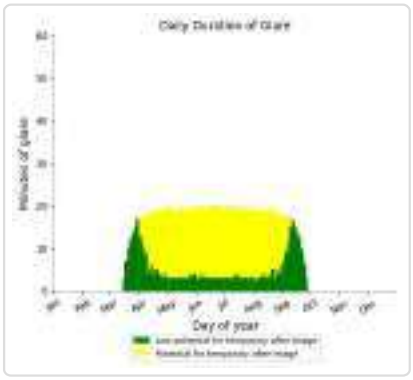


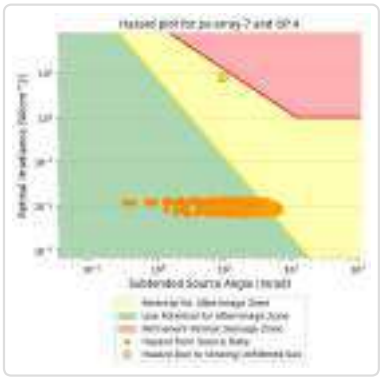
PV array 7: OP 4

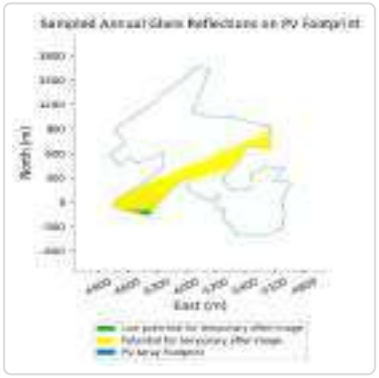
PV array is expected to produce the following glare for this receptor:

- 1,093 minutes of "green" glare with low potential to cause temporary after-image.
- 2,411 minutes of "yellow" glare with potential to cause temporary after-image.





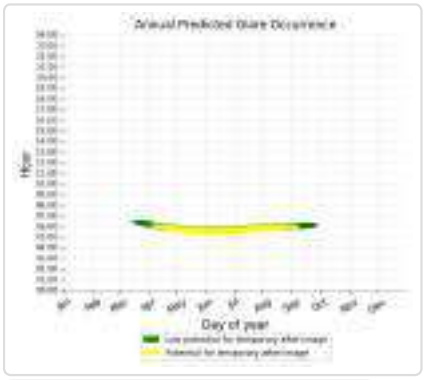


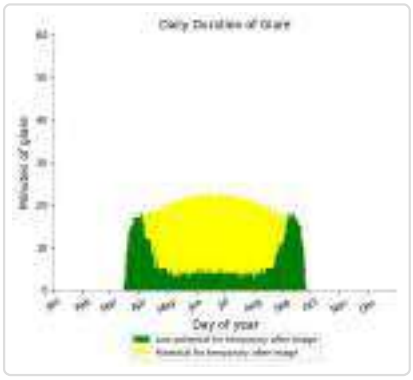


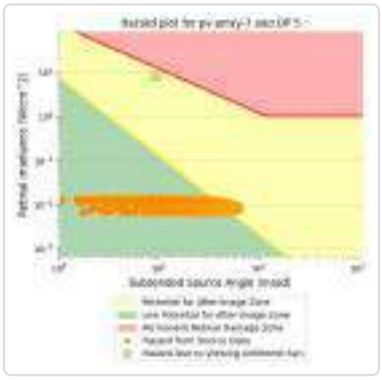
PV array 7: OP 5

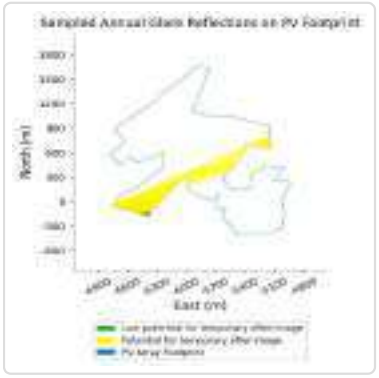
PV array is expected to produce the following glare for this receptor:

- 1,393 minutes of "green" glare with low potential to cause temporary after-image.
- 2,339 minutes of "yellow" glare with potential to cause temporary after-image.





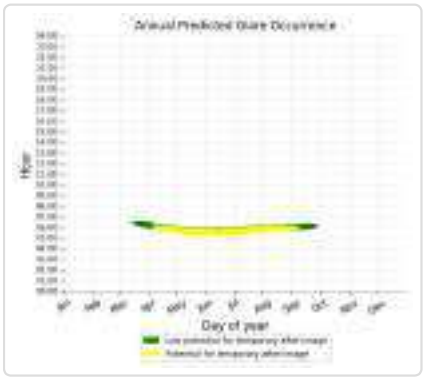


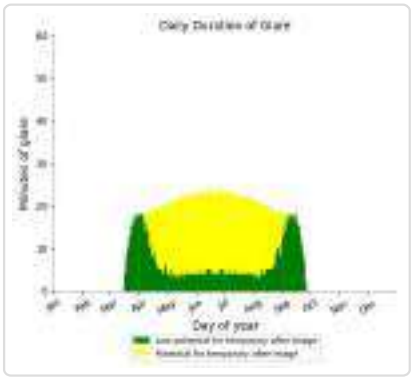


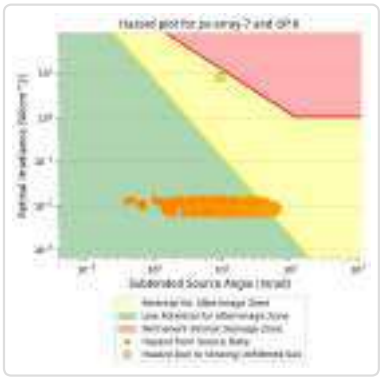
PV array 7: OP 6

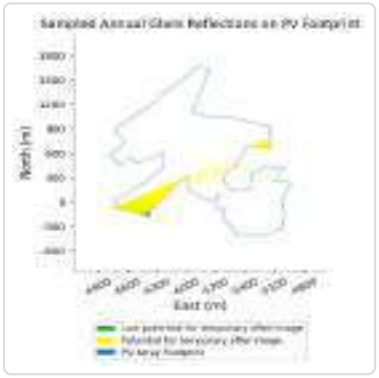
PV array is expected to produce the following glare for this receptor:

- 1,430 minutes of "green" glare with low potential to cause temporary after-image.
- 2,406 minutes of "yellow" glare with potential to cause temporary after-image.





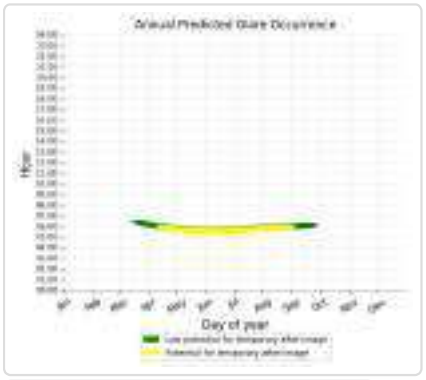


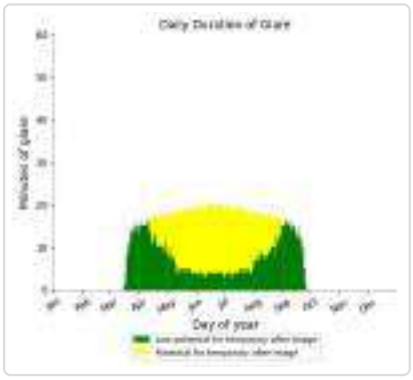


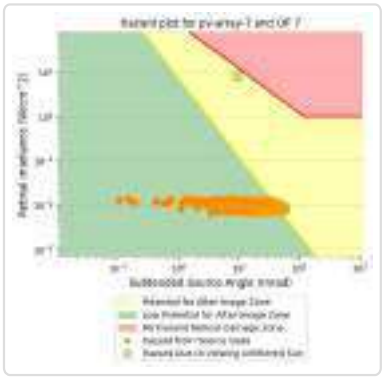
PV array 7: OP 7

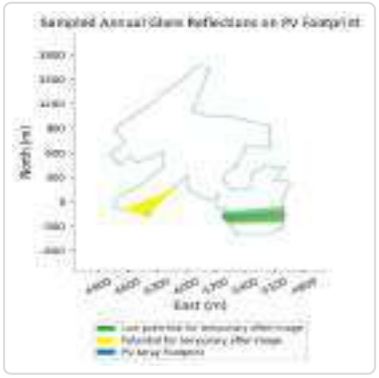
PV array is expected to produce the following glare for this receptor:

- 1,580 minutes of "green" glare with low potential to cause temporary after-image.
- 1,729 minutes of "yellow" glare with potential to cause temporary after-image.





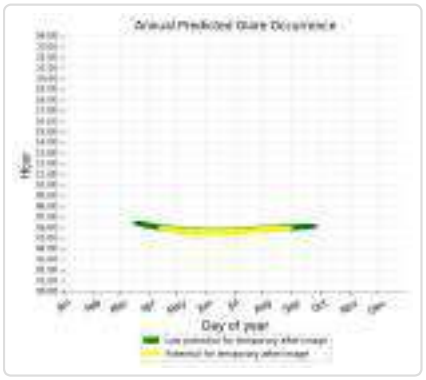


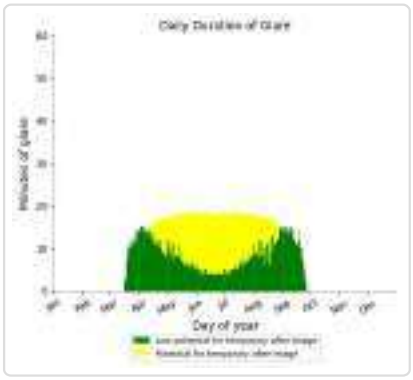


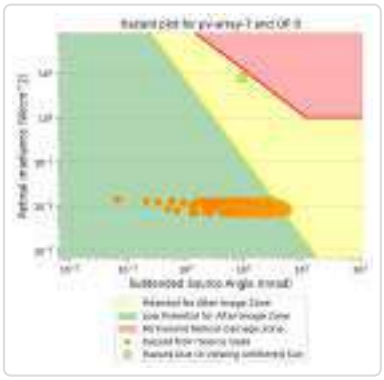
PV array 7: OP 8

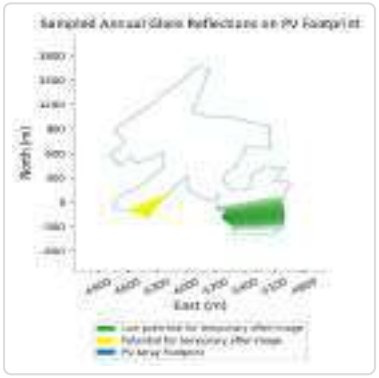
PV array is expected to produce the following glare for this receptor:

- 1,692 minutes of "green" glare with low potential to cause temporary after-image.
- 1,415 minutes of "yellow" glare with potential to cause temporary after-image.





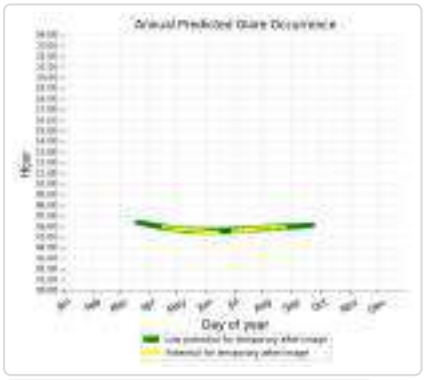


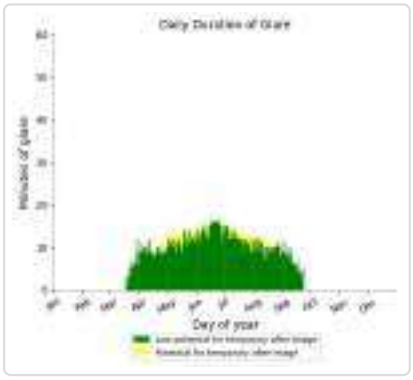


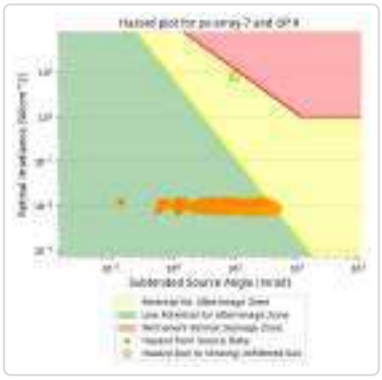
PV array 7: OP 9

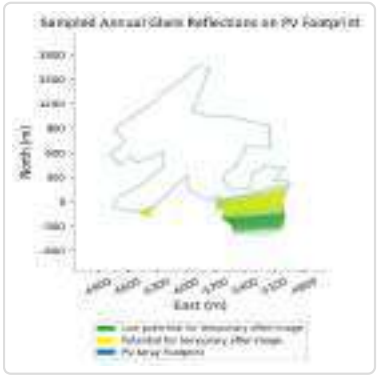
PV array is expected to produce the following glare for this receptor:

- 1,973 minutes of "green" glare with low potential to cause temporary after-image.
- 156 minutes of "yellow" glare with potential to cause temporary after-image.





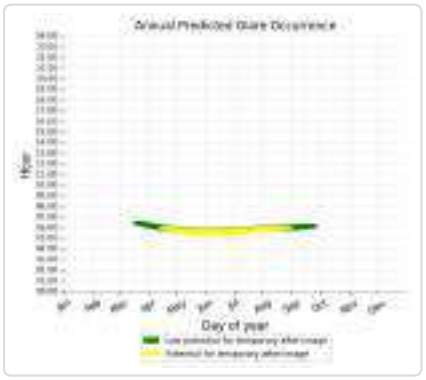


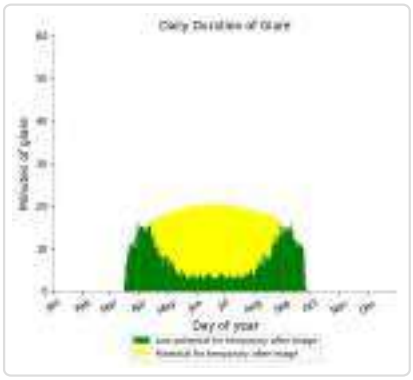


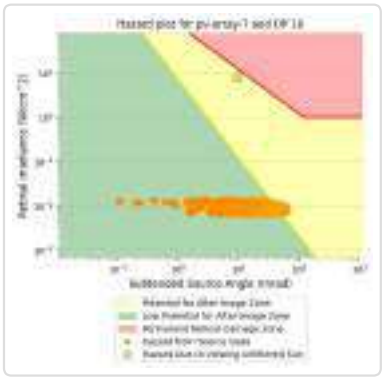
PV array 7: OP 10

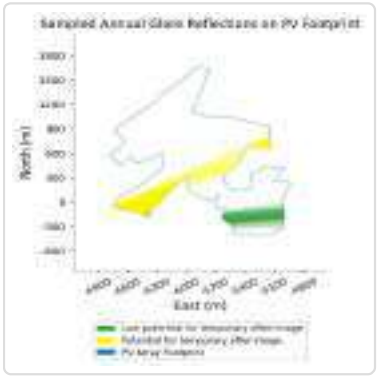
PV array is expected to produce the following glare for this receptor:

- 1,441 minutes of "green" glare with low potential to cause temporary after-image.
- 1,859 minutes of "yellow" glare with potential to cause temporary after-image.





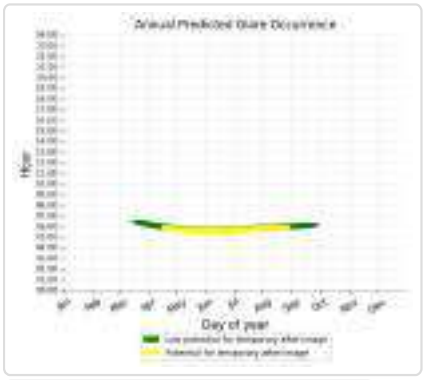


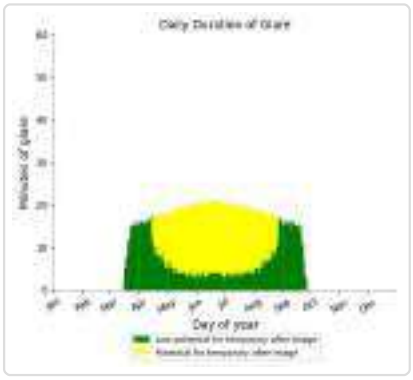


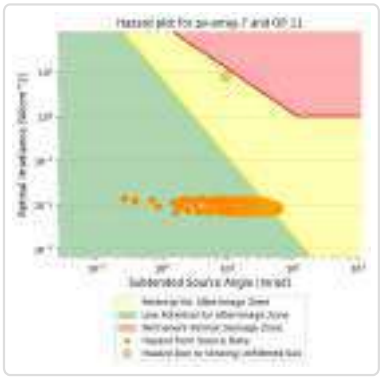
PV array 7: OP 11

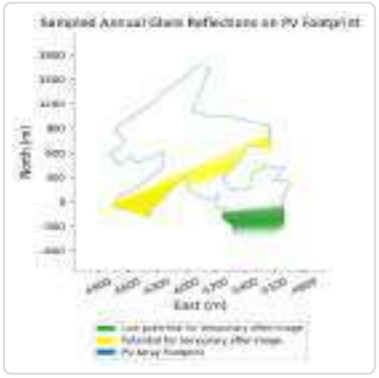
PV array is expected to produce the following glare for this receptor:

- 1,518 minutes of "green" glare with low potential to cause temporary after-image.
- 1,936 minutes of "yellow" glare with potential to cause temporary after-image.





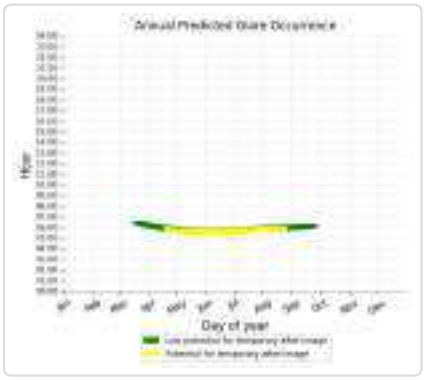


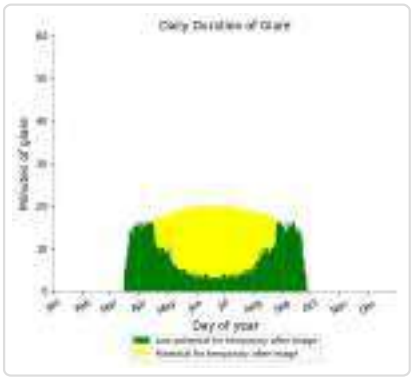


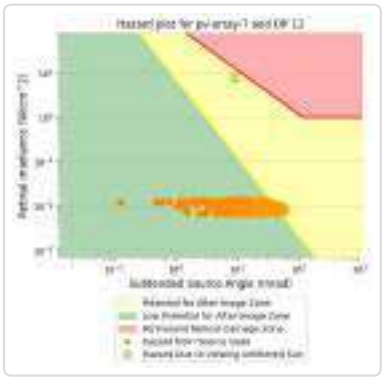
PV array 7: OP 12

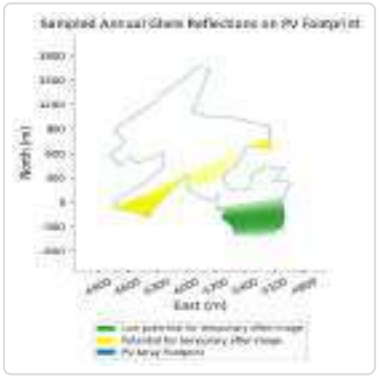
PV array is expected to produce the following glare for this receptor:

- 1,648 minutes of "green" glare with low potential to cause temporary after-image.
- 1,712 minutes of "yellow" glare with potential to cause temporary after-image.





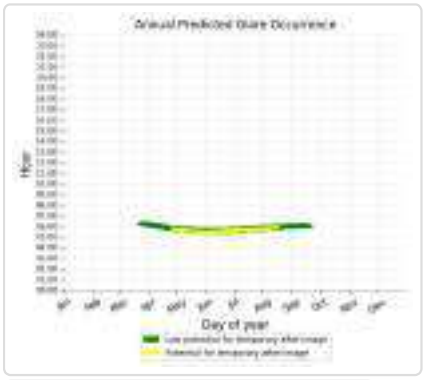


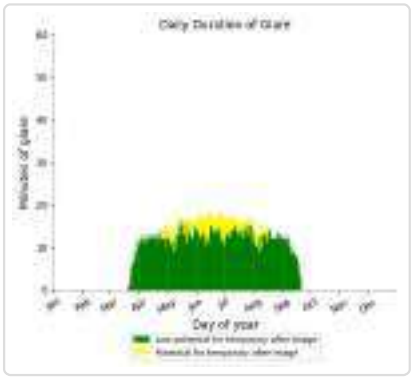


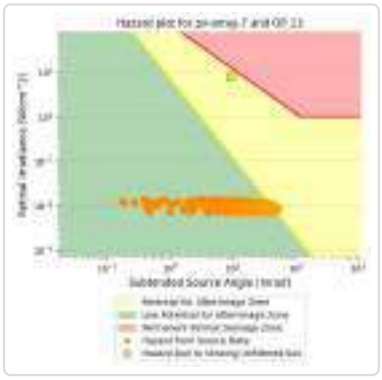
PV array 7: OP 13

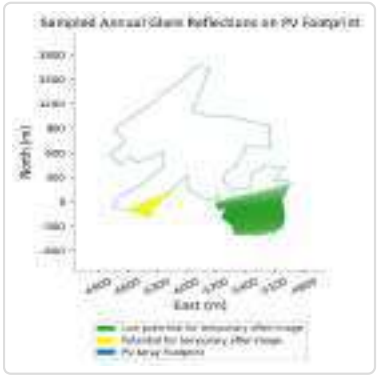
PV array is expected to produce the following glare for this receptor:

- 2,199 minutes of "green" glare with low potential to cause temporary after-image.
- 348 minutes of "yellow" glare with potential to cause temporary after-image.





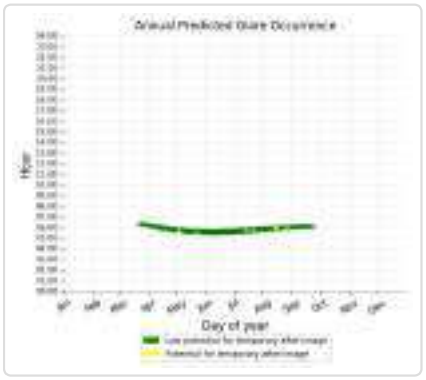


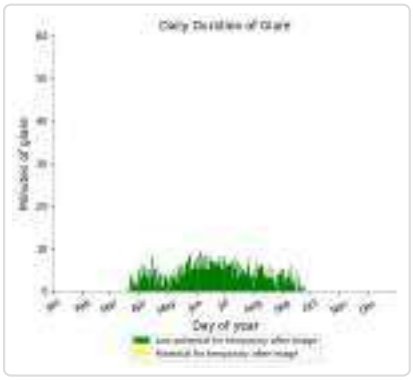


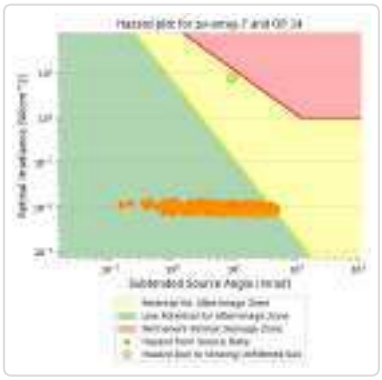
PV array 7: OP 14

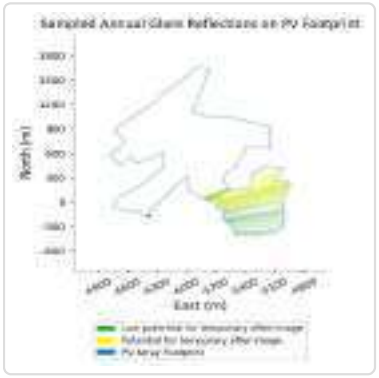
PV array is expected to produce the following glare for this receptor:

- 822 minutes of "green" glare with low potential to cause temporary after-image.
- 9 minutes of "yellow" glare with potential to cause temporary after-image.





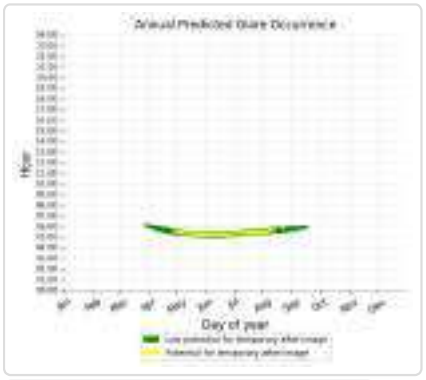


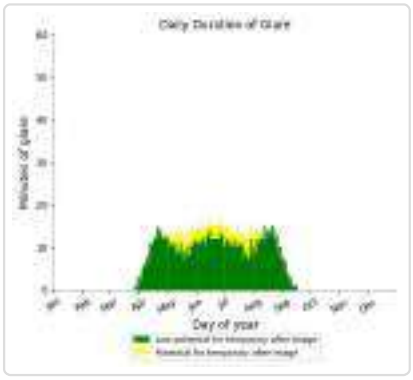


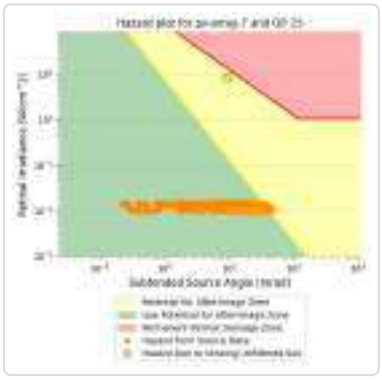
PV array 7: OP 15

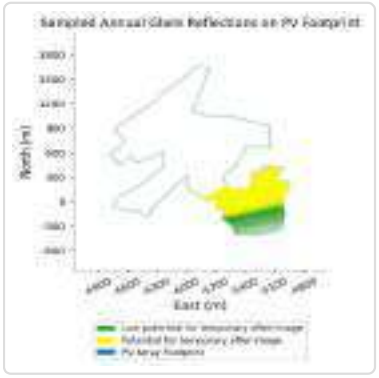
PV array is expected to produce the following glare for this receptor:

- 1,708 minutes of "green" glare with low potential to cause temporary after-image.
- 293 minutes of "yellow" glare with potential to cause temporary after-image.





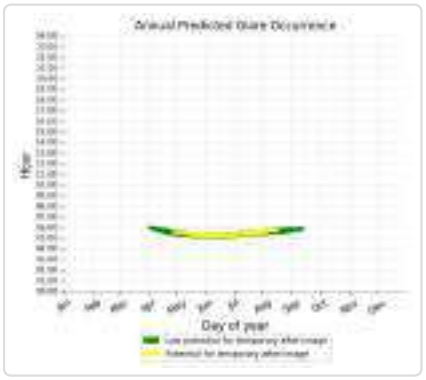


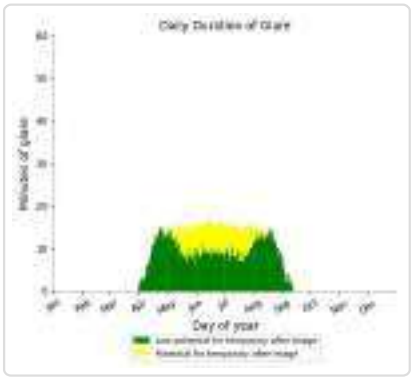


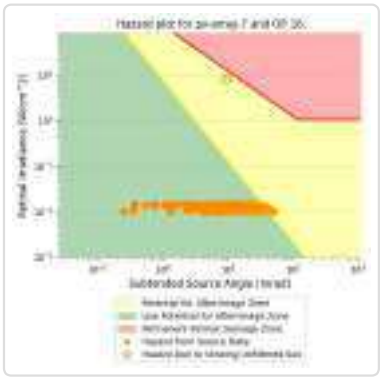
PV array 7: OP 16

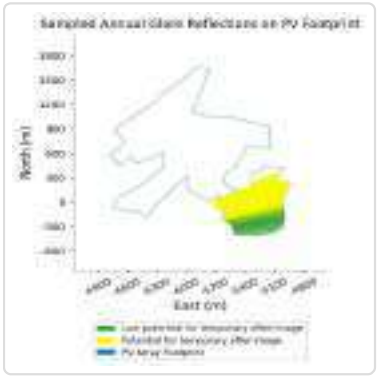
PV array is expected to produce the following glare for this receptor:

- 1,531 minutes of "green" glare with low potential to cause temporary after-image.
- 562 minutes of "yellow" glare with potential to cause temporary after-image.





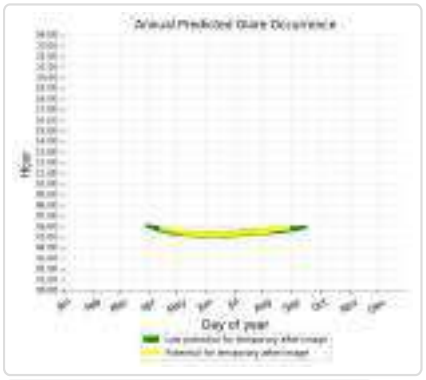


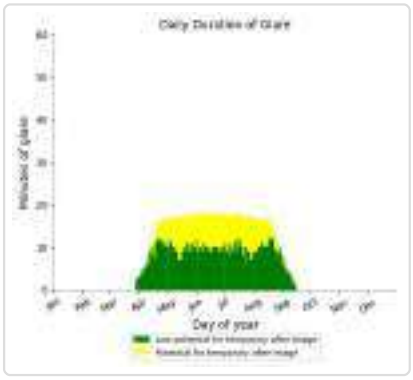


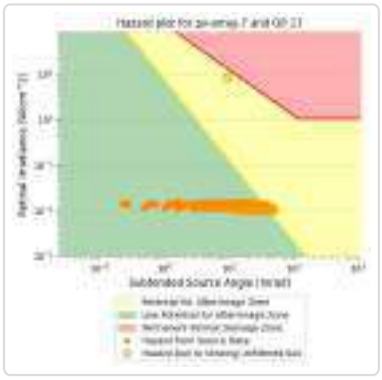
PV array 7: OP 17

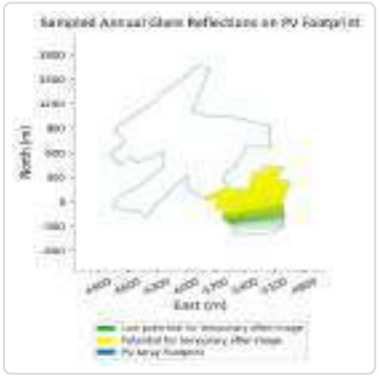
PV array is expected to produce the following glare for this receptor:

- 1,524 minutes of "green" glare with low potential to cause temporary after-image.
- 929 minutes of "yellow" glare with potential to cause temporary after-image.





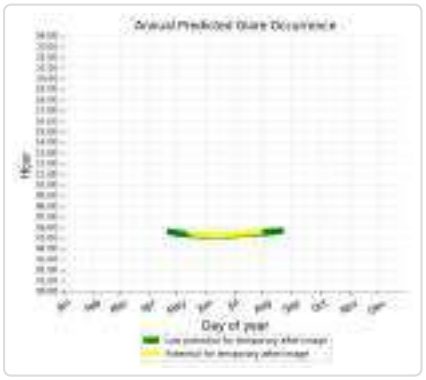


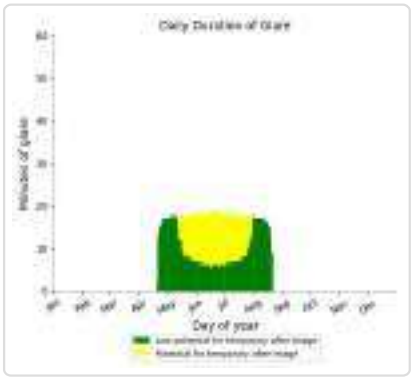


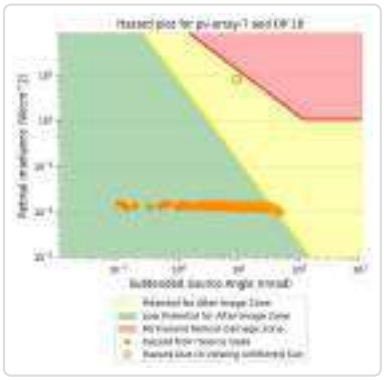
PV array 7: OP 18

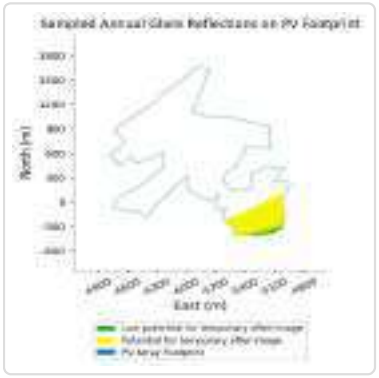
PV array is expected to produce the following glare for this receptor:

- 1,296 minutes of "green" glare with low potential to cause temporary after-image.
- 841 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 7: OP 19

No glare found

PV array 7: OP 20

No glare found

PV array 7: OP 21

No glare found

PV array 7: OP 22

No glare found

PV array 7: OP 23

No glare found

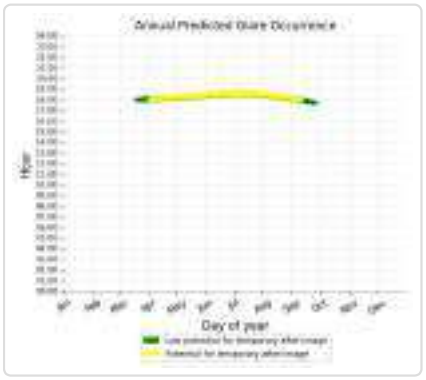
PV array 7: OP 24

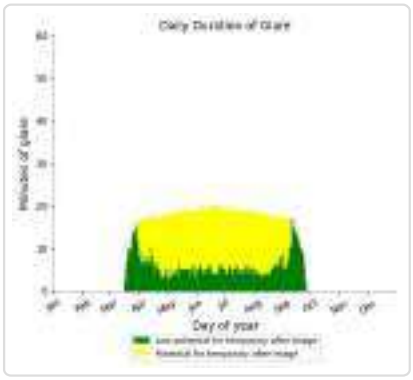
No glare found

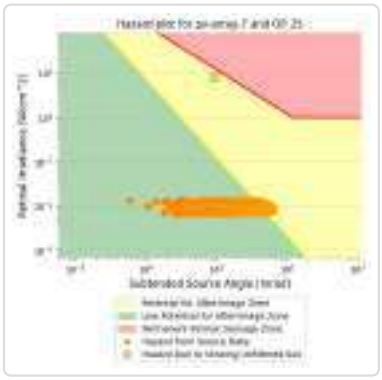
PV array 7: OP 25

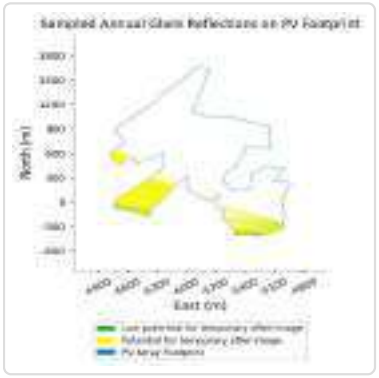
PV array is expected to produce the following glare for this receptor:

- 1,188 minutes of "green" glare with low potential to cause temporary after-image.
- 2,146 minutes of "yellow" glare with potential to cause temporary after-image.





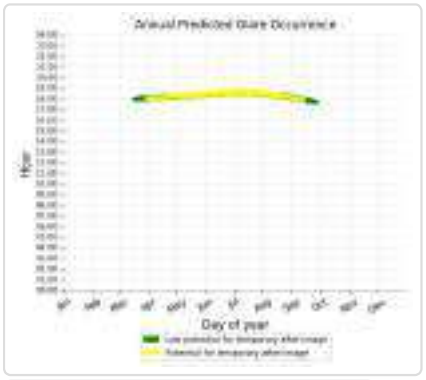


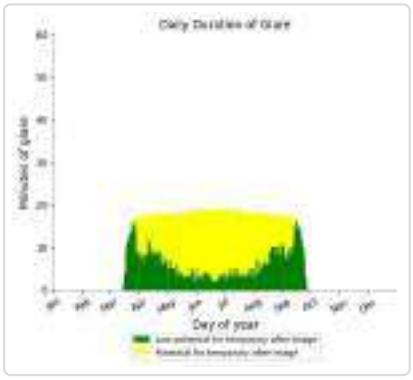


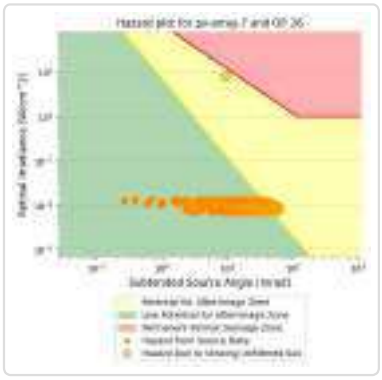
PV array 7: OP 26

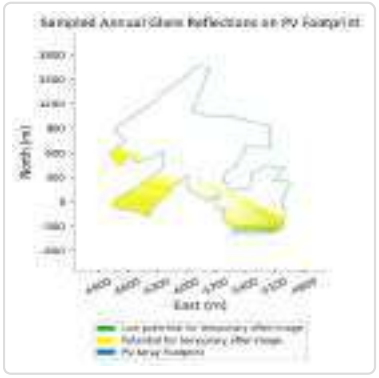
PV array is expected to produce the following glare for this receptor:

- 1,276 minutes of "green" glare with low potential to cause temporary after-image.
- 2,101 minutes of "yellow" glare with potential to cause temporary after-image.





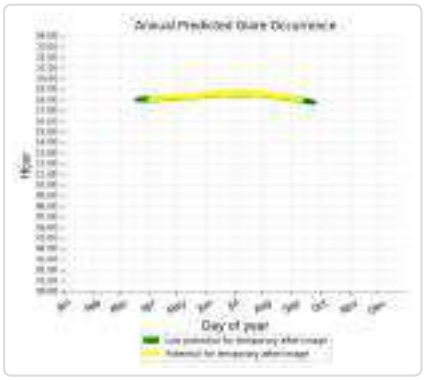


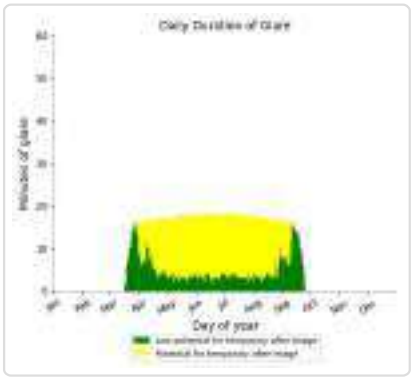


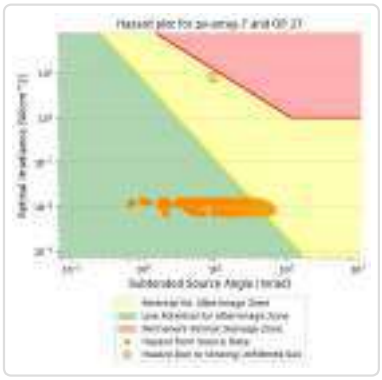
PV array 7: OP 27

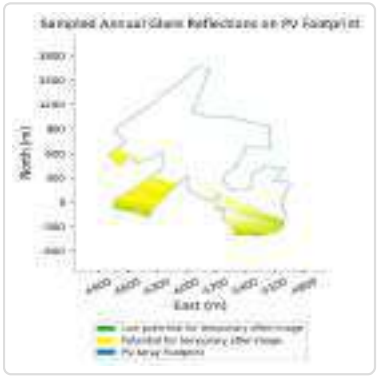
PV array is expected to produce the following glare for this receptor:

- 992 minutes of "green" glare with low potential to cause temporary after-image.
- 2,153 minutes of "yellow" glare with potential to cause temporary after-image.





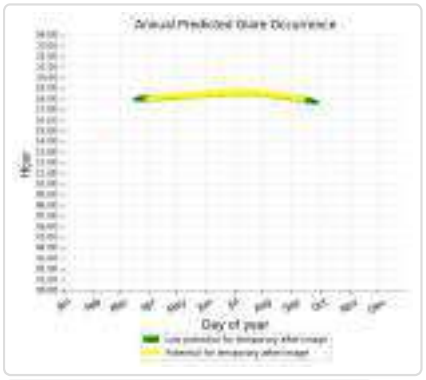


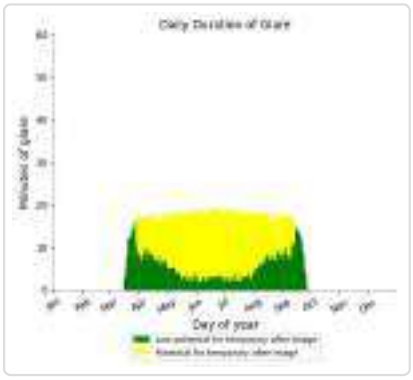


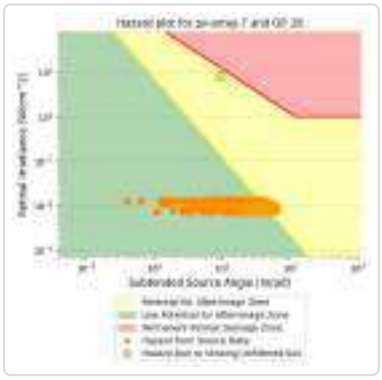
PV array 7: OP 28

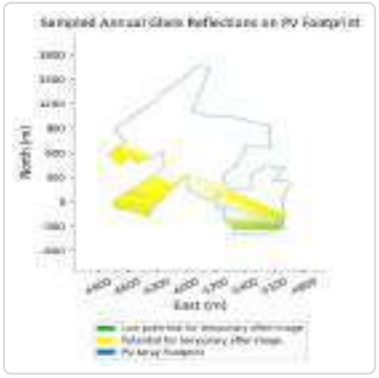
PV array is expected to produce the following glare for this receptor:

- 1,149 minutes of "green" glare with low potential to cause temporary after-image.
- 2,153 minutes of "yellow" glare with potential to cause temporary after-image.









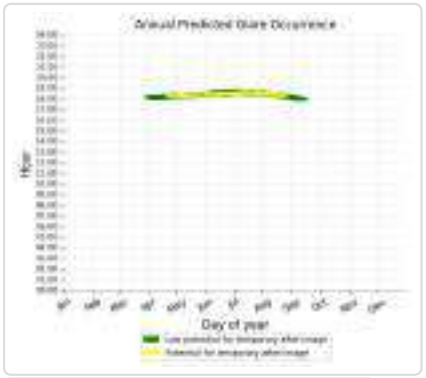
PV array 7: OP 29

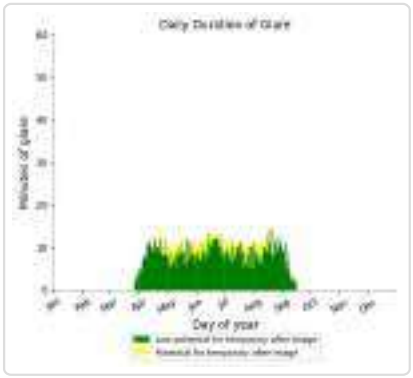
No glare found

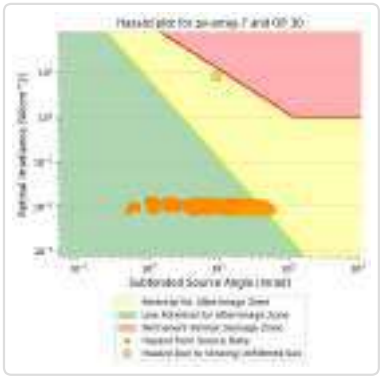
PV array 7: OP 30

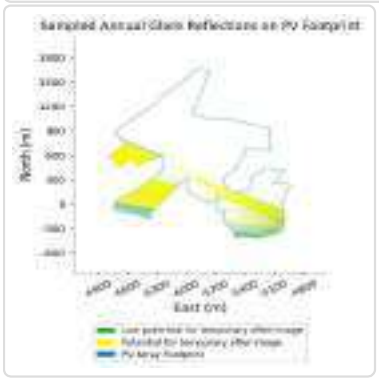
PV array is expected to produce the following glare for this receptor:

- 1,457 minutes of "green" glare with low potential to cause temporary after-image.
- 241 minutes of "yellow" glare with potential to cause temporary after-image.





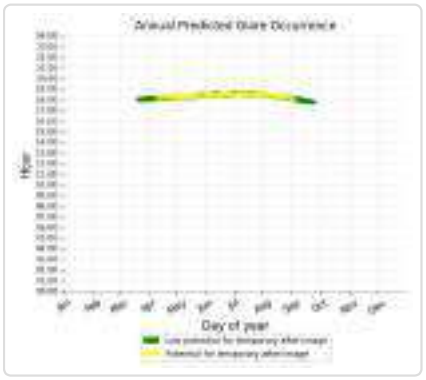


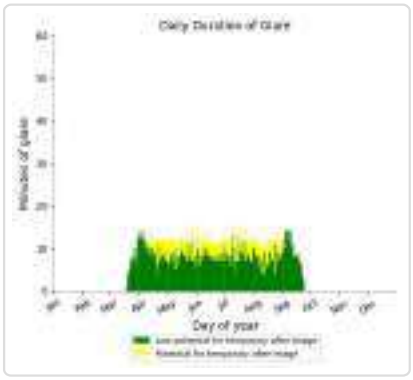


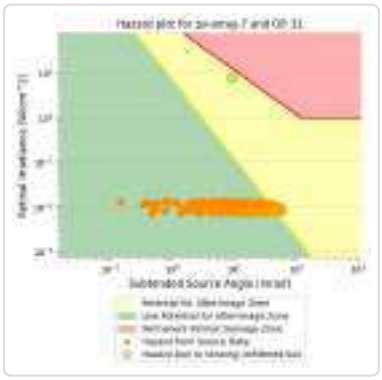
PV array 7: OP 31

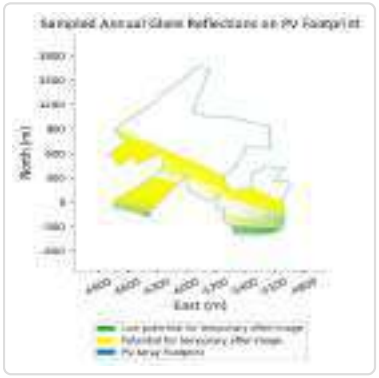
PV array is expected to produce the following glare for this receptor:

- 1,584 minutes of "green" glare with low potential to cause temporary after-image.
- 518 minutes of "yellow" glare with potential to cause temporary after-image.





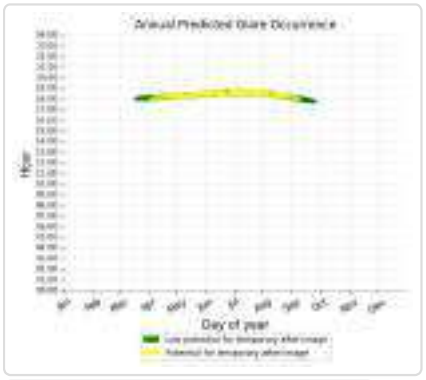


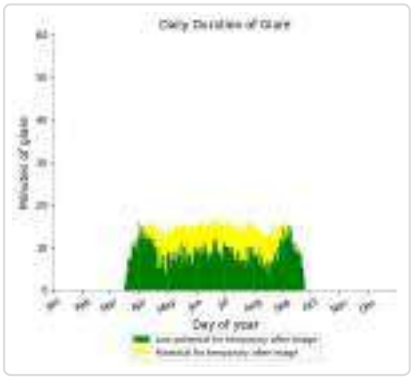


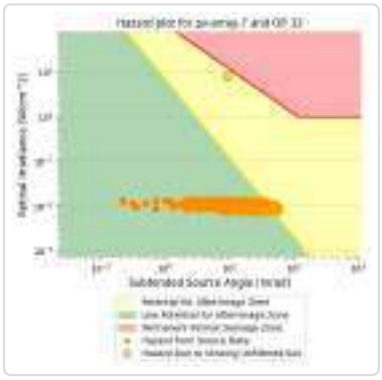
PV array 7: OP 32

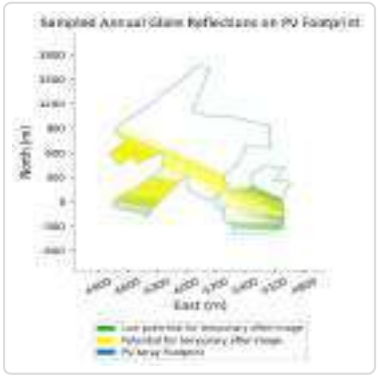
PV array is expected to produce the following glare for this receptor:

- 1,731 minutes of "green" glare with low potential to cause temporary after-image.
- 887 minutes of "yellow" glare with potential to cause temporary after-image.





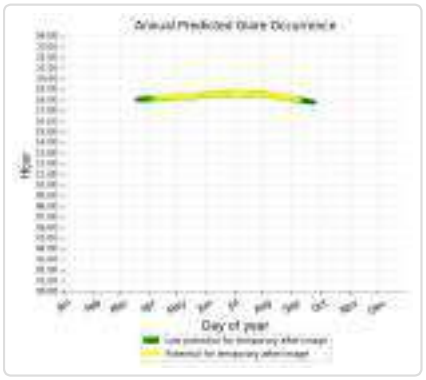


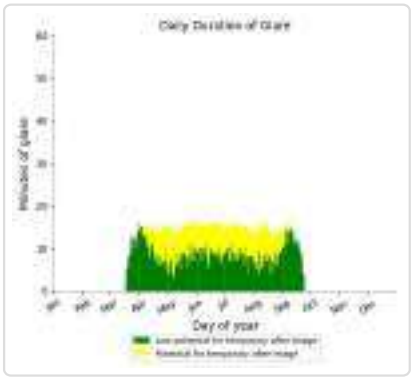


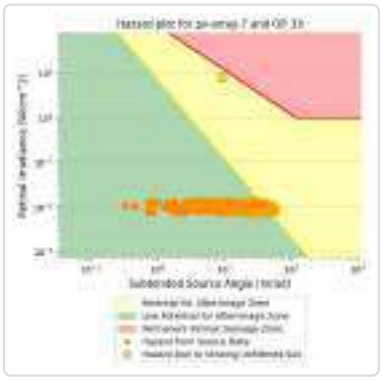
PV array 7: OP 33

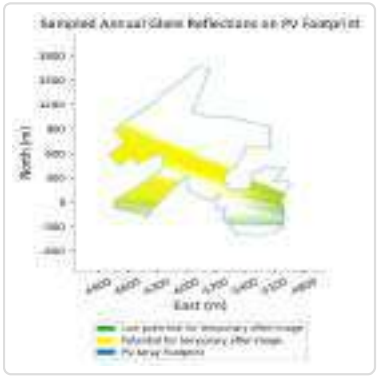
PV array is expected to produce the following glare for this receptor:

- 1,644 minutes of "green" glare with low potential to cause temporary after-image.
- 1,052 minutes of "yellow" glare with potential to cause temporary after-image.





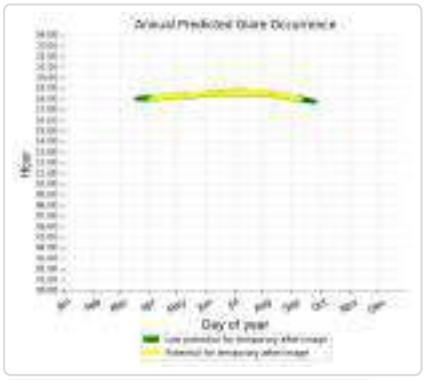


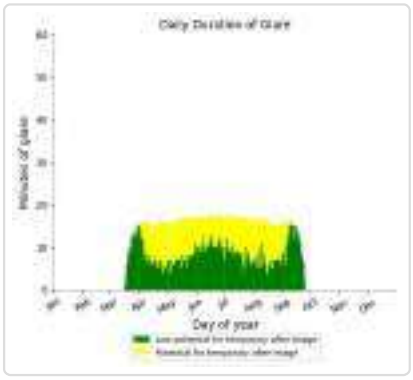


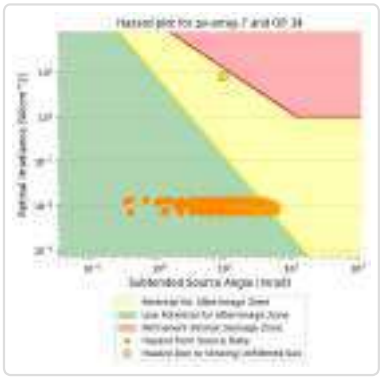
PV array 7: OP 34

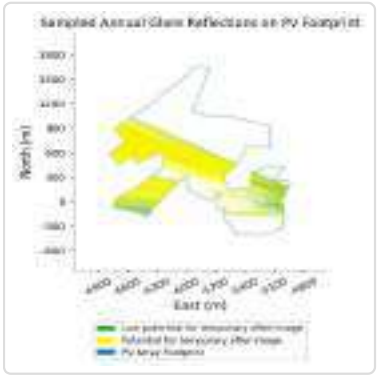
PV array is expected to produce the following glare for this receptor:

- 1,658 minutes of "green" glare with low potential to cause temporary after-image.
- 1,325 minutes of "yellow" glare with potential to cause temporary after-image.





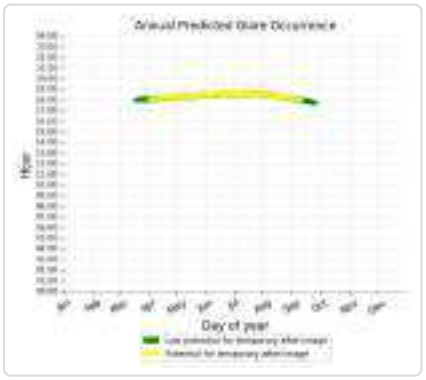


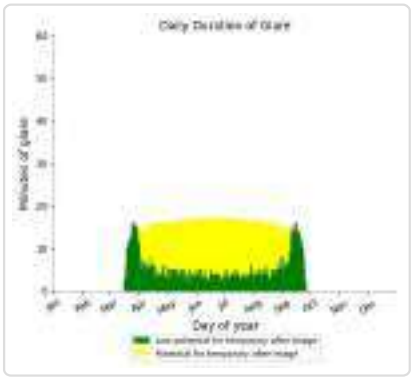


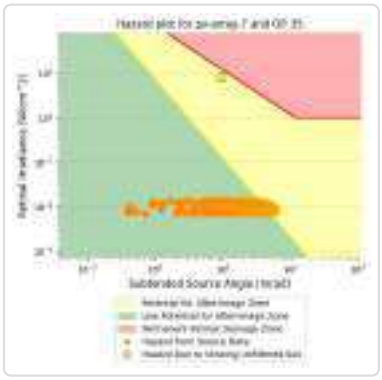
PV array 7: OP 35

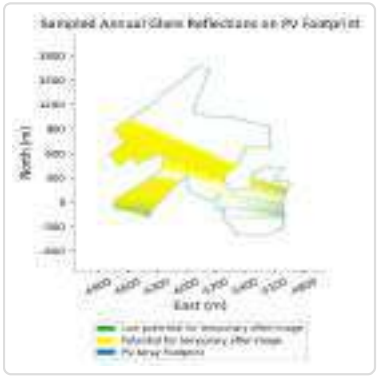
PV array is expected to produce the following glare for this receptor:

- 1,145 minutes of "green" glare with low potential to cause temporary after-image.
- 1,873 minutes of "yellow" glare with potential to cause temporary after-image.





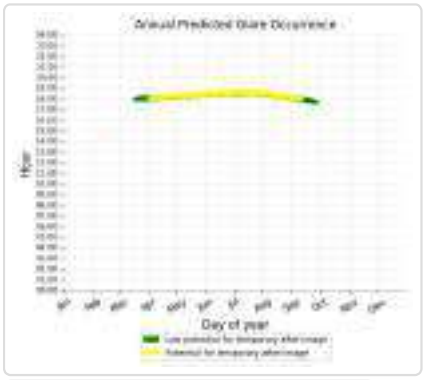


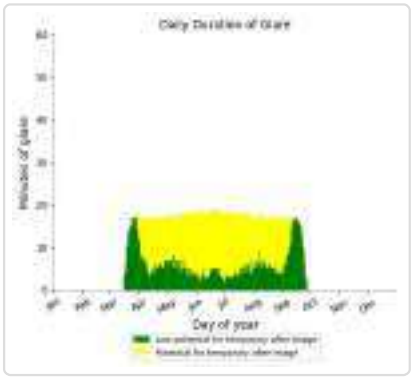


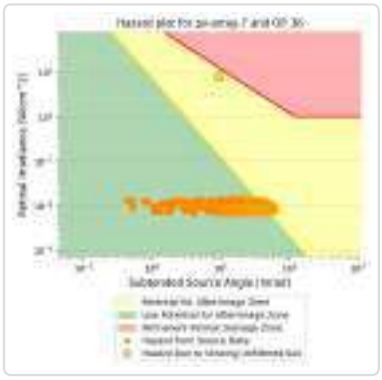
PV array 7: OP 36

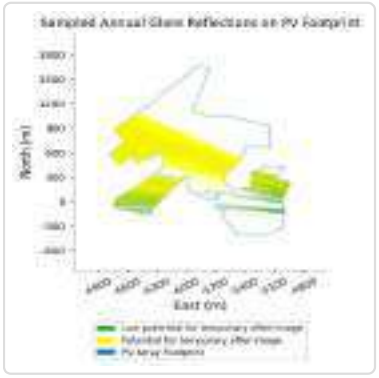
PV array is expected to produce the following glare for this receptor:

- 1,256 minutes of "green" glare with low potential to cause temporary after-image.
- 2,034 minutes of "yellow" glare with potential to cause temporary after-image.





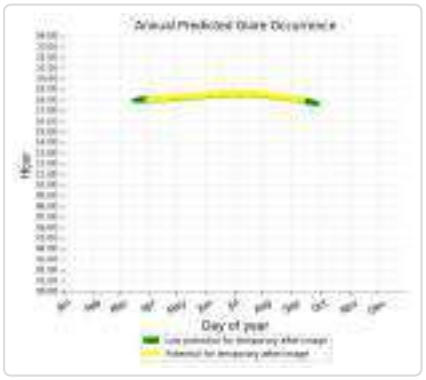


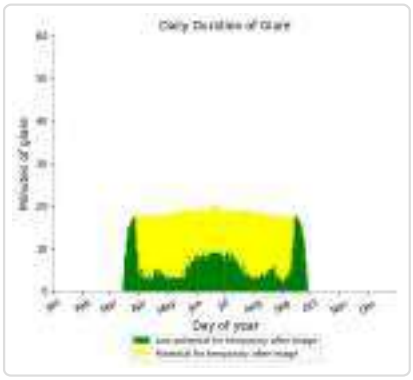


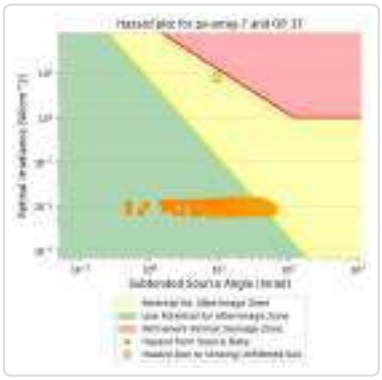
PV array 7: OP 37

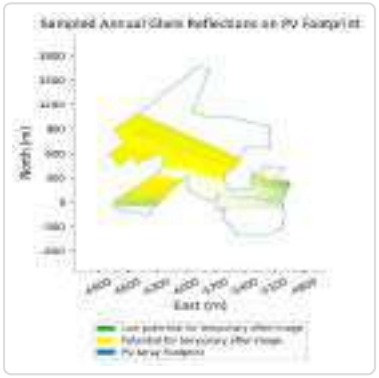
PV array is expected to produce the following glare for this receptor:

- 1,290 minutes of "green" glare with low potential to cause temporary after-image.
- 2,192 minutes of "yellow" glare with potential to cause temporary after-image.





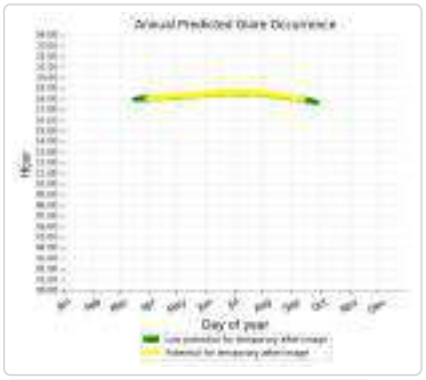


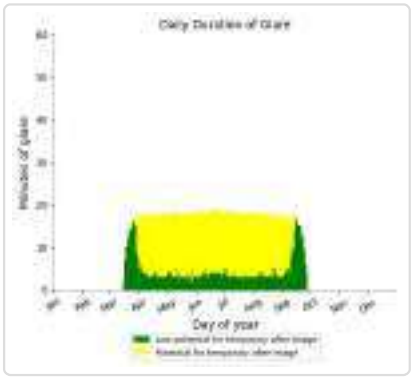


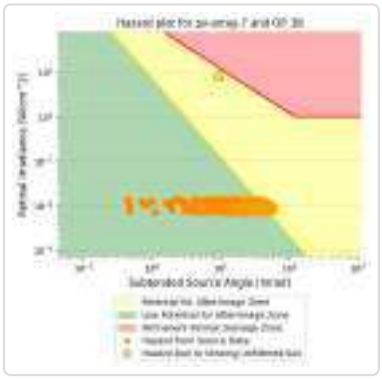
PV array 7: OP 38

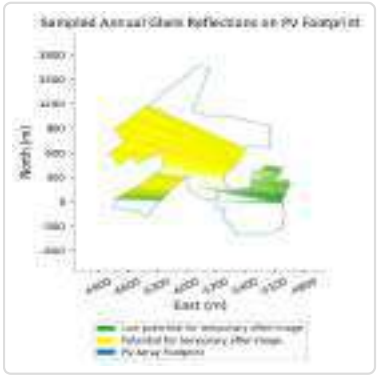
PV array is expected to produce the following glare for this receptor:

- 964 minutes of "green" glare with low potential to cause temporary after-image.
- 2,399 minutes of "yellow" glare with potential to cause temporary after-image.





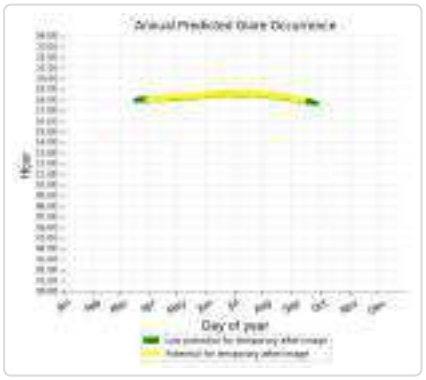


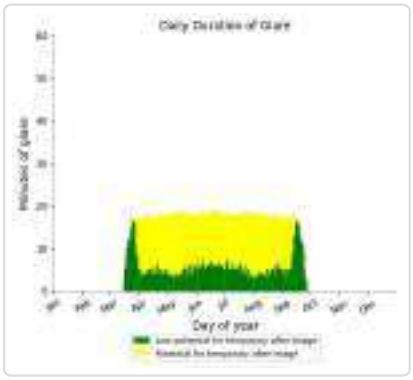


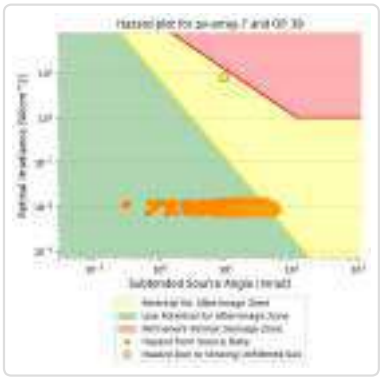
PV array 7: OP 39

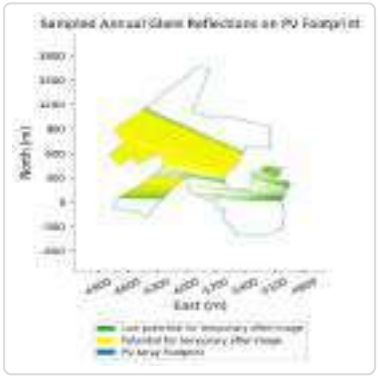
PV array is expected to produce the following glare for this receptor:

- 1,181 minutes of "green" glare with low potential to cause temporary after-image.
- 2,171 minutes of "yellow" glare with potential to cause temporary after-image.





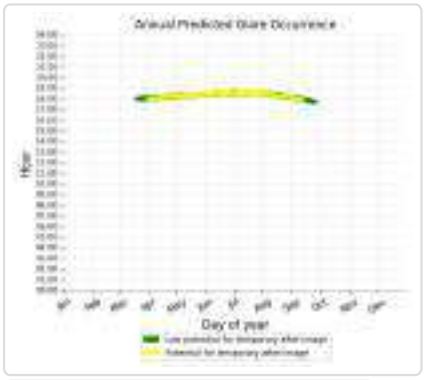


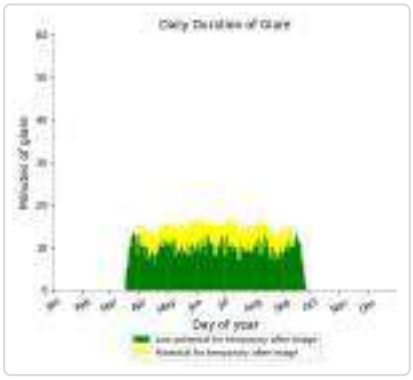


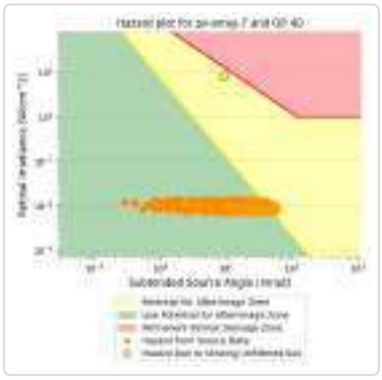
PV array 7: OP 40

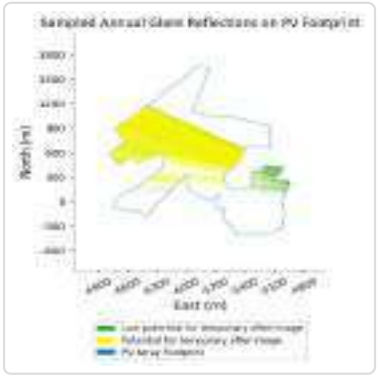
PV array is expected to produce the following glare for this receptor:

- 1,873 minutes of "green" glare with low potential to cause temporary after-image.
- 816 minutes of "yellow" glare with potential to cause temporary after-image.





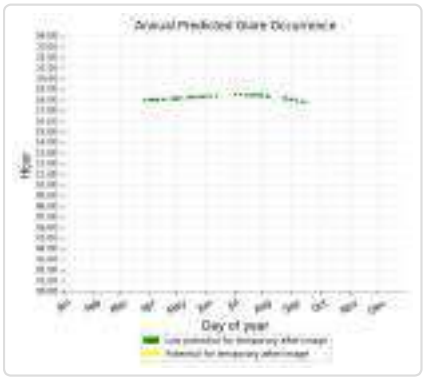


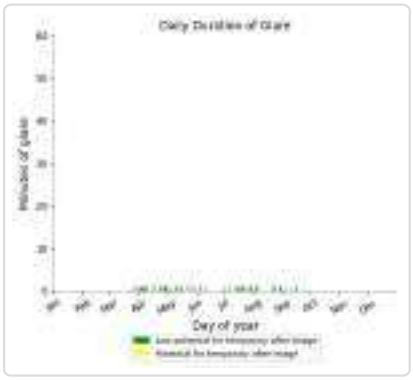


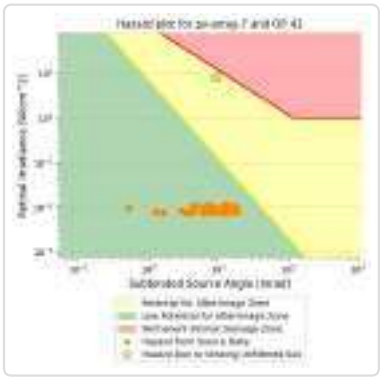
PV array 7: OP 41

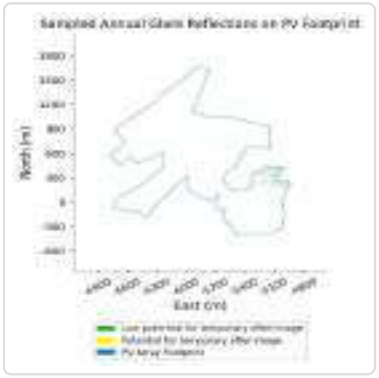
PV array is expected to produce the following glare for this receptor:

- 41 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





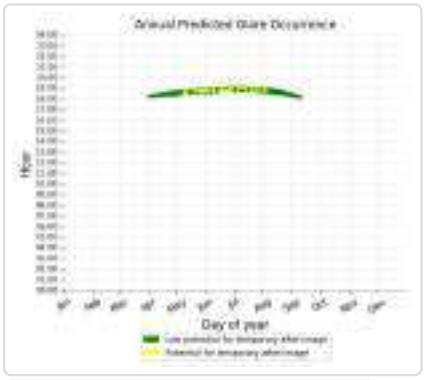


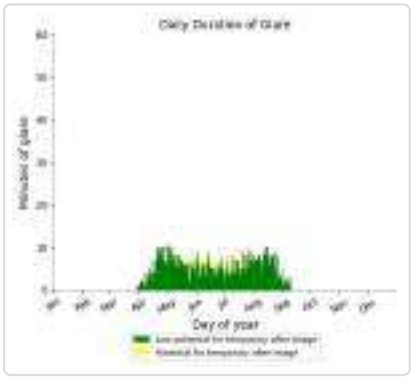


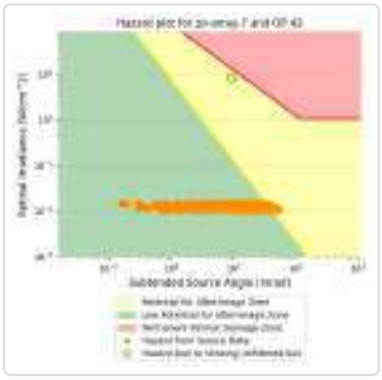
PV array 7: OP 42

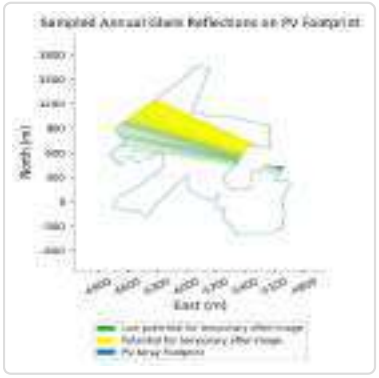
PV array is expected to produce the following glare for this receptor:

- 936 minutes of "green" glare with low potential to cause temporary after-image.
- 65 minutes of "yellow" glare with potential to cause temporary after-image.





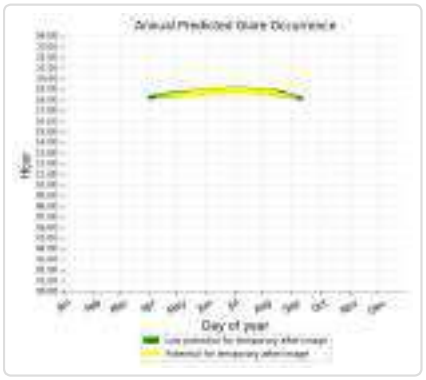


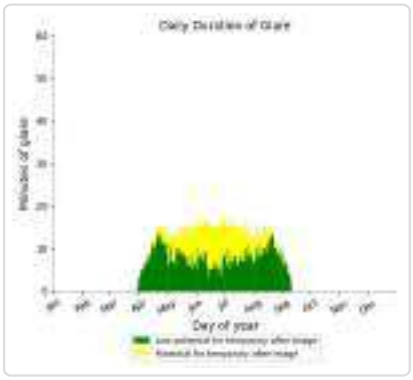


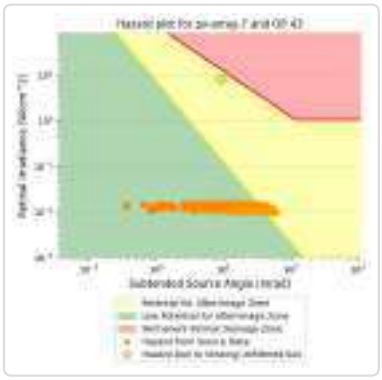
PV array 7: OP 43

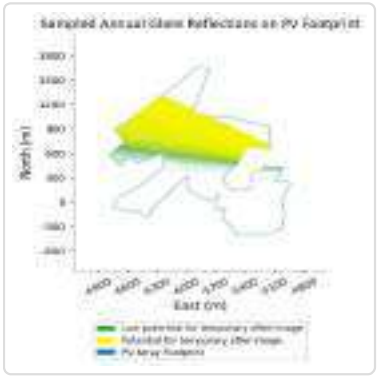
PV array is expected to produce the following glare for this receptor:

- 1,292 minutes of "green" glare with low potential to cause temporary after-image.
- 816 minutes of "yellow" glare with potential to cause temporary after-image.





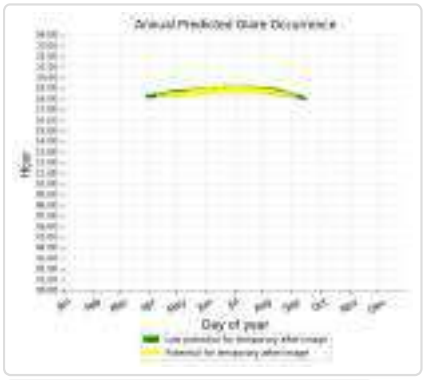


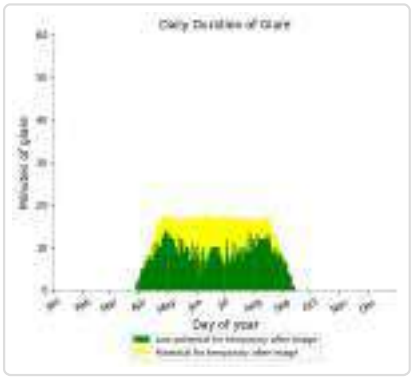


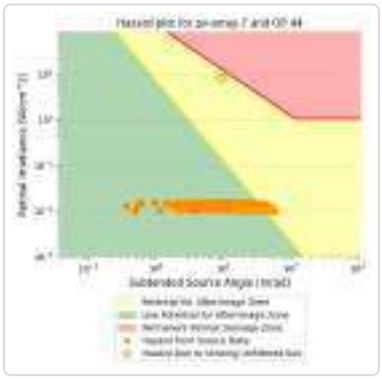
PV array 7: OP 44

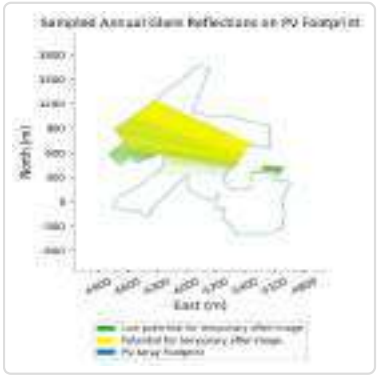
PV array is expected to produce the following glare for this receptor:

- 1,534 minutes of "green" glare with low potential to cause temporary after-image.
- 868 minutes of "yellow" glare with potential to cause temporary after-image.





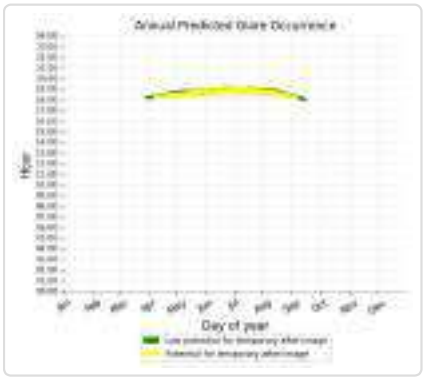


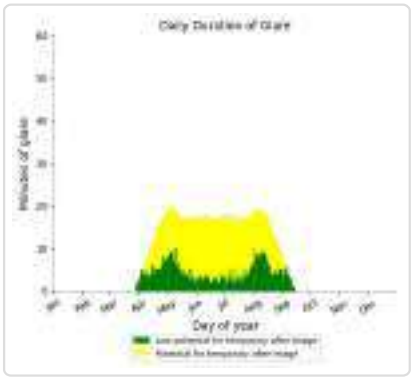


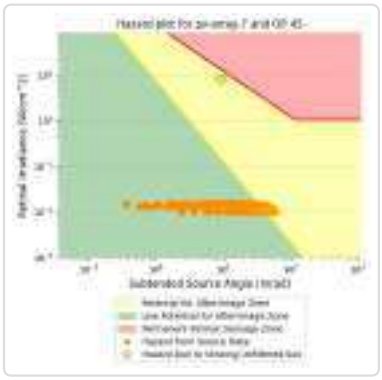
PV array 7: OP 45

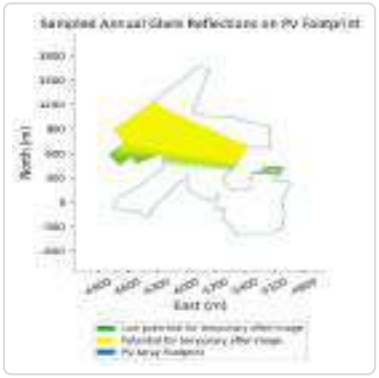
PV array is expected to produce the following glare for this receptor:

- 782 minutes of "green" glare with low potential to cause temporary after-image.
- 1,727 minutes of "yellow" glare with potential to cause temporary after-image.





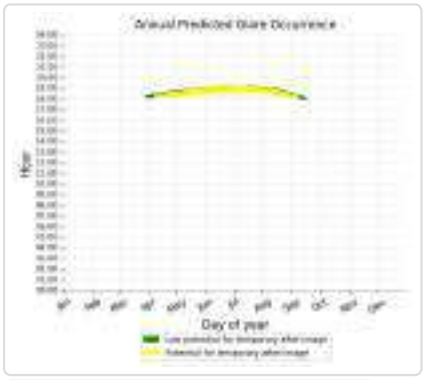


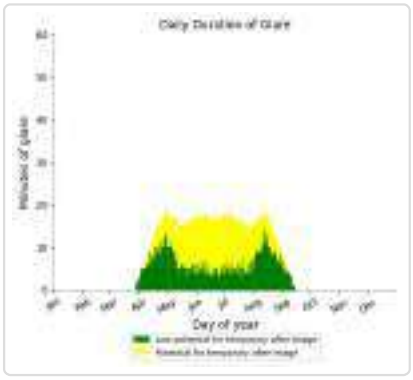


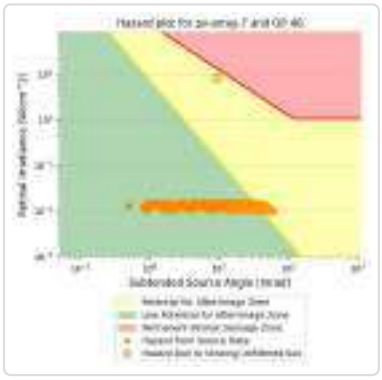
PV array 7: OP 46

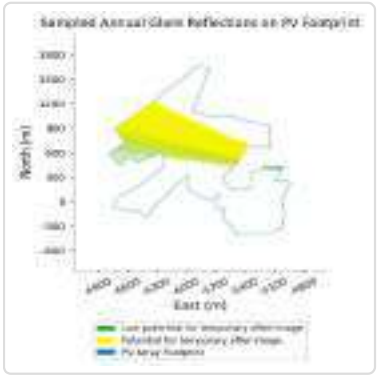
PV array is expected to produce the following glare for this receptor:

- 1,065 minutes of "green" glare with low potential to cause temporary after-image.
- 1,322 minutes of "yellow" glare with potential to cause temporary after-image.





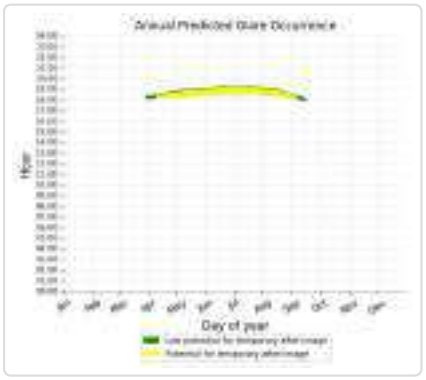


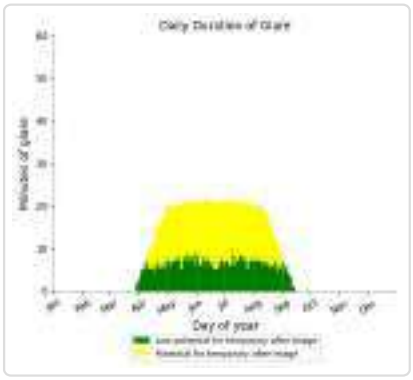


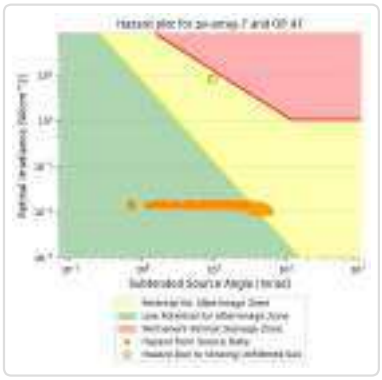
PV array 7: OP 47

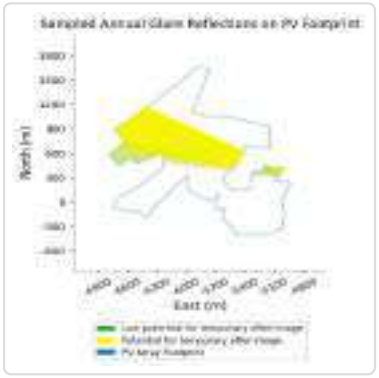
PV array is expected to produce the following glare for this receptor:

- 1,060 minutes of "green" glare with low potential to cause temporary after-image.
- 1,750 minutes of "yellow" glare with potential to cause temporary after-image.





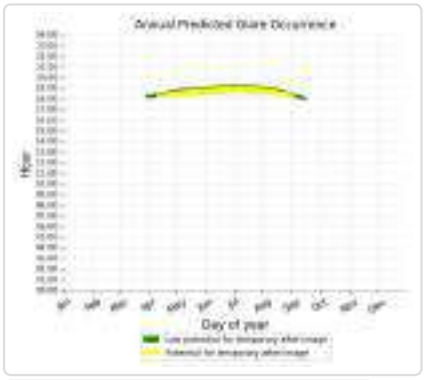


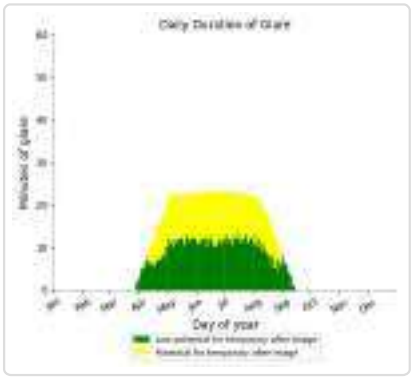


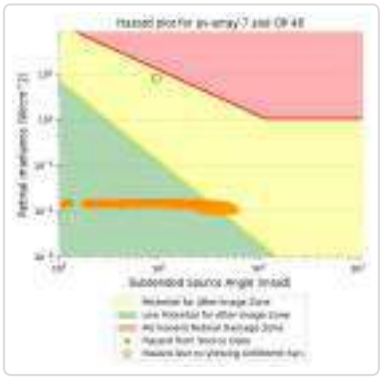
PV array 7: OP 48

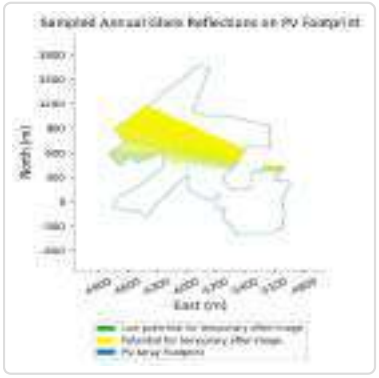
PV array is expected to produce the following glare for this receptor:

- 1,587 minutes of "green" glare with low potential to cause temporary after-image.
- 1,408 minutes of "yellow" glare with potential to cause temporary after-image.





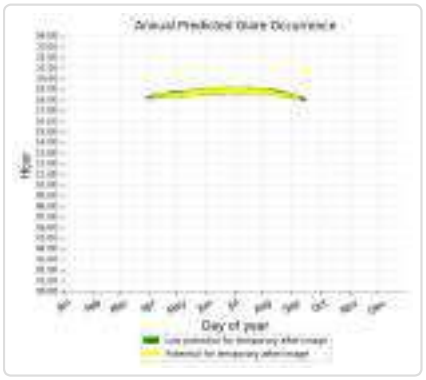


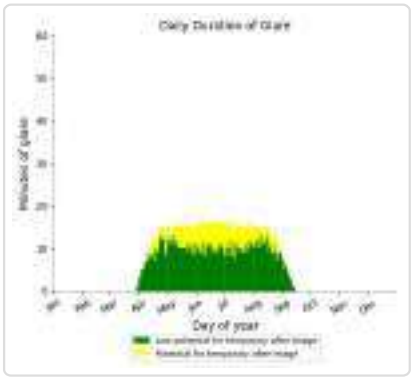


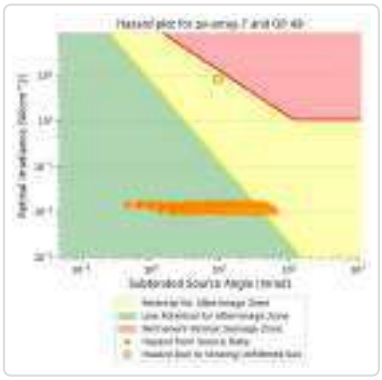
PV array 7: OP 49

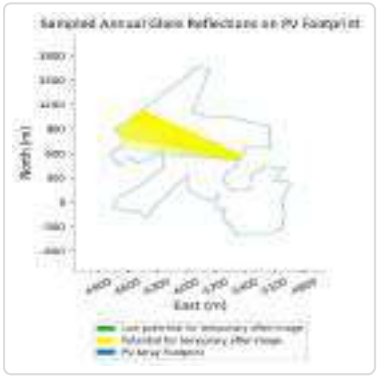
PV array is expected to produce the following glare for this receptor:

- 1,552 minutes of "green" glare with low potential to cause temporary after-image.
- 647 minutes of "yellow" glare with potential to cause temporary after-image.





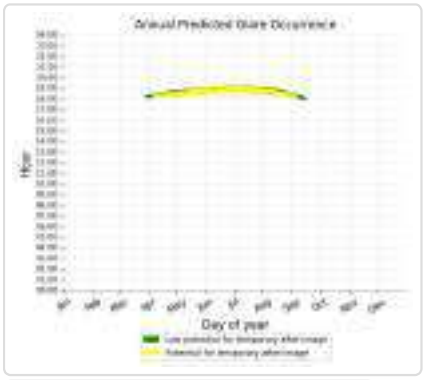


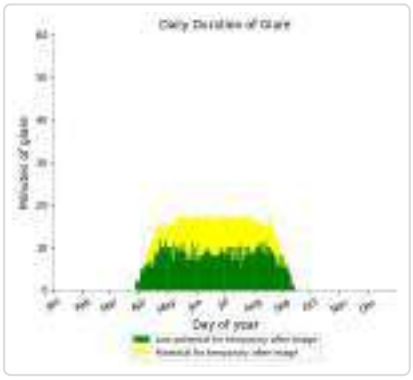


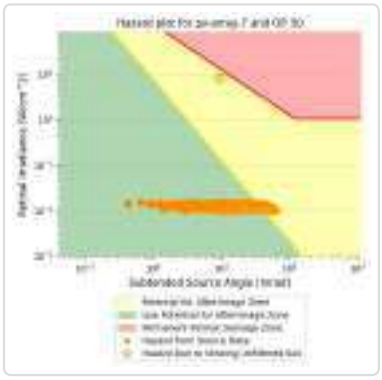
PV array 7: OP 50

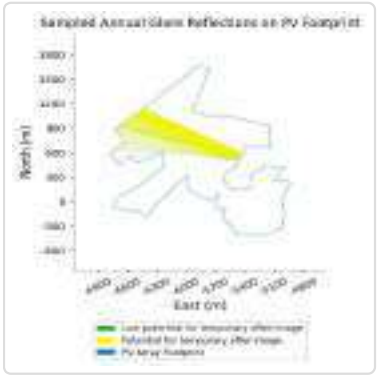
PV array is expected to produce the following glare for this receptor:

- 1,369 minutes of "green" glare with low potential to cause temporary after-image.
- 994 minutes of "yellow" glare with potential to cause temporary after-image.





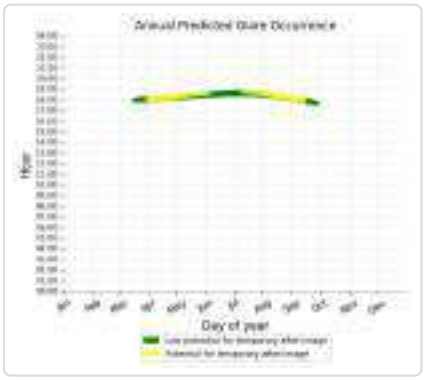


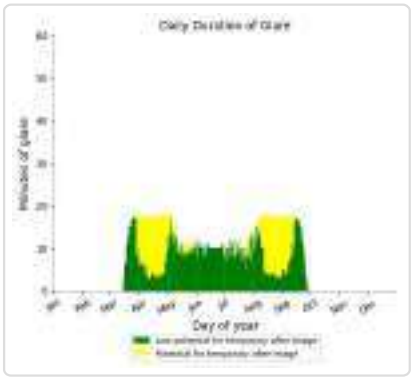


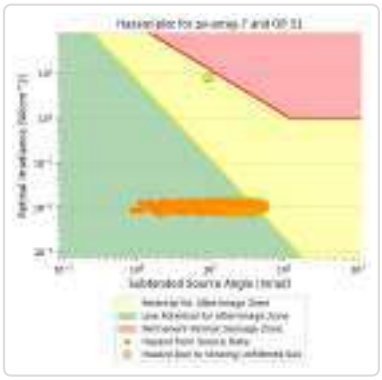
PV array 7: OP 51

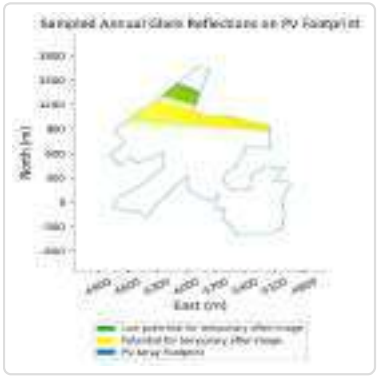
PV array is expected to produce the following glare for this receptor:

- 1,731 minutes of "green" glare with low potential to cause temporary after-image.
- 954 minutes of "yellow" glare with potential to cause temporary after-image.





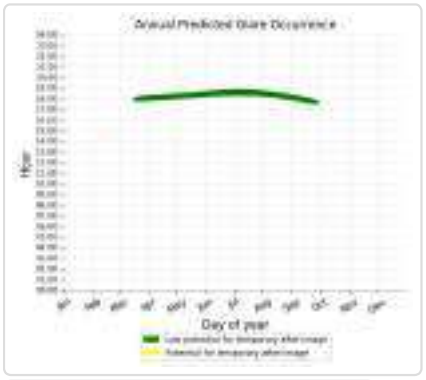


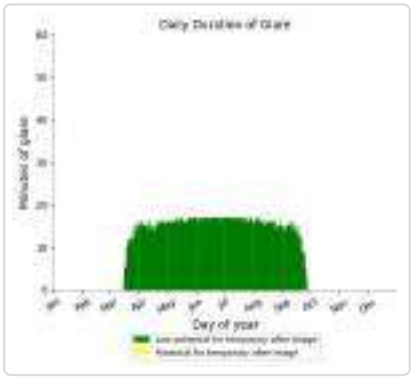


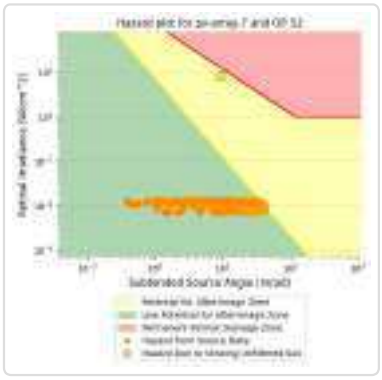
PV array 7: OP 52

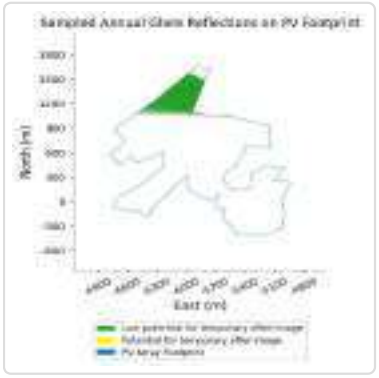
PV array is expected to produce the following glare for this receptor:

- 3,003 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





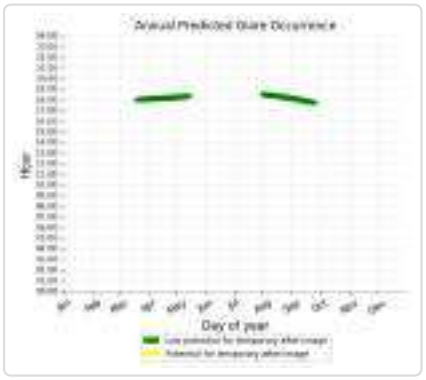


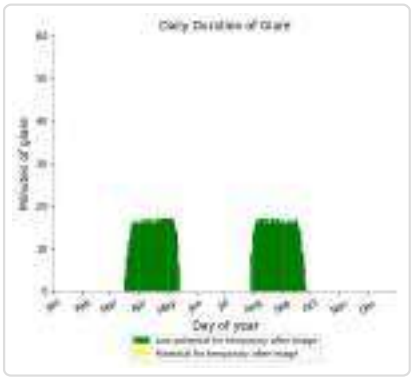


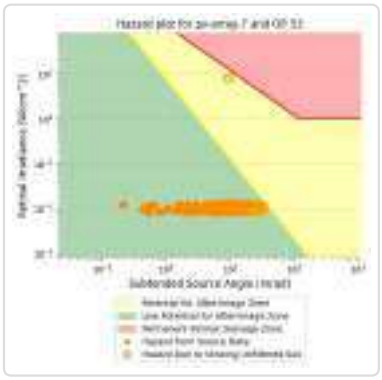
PV array 7: OP 53

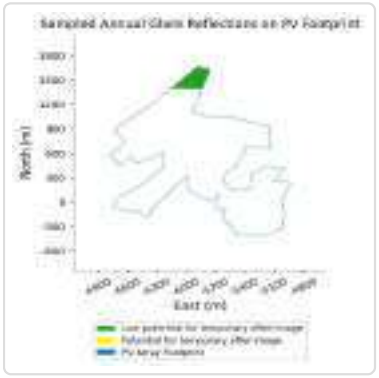
PV array is expected to produce the following glare for this receptor:

- 1,793 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 7: OP 54

No glare found

PV array 7: OP 55

No glare found

PV array 7: OP 56

No glare found

PV array 7: OP 57

No glare found

PV array 7: OP 58

No glare found

PV array 8 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0

OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	47	0
OP: OP 34	463	0
OP: OP 35	420	0
OP: OP 36	886	0
OP: OP 37	984	0
OP: OP 38	1504	0
OP: OP 39	1340	0
OP: OP 40	1499	0
OP: OP 41	1629	0
OP: OP 42	1755	0
OP: OP 43	1952	0
OP: OP 44	1714	0
OP: OP 45	1607	0
OP: OP 46	1706	0
OP: OP 47	1441	0
OP: OP 48	1528	0
OP: OP 49	1526	0
OP: OP 50	1561	0
OP: OP 51	2973	0
OP: OP 52	3248	0
OP: OP 53	1183	0
OP: OP 54	0	0
OP: OP 55	0	0

OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

PV array 8: OP 1
No glare found

PV array 8: OP 2
No glare found

PV array 8: OP 3
No glare found

PV array 8: OP 4
No glare found

PV array 8: OP 5
No glare found

PV array 8: OP 6
No glare found

PV array 8: OP 7
No glare found

PV array 8: OP 8
No glare found

PV array 8: OP 9
No glare found

PV array 8: OP 10
No glare found

PV array 8: OP 11
No glare found

PV array 8: OP 12
No glare found

PV array 8: OP 13
No glare found

PV array 8: OP 14
No glare found

PV array 8: OP 15
No glare found

PV array 8: OP 16
No glare found

PV array 8: OP 17
No glare found

PV array 8: OP 18
No glare found

PV array 8: OP 19
No glare found

PV array 8: OP 20
No glare found

PV array 8: OP 21
No glare found

PV array 8: OP 22
No glare found

PV array 8: OP 23
No glare found

PV array 8: OP 24
No glare found

PV array 8: OP 25
No glare found

PV array 8: OP 26
No glare found

PV array 8: OP 27
No glare found

PV array 8: OP 28
No glare found

PV array 8: OP 29
No glare found

PV array 8: OP 30

No glare found

PV array 8: OP 31

No glare found

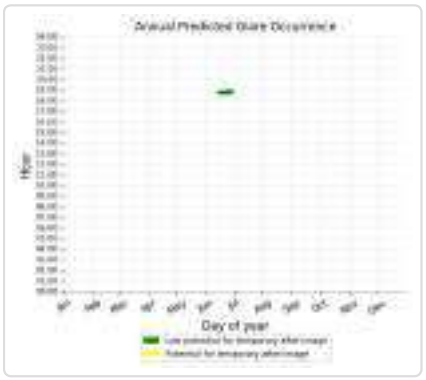
PV array 8: OP 32

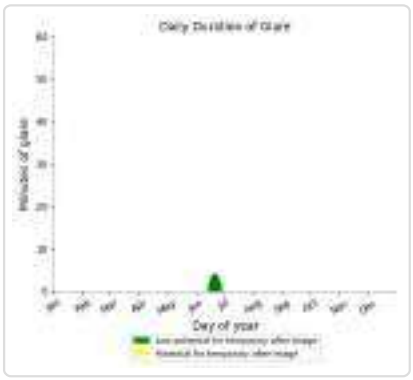
No glare found

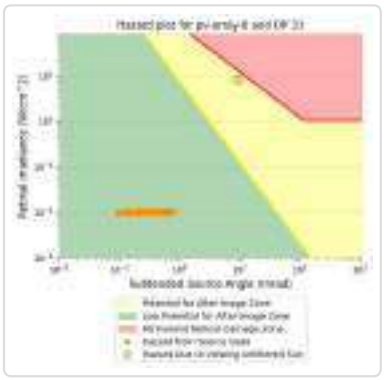
PV array 8: OP 33

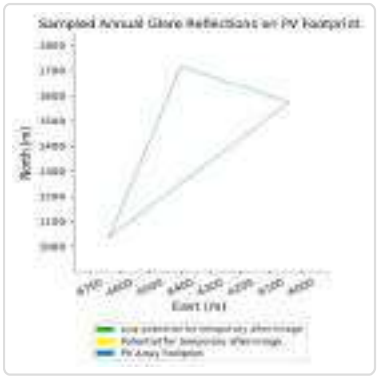
PV array is expected to produce the following glare for this receptor:

- 47 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





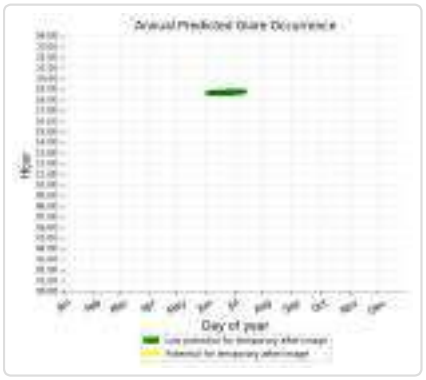


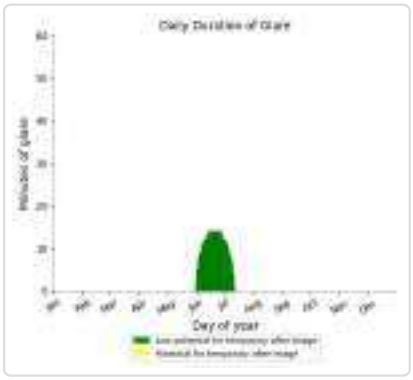


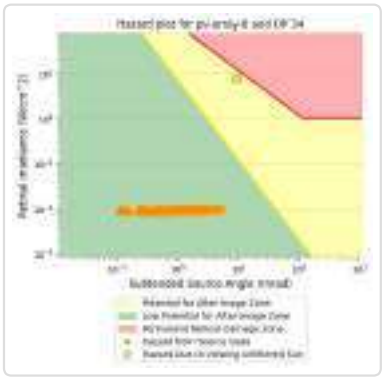
PV array 8: OP 34

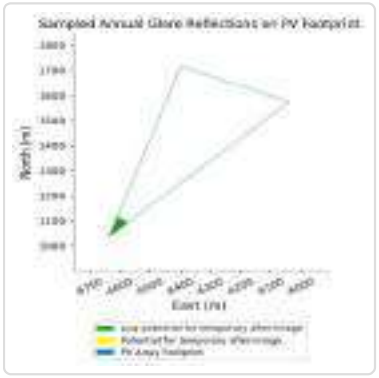
PV array is expected to produce the following glare for this receptor:

- 463 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





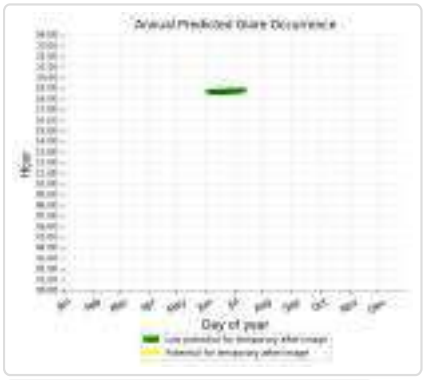


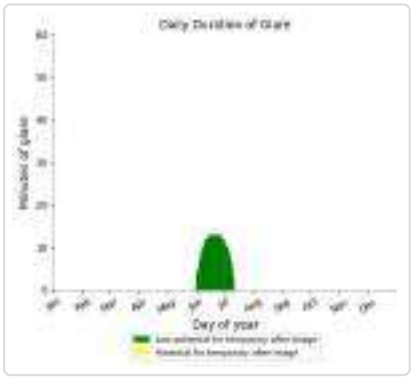


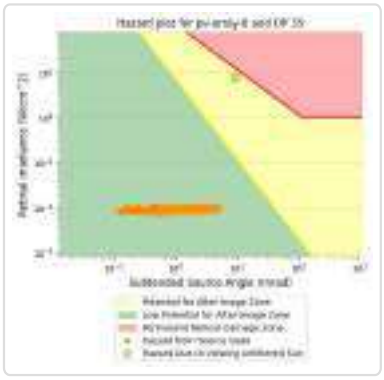
PV array 8: OP 35

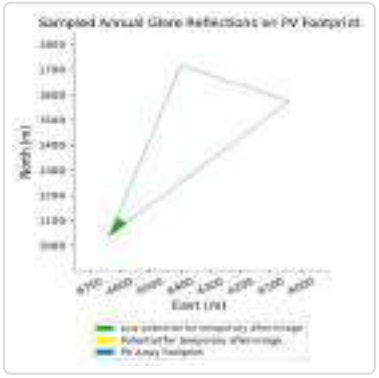
PV array is expected to produce the following glare for this receptor:

- 420 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





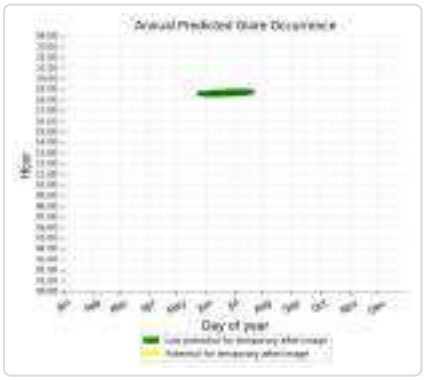


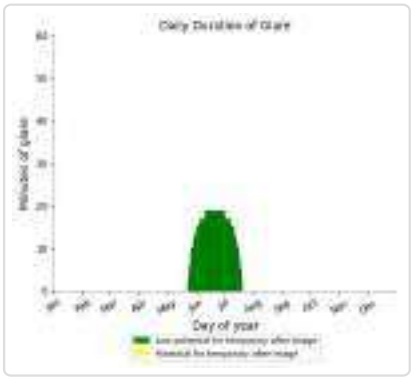


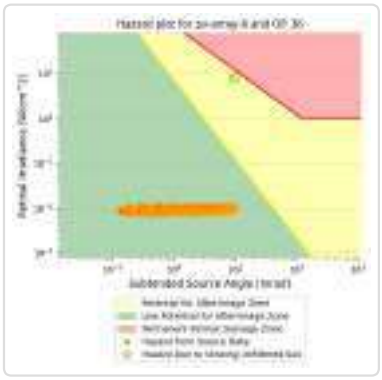
PV array 8: OP 36

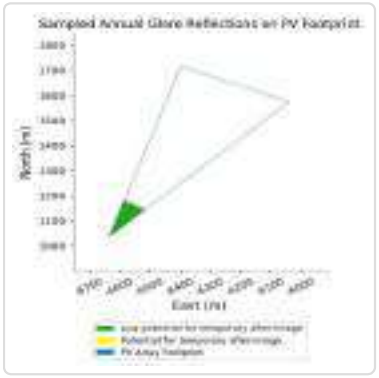
PV array is expected to produce the following glare for this receptor:

- 886 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





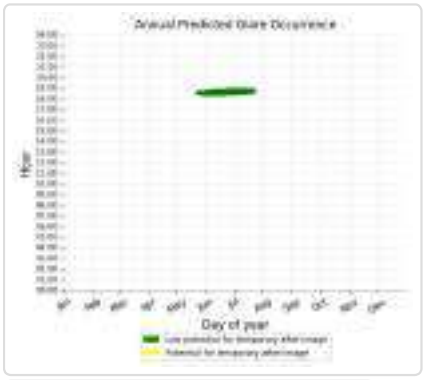


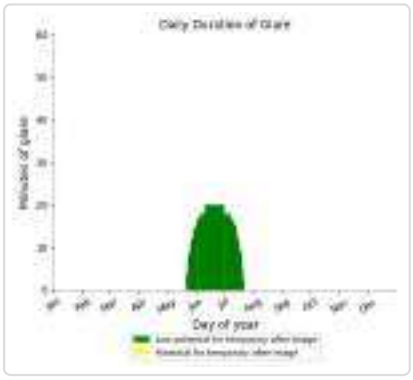


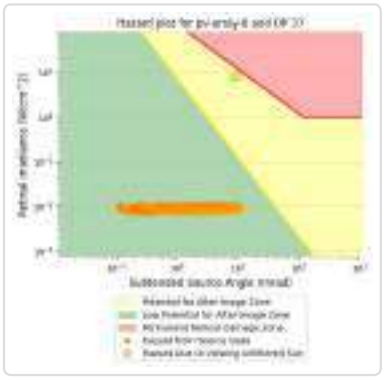
PV array 8: OP 37

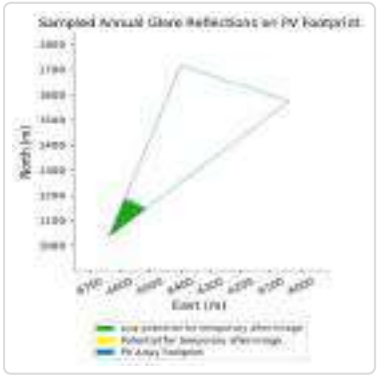
PV array is expected to produce the following glare for this receptor:

- 984 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





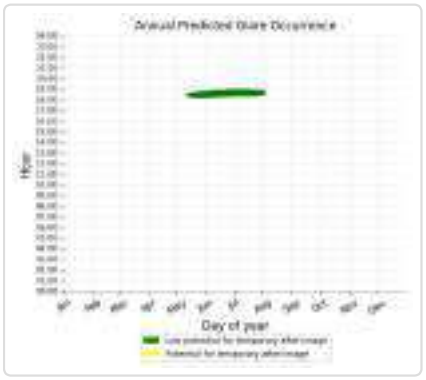


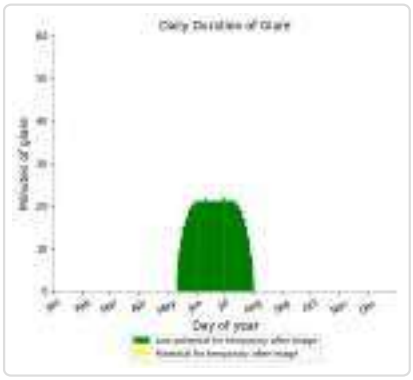


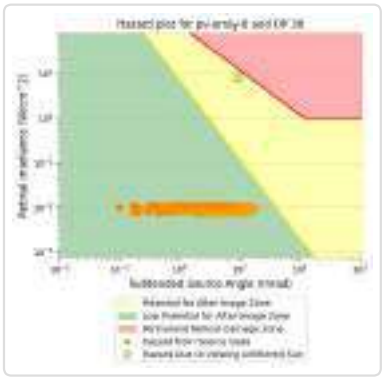
PV array 8: OP 38

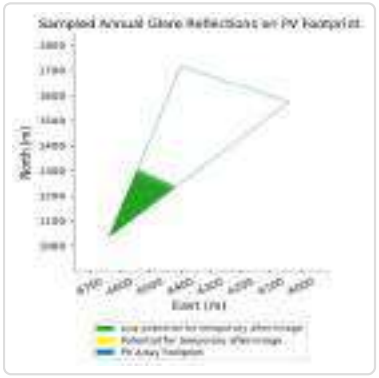
PV array is expected to produce the following glare for this receptor:

- 1,504 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





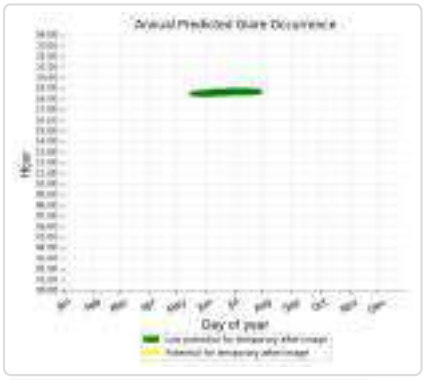


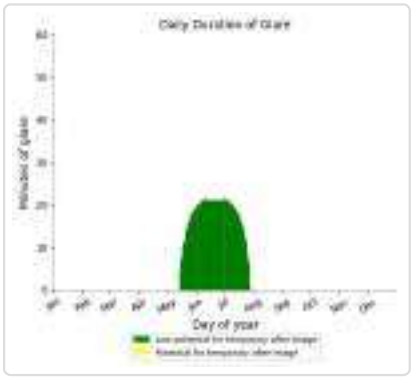


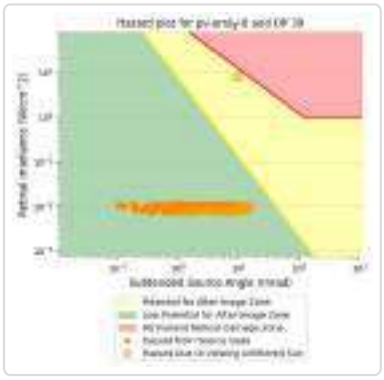
PV array 8: OP 39

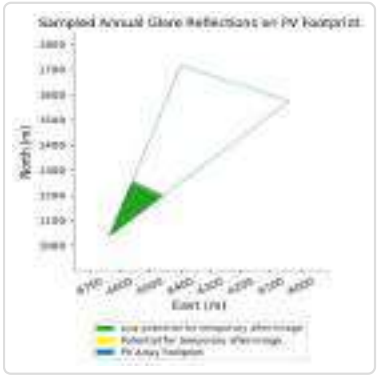
PV array is expected to produce the following glare for this receptor:

- 1,340 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





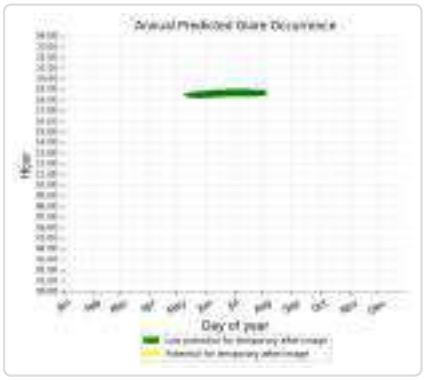


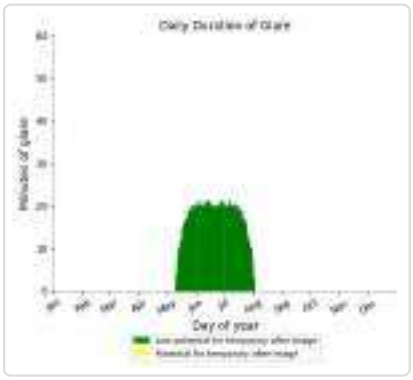


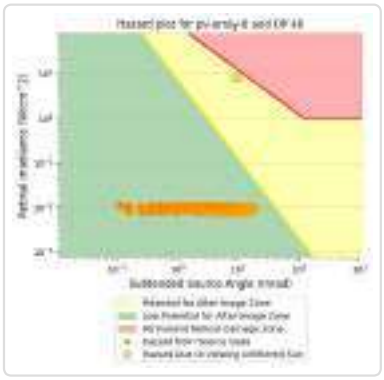
PV array 8: OP 40

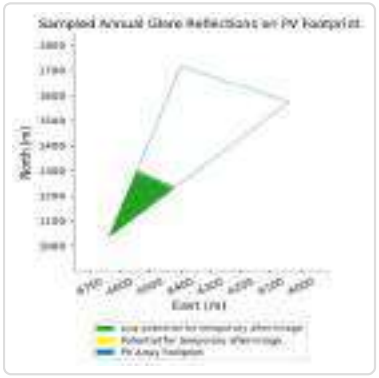
PV array is expected to produce the following glare for this receptor:

- 1,499 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





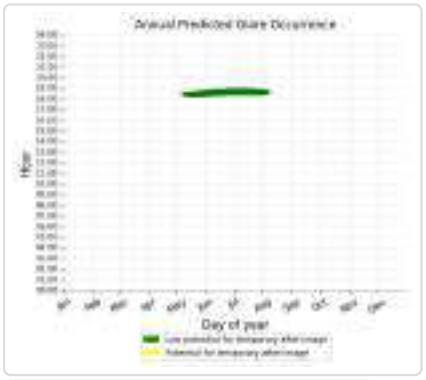


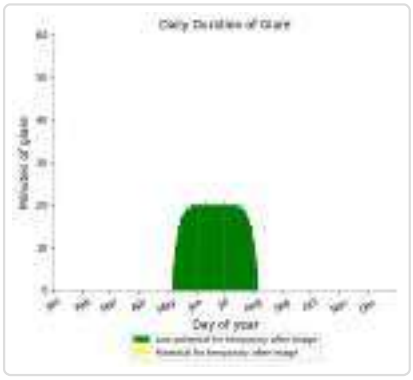


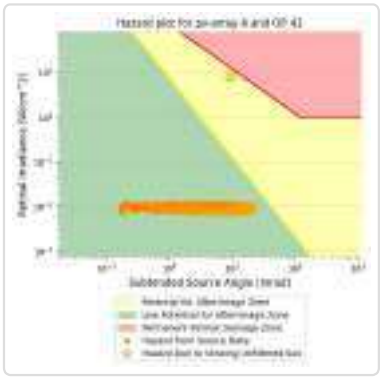
PV array 8: OP 41

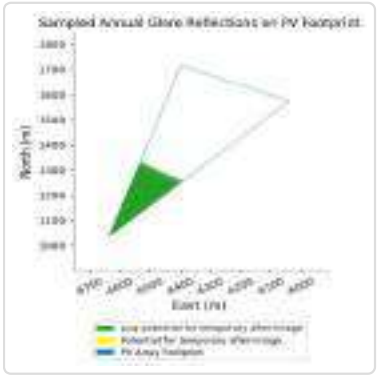
PV array is expected to produce the following glare for this receptor:

- 1,629 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





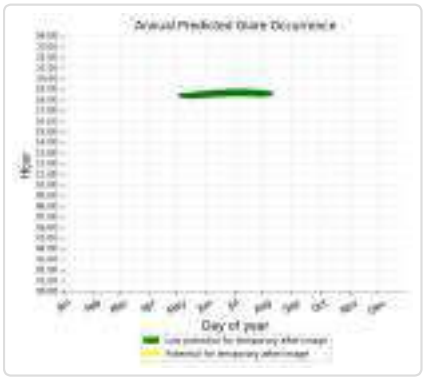


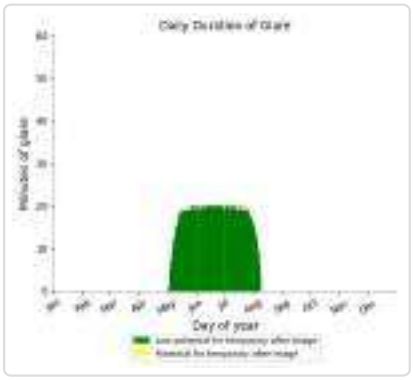


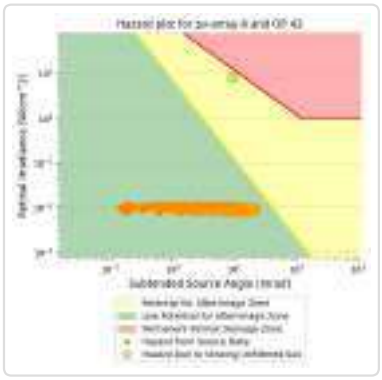
PV array 8: OP 42

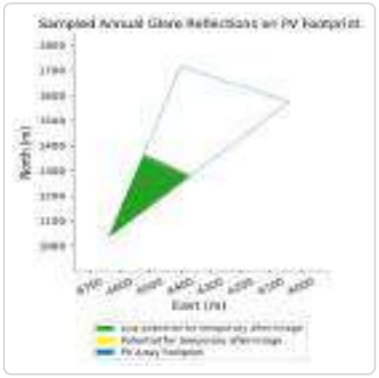
PV array is expected to produce the following glare for this receptor:

- 1,755 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





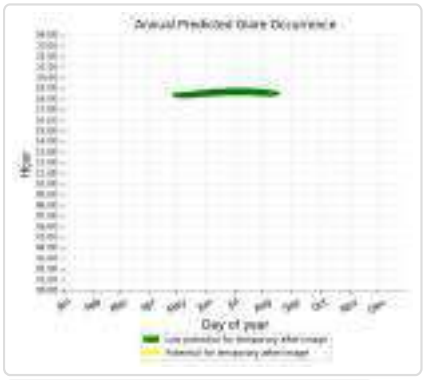


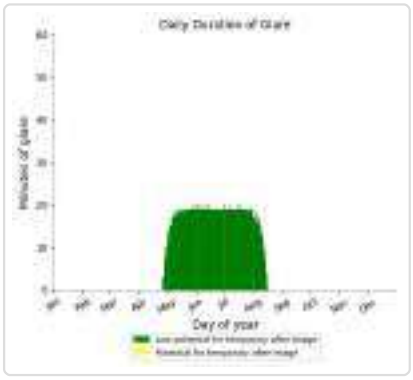


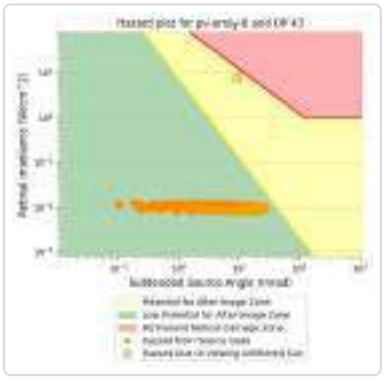
PV array 8: OP 43

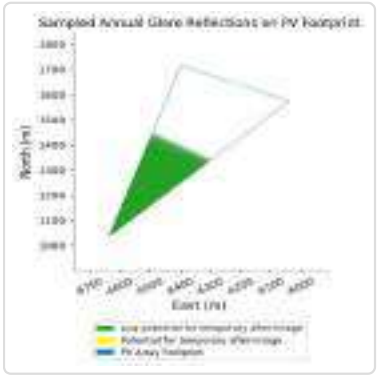
PV array is expected to produce the following glare for this receptor:

- 1,952 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





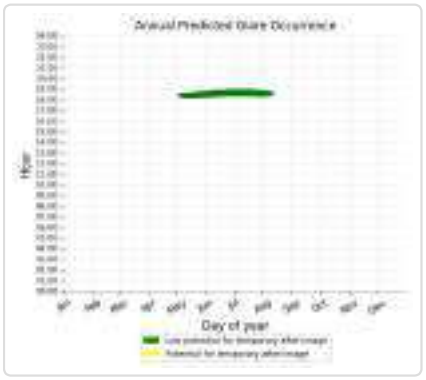


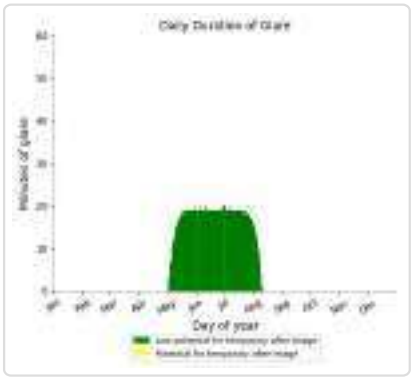


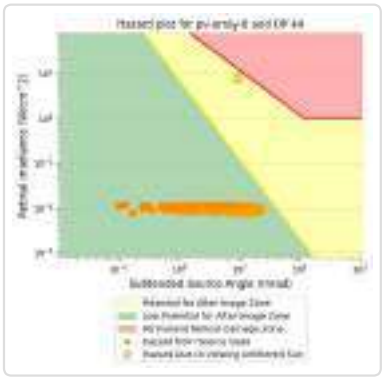
PV array 8: OP 44

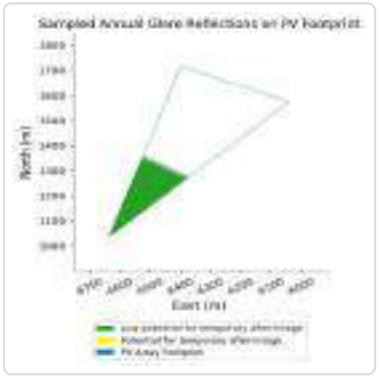
PV array is expected to produce the following glare for this receptor:

- 1,714 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





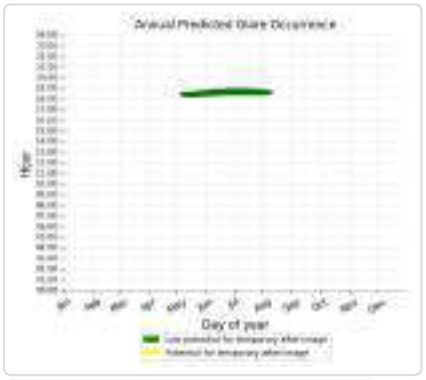


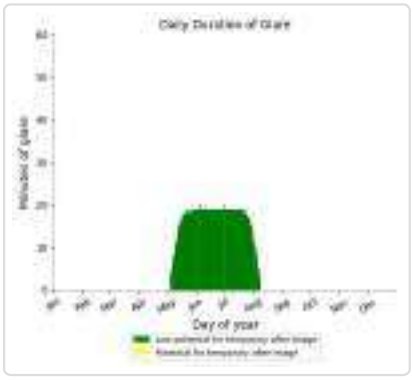


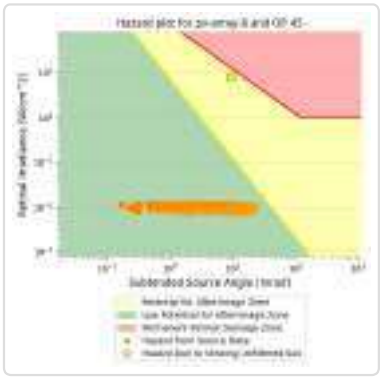
PV array 8: OP 45

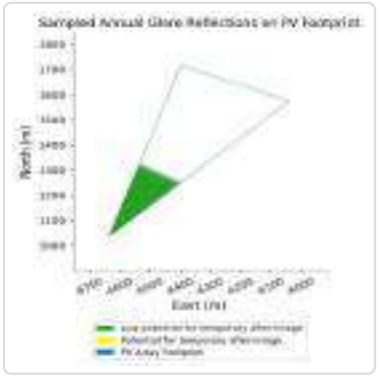
PV array is expected to produce the following glare for this receptor:

- 1,607 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





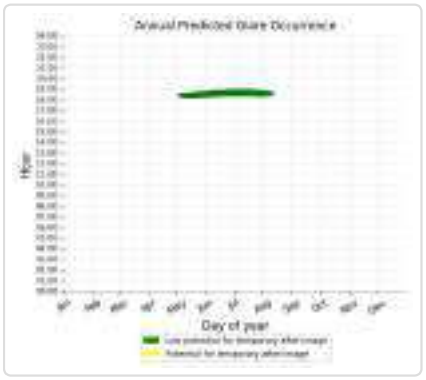


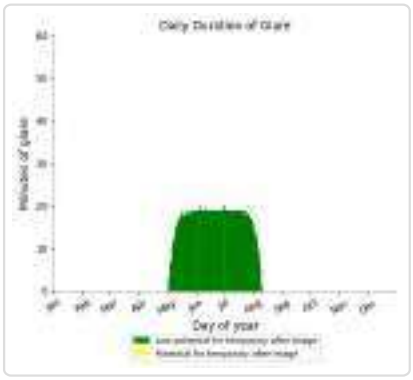


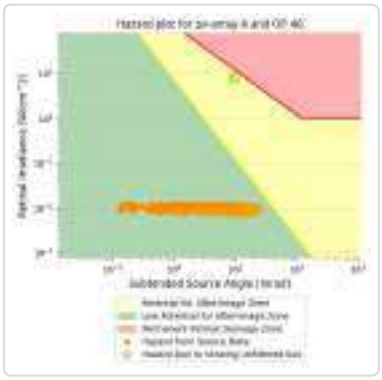
PV array 8: OP 46

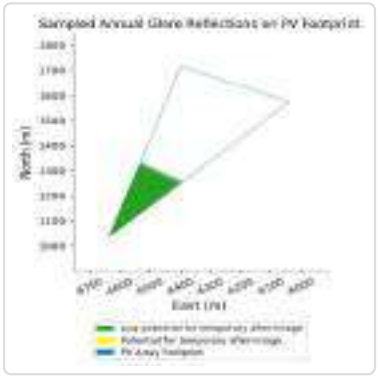
PV array is expected to produce the following glare for this receptor:

- 1,706 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





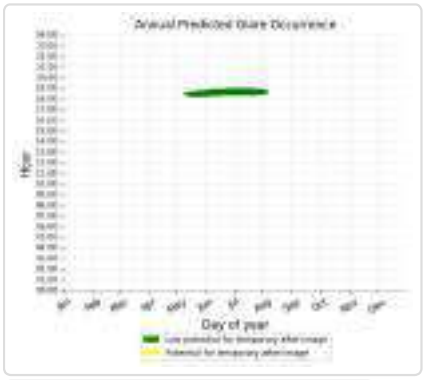


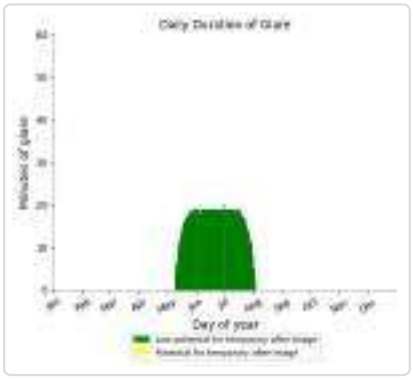


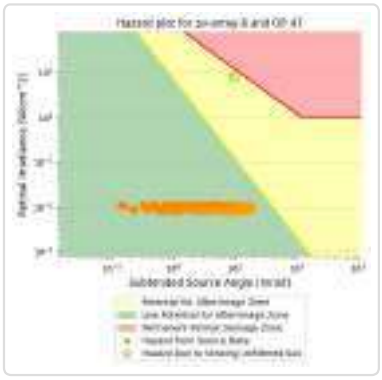
PV array 8: OP 47

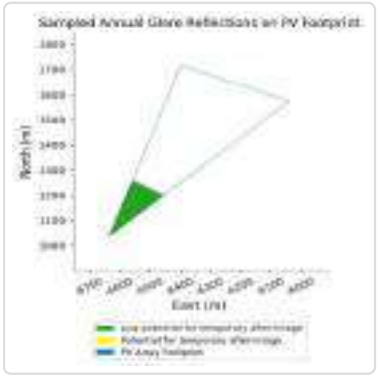
PV array is expected to produce the following glare for this receptor:

- 1,441 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





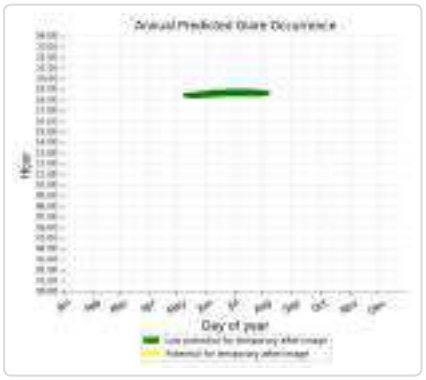


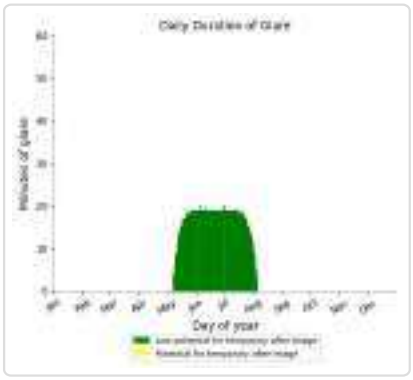


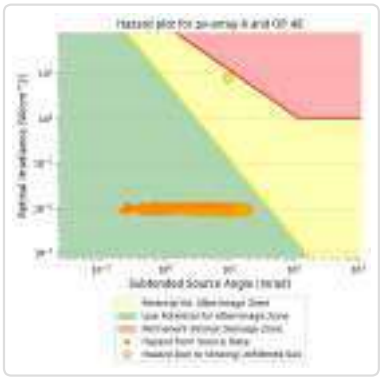
PV array 8: OP 48

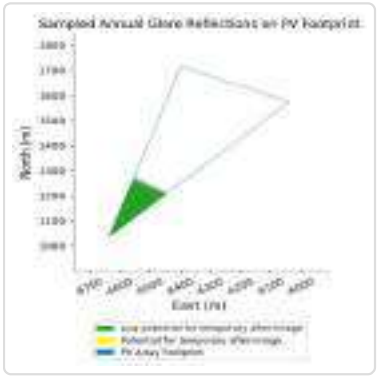
PV array is expected to produce the following glare for this receptor:

- 1,528 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





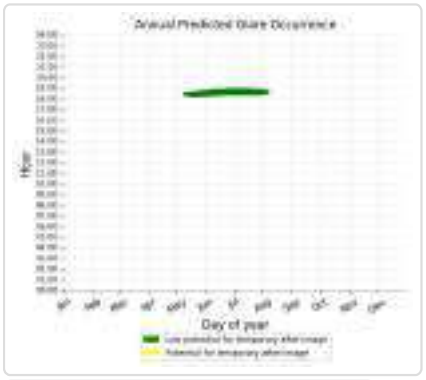


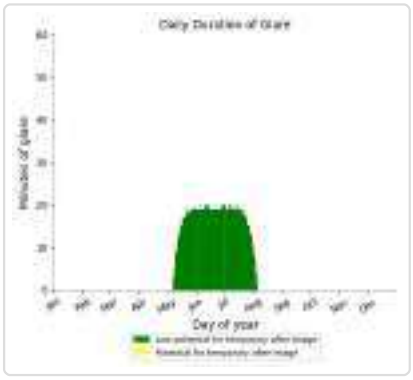


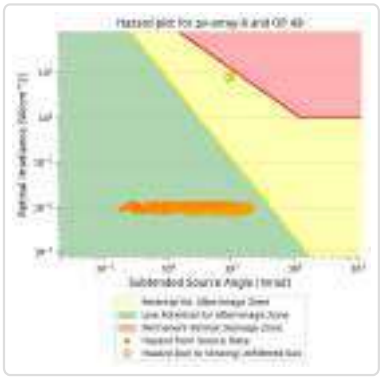
PV array 8: OP 49

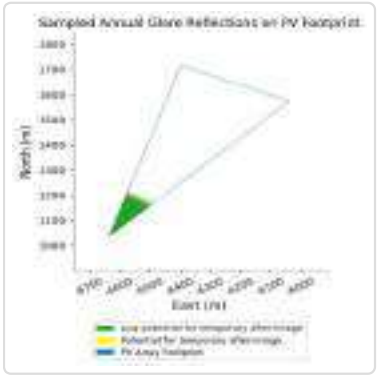
PV array is expected to produce the following glare for this receptor:

- 1,526 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





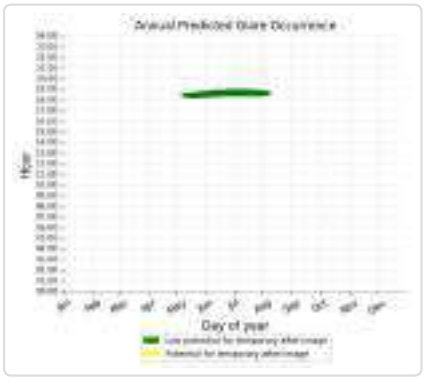


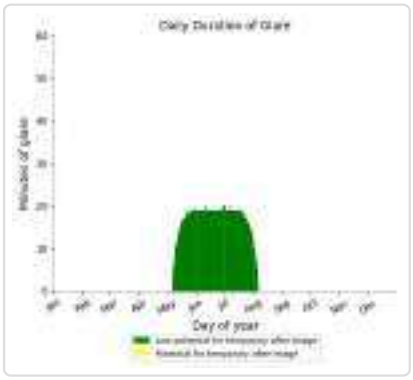


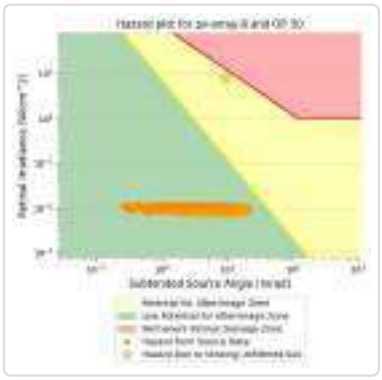
PV array 8: OP 50

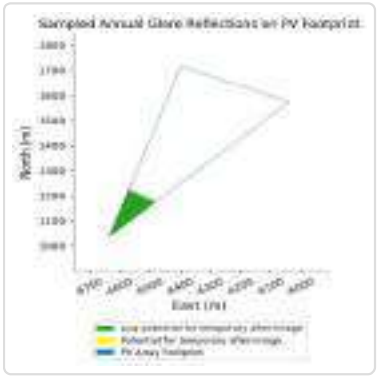
PV array is expected to produce the following glare for this receptor:

- 1,561 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





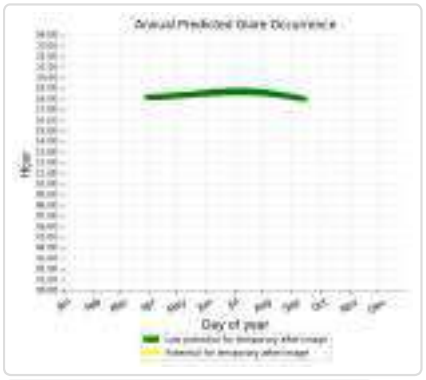


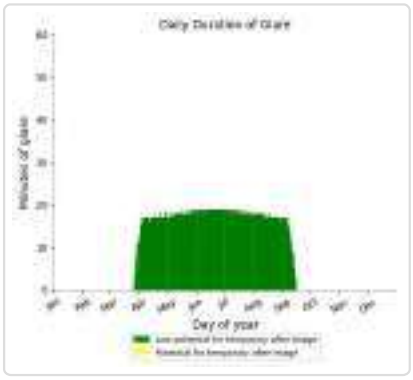


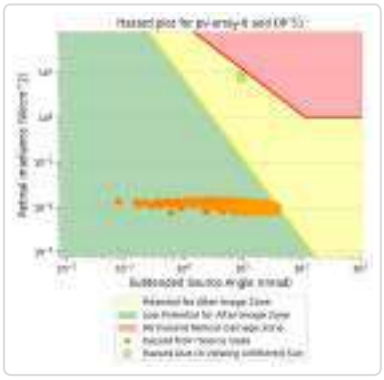
PV array 8: OP 51

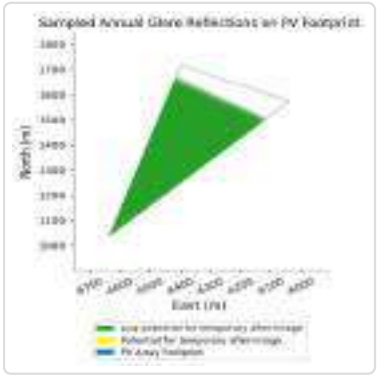
PV array is expected to produce the following glare for this receptor:

- 2,973 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





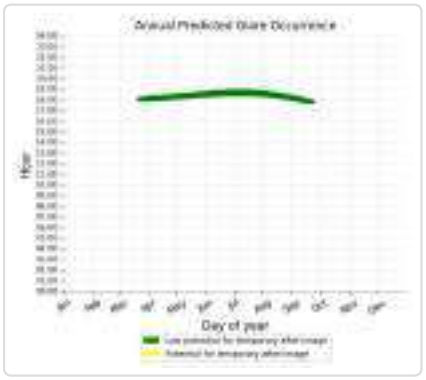


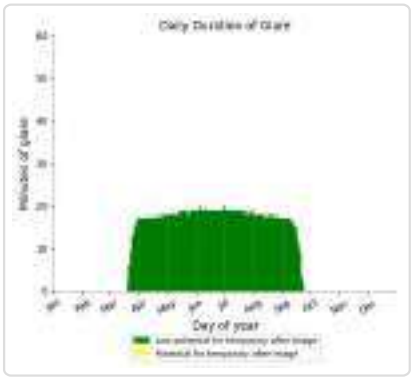


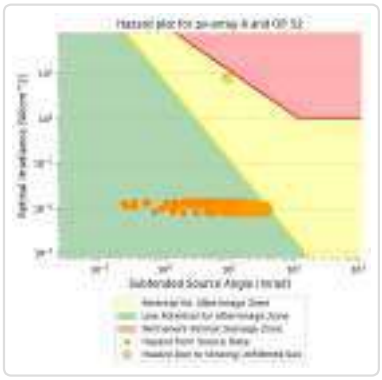
PV array 8: OP 52

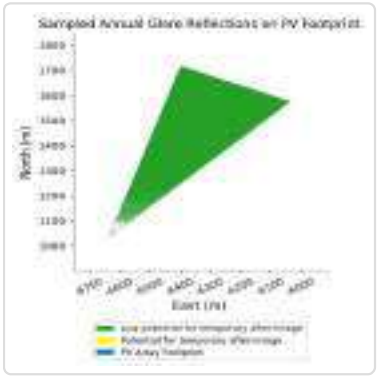
PV array is expected to produce the following glare for this receptor:

- 3,248 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





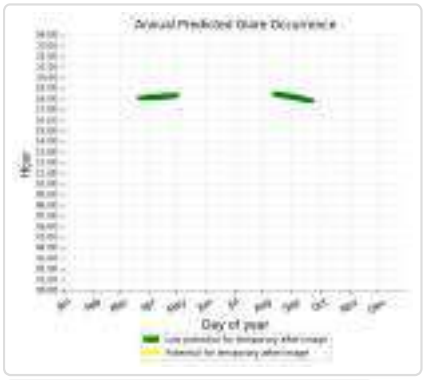


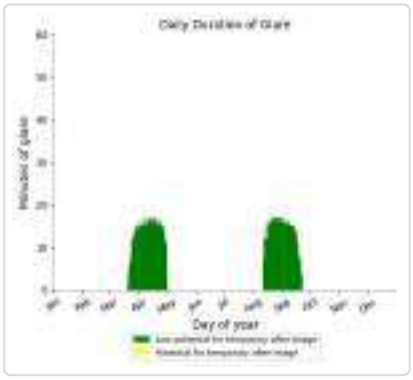


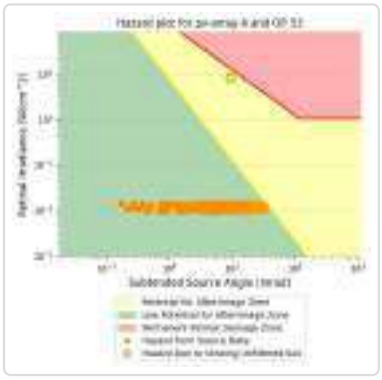
PV array 8: OP 53

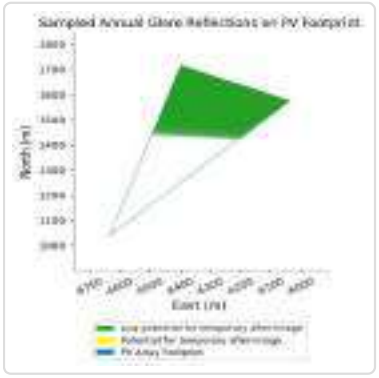
PV array is expected to produce the following glare for this receptor:

- 1,183 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 8: OP 54
No glare found

PV array 8: OP 55
No glare found

PV array 8: OP 56
No glare found

PV array 8: OP 57
No glare found

PV array 8: OP 58
No glare found

PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0

OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	46	0
OP: OP 35	16	0
OP: OP 36	269	0
OP: OP 37	427	0
OP: OP 38	999	0
OP: OP 39	657	0
OP: OP 40	985	0
OP: OP 41	1056	0
OP: OP 42	1256	0
OP: OP 43	1322	0
OP: OP 44	810	0
OP: OP 45	981	0
OP: OP 46	917	0
OP: OP 47	742	0
OP: OP 48	713	0
OP: OP 49	765	0
OP: OP 50	712	0
OP: OP 51	2042	0
OP: OP 52	1572	0
OP: OP 53	472	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0

PV array 9: OP 1

No glare found

PV array 9: OP 2

No glare found

PV array 9: OP 3

No glare found

PV array 9: OP 4

No glare found

PV array 9: OP 5

No glare found

PV array 9: OP 6

No glare found

PV array 9: OP 7
No glare found

PV array 9: OP 8
No glare found

PV array 9: OP 9
No glare found

PV array 9: OP 10
No glare found

PV array 9: OP 11
No glare found

PV array 9: OP 12
No glare found

PV array 9: OP 13
No glare found

PV array 9: OP 14
No glare found

PV array 9: OP 15
No glare found

PV array 9: OP 16
No glare found

PV array 9: OP 17
No glare found

PV array 9: OP 18
No glare found

PV array 9: OP 19
No glare found

PV array 9: OP 20
No glare found

PV array 9: OP 21
No glare found

PV array 9: OP 22
No glare found

PV array 9: OP 23
No glare found

PV array 9: OP 24
No glare found

PV array 9: OP 25
No glare found

PV array 9: OP 26
No glare found

PV array 9: OP 27
No glare found

PV array 9: OP 28
No glare found

PV array 9: OP 29
No glare found

PV array 9: OP 30
No glare found

PV array 9: OP 31
No glare found

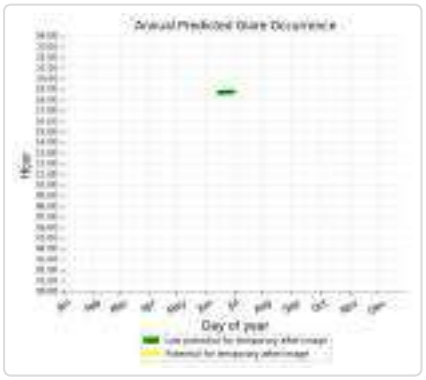
PV array 9: OP 32
No glare found

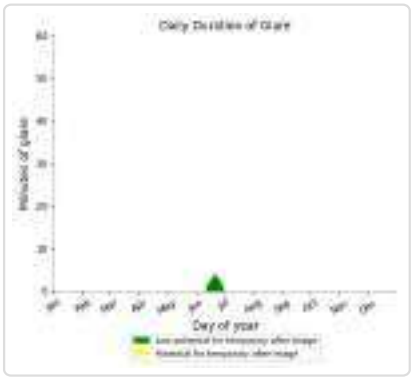
PV array 9: OP 33
No glare found

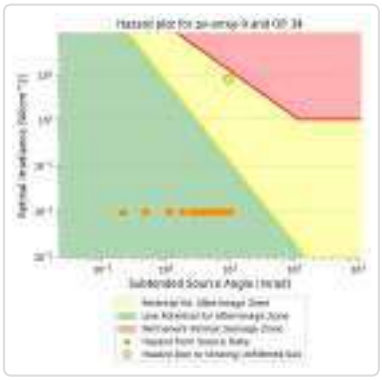
PV array 9: OP 34

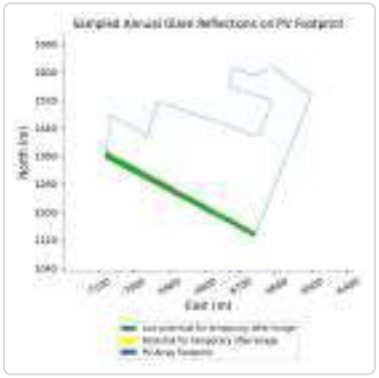
PV array is expected to produce the following glare for this receptor:

- 46 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





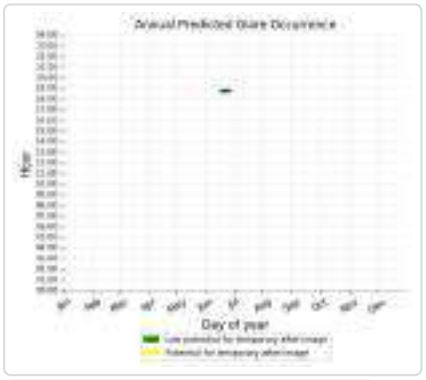


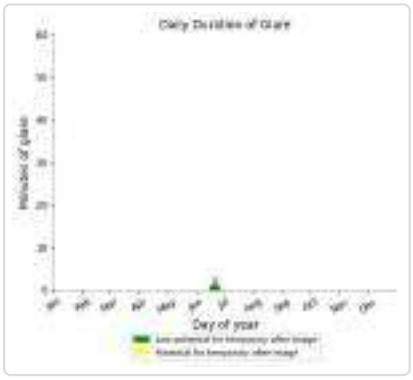


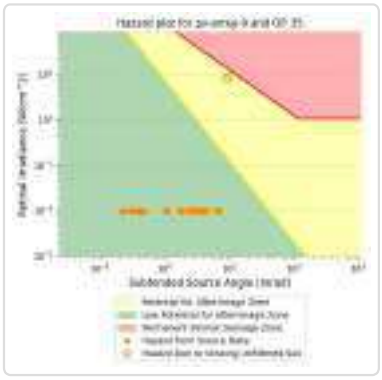
PV array 9: OP 35

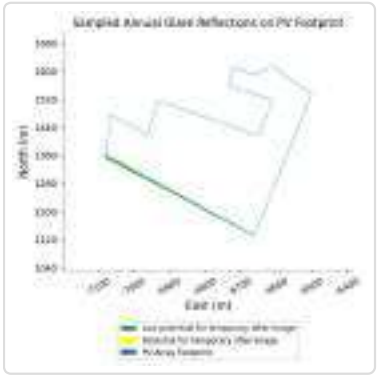
PV array is expected to produce the following glare for this receptor:

- 16 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





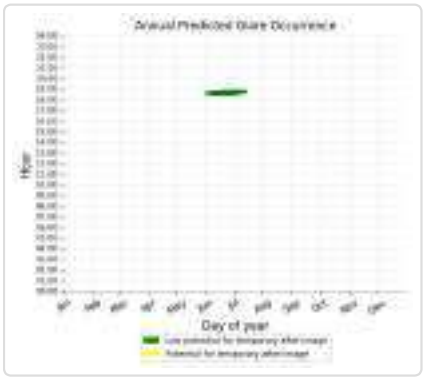


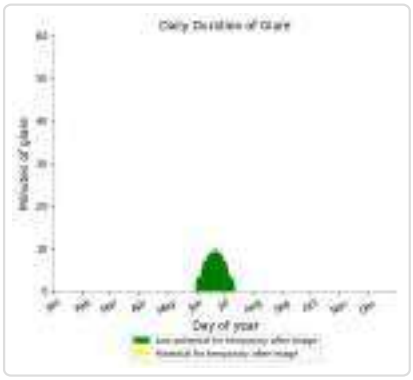


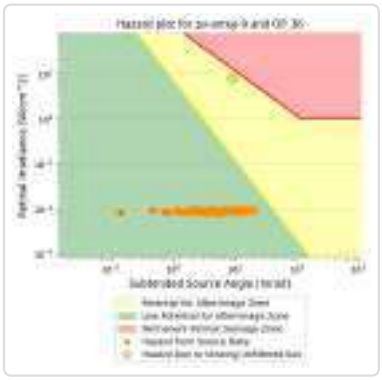
PV array 9: OP 36

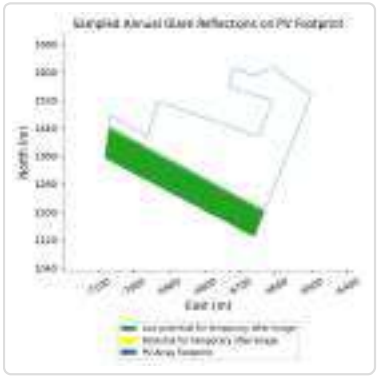
PV array is expected to produce the following glare for this receptor:

- 269 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





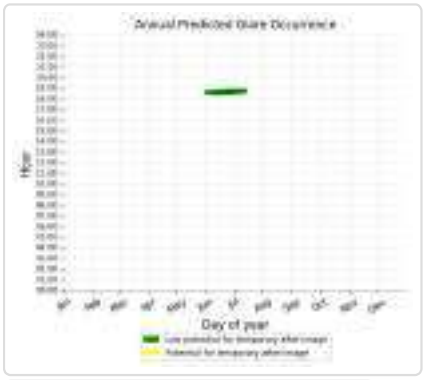


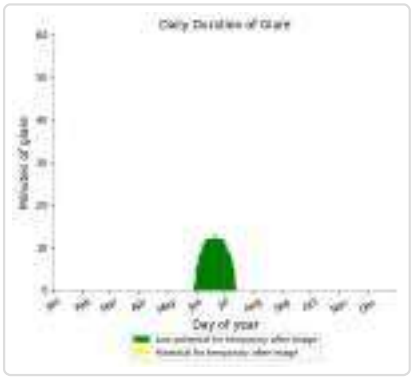


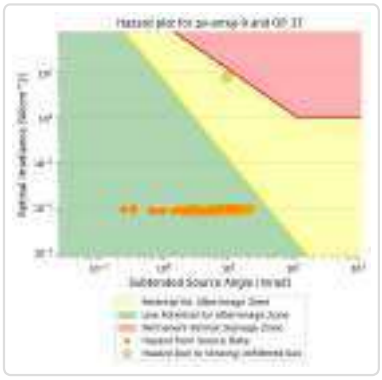
PV array 9: OP 37

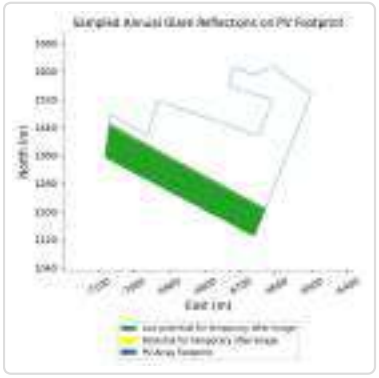
PV array is expected to produce the following glare for this receptor:

- 427 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





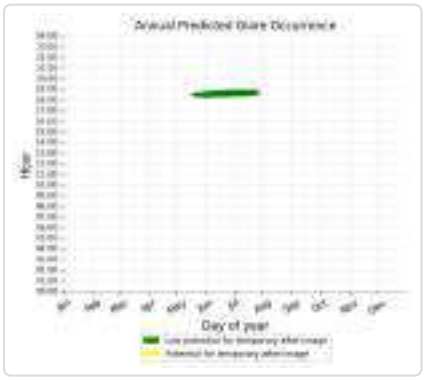


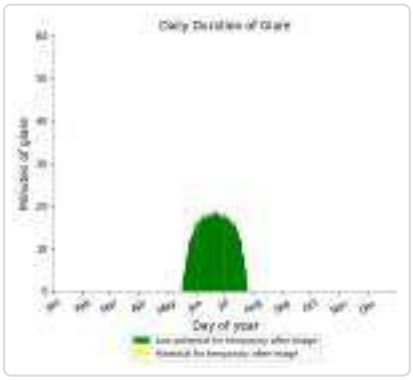


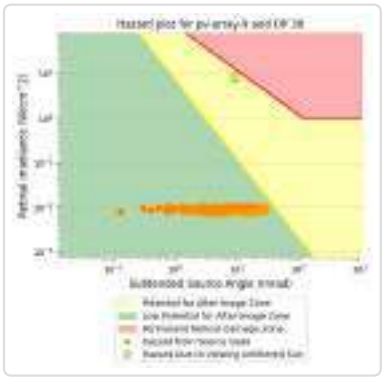
PV array 9: OP 38

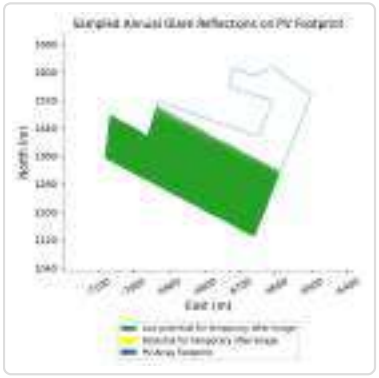
PV array is expected to produce the following glare for this receptor:

- 999 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





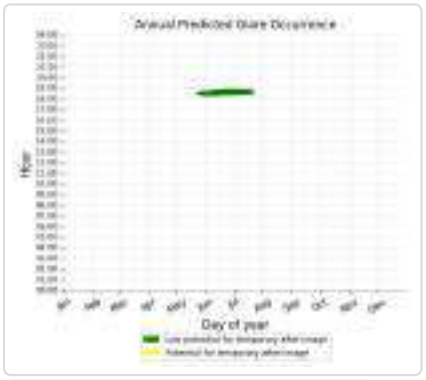


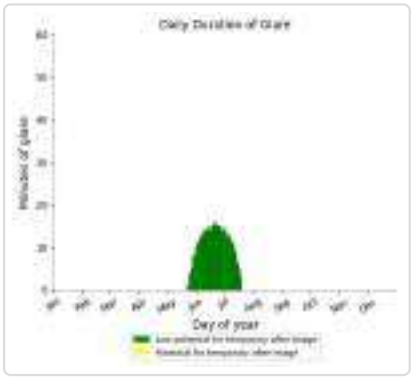


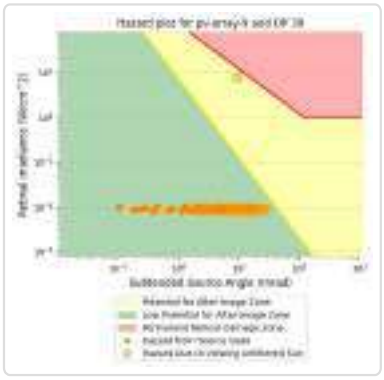
PV array 9: OP 39

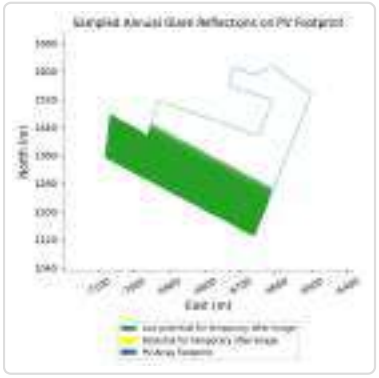
PV array is expected to produce the following glare for this receptor:

- 657 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





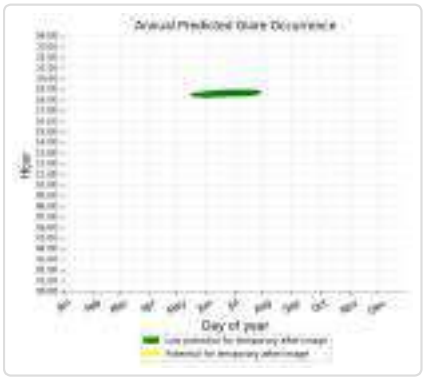


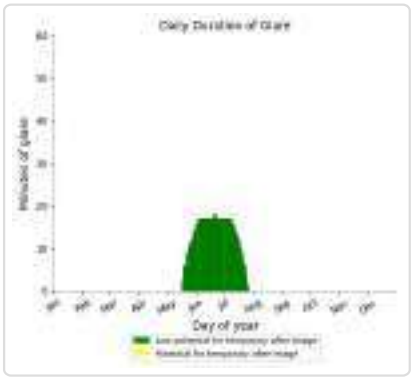


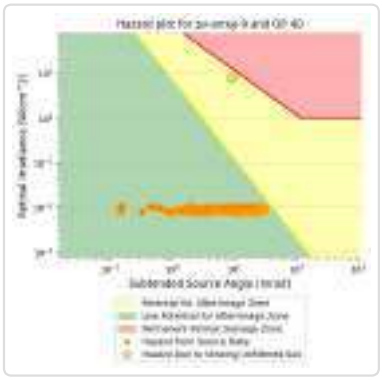
PV array 9: OP 40

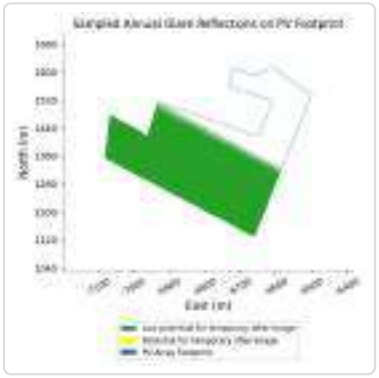
PV array is expected to produce the following glare for this receptor:

- 985 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





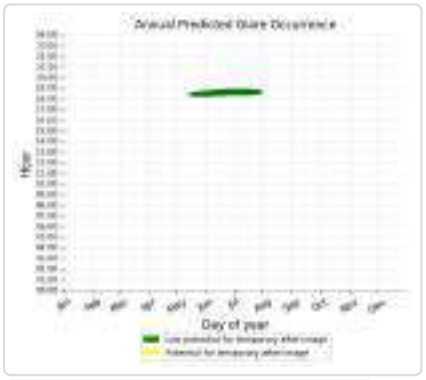


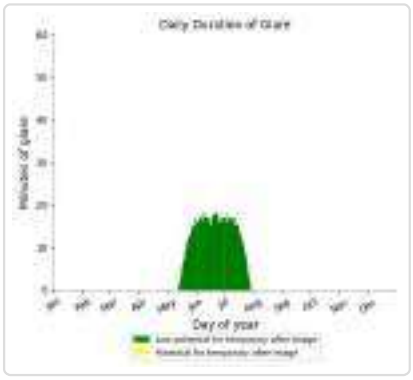


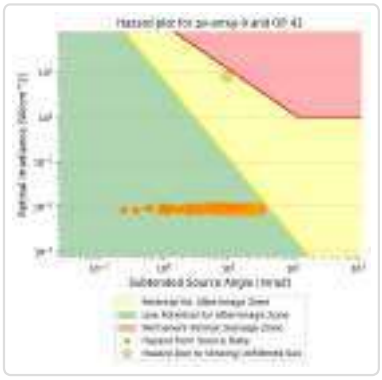
PV array 9: OP 41

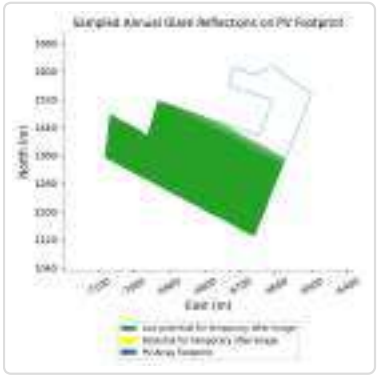
PV array is expected to produce the following glare for this receptor:

- 1,056 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





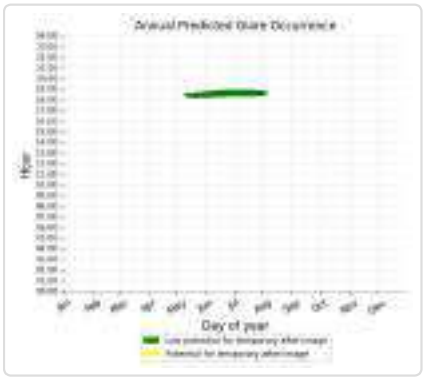


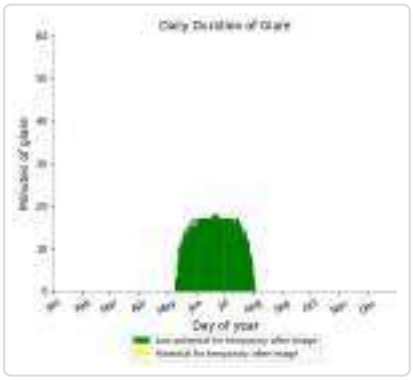


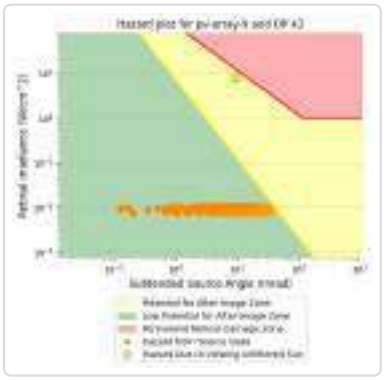
PV array 9: OP 42

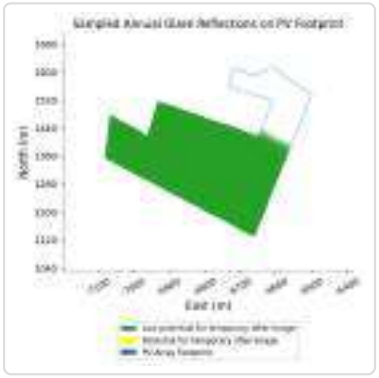
PV array is expected to produce the following glare for this receptor:

- 1,256 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





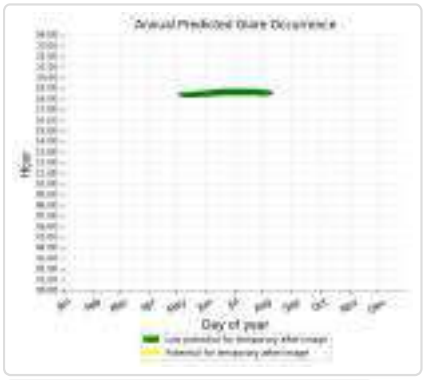


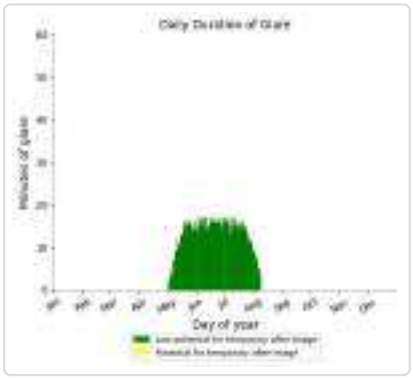


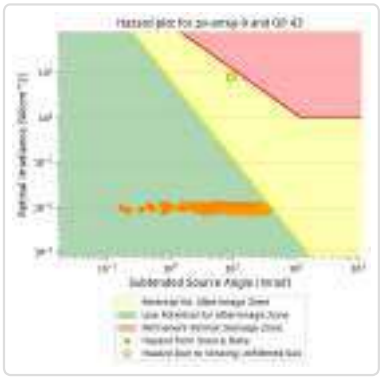
PV array 9: OP 43

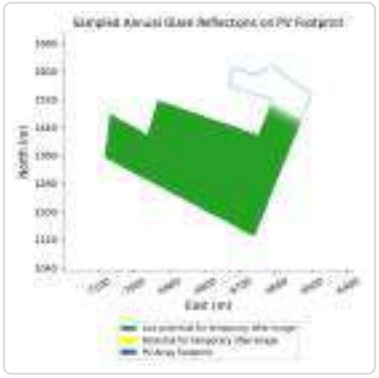
PV array is expected to produce the following glare for this receptor:

- 1,322 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





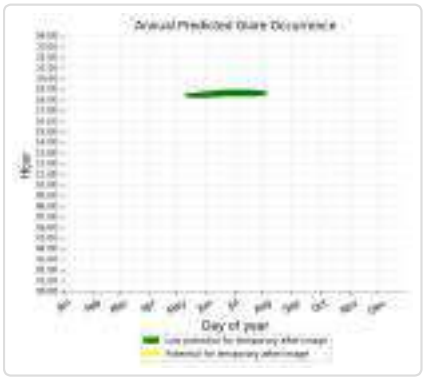


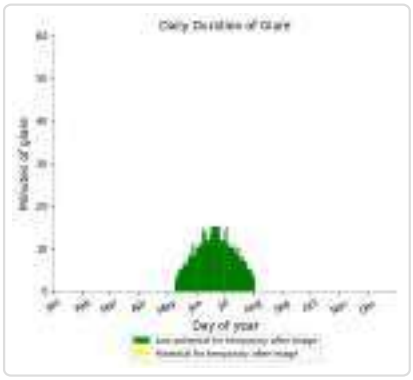


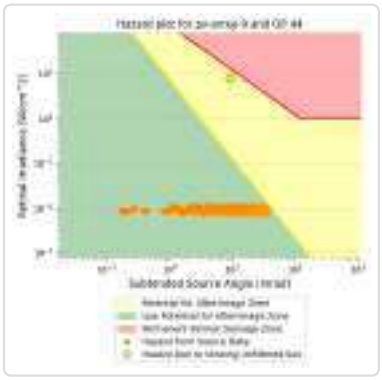
PV array 9: OP 44

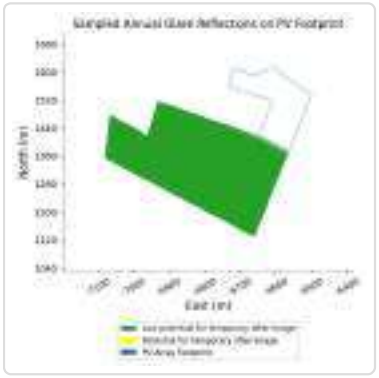
PV array is expected to produce the following glare for this receptor:

- 810 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





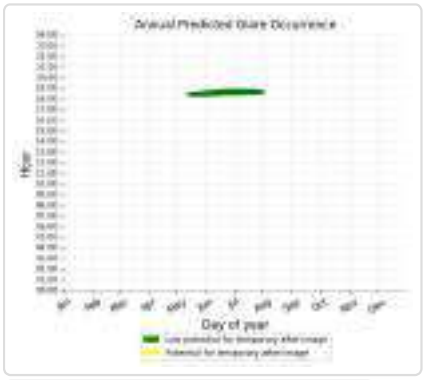


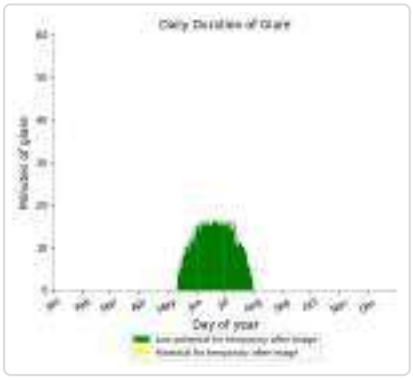


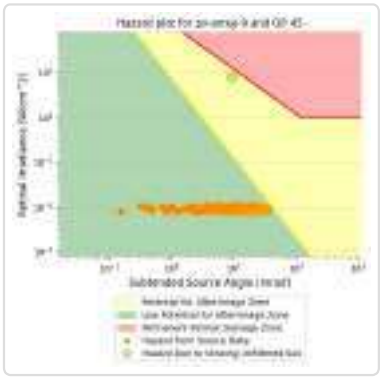
PV array 9: OP 45

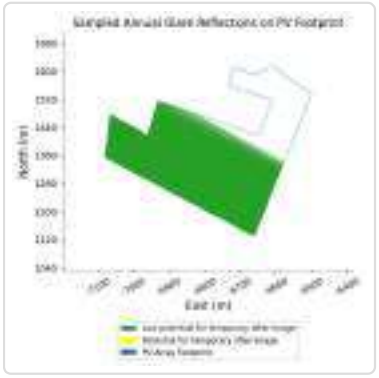
PV array is expected to produce the following glare for this receptor:

- 981 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





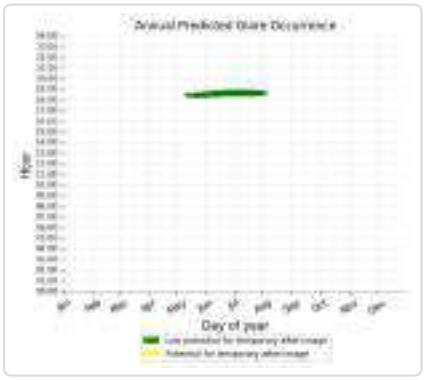


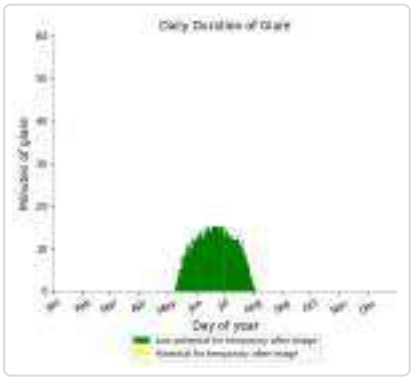


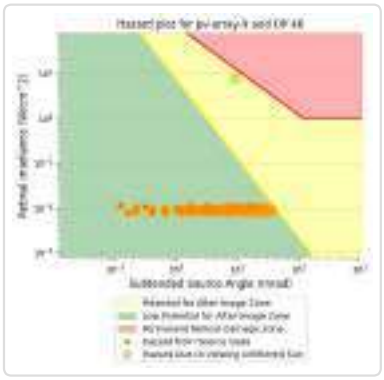
PV array 9: OP 46

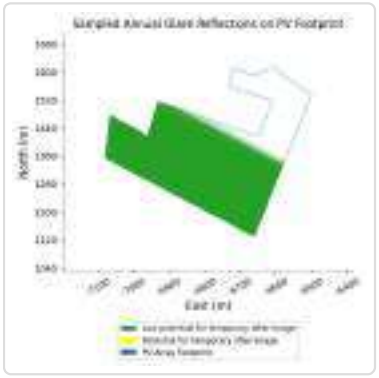
PV array is expected to produce the following glare for this receptor:

- 917 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





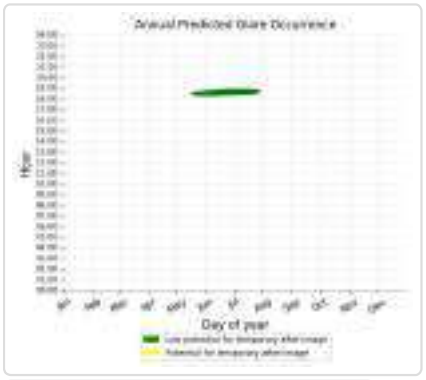


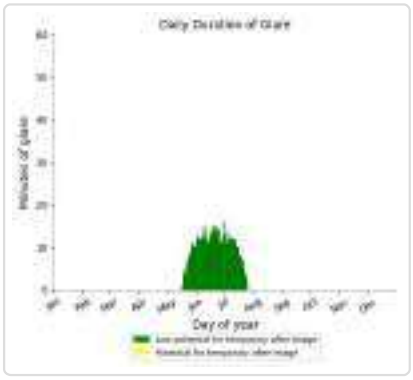


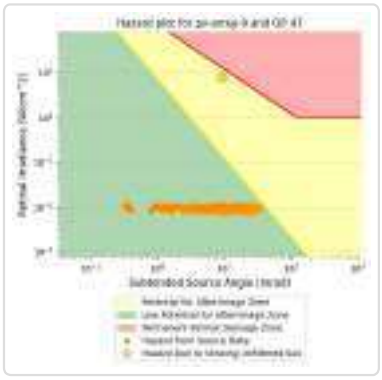
PV array 9: OP 47

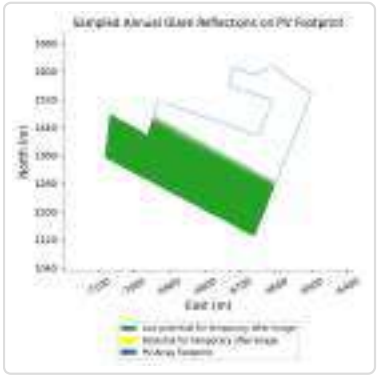
PV array is expected to produce the following glare for this receptor:

- 742 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





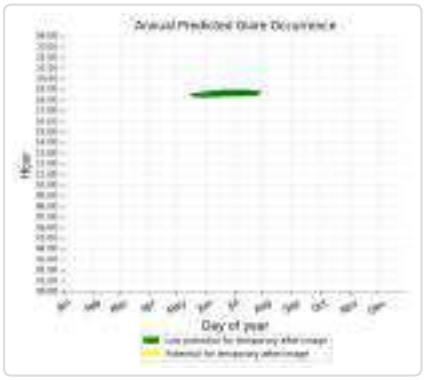


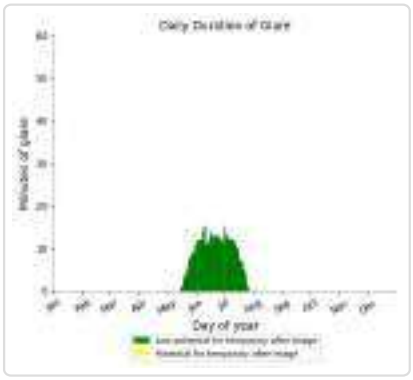


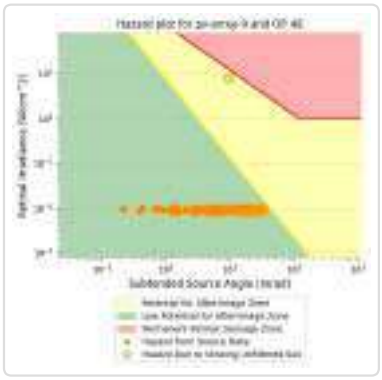
PV array 9: OP 48

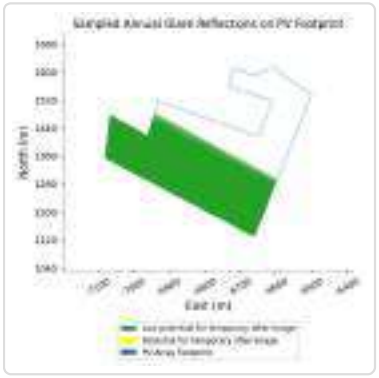
PV array is expected to produce the following glare for this receptor:

- 713 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





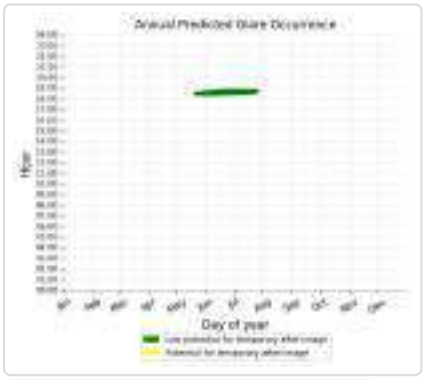


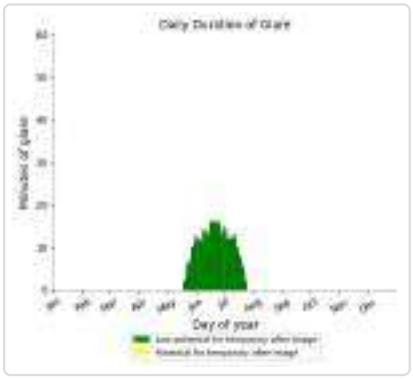


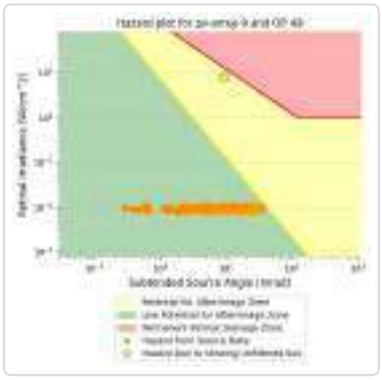
PV array 9: OP 49

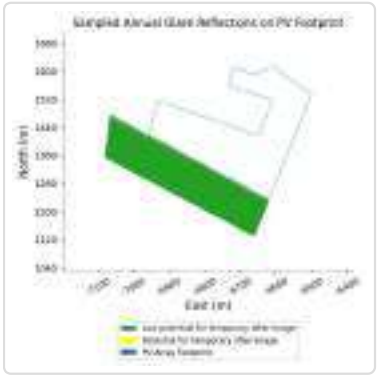
PV array is expected to produce the following glare for this receptor:

- 765 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





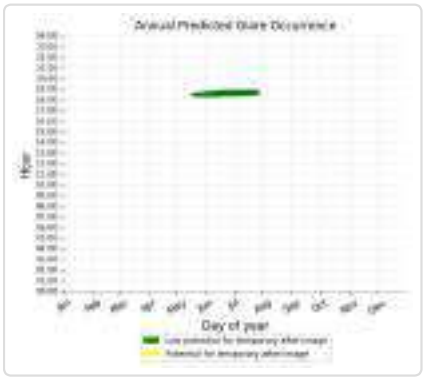


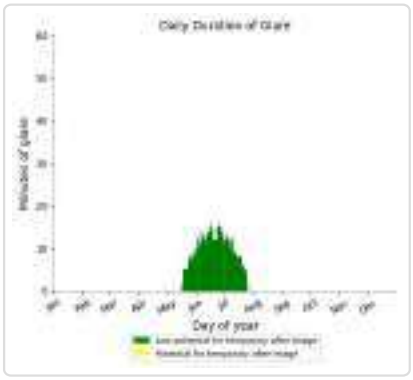


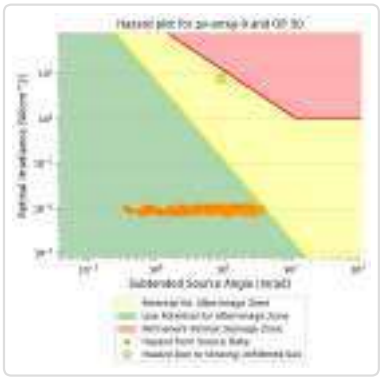
PV array 9: OP 50

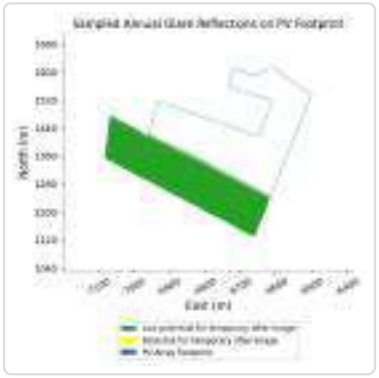
PV array is expected to produce the following glare for this receptor:

- 712 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





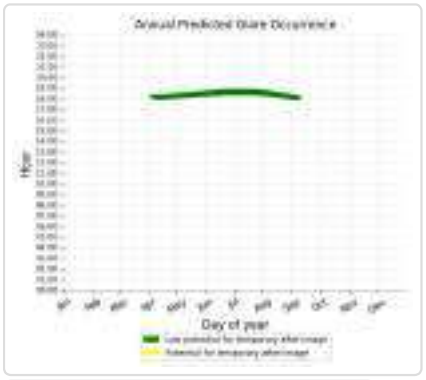


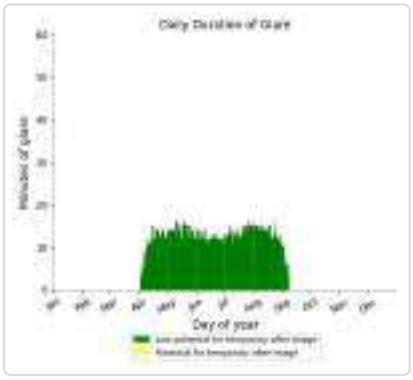


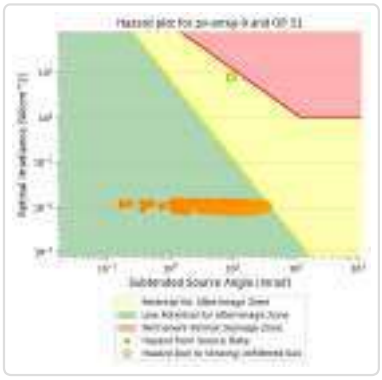
PV array 9: OP 51

PV array is expected to produce the following glare for this receptor:

- 2,042 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



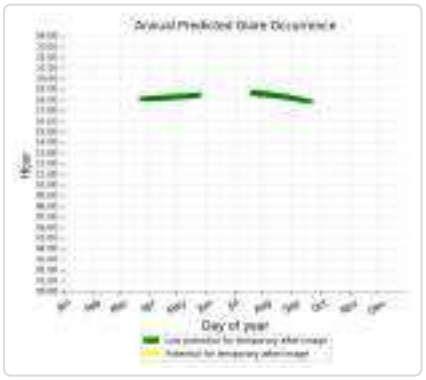


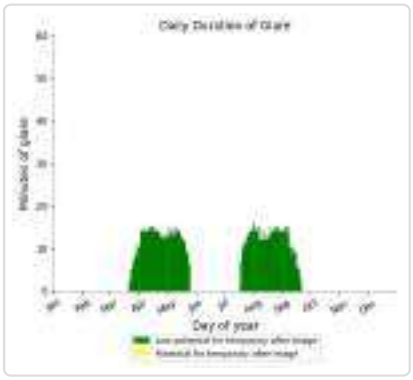


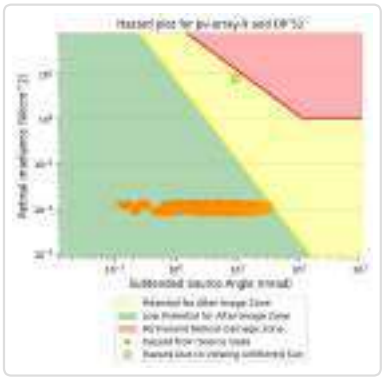
PV array 9: OP 52

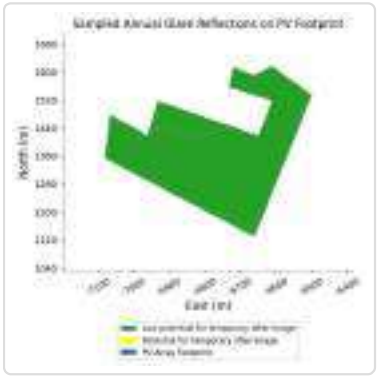
PV array is expected to produce the following glare for this receptor:

- 1,572 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





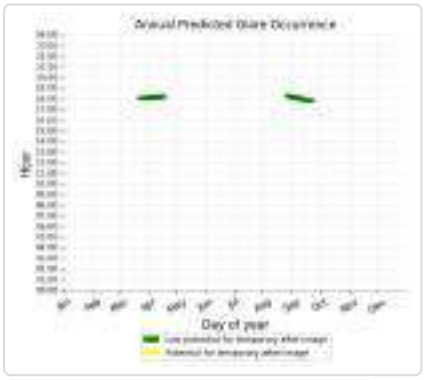


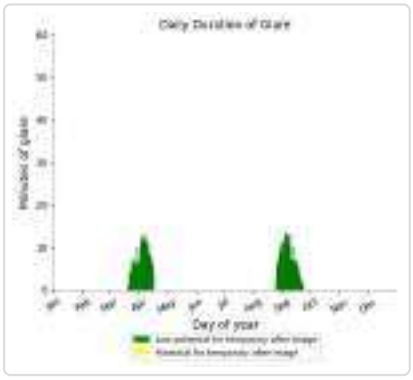


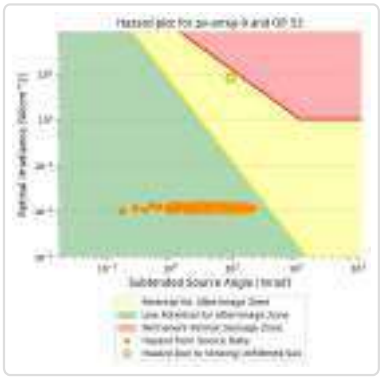
PV array 9: OP 53

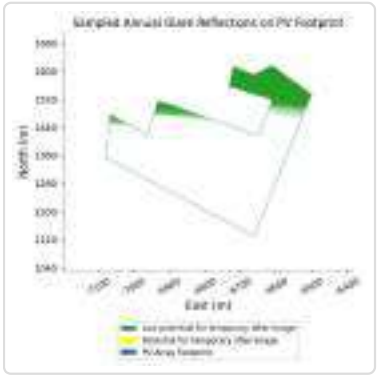
PV array is expected to produce the following glare for this receptor:

- 472 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 9: OP 54

No glare found

PV array 9: OP 55

No glare found

PV array 9: OP 56

No glare found

PV array 9: OP 57

No glare found

PV array 9: OP 58

No glare found

Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographi obstructions.
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for larg PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, nc discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.