

DATE: 16/05/2024

DESIGNER: James Duffin BA (Hons) IEng MILP

ENERVEO

PROJECT No: EVO20024963-RC-001-A

PROJECT NAME: Lower Acre Private Footpaths & Parking Areas

Lower Acre Private Footpaths

Lighting Class - P5

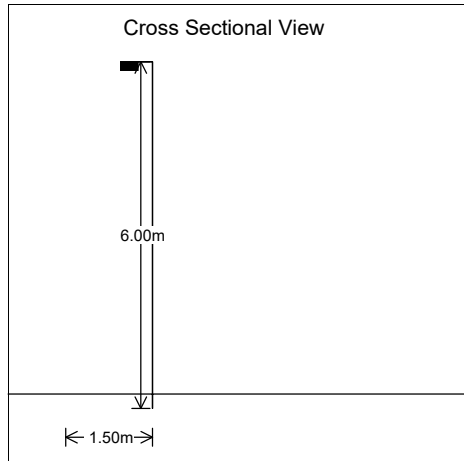
Lantern - Urbis Schreder Axia 3.1
Colour Temperature - 2700K
Maintenance Factor - 0.85

Roadway Lighting Report

PREPARED BY: James Duffin BA (Hons) IEng MILP
Senior Lighting Designer
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Roadway Report Summary

Layout



Road Data

Calculation Grid	2015:EN13201 Illuminance
Width (m)	1.50
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	1.50
Right Footpath(m)	0.00

Main Lighting

Column Data

Configuration	Single Sided Right
Spacing (m)	35.00
Height (m)	6.00
Tilt (deg)	0.00
Setback (m)	0.00
Outreach (m)	0.40
Overhang (m)	0.40

Luminaire Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5296 Integrated lenses Rear louvers 8 OSLO SQUARE G
Lamp(s)	8 OSLO SQUARE GIANT@300mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	1.13 WW 2700K/70
File Name	AXIA 3.1 5296 8 OSLO SQUARE GIANT 300mA WW 727 8.4W 457602 Integrated ...
Maintenance Factor	0.85
Lum. Int. Class	G3

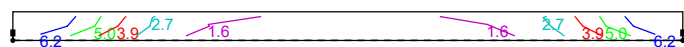
Results

Main

Complies with P5

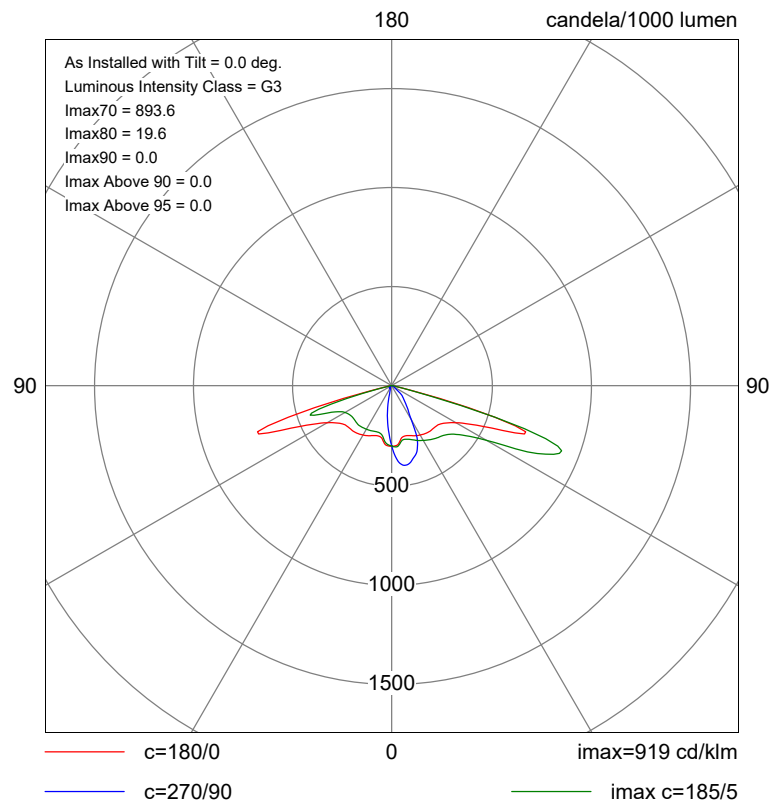
Eav	3.03
Emin	1.04
E _{max}	7.86
E _{min} /E _{max}	0.13
E _{min} /E _{av}	0.34

Horizontal Illuminance (lux)

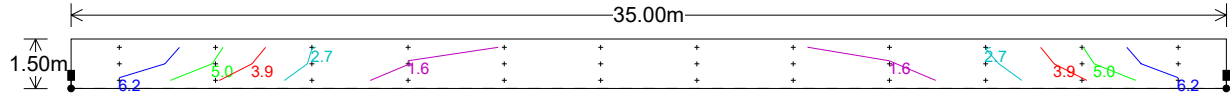


Polar Diagram

Main Luminaire AXIA 3.1 5296 Integrated lenses Rear louvers 8 OSLON SQUARE G



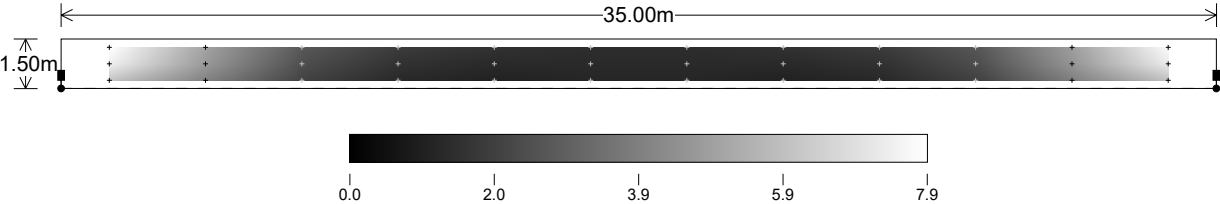
Horizontal Illuminance (lux)



Main Results

Eav	3.03
Emin	1.04
E _{max}	7.86
Emin/E _{max}	0.13
Emin/Eav	0.34

Horizontal Illuminance (lux)



Horizontal Illuminance (lux)

