

DATE: 30/09/2022
DESIGNER: James Duffin BA (Hons) IEng MILP
PROJECT No: EVO20010723-RC-007-A
PROJECT NAME: Lower Acre Parcel 1.1, OHH

ENERVEO

Parcel 1.1 - Adoptable Footpaths
One Horton Heath

Road Lighting Class - P5

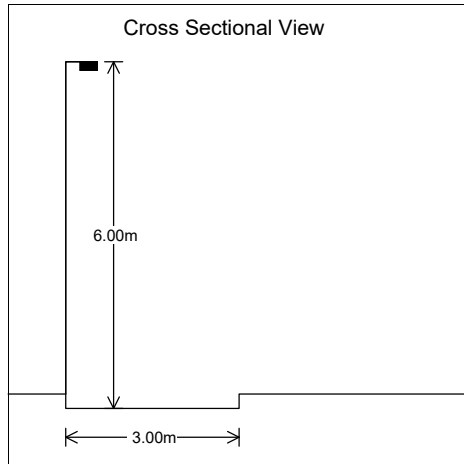
Lantern - Urbis Schreder Axia 3.1
Colour Temperature - 3000K
Maintenance Factor - 0.85

Roadway Lighting Report

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

Layout



Road Data

Calculation Grid	2015:EN13201 Illuminance
Width (m)	3.00
No. of Lanes	1
Road Surface	C2
Q0	0.07
Left Footpath(m)	0.00
Right Footpath(m)	0.00

Main Lighting

Column Data

Configuration	Single Sided Left
Spacing (m)	39.00
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 OSLON SQUARE G
Lamp(s)	8 OSLON SQUARE GIANT@300mA WW 730 230V 01-37-041
LampFlux(klm)/Colour	0.82 WW 3000K/70
File Name	AXIA 3.1 5296 8 OSLON SQUARE GIANT 300mA WW 730 8.4W 457602 Integrated ...
Maintenance Factor	0.85
Lum. Int. Class	G3



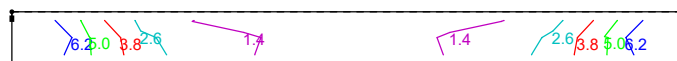
Results

Main

Complies with P5

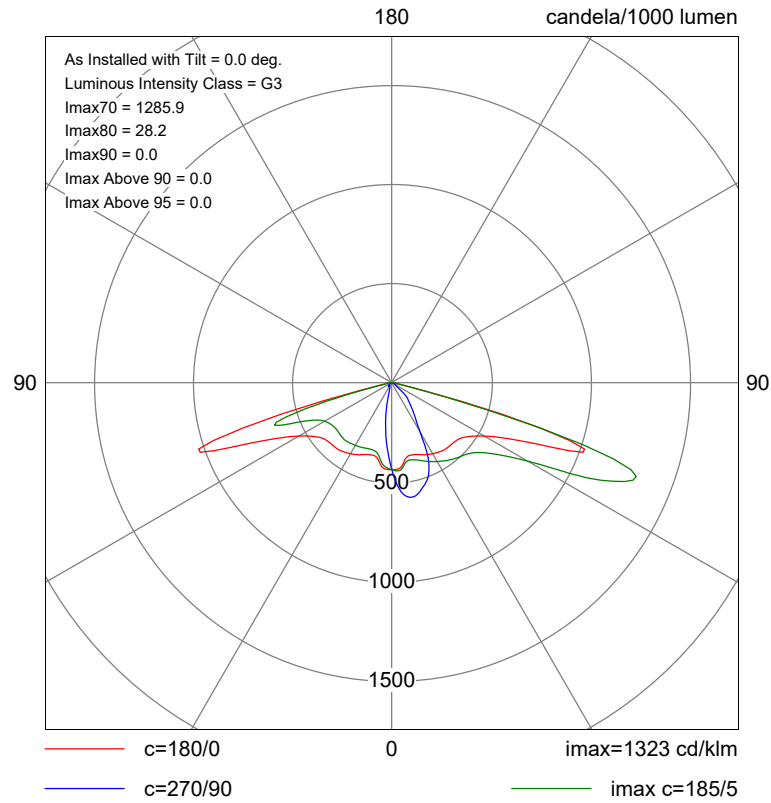
Eav	3.00
Emin	0.79
E _{max}	8.06
E _{min} /E _{max}	0.10
E _{min} /E _{av}	0.26
TI(%)	24.32

Horizontal Illuminance (lux)

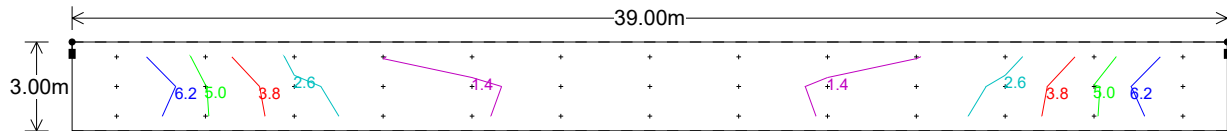


Polar Diagram

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



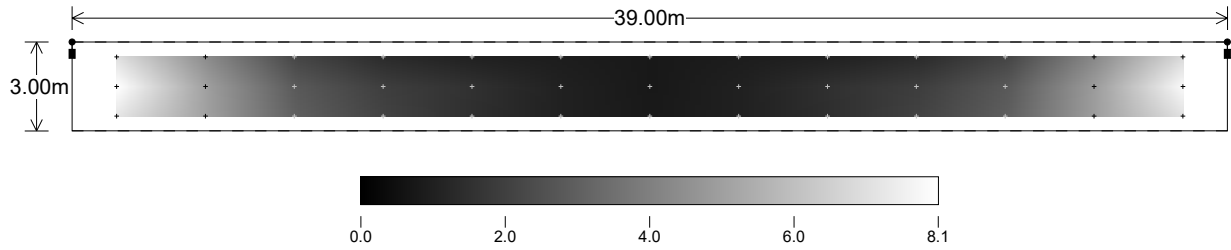
Horizontal Illuminance (lux)



Main Results

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