

DATE: 30/09/2022
DESIGNER: James Duffin BA (Hons) IEng MILP
PROJECT No: EVO20010723-RC-002-A
PROJECT NAME: Lower Acre Parcel 1.1, OHH

ENERVEO

Parcel 1.1 - Adoptable Roads
One Horton Heath

Road Lighting Class - P4

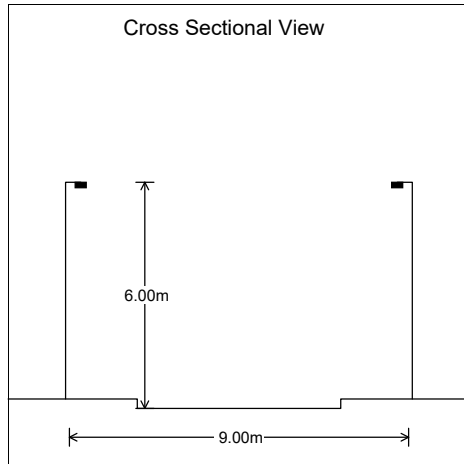
Lantern - Urbis Schreder Axia 3.1
Colour Temperature - 3000K
Maintenance Factor - 0.85

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)	9.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	1.80
Right Footpath(m)	1.80

Main Lighting

Column Data

Configuration	Staggered
Spacing (m)	31.00
Height (m)	6.00
Tilt (deg)	0.00
Left Setback (m)	1.90
Left Outreach (m)	0.40
Left Overhang (m)	-1.50
Right Setback (m)	1.90
Right Outreach (m)	0.40
Right Overhang (m)	-1.50

Luminaire Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5295 Integrated lenses Rear louvers 8 OSLON SQUARE G
Lamp(s)	8 OSLON SQUARE GIANT@850mA WW 730 230V 00-53-394
LampFlux(klm)/Colour	1.94 WW 3000K/70
File Name	AXIA 3.1 5295 8 OSLON SQUARE GIANT 850mA WW 730 22.8W 457592 Integrated...
Maintenance Factor	0.85
Lum. Int. Class	G3

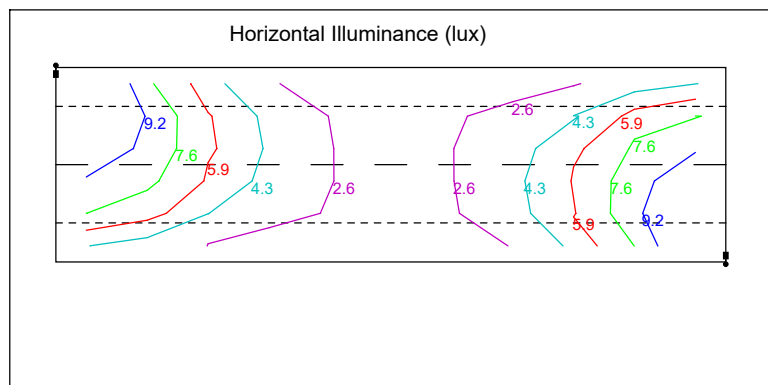


Results

Main

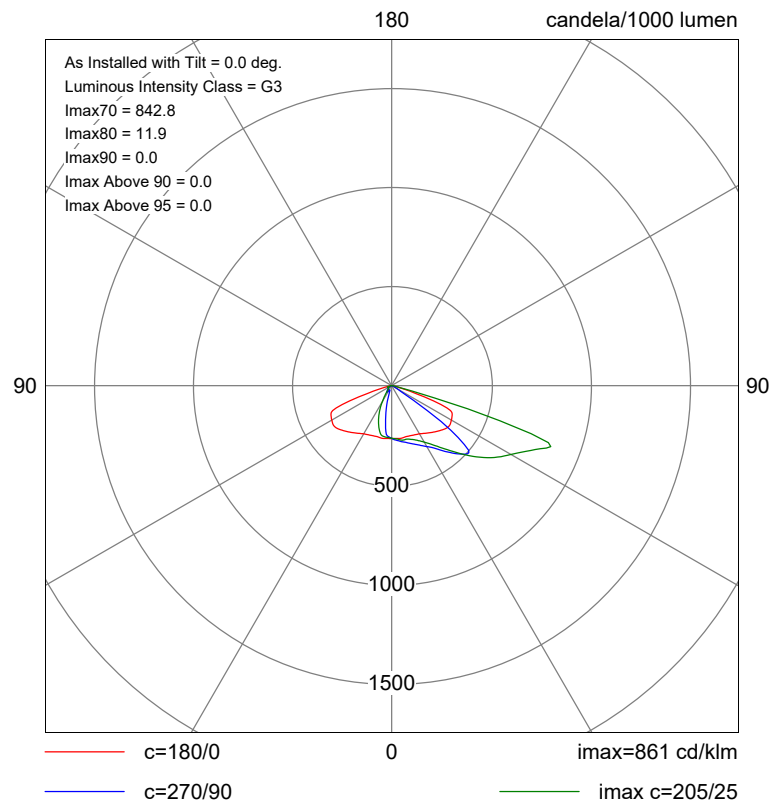
Complies with P4

Eav	5.05
Emin	1.82
Emax	11.65
Emin/Emax	0.16
Emin/Eav	0.36
TI(%)	10.66

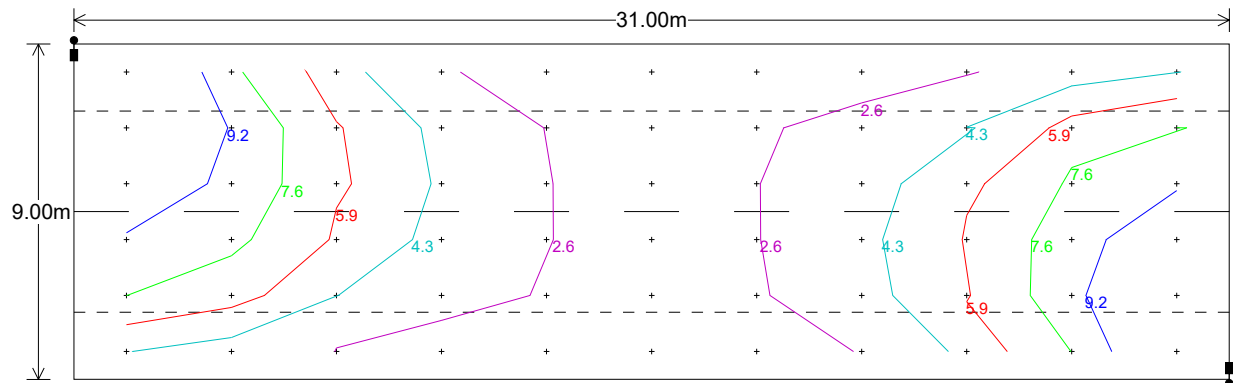


Polar Diagram

Main Luminaire AXIA 3.1 5295 Integrated lenses Rear louvers 8 OSLON SQUARE G



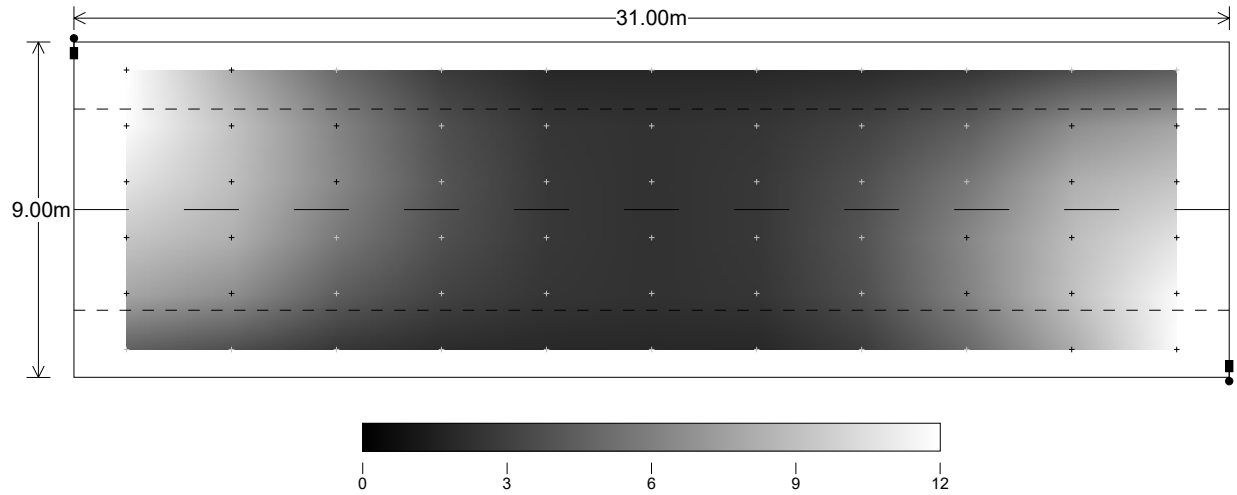
Horizontal Illuminance (lux)



Main Results

Eav	5.05
Emin	1.82
Emax	11.65
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TI(%)	10.66

Horizontal Illuminance (lux)



Horizontal Illuminance (lux)