

DATE: 5 November 2024
DESIGNER: YA
PROJECT No: P0103-150-CR02
PROJECT NAME: Northern Arc Avenue

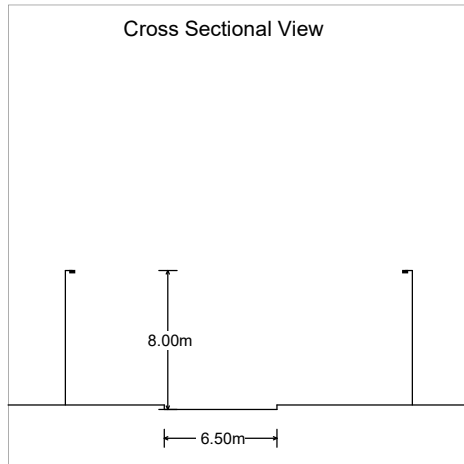


Lit to M4
Opposite arrangement

Roadway Lighting Report

Roadway Report Summary

Layout



Road Data

Calculation Grid	EN13201 Luminance
Width (m)	6.50
No. of Lanes	2
Road Surface	C2
Q0	0.07
Lane Width (m)	3.25
Rei Width (m)	3.25

Main Lighting

Column Data

Configuration	Opposite
Spacing (m)	30.50
Height (m)	8.00
Tilt (deg)	0.00
Left Setback (m)	5.70
Left Outreach (m)	0.40
Left Overhang (m)	-5.30
Right Setback (m)	7.80
Right Outreach (m)	0.40
Right Overhang (m)	-7.40

Luminaire Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5295 Integrated lenses 16 OSLO N SQUARE GIANT@870mA
Lamp(s)	16 OSLO N SQUARE GIANT@870mA NW 740 230V
LampFlux(klm)/Colour	5.72 NW 4000K/70
File Name	AXIA 3.1 5295 16 OSLO N SQUARE GIANT 870mA NW 740 44W 435822 Integrated le...
Maintenance Factor	0.94
Lum. Int. Class	G3

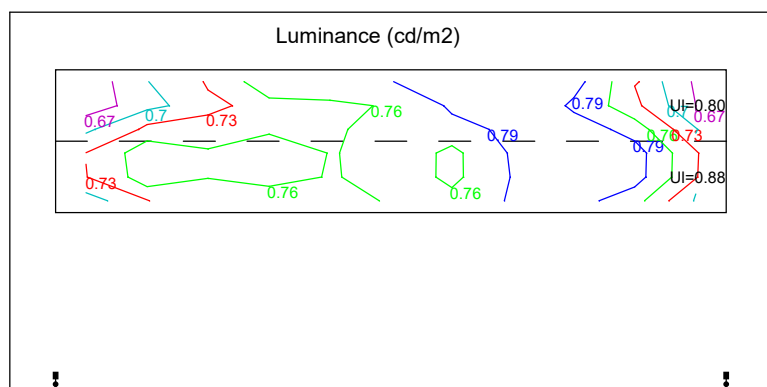
Results

Main

Complies with M4

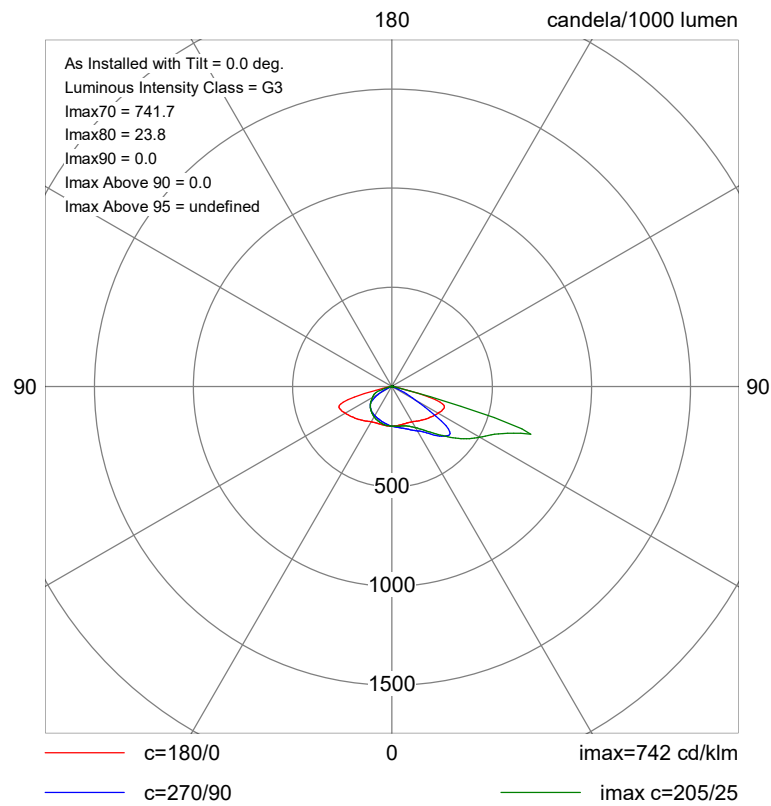
Lavmin	0.75 (2)
Lmin	0.60 (2)
Lmax	0.83 (1)
U0min	0.81 (2)
U1min	0.80 (2)
TI(%)	9.44 (1)
Rei	0.85

Number in brackets is the Observer Lane for Result shown.



Polar Diagram

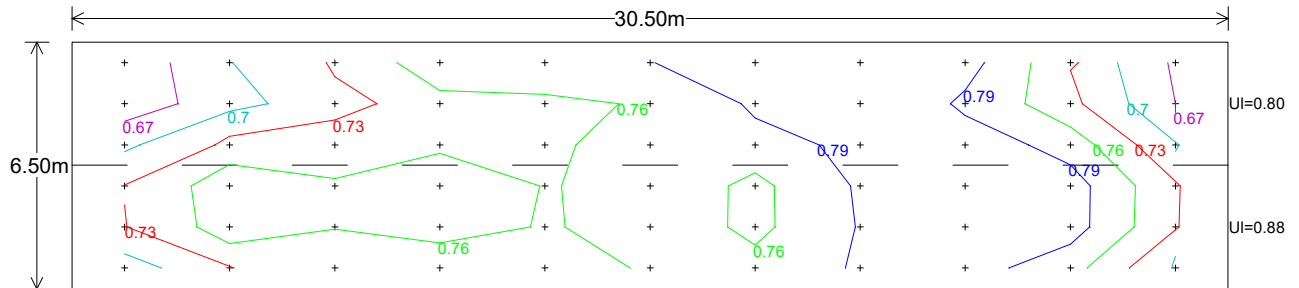
Main Luminaire AXIA 3.1 5295 Integrated lenses 16 OSLON SQUARE GIANT@870mA





Luminance (cd/m²)

Observer in Lane 1



Main Results

Observers in all Lanes

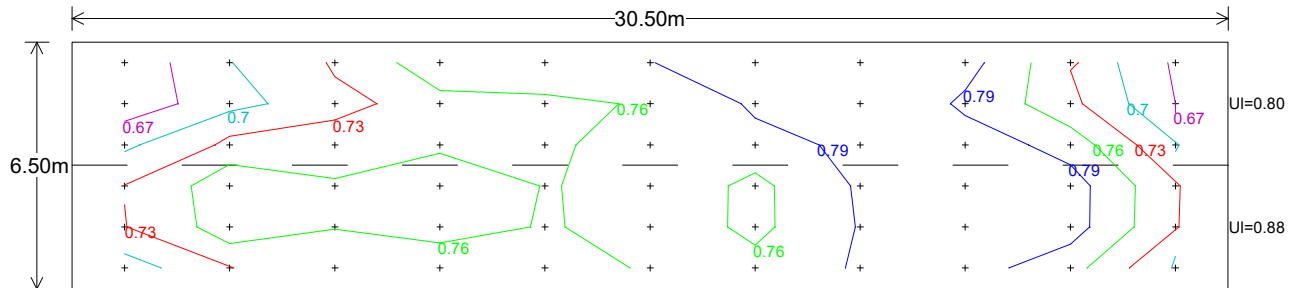
Lavmin	0.75 (2)
Lmin	0.60 (2)
Lmax	0.83 (1)
U0min	0.81 (2)
Ulmin	0.80 (2)
Tlmax(%)	9.44 (1)
Rei	0.85

Number in brackets is the
Observer Lane for Result shown.



Luminance (cd/m²)

Observer in Lane 1



Main Results

Observer in Lane 1

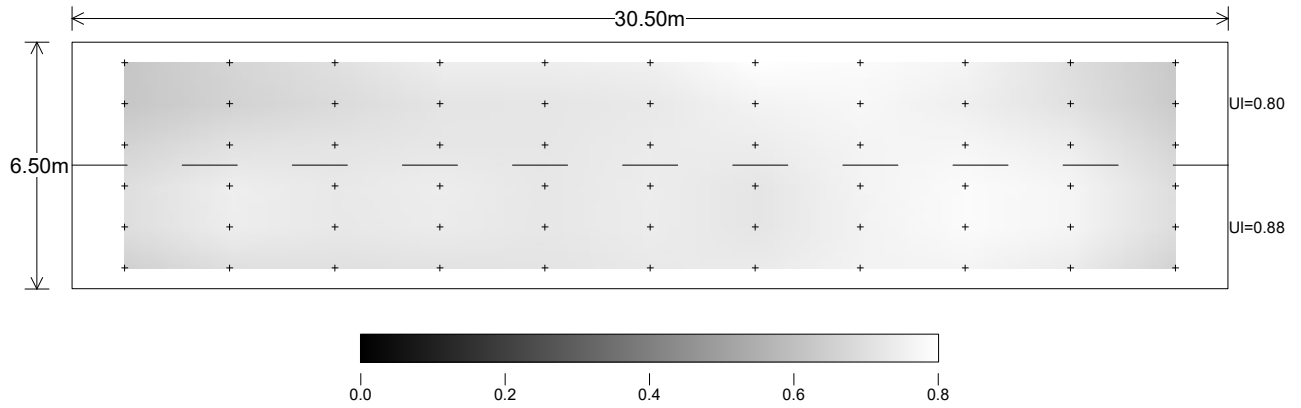
Lav	0.76
Lmin	0.65
Lmax	0.83
U0	0.86
UI	0.88
TI(%)	9.44





Luminance (cd/m²)

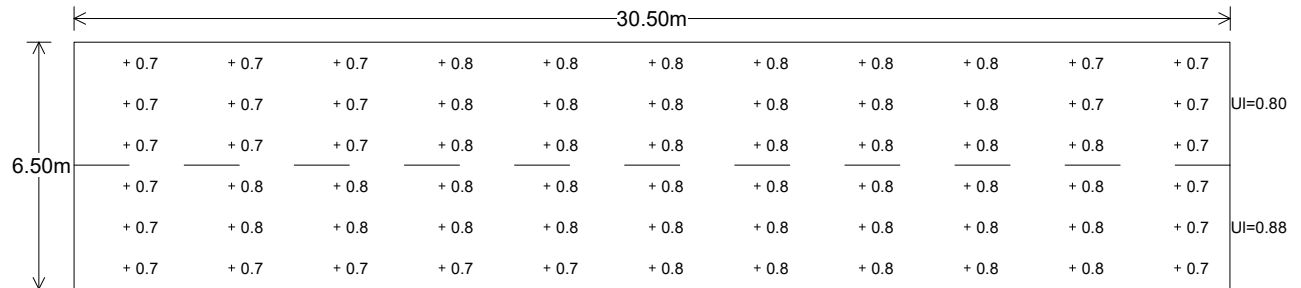
Observer in Lane 1





Luminance (cd/m²)

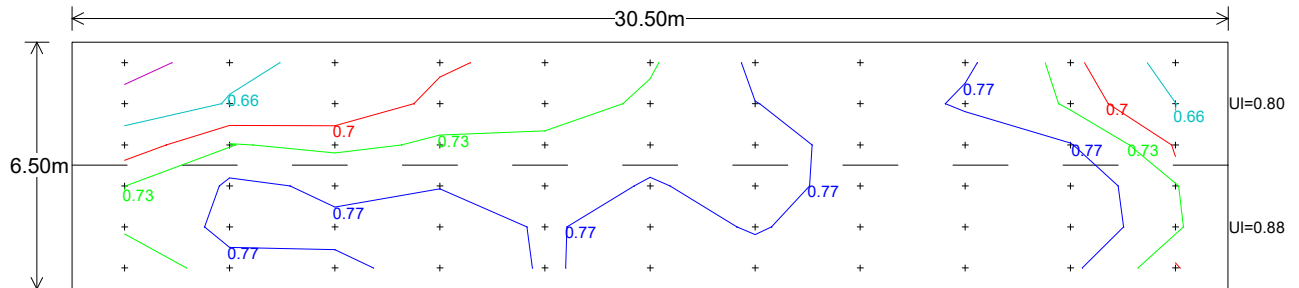
Observer in Lane 1





Luminance (cd/m²)

Observer in Lane 2



Main Results

Observer in Lane 2

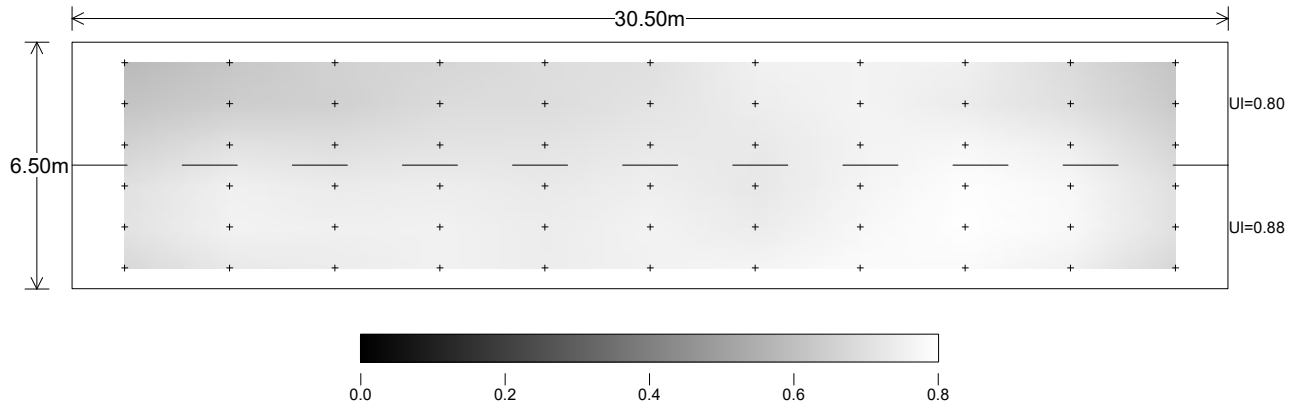
Lav	0.75
Lmin	0.60
Lmax	0.82
U0	0.81
UI	0.80
TI(%)	7.98





Luminance (cd/m²)

Observer in Lane 2





Luminance (cd/m²)

Observer in Lane 2

