

DATE: 16 únor 2017
DESIGNER: Petr
PROJECT No: 000000
PROJECT NAME: Unnamed

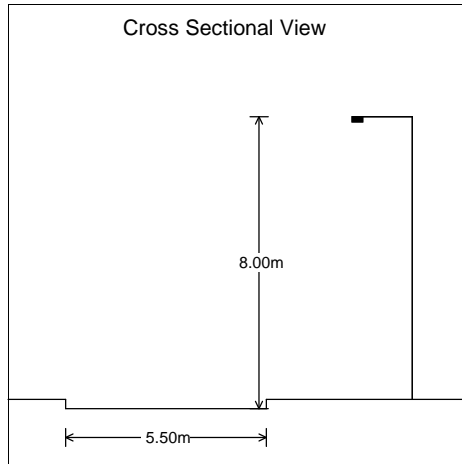


Roadway Lighting Report

PREPARED BY:

Roadway Report Summary

Layout



Road Data

Calculation Grid	CEN Luminance
Width (m)	5.50
No. of Lanes	2
Road Surface	C2
Q0	0.07
Lane Width (m)	2.75
SR Width (m)	5.00

Main Lighting

Column Data

Configuration	Single Sided Right
Spacing (m)	37.00
Height (m)	8.00
Tilt (deg)	0.00
Setback (m)	4.00
Outreach (m)	1.50
Overhang (m)	-2.50

Luminaire Data

Supplier	
Type	BGP623 T25 DM12 /830
Lamp(s)	LED-HB 1750-20850 lm-4S/83...
LampFlux(klm)/Colour	5.00 830/
File Name	BGP623 T25 LED-HB 1750-208...
Maintenance Factor	0.85
Lum. Int. Class	G3

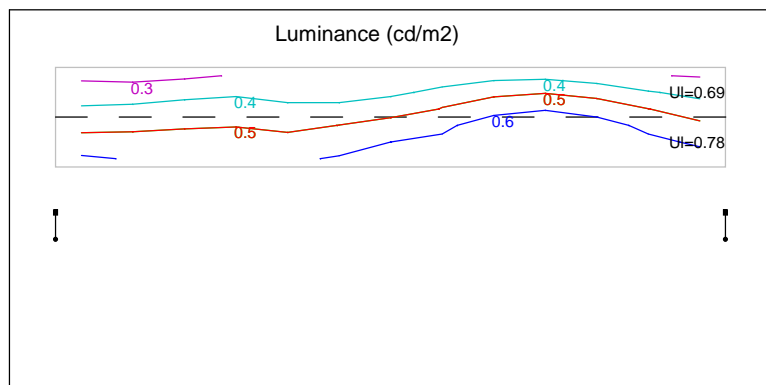
Results

Main

Complies with ME6

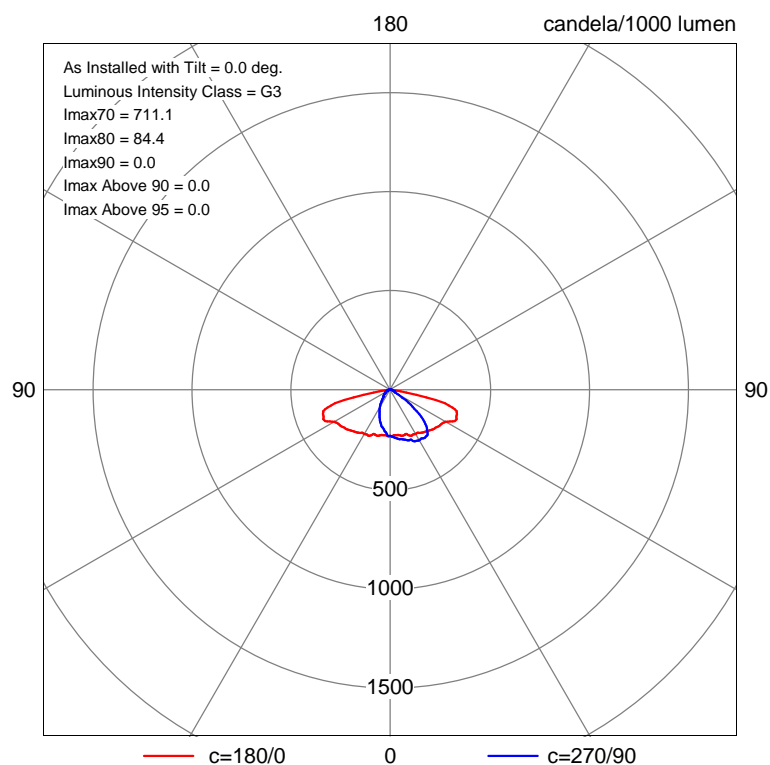
Lavmin	0.49 (1)
Lmin	0.27 (1)
Lmax	0.77 (2)
U0min	0.52 (2)
Ulmin	0.69 (2)
TI(%)	14.73 (1)
SR	0.67

Number in brackets is the Observer Lane for Result shown.



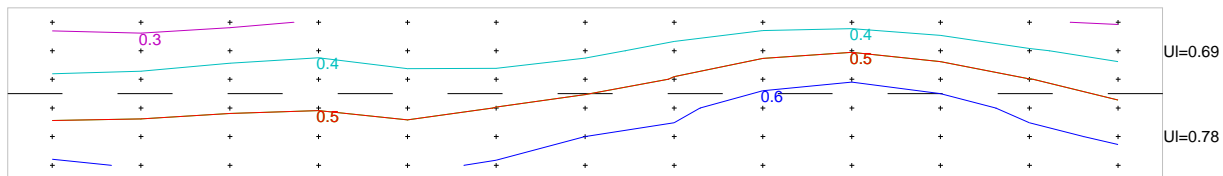
Polar Diagram

Main Luminaire BGP623 T25 DM12 /830



Luminance (cd/m²)

Observer in Lane 1



Main Results

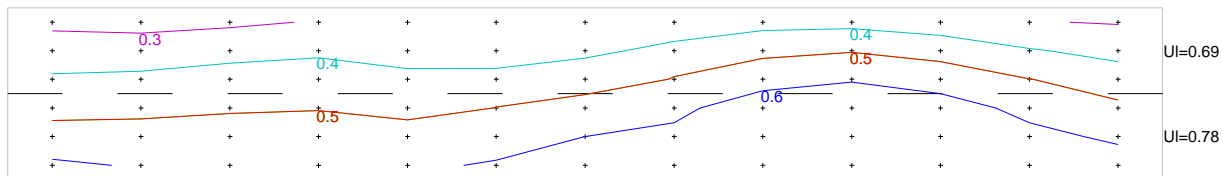
Observers in all Lanes

Lavmin	0.49 (1)
Lmin	0.27 (1)
Lmax	0.77 (2)
U0min	0.52 (2)
UImin	0.69 (2)
Tlmax(%)	14.73 (1)
SR	0.67

Number in brackets is the
Observer Lane for Result shown.

Luminance (cd/m²)

Observer in Lane 1



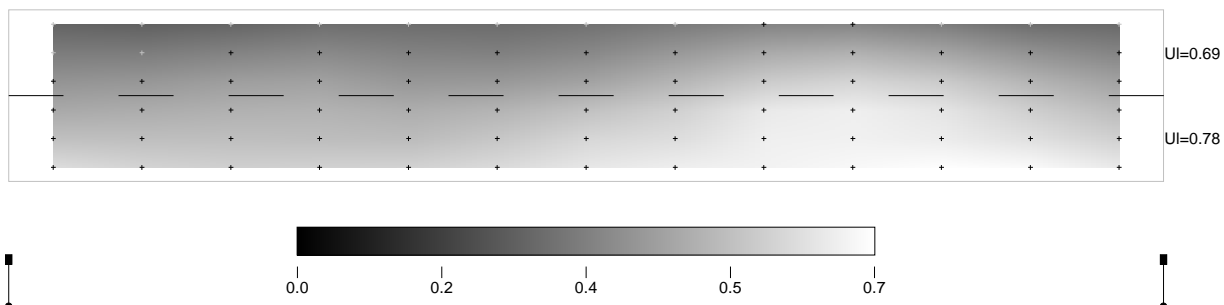
Main Results

Observer in Lane 1

Lav	0.49
Lmin	0.27
Lmax	0.71
U0	0.55
UI	0.78
TI(%)	14.73

Luminance (cd/m2)

Observer in Lane 1



Luminance (cd/m2)

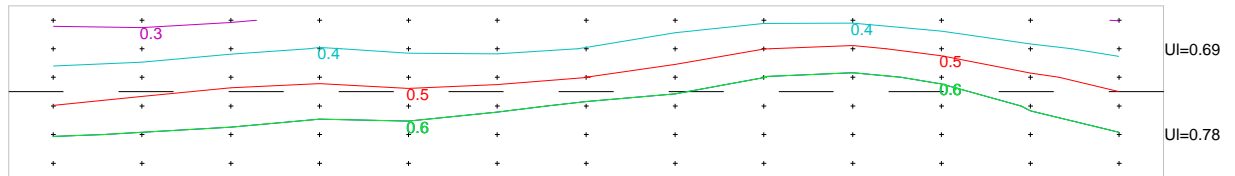
Observer in Lane 1

+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.3	+ 0.3	+ 0.3	UI=0.69
+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.4	+ 0.4	
+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.5	+ 0.4	
+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.7	+ 0.6	+ 0.6	+ 0.5	UI=0.78
+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.6	+ 0.6	
+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	



Luminance (cd/m²)

Observer in Lane 2



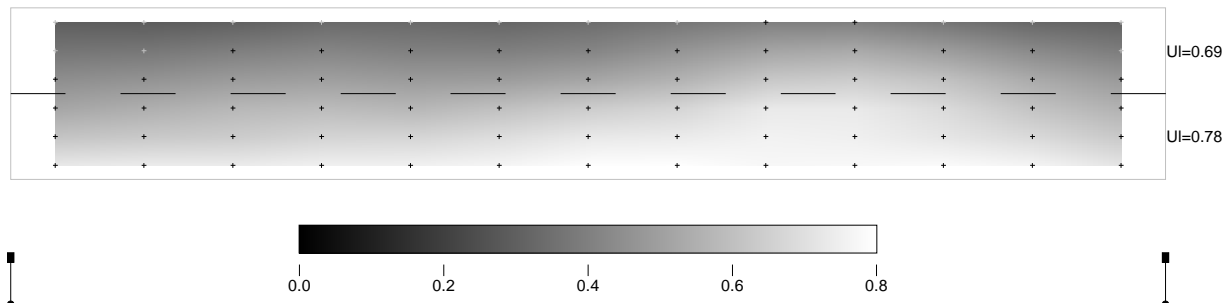
Main Results

Observer in Lane 2

Lav	0.54
Lmin	0.28
Lmax	0.77
U0	0.52
UI	0.69
TI(%)	7.57

Luminance (cd/m2)

Observer in Lane 2



Luminance (cd/m2)

Observer in Lane 2

+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.3	+ 0.3	UI=0.69
+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.4	+ 0.4	
+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.5	+ 0.5	UI=0.78
+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.6	+ 0.5	
+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.6	
+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.8	+ 0.8	+ 0.7	+ 0.7	+ 0.8	+ 0.7	+ 0.7	

