

DATE: 14 červen 2016
DESIGNER: Petr
PROJECT No: 000000
PROJECT NAME: Unnamed

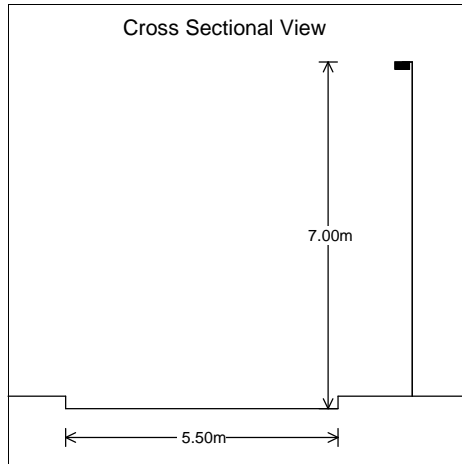


Roadway Lighting Report

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)	36.00
Height (m)	7.00
Tilt (deg)	0.00
Setback (m)	1.50
Outreach (m)	0.20
Overhang (m)	-1.30

Luminaire Data

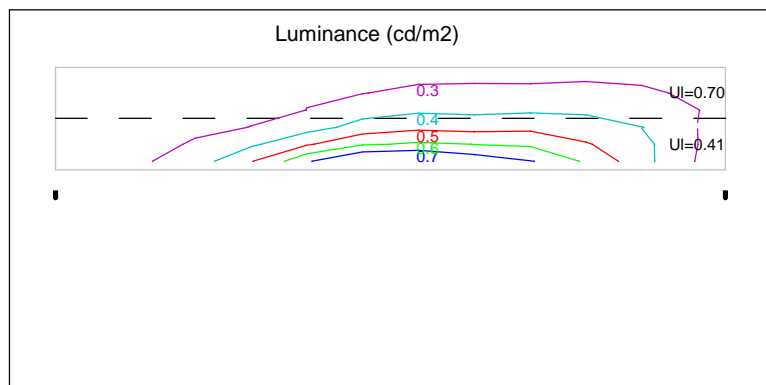
Supplier	
Type	BGP621 T25 DW50 /830
Lamp(s)	LED-HB 1050-10500 lm-4S/83...
LampFlux(klm)/Colour	4.00 830/
File Name	BGP621 T25 LED-HB 1050-105...
Maintenance Factor	0.90
Lum. Int. Class	G3

Results

Main

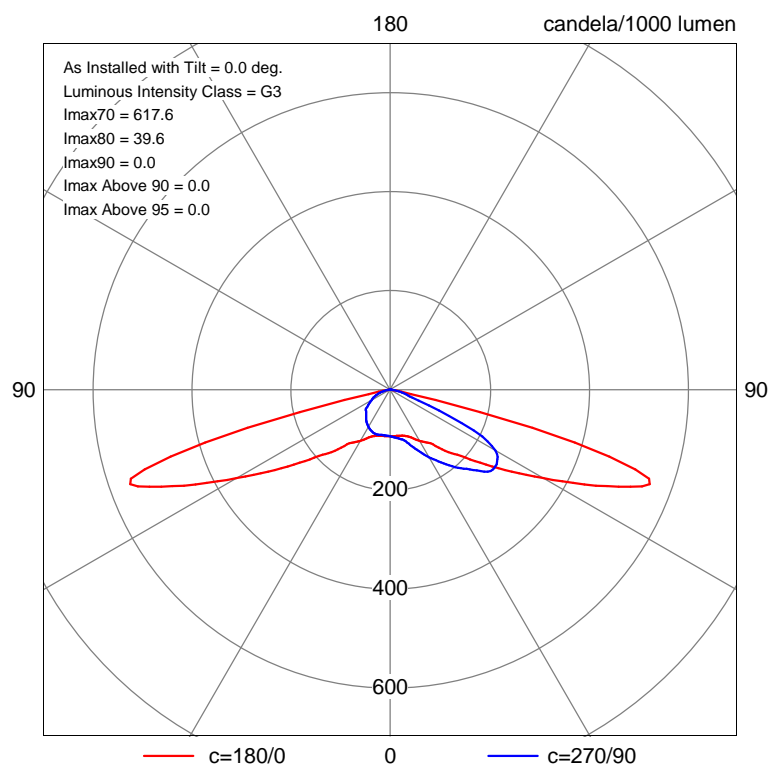
Lavmin	0.37 (1)
Lmin	0.21 (1)
Lmax	1.03 (2)
U0min	0.53 (2)
Ulmin	0.41 (1)
TI(%)	19.45 (1)
SR	0.84

Number in brackets is the
Observer Lane for Result shown.



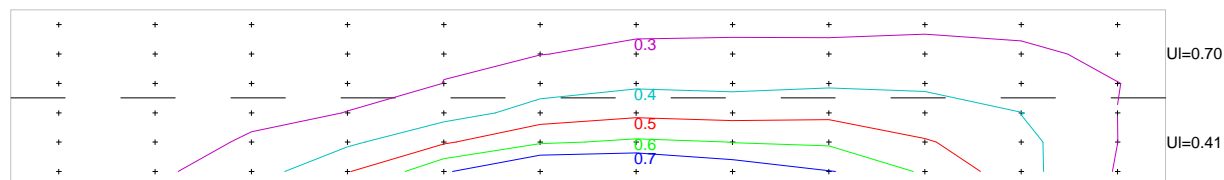
Polar Diagram

Main Luminaire BGP621 T25 DW50 /830



Luminance (cd/m²)

Observer in Lane 1



Main Results

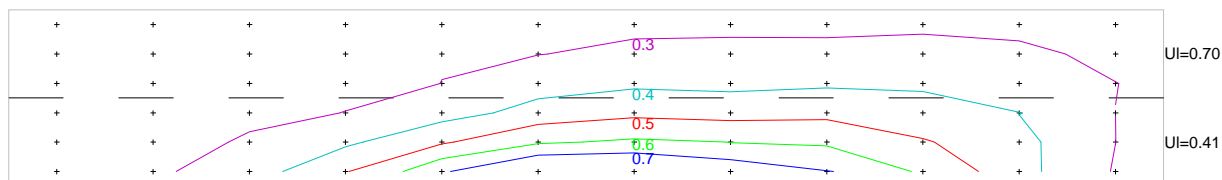
Observers in all Lanes

Lavmin	0.37 (1)
Lmin	0.21 (1)
Lmax	1.03 (2)
U0min	0.53 (2)
UImin	0.41 (1)
Tlmax(%)	19.45 (1)
SR	0.84

Number in brackets is the
Observer Lane for Result shown.

Luminance (cd/m2)

Observer in Lane 1



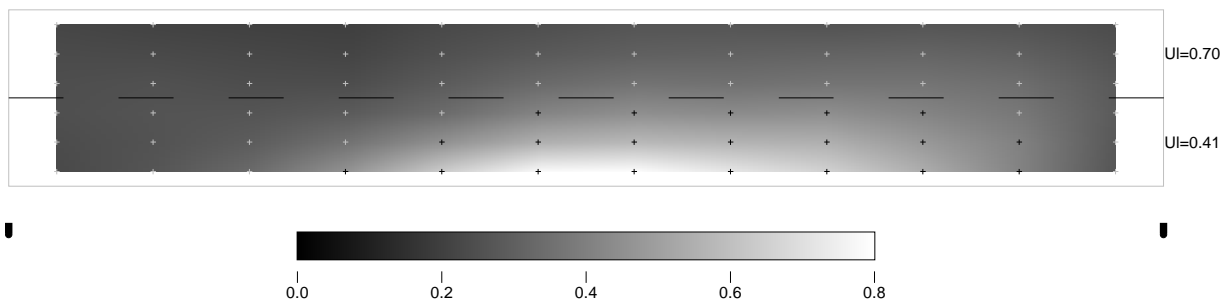
Main Results

Observer in Lane 1

Lav	0.37
Lmin	0.21
Lmax	0.85
U0	0.56
UI	0.41
TI(%)	19.45

Luminance (cd/m²)

Observer in Lane 1



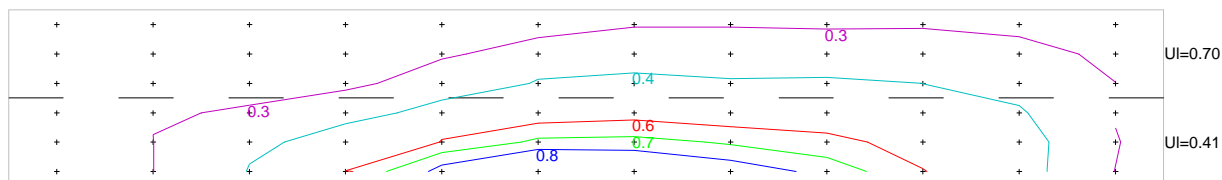
Luminance (cd/m2)

Observer in Lane 1

+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	UI=0.70
+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	
+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.3	
+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.4	+ 0.4	+ 0.3	UI=0.41
+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.5	+ 0.4	+ 0.3	
+ 0.2	+ 0.3	+ 0.4	+ 0.5	+ 0.7	+ 0.8	+ 0.8	+ 0.8	+ 0.7	+ 0.6	+ 0.4	+ 0.3	

Luminance (cd/m2)

Observer in Lane 2



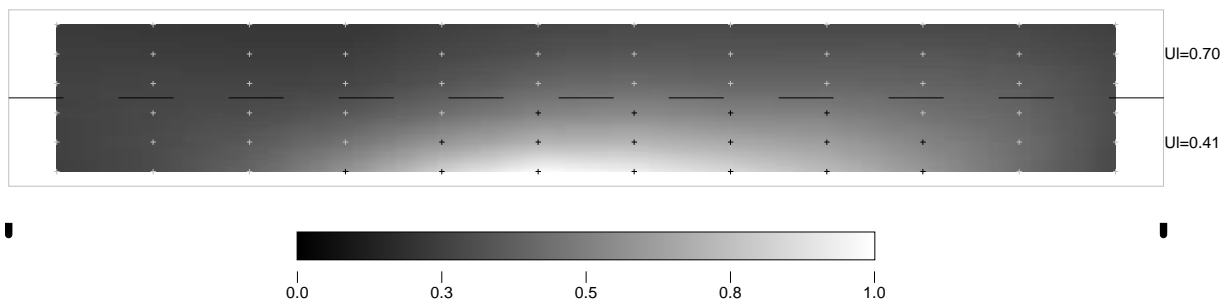
Main Results

Observer in Lane 2

Lav	0.41
Lmin	0.22
Lmax	1.03
U0	0.53
UI	0.70
TI(%)	12.17

Luminance (cd/m²)

Observer in Lane 2



Luminance (cd/m2)

Observer in Lane 2

+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	UI=0.70
+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	
+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.3	
+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.5	+ 0.6	+ 0.5	+ 0.5	+ 0.5	+ 0.4	+ 0.3	UI=0.41
+ 0.3	+ 0.3	+ 0.4	+ 0.5	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.6	+ 0.5	+ 0.4	+ 0.3	
+ 0.3	+ 0.3	+ 0.4	+ 0.6	+ 0.9	+ 1.0	+ 1.0	+ 0.9	+ 0.8	+ 0.6	+ 0.4	+ 0.3	