

**DATE:** prosinec 2018  
**DESIGNER:** PTD  
**PROJECT No:** Příloha 6  
**PROJECT NAME:** E.Rošického

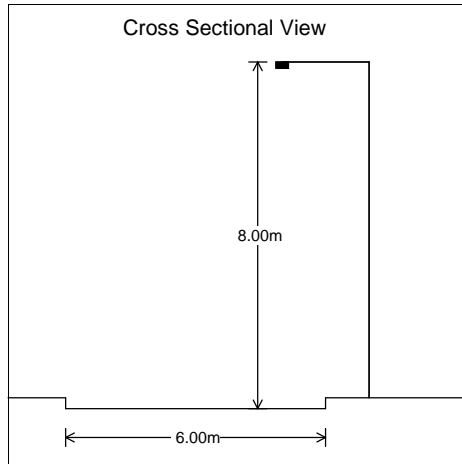


## **Roadway Lighting Report**

**PREPARED BY:**

## Roadway Report Summary

### Layout



### Road Data

Calculation Grid	CEN Luminance
Width (m)	6.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Lane Width (m)	3.00
SR Width (m)	5.00

### Main Lighting

#### Column Data

Configuration	Single Sided Right
Spacing (m)	41.00
Height (m)	8.00
Tilt (deg)	0.00
Setback (m)	1.00
Outreach (m)	2.00
Overhang (m)	1.00

#### Luminaire Data

Supplier	
Type	BGP621 T25 DM10 /740
Lamp(s)	LED-HB 1300-13000 lm-4S/74...
LampFlux(klm)/Colour	4.00 740/
File Name	BGP621 T25 LED-HB 1300-130...
Maintenance Factor	0.90
Lum. Int. Class	G3

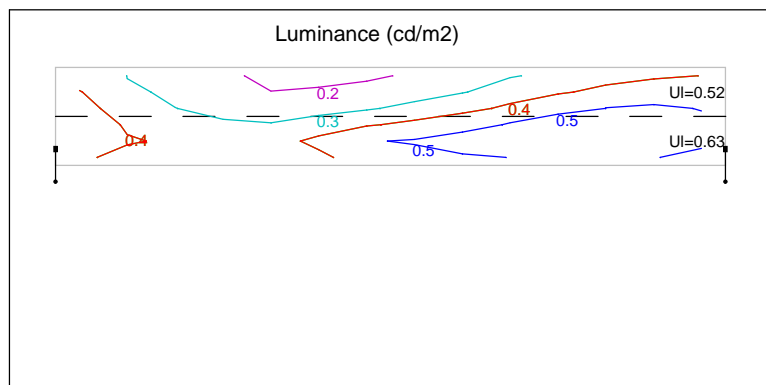
### Results

#### Main

Complies with ME6

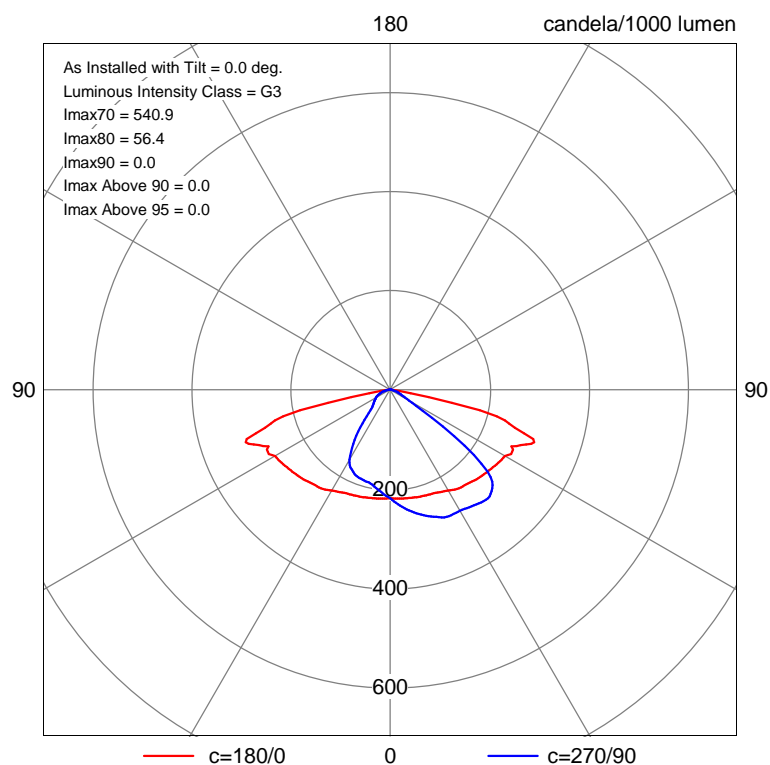
Lavmin	0.39 (1)
Lmin	0.18 (1)
Lmax	0.59 (2)
U0min	0.47 (1)
U1min	0.52 (2)
TI(%)	9.49 (1)
SR	0.77

Number in brackets is the Observer Lane for Result shown.



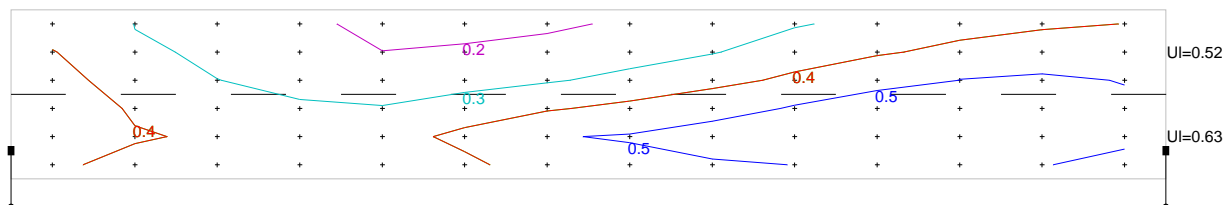
## Polar Diagram

### Main Luminaire BGP621 T25 DM10 /740



## Luminance (cd/m<sup>2</sup>)

Observer in Lane 1



### Main Results

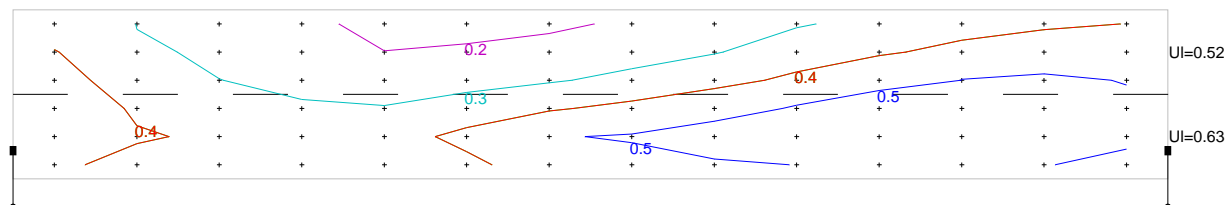
Observers in all Lanes

Lavmin	0.39 (1)
Lmin	0.18 (1)
Lmax	0.59 (2)
U0min	0.47 (1)
Ulmin	0.52 (2)
Tlmax(%)	9.49 (1)
SR	0.77

Number in brackets is the  
Observer Lane for Result shown.

## Luminance (cd/m<sup>2</sup>)

Observer in Lane 1



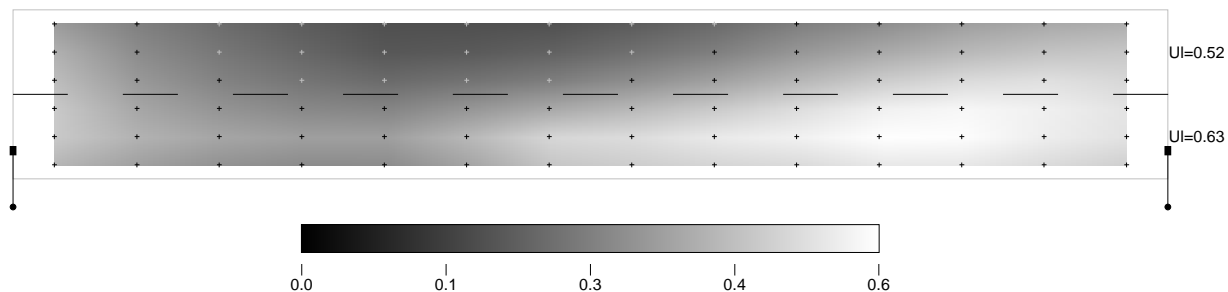
### **Main Results**

Observer in Lane 1

Lav	0.39
Lmin	0.18
Lmax	0.58
U0	0.47
UI	0.63
TI(%)	9.49

## Luminance (cd/m<sup>2</sup>)

Observer in Lane 1



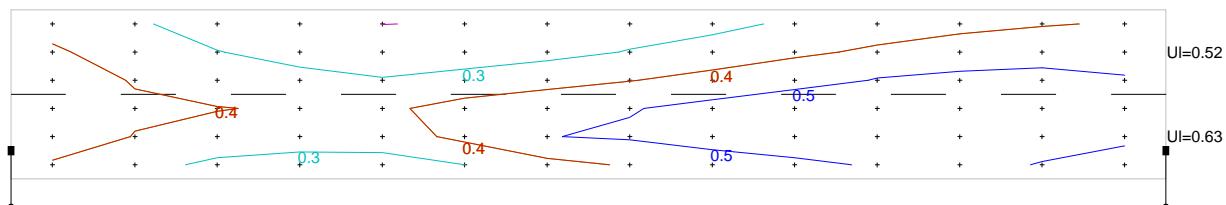
## Luminance (cd/m2)

Observer in Lane 1

+ 0.4	+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	UI=0.52
+ 0.4	+ 0.3	+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.5	
+ 0.4	+ 0.4	+ 0.3	+ 0.3	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	
+ 0.5	+ 0.4	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.5	UI=0.63
+ 0.5	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.5	+ 0.5	
+ 0.4	+ 0.4	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	

## Luminance (cd/m<sup>2</sup>)

Observer in Lane 2



### **Main Results**

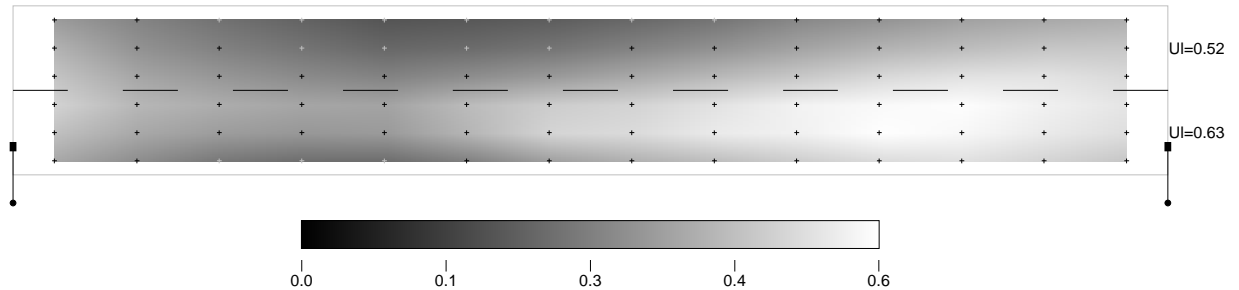
Observer in Lane 2

Lav	0.41
Lmin	0.20
Lmax	0.59
U0	0.49
UI	0.52
TI(%)	8.37



## Luminance (cd/m<sup>2</sup>)

Observer in Lane 2



## Luminance (cd/m2)

Observer in Lane 2

+ 0.4	+ 0.3	+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	UI=0.52
+ 0.4	+ 0.3	+ 0.3	+ 0.3	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	
+ 0.5	+ 0.4	+ 0.4	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	
+ 0.5	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.5	UI=0.63
+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.5	+ 0.5	
+ 0.4	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	