

**DATE:** září 2018  
**DESIGNER:** PTD  
**PROJECT No:**  
**PROJECT NAME:** Příloha 6.2

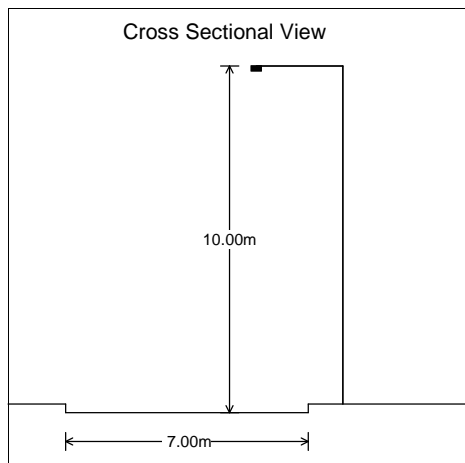


## **Roadway Lighting Report**

**PREPARED BY:**

## Roadway Report Summary

## Layout



## Road Data

Calculation Grid	CEN Luminance
Width (m)	7.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Lane Width (m)	3.50
SR Width (m)	5.00

## Main Lighting

### Column Data

Configuration	Single Sided Right
Spacing (m)	45.00
Height (m)	10.00
Tilt (deg)	0.00
Setback (m)	1.00
Outreach (m)	2.50
Overhang (m)	1.50

## Luminaire Data

Supplier	
Type	BGP623 T25 DM12 /830
Lamp(s)	LED-HB 1750-20850 lm-4S/83...
LampFlux(klm)/Colour	8.00 830/
File Name	BGP623 T25 LED-HB 1750-208...
Maintenance Factor	0.80
Lum. Int. Class	G3

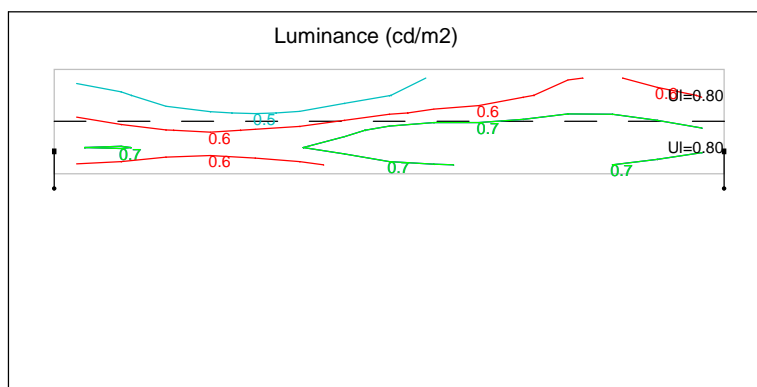
## Results

## Main

Complies with ME5

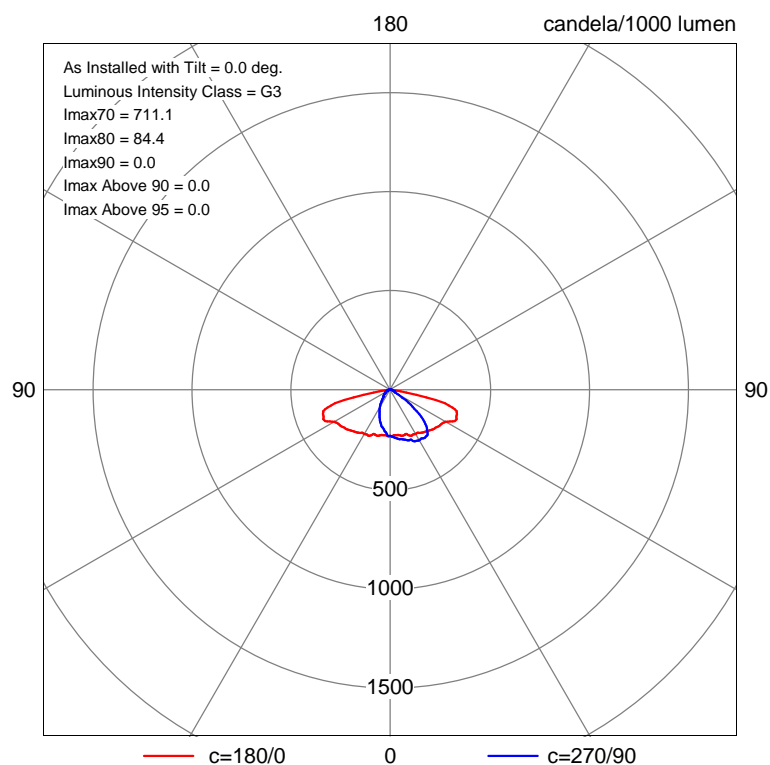
Lavmin	0.62 (1)
Lmin	0.42 (1)
Lmax	0.85 (2)
U0min	0.64 (2)
U1min	0.80 (1)
TI(%)	10.37 (2)
SR	0.82

Number in brackets is the  
Observer Lane for Result shown.



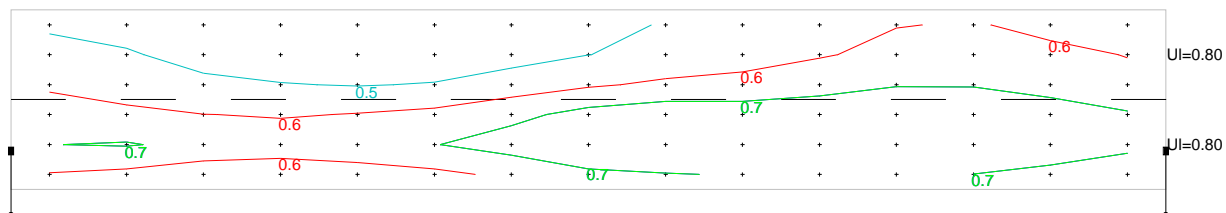
## Polar Diagram

### Main Luminaire BGP623 T25 DM12 /830



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

Observer in Lane 1



### Main Results

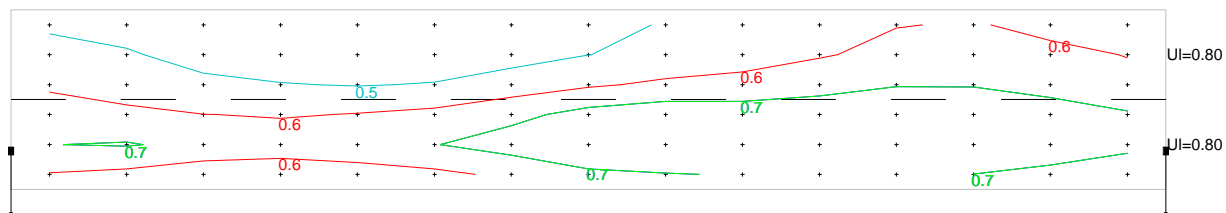
Observers in all Lanes

Lavmin	0.62 (1)
Lmin	0.42 (1)
Lmax	0.85 (2)
U0min	0.64 (2)
UImin	0.80 (1)
Tlmax(%)	10.37 (2)
SR	0.82

Number in brackets is the  
Observer Lane for Result shown.

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

Observer in Lane 1



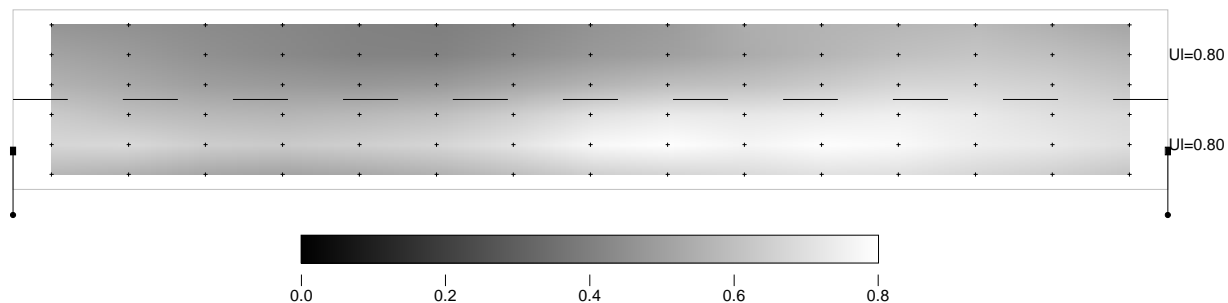
### Main Results

Observer in Lane 1

Lav	0.62
Lmin	0.42
Lmax	0.83
U0	0.67
UI	0.80
TI(%)	8.39

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

Observer in Lane 1



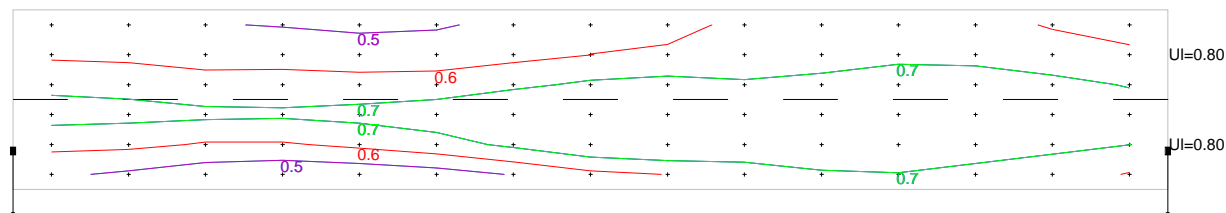
## Luminance (cd/m2)

Observer in Lane 1

+ 0.5	+ 0.5	+ 0.5	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.5	UI=0.80
+ 0.5	+ 0.5	+ 0.5	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	
+ 0.6	+ 0.6	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.6	UI=0.80
+ 0.7	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.7	
+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	UI=0.80
+ 0.6	+ 0.6	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.6	

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

Observer in Lane 2



### Main Results

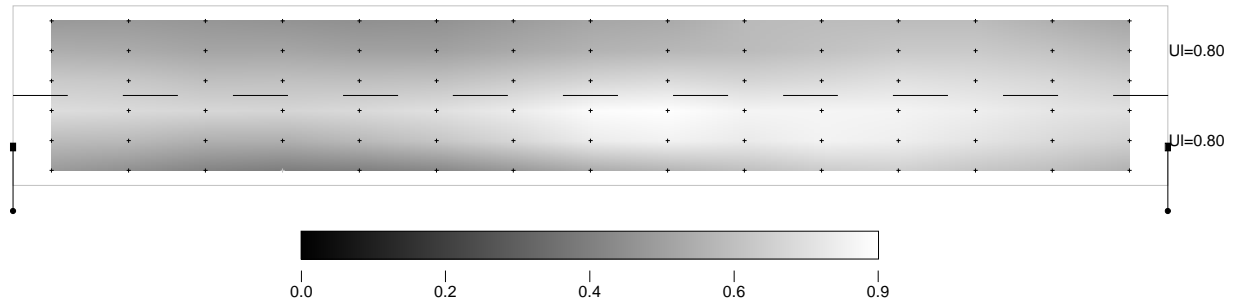
Observer in Lane 2

Lav	0.65
Lmin	0.42
Lmax	0.85
U0	0.64
UI	0.80
TI(%)	10.37



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

Observer in Lane 2



## Luminance (cd/m2)

Observer in Lane 2

+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	UI=0.80
+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.6	
+ 0.7	+ 0.7	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.8	+ 0.7	+ 0.7	+ 0.7	
+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.8	+ 0.8	+ 0.8	+ 0.9	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	
+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.7	UI=0.80
+ 0.5	+ 0.5	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.6	+ 0.6	