

**DATE:** září 2018  
**DESIGNER:** PTD  
**PROJECT No:**  
**PROJECT NAME:** Příloha 6.4

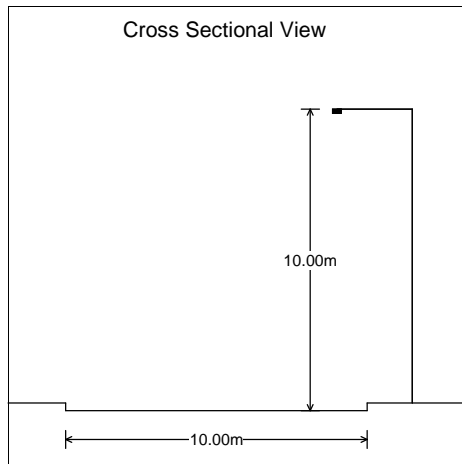


## **Roadway Lighting Report**

**PREPARED BY:**

## Roadway Report Summary

### Layout



### Road Data

Calculation Grid	CEN Luminance
Width (m)	10.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Lane Width (m)	5.00
SR Width (m)	5.00

### Main Lighting

#### Column Data

Configuration	Single Sided Right
Spacing (m)	42.00
Height (m)	10.00
Tilt (deg)	0.00
Setback (m)	1.50
Outreach (m)	2.50
Overhang (m)	1.00

#### Luminaire Data

Supplier	
Type	BGP623 T25 DM12 /830
Lamp(s)	LED-HB 1750-20850 lm-4S/83...
LampFlux(klm)/Colour	15.00 830/
File Name	BGP623 T25 LED-HB 1750-208...
Maintenance Factor	0.80
Lum. Int. Class	G3

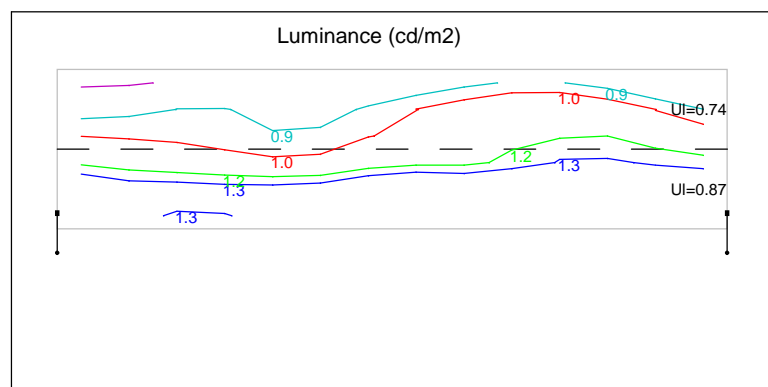
### Results

#### Main

Complies with ME3c\*

Lavmin	1.14 (1)
Lmin	0.67 (1)
Lmax	1.71 (2)
U0min	0.58 (2)
Ulmin	0.74 (2)
TI(%)	10.64 (1)
SR	0.48

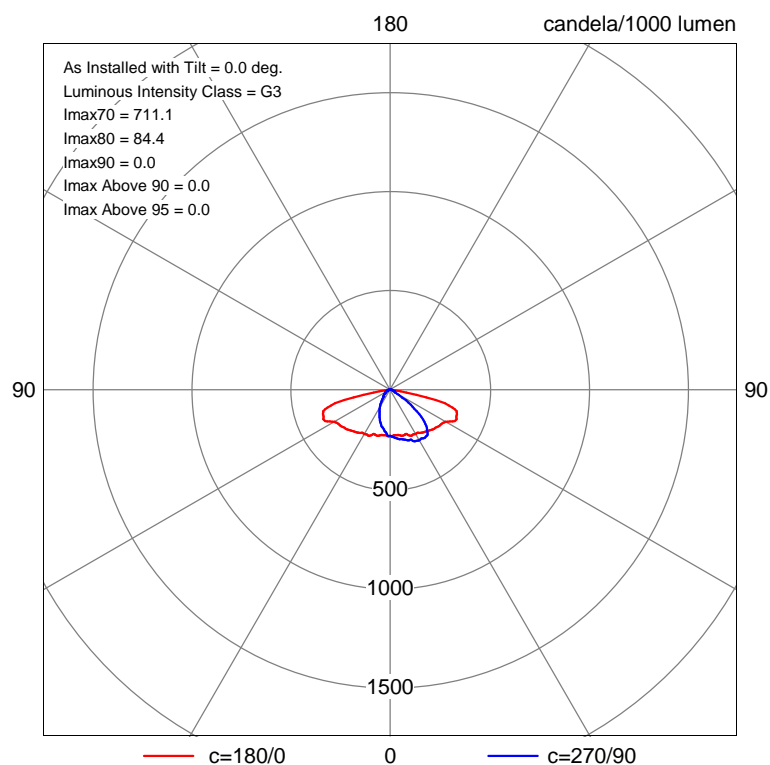
Number in brackets is the Observer Lane for Result shown.



\*SR not applicable - designer excluded.

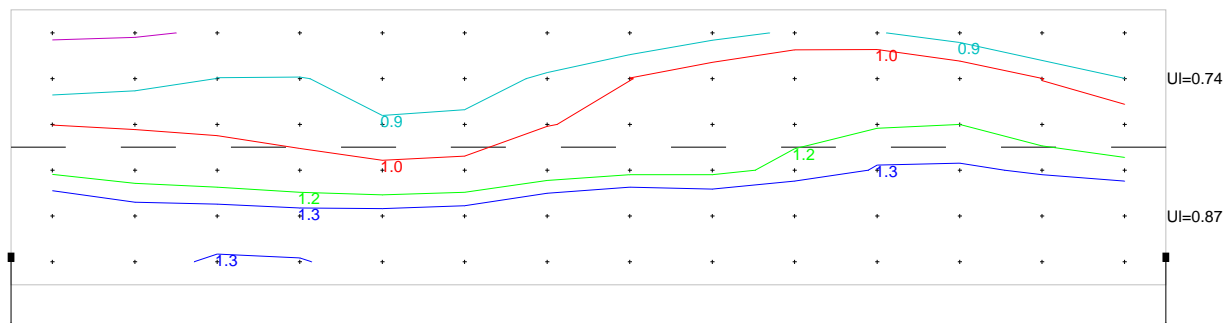
## Polar Diagram

### Main Luminaire BGP623 T25 DM12 /830



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

Observer in Lane 1



### Main Results

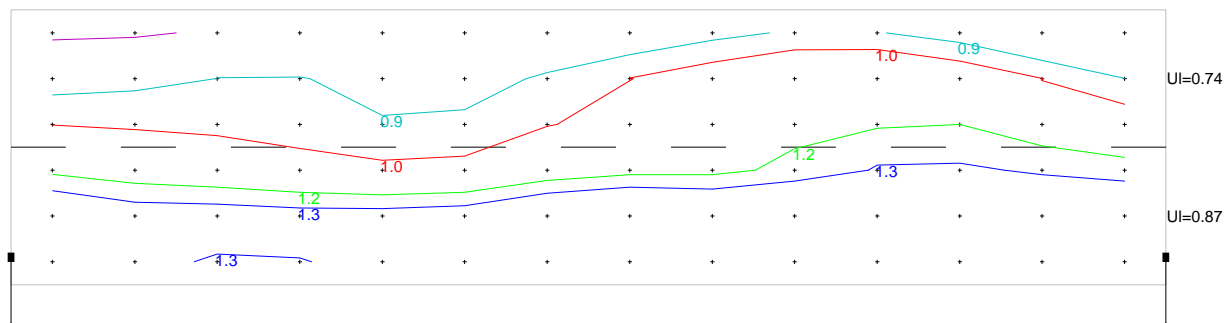
Observers in all Lanes

Lavmin	1.14 (1)
Lmin	0.67 (1)
Lmax	1.71 (2)
U0min	0.58 (2)
UImin	0.74 (2)
Tlmax(%)	10.64 (1)
SR	0.48

Number in brackets is the  
Observer Lane for Result shown.

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

Observer in Lane 1



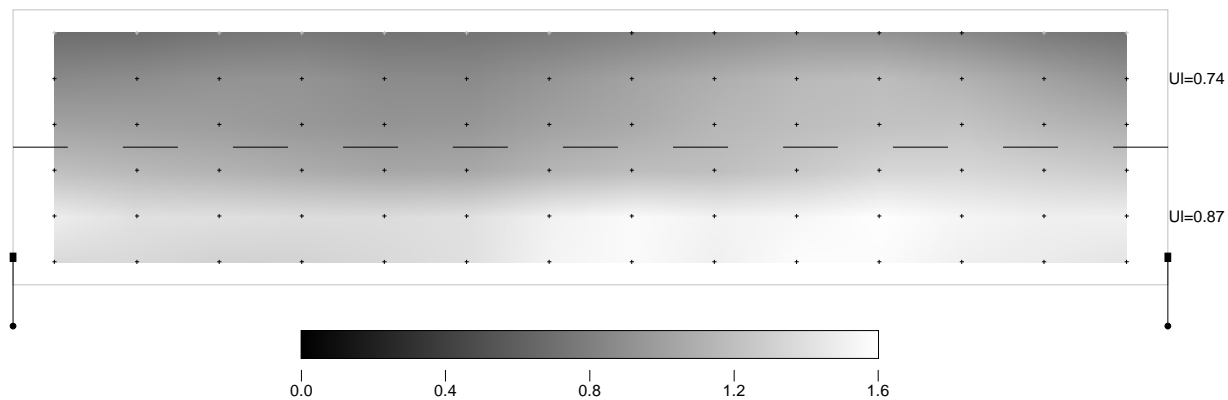
### Main Results

Observer in Lane 1

Lav	1.14
Lmin	0.67
Lmax	1.56
U0	0.59
UI	0.87
TI(%)	10.64

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

Observer in Lane 1



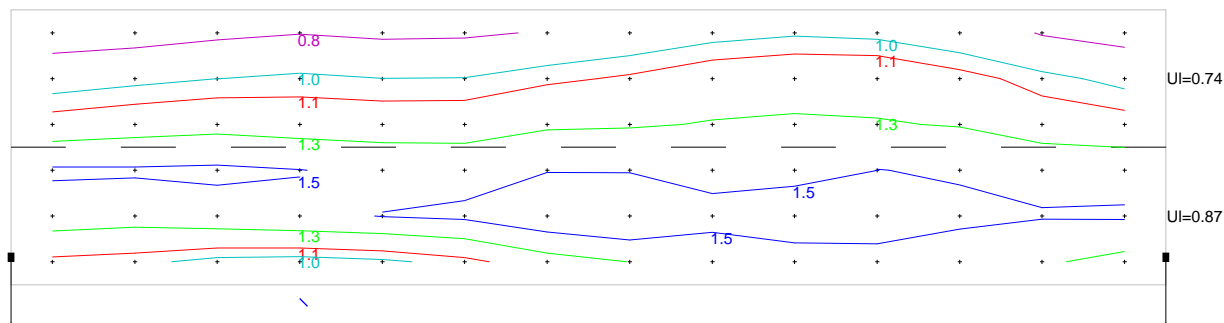
## Luminance (cd/m2)

Observer in Lane 1

+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.7	+ 0.8	+ 0.8	+ 0.9	+ 0.9	+ 0.9	+ 0.8	+ 0.8	+ 0.7	UI=0.74
+ 0.8	+ 0.9	+ 0.9	+ 0.9	+ 0.9	+ 0.9	+ 0.9	+ 1.0	+ 1.1	+ 1.1	+ 1.2	+ 1.1	+ 1.0	+ 0.9	
+ 1.0	+ 1.0	+ 1.0	+ 0.9	+ 0.9	+ 0.9	+ 1.0	+ 1.0	+ 1.1	+ 1.2	+ 1.2	+ 1.2	+ 1.1	+ 1.1	
+ 1.2	+ 1.1	+ 1.1	+ 1.1	+ 1.0	+ 1.0	+ 1.1	+ 1.2	+ 1.2	+ 1.2	+ 1.3	+ 1.3	+ 1.3	+ 1.2	UI=0.87
+ 1.5	+ 1.4	+ 1.4	+ 1.4	+ 1.4	+ 1.4	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.6	+ 1.5	+ 1.5	+ 1.5	
+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.4	+ 1.5	+ 1.5	+ 1.5	+ 1.6	+ 1.5	+ 1.5	+ 1.4	+ 1.4	

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

Observer in Lane 2



### Main Results

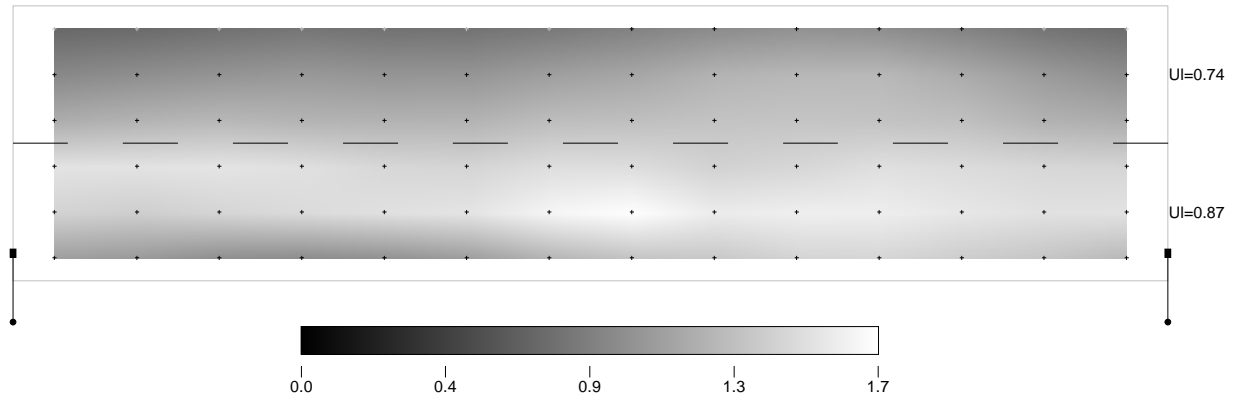
Observer in Lane 2

Lav	1.22
Lmin	0.70
Lmax	1.71
U0	0.58
UI	0.74
TI(%)	10.42



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

Observer in Lane 2



## Luminance (cd/m2)

Observer in Lane 2

+ 0.7	+ 0.7	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.9	+ 0.9	+ 1.0	+ 1.0	+ 0.9	+ 0.8	+ 0.7	UI=0.74
+ 0.9	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.1	+ 1.1	+ 1.2	+ 1.2	+ 1.2	+ 1.2	+ 1.0	+ 1.0	
+ 1.2	+ 1.2	+ 1.2	+ 1.2	+ 1.2	+ 1.2	+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.2	+ 1.2	
+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.4	+ 1.4	+ 1.5	+ 1.5	+ 1.4	+ 1.4	+ 1.5	+ 1.5	+ 1.4	+ 1.4	UI=0.87
+ 1.4	+ 1.4	+ 1.4	+ 1.5	+ 1.5	+ 1.5	+ 1.7	+ 1.7	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.5	+ 1.5	
+ 1.1	+ 1.0	+ 1.0	+ 0.9	+ 1.0	+ 1.1	+ 1.2	+ 1.3	+ 1.3	+ 1.4	+ 1.4	+ 1.4	+ 1.3	+ 1.2	