

**DATE:** září 2018  
**DESIGNER:** PTD  
**PROJECT No:**  
**PROJECT NAME:** Příloha 6.6

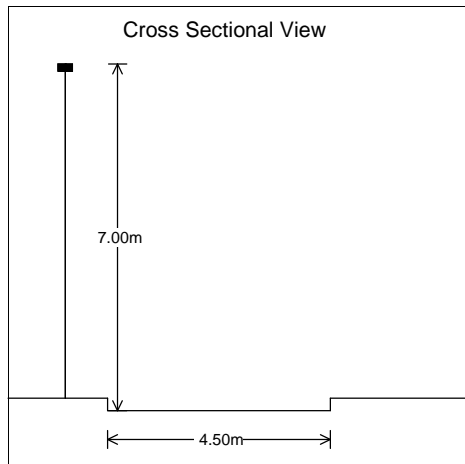


## **Roadway Lighting Report**

**PREPARED BY:**

## Roadway Report Summary

### Layout



### Road Data

Calculation Grid	CEN Luminance
Width (m)	4.50
No. of Lanes	2
Road Surface	C2
Q0	0.07
Lane Width (m)	2.25
SR Width (m)	5.00

### Main Lighting

#### Column Data

Configuration	Single Sided Left
Spacing (m)	41.00
Height (m)	7.00
Tilt (deg)	0.00
Setback (m)	0.85
Outreach (m)	0.00
Overhang (m)	-0.85

#### Luminaire Data

Supplier	
Type	BGP615 T25 DM70 /830
Lamp(s)	LED-HB 550-5300 lm-4S/830
LampFlux(klm)/Colour	3.50 830/
File Name	BGP615 T25 LED-HB 550-5300...
Maintenance Factor	0.85
Lum. Int. Class	None

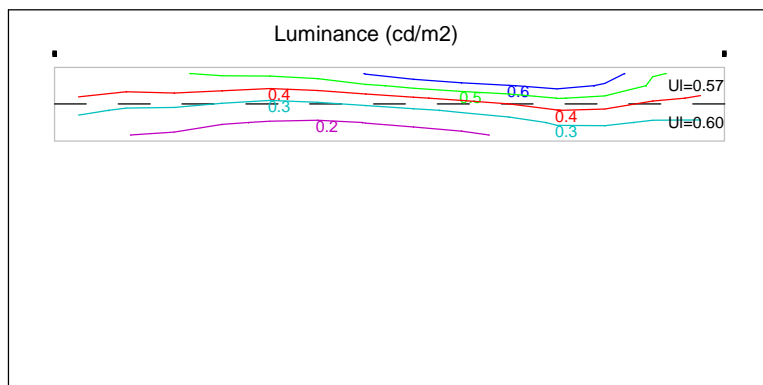
### Results

#### Main

Complies with ME6

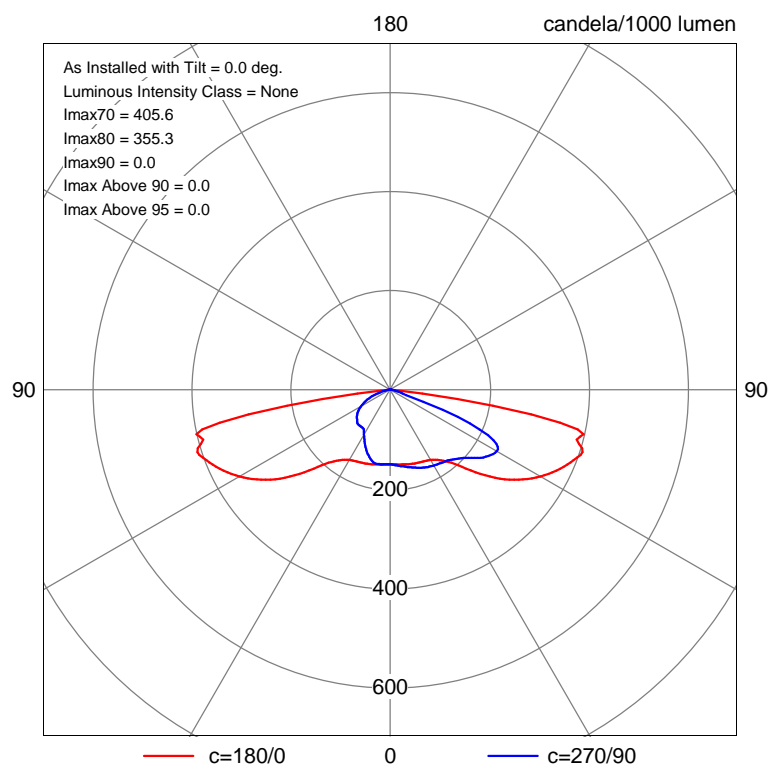
Lavmin	0.33 (2)
Lmin	0.14 (2)
Lmax	0.75 (1)
U0min	0.42 (1)
U1min	0.57 (2)
TI(%)	14.85 (2)
SR	0.89

Number in brackets is the Observer Lane for Result shown.



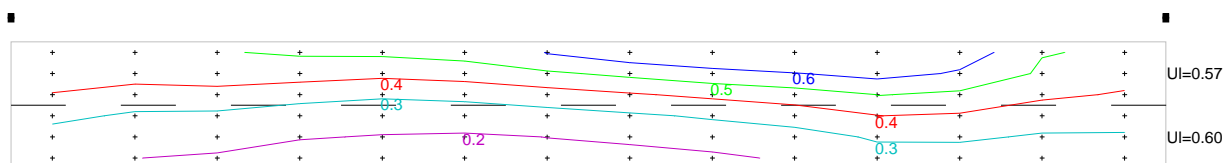
## Polar Diagram

### Main Luminaire BGP615 T25 DM70 /830



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

Observer in Lane 1



### Main Results

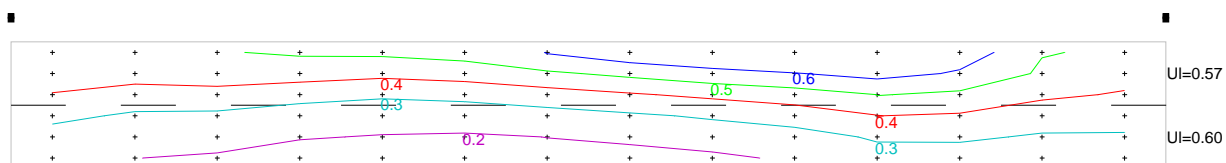
Observers in all Lanes

Lavmin	0.33 (2)
Lmin	0.14 (2)
Lmax	0.75 (1)
U0min	0.42 (1)
UImin	0.57 (2)
Tlmax(%)	14.85 (2)
SR	0.89

Number in brackets is the  
Observer Lane for Result shown.

## Luminance (cd/m2)

Observer in Lane 1



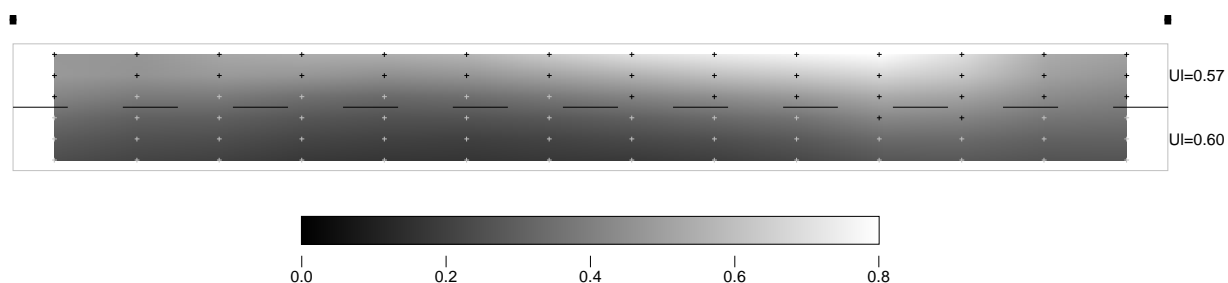
### Main Results

Observer in Lane 1

Lav	0.37
Lmin	0.16
Lmax	0.75
U0	0.42
UI	0.60
TI(%)	9.50

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

Observer in Lane 1



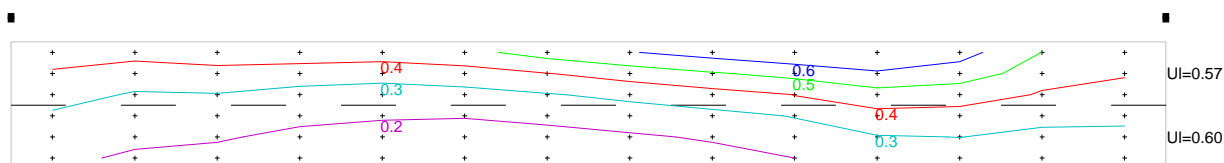
## Luminance (cd/m2)

Observer in Lane 1

+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.8	+ 0.7	+ 0.5	+ 0.5	UI=0.57
+ 0.5	+ 0.4	+ 0.5	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.5	+ 0.4	
+ 0.4	+ 0.4	+ 0.4	+ 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	+ 0.3	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.3	+ 0.3	UI=0.60
+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	
+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.2	+ 0.2	

## Luminance (cd/m2)

Observer in Lane 2



### Main Results

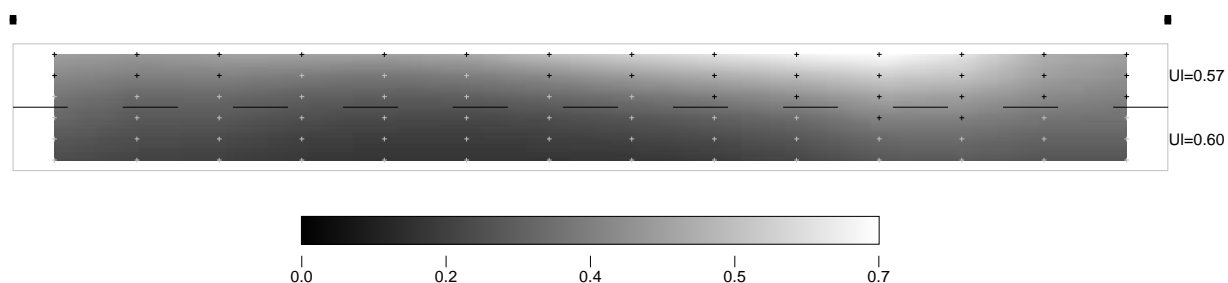
Observer in Lane 2

Lav	0.33
Lmin	0.14
Lmax	0.71
U0	0.43
UI	0.57
TI(%)	14.85



## Luminance (cd/m2)

Observer in Lane 2



## Luminance (cd/m2)

Observer in Lane 2

+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.6	+ 0.7	+ 0.7	+ 0.6	+ 0.5	+ 0.5	UI=0.57
+ 0.4	+ 0.4	+ 0.4	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.5	+ 0.5	+ 0.6	+ 0.5	+ 0.4	+ 0.4	
+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.5	+ 0.4	+ 0.4	+ 0.4	
+ 0.3	+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.3	+ 0.3	UI=0.60
+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.3	
+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.1	+ 0.1	+ 0.1	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.2	+ 0.2	