

**DATE:** 23 prosinec 2007  
**DESIGNER:** Jiri Pribyl, Indal CEE s.r.o.



**PROJECT No:**

**PROJECT NAME:** komunikace\_prujezdni\_2\_ME4b\_56\_5m\_SON-T\_100W

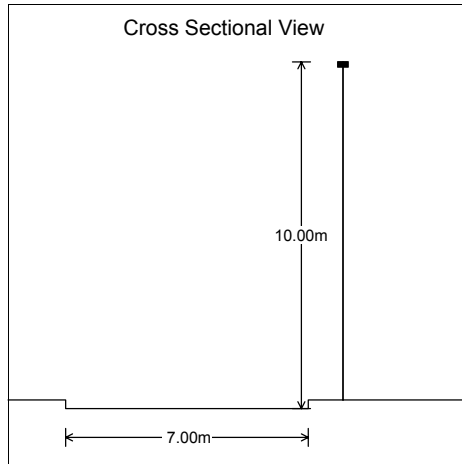
## **Roadway Lighting Report**

**PREPARED BY:** Design Software from:  
Lighting Reality Ltd  
Somerville House  
Harborne Road  
Birmingham B15 2AA  
United Kingdom

e-mail: [sales@lightingreality.eu.com](mailto:sales@lightingreality.eu.com)  
website: [www.lightingreality.eu.com](http://www.lightingreality.eu.com)

## Roadway Report Summary

### Layout



### Road Data

Calculation Grid	CEN Luminance
Width (m)	7.00
No. of Lanes	2
Road Surface	C1
Q0	0.10
Lane Width (m)	3.50
SR Width (m)	5.00

### Main Lighting

#### Column Data

Configuration	Single Sided Right
Spacing (m)	56.50
Height (m)	10.00
Tilt (deg)	0.00
Setback (m)	1.00
Outreach (m)	0.00
Overhang (m)	-1.00

#### Luminaire Data

Supplier	Industria
Type	2682 SNN/2E
Lamp(s)	1SON-T 100W
Lamp Flux (klm)	10.70
File Name	Inr1831
Maintenance Factor	1.00
Lum. Int. Class	G2



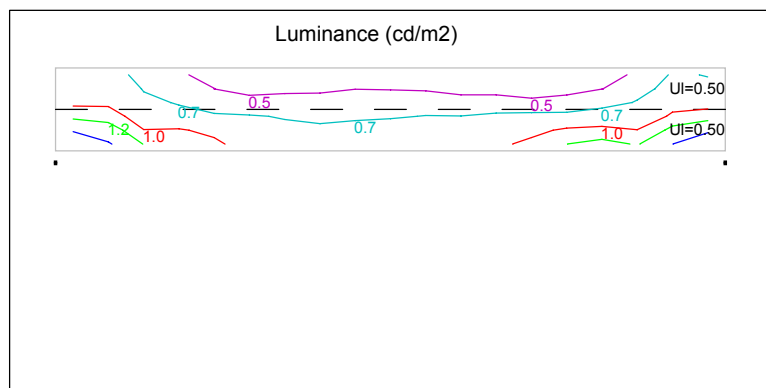
### Results

#### Main

Complies with ME4b

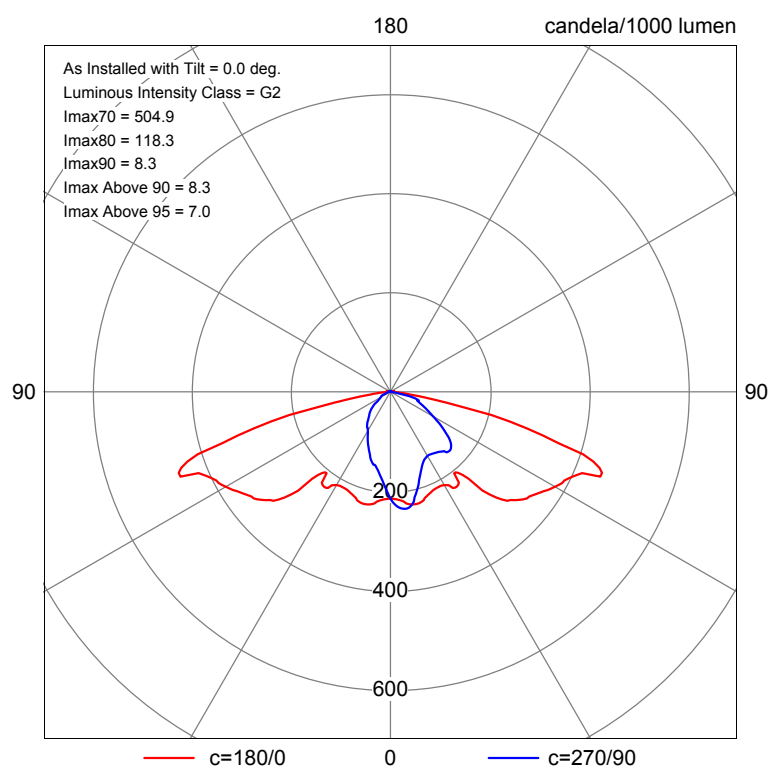
Lavmin	0.78 (1)
Lmin	0.34 (1)
Lmax	1.85 (1)
U0min	0.43 (2)
Ulmin	0.50 (2)
TI(%)	13.84 (1)
SR	0.88

Number in brackets is the  
Observer Lane for Result shown.



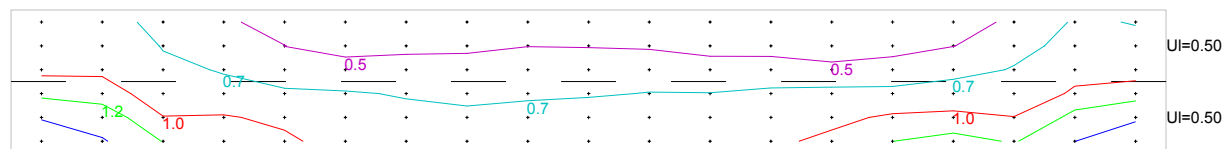
## Polar Diagram

### Main Luminaire 2682 SNN/2E



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

Observer in Lane 1



### Main Results

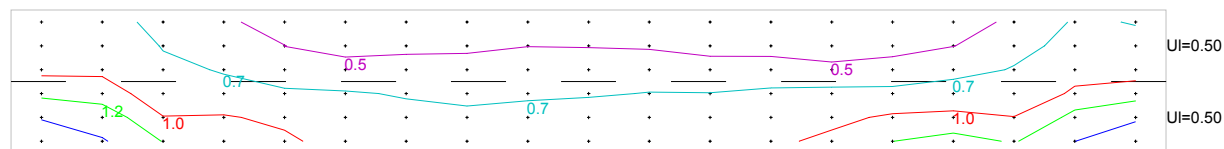
Observers in all Lanes

Lavmin	0.78 (1)
Lmin	0.34 (1)
Lmax	1.85 (1)
U0min	0.43 (2)
UImin	0.50 (2)
Tlmax(%)	13.84 (1)
SR	0.88

Number in brackets is the  
Observer Lane for Result shown.

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

Observer in Lane 1



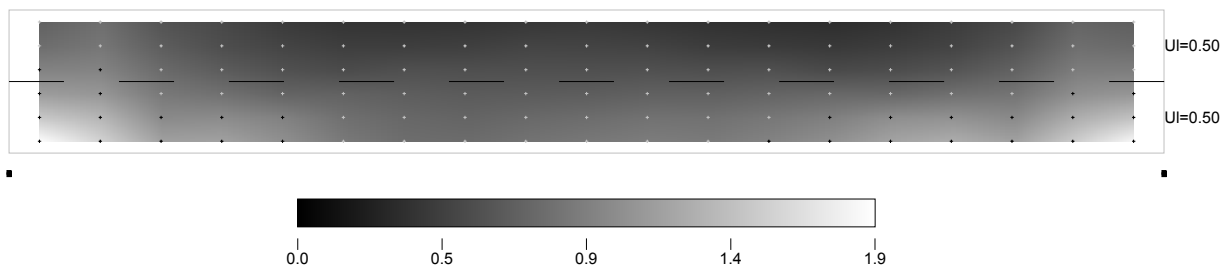
### Main Results

Observer in Lane 1

Lav	0.78
Lmin	0.34
Lmax	1.85
U0	0.43
UI	0.50
TI(%)	13.84

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

Observer in Lane 1



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

Observer in Lane 1

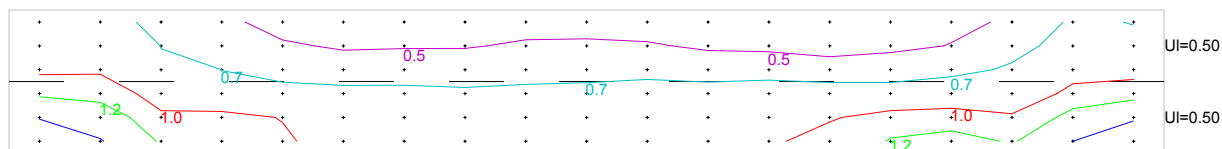
0.7	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.7	0.7
0.8	0.9	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.8	0.8
1.0	1.0	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.7	0.9	0.9
1.1	1.1	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	1.0	1.1
1.5	1.3	1.0	1.0	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.1	1.0	1.3	1.4
1.9	1.5	1.2	1.2	1.0	0.9	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.1	1.2	1.3	1.2	1.5	1.8

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

Observer in Lane 2



### Main Results

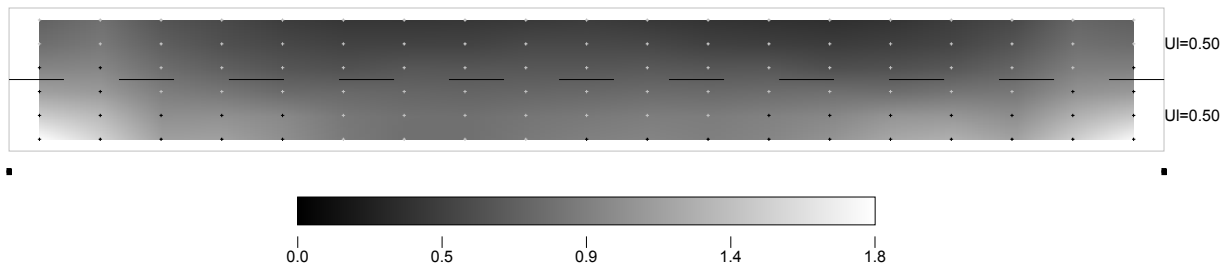
Observer in Lane 2

Lav	0.81
Lmin	0.35
Lmax	1.84
U0	0.43
UI	0.50
TI(%)	8.28



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

Observer in Lane 2



## Luminance (cd/m2)

Observer in Lane 2

0.7	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.7	0.7
0.8	0.9	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.6	0.8	0.8
1.0	1.0	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.9	0.9
1.2	1.1	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.1	1.1
1.5	1.3	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.0	1.3	1.4
1.8	1.5	1.2	1.2	1.0	0.9	0.8	0.8	0.9	0.9	1.0	0.9	1.0	1.1	1.2	1.3	1.2	1.5	1.8

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