

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



PROJECT No:

PROJECT NAME: komunikace_prujezdni_1_ME3b_50_5m_SON-T_150W

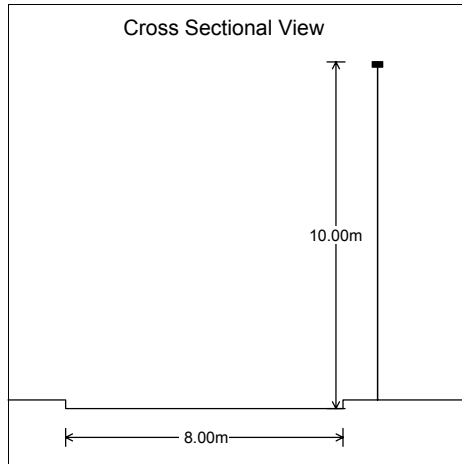
Roadway Lighting Report

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

e-mail: sales@lightingreality.eu.com
website: www.lightingreality.eu.com

Roadway Report Summary

Layout



Road Data

Calculation Grid	CEN Luminance
Width (m)	8.00
No. of Lanes	2
Road Surface	C1
Q0	0.10
Lane Width (m)	4.00
SR Width (m)	5.00

Main Lighting

Column Data

Configuration	Single Sided Right
Spacing (m)	50.50
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	2687 SNN/2D
Lamp(s)	1SON-T 150W
Lamp Flux (klm)	17.50
File Name	INR4978
Maintenance Factor	1.00
Lum. Int. Class	G3



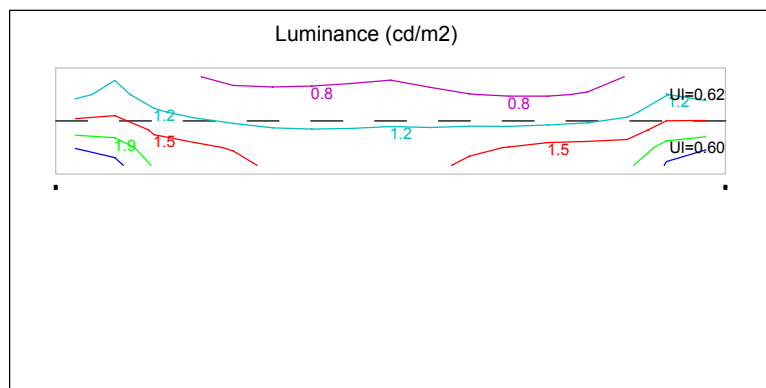
Results

Main

Complies with ME3b

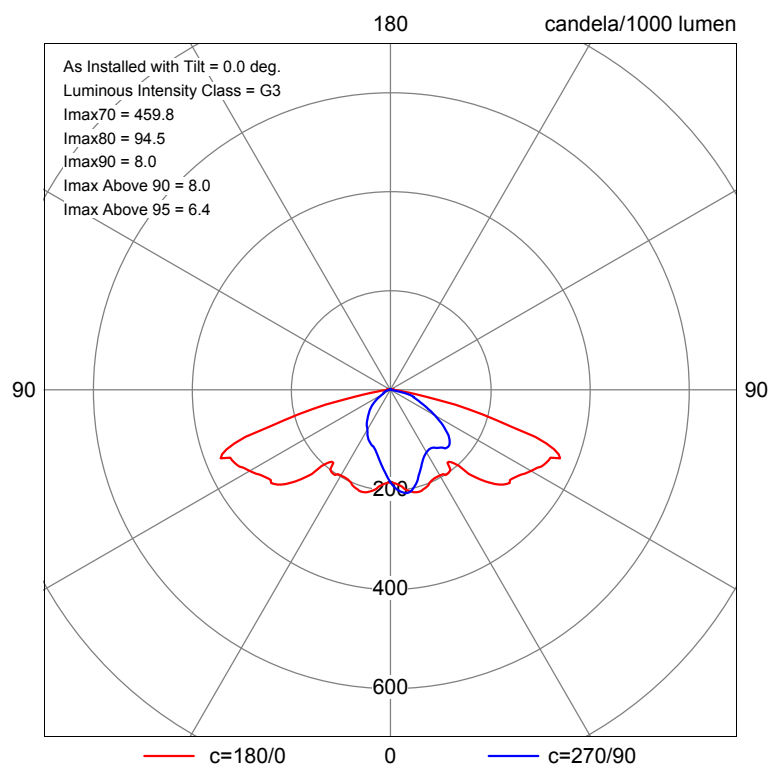
Lavmin	1.30 (1)
Lmin	0.62 (1)
Lmax	2.83 (1)
U0min	0.48 (2)
Ulmin	0.60 (1)
TI(%)	13.07 (1)
SR	0.81

Number in brackets is the Observer Lane for Result shown.



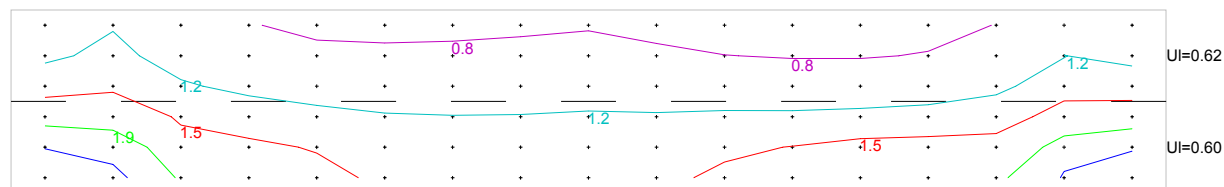
Polar Diagram

Main Luminaire 2687 SNN/2D



Luminance (cd/m²)

Observer in Lane 1



Main Results

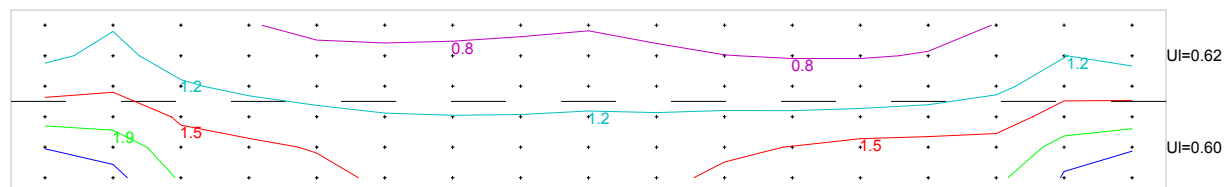
Observers in all Lanes

Lavmin	1.30 (1)
Lmin	0.62 (1)
Lmax	2.83 (1)
U0min	0.48 (2)
Ulmin	0.60 (1)
Tlmax(%)	13.07 (1)
SR	0.81

Number in brackets is the
Observer Lane for Result shown.

Luminance (cd/m²)

Observer in Lane 1



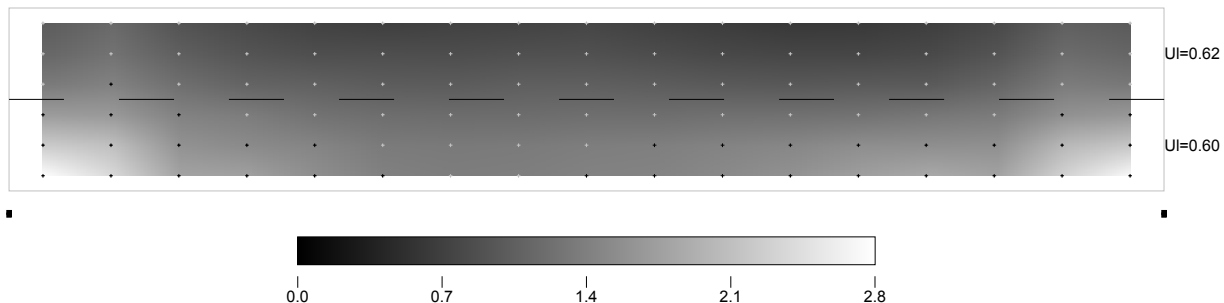
Main Results

Observer in Lane 1

Lav	1.30
Lmin	0.62
Lmax	2.83
U0	0.48
UI	0.60
TI(%)	13.07

Luminance (cd/m²)

Observer in Lane 1



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Luminance (cd/m²)

Observer in Lane 1

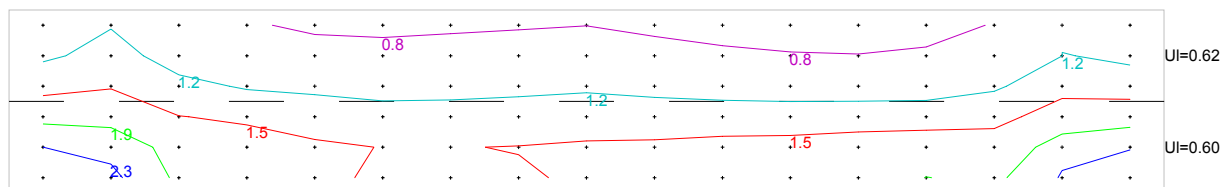
• 1.0	• 1.2	• 0.9	• 0.8	• 0.7	• 0.7	• 0.7	• 0.7	• 0.8	• 0.7	• 0.7	• 0.6	• 0.6	• 0.7	• 0.8	• 1.1	• 1.0	UI=0.62
• 1.1	• 1.3	• 1.1	• 0.9	• 0.9	• 0.9	• 0.9	• 0.9	• 0.9	• 0.9	• 0.8	• 0.8	• 0.8	• 0.8	• 0.9	• 1.2	• 1.1	
• 1.4	• 1.4	• 1.2	• 1.1	• 1.1	• 1.0	• 1.0	• 1.1	• 1.1	• 1.0	• 1.0	• 1.0	• 1.0	• 1.0	• 1.1	• 1.4	• 1.3	
• 1.7	• 1.7	• 1.5	• 1.4	• 1.3	• 1.2	• 1.2	• 1.2	• 1.2	• 1.2	• 1.3	• 1.3	• 1.3	• 1.3	• 1.4	• 1.6	• 1.7	UI=0.60
• 2.3	• 2.1	• 1.6	• 1.5	• 1.5	• 1.4	• 1.4	• 1.4	• 1.4	• 1.4	• 1.5	• 1.5	• 1.6	• 1.6	• 1.6	• 2.1	• 2.2	
• 2.8	• 2.4	• 1.8	• 1.8	• 1.6	• 1.4	• 1.4	• 1.4	• 1.4	• 1.5	• 1.5	• 1.6	• 1.8	• 1.9	• 1.8	• 2.4	• 2.8	

■

■

Luminance (cd/m²)

Observer in Lane 2



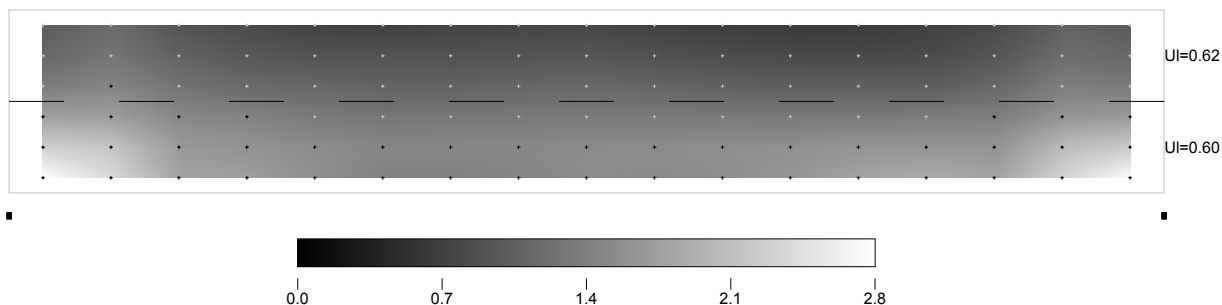
Main Results

Observer in Lane 2

Lav	1.34
Lmin	0.64
Lmax	2.80
U0	0.48
UI	0.62
TI(%)	8.04

Luminance (cd/m²)

Observer in Lane 2



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Luminance (cd/m²)

Observer in Lane 2

• 1.0	• 1.2	• 0.9	• 0.8	• 0.7	• 0.7	• 0.8	• 0.8	• 0.8	• 0.7	• 0.7	• 0.6	• 0.7	• 0.7	• 0.8	• 1.1	• 1.0	UI=0.62
• 1.2	• 1.3	• 1.1	• 1.0	• 0.9	• 0.9	• 0.9	• 0.9	• 0.9	• 0.9	• 0.9	• 0.8	• 0.8	• 0.8	• 1.0	• 1.2	• 1.1	
• 1.4	• 1.5	• 1.3	• 1.2	• 1.1	• 1.1	• 1.1	• 1.1	• 1.2	• 1.1	• 1.1	• 1.1	• 1.1	• 1.0	• 1.2	• 1.4	• 1.3	
• 1.8	• 1.7	• 1.5	• 1.5	• 1.4	• 1.3	• 1.3	• 1.3	• 1.4	• 1.3	• 1.4	• 1.3	• 1.3	• 1.4	• 1.4	• 1.7	• 1.7	UI=0.60
• 2.3	• 2.2	• 1.7	• 1.6	• 1.6	• 1.5	• 1.5	• 1.5	• 1.5	• 1.6	• 1.6	• 1.6	• 1.7	• 1.6	• 1.6	• 2.1	• 2.3	
• 2.8	• 2.4	• 1.8	• 1.8	• 1.6	• 1.4	• 1.4	• 1.5	• 1.5	• 1.5	• 1.6	• 1.7	• 1.8	• 1.9	• 1.8	• 2.4	• 2.8	

