

DATE: 11 říjen 2016
DESIGNER: Ing. Jan Masarik
PROJECT No: 25_50_00_2400SQ
PROJECT NAME: Zruc nad Sazavou - lokalita "Za Benzinkou"



Svetelne technicky vypocet osvetleni komunikace v lokalite "Za Benzinkou", verze: kratke roztece.
Komunikace je zatridena jako S4 s respektovanim regulace vykonu.
Eav=5,0lx
Emin=1,0lx

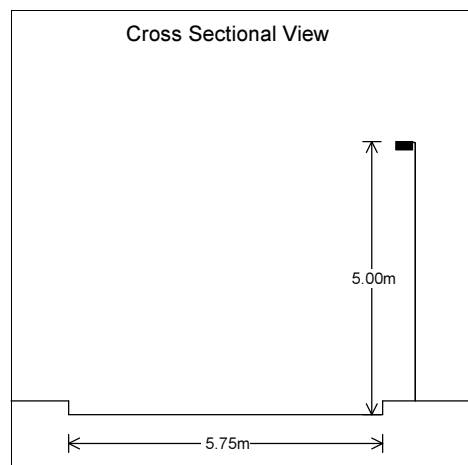
Roadway Lighting Report

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 Illuminance |
|------------------|-----------------|
| Width (m) | 5.75 |
| No. of Lanes | 2 |
| Road Surface | C2 |
| Q0 | 0.07 |

Main Lighting

Column Data

| Configuration | Single Sided Right |
|---------------|--------------------|
| Spacing (m) | 25.00 |
| Height (m) | 5.00 |
| Tilt (deg) | 5.00 |
| Setback (m) | 0.60 |
| Outreach (m) | 0.20 |
| Overhang (m) | -0.40 |

Luminaire Data

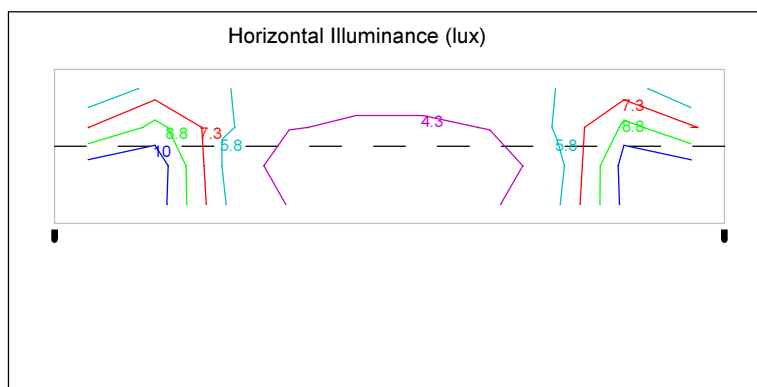
| Supplier | |
|----------------------|-------------------------------|
| Type | Square SRN |
| Lamp(s) | 10-18 DS-NW 1 850-4350 NW ... |
| LampFlux(klm)/Colour | 2.40 NW/70 |
| File Name | Stela Square SRN 10-18 DS-... |
| Maintenance Factor | 0.85 |
| Lum. Int. Class | G1 |

Results

Main

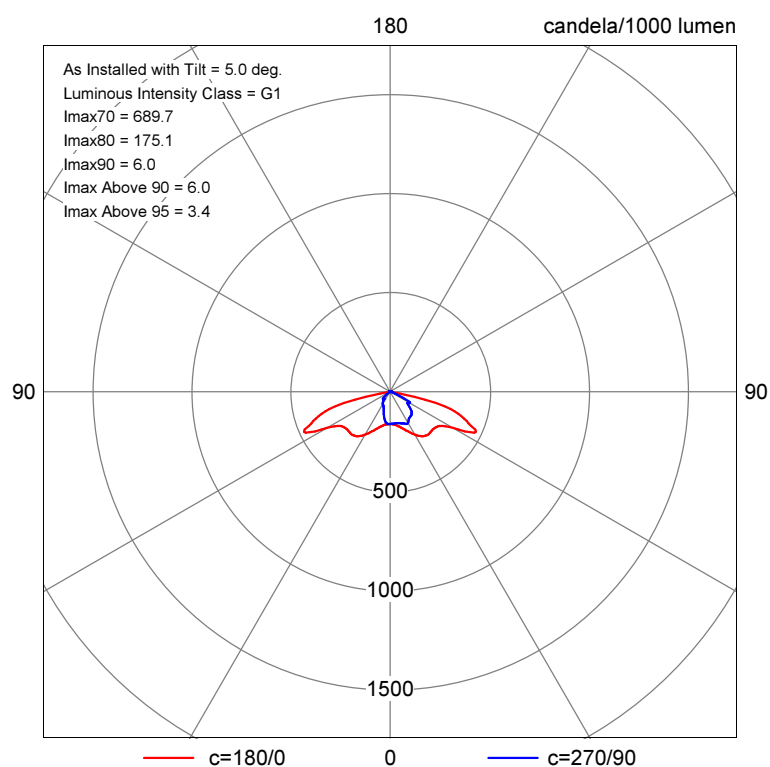
Complies with S4

| | |
|-----------|-------|
| Eav | 6.46 |
| Emin | 3.60 |
| Emax | 12.58 |
| Emin/Emax | 0.29 |
| Emin/Eav | 0.56 |

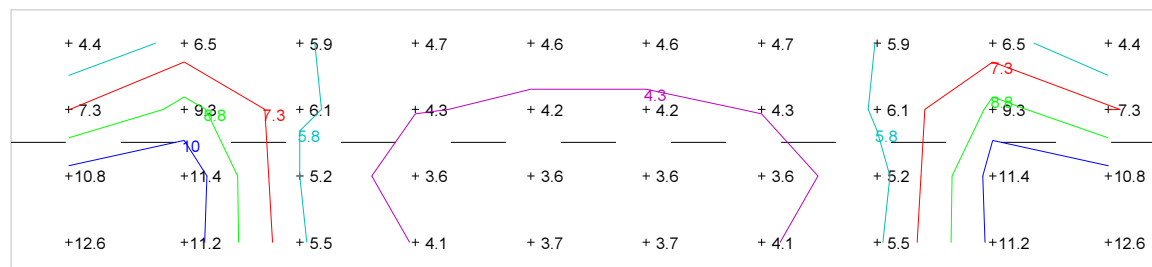


Polar Diagram

Main Luminaire Square SRN



Horizontal Illuminance (lux)



Main Results

| | |
|-----------|-------|
| Eav | 6.46 |
| Emin | 3.60 |
| Emax | 12.58 |
| Emin/Emax | 0.29 |
| Emin/Eav | 0.56 |