

Opava - Sportovní

Standard EN 13201 : 2015

Designer rs

Study # 645 2020

Date 18.09.2020

Application Ulysse 3.5.2

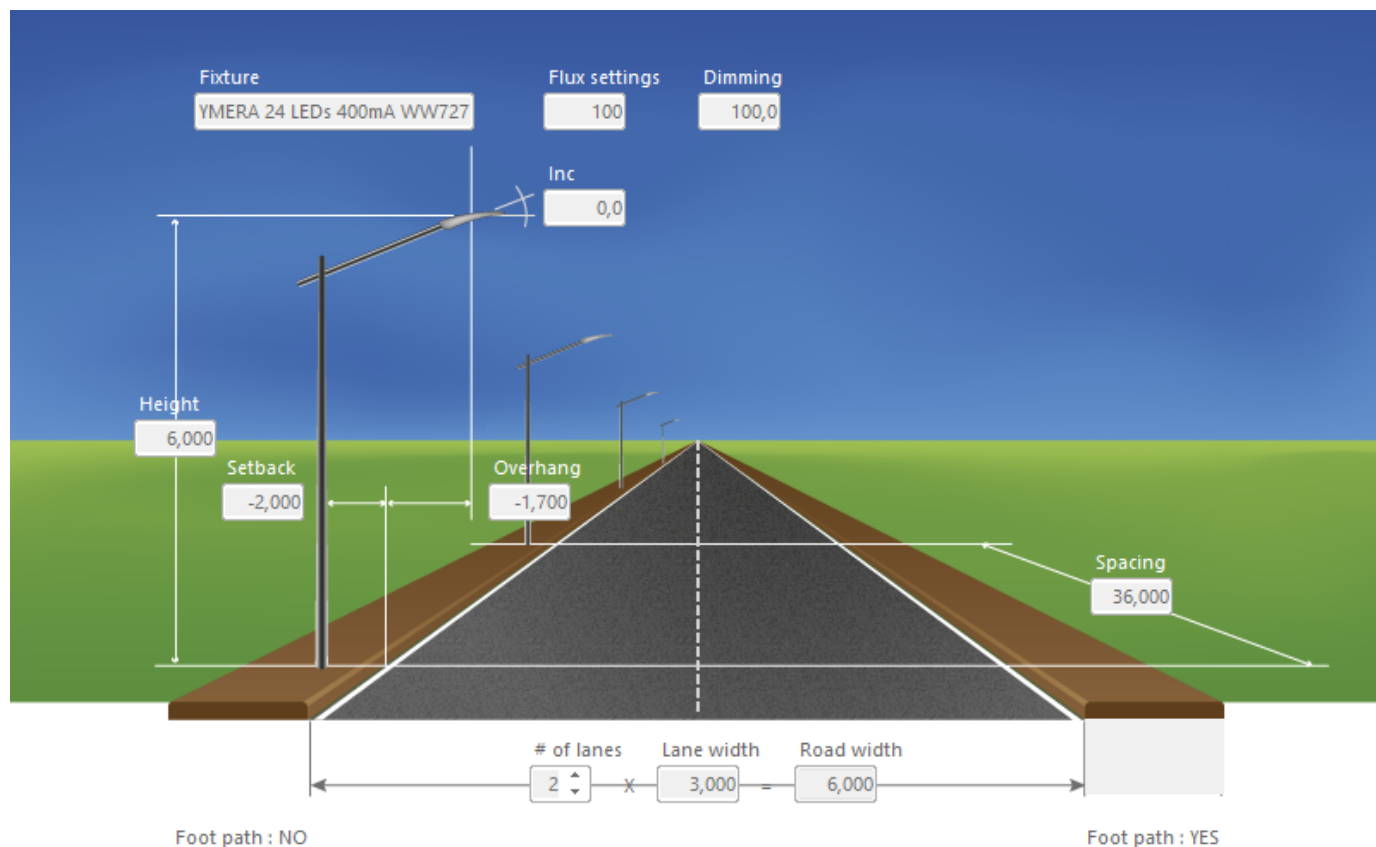
1. Standard

1.1. Standard summary

Calculations according to CEN 13201 : 2015

Selected lighting class Road : P4 - IL : Min = 1,00 lux Ave = 5,00 lux

Right footpath : P6 - IL : Min = 0,40 lux Ave = 2,00 lux



1.2. Results

Power per km 0,853 kW

Right footpath

Illuminance

Ave 2,06 lx ✓
Min 1,09 lx ✓
Uo 53 % H/H_A

Road (IL-HS)

Illuminance

Min 2,32 lx ✓ 1,00 lx
Ave 5,87 lx ✓ 5,00 lx
Max 20,57 lx H/H_A
Uo 39 % H/H_A

2.1. YMERA 24 LEDs 400mA WW727 Flat glass 5249 446532

Reflector 5249

Source 24 LEDs 400mA WW727

Protector Flat glass

Source flux 4,285 klm

G* 2

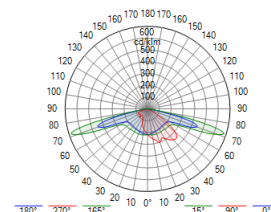
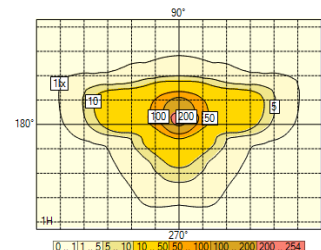
Luminaire wattage 30,7 W

MF 0,80


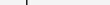
Matrix 446532

Luminaire flux 3,537 klm

Efficacy 115 lm/W



3.1. Matrix description

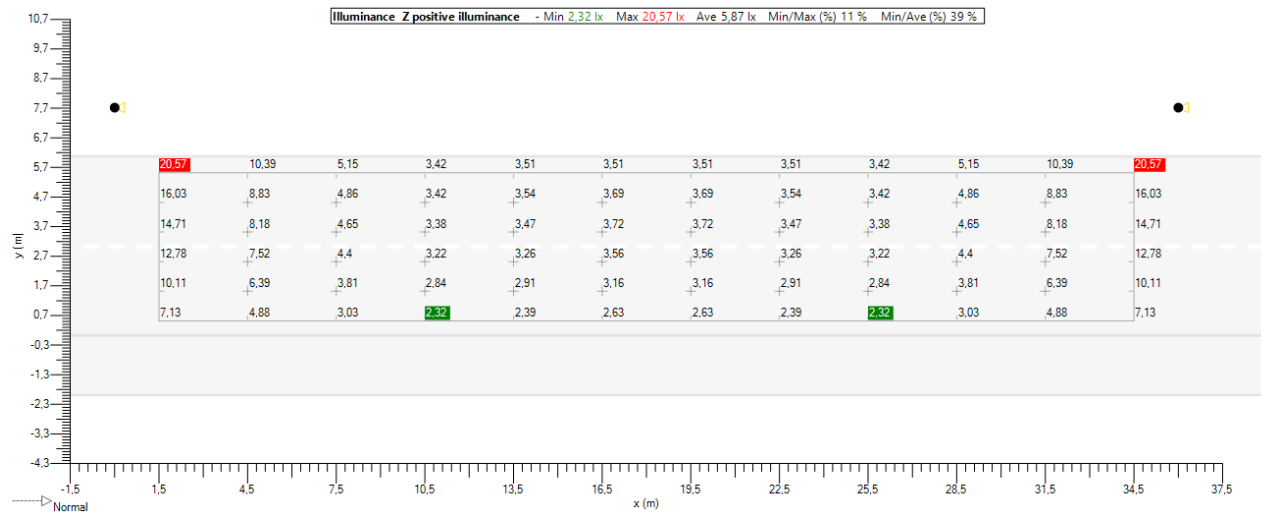
Ph. color	Description	Current [mA]	Source flux [klm]	Luminair e flux [klm]	Power [W]	Efficacy [lm/W]	MF	Height [m]	Fixture
	YMER A 24 LEDs 400mA WW727 Flat glass 5249 446532	400	4,285	3,537	30,7	115	0,800	10 x 6,00	

3.2. Luminaire groups

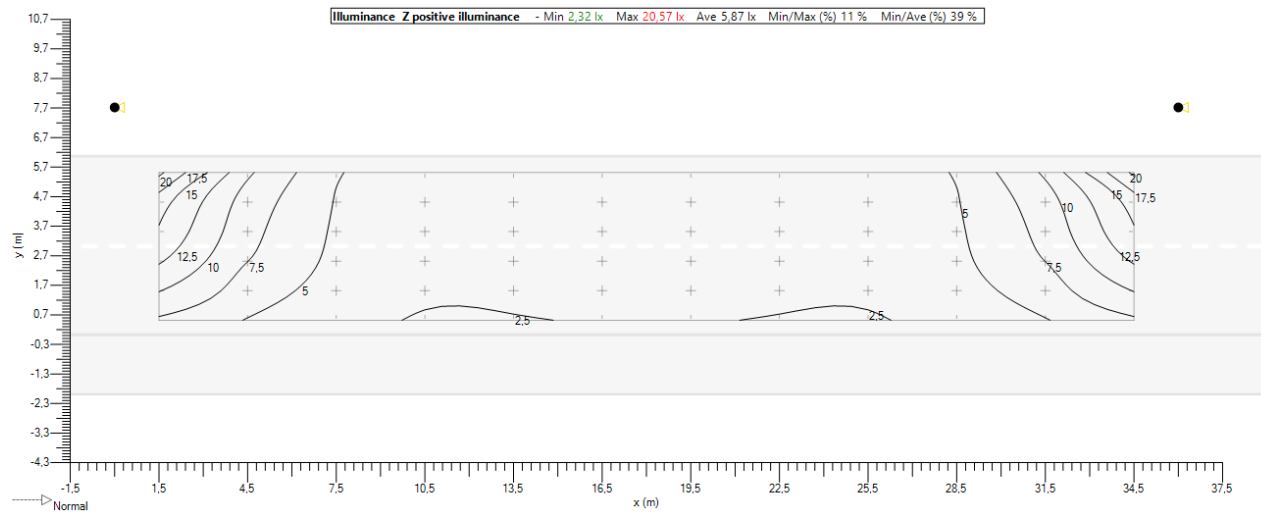
Linear																
	Color	N°	Position			Luminaire					Dimension			Rotation		
			X [m]	Y [m]	Z [m]	Name	Az [°]	Incl [°]	Rot [°]	Dim [%]	Count	Spacing [m]	Size [m]	X [°]	Y [°]	Z [°]
<input checked="" type="checkbox"/>	Black	1	-144,0	7,7	6,0	Left	180,0	0,0	0,0	100	10	36,0	324,0	0,0	0,0	0,0

3.3. Road (IL-HS) - Z positive

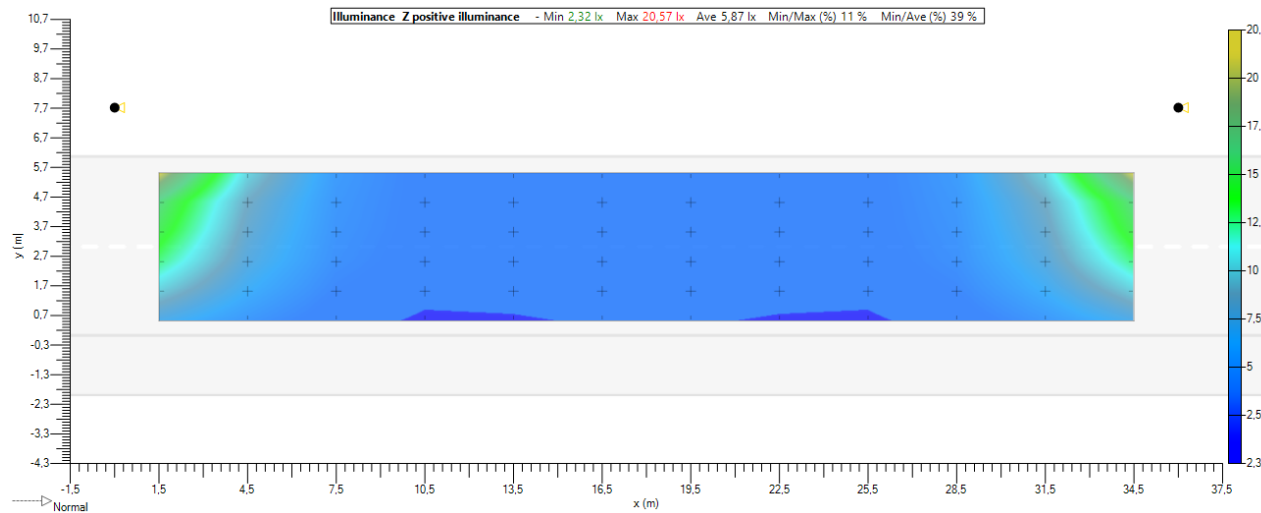
Values



Isolevel

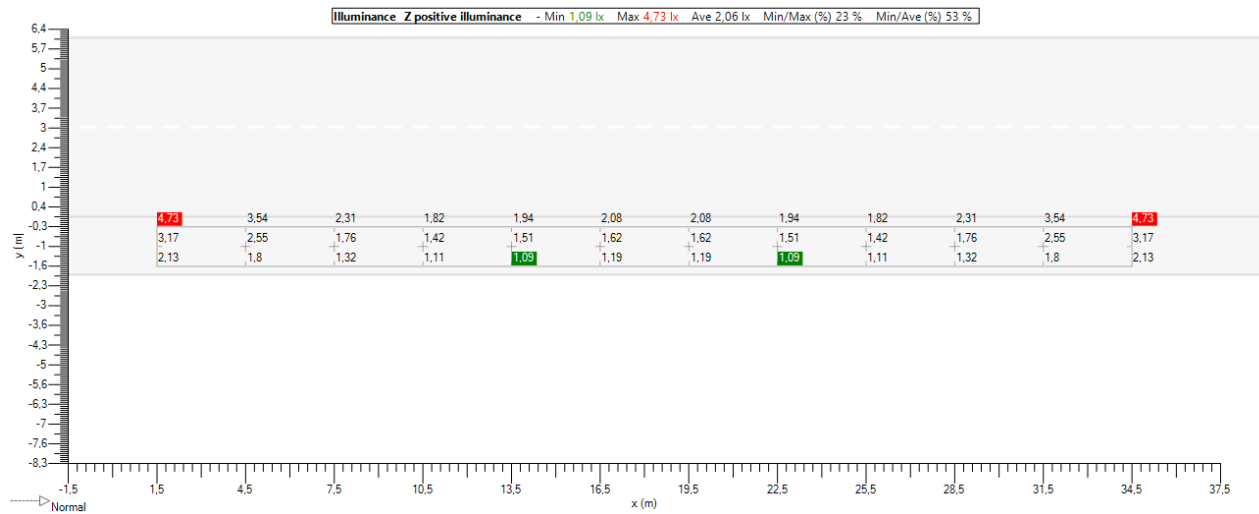


Shading

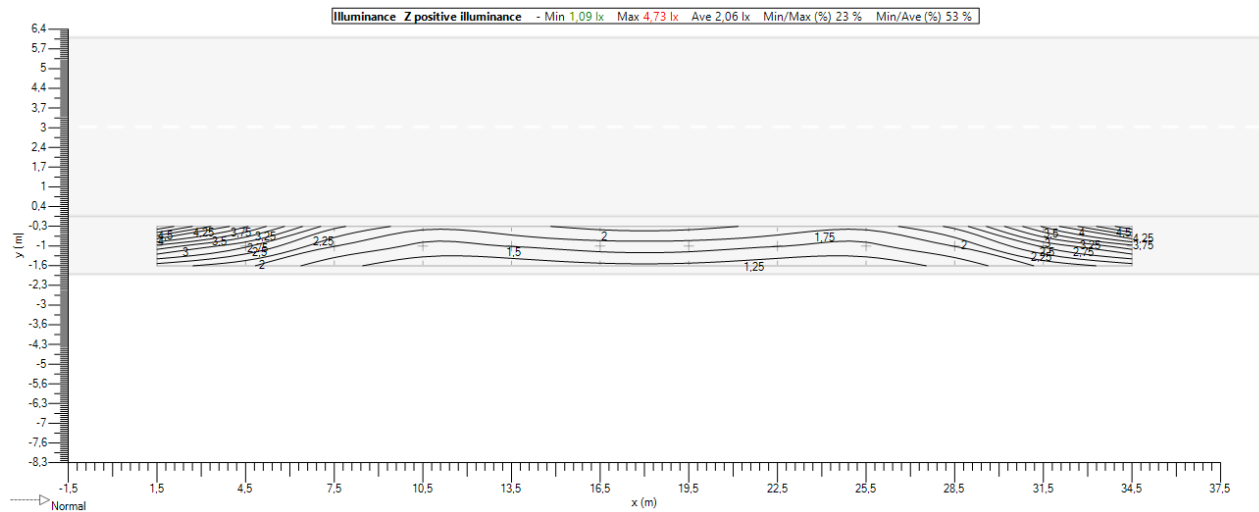


3.4. Right footpath (LUL-IL-HS) - Z positive

Values



Isolevel



Shading

