

Praha - Českolipská

Standard EN 13201 : 2015

Designer rs

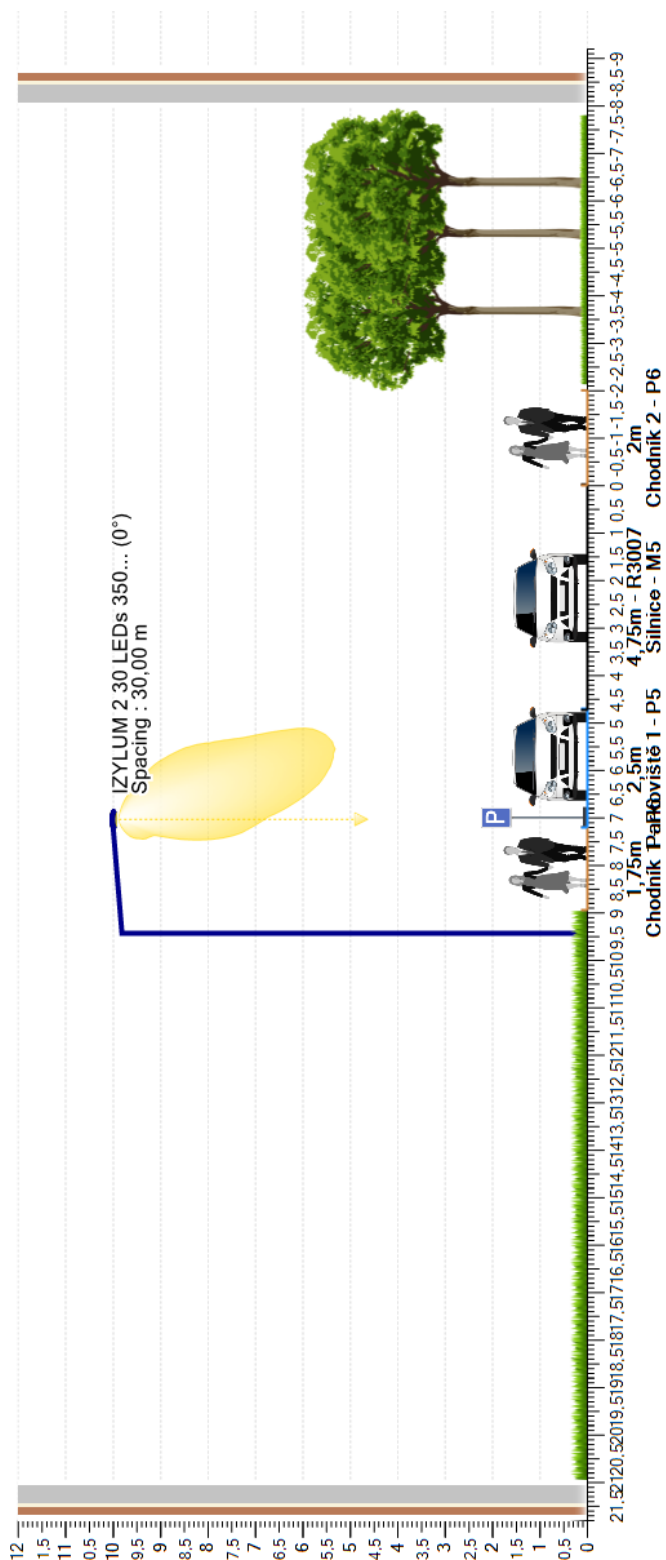
Study # 521 2022

Date 28.07.2022

Application Ulysse 3.5.5

1. Cross section

1.1. 2D View



2. Fixtures

2.1. IZYLUM 2 30 LEDs 350mA WW730 Flat glass 5302 Back light 449242

Type IZYLUM 2

Reflector 5302

Source 30 LEDs 350mA WW730

Protector Flat glass

Source flux 5,550 klm

G* 3

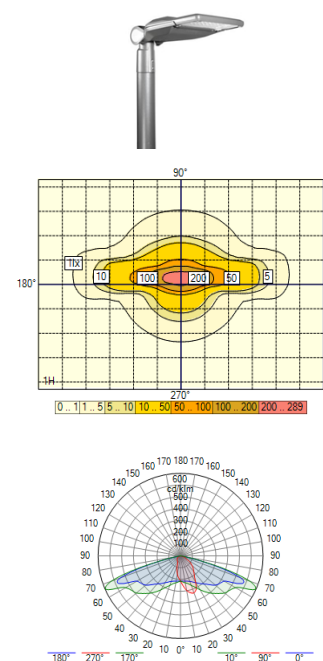
Luminaire wattage 32,7 W

MF 0,80

Matrix 449242

Luminaire flux 4,249 klm

Efficacy 130 lm/W



3. Results

3.1. Grid summary

Fasáda 1 (IL)

1. Y negative illuminance	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Dynamic cross section	0,14	0	0	0,00	0,45

N/A

Chodník 1 (IL)

P6 (IL : Min = 0,40 lux Ave = 2,00 lux)

1. Z positive illuminance	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Dynamic cross section	6,38	41	26	2,62	10,04

✓

Parkoviště 1 (IL)

P5 (IL : Min = 0,60 lux Ave = 3,00 lux)

1. Z positive illuminance	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Dynamic cross section	10,3	66	48	6,8	14,1

✓

Silnice (LU)

M5 (LU : Ave = 0,50 cd/m² Uo = 35 % UI = 40 % UoW = 15 % TI : 15 % EIR : 0,30)

1. Luminance - RTable - R3007	Ave (A) (cd/m²)	Min/Ave (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
Dynamic cross section - Observer 1 (-60,00; 2,38; 1,50)	0,58	54	33	0,32	0,94	87 %

✓

Silnice (IL)

1. Z positive illuminance	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Dynamic cross section	8,87	60	38	5,33	13,96

N/A

Chodník 2 (IL)

P6 (IL : Min = 0,40 lux Ave = 2,00 lux)

1. Z positive illuminance	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Dynamic cross section	3,64	60	40	2,19	5,45

✓

Fasáda 2 (IL)

1. Y positive illuminance	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Dynamic cross section	0,35	0	0	0,00	1,14

N/A

3.2. Observer summary

Silnice (TI 1)

M5 (LU : Ave = 0,50 cd/m² Uo = 35 % UI = 40 % UoW = 15 % TI : 15 % EIR : 0,30)

	TI
Dynamic cross section - Direction (0,0)	7

3.3. Values summary



EIR road

M5 (LU : Ave = 0,50 cd/m² Uo = 35 % UI = 40 % UoW = 15 % TI : 15 % EIR : 0,30)


	EIR road
Dynamic cross section - Silnice (EIR)	0,30

4. Dynamic cross section

4.1. Matrix description

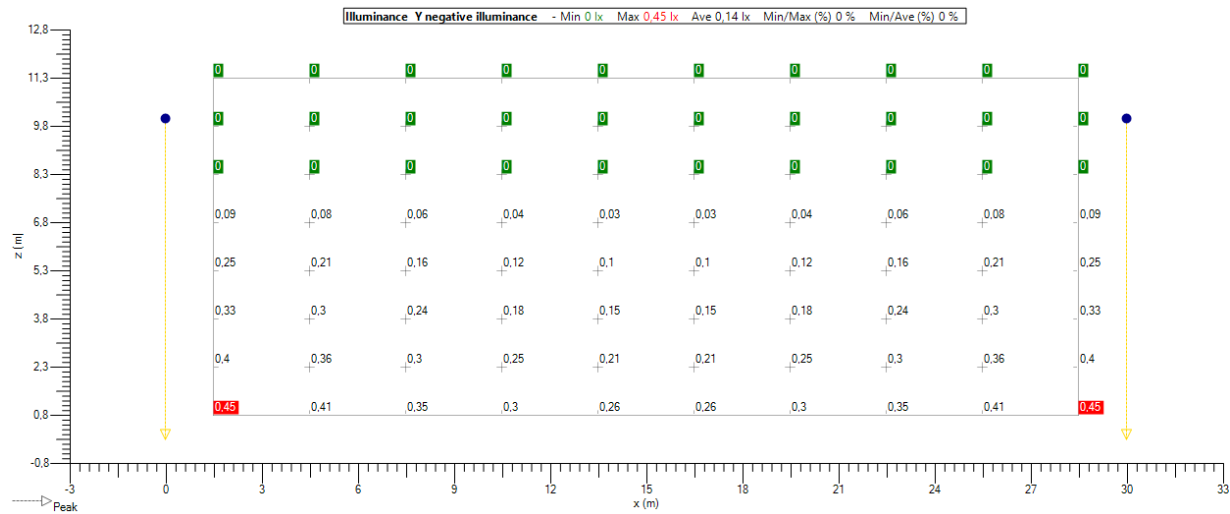
Ph. color	Description	Current [mA]	Source flux [klm]	Luminair e flux [klm]	Power [W]	Efficacy [lm/W]	MF	Height [m]	Fixture
	IZYLUM 2 30 LEDs 350mA WW730 Flat glass 5302 Back light 449242	350	5,550	4,249	32,7	130	0,800	10 x 10,00	

4.2. Luminaire groups

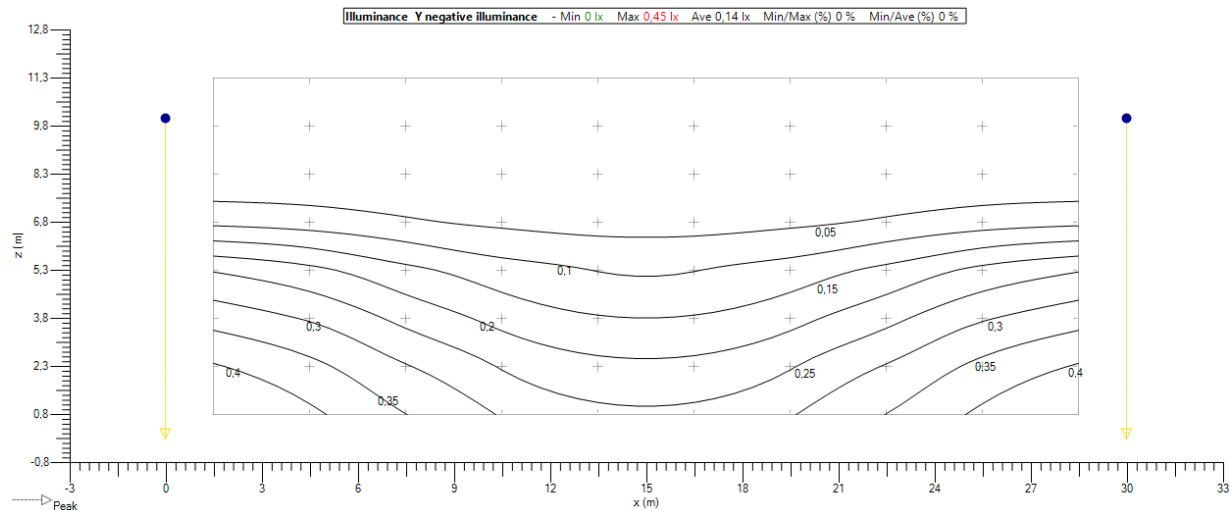
Linear																
	Color	N°	Position			Luminaire					Dimension			Rotation		
			X [m]	Y [m]	Z [m]	Name	Az [°]	Incl [°]	Rot [°]	Dim [%]	Count	Spacing [m]	Size [m]	X [°]	Y [°]	Z [°]
<input checked="" type="checkbox"/>		1	-120,00	7,20	10,00	Soustava VO	180,0	0,0	0,0	100	10	30,00	270,00	0,0	0,0	0,0

4.3. Fasáda 1 (IL) - Y negative

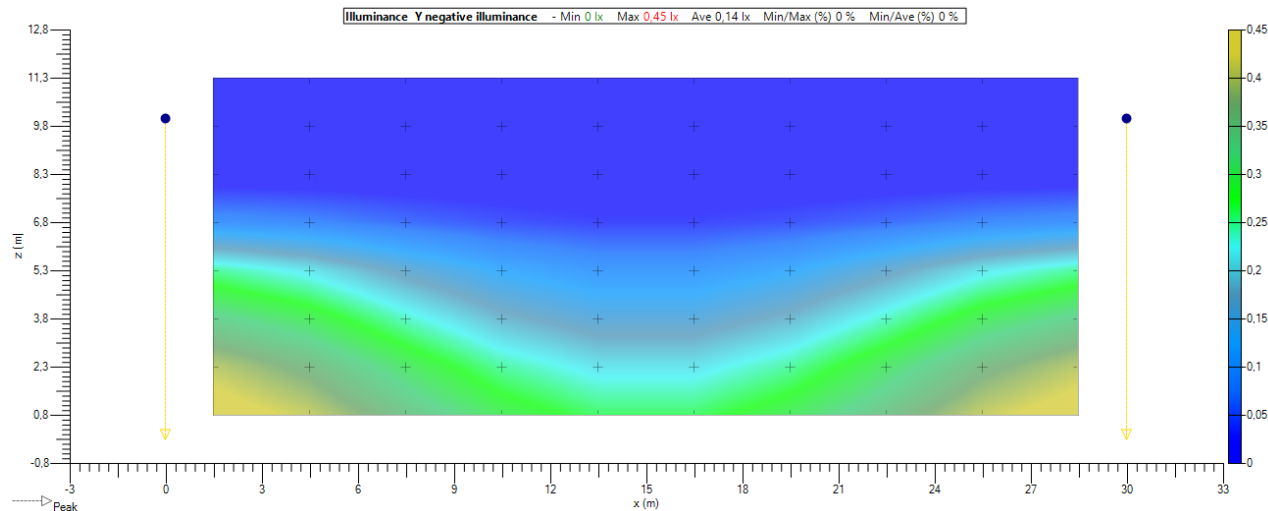
Values



Isolevel

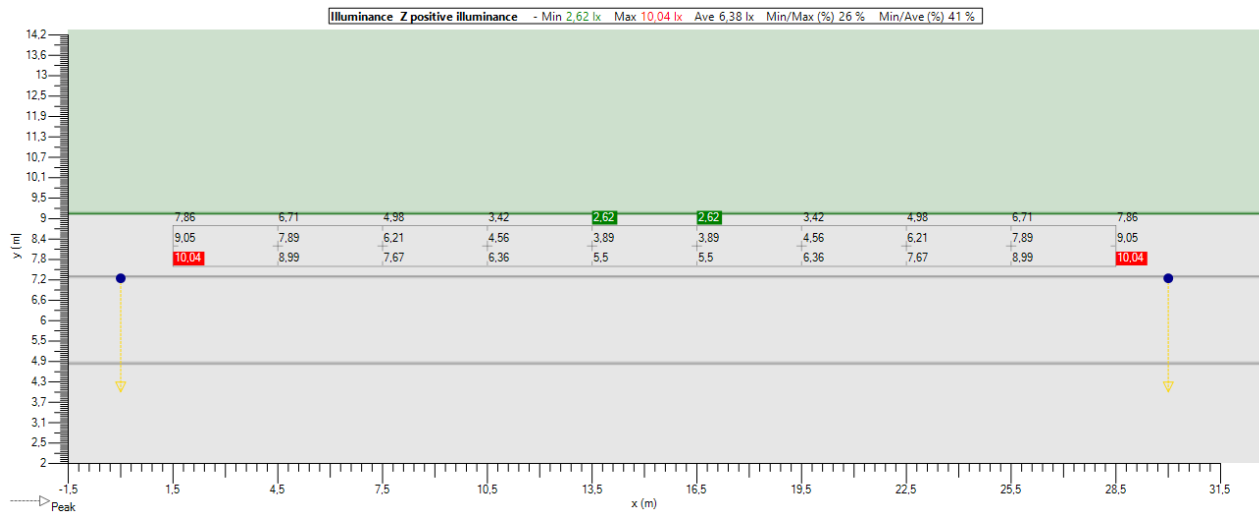


Shading

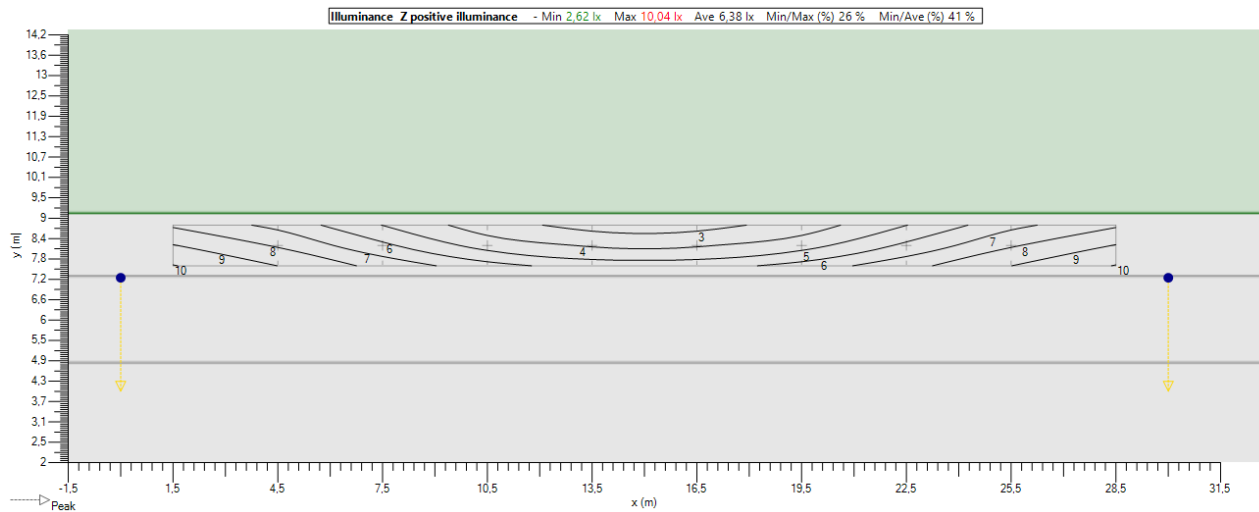


4.4. Chodník 1 (IL) - Z positive

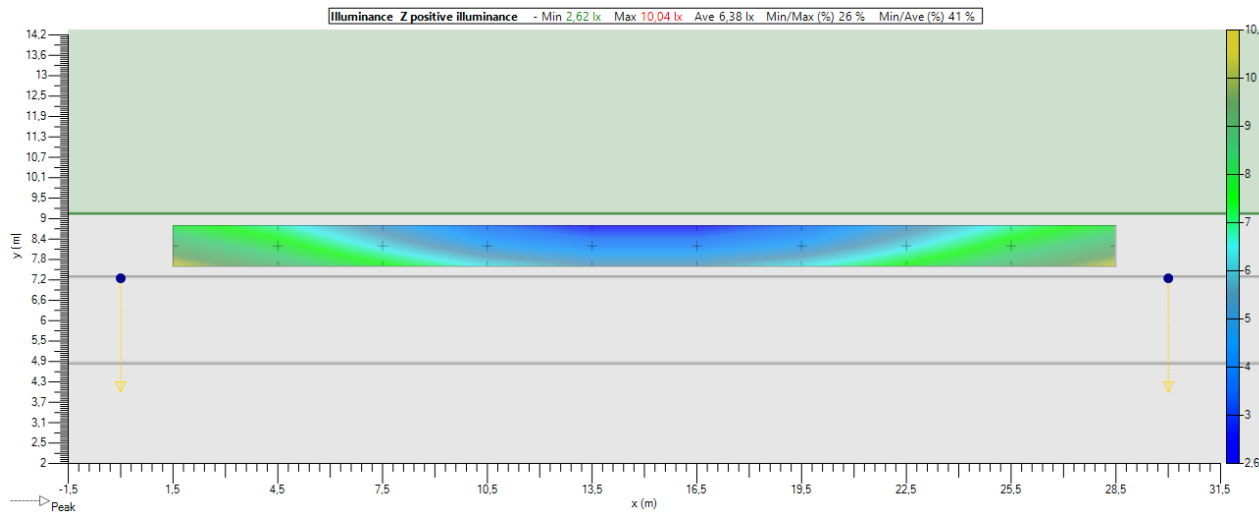
Values



Isolevel

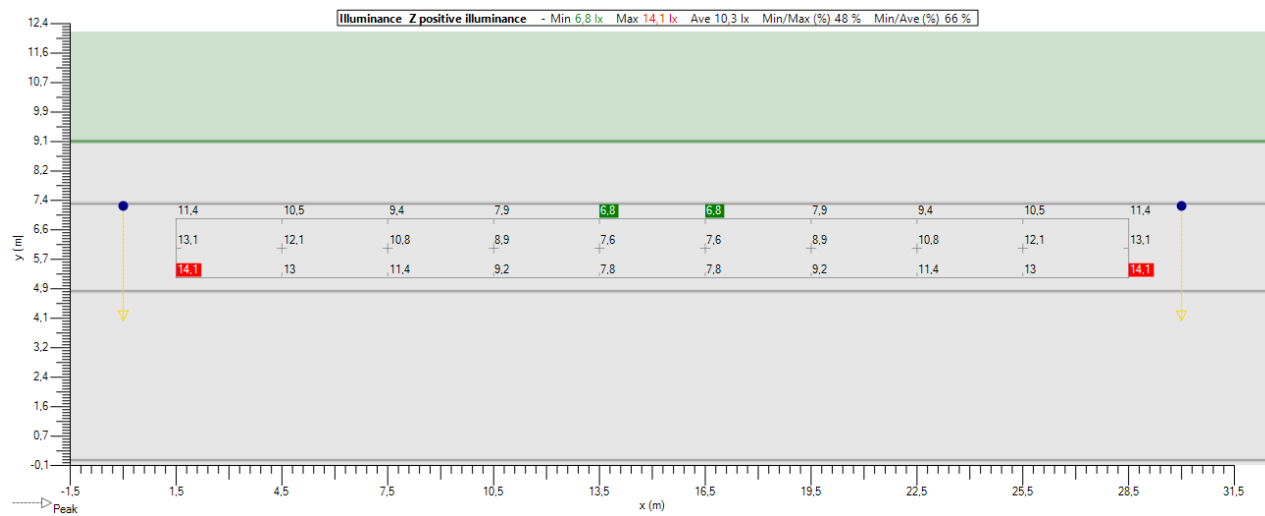


Shading

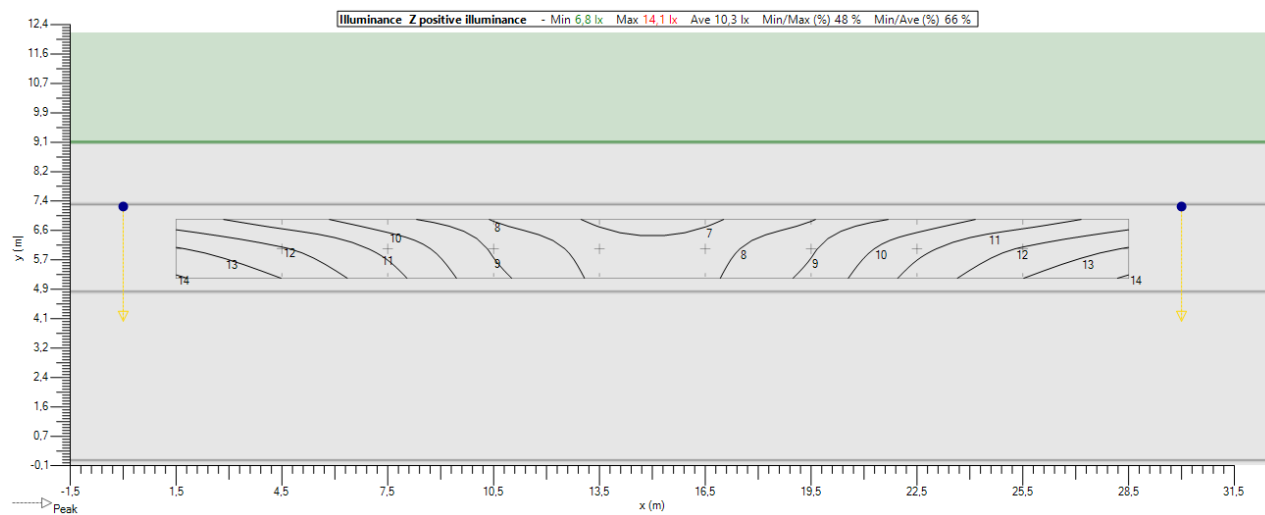


4.5. Parkoviště 1 (IL) - Z positive

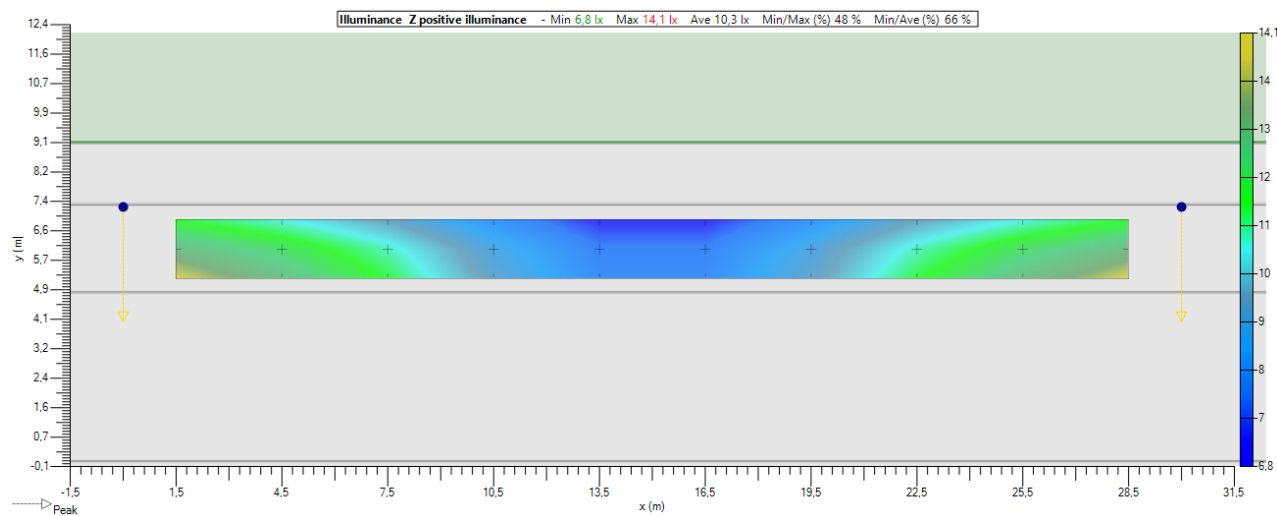
Values



Isolevel

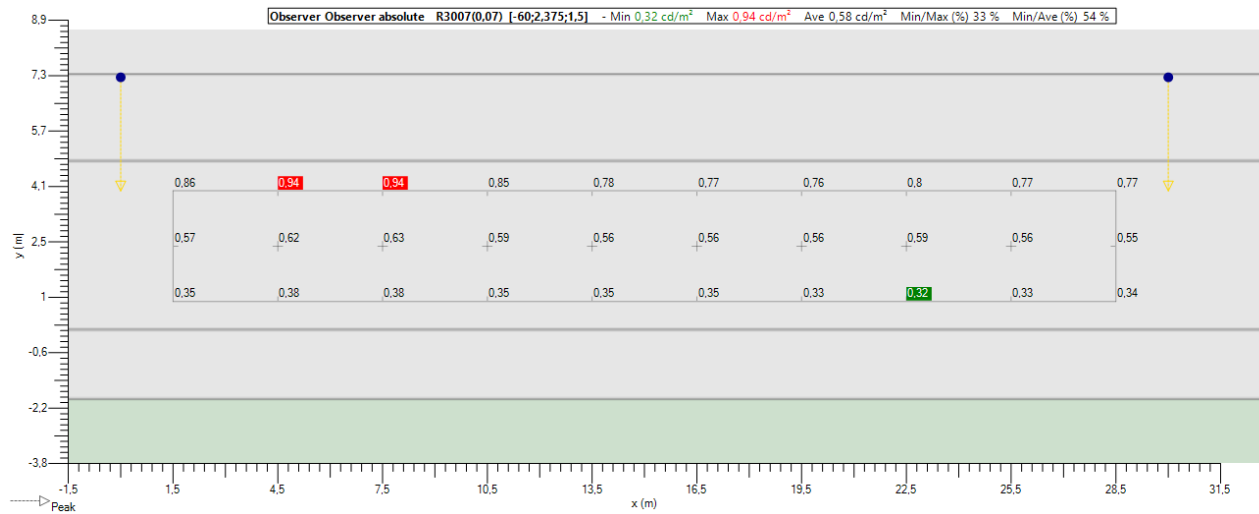


Shading

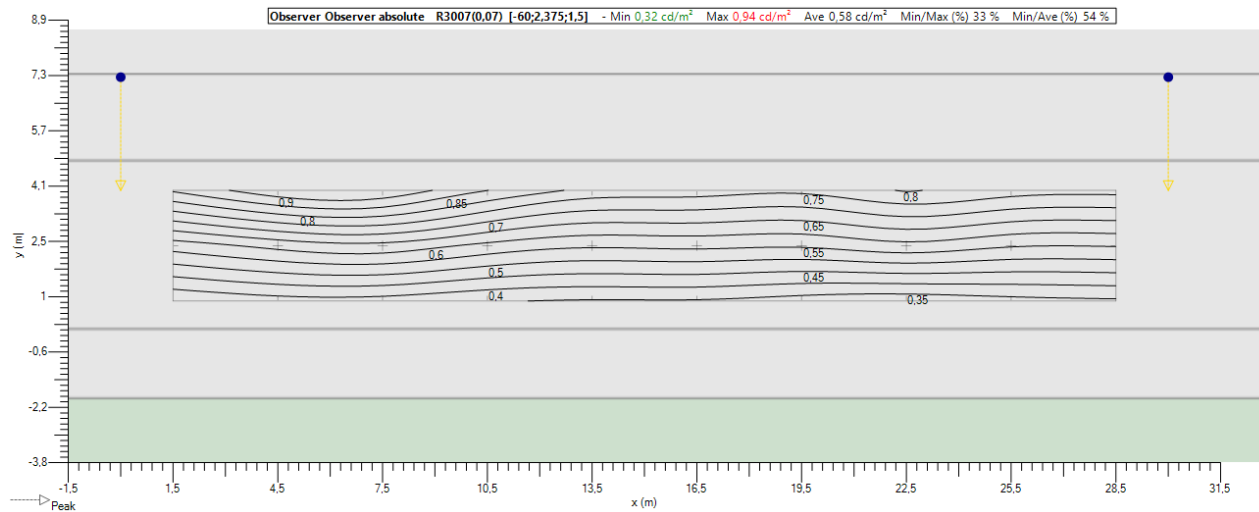


4.6. Silnice (LU) - Luminance RTable - Absolute 1

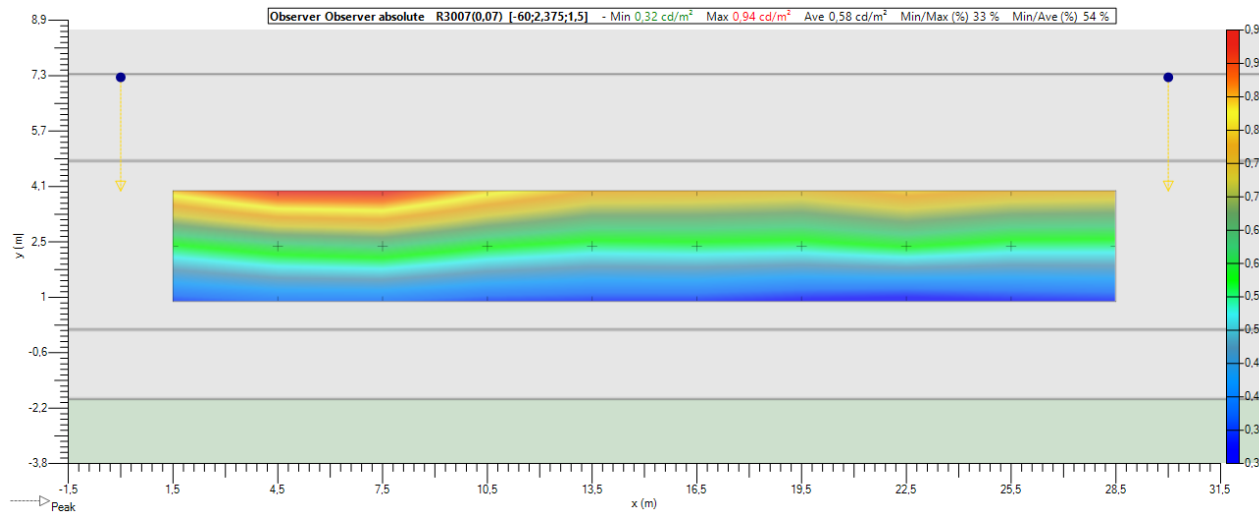
Values



Isolevel

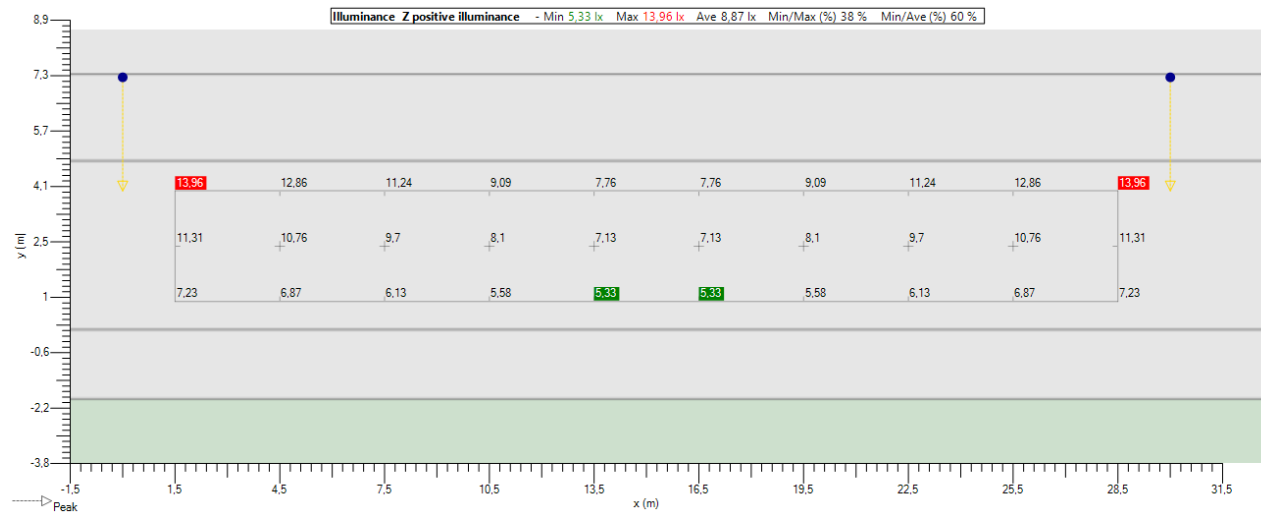


Shading

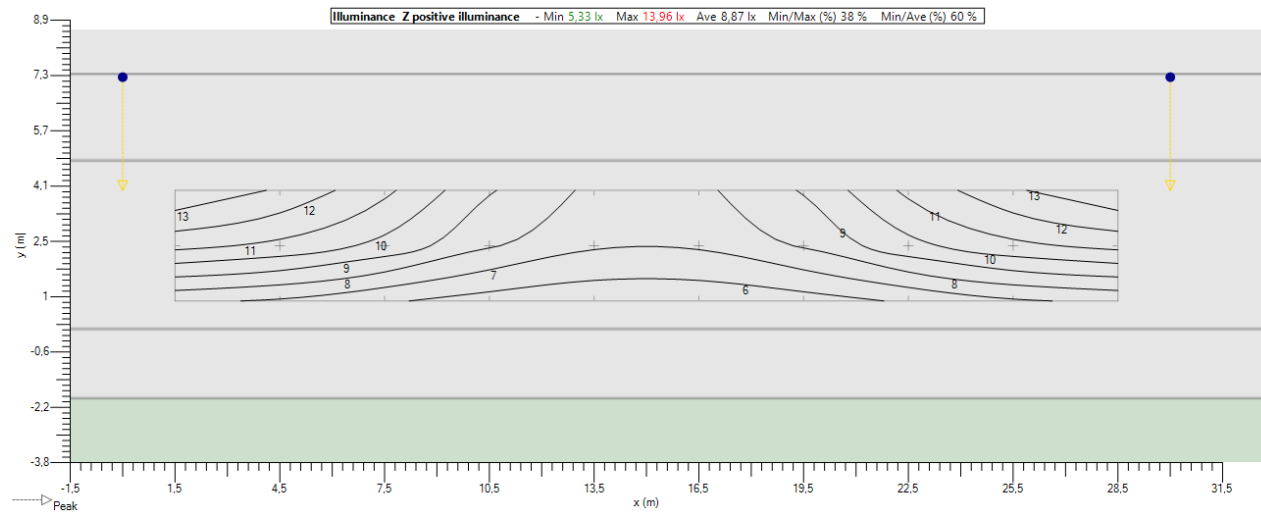


4.7. Silnice (IL) - Z positive

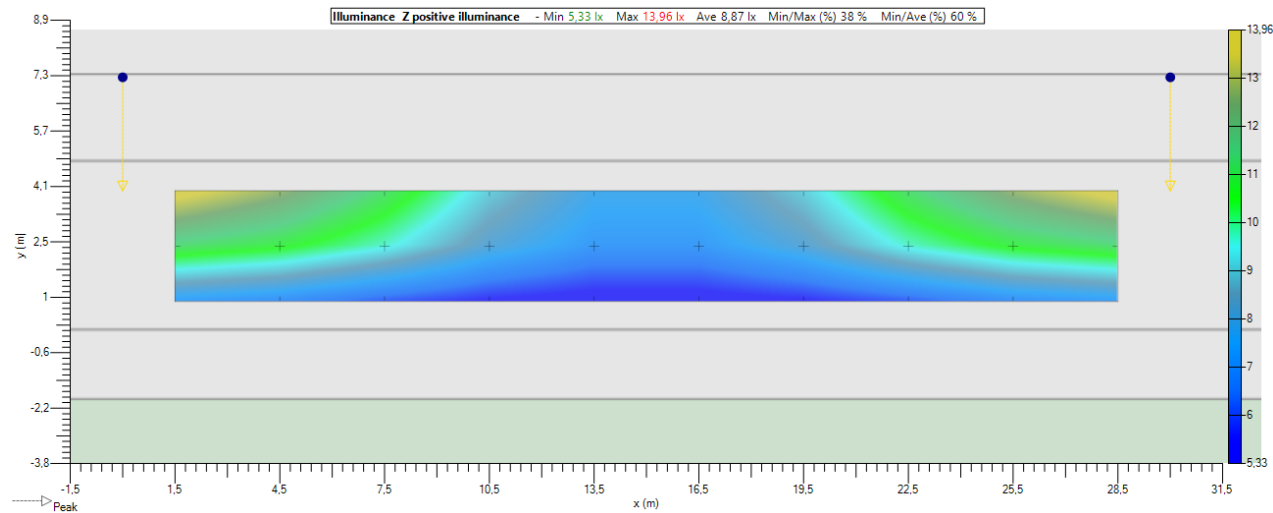
Values



Isolevel

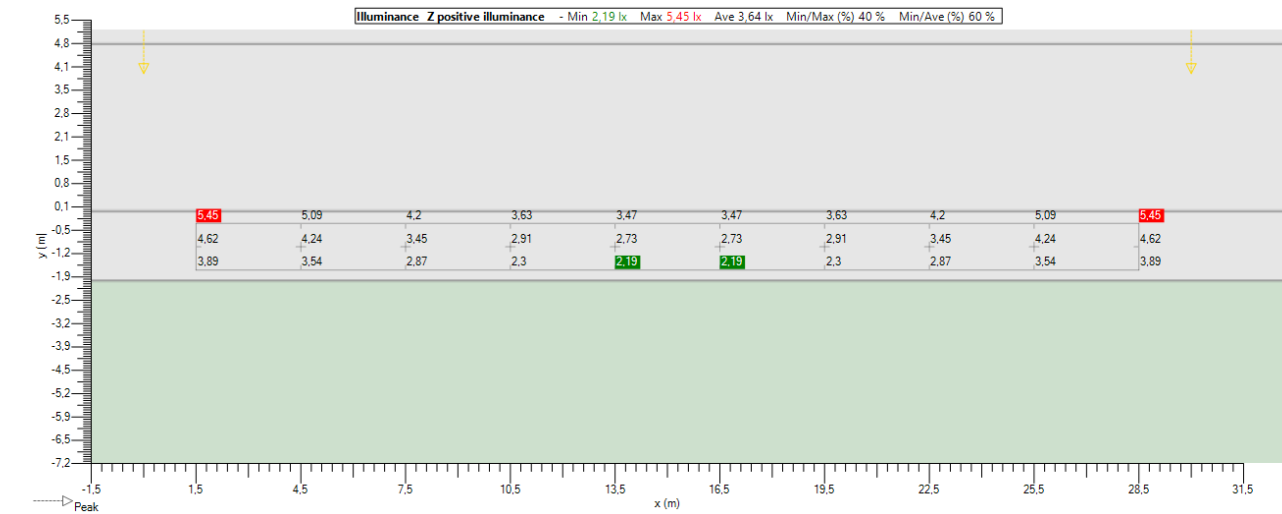


Shading

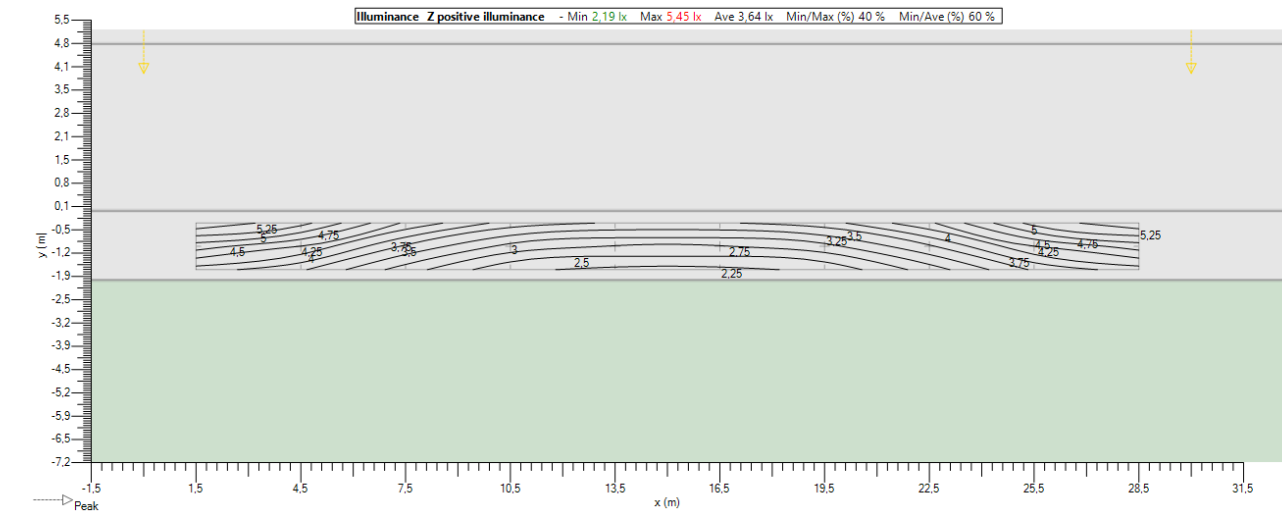


4.8. Chodník 2 (IL) - Z positive

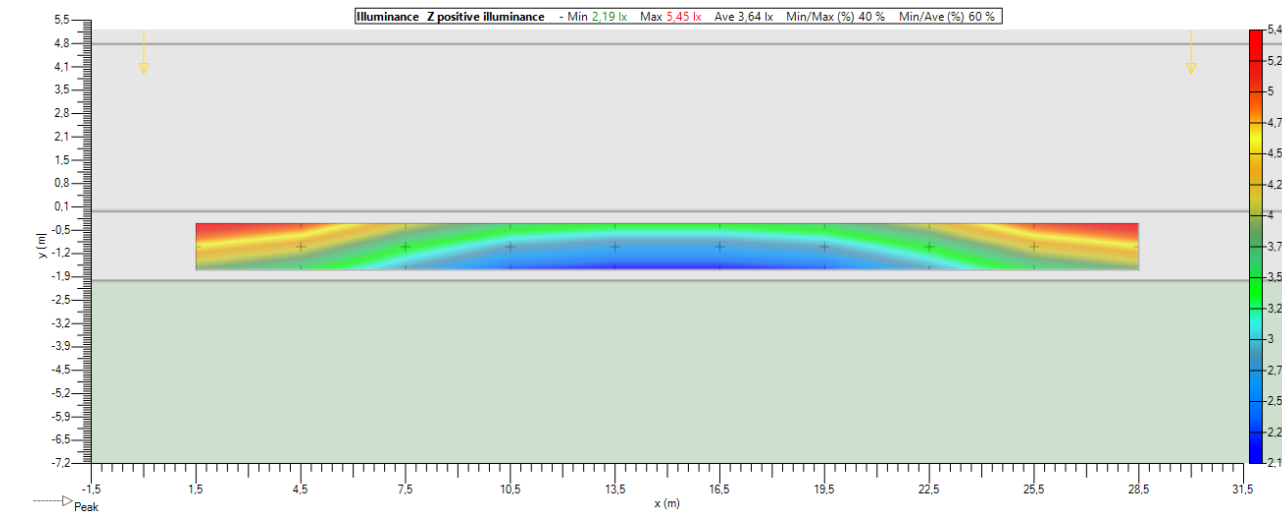
Values



Isolevel

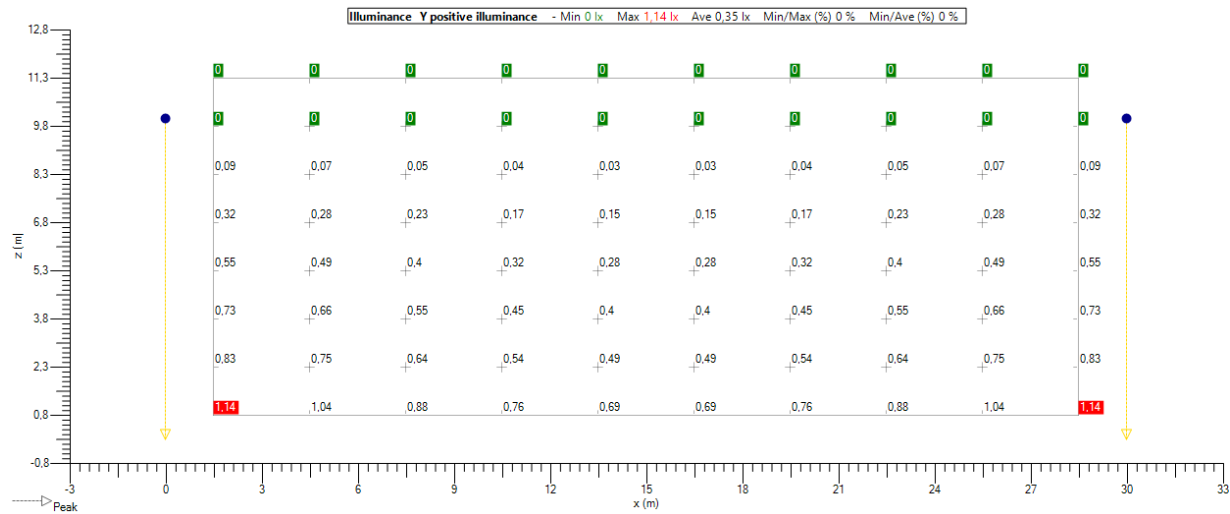


Shading

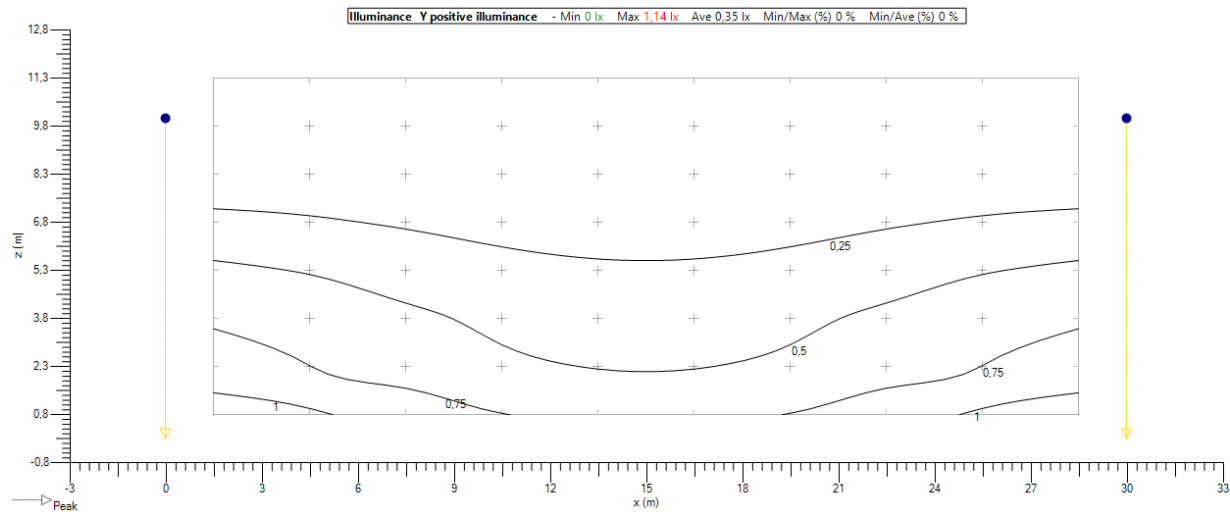


4.9. Fasáda 2 (IL) - Y positive

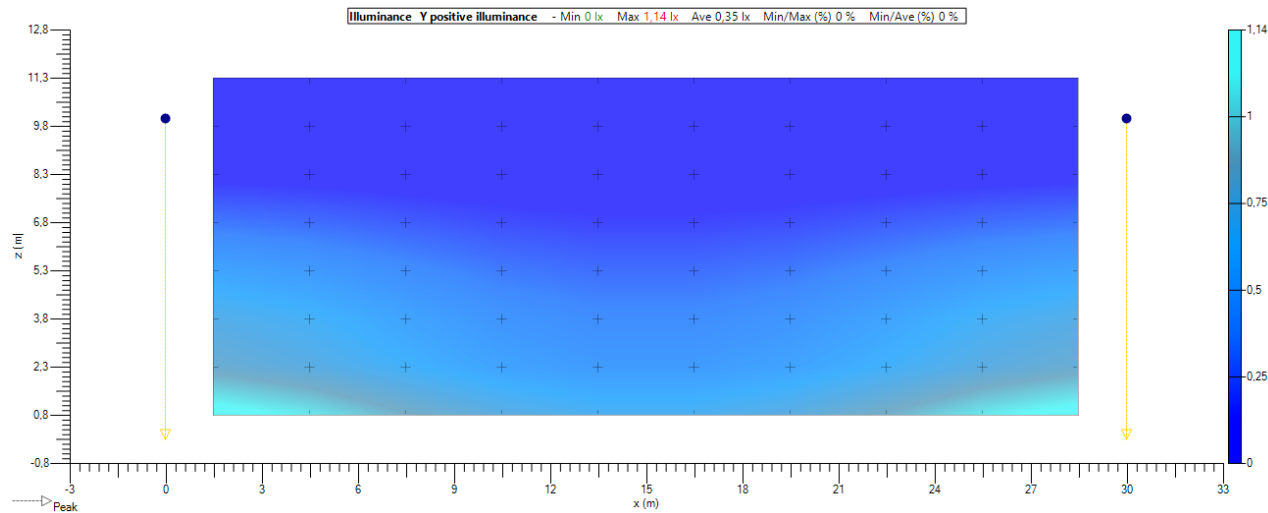
Values



Isolevel




Shading



5. Grids

5.1. Fasáda 1 (IL)

General


Type Grid rectangular XZ
Enabled ☒
Colour 

Geometry

Origin	X 1,50 m	Y 21,00 m	Z 0,75 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 10	Count Z 8	
	Spacing X 3,00 m	Spacing Z 1,50 m	
	Size X 27,00 m	Size Z 10,50 m	

5.2. Chodník 1 (IL)

General


Type Grid rectangular XY
Enabled ☒
Colour 

Geometry

Origin	X 1,50 m	Y 7,54 m	Z 0,00 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 10	Count Y 3	
	Spacing X 3,00 m	Spacing Y 0,58 m	
	Size X 27,00 m	Size Y 1,17 m	

5.3. Parkoviště 1 (IL)

General


Type Grid rectangular XY
Enabled ☒
Colour 

Geometry

Origin	X 1,50 m	Y 5,17 m	Z 0,00 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 10	Count Y 3	
	Spacing X 3,00 m	Spacing Y 0,83 m	
	Size X 27,00 m	Size Y 1,67 m	

5.4. Silnice (LU)

General

Type Grid rectangular XY
Enabled ☒
Colour 


Geometry

Origin	X 1,50 m	Y 0,79 m	Z 0,00 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 10	Count Y 3	
	Spacing X 3,00 m	Spacing Y 1,58 m	
	Size X 27,00 m	Size Y 3,17 m	

5.5. Silnice (IL)


General

Geometry

Type Grid rectangular XY	Origin	X 1,50 m	Y 0,79 m	Z 0,00 m
Enabled <input checked="" type="checkbox"/>	Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Colour 	Dimension	Count X 10	Count Y 3	
		Spacing X 3,00 m	Spacing Y 1,58 m	
		Size X 27,00 m	Size Y 3,17 m	

5.6. Chodník 2 (IL)

General


Type Grid rectangular XY
Enabled <input checked="" type="checkbox"/>
Colour 

Geometry

Origin	X 1,50 m	Y -1,67 m	Z 0,00 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 10	Count Y 3	
	Spacing X 3,00 m	Spacing Y 0,67 m	
	Size X 27,00 m	Size Y 1,33 m	

5.7. Fasáda 2 (IL)

General

Type Grid rectangular XZ
Enabled <input checked="" type="checkbox"/>
Colour 

Geometry

Origin	X 1,50 m	Y -8,00 m	Z 0,75 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 10	Count Z 8	
	Spacing X 3,00 m	Spacing Z 1,50 m	
	Size X 27,00 m	Size Z 10,50 m	