

Project :

File : D:\Vypocty_VO_Schreder\Lom_8m_01.lpf

General information : Standard CEN

Road details

Arrangement : 
 Driving : 
 Way : 

No. of lanes :
 Lane width : m
 Road width : m

RTable :
 Qo :

Calculation : ☒ Luminance
 ☒ Illuminance (Z Positive)
 ☐ Hemi-sph. ill.
 ☒ TI
 ☐ Illuminance (Y Positive)
 ☐ Semi-cyl. ill.

Luminaires details

Spacing : m
 Height : m
 Overhang : m
 Setback : m

Inclination : °

Type :
 Protector :

Reflector :
 Setting :

Source :
 Wattage : W
 Flux : klm
 MF :

982702


Summary

• Luminance

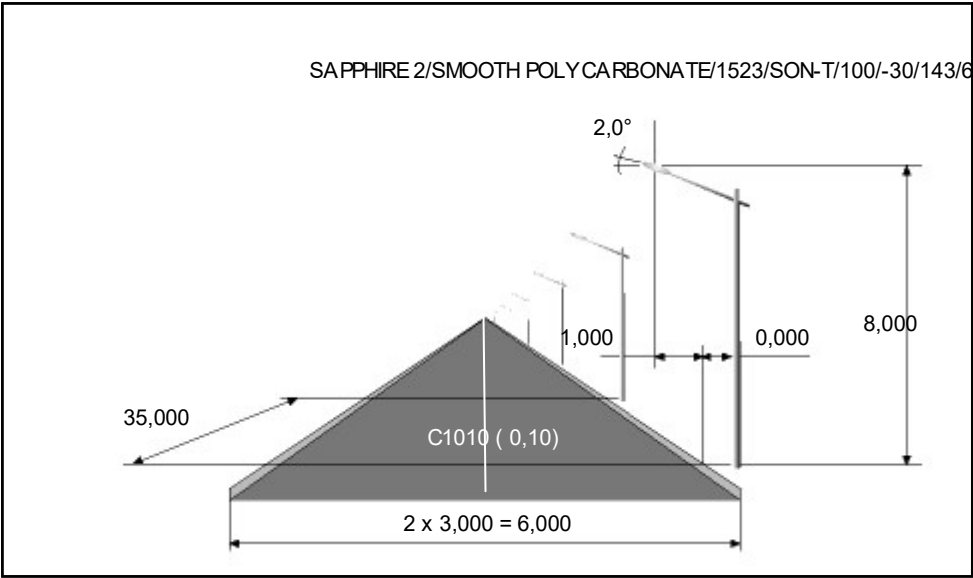
	1	2	
ObsY	1,500	4,500	m
LAve	1,73	1,77	cd/m ²
Uo	52,5	54,4	%
Ui	43,8	60,6	%
TI	12,4		%

Observer position : m

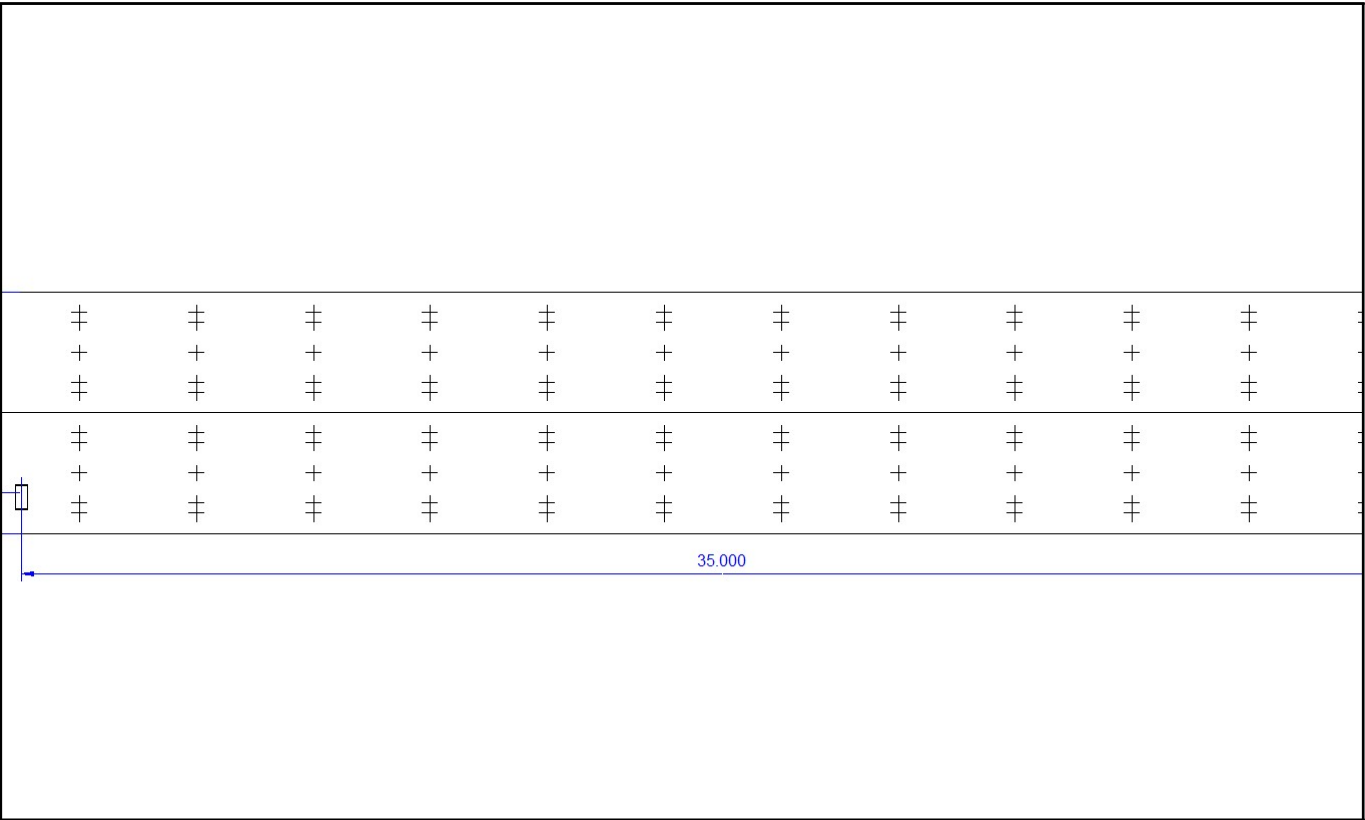
• Illuminance

EMin : lux
 EAve : lux

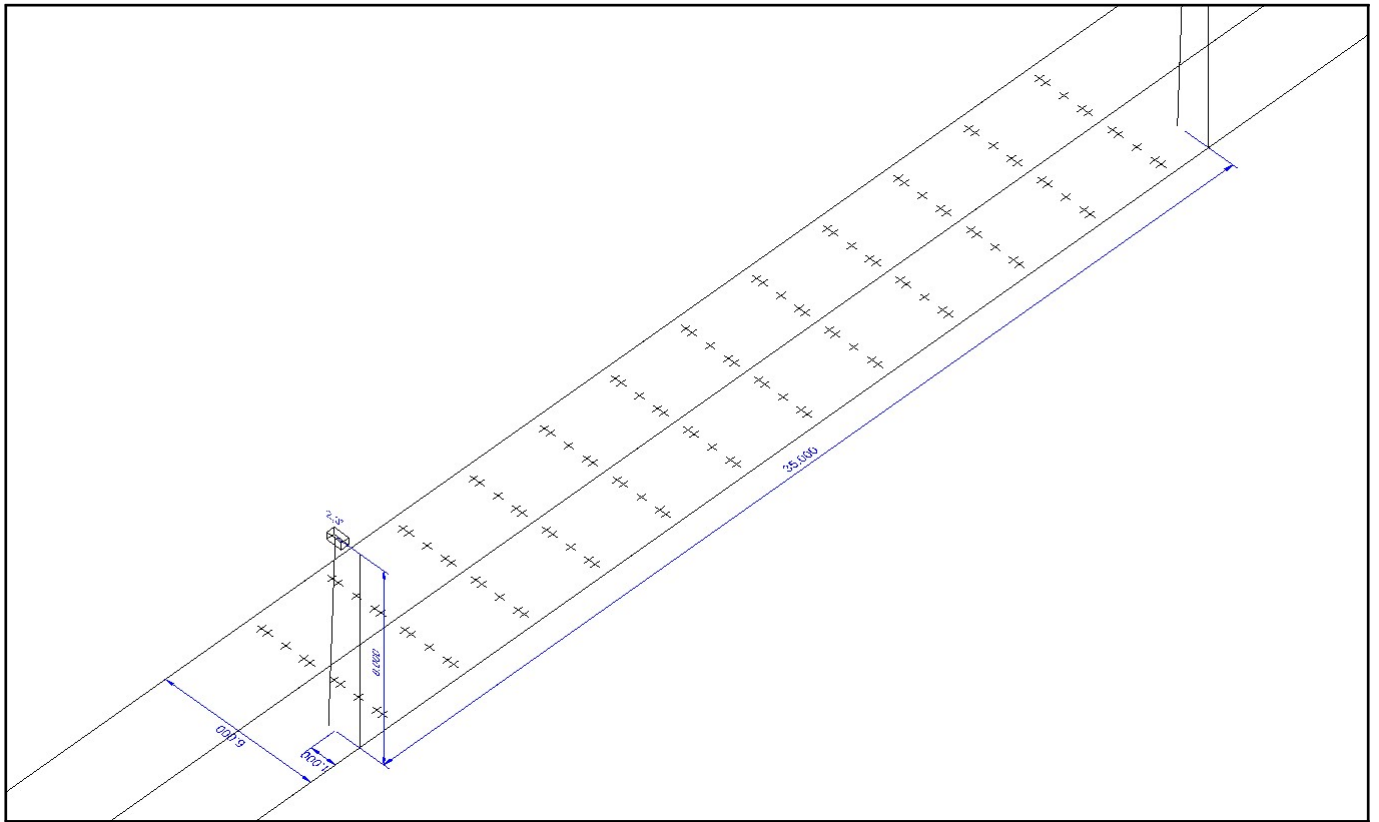
Schema



Plan view



3D View



Grid results

Master grid (1) : Luminance (<- -60,000; 1,500; 1,500) [cd/m²]

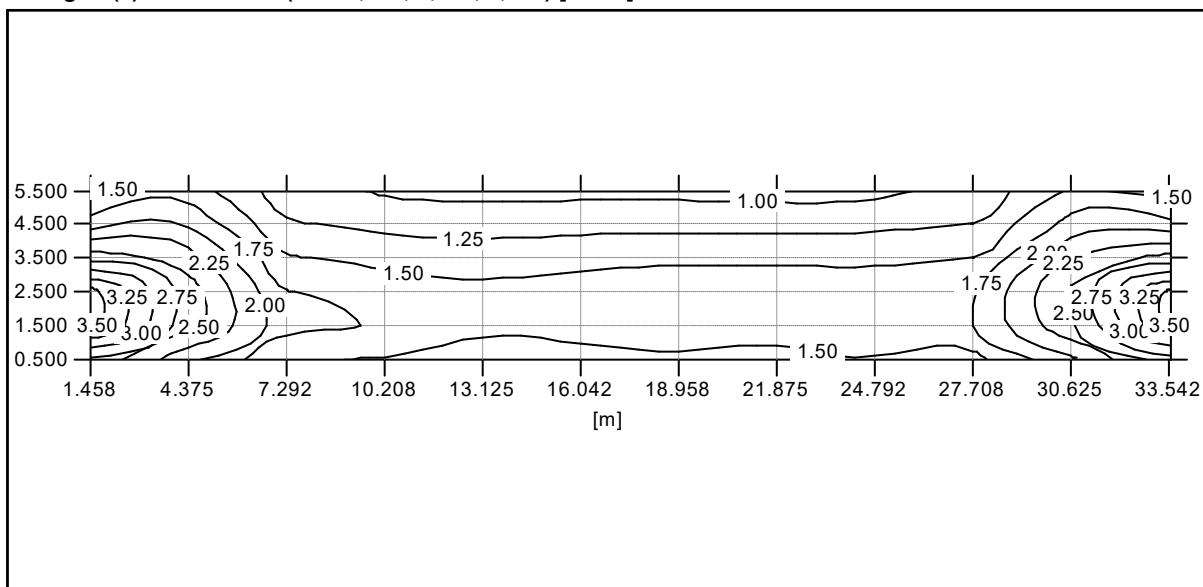
Min : 0,91 cd/m²Ave : 1,73 cd/m²Max : 3,60 cd/m²

Uo : 52,5 %

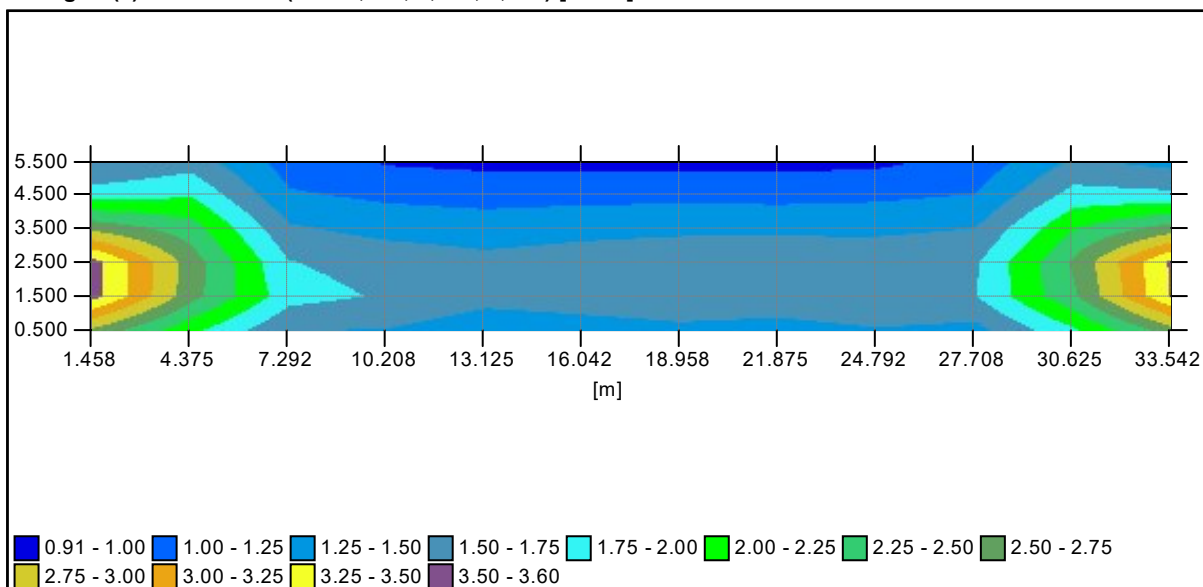
Ug : 25,3 %

5,500	1,45	1,62	1,12	0,96	0,93	0,93	0,92	0,91	0,94	1,08	1,52	1,40
4,500	1,86	1,97	1,28	1,19	1,15	1,16	1,18	1,16	1,19	1,25	1,84	1,80
3,500	2,67	2,37	1,53	1,41	1,38	1,42	1,44	1,44	1,44	1,50	2,24	2,61
2,500	3,59	2,63	1,76	1,65	1,57	1,62	1,67	1,68	1,68	1,72	2,54	3,55
1,500	3,60	2,60	1,85	1,72	1,58	1,61	1,65	1,65	1,71	1,75	2,46	3,52
0,500	2,71	2,08	1,51	1,49	1,36	1,41	1,45	1,42	1,49	1,43	1,96	2,66
Y/X	1,458	4,375	7,292	10,208	13,125	16,042	18,958	21,875	24,792	27,708	30,625	33,542

Master grid (1) : Luminance (<- -60,000; 1,500; 1,500) [cd/m²]



Master grid (1) : Luminance (<- -60,000; 1,500; 1,500) [cd/m²]

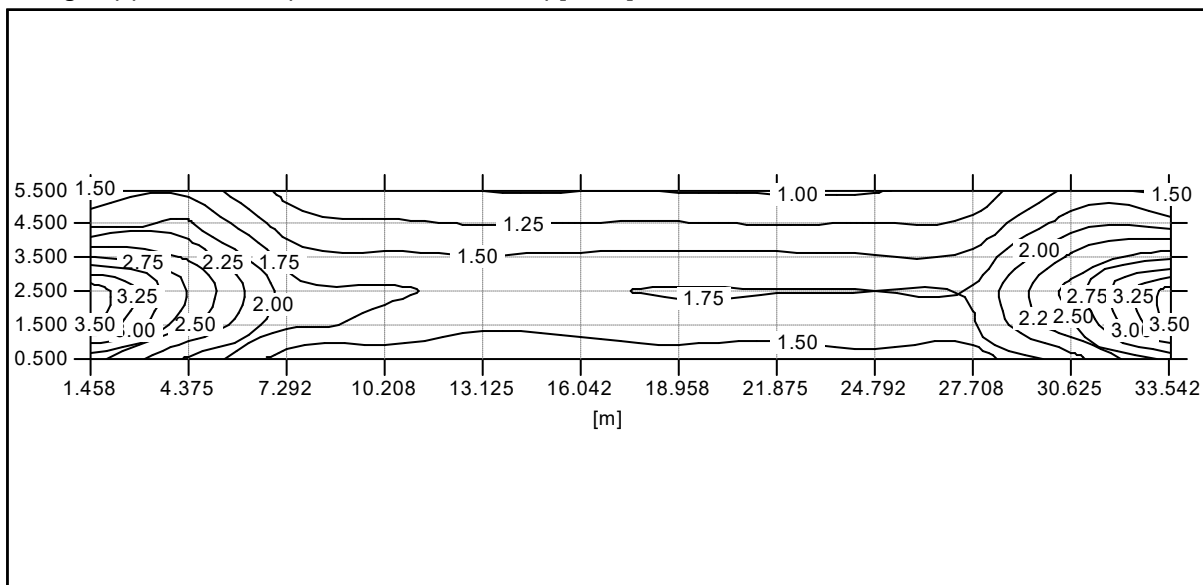
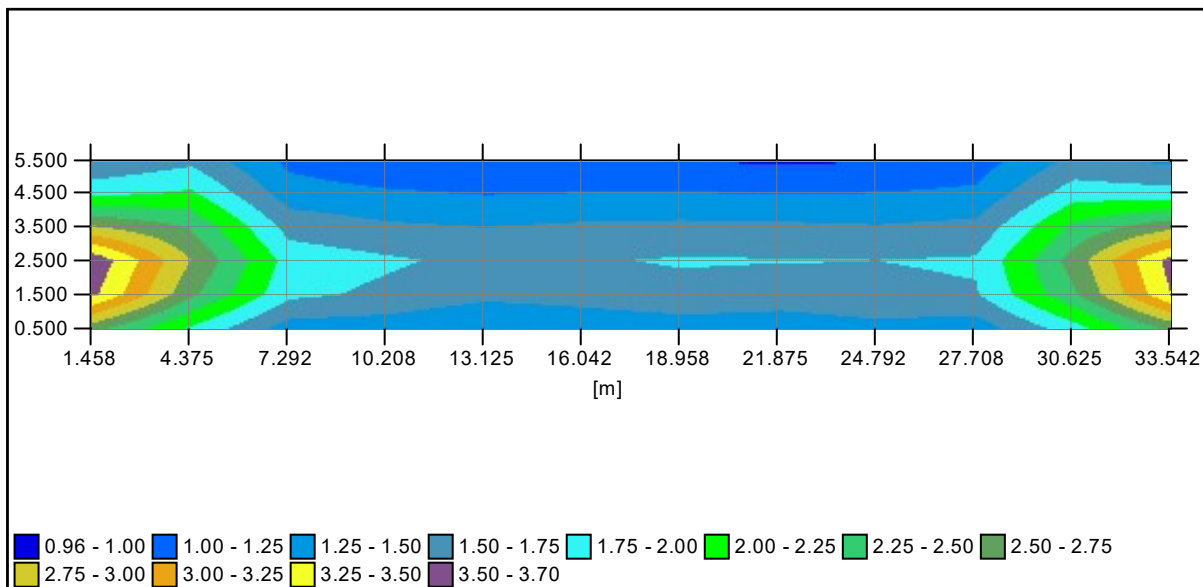


Master grid (2) : Luminance (< -60,000; 4,500; 1,500) [cd/m²]Min : 0,96 cd/m²Ave : 1,77 cd/m²Max : 3,70 cd/m²

Uo : 54,4 %

Ug : 26,0 %

5,500	1,49	1,67	1,17	1,02	0,98	0,98	0,98	0,96	0,97	1,11	1,55	1,43
4,500	1,92	2,04	1,37	1,28	1,23	1,26	1,26	1,24	1,26	1,30	1,88	1,84
3,500	2,77	2,47	1,65	1,54	1,50	1,54	1,56	1,55	1,52	1,57	2,31	2,67
2,500	3,70	2,74	1,90	1,79	1,68	1,72	1,78	1,76	1,75	1,78	2,61	3,61
1,500	3,56	2,56	1,81	1,69	1,56	1,61	1,66	1,64	1,69	1,73	2,46	3,51
0,500	2,60	1,97	1,38	1,37	1,26	1,33	1,39	1,35	1,43	1,37	1,90	2,59
Y/X	1,458	4,375	7,292	10,208	13,125	16,042	18,958	21,875	24,792	27,708	30,625	33,542

Master grid (2) : Luminance (< -60,000; 4,500; 1,500) [cd/m²]**Master grid (2) : Luminance (< -60,000; 4,500; 1,500) [cd/m²]**

Master grid (3) : Illuminance [lux]

Min : 7,8 lux

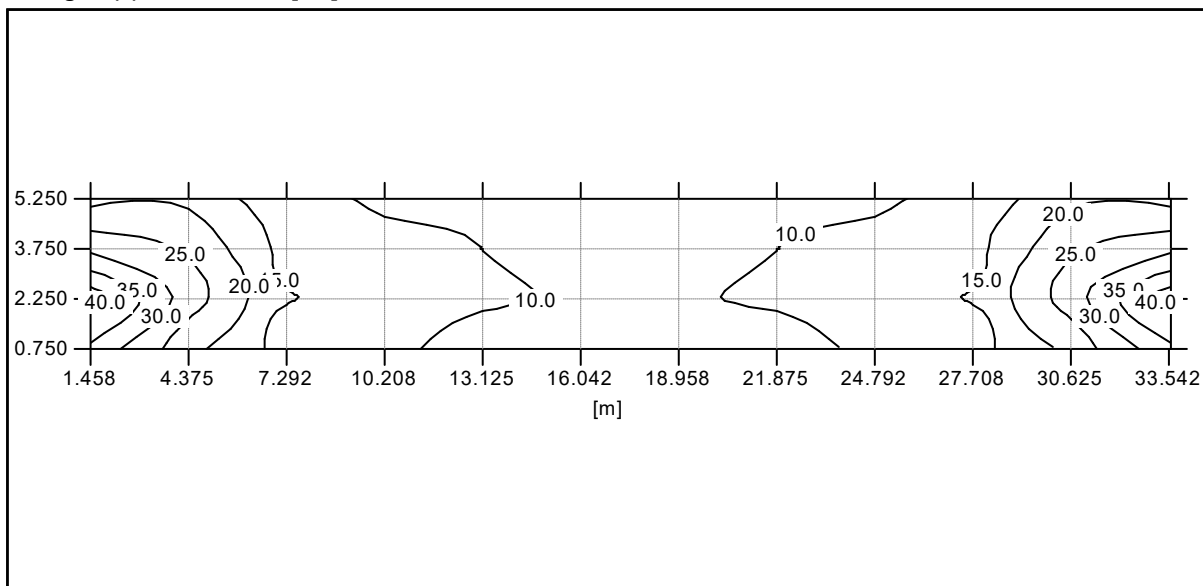
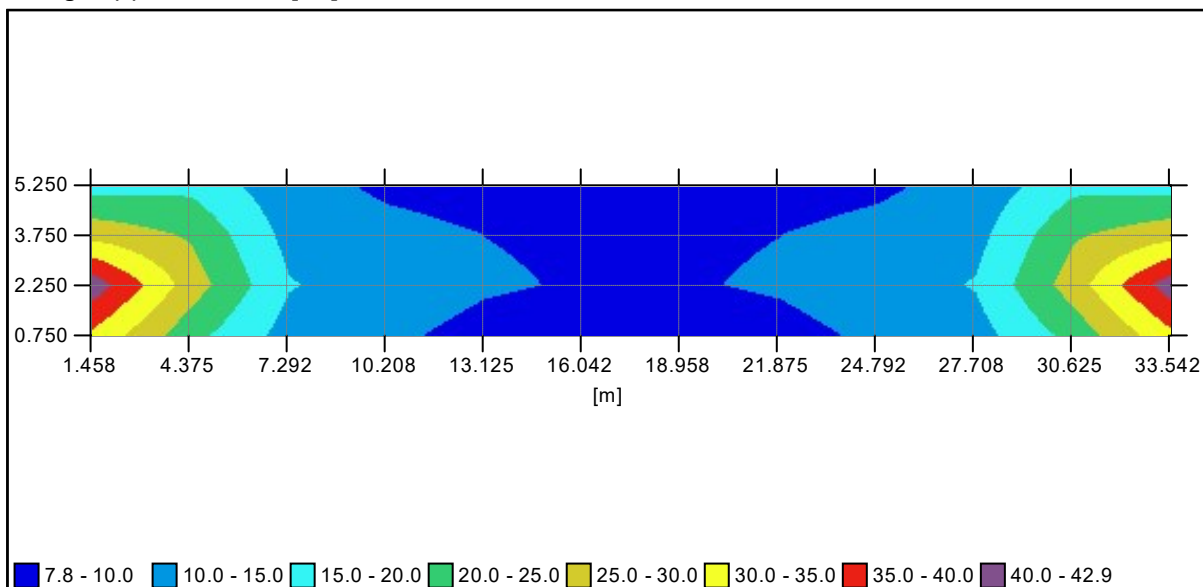
Ave : 16,0 lux

Max : 42,9 lux

Uo : 48,9 %

Ug : 18,3 %

5,250	17,9	18,6	11,5	9,2	8,2	7,8	7,8	8,2	9,2	11,5	18,6	17,9
3,750	28,2	24,3	13,3	11,3	10,0	9,4	9,4	10,0	11,3	13,3	24,3	28,2
2,250	42,9	27,5	15,4	12,4	10,5	9,6	9,6	10,5	12,4	15,4	27,5	42,9
0,750	34,0	21,7	13,0	10,8	8,7	8,2	8,2	8,7	10,8	13,0	21,8	34,0
Y/X	1,458	4,375	7,292	10,208	13,125	16,042	18,958	21,875	24,792	27,708	30,625	33,542

Master grid (3) : Illuminance [lux]**Master grid (3) : Illuminance [lux]**

Lane Centre 1 (4) : Longitudinal uniformities (< -60,000; 1,500; 1,500) [cd/m²]

Min : 1,58 cd/m² Ave : 2,14 cd/m² Max : 3,60 cd/m² Uo : 73,7 % Ug : 43,8 %

1,500	3,60	2,60	1,85	1,72	1,58	1,61	1,65	1,65	1,71	1,75	2,46	3,52
Y/X	1,458	4,375	7,292	10,208	13,125	16,042	18,958	21,875	24,792	27,708	30,625	33,542

Lane Centre 2 (5) : Longitudinal uniformities (< -60,000; 4,500; 1,500) [cd/m²]

Min : 1,23 cd/m² Ave : 1,49 cd/m² Max : 2,04 cd/m² Uo : 82,9 % Ug : 60,6 %

4,500	1,92	2,04	1,37	1,28	1,23	1,26	1,26	1,24	1,26	1,30	1,88	1,84
Y/X	1,458	4,375	7,292	10,208	13,125	16,042	18,958	21,875	24,792	27,708	30,625	33,542

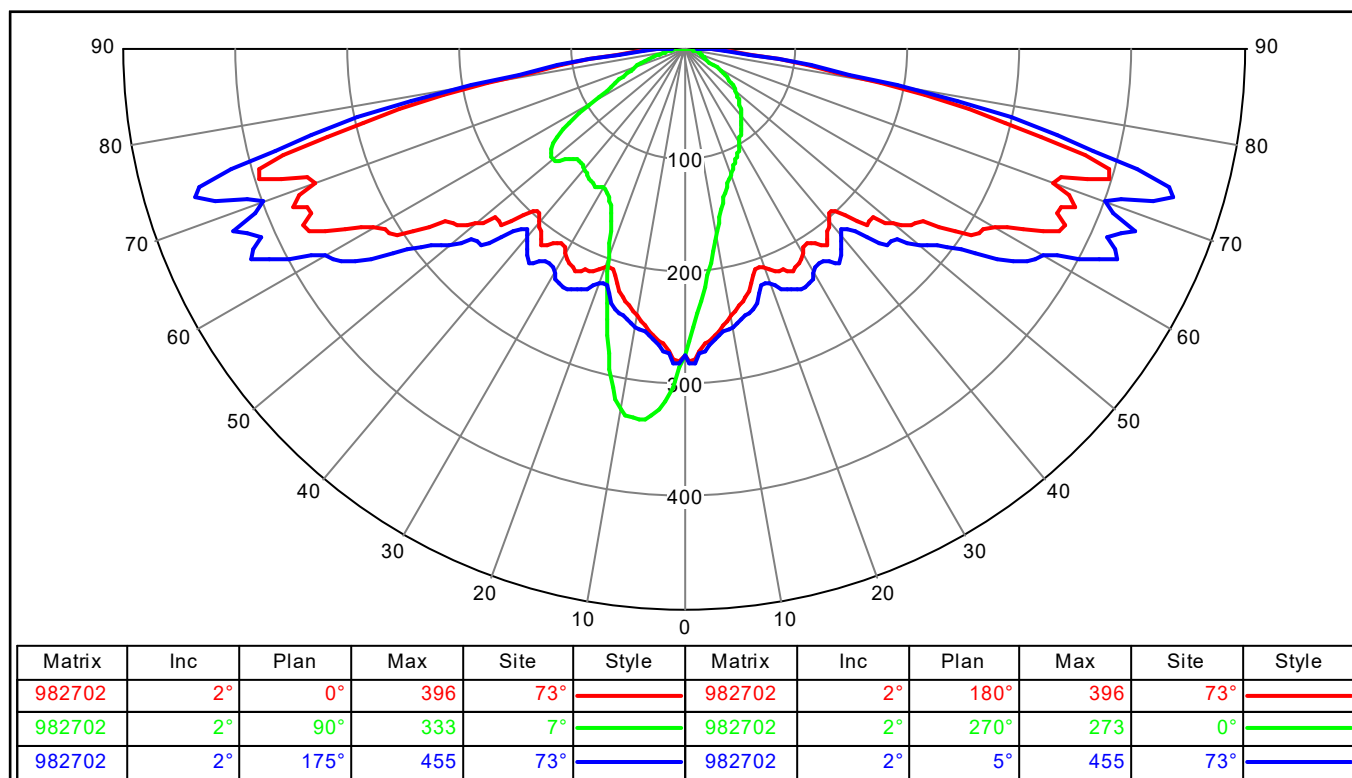
Photometric documents

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SAPPHIRE 2/SMOOTH POLYCARBONATE/1523/SON-T/100/-30/143/6°

Polar / Cartesian diagram



Utilization curve

