

Light efficiency:



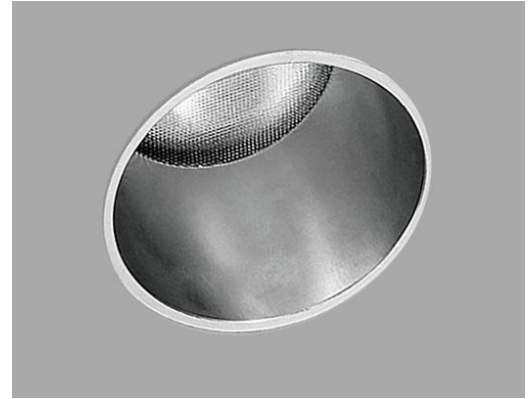
Output: 596 lm

Light quality:

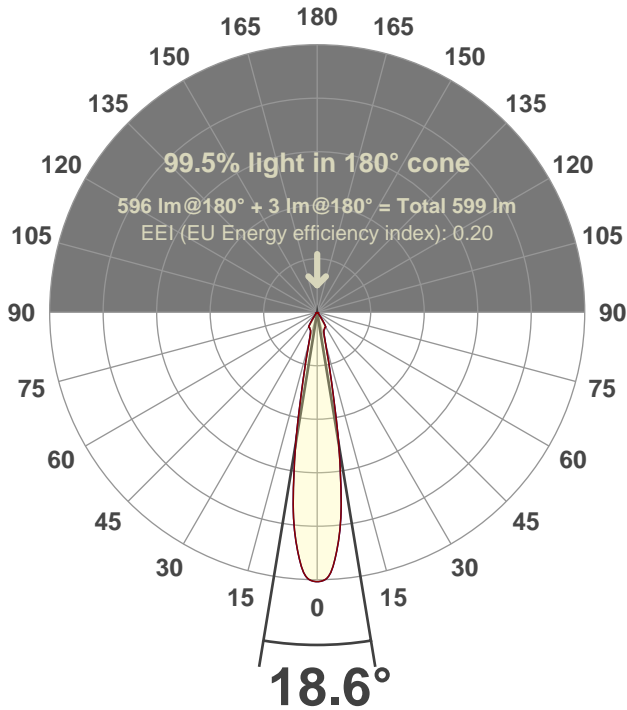


Peak: 3401 cd

Power: 9.8 W



Beam angle



Test number:

SCOD-R-DR-T7-2765-10°-CLEAR ANODIZE-Rev1

Luminaire Model:

Scope Original 2.5" Round Deep Regress Downlight-T7-TW2765-10°

Date and time:

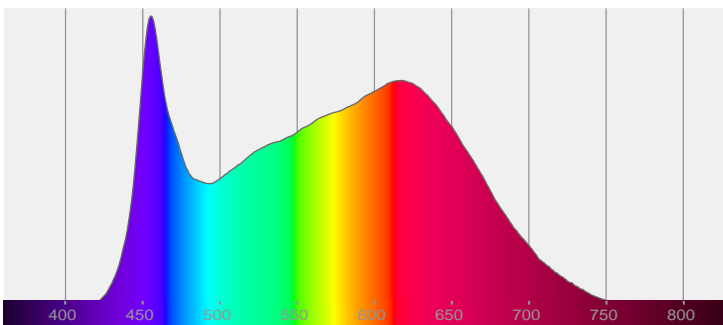
6/2/2021 7:41:58 PM

LUM: 596

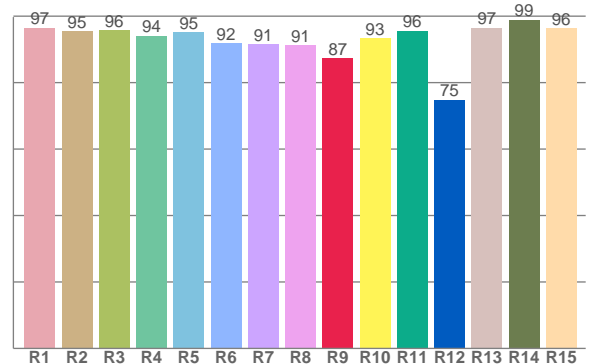
Measured at Mid-Point of Tuneable White CCT Range



Spectra



CRI: 93.9 (R1-R8)

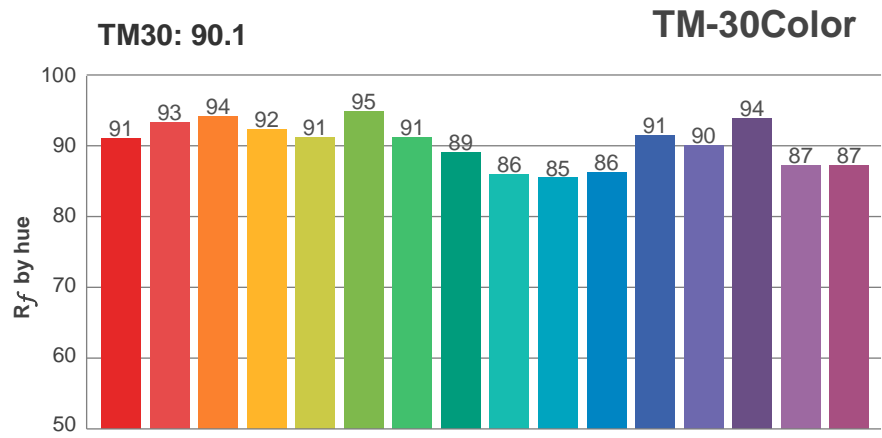


Color parameters

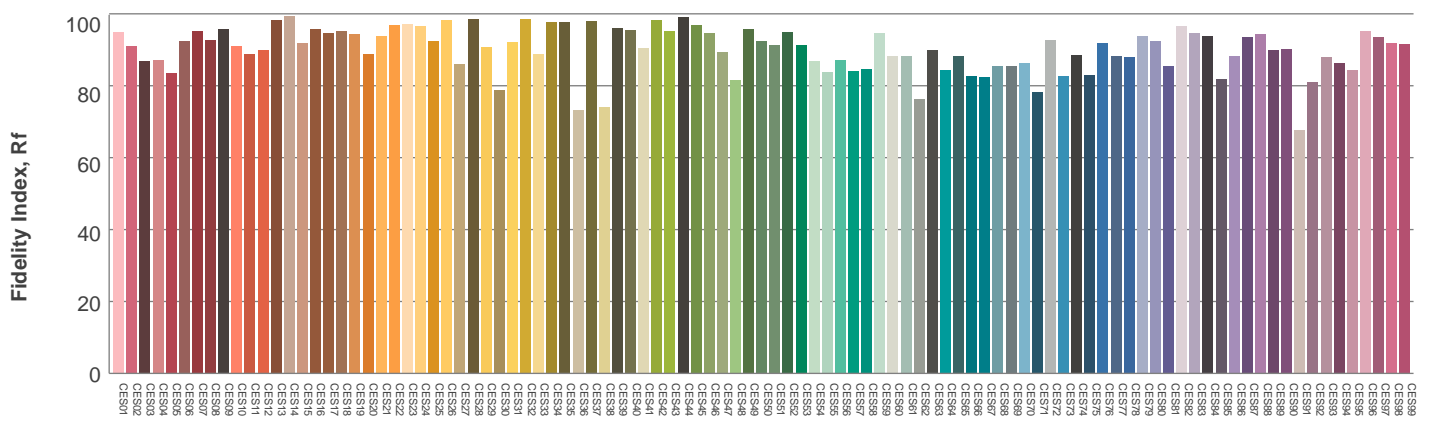
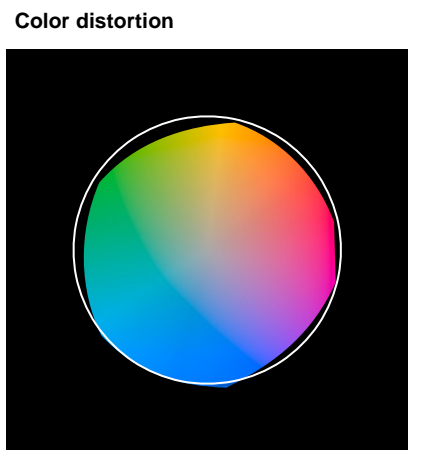
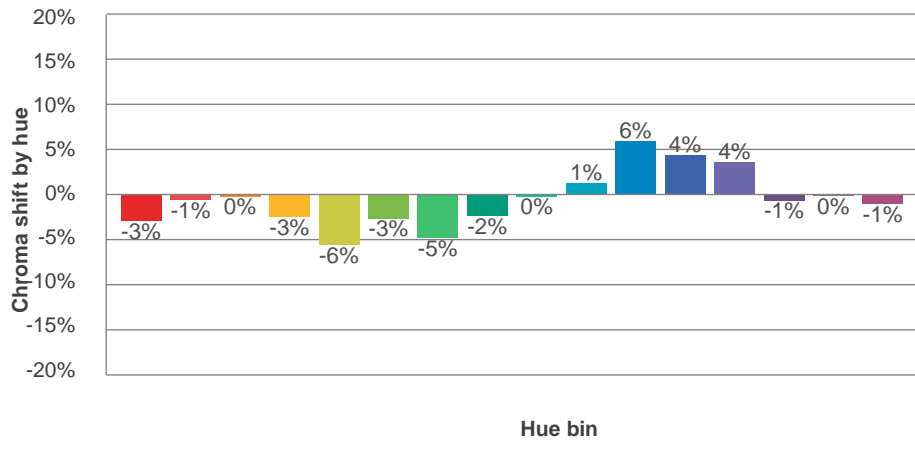
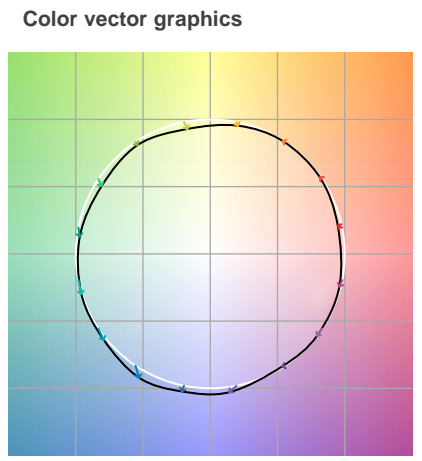
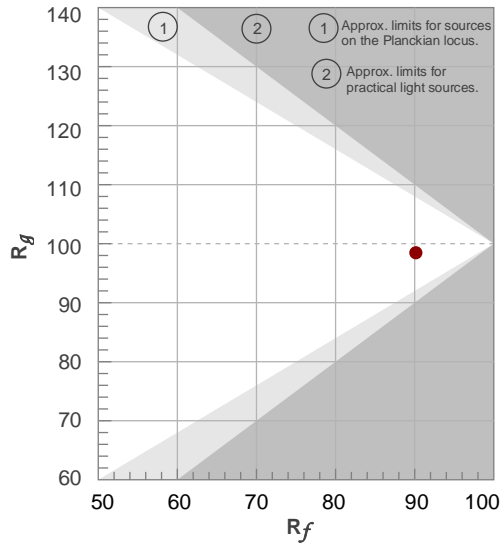
Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
93.9	87.3	90.1	98.5	92.4	0.370	0.354	0.227	0.326	-0.0077

R_f 90.1
Fidelity index R_f

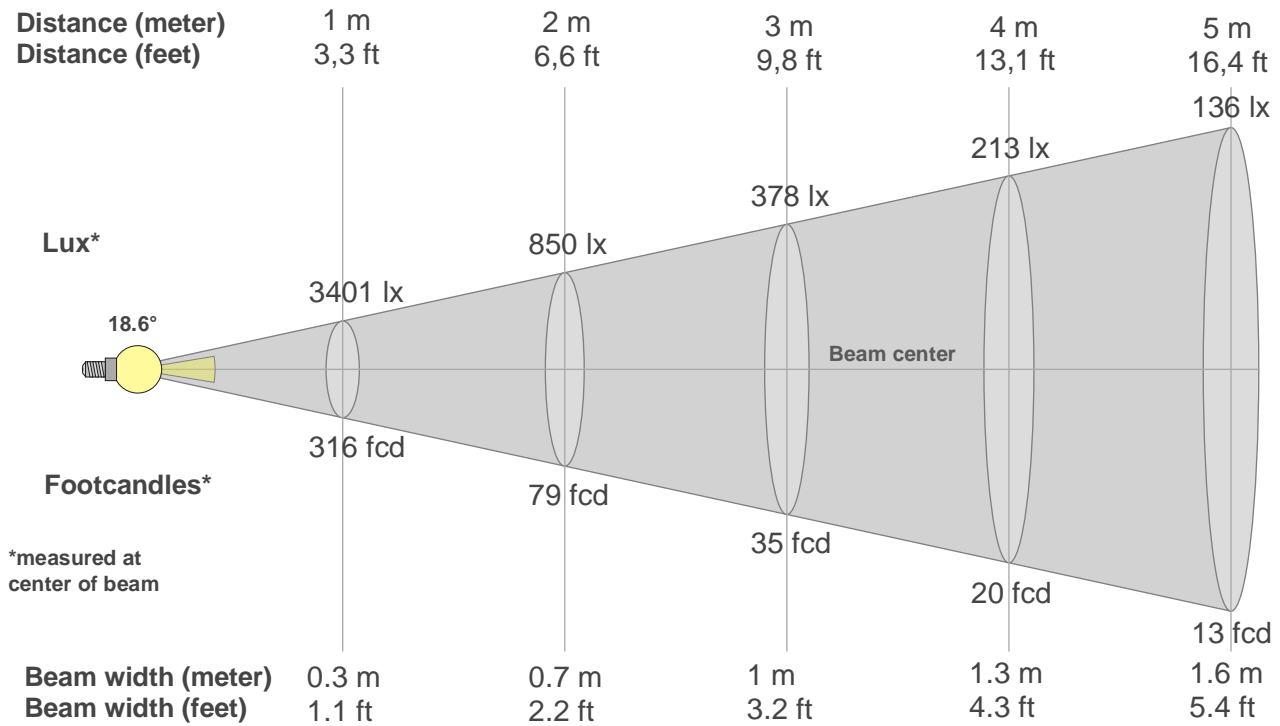
R_g 98.5
Gammut index R_g



Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-3%	2%
2	93	-1%	2%
3	94	0%	2%
4	92	-3%	-2%
5	91	-6%	-1%
6	95	-3%	0%
7	91	-5%	3%
8	89	-2%	6%
9	86	0%	11%
10	85	1%	9%
11	86	6%	7%
12	91	4%	-1%
13	90	4%	-6%
14	94	-1%	-2%
15	87	0%	-6%
16	87	-1%	-5%



Beam details



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
3401lx	850lx	378lx	213lx	136lx	94lx	69lx	53lx	42lx	34lx	28lx	24lx	20lx	17lx	15lx	13lx	12lx	10lx	9lx	9lx
315.9fcd	79fcd	35.1fcd	19.7fcd	12.6fcd	8.8fcd	6.4fcd	4.9fcd	3.9fcd	3.2fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3401	3401	3398	3277	3155	2974	2749	2506	2157	1808	1472	1141	855	686	517	435	369	318	290	262
100%	100%	100%	96%	93%	87%	81%	74%	63%	53%	43%	34%	25%	20%	15%	13%	11%	9%	9%	8%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3401	3401	3398	3277	3155	2974	2749	2506	2157	1808	1472	1141	855	686	517	435	369	318	290	262
100%	100%	100%	96%	93%	87%	81%	74%	63%	53%	43%	34%	25%	20%	15%	13%	11%	9%	9%	8%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3401	3401	3398	3277	3155	2974	2749	2506	2157	1808	1472	1141	855	686	517	435	369	318	290	262
100%	100%	100%	96%	93%	87%	81%	74%	63%	53%	43%	34%	25%	20%	15%	13%	11%	9%	9%	8%

Intensities in 270° c-plane

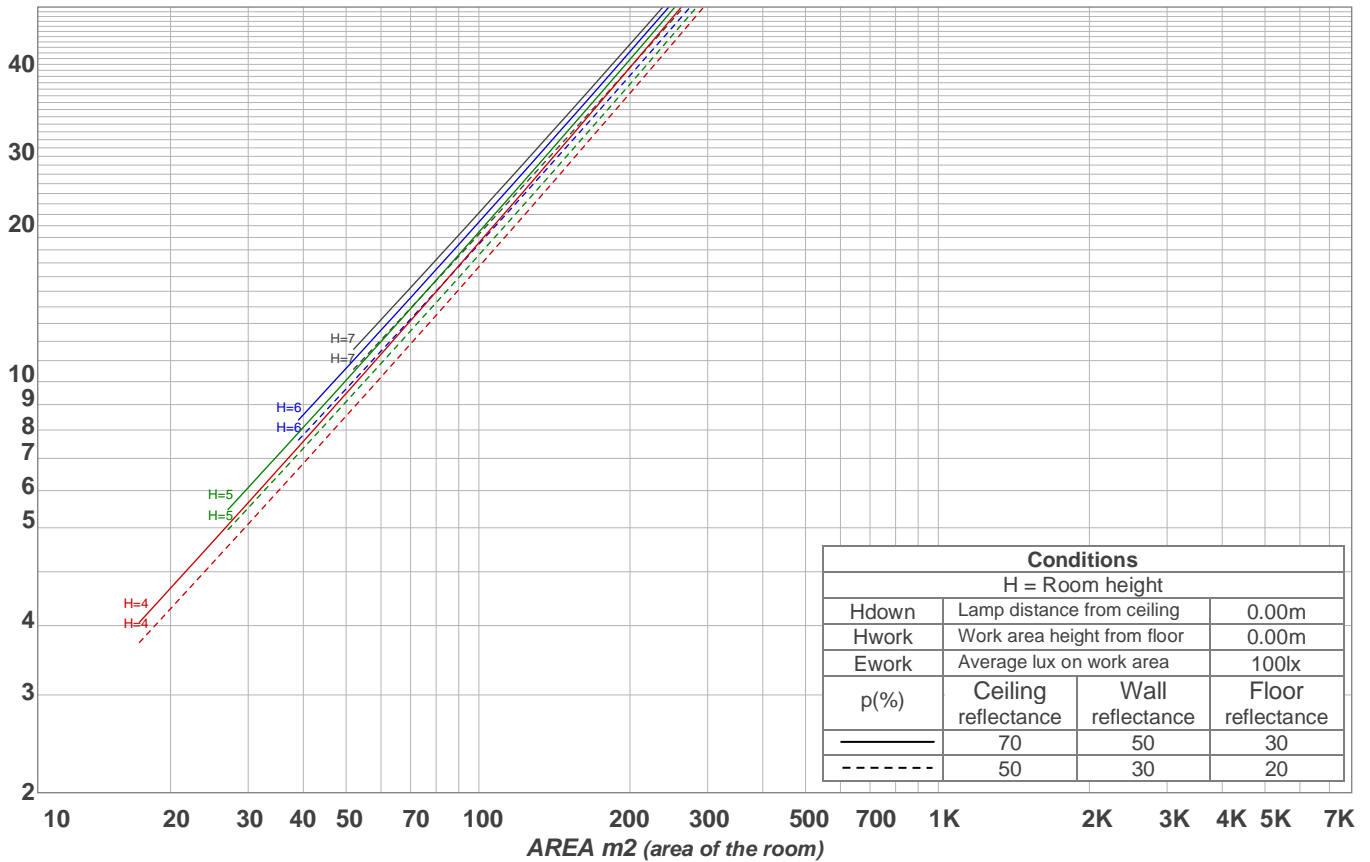
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3401	3401	3398	3277	3155	2974	2749	2506	2157	1808	1472	1141	855	686	517	435	369	318	290	262
100%	100%	100%	96%	93%	87%	81%	74%	63%	53%	43%	34%	25%	20%	15%	13%	11%	9%	9%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.6°	32.9°	73.5°	98.4%	95.6%

LAMPS (number of lamps)

50

Light planning Luminaire budgetary diagram



Luminaire budgetary diagram AREA m2 (area of the room) Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio)																	
	Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	84	81	78	77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
235 lm	143 lm	104 lm	75.8 lm	24.6 lm	6.49 lm	2.37 lm	1.95 lm	2.12 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm

UGR

p Ceiling	70	70	50	50	30	70	70	50	50	30	
p Walls	50	30	50	30	30	50	30	50	30	30	
p Floor	20	20	20	20	20	20	20	20	20	20	
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	26.9	27.4	27.0	27.6	27.8	26.9	27.4	27.0	27.6	27.8
	3H	26.6	27.3	27.0	27.5	27.7	26.6	27.3	27.0	27.5	27.7
	4H	26.6	27.2	27.0	27.5	27.7	26.6	27.2	27.0	27.5	27.7
	6H	26.8	27.3	27.0	27.6	27.9	26.8	27.3	27.0	27.6	27.9
	8H	26.8	27.3	27.1	27.6	28.0	26.8	27.3	27.1	27.6	28.0
	12H	27.0	27.4	27.3	27.8	28.2	27.0	27.4	27.3	27.8	28.2
4H	2H	26.6	27.2	26.9	27.4	27.6	26.6	27.2	26.9	27.4	27.6
	3H	26.5	27.0	26.9	27.4	27.8	26.5	27.0	26.9	27.4	27.8
	4H	26.5	26.9	26.9	27.3	27.9	26.5	26.9	26.9	27.3	27.9
	6H	26.6	27.1	27.1	27.4	27.8	26.6	27.1	27.1	27.4	27.8
	8H	26.8	27.2	27.3	27.6	27.9	26.8	27.2	27.3	27.6	27.9
	12H	27.0	27.4	27.5	27.8	28.3	27.0	27.4	27.5	27.8	28.3
8H	4H	26.4	26.9	26.9	27.2	27.6	26.4	26.9	26.9	27.2	27.6
	6H	26.7	27.0	27.2	27.4	28.0	26.7	27.0	27.2	27.4	28.0
	8H	27.0	27.3	27.5	27.8	28.4	27.0	27.3	27.5	27.8	28.4
	12H	27.5	27.7	28.1	28.2	28.8	27.5	27.7	28.1	28.2	28.8
12H	4H	26.4	26.7	26.9	27.1	27.6	26.4	26.7	26.9	27.1	27.6
	6H	26.8	27.0	27.3	27.5	28.1	26.8	27.0	27.3	27.5	28.1
	8H	27.1	27.3	27.7	27.8	28.4	27.1	27.3	27.7	27.8	28.4
Corrected glare indices referring to 596 lm total luminous flux											