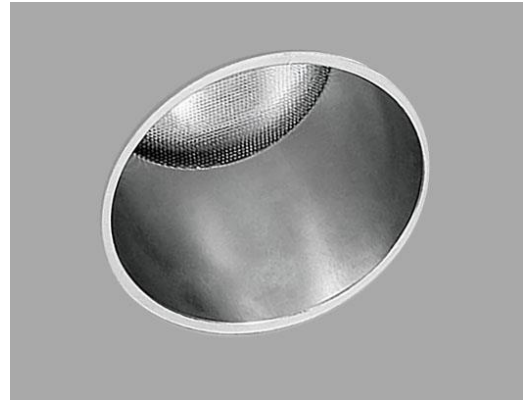


Light efficiency:



Output: 693 lm



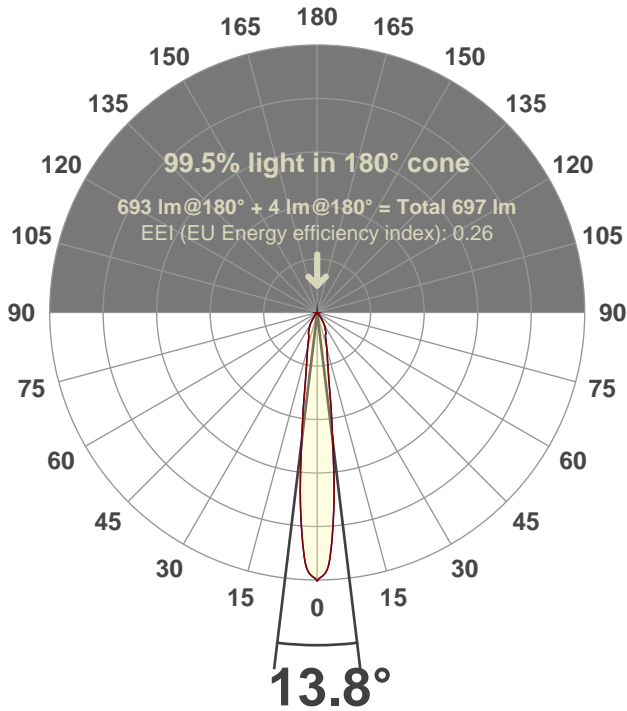
Light quality:



Peak: 4486 cd

Power: 14.6 W

Beam angle



Test number:

SCOD-R-DR-A14-30k-10°-CLEAR ANODIZE

Luminaire Model:

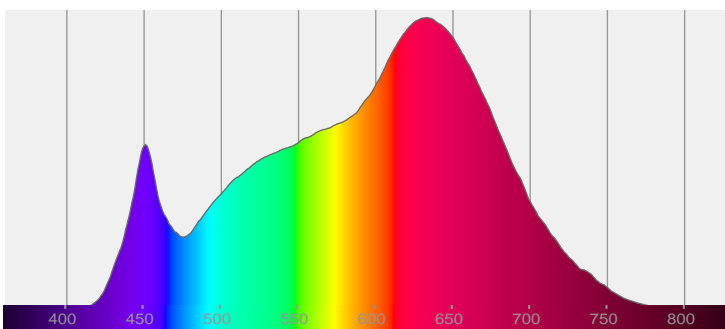
Scope Original Round Downlight - Deep Regress - A14-30k-10°

Date and time:

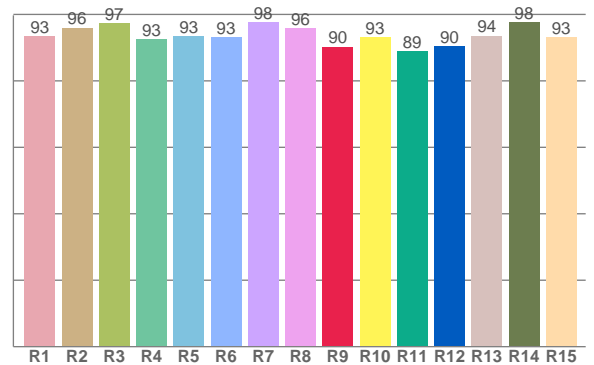
5/12/2021 8:11:50 PM

LUM: 693

Spectra



CRI: 94.9 (R1-R8)

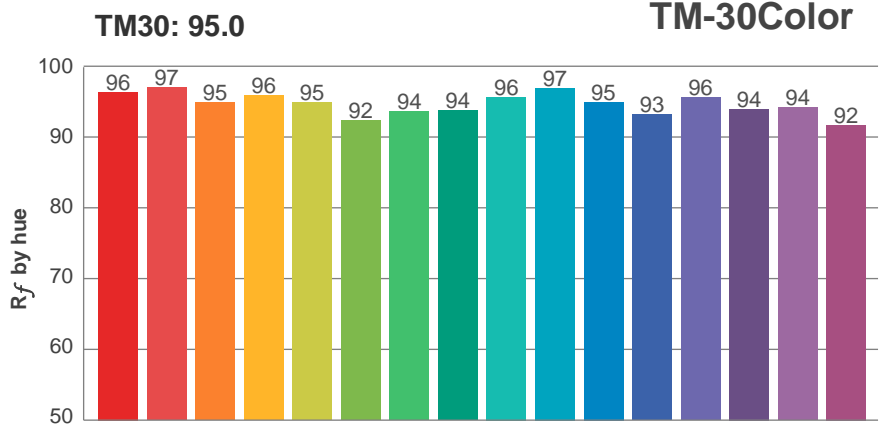


Color parameters

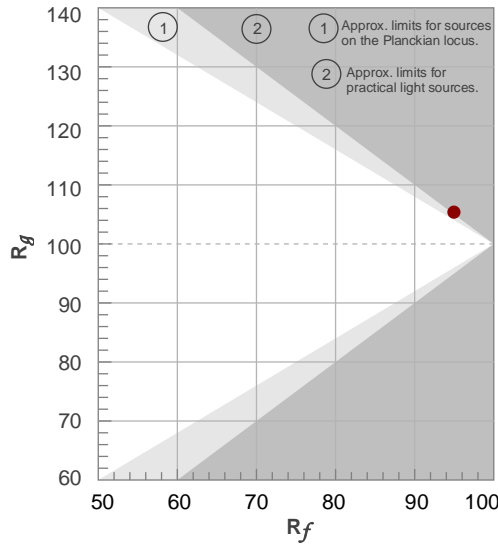
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	94.9	90.2	95.0	105.4	95.0	0.420	0.382	0.249	0.340	-0.0067

R_f 95.0
Fidelity index R_f

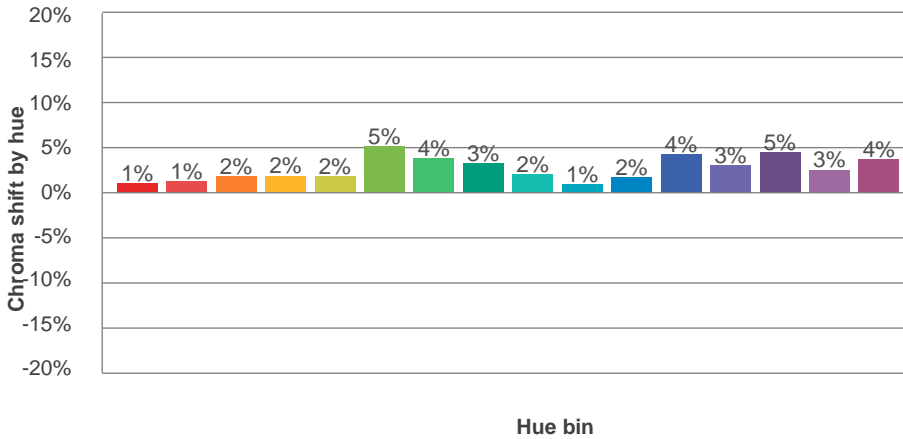
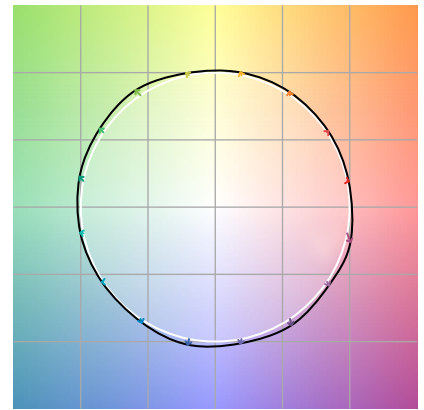
R_g 105.4
Gammut index R_g



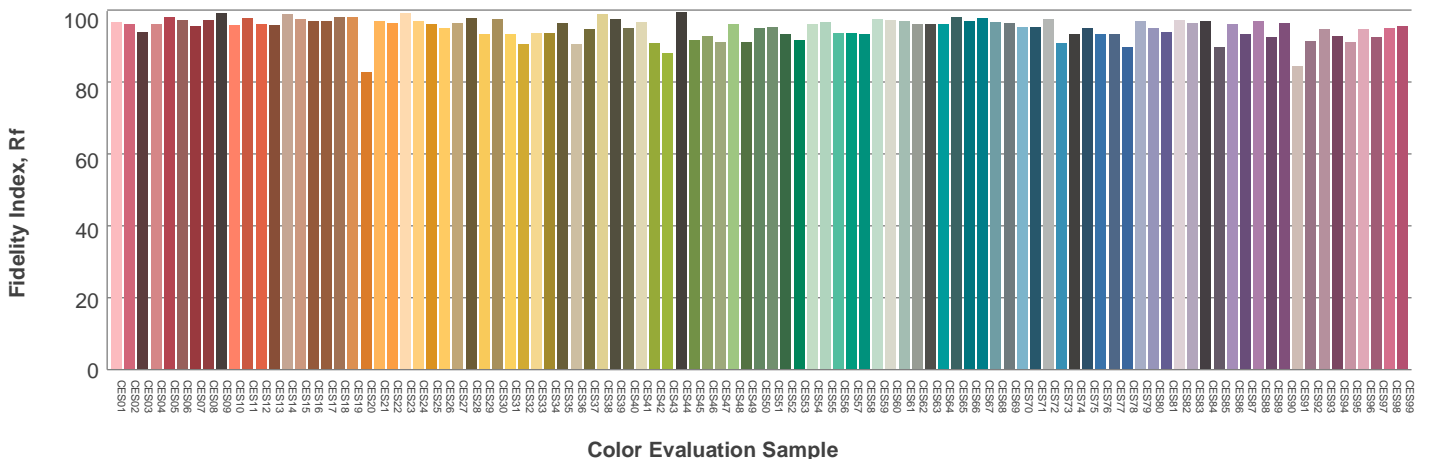
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	0%
3	95	2%	2%
4	96	2%	1%
5	95	2%	2%
6	92	5%	1%
7	94	4%	-1%
8	94	3%	-2%
9	96	2%	-1%
10	97	1%	-1%
11	95	2%	2%
12	93	4%	0%
13	96	3%	-1%
14	94	5%	-2%
15	94	3%	-1%
16	92	4%	-6%



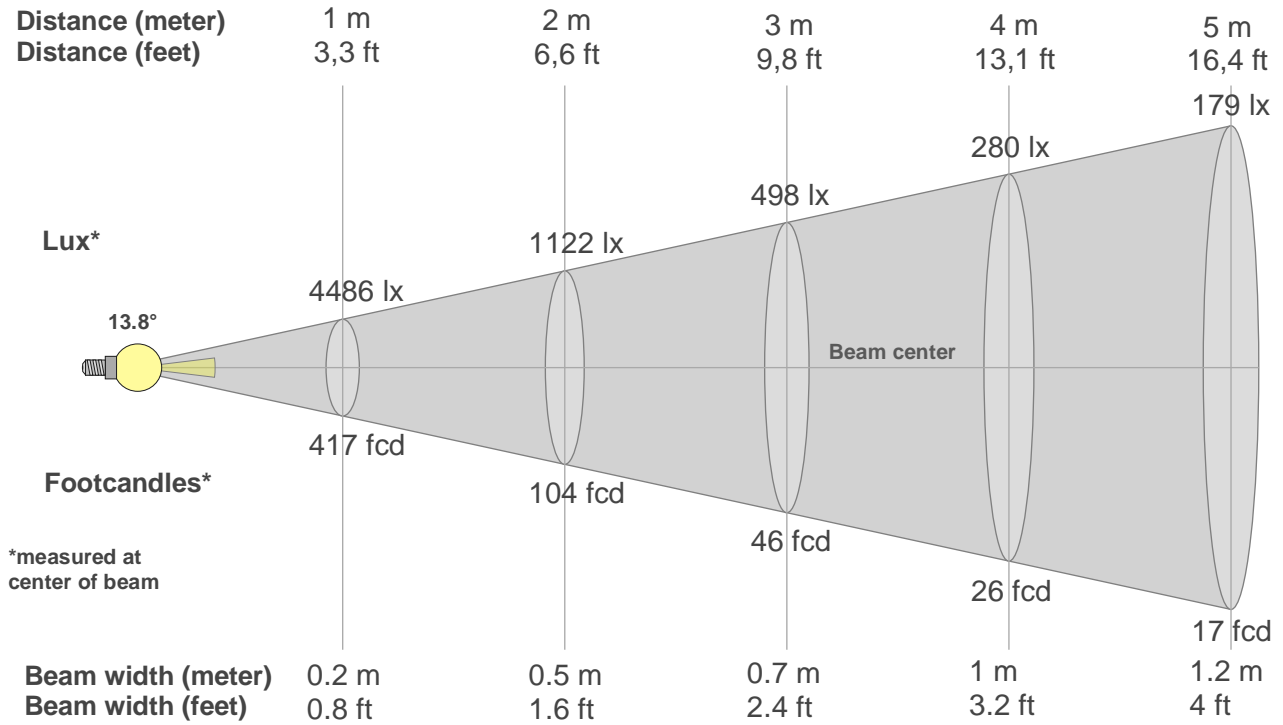
Color vector graphics



Color distortion



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
4486lx	1122lx	498lx	280lx	179lx	125lx	92lx	70lx	55lx	45lx	37lx	31lx	27lx	23lx	20lx	18lx	16lx	14lx	12lx	11lx
416.8fcd	104.2fcd	46.3fcd	26fcd	16.7fcd	11.6fcd	8.5fcd	6.5fcd	5.1fcd	4.2fcd	3.4fcd	2.9fcd	2.5fcd	2.1fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.2fcd	1fcd

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°
4486	4409	4299	4100	3665	3231	2718	2190	1749	1438	1127	991	861	764	695	627	573	518	476	439
100%	98%	96%	91%	82%	72%	61%	49%	39%	32%	25%	22%	19%	17%	15%	14%	13%	12%	11%	10%

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°
4486	4409	4299	4100	3665	3231	2718	2190	1749	1438	1127	991	861	764	695	627	573	518	476	439
100%	98%	96%	91%	82%	72%	61%	49%	39%	32%	25%	22%	19%	17%	15%	14%	13%	12%	11%	10%

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°
4486	4409	4299	4100	3665	3231	2718	2190	1749	1438	1127	991	861	764	695	627	573	518	476	439
100%	98%	96%	91%	82%	72%	61%	49%	39%	32%	25%	22%	19%	17%	15%	14%	13%	12%	11%	10%

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°
4486	4409	4299	4100	3665	3231	2718	2190	1749	1438	1127	991	861	764	695	627	573	518	476	439
100%	98%	96%	91%	82%	72%	61%	49%	39%	32%	25%	22%	19%	17%	15%	14%	13%	12%	11%	10%

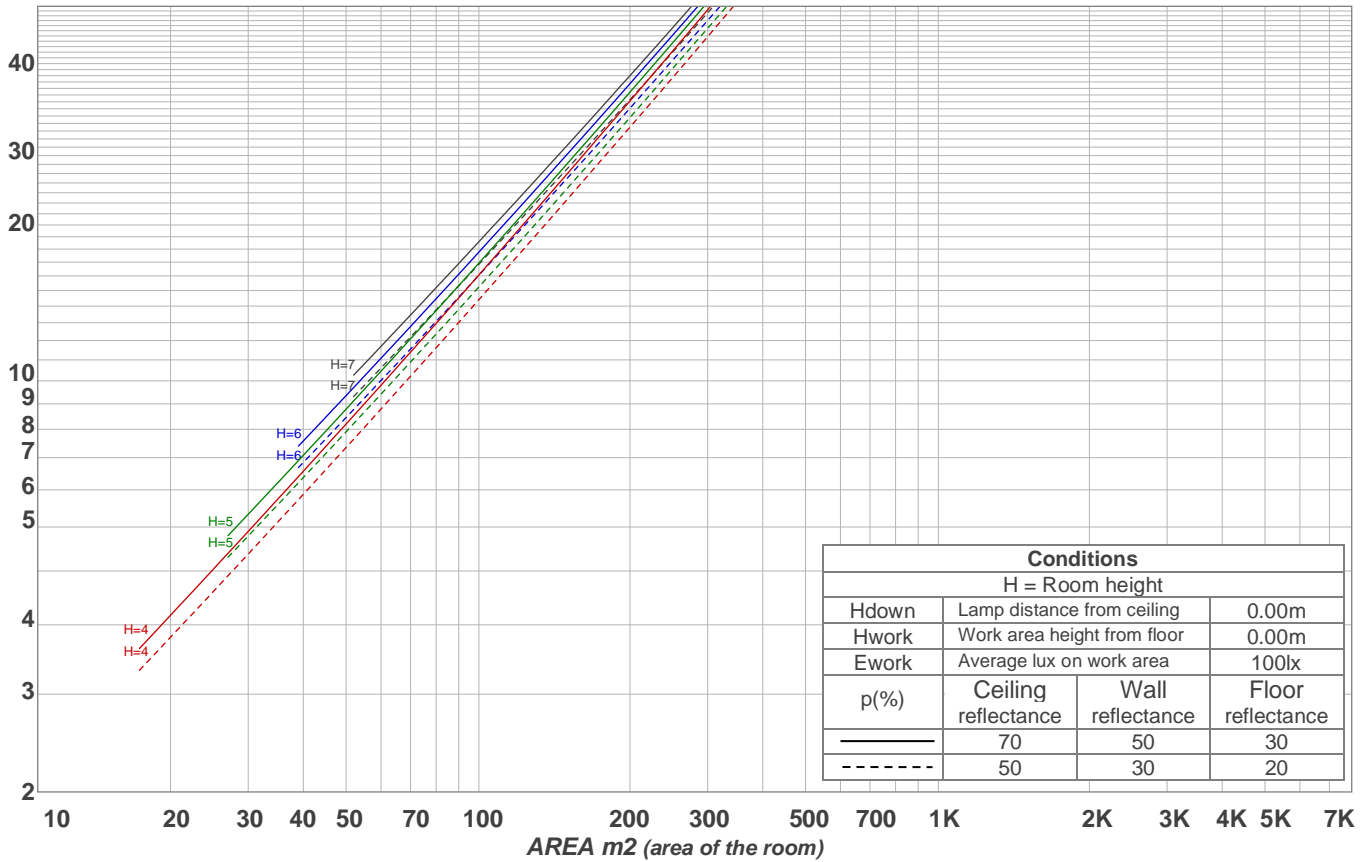
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
13.8°	37.5°	73.3°	98.3%	96.1%

Light planning

LAMPS (number of lamps)

50

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	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	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90	
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	
4	101	95	90	87	100	94	89	86	92	88	85	90	87	84	88	85	83	82	
5	97	90	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78	
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75	
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72	
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69	
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67	
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
229 lm	179 lm	151 lm	91.0 lm	29.2 lm	5.78 lm	3.56 lm	2.46 lm	2.07 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	30.0	30.5	30.1	30.7	30.9	30.0	30.5	30.1	30.7	30.9
	3H	29.8	30.4	30.1	30.6	30.8	29.8	30.4	30.1	30.6	30.8
	4H	29.8	30.4	30.1	30.6	30.9	29.8	30.4	30.1	30.6	30.9
	6H	29.9	30.4	30.2	30.7	31.0	29.9	30.4	30.2	30.7	31.0
	8H	29.9	30.4	30.2	30.8	31.1	29.9	30.4	30.2	30.8	31.1
	12H	30.0	30.5	30.4	30.9	31.3	30.0	30.5	30.4	30.9	31.3
4H	2H	29.6	30.3	30.0	30.5	30.7	29.6	30.3	30.0	30.5	30.7
	3H	29.7	30.2	30.0	30.5	30.9	29.7	30.2	30.0	30.5	30.9
	4H	29.6	30.1	30.1	30.5	31.0	29.6	30.1	30.1	30.5	31.0
	6H	29.8	30.3	30.3	30.6	31.0	29.8	30.3	30.3	30.6	31.0
	8H	29.9	30.3	30.4	30.7	31.0	29.9	30.3	30.4	30.7	31.0
	12H	30.1	30.5	30.6	30.9	31.3	30.1	30.5	30.6	30.9	31.3
8H	4H	29.6	30.0	30.1	30.4	30.7	29.6	30.0	30.1	30.4	30.7
	6H	29.8	30.1	30.3	30.6	31.1	29.8	30.1	30.3	30.6	31.1
	8H	30.1	30.3	30.6	30.8	31.5	30.1	30.3	30.6	30.8	31.5
	12H	30.5	30.7	31.1	31.2	31.8	30.5	30.7	31.1	31.2	31.8
12H	4H	29.5	29.9	30.0	30.3	30.8	29.5	29.9	30.0	30.3	30.8
	6H	29.9	30.1	30.4	30.6	31.3	29.9	30.1	30.4	30.6	31.3
	8H	30.1	30.3	30.7	30.8	31.4	30.1	30.3	30.7	30.8	31.4
Corrected glare indices referring to 693 lm total luminous flux											