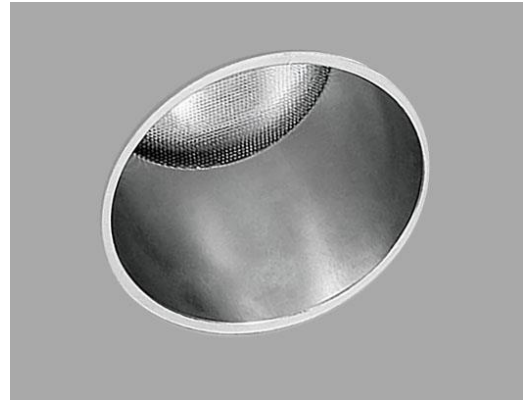


Light efficiency:



Output: 1014 lm



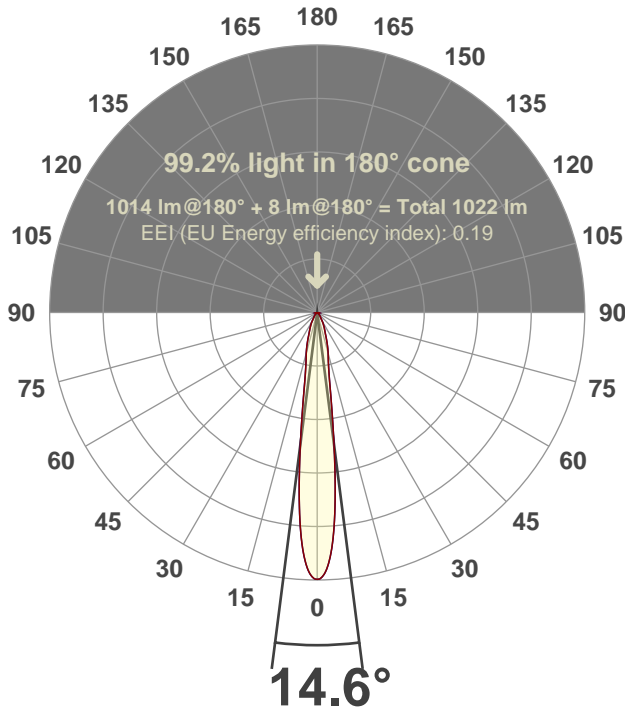
Light quality:



Peak: 6304 cd

Power: 14.0 W

Beam angle



Test number:

SCOD-R-DR-C14-30k-10°- CLEAR ANODIZE

Luminaire Model:

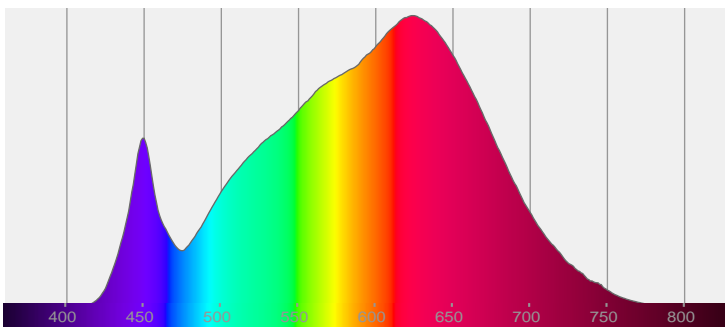
Scope Original Round Downlight - Deep Regress - C14-30k-10°

Date and time:

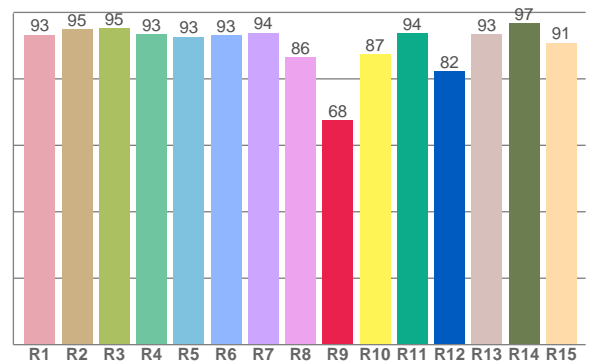
4/13/2021 5:37:30 PM

LUM: 1014

Spectra



CRI: 92.9 (R1-R8)

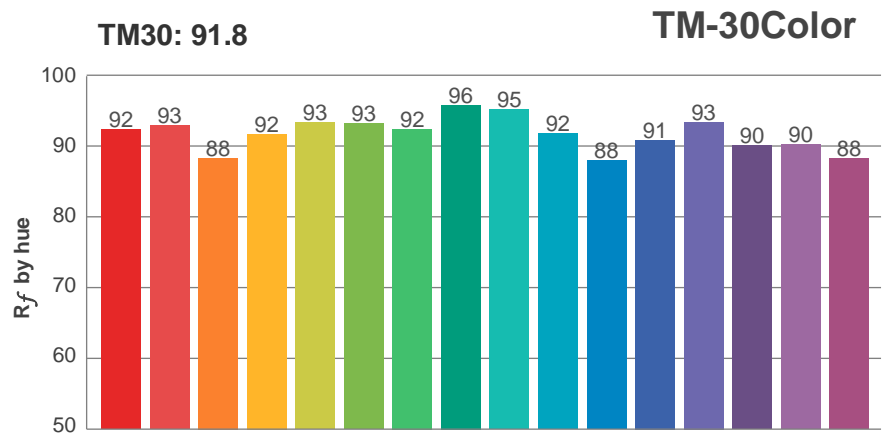


Color parameters

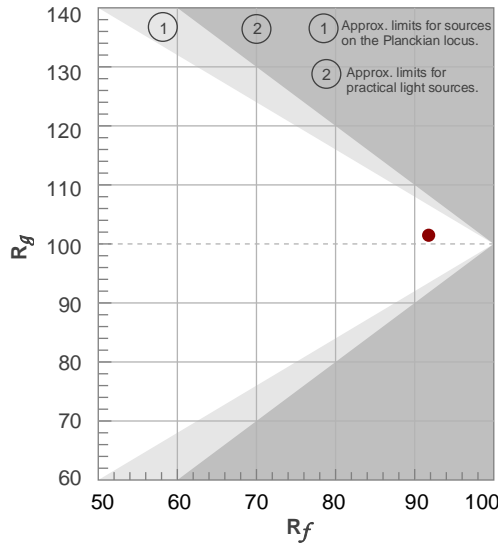
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	92.9	67.6	91.8	101.5	90.9	0.426	0.398	0.246	0.345	-0.0008

R_f 91.8
Fidelity index R_f

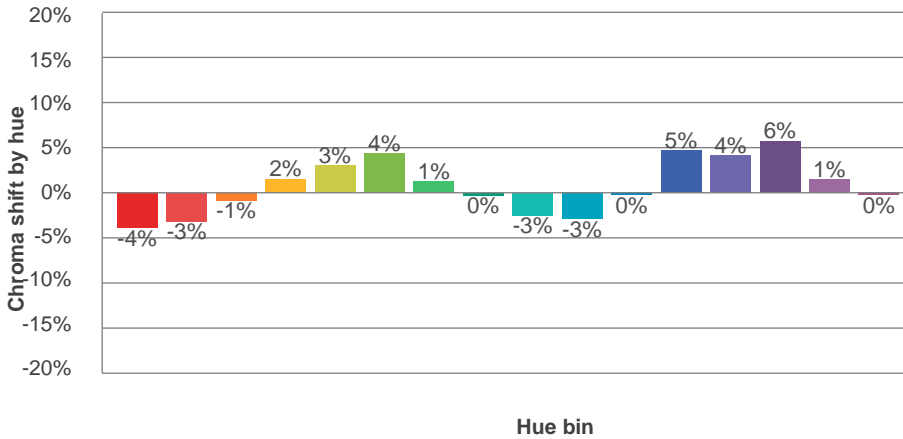
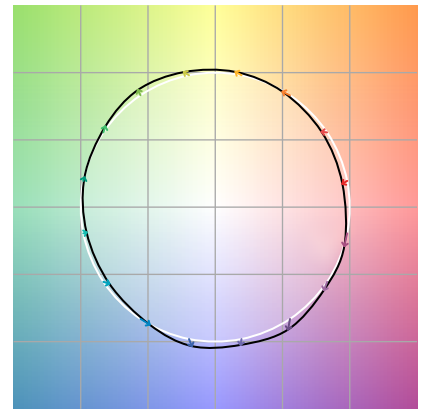
R_g 101.5
Gammut index R_g



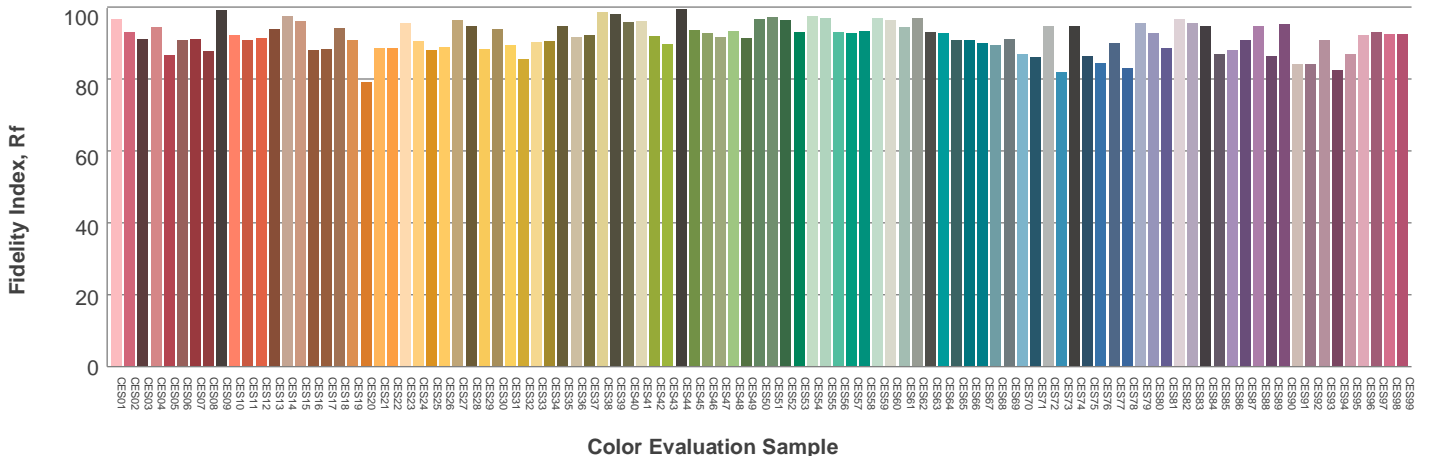
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	93	-3%	3%
3	88	-1%	6%
4	92	2%	5%
5	93	3%	3%
6	93	4%	-1%
7	92	1%	-4%
8	96	0%	-3%
9	95	-3%	0%
10	92	-3%	4%
11	88	0%	8%
12	91	5%	3%
13	93	4%	-1%
14	90	6%	-6%
15	90	1%	-6%
16	88	0%	-10%



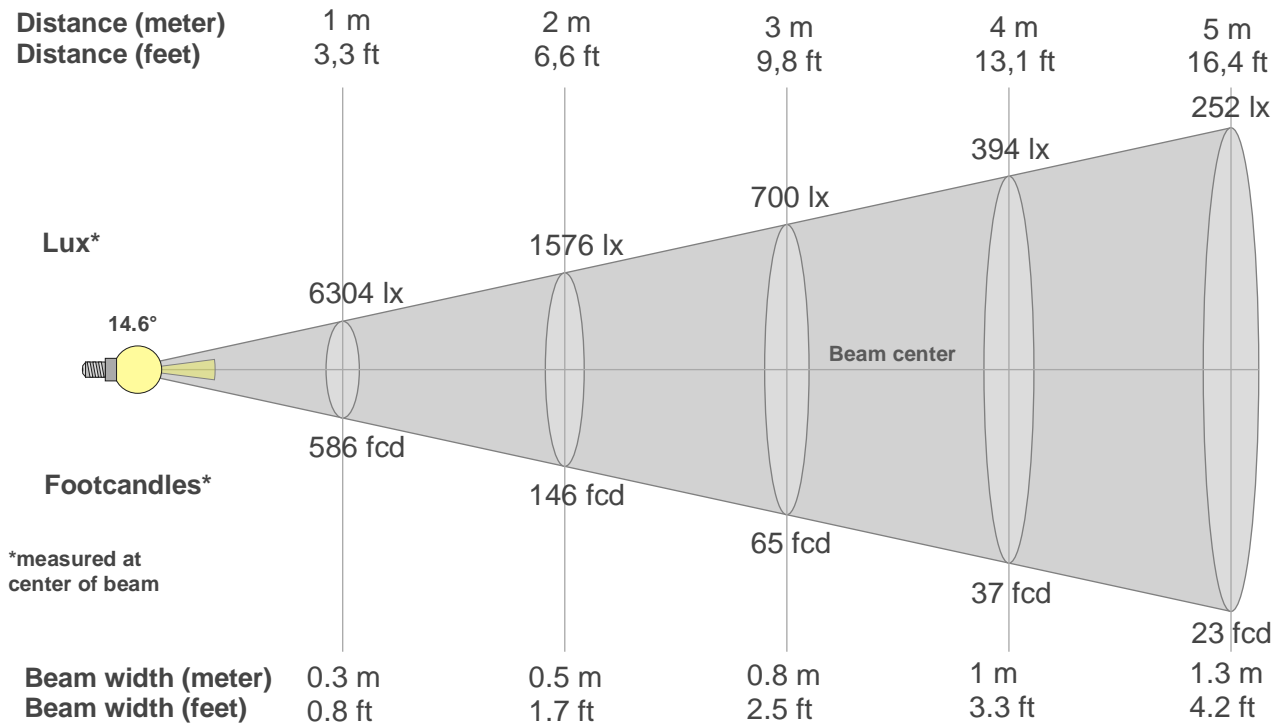
Color vector graphics



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
6304lx	1576lx	700lx	394lx	252lx	175lx	129lx	98lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	19lx	17lx	16lx
585.6fcd	146.4fcd	65.1fcd	36.6fcd	23.4fcd	16.3fcd	12fcd	9.2fcd	7.2fcd	5.9fcd	4.8fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6304	6258	6095	5799	5361	4772	4073	3346	2680	2140	1740	1475	1302	1173	1079	1003	924	845	765	691
100%	99%	97%	92%	85%	76%	65%	53%	43%	34%	28%	23%	21%	19%	17%	16%	15%	13%	12%	11%

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°
6304	6258	6095	5799	5361	4772	4073	3346	2680	2140	1740	1475	1302	1173	1079	1003	924	845	765	691
100%	99%	97%	92%	85%	76%	65%	53%	43%	34%	28%	23%	21%	19%	17%	16%	15%	13%	12%	11%

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°
6304	6258	6095	5799	5361	4772	4073	3346	2680	2140	1740	1475	1302	1173	1079	1003	924	845	765	691
100%	99%	97%	92%	85%	76%	65%	53%	43%	34%	28%	23%	21%	19%	17%	16%	15%	13%	12%	11%

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°
6304	6258	6095	5799	5361	4772	4073	3346	2680	2140	1740	1475	1302	1173	1079	1003	924	845	765	691
100%	99%	97%	92%	85%	76%	65%	53%	43%	34%	28%	23%	21%	19%	17%	16%	15%	13%	12%	11%

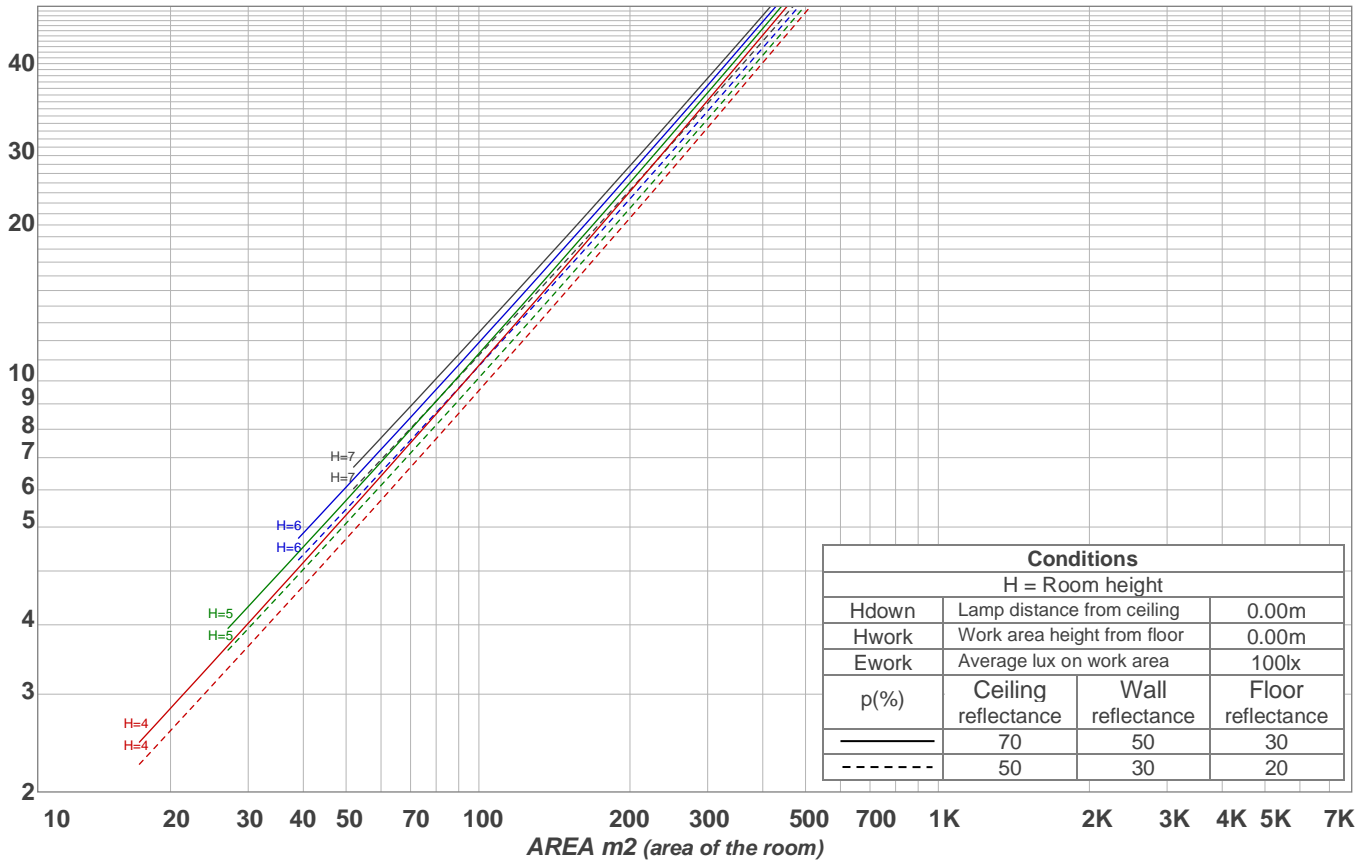
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.6°	39.7°	69.7°	97.6%	92.6%

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85	
4	101	94	90	86	99	93	89	85	91	87	84	89	86	84	87	85	83	81	
5	97	90	85	81	95	89	84	81	87	83	80	86	82	80	84	81	79	78	
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74	
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	79	75	73	72	
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67	
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
342 lm	280 lm	186 lm	103 lm	62.3 lm	24.2 lm	8.48 lm	4.81 lm	3.71 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	29.4	29.9	29.5	30.1	30.3	29.4	29.9	29.5	30.1	30.3
	3H	29.2	29.9	29.6	30.1	30.3	29.2	29.9	29.6	30.1	30.3
	4H	29.2	29.9	29.6	30.1	30.4	29.2	29.9	29.6	30.1	30.4
	6H	29.4	29.9	29.7	30.2	30.6	29.4	29.9	29.7	30.2	30.6
	8H	29.5	30.0	29.8	30.3	30.7	29.5	30.0	29.8	30.3	30.7
	12H	29.6	30.1	29.9	30.4	30.8	29.6	30.1	29.9	30.4	30.8
4H	2H	29.1	29.8	29.5	30.0	30.2	29.1	29.8	29.5	30.0	30.2
	3H	29.2	29.7	29.6	30.1	30.5	29.2	29.7	29.6	30.1	30.5
	4H	29.3	29.7	29.7	30.2	30.7	29.3	29.7	29.7	30.2	30.7
	6H	29.4	30.0	29.9	30.3	30.6	29.4	30.0	29.9	30.3	30.6
	8H	29.6	30.0	30.1	30.4	30.7	29.6	30.0	30.1	30.4	30.7
	12H	29.8	30.2	30.3	30.6	31.0	29.8	30.2	30.3	30.6	31.0
8H	4H	29.2	29.7	29.7	30.0	30.4	29.2	29.7	29.7	30.0	30.4
	6H	29.5	29.8	30.0	30.3	30.8	29.5	29.8	30.0	30.3	30.8
	8H	29.8	30.1	30.3	30.6	31.2	29.8	30.1	30.3	30.6	31.2
	12H	30.2	30.4	30.8	30.9	31.5	30.2	30.4	30.8	30.9	31.5
12H	4H	29.2	29.6	29.7	30.0	30.4	29.2	29.6	29.7	30.0	30.4
	6H	29.6	29.8	30.1	30.4	31.0	29.6	29.8	30.1	30.4	31.0
	8H	29.9	30.1	30.5	30.6	31.2	29.9	30.1	30.5	30.6	31.2
Corrected glare indices referring to 1014 lm total luminous flux											