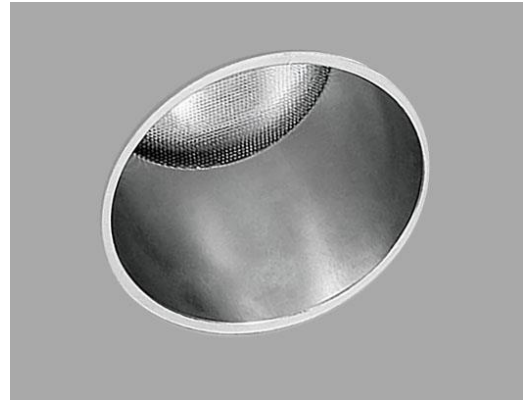


Light efficiency:



Output: 1009 lm



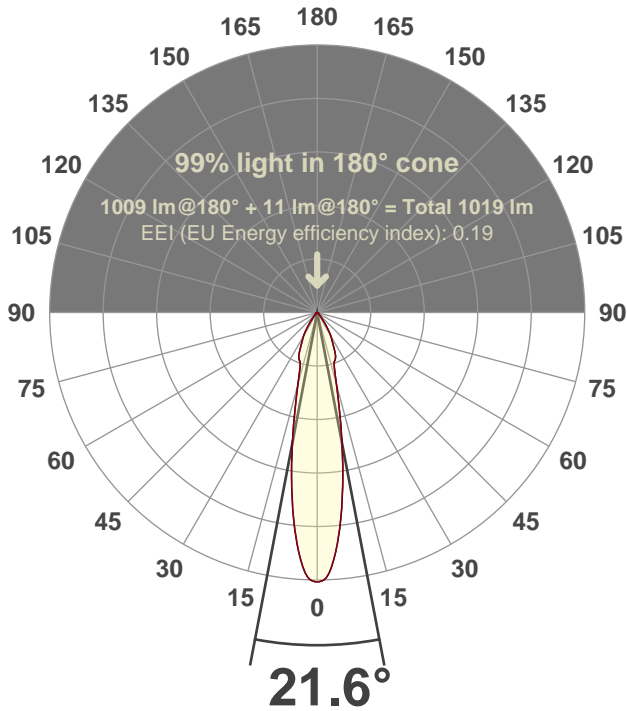
Light quality:



Peak: 3599 cd

Power: 14.0 W

Beam angle



Test number:

SCOD-R-DR-C14-30k-20°- CLEAR ANODIZE

Luminaire Model:

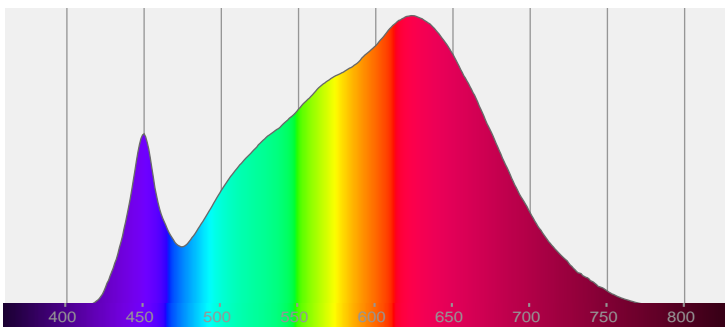
Scope Original Round Downlight - Deep Regress - C14-30k-20°

Date and time:

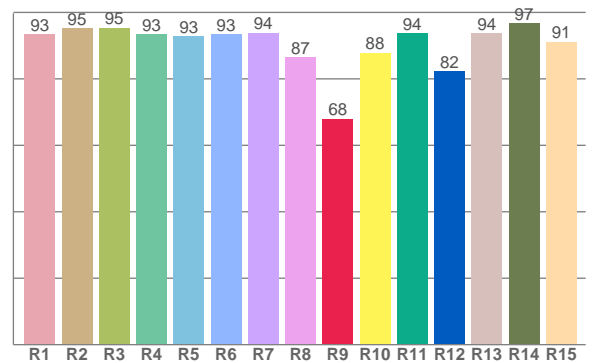
5/13/2021 1:16:22 PM

LUM: 1009

Spectra



CRI: 93.0 (R1-R8)



Color parameters

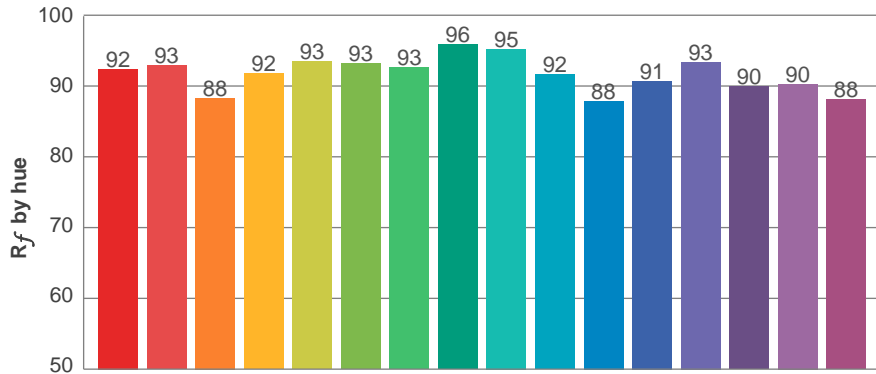
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.0	67.9	91.8	101.5	90.9	0.424	0.396	0.245	0.344	-0.0012

R_f 91.8
Fidelity index R_f

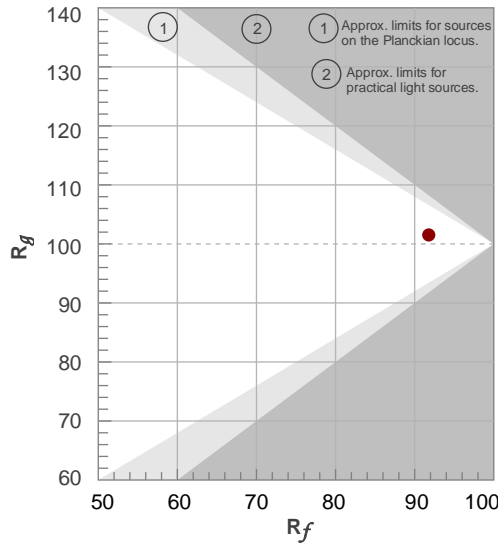
R_g 101.5
Gammut index R_g

TM30: 91.8

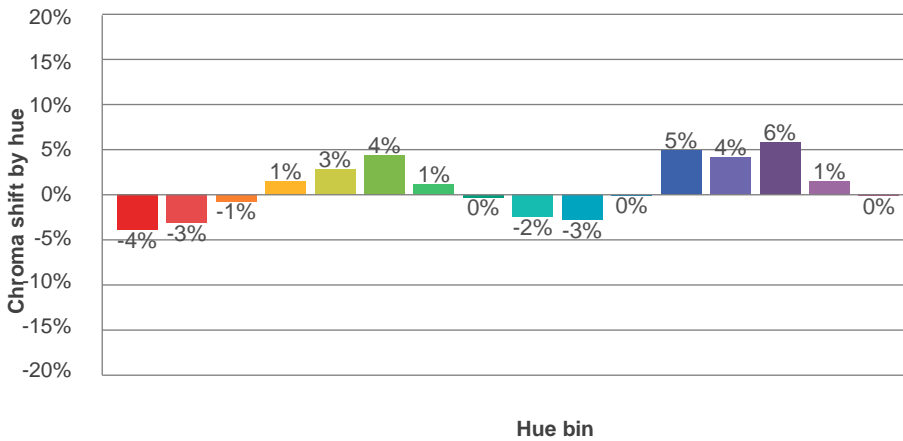
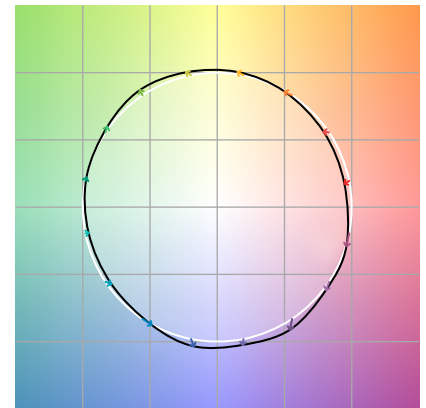
TM-30Color



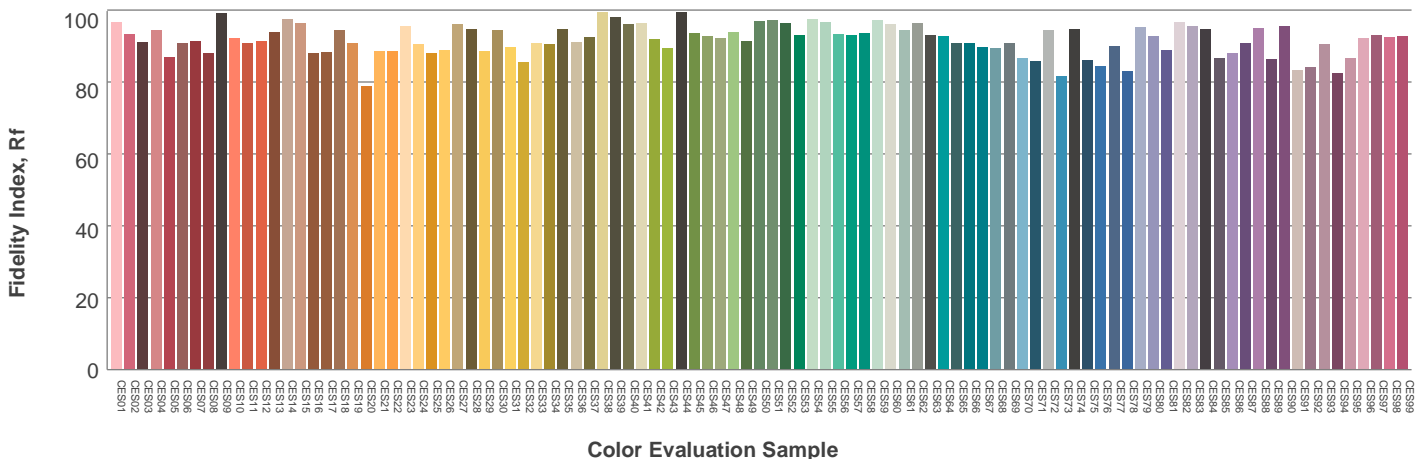
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	93	-3%	3%
3	88	-1%	6%
4	92	1%	5%
5	93	3%	3%
6	93	4%	-1%
7	93	1%	-4%
8	96	0%	-3%
9	95	-2%	0%
10	92	-3%	4%
11	88	0%	8%
12	91	5%	3%
13	93	4%	-1%
14	90	6%	-6%
15	90	1%	-6%
16	88	0%	-10%



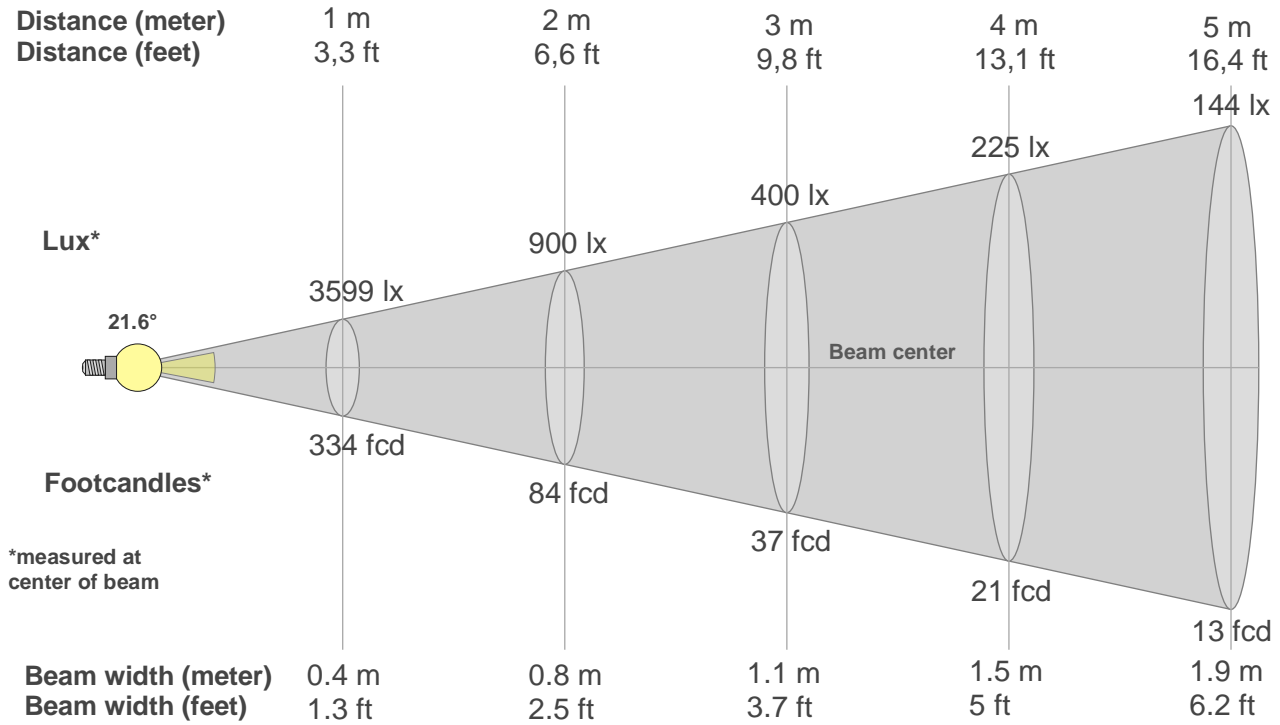
Color vector graphics



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
3599lx	900lx	400lx	225lx	144lx	100lx	73lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
334.3fcd	83.6fcd	37.1fcd	20.9fcd	13.4fcd	9.3fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3599	3560	3310	2912	2455	1983	1539	1164	901	758	695	656	597	508	433	377	312	243	182	132
100%	99%	92%	81%	68%	55%	43%	32%	25%	21%	19%	18%	17%	14%	12%	10%	9%	7%	5%	4%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3599	3560	3310	2912	2455	1983	1539	1164	901	758	695	656	597	508	433	377	312	243	182	132
100%	99%	92%	81%	68%	55%	43%	32%	25%	21%	19%	18%	17%	14%	12%	10%	9%	7%	5%	4%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3599	3560	3310	2912	2455	1983	1539	1164	901	758	695	656	597	508	433	377	312	243	182	132
100%	99%	92%	81%	68%	55%	43%	32%	25%	21%	19%	18%	17%	14%	12%	10%	9%	7%	5%	4%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3599	3560	3310	2912	2455	1983	1539	1164	901	758	695	656	597	508	433	377	312	243	182	132
100%	99%	92%	81%	68%	55%	43%	32%	25%	21%	19%	18%	17%	14%	12%	10%	9%	7%	5%	4%

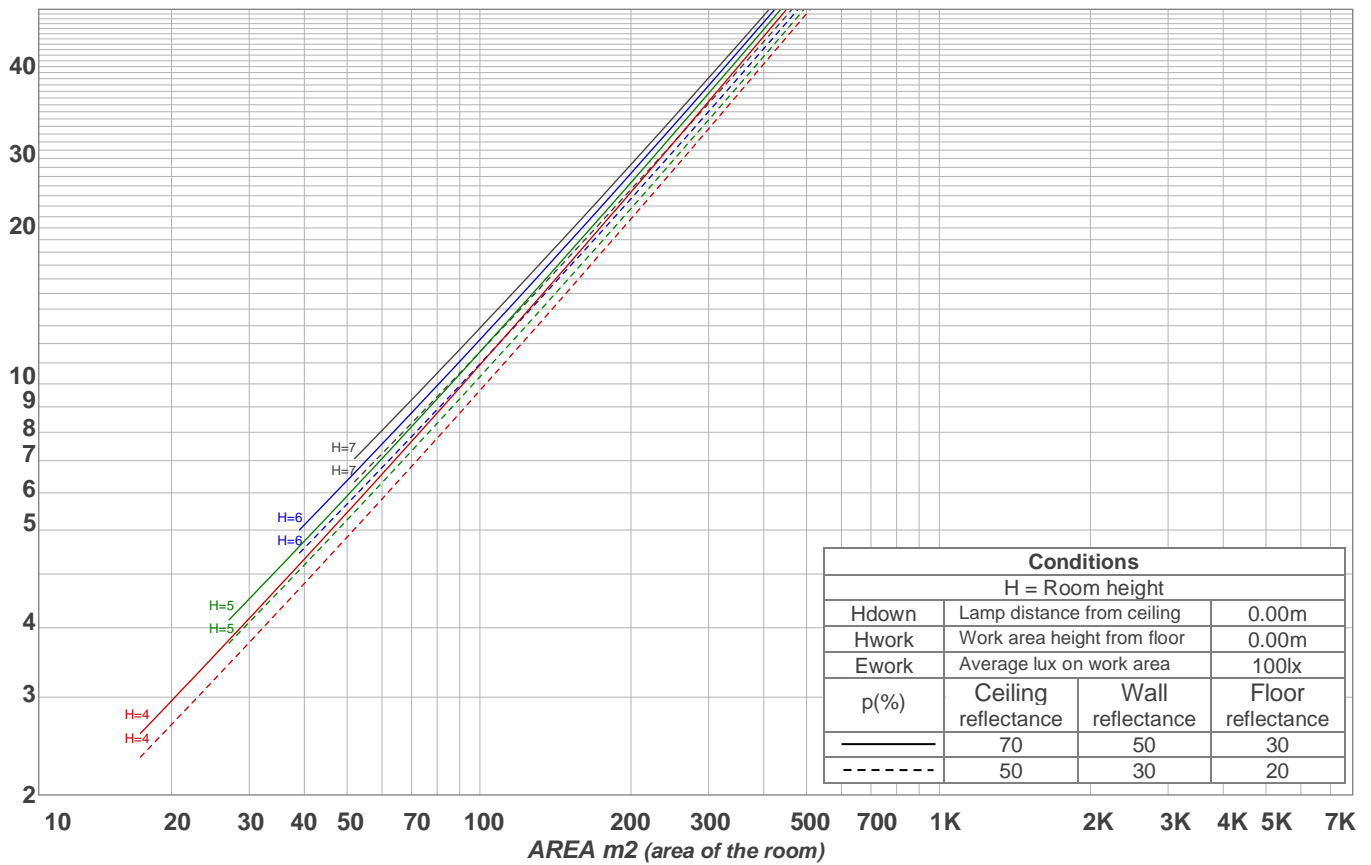
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21.6°	61.3°	81.8°	97.9%	95.3%

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	50	30	10	0	
Floor reflectance	20	20	20	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	100	100	100	
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95	95	
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89	89	89	89	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	85	85	85	85	
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80	80	80	80	
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	76	76	
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73	73	73	73	
7	89	81	76	72	88	80	75	72	79	75	72	78	74	71	77	73	71	70	70	70	70	
8	86	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67	67	67	67	
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	64	64	64	64	
10	80	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61	61	61	61	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
262 lm	299 lm	248 lm	135 lm	44.3 lm	10.2 lm	5.26 lm	3.00 lm	2.70 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	31.5	32.0	31.6	32.2	32.4	31.5	32.0	31.6	32.2	32.4
	3H	31.3	31.9	31.6	32.1	32.3	31.3	31.9	31.6	32.1	32.3
	4H	31.2	31.9	31.6	32.1	32.3	31.2	31.9	31.6	32.1	32.3
	6H	31.3	31.8	31.6	32.1	32.5	31.3	31.8	31.6	32.1	32.5
	8H	31.3	31.8	31.6	32.1	32.5	31.3	31.8	31.6	32.1	32.5
	12H	31.3	31.8	31.7	32.2	32.6	31.3	31.8	31.7	32.2	32.6
4H	2H	31.1	31.8	31.5	32.0	32.3	31.1	31.8	31.5	32.0	32.3
	3H	31.2	31.7	31.5	32.0	32.4	31.2	31.7	31.5	32.0	32.4
	4H	31.1	31.6	31.5	32.0	32.5	31.1	31.6	31.5	32.0	32.5
	6H	31.1	31.6	31.6	32.0	32.3	31.1	31.6	31.6	32.0	32.3
	8H	31.2	31.6	31.7	32.0	32.3	31.2	31.6	31.7	32.0	32.3
	12H	31.3	31.6	31.8	32.1	32.5	31.3	31.6	31.8	32.1	32.5
8H	4H	31.0	31.5	31.5	31.8	32.2	31.0	31.5	31.5	31.8	32.2
	6H	31.1	31.4	31.6	31.9	32.4	31.1	31.4	31.6	31.9	32.4
	8H	31.3	31.5	31.8	32.0	32.6	31.3	31.5	31.8	32.0	32.6
	12H	31.5	31.7	32.1	32.2	32.8	31.5	31.7	32.1	32.2	32.8
12H	4H	30.9	31.3	31.4	31.7	32.2	30.9	31.3	31.4	31.7	32.2
	6H	31.1	31.4	31.6	31.9	32.5	31.1	31.4	31.6	31.9	32.5
	8H	31.3	31.5	31.9	32.0	32.6	31.3	31.5	31.9	32.0	32.6
Corrected glare indices referring to 1009 lm total luminous flux											