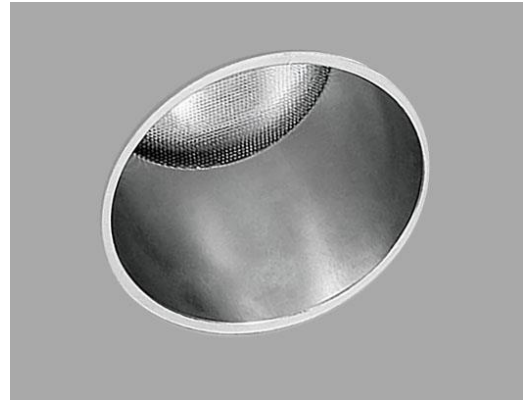


Light efficiency:



Output: 1385 lm



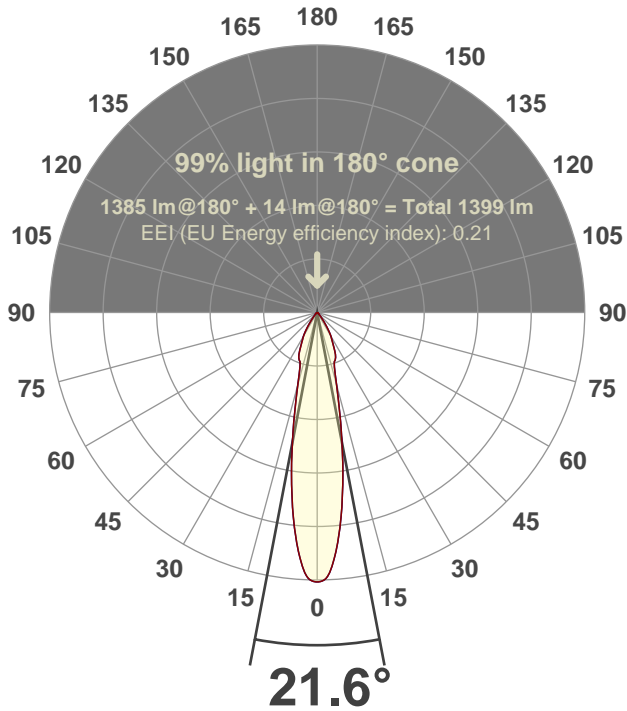
Light quality:



Peak: 4911 cd

Power: 20.9 W

Beam angle



Test number:

SCOD-R-DR-C20-30k-20°- CLEAR ANODIZE

Luminaire Model:

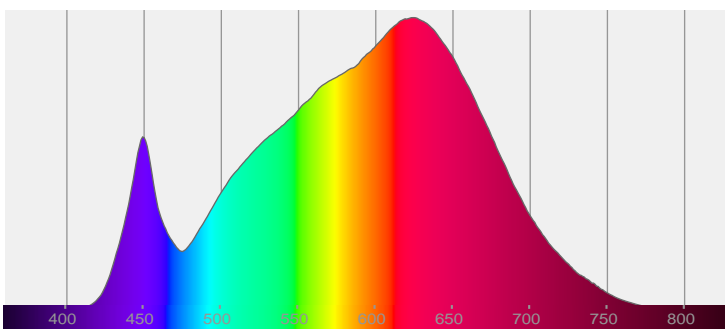
Scope Original Round Downlight - Deep Regress - C20-30k-20°

Date and time:

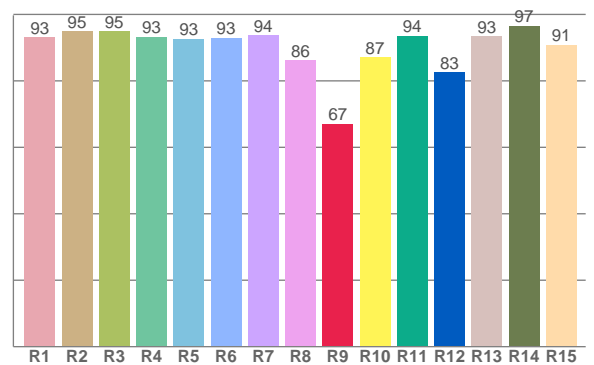
5/13/2021 1:13:16 PM

LUM: 1385

Spectra



CRI: 92.7 (R1-R8)

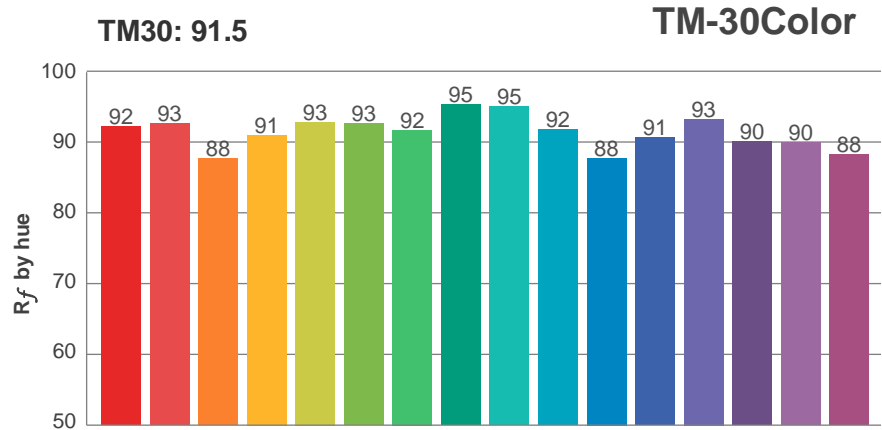


Color parameters

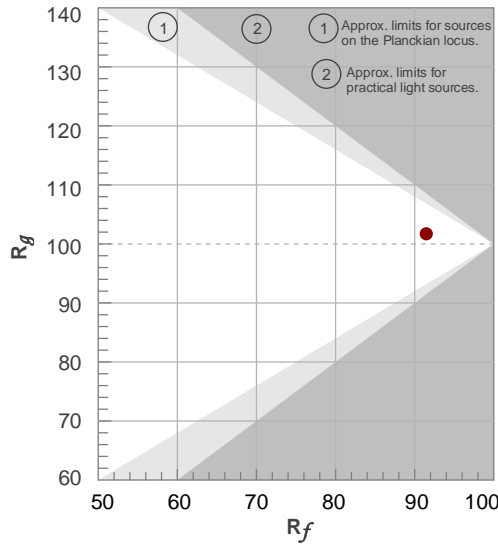
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	92.7	67.1	91.5	101.7	90.6	0.424	0.396	0.245	0.344	-0.0013

R_f 91.5
Fidelity index R_f

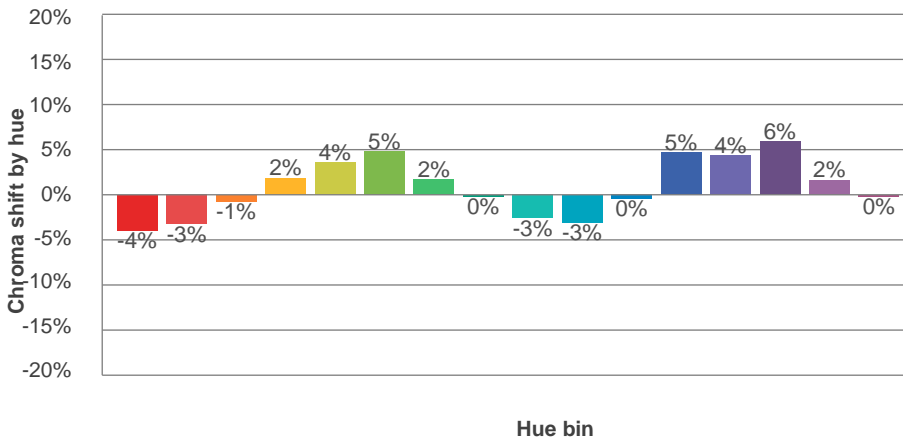
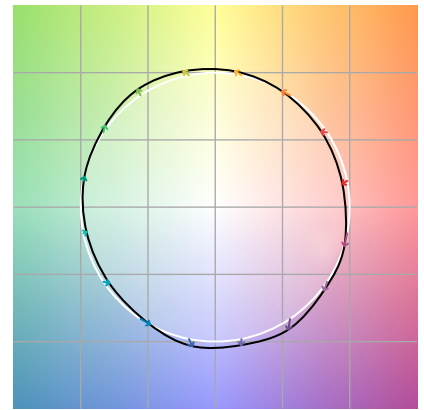
R_g 101.7
Gammut index R_g



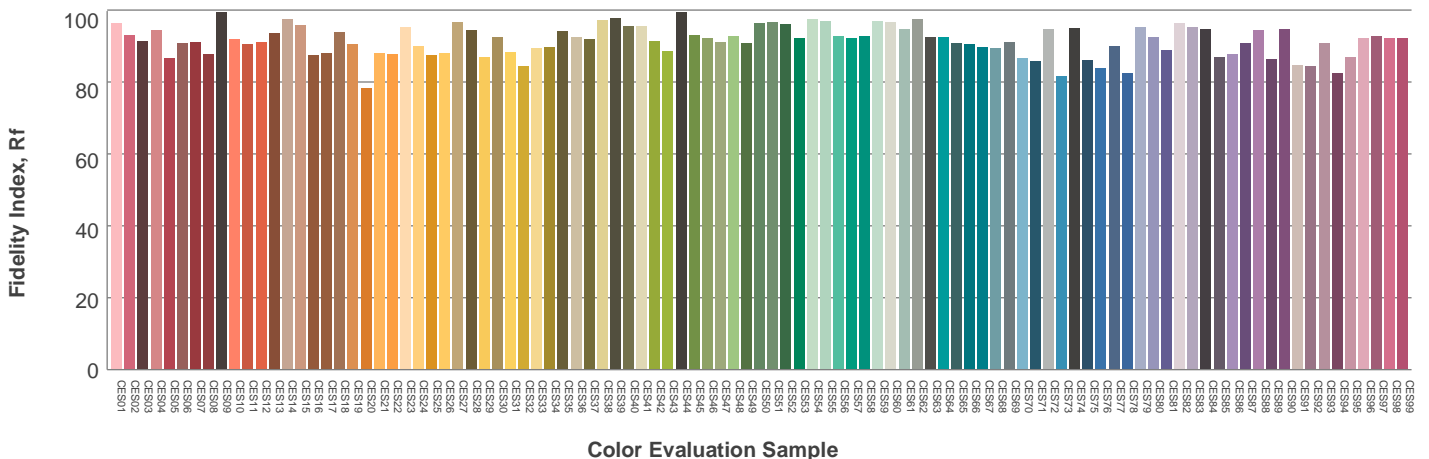
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	3%
3	88	-1%	6%
4	91	2%	5%
5	93	4%	4%
6	93	5%	-1%
7	92	2%	-5%
8	95	0%	-3%
9	95	-3%	-1%
10	92	-3%	3%
11	88	0%	8%
12	91	5%	3%
13	93	4%	-1%
14	90	6%	-5%
15	90	2%	-6%
16	88	0%	-10%



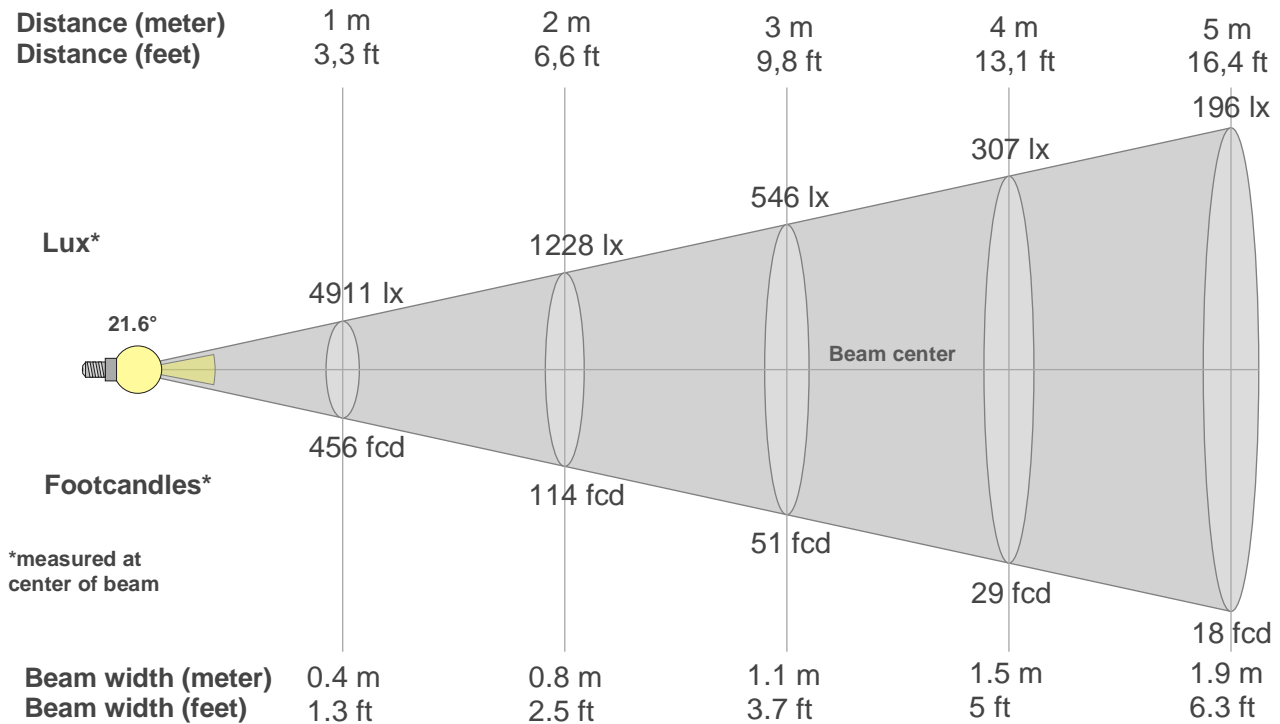
Color vector graphics



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
4911lx	1228lx	546lx	307lx	196lx	136lx	100lx	77lx	61lx	49lx	41lx	34lx	29lx	25lx	22lx	19lx	17lx	15lx	14lx	12lx
456.3fc	114.1fc	50.7fcd	28.5fcd	18.3fcd	12.7fcd	9.3fcd	7.1fcd	5.6fcd	4.6fcd	3.8fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd

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°
4911	4871	4522	3982	3358	2713	2105	1588	1245	1046	951	897	820	698	596	515	431	336	251	185
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°
4911	4871	4522	3982	3358	2713	2105	1588	1245	1046	951	897	820	698	596	515	431	336	251	185
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°
4911	4871	4522	3982	3358	2713	2105	1588	1245	1046	951	897	820	698	596	515	431	336	251	185
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°
4911	4871	4522	3982	3358	2713	2105	1588	1245	1046	951	897	820	698	596	515	431	336	251	185
100%	99%	92%	81%	68%	55%	43%	32%	25%	21%	19%	18%	17%	14%	12%	10%	9%	7%	5%	4%

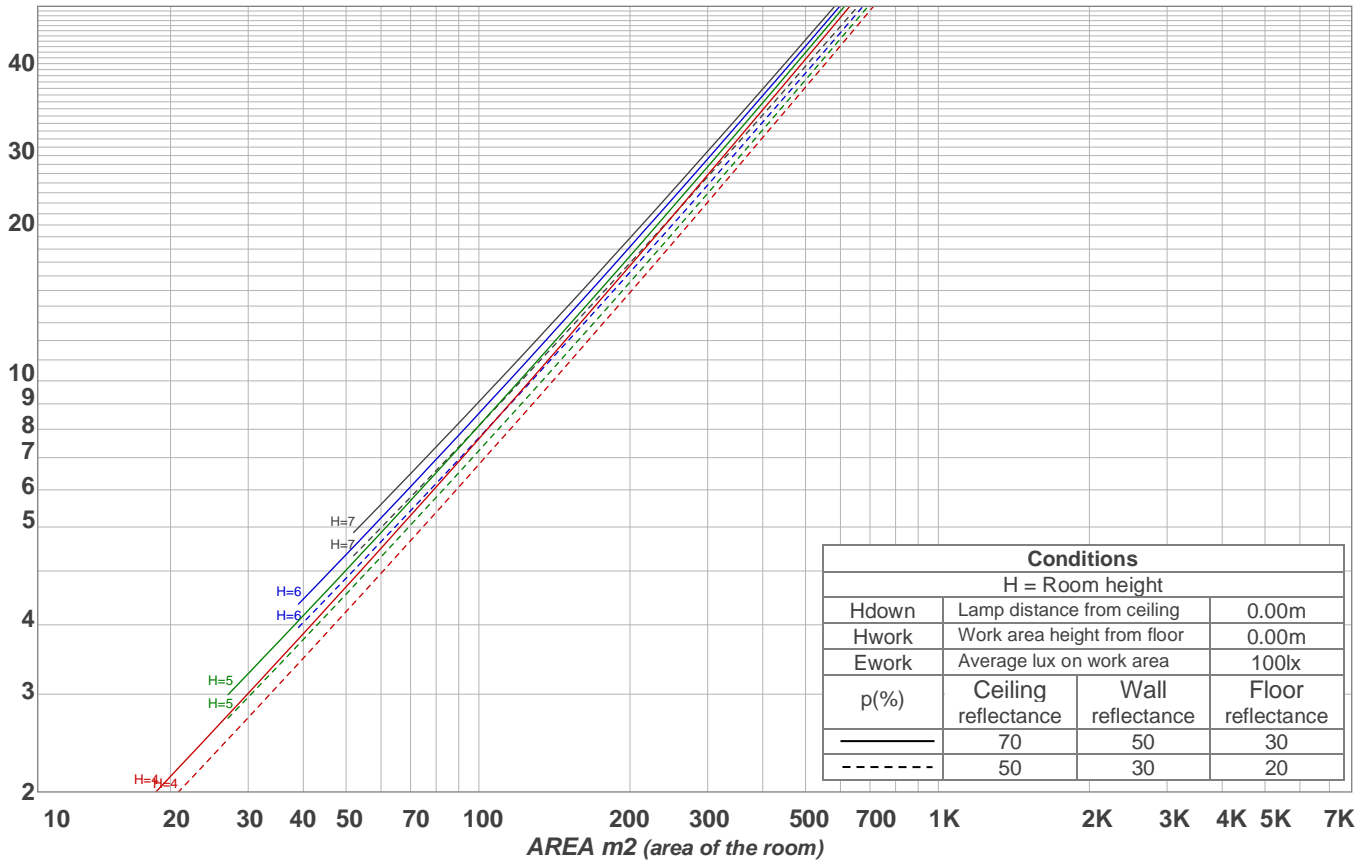
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21.6°	61.3°	81.8°	97.9%	95.2%

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

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
357 lm	411 lm	340 lm	186 lm	61.0 lm	14.7 lm	7.33 lm	4.01 lm	3.87 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	32.6	33.2	32.7	33.4	33.6	32.6	33.2	32.7	33.4	33.6
	3H	32.4	33.1	32.8	33.3	33.5	32.4	33.1	32.8	33.3	33.5
	4H	32.4	33.1	32.8	33.3	33.5	32.4	33.1	32.8	33.3	33.5
	6H	32.5	33.0	32.7	33.3	33.6	32.5	33.0	32.7	33.3	33.6
	8H	32.5	33.0	32.8	33.3	33.7	32.5	33.0	32.8	33.3	33.7
	12H	32.5	33.0	32.9	33.4	33.8	32.5	33.0	32.9	33.4	33.8
4H	2H	32.3	33.0	32.7	33.2	33.4	32.3	33.0	32.7	33.2	33.4
	3H	32.3	32.8	32.7	33.2	33.6	32.3	32.8	32.7	33.2	33.6
	4H	32.2	32.7	32.7	33.1	33.7	32.2	32.7	32.7	33.1	33.7
	6H	32.3	32.8	32.8	33.1	33.5	32.3	32.8	32.8	33.1	33.5
	8H	32.4	32.8	32.9	33.2	33.5	32.4	32.8	32.9	33.2	33.5
	12H	32.5	32.9	33.0	33.3	33.7	32.5	32.9	33.0	33.3	33.7
8H	4H	32.1	32.6	32.7	33.0	33.3	32.1	32.6	32.7	33.0	33.3
	6H	32.3	32.6	32.8	33.0	33.6	32.3	32.6	32.8	33.0	33.6
	8H	32.5	32.7	33.0	33.2	33.9	32.5	32.7	33.0	33.2	33.9
	12H	32.7	33.0	33.3	33.5	34.1	32.7	33.0	33.3	33.5	34.1
12H	4H	32.1	32.5	32.6	32.9	33.3	32.1	32.5	32.6	32.9	33.3
	6H	32.3	32.6	32.8	33.1	33.7	32.3	32.6	32.8	33.1	33.7
	8H	32.5	32.7	33.1	33.2	33.8	32.5	32.7	33.1	33.2	33.8
Corrected glare indices referring to 1385 lm total luminous flux											