

Light efficiency:



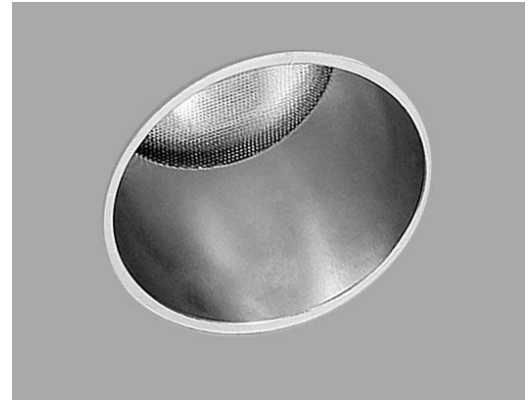
Output: 963 lm

Light quality:

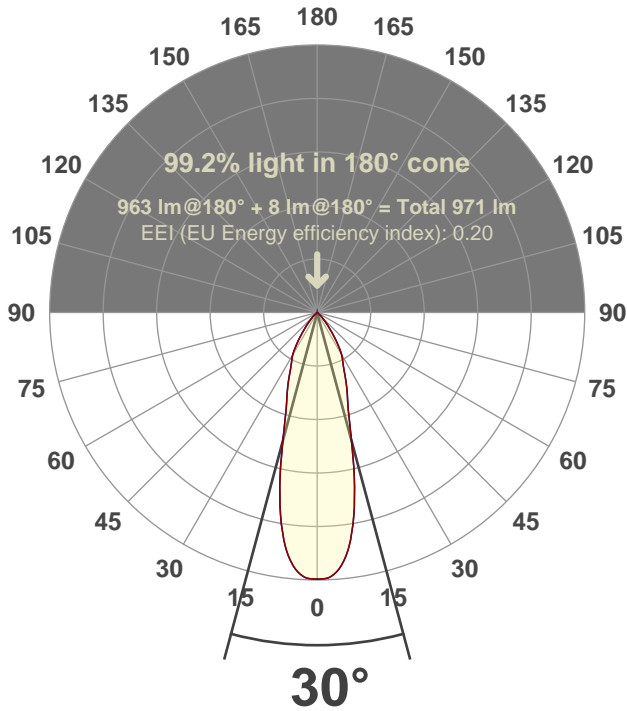


Peak: 2136 cd

Power: 14.0 W



Beam angle



Test number:

SCOD-R-DR-C14-30k-30°- CLEAR ANODIZE

Luminaire Model:

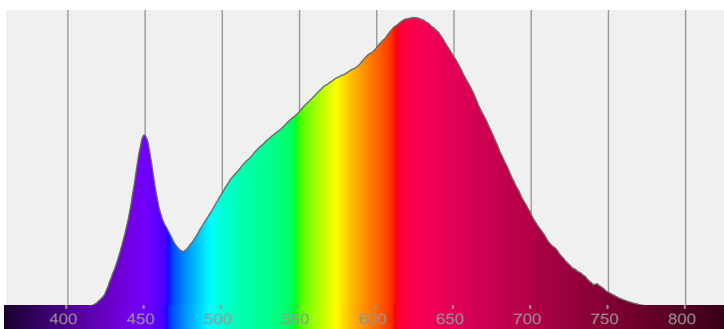
Scope Original Round Downlight - Deep Regress - C14-30k-30°

Date and time:

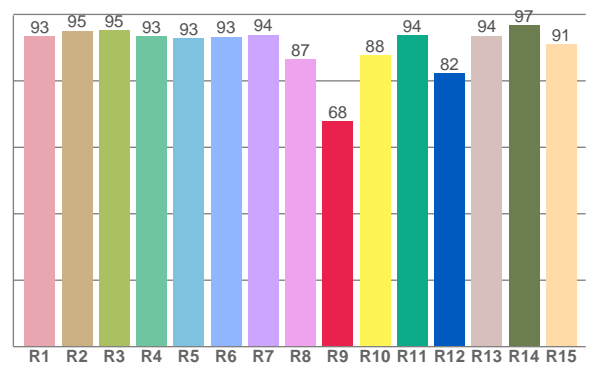
5/13/2021 1:19:22 PM

LUM: 963

Spectra



CRI: 93.0 (R1-R8)



Color parameters

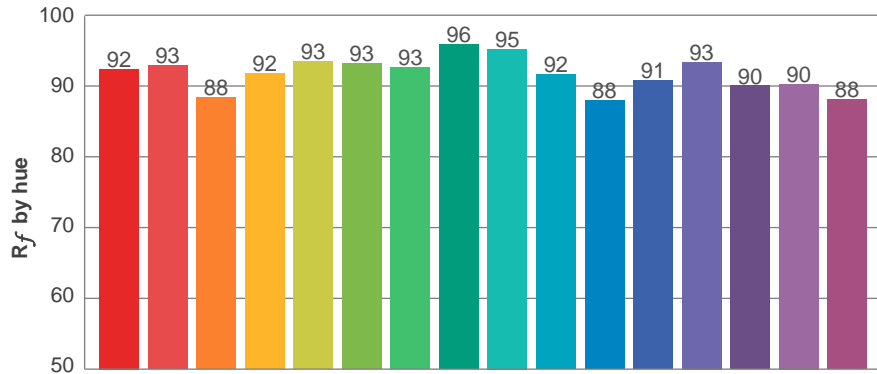
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.0	67.9	91.8	101.5	90.9	0.425	0.397	0.246	0.344	-0.0010

R_f 91.8
Fidelity index R_f

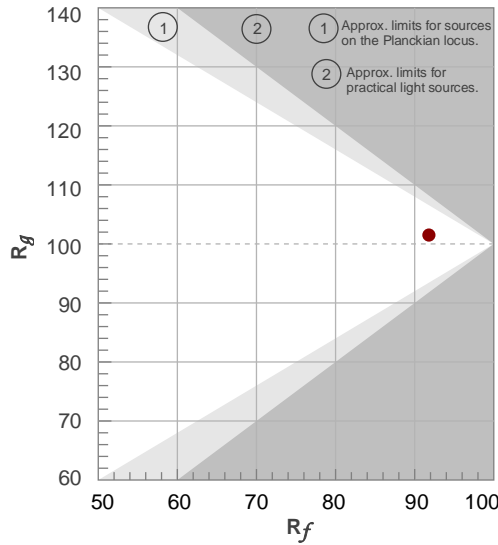
R_g 101.5
Gammut index R_g

TM30: 91.8

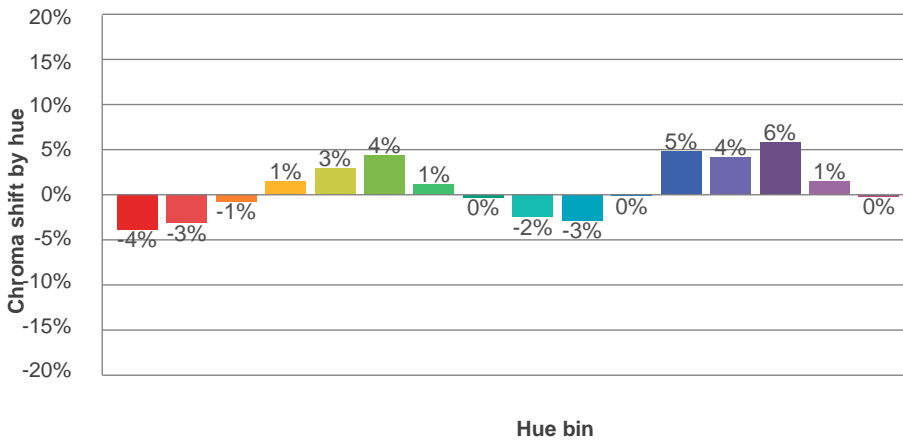
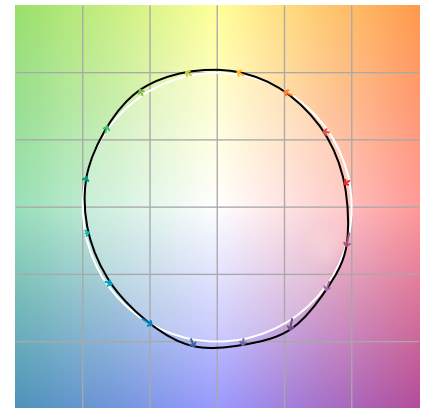
TM-30Color



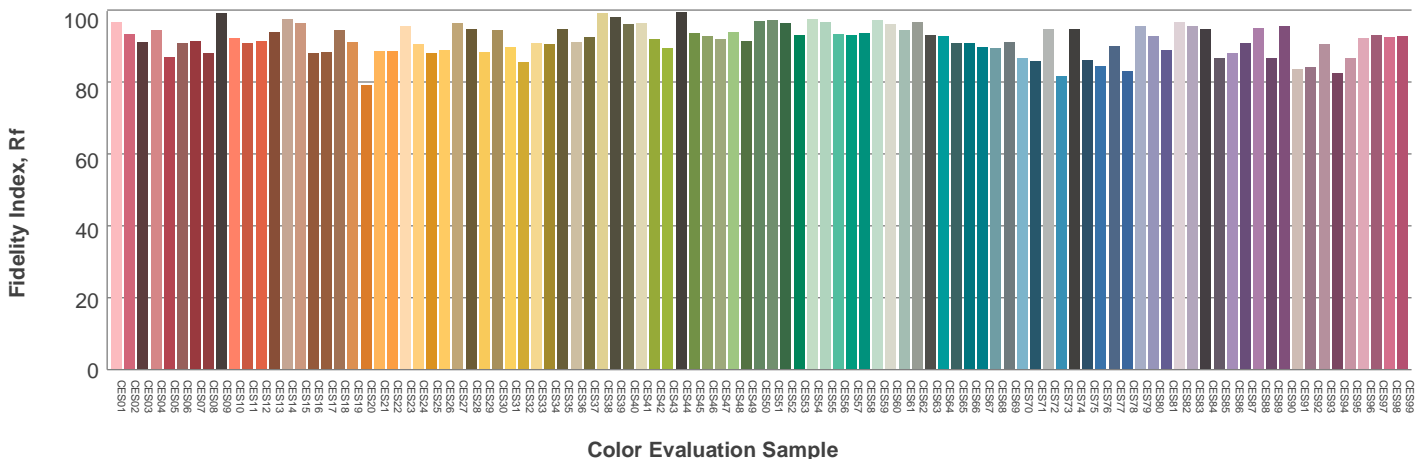
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	93	-3%	3%
3	88	-1%	6%
4	92	1%	5%
5	93	3%	3%
6	93	4%	-1%
7	93	1%	-4%
8	96	0%	-3%
9	95	-2%	0%
10	92	-3%	4%
11	88	0%	8%
12	91	5%	3%
13	93	4%	-1%
14	90	6%	-6%
15	90	1%	-6%
16	88	0%	-10%



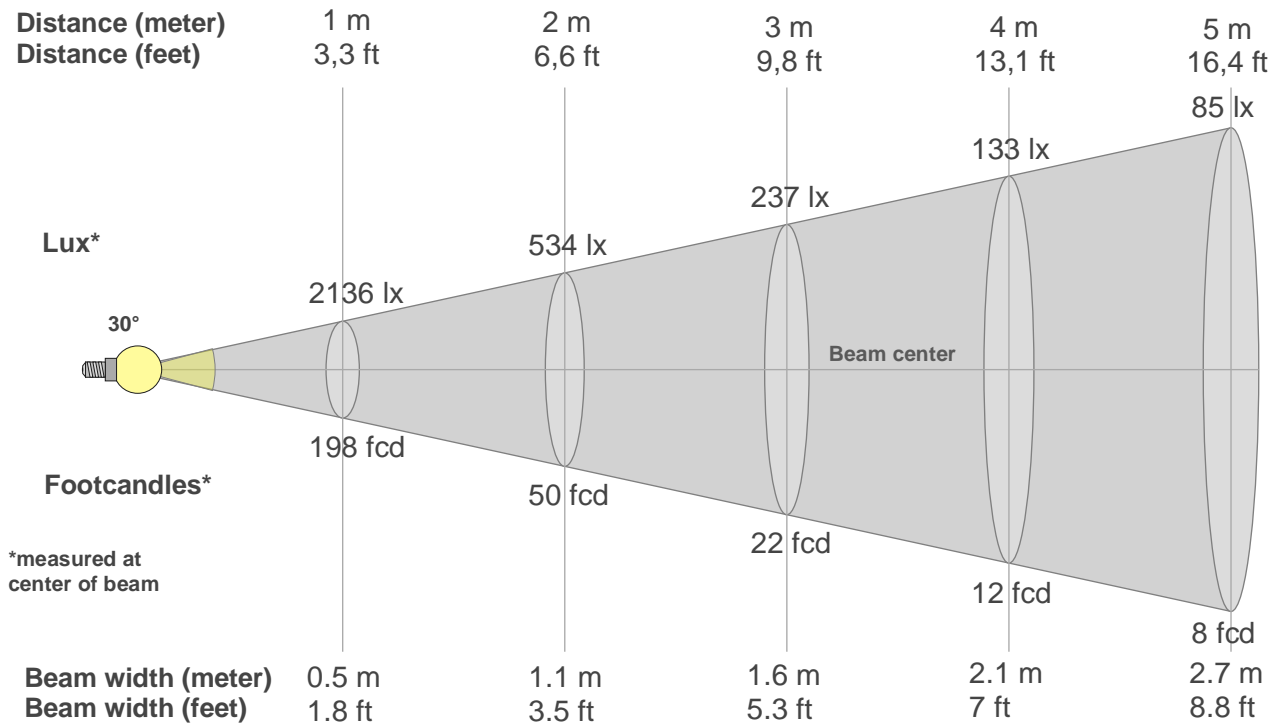
Color vector graphics



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
2136lx	534lx	237lx	133lx	85lx	59lx	44lx	33lx	26lx	21lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	7lx	6lx	5lx
198.4fcd	49.6fcd	22fcd	12.4fcd	7.9fcd	5.5fcd	4fcd	3.1fcd	2.4fcd	2fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd

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°
2136	2127	2084	1999	1868	1676	1441	1195	973	806	712	629	551	484	435	395	339	279	222	169
100%	100%	98%	94%	87%	78%	67%	56%	46%	38%	33%	29%	26%	23%	20%	19%	16%	13%	10%	8%

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°
2136	2127	2084	1999	1868	1676	1441	1195	973	806	712	629	551	484	435	395	339	279	222	169
100%	100%	98%	94%	87%	78%	67%	56%	46%	38%	33%	29%	26%	23%	20%	19%	16%	13%	10%	8%

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°
2136	2127	2084	1999	1868	1676	1441	1195	973	806	712	629	551	484	435	395	339	279	222	169
100%	100%	98%	94%	87%	78%	67%	56%	46%	38%	33%	29%	26%	23%	20%	19%	16%	13%	10%	8%

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°
2136	2127	2084	1999	1868	1676	1441	1195	973	806	712	629	551	484	435	395	339	279	222	169
100%	100%	98%	94%	87%	78%	67%	56%	46%	38%	33%	29%	26%	23%	20%	19%	16%	13%	10%	8%

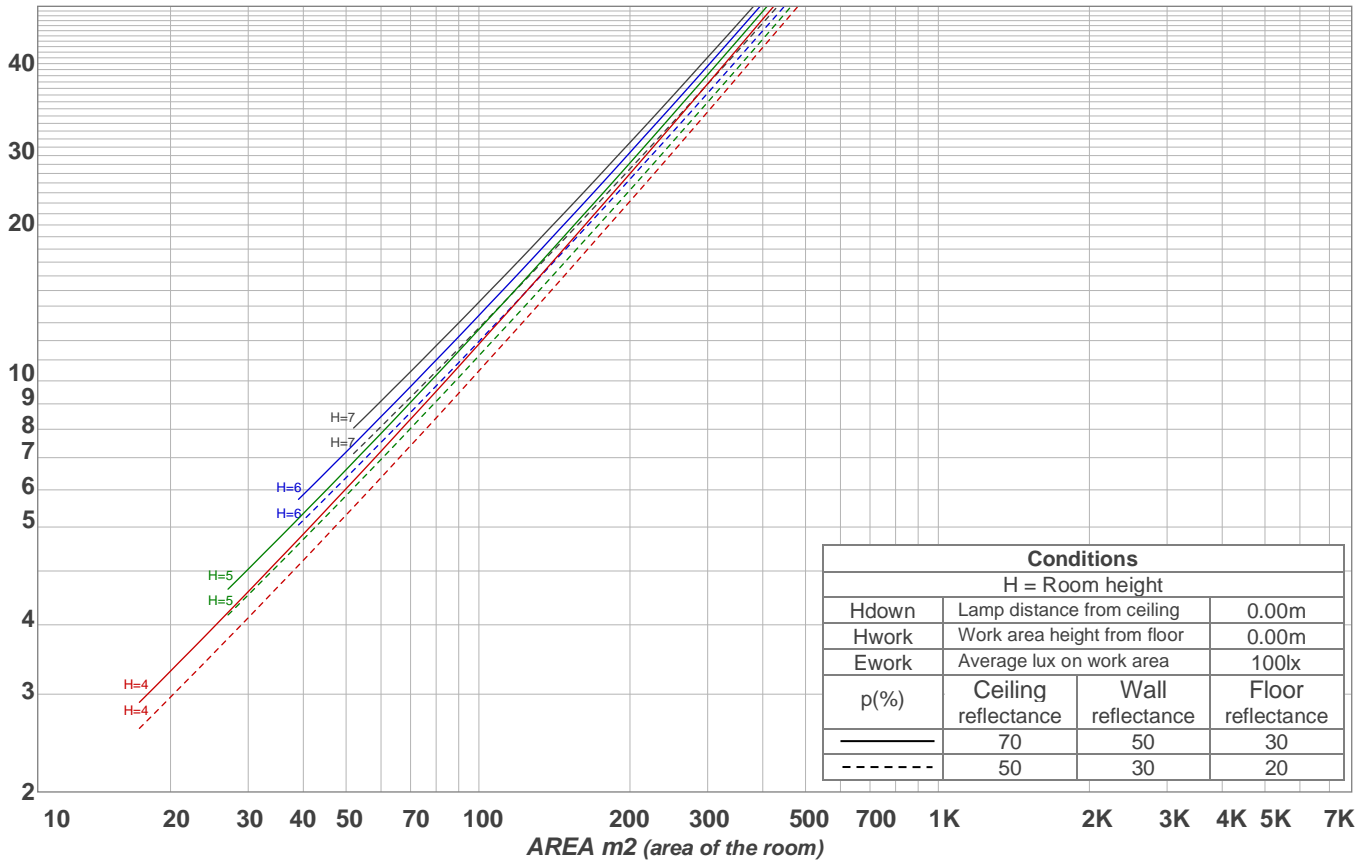
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30°	72.6°	95°	97.9%	94.5%

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	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	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	97	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	69	65	82	73	68	65	72	68	64	71	67	64	70	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60
10	76	67	62	59	75	67	62	58	66	62	58	65	61	58	65	61	58	57

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
184 lm	301 lm	240 lm	156 lm	56.3 lm	12.3 lm	5.74 lm	3.91 lm	2.97 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	32.8	33.4	32.9	33.6	33.8	32.8	33.4	32.9	33.6	33.8
	3H	32.6	33.3	32.9	33.5	33.7	32.6	33.3	32.9	33.5	33.7
	4H	32.5	33.2	32.9	33.5	33.7	32.5	33.2	32.9	33.5	33.7
	6H	32.6	33.2	32.9	33.5	33.8	32.6	33.2	32.9	33.5	33.8
	8H	32.6	33.2	32.9	33.5	33.9	32.6	33.2	32.9	33.5	33.9
	12H	32.7	33.2	33.0	33.6	34.0	32.7	33.2	33.0	33.6	34.0
4H	2H	32.4	33.1	32.8	33.4	33.6	32.4	33.1	32.8	33.4	33.6
	3H	32.5	33.0	32.8	33.4	33.8	32.5	33.0	32.8	33.4	33.8
	4H	32.4	32.9	32.8	33.3	33.9	32.4	32.9	32.8	33.3	33.9
	6H	32.5	33.0	33.0	33.3	33.7	32.5	33.0	33.0	33.3	33.7
	8H	32.5	33.0	33.0	33.3	33.7	32.5	33.0	33.0	33.3	33.7
	12H	32.6	33.0	33.1	33.4	33.9	32.6	33.0	33.1	33.4	33.9
8H	4H	32.3	32.8	32.8	33.2	33.5	32.3	32.8	32.8	33.2	33.5
	6H	32.5	32.8	33.0	33.2	33.8	32.5	32.8	33.0	33.2	33.8
	8H	32.6	32.9	33.1	33.4	34.0	32.6	32.9	33.1	33.4	34.0
	12H	32.8	33.0	33.4	33.6	34.2	32.8	33.0	33.4	33.6	34.2
12H	4H	32.3	32.7	32.8	33.1	33.5	32.3	32.7	32.8	33.1	33.5
	6H	32.5	32.8	33.0	33.3	33.9	32.5	32.8	33.0	33.3	33.9
	8H	32.6	32.8	33.2	33.3	33.9	32.6	32.8	33.2	33.3	33.9
Corrected glare indices referring to 963 lm total luminous flux											