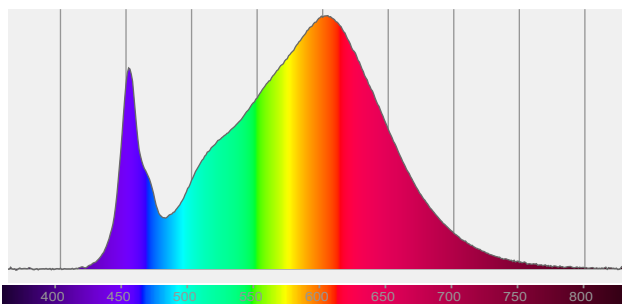
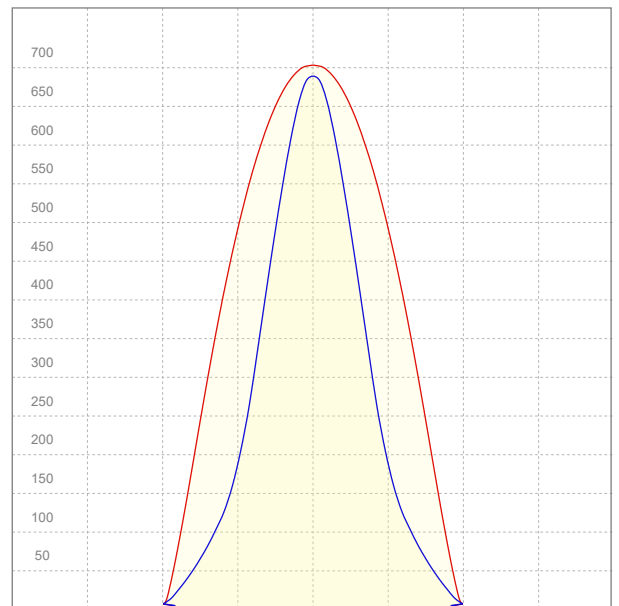
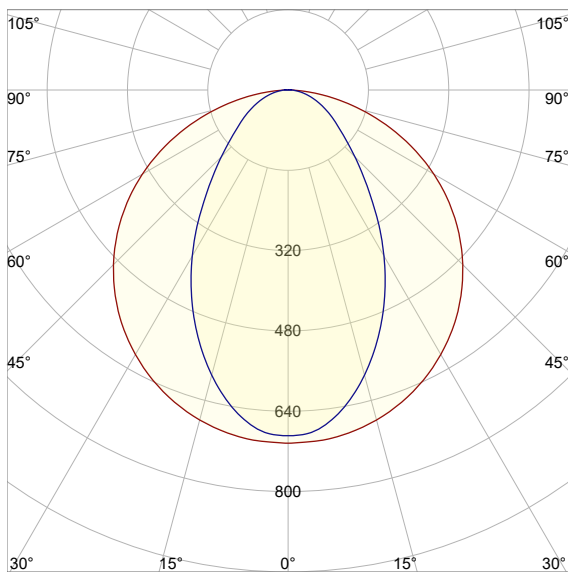
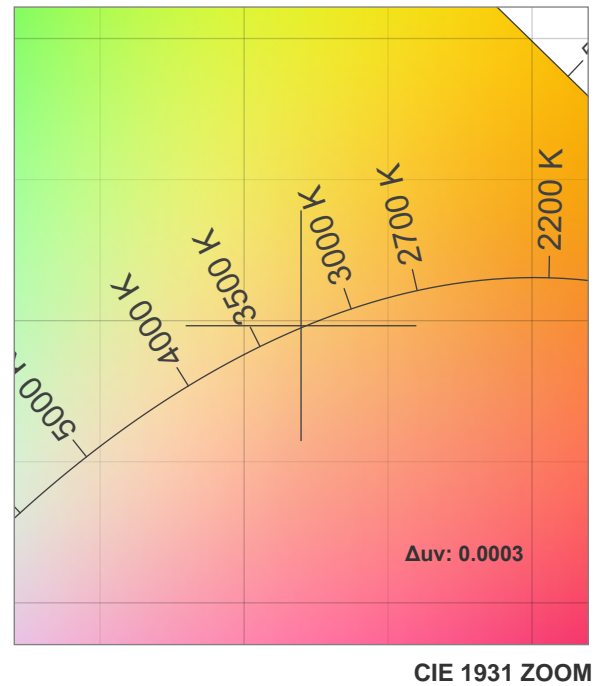
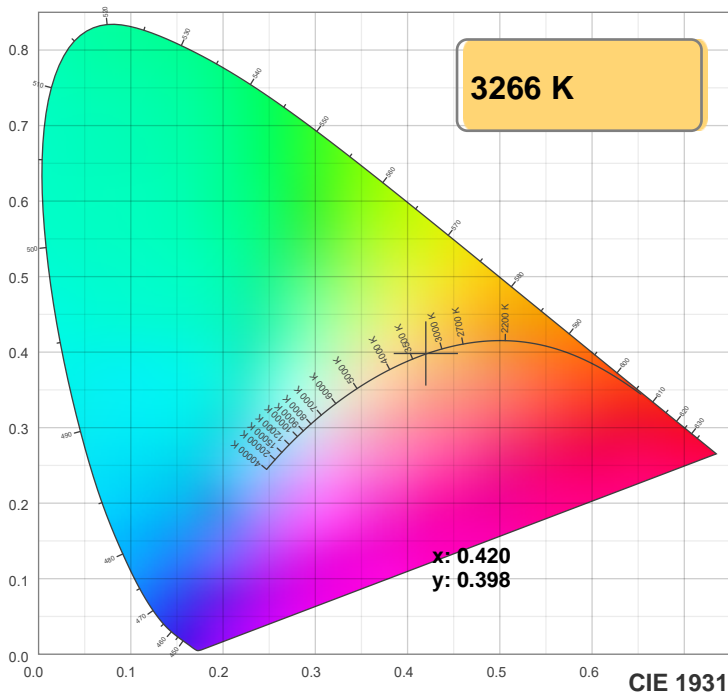


Light efficiency:**107 Lumen/Watt****Output: 1383 lm****Light quality:****CRI: 82.4****Peak: 707 cd****Color temperature:****3266 K****Power: 12.9 W****PF: 1.0**

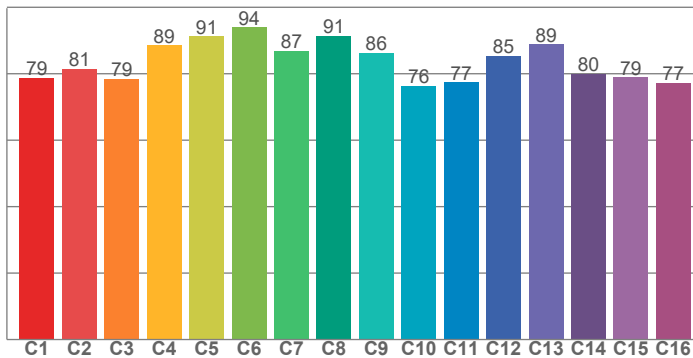
No photo

**Product name:****NANOBeam Regressed Medium 70°****Item number:****NBE9545****Configuration:****NBE9545-4FT-3580-WT-DRM70-350LPF****Date and time:****8/3/2021 4:11:29 PM****Description:****Power Supply @ 360mA**

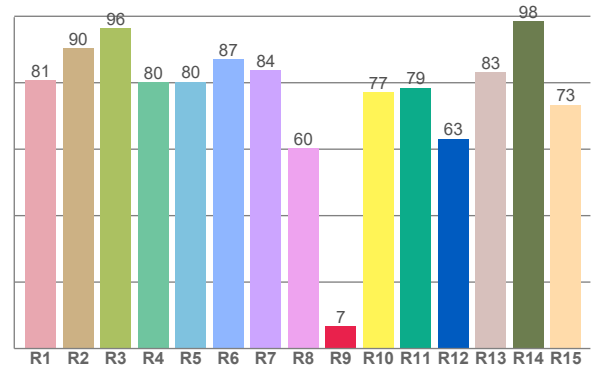
Color Details



TM-30: 83.7



CRI: 82.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
80.8	90.4	96.5	80.1	80.3	87.1	83.7	60.4	6.8	77.2	78.5	63.2	83.2	98.5	73.4

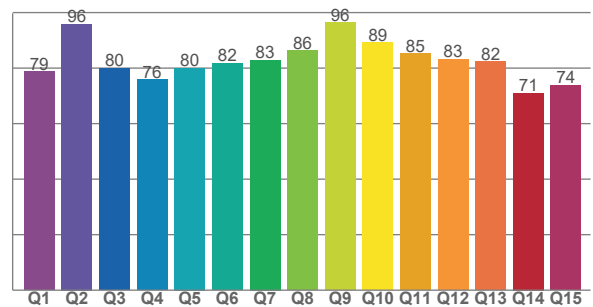
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.7	81.4	78.5	88.5	91.2	94.0	86.9	91.5	86.3	76.4	77.4	85.5	88.8	80.1	79.0	77.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	95.9	79.9	75.8	80.0	81.8	82.9	86.4	96.4	89.2	85.3	83.2	82.3	71.1	73.8

CQS: 81.4



Color parameters

Color temperature	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
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3266 K	82.4	6.8	83.7	95.3	81.4	0.420	0.398	0.242	0.344	0.0003

TM-30 Details

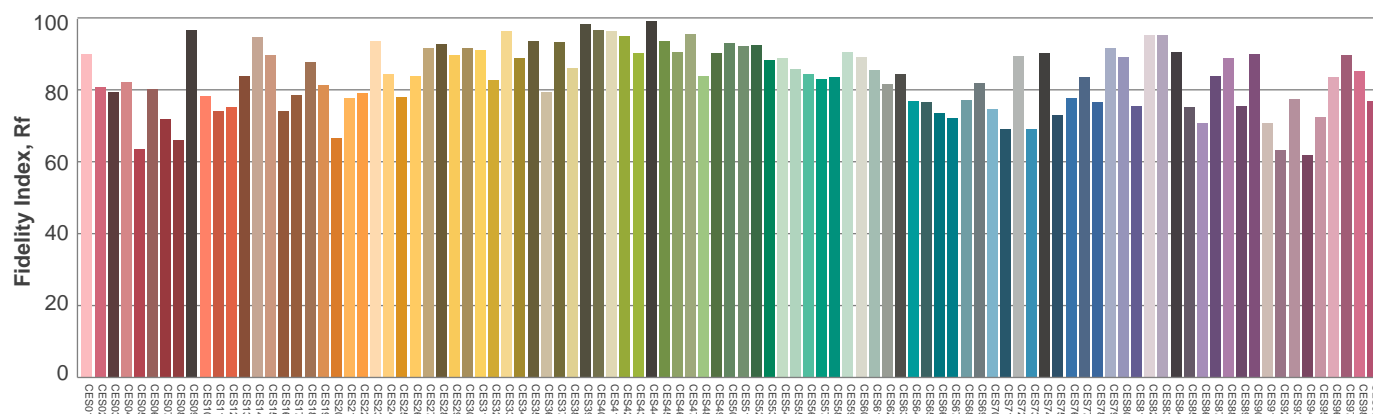
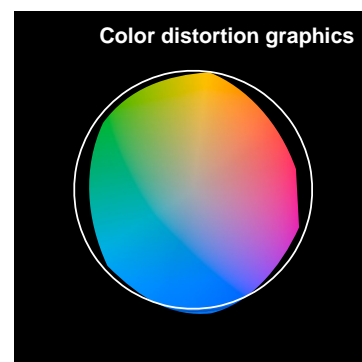
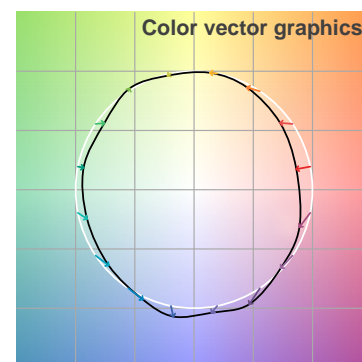
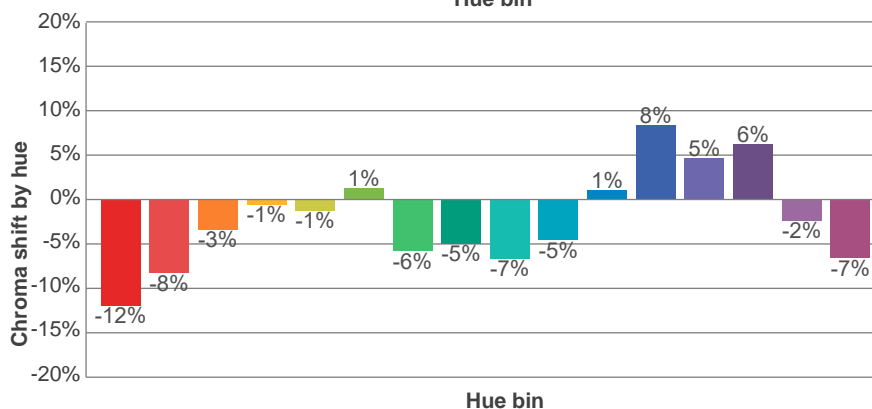
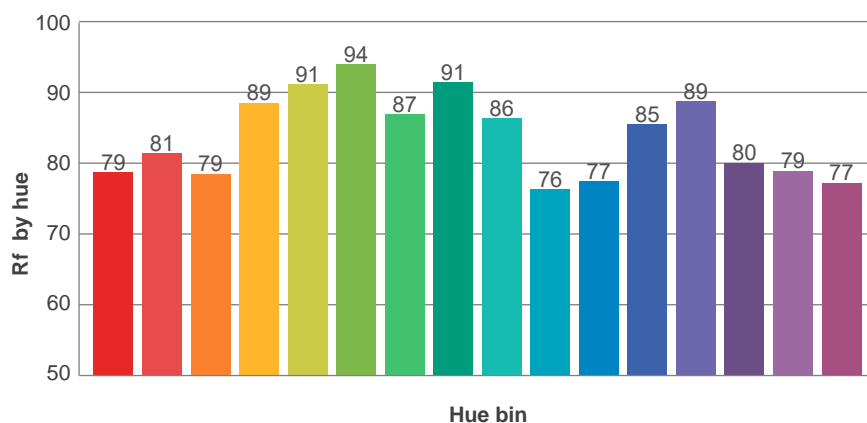
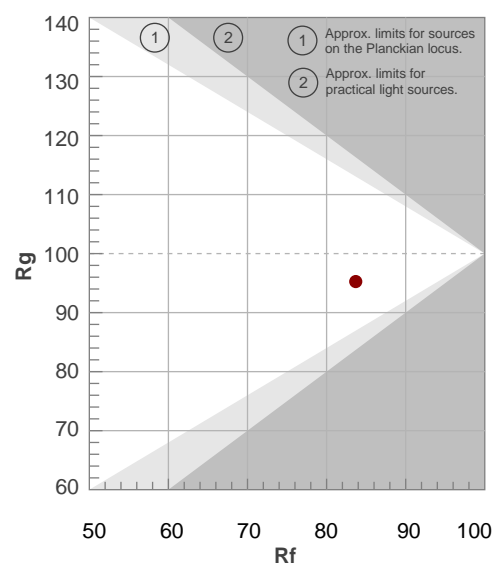
Rf 83.7

Fidelity index Rf

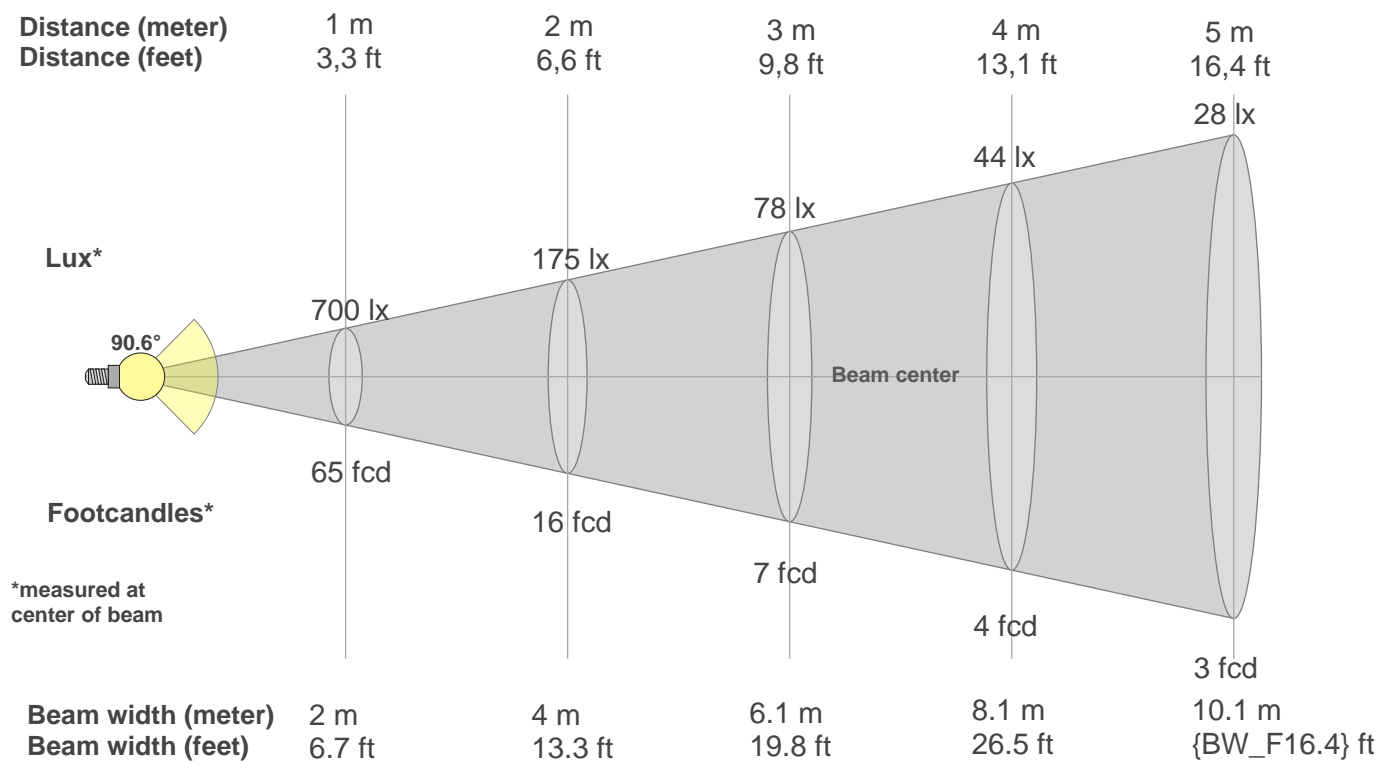
Rg 95.3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	79	-3%	11%
4	89	-1%	6%
5	91	-1%	3%
6	94	1%	-2%
7	87	-6%	-5%
8	91	-5%	0%
9	86	-7%	6%
10	76	-5%	13%
11	77	1%	16%
12	85	8%	4%
13	89	5%	-6%
14	80	6%	-15%
15	79	-2%	-14%
16	77	-7%	-14%



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
700lx	175lx	78lx	44lx	28lx	19lx	14lx	11lx	9lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx
65fcd	16.3fcd	7.2fcd	4.1fcd	2.6fcd	1.8fcd	1.3fcd	1fcd	0.8fcd	0.7fcd	0.5fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
700	701	693	680	661	637	608	574	535	492	444	391	335	275	212	150	90	36	3	2
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	56%	48%	39%	30%	21%	13%	5%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
700	675	640	587	524	454	382	309	242	189	148	118	95	75	57	41	27	14	4	3
100%	97%	91%	84%	75%	65%	55%	44%	35%	27%	21%	17%	14%	11%	8%	6%	4%	2%	1%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
700	701	693	680	661	637	608	574	535	492	444	391	335	275	212	150	90	36	3	2
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	56%	48%	39%	30%	21%	13%	5%	0%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
700	675	640	587	524	454	382	309	242	189	148	118	95	75	57	41	27	14	4	3
100%	97%	91%	84%	75%	65%	55%	44%	35%	27%	21%	17%	14%	11%	8%	6%	4%	2%	1%	0%

UGR

Glare evaluation according to 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	24.0	25.1	24.2	25.4	25.6	18.8	19.9	19.0	20.2	20.4
	3H	25.7	26.8	26.1	27.1	27.3	19.7	20.8	20.1	21.1	21.3
	4H	26.5	27.6	26.9	27.8	28.1	20.2	21.3	20.6	21.5	21.8
	6H	27.1	28.1	27.5	28.4	28.8	20.6	21.6	20.9	21.9	22.2
	8H	27.4	28.3	27.7	28.6	29.0	20.8	21.7	21.1	22.0	22.4
	12H	27.5	28.4	27.8	28.7	29.2	20.9	21.8	21.3	22.1	22.6
4H	2H	23.9	25.0	24.3	25.3	25.6	19.6	20.7	20.0	21.0	21.2
	3H	25.8	26.8	26.2	27.1	27.5	20.8	21.7	21.1	22.0	22.4
	4H	26.7	27.5	27.1	27.9	28.4	21.2	22.1	21.7	22.5	23.0
	6H	27.4	28.2	27.9	28.6	29.0	21.7	22.6	22.2	22.9	23.3
	8H	27.7	28.5	28.2	28.8	29.2	21.9	22.7	22.5	23.0	23.4
	12H	27.9	28.5	28.4	28.9	29.4	22.1	22.7	22.6	23.1	23.6
8H	4H	26.6	27.4	27.1	27.7	28.1	21.6	22.4	22.1	22.7	23.1
	6H	27.5	28.0	28.0	28.5	29.0	22.3	22.8	22.8	23.3	23.8
	8H	27.9	28.3	28.4	28.9	29.5	22.6	23.1	23.1	23.6	24.2
	12H	28.2	28.6	28.7	29.1	29.7	22.8	23.3	23.4	23.8	24.4
12H	4H	26.6	27.2	27.1	27.6	28.1	21.7	22.3	22.2	22.7	23.2
	6H	27.5	28.0	28.0	28.5	29.1	22.4	22.9	22.9	23.4	24.0
	8H	27.9	28.3	28.5	28.8	29.4	22.7	23.1	23.3	23.6	24.3
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.1 / -0.2					0.2 / -0.3				
S = 1.5H		0.6 / -0.6					0.4 / -0.5				
S = 2.0H		1.2 / -1.3					0.7 / -0.9				
CIE 117-1995. Corrected glare indices referring to 1383 lm total luminous flux											