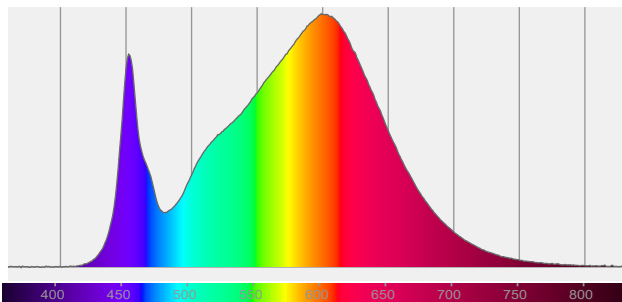
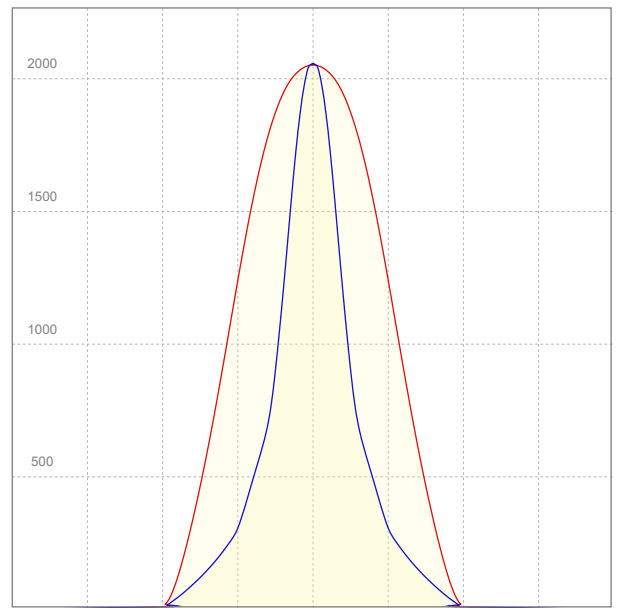
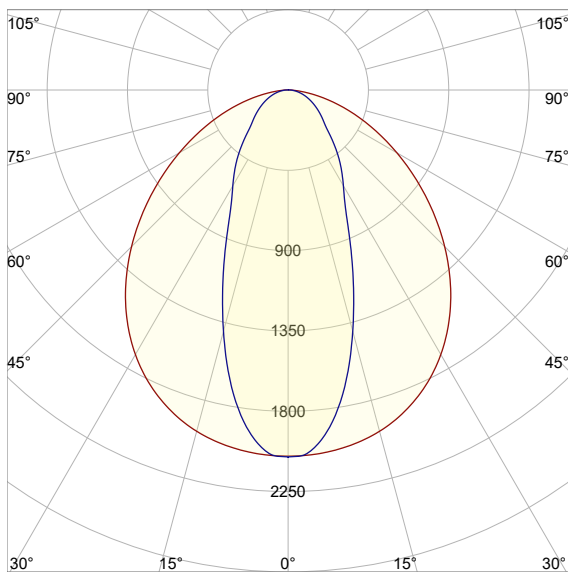
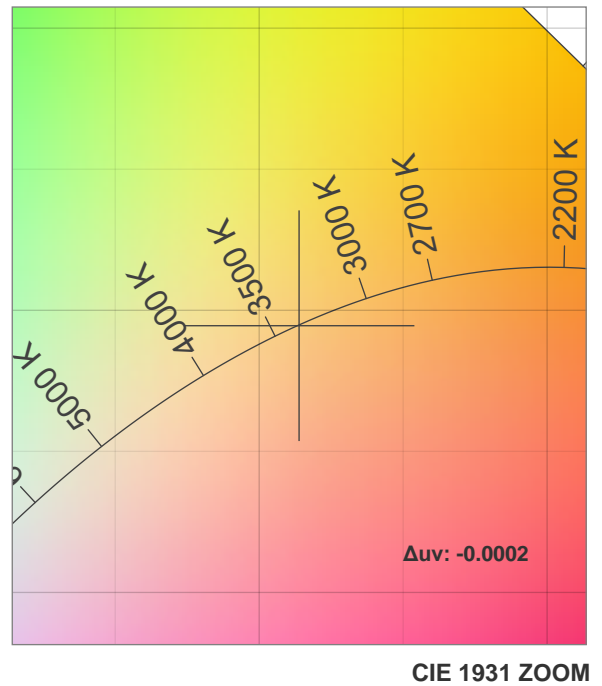
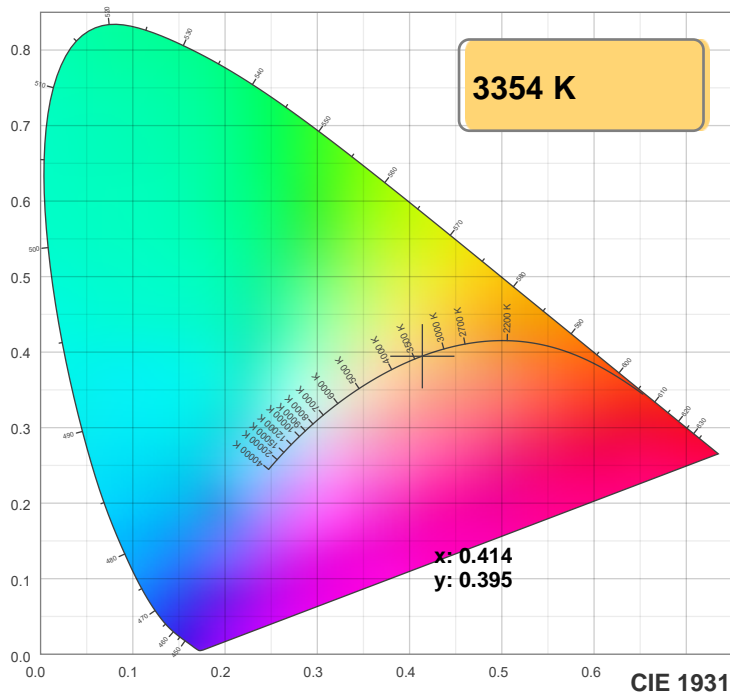


Light efficiency:**116 Lumen/Watt****Output: 2990 lm****Light quality:****CRI: 82.4****Peak: 2061 cd****Color temperature:****3354 K****Power: 25.7 W****PF: 1.0**

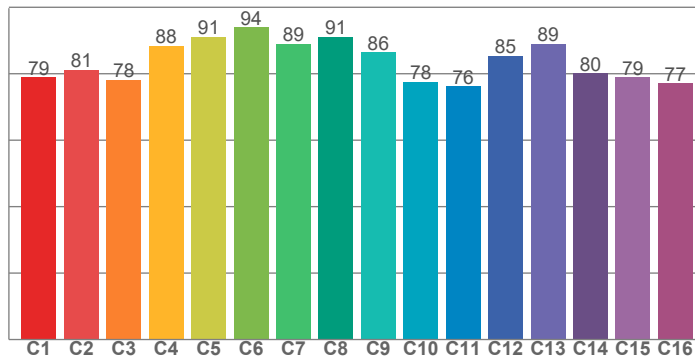
No photo

**Product name:****NANOBeam Regressed Medium 40°****Item number:****NBE9545****Configuration:****NBE9545-4FT-3580-WT-DRM40-750LPF****Date and time:****8/3/2021 4:47:19 PM****Description:****Power Supply @ 690mA**

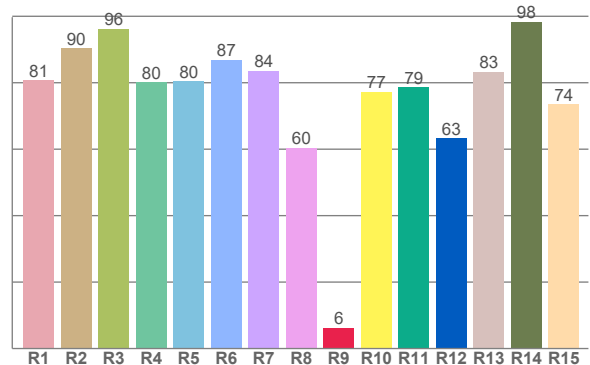
Color Details



TM-30: 83.6



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	90.5	96.3	80.1	80.5	87.0	83.7	60.5	6.2	77.3	78.6	63.3	83.3	98.4	73.5

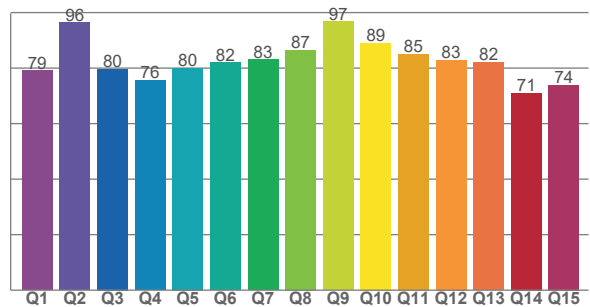
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.9	81.3	78.2	88.4	91.2	93.9	89.0	91.1	86.4	77.5	76.2	85.4	88.9	80.1	78.9	77.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.0	96.4	79.7	75.6	80.1	81.9	83.1	86.5	96.8	89.1	85.0	82.9	82.1	71.0	73.9

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
3354 K	82.4	6.2	83.6	95.1	81.4	0.414	0.395	0.240	0.343	-0.0002

TM-30 Details

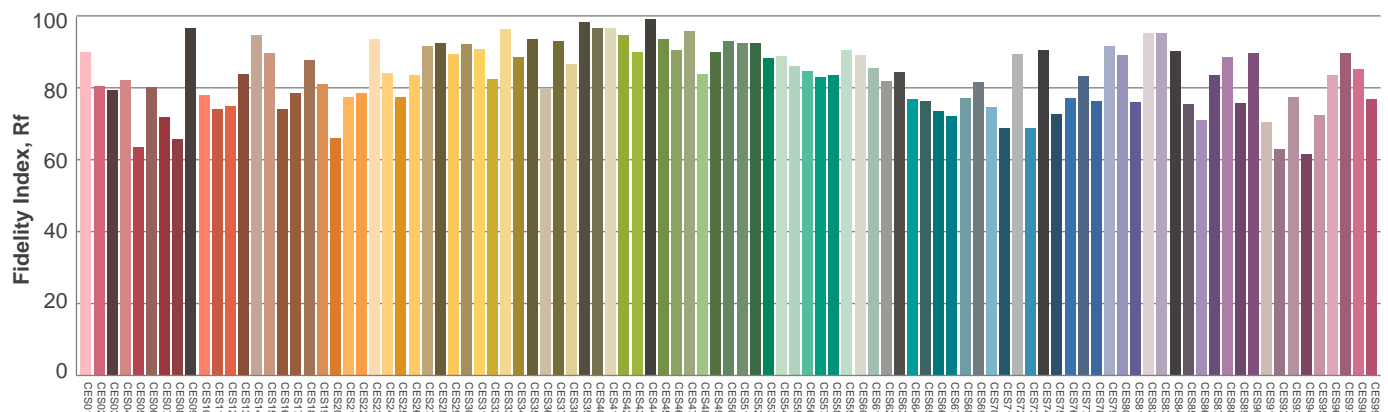
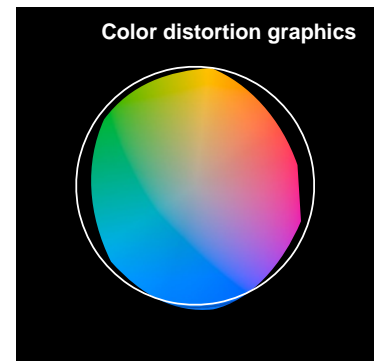
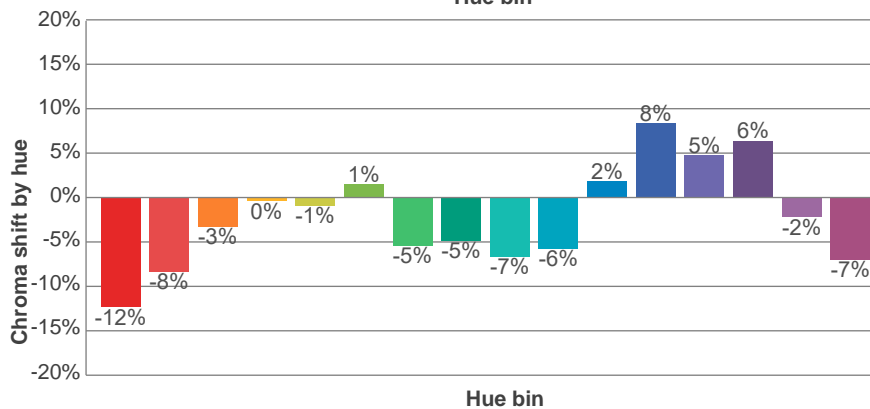
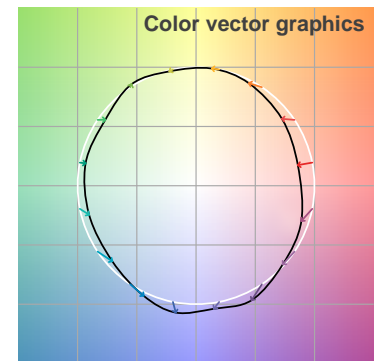
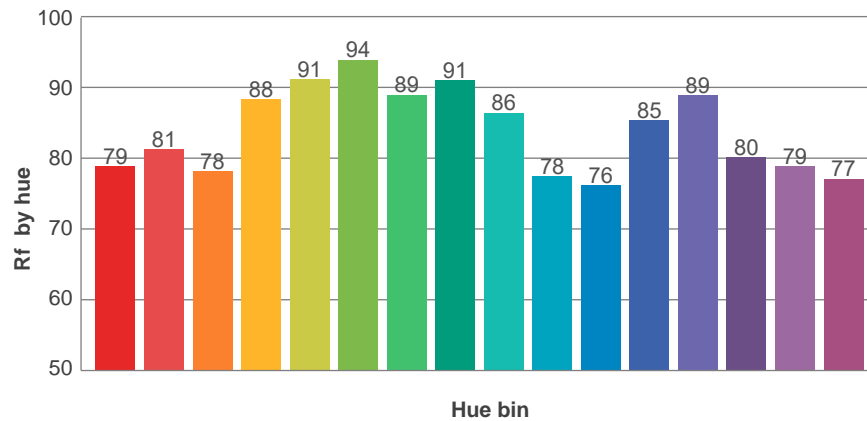
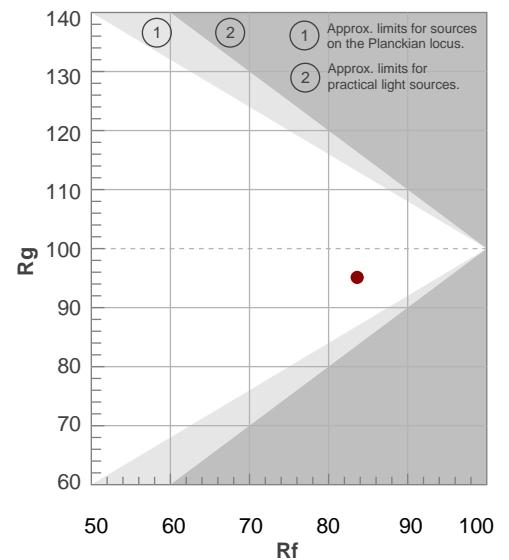
Rf 83.6

Fidelity index Rf

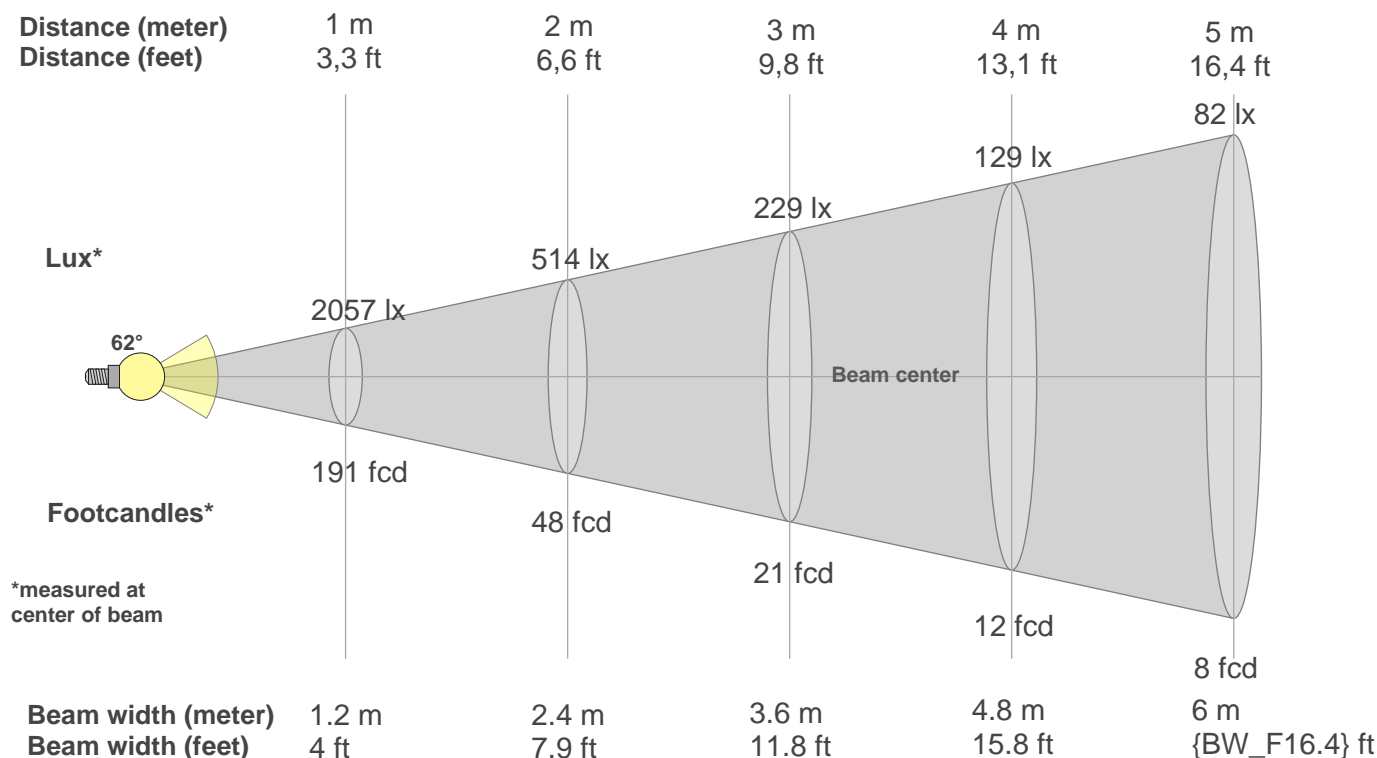
Rg 95.1

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	78	-3%	11%
4	88	0%	6%
5	91	-1%	3%
6	94	1%	-2%
7	89	-5%	-4%
8	91	-5%	0%
9	86	-7%	6%
10	78	-6%	14%
11	76	2%	15%
12	85	8%	4%
13	89	5%	-6%
14	80	6%	-15%
15	79	-2%	-15%
16	77	-7%	-12%



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
2057lx	514lx	229lx	129lx	82lx	57lx	42lx	32lx	25lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx	5lx
191.1fcd	47.8fcd	21.2fcd	11.9fcd	7.6fcd	5.3fcd	3.9fcd	3fcd	2.4fcd	1.9fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.8fcd	0.7fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd

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°
2057	2044	2020	1979	1914	1824	1710	1572	1414	1240	1058	877	703	541	393	259	143	55	9	9
100%	99%	98%	96%	93%	89%	83%	76%	69%	60%	51%	43%	34%	26%	19%	13%	7%	3%	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°
2057	1983	1741	1399	1055	773	620	511	403	307	252	210	171	137	106	77	50	27	11	10
100%	96%	85%	68%	51%	38%	30%	25%	20%	15%	12%	10%	8%	7%	5%	4%	2%	1%	1%	1%

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°
2057	2044	2020	1979	1914	1824	1710	1572	1414	1240	1058	877	703	541	393	259	143	55	9	9
100%	99%	98%	96%	93%	89%	83%	76%	69%	60%	51%	43%	34%	26%	19%	13%	7%	3%	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°
2057	1983	1741	1399	1055	773	620	511	403	307	252	210	171	137	106	77	50	27	11	10
100%	96%	85%	68%	51%	38%	30%	25%	20%	15%	12%	10%	8%	7%	5%	4%	2%	1%	1%	1%

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	26.4	27.4	26.6	27.7	27.9	20.1	21.1	20.2	21.4	21.6
	3H	27.8	28.9	28.2	29.1	29.3	21.1	22.2	21.5	22.4	22.6
	4H	28.4	29.4	28.8	29.7	29.9	21.6	22.6	22.0	22.9	23.1
	6H	28.9	29.8	29.2	30.1	30.5	22.1	23.0	22.4	23.3	23.7
	8H	29.0	29.9	29.4	30.2	30.6	22.3	23.1	22.6	23.5	23.9
	12H	29.1	29.9	29.5	30.3	30.7	22.4	23.2	22.8	23.6	24.0
4H	2H	26.2	27.3	26.6	27.5	27.8	20.9	21.9	21.3	22.2	22.4
	3H	27.9	28.7	28.2	29.1	29.5	22.2	23.0	22.5	23.4	23.8
	4H	28.5	29.3	29.0	29.7	30.3	22.7	23.5	23.1	23.9	24.4
	6H	29.1	29.9	29.6	30.2	30.6	23.2	24.0	23.7	24.4	24.7
	8H	29.3	30.0	29.8	30.4	30.7	23.5	24.2	24.0	24.5	24.9
	12H	29.4	30.0	29.9	30.4	30.9	23.6	24.2	24.1	24.6	25.1
8H	4H	28.5	29.2	29.0	29.6	29.9	23.1	23.8	23.6	24.2	24.5
	6H	29.2	29.7	29.7	30.1	30.7	23.8	24.3	24.3	24.8	25.3
	8H	29.4	29.9	30.0	30.4	31.0	24.1	24.6	24.7	25.1	25.7
	12H	29.6	30.0	30.2	30.5	31.1	24.4	24.8	25.0	25.3	25.9
12H	4H	28.5	29.0	29.0	29.4	29.9	23.1	23.7	23.6	24.1	24.6
	6H	29.2	29.6	29.7	30.1	30.8	23.9	24.4	24.5	24.9	25.5
	8H	29.4	29.8	30.0	30.3	30.9	24.3	24.7	24.9	25.2	25.8
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.3 / -0.3					0.2 / -0.3				
S = 1.5H		1.0 / -1.0					0.4 / -0.5				
S = 2.0H		1.8 / -1.7					0.6 / -0.8				
CIE 117-1995. Corrected glare indices referring to 2990 lm total luminous flux											