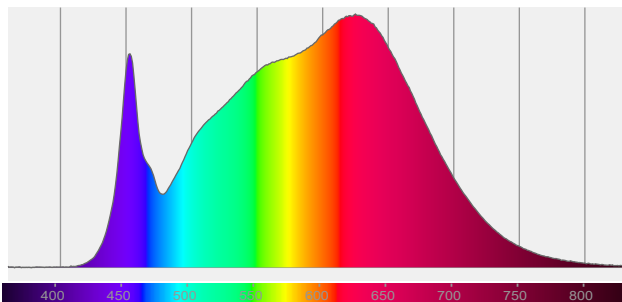
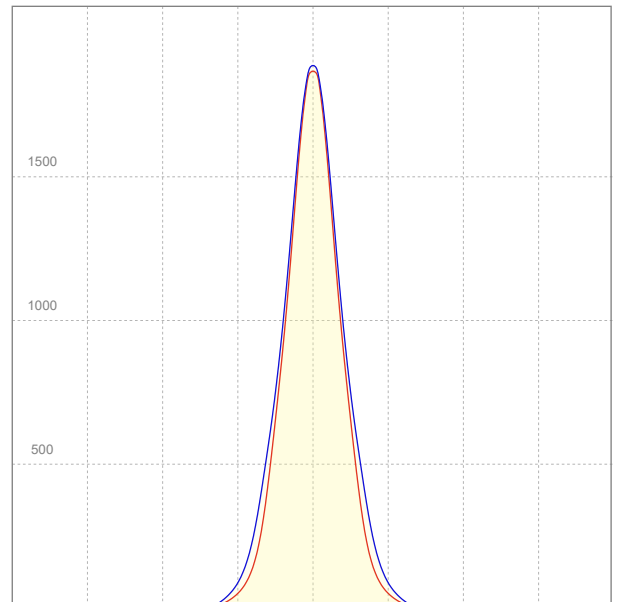
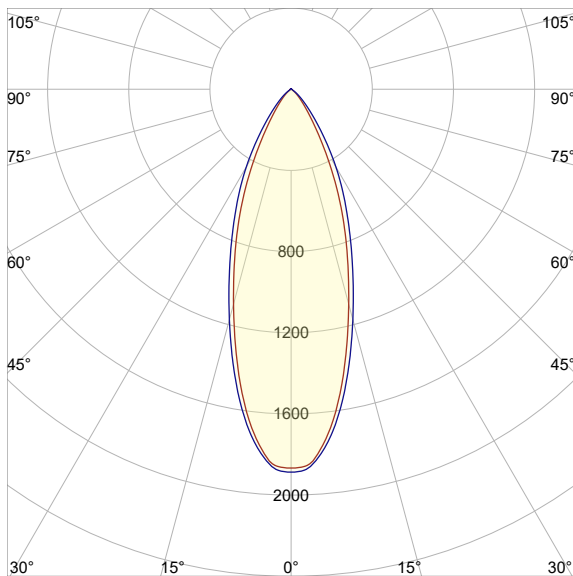


NANOSquare NCO 35°

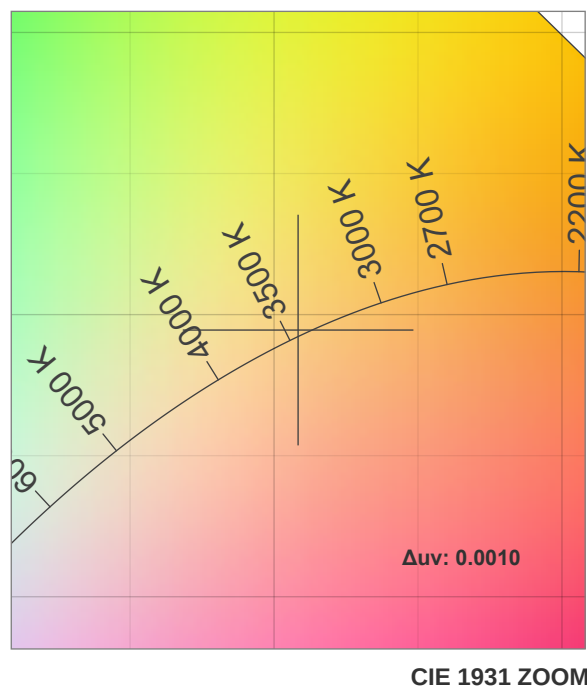
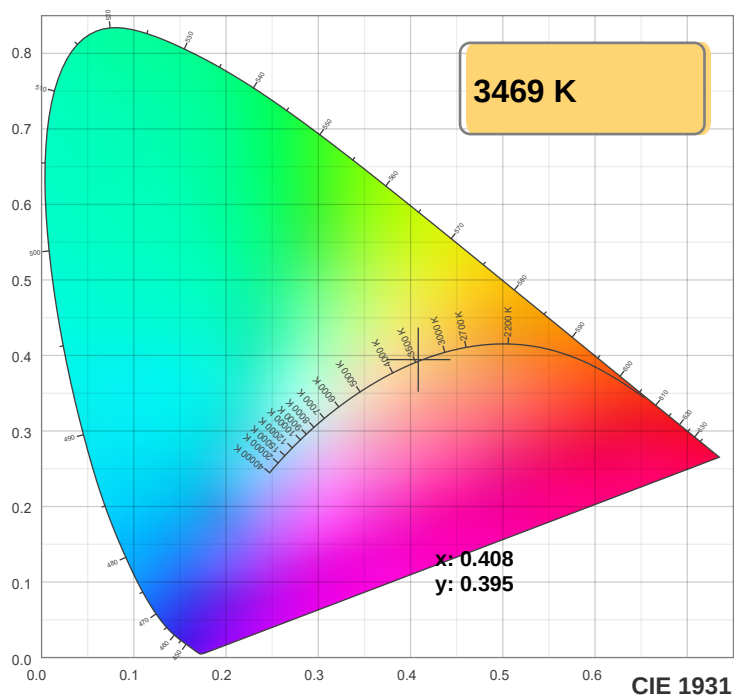
NSQ95-NCO

Light efficiency:**85 Lumen/Watt****Light quality:****CRI: 93.9****Color temperature:****3469 K****Output: 1001 lm****Peak: 1903 cd****Power: 11.8 W****PF: 1.0**

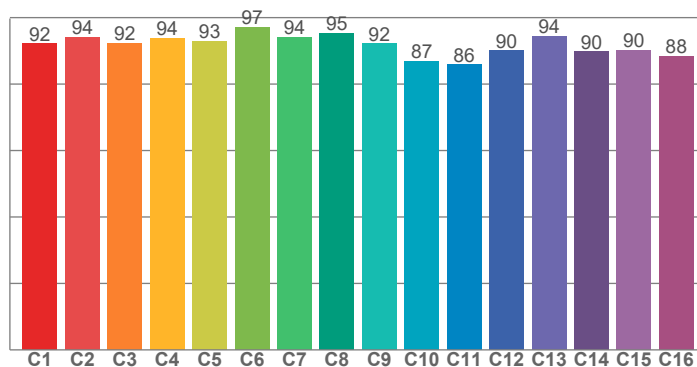
No photo

**Product name:****NANOSquare NCO 35°****Item number:****NSQ95-NCO****Configuration:****NSQ95-NCO-2FT-3590-BK-DNCO35-500LPF****Date and time:****9/7/2021 2:27:31 PM****Description:****Power Supply @ 0.73A**

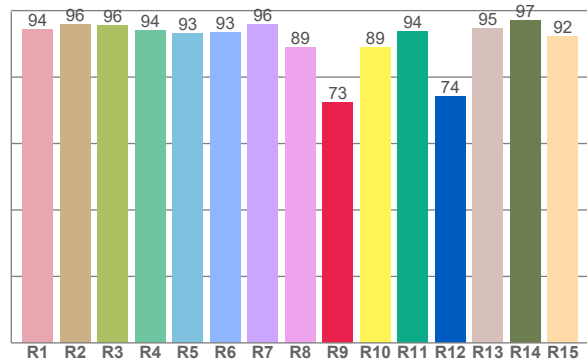
Color Details



TM-30: 91.7



CRI: 93.9 (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
94.2	95.9	95.7	94.2	93.0	93.3	95.9	89.0	72.5	88.9	93.9	74.1	94.6	97.0	92.1

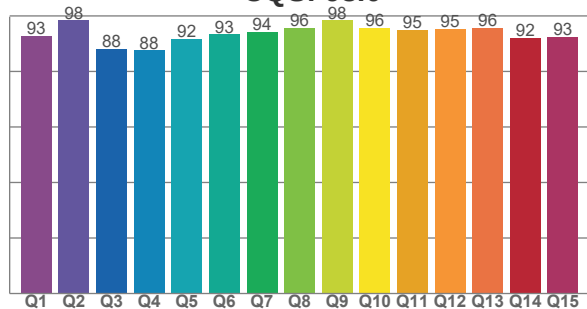
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.1	94.2	92.3	93.8	93.0	97.1	94.2	95.4	92.3	87.0	85.9	90.1	94.5	89.8	90.2	88.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.8	98.4	88.2	87.6	91.6	93.3	94.1	95.8	98.4	95.6	95.0	95.4	95.6	92.1	92.5

CQS: 93.0



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
3469 K	93.9	72.5	91.7	98.9	93.0	0.408	0.395	0.236	0.342	0.0010

NANOSquare NCO 35°

NSQ95-NCO

TM-30 Details

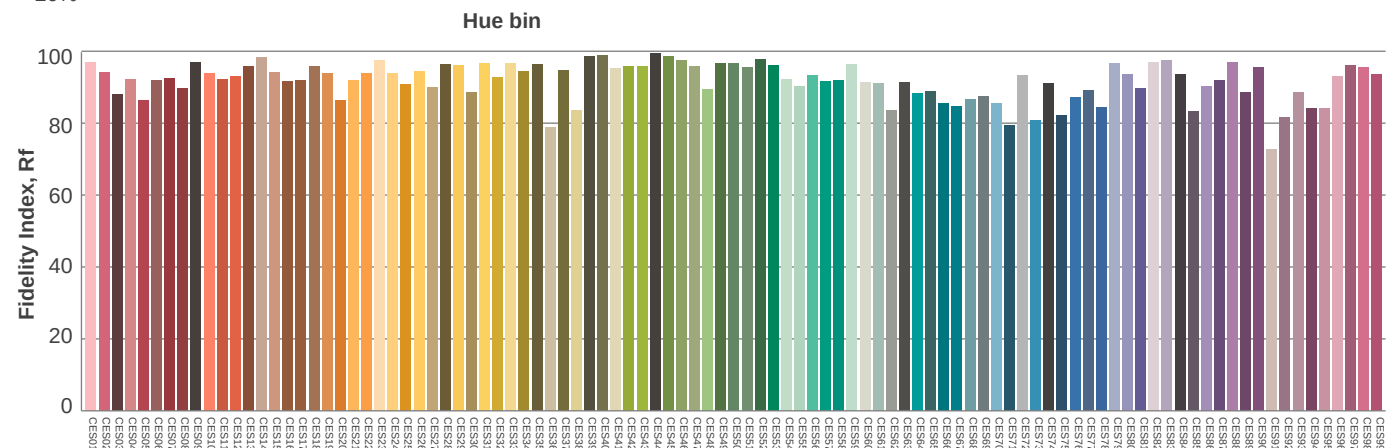
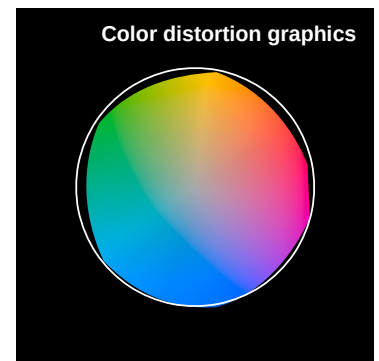
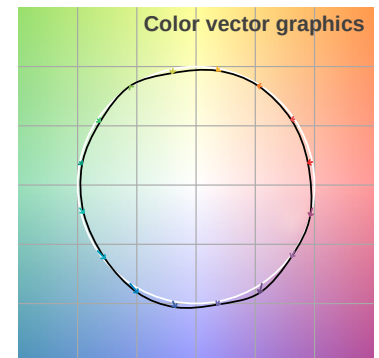
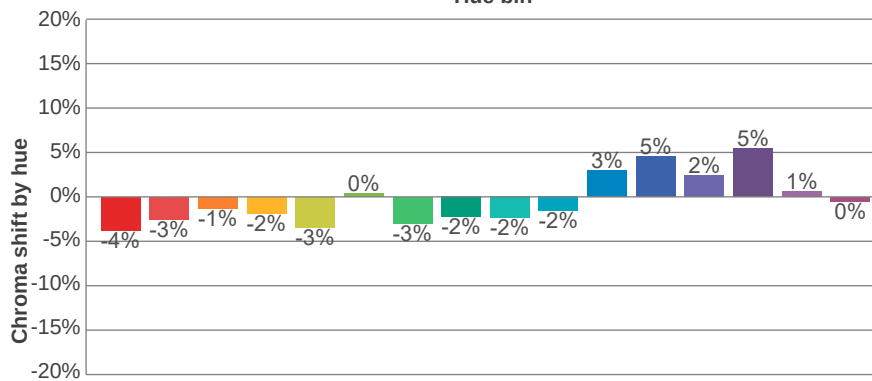
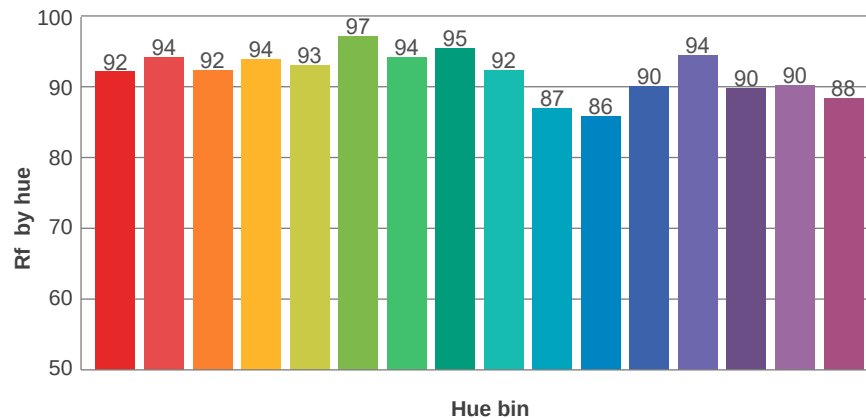
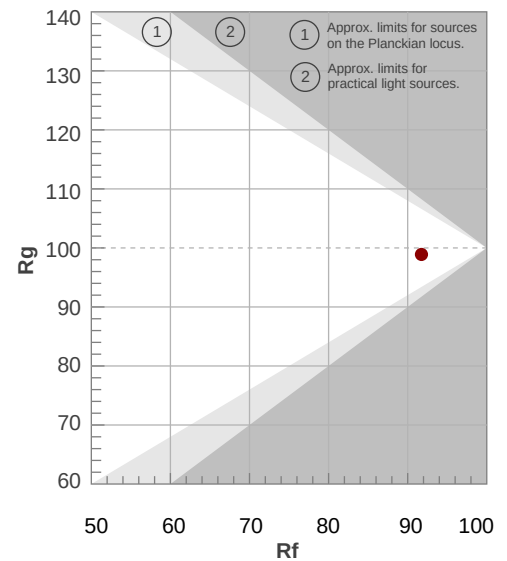
Rf 91.7

Fidelity index Rf

Rg 98.9

Gamut index Rg

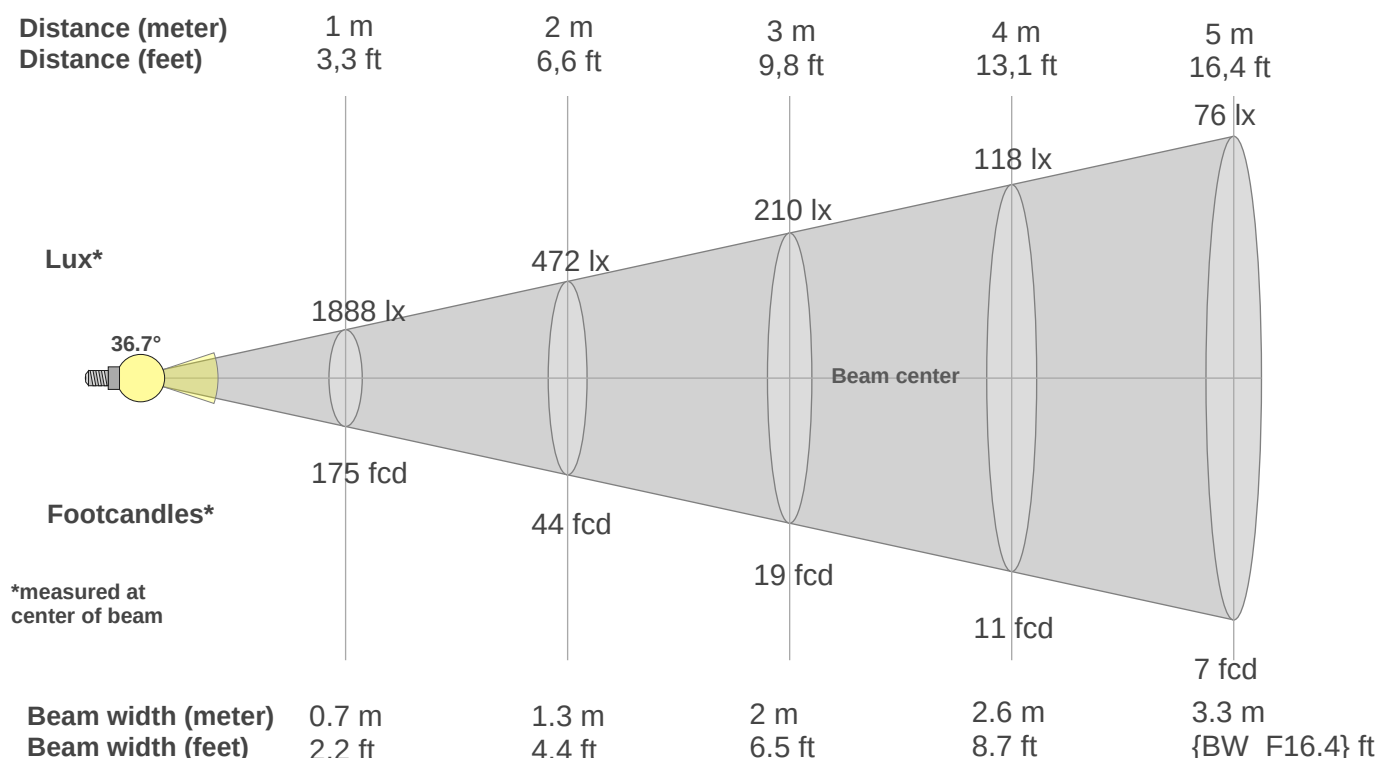
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	94	-3%	1%
3	92	-1%	3%
4	94	-2%	1%
5	93	-3%	1%
6	97	0%	0%
7	94	-3%	0%
8	95	-2%	2%
9	92	-2%	5%
10	87	-2%	9%
11	86	3%	9%
12	90	5%	3%
13	94	2%	-2%
14	90	5%	-6%
15	90	1%	-6%
16	88	0%	-7%



NANOSquare NCO 35°

NSQ95-NCO

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
1888lx	472lx	210lx	118lx	76lx	52lx	39lx	29lx	23lx	19lx	16lx	13lx	11lx	10lx	8lx	7lx	7lx	6lx	5lx	5lx
175.4fcd	43.8fcd	19.5fcd	11fcd	7fcd	4.9fcd	3.6fcd	2.7fcd	2.2fcd	1.8fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

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°
1888	1857	1800	1709	1592	1457	1310	1167	1032	906	790	680	576	476	383	301	234	183	144	113
100%	98%	95%	91%	84%	77%	69%	62%	55%	48%	42%	36%	30%	25%	20%	16%	12%	10%	8%	6%

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°
1888	1876	1823	1740	1635	1512	1378	1242	1112	990	877	774	681	597	517	440	366	299	242	194
100%	99%	97%	92%	87%	80%	73%	66%	59%	52%	46%	41%	36%	32%	27%	23%	19%	16%	13%	10%

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°
1888	1857	1800	1709	1592	1457	1310	1167	1032	906	790	680	576	476	383	301	234	183	144	113
100%	98%	95%	91%	84%	77%	69%	62%	55%	48%	42%	36%	30%	25%	20%	16%	12%	10%	8%	6%

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°
1888	1876	1823	1740	1635	1512	1378	1242	1112	990	877	774	681	597	517	440	366	299	242	194
100%	99%	97%	92%	87%	80%	73%	66%	59%	52%	46%	41%	36%	32%	27%	23%	19%	16%	13%	10%

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	13.6	14.2	13.7	14.4	14.6	15.9	16.5	16.0	16.8	17.0
	3H	13.4	14.2	13.8	14.4	14.6	15.7	16.4	16.1	16.6	16.8
	4H	13.5	14.2	13.9	14.4	14.7	15.7	16.4	16.1	16.6	16.9
	6H	13.7	14.3	14.0	14.6	15.0	15.8	16.4	16.1	16.7	17.1
	8H	13.8	14.4	14.1	14.7	15.1	15.9	16.4	16.2	16.8	17.1
	12H	14.0	14.5	14.3	14.9	15.3	15.9	16.5	16.3	16.9	17.3
4H	2H	13.3	14.0	13.7	14.3	14.5	15.6	16.3	16.0	16.6	16.8
	3H	13.4	14.0	13.8	14.4	14.8	15.6	16.2	16.0	16.5	16.9
	4H	13.5	14.0	13.9	14.5	15.0	15.6	16.1	16.0	16.5	17.0
	6H	13.8	14.4	14.3	14.7	15.0	15.7	16.3	16.2	16.6	17.0
	8H	14.0	14.5	14.5	14.9	15.2	15.8	16.3	16.3	16.7	17.0
	12H	14.3	14.7	14.8	15.1	15.6	16.0	16.4	16.5	16.8	17.3
8H	4H	13.5	14.0	14.0	14.4	14.7	15.5	16.0	16.0	16.4	16.7
	6H	14.0	14.3	14.5	14.8	15.3	15.8	16.1	16.3	16.6	17.1
	8H	14.4	14.6	14.9	15.2	15.8	16.0	16.3	16.5	16.8	17.4
	12H	14.8	15.1	15.4	15.6	16.2	16.3	16.6	16.9	17.1	17.7
12H	4H	13.5	13.9	14.0	14.3	14.8	15.5	15.9	16.0	16.3	16.8
	6H	14.1	14.3	14.6	14.9	15.5	15.8	16.1	16.3	16.6	17.2
	8H	14.5	14.7	15.1	15.2	15.8	16.1	16.3	16.7	16.8	17.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		2.0 / -1.6					2.7 / -2.4				
S = 1.5H		3.8 / -2.0					4.8 / -3.2				
S = 2.0H		5.4 / -2.3					6.7 / -3.5				
CIE 117-1995. Corrected glare indices referring to 1001 lm total luminous flux											