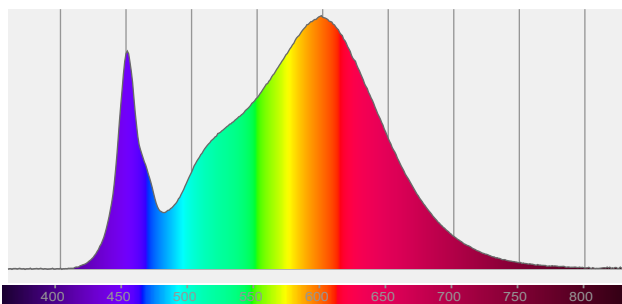
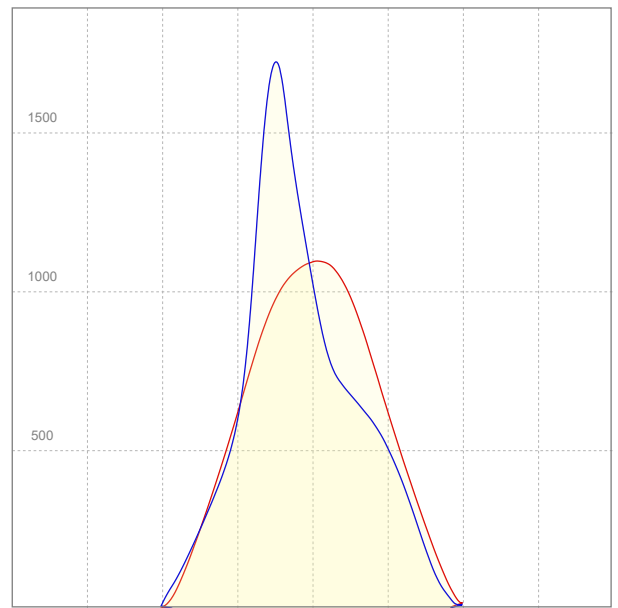
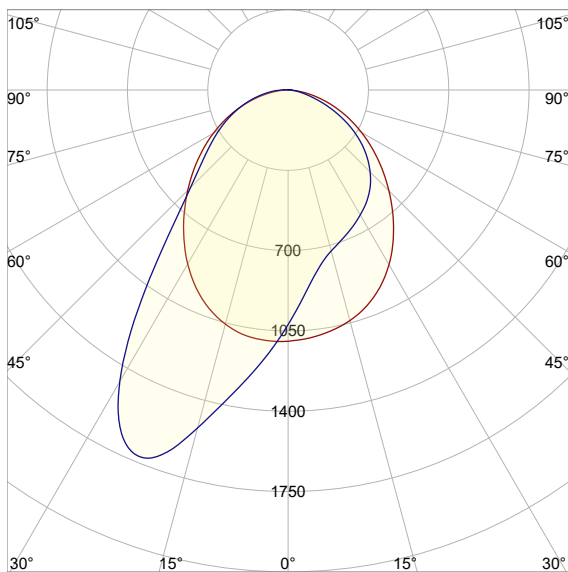


NANOSquare Asymmetric 50° at 25°

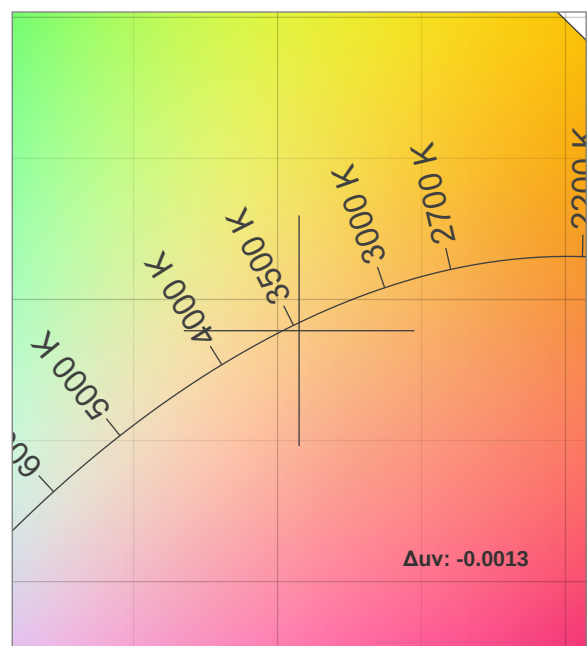
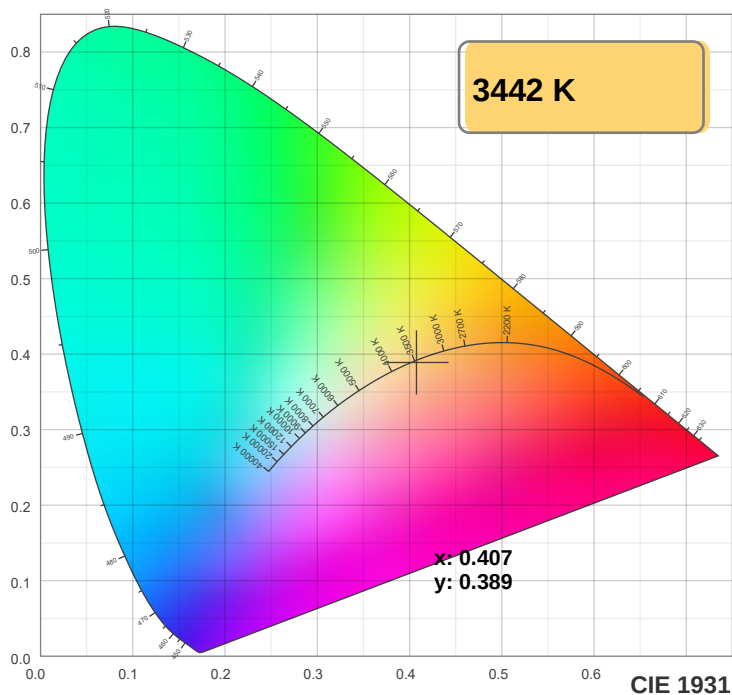
NSQ95

Light efficiency:**130 Lumen/Watt****Output: 2994 lm****Light quality:****CRI: 82.2****Peak: 1721 cd****Color temperature:****3442 K****Power: 23.1 W****PF: 1.0**

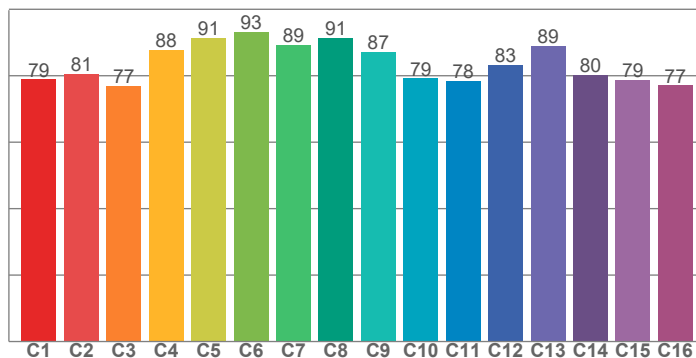
No photo

**Product name:****NANOSquare Asymmetric 50° at 25°****Item number:****NSQ95****Configuration:****NSQ95-4FT-3580-WT-DA5025-750LPF****Date and time:****8/2/2021 12:36:27 PM****Description:****Power Supply @ 620mA**

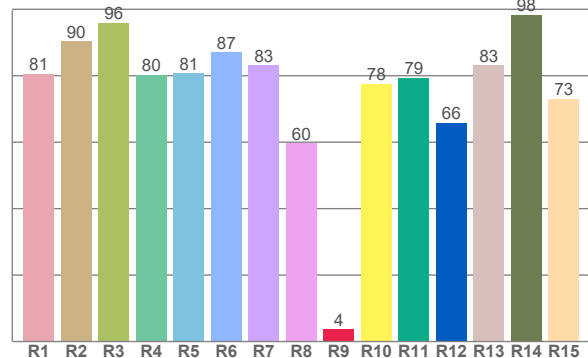
Color Details



TM-30: 83.7



CRI: 82.2 (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
80.6	90.4	96.0	80.3	80.8	87.1	83.1	59.7	3.7	77.6	79.4	65.8	83.1	98.4	73.1

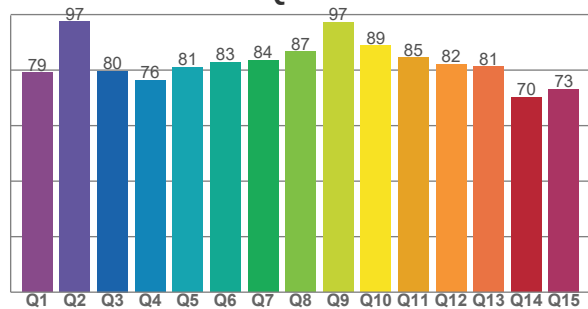
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.9	80.5	76.9	87.9	91.4	93.3	89.4	91.3	87.2	79.2	78.4	83.3	89.0	80.3	78.7	77.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.0	97.4	79.7	76.3	81.0	82.8	83.5	86.6	97.2	88.8	84.6	82.1	81.3	70.2	73.3

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
3442 K	82.2	3.7	83.7	95.4	81.4	0.407	0.389	0.238	0.341	-0.0013

TM-30 Details

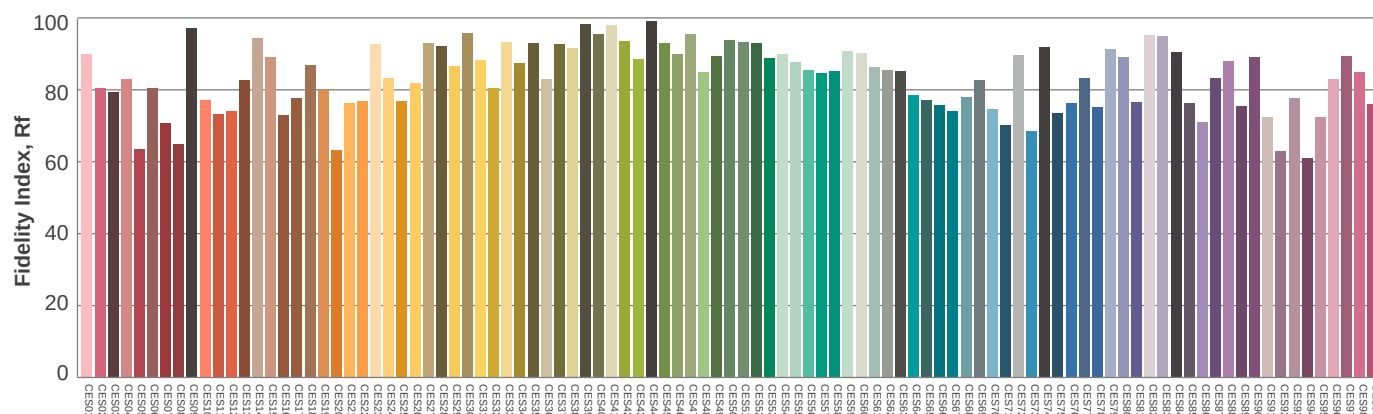
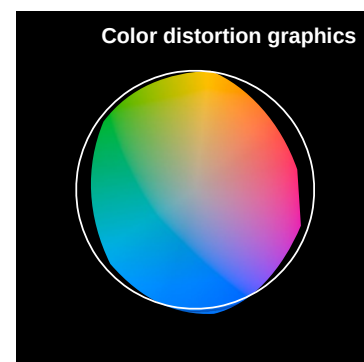
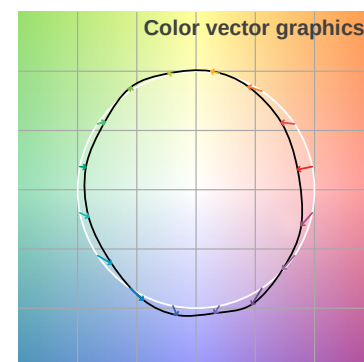
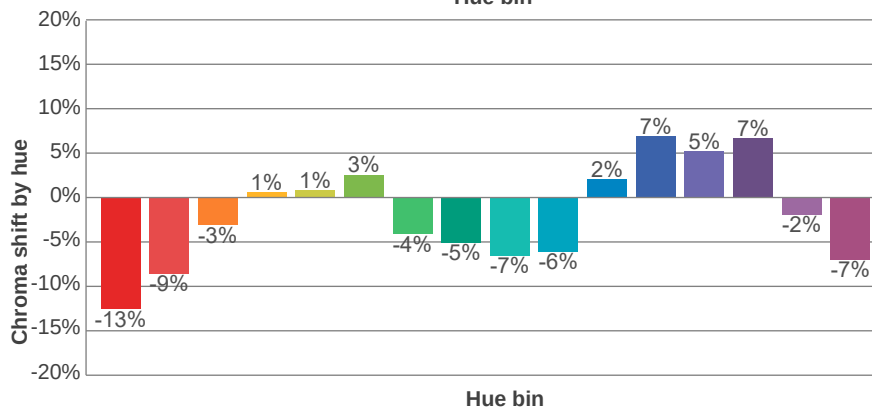
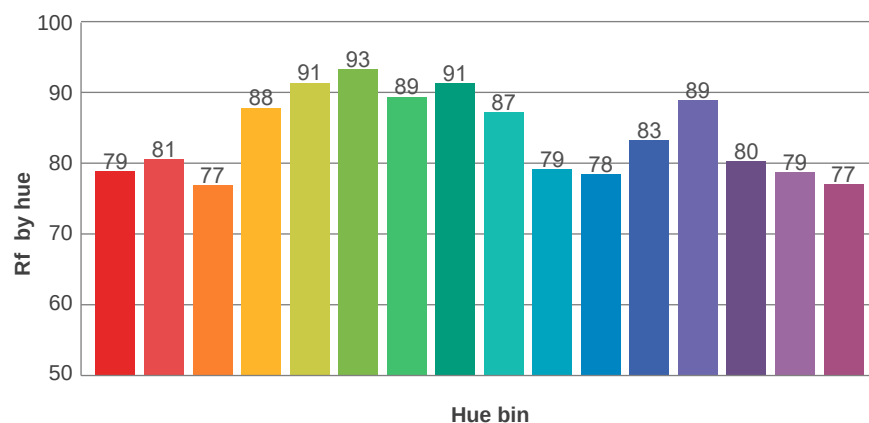
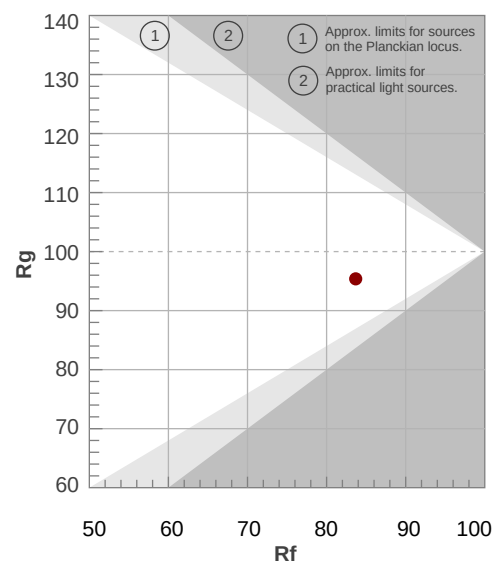
Rf 83.7

Fidelity index Rf

Rg 95.4

Gamut index Rg

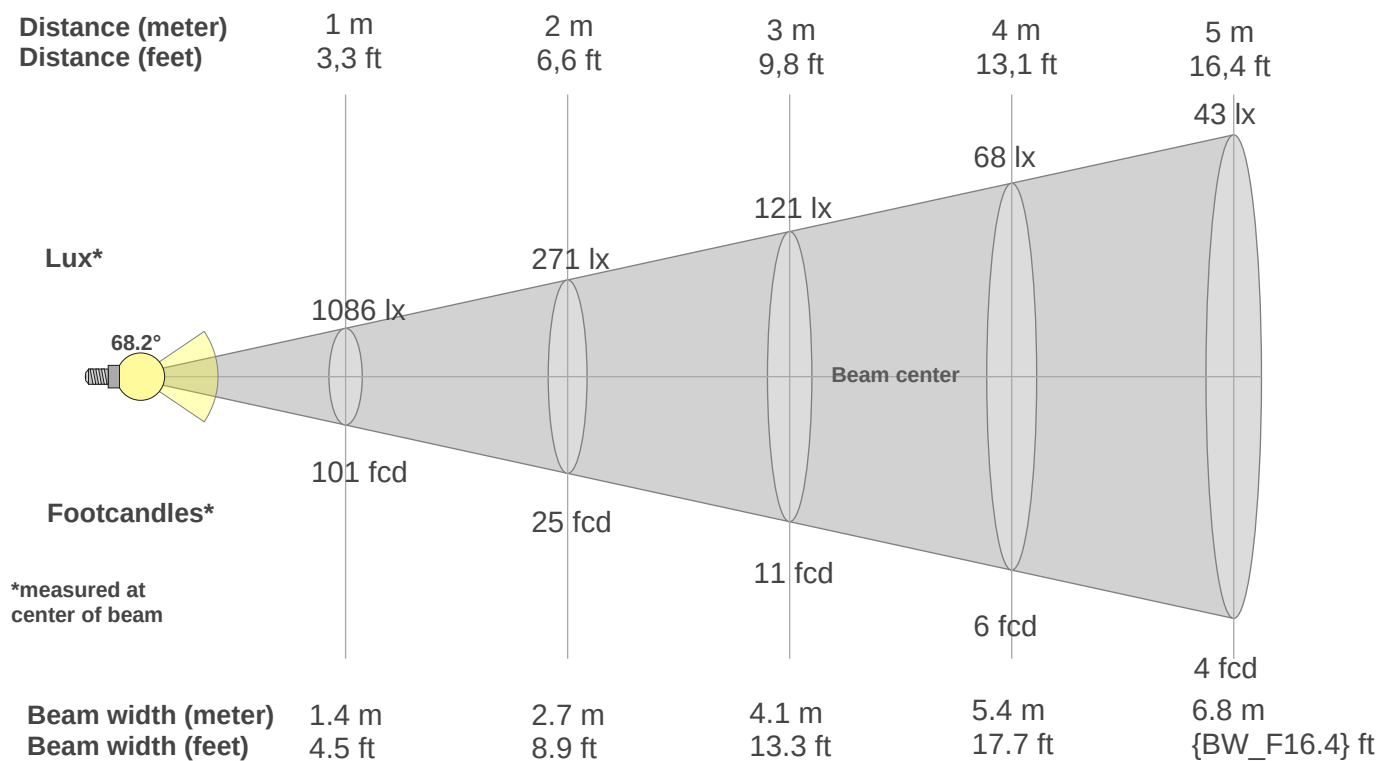
Hue Bin	R_f	Shifts (%)	
		Chroma	Hue
1	79	-13%	0%
2	81	-9%	7%
3	77	-3%	12%
4	88	1%	7%
5	91	1%	4%
6	93	3%	-2%
7	89	-4%	-5%
8	91	-5%	0%
9	87	-7%	5%
10	79	-6%	12%
11	78	2%	14%
12	83	7%	5%
13	89	5%	-5%
14	80	7%	-15%
15	79	-2%	-15%
16	77	-7%	-12%



NANOSquare Asymmetric 50° at 25°

NSQ95

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
1086lx	271lx	121lx	68lx	43lx	30lx	22lx	17lx	13lx	11lx	9lx	8lx	6lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx
100.9fcd	25.2fcd	11.2fcd	6.3fcd	4fcd	2.8fcd	2.1fcd	1.6fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.3fcd

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°
1086	1084	1066	1040	1001	947	878	798	710	621	534	450	369	291	216	146	83	34	9	0
100%	100%	98%	96%	92%	87%	81%	73%	65%	57%	49%	41%	34%	27%	20%	13%	8%	3%	1%	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°
1086	886	785	726	691	660	628	595	555	505	446	379	305	226	152	91	49	19	0	0
100%	82%	72%	67%	64%	61%	58%	55%	51%	47%	41%	35%	28%	21%	14%	8%	5%	2%	0%	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°
1086	1095	1084	1056	1010	949	875	791	704	618	535	453	375	298	225	155	93	43	0	0
100%	101%	100%	97%	93%	87%	81%	73%	65%	57%	49%	42%	35%	27%	21%	14%	9%	4%	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°
1086	1174	1334	1525	1698	1683	1463	1112	795	603	491	412	345	283	224	167	114	69	21	0
100%	108%	123%	140%	156%	155%	135%	102%	73%	56%	45%	38%	32%	26%	21%	15%	11%	6%	2%	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				
n/a n/a n/a n/a n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a n/a n/a n/a n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a n/a n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Variation of the observer position for the luminaire distance S										
n/a	n/a					n/a				
n/a	n/a					n/a				
n/a	n/a					n/a				
CIE 117-1995. Corrected glare indices referring to 2994 lm total luminous flux										