NANOSquare Graze 40° at 5° NSQ95

Light efficiency:

124 Lumen/Watt

Light quality:

CRI: 82.0

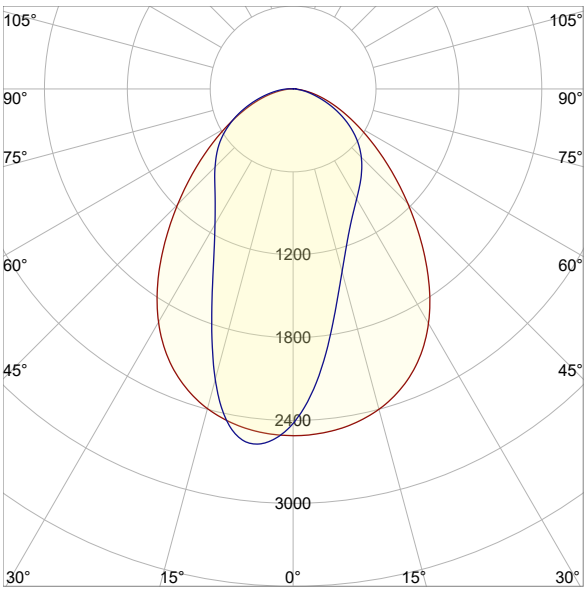
Color temperature:

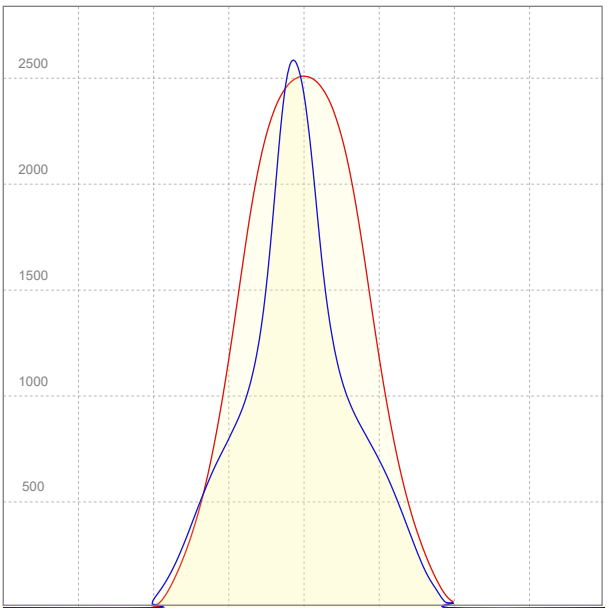
3440 K

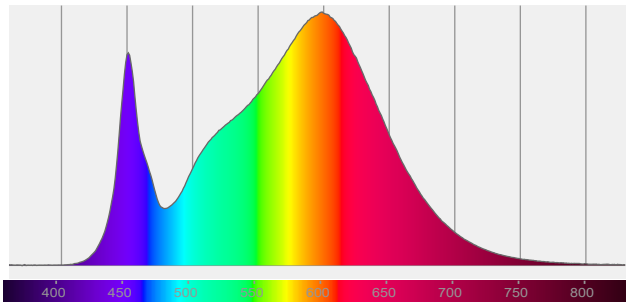
Output: 3992 lm
Peak: 2581 cd

Power: 32.1 W
PF: 1.0

No photo



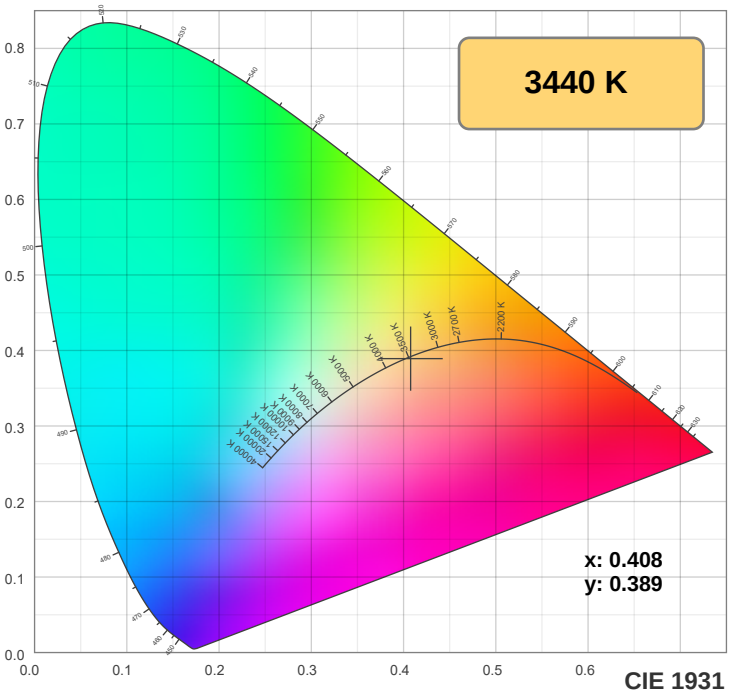


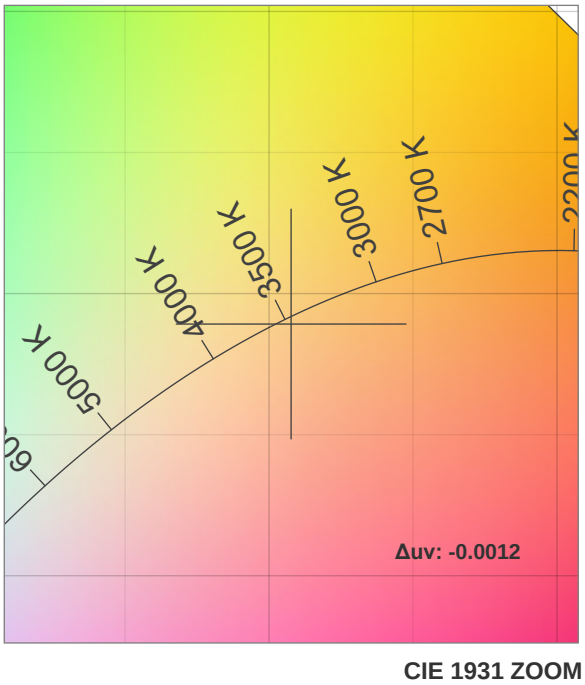


Product name:
NANOSquare Graze 40° at 5°
Item number:
NSQ95
Configuration:
NSQ95-4FT-3580-AL-DG4005-1000LPF
Date and time:
8/2/2021 1:19:31 PM
Description:
Power Supply @ 850mA

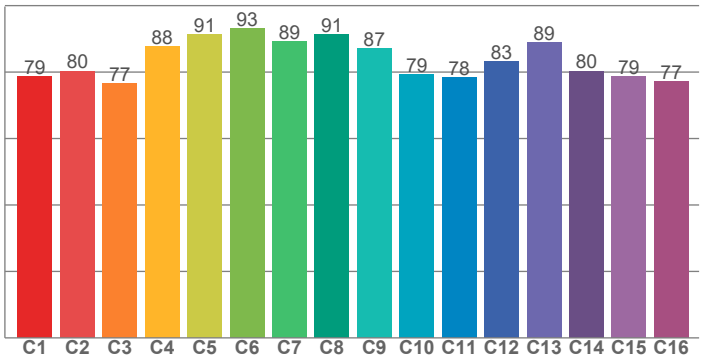
NANOSquare Graze 40° at 5° NSQ95

Color Details

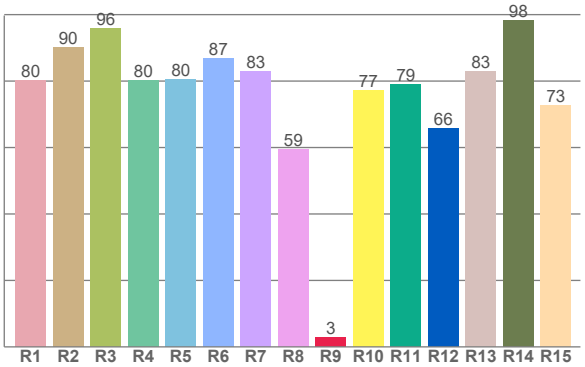




TM-30: 83.6



CRI: 82.0 (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
80.3	90.2	96.0	80.1	80.5	86.8	83.0	59.4	2.9	77.1	79.0	65.9	82.8	98.3	72.8

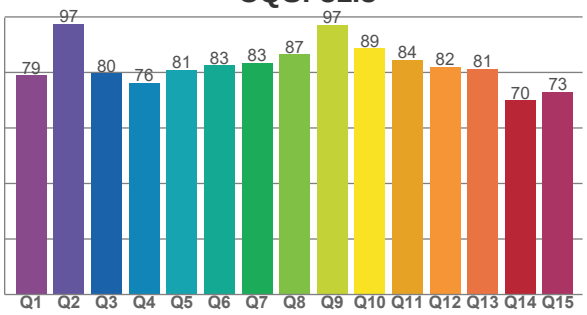
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.7	80.4	76.7	87.7	91.4	93.2	89.3	91.2	87.2	79.2	78.4	83.3	89.0	80.3	78.6	77.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.9	97.4	79.6	76.2	80.9	82.5	83.3	86.5	97.2	88.7	84.4	81.9	81.2	69.9	73.0

CQS: 81.3



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3440 K	82.0	2.9	83.6	95.3	81.3	0.408	0.389	0.238	0.341	-0.0012

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TM-30 Details

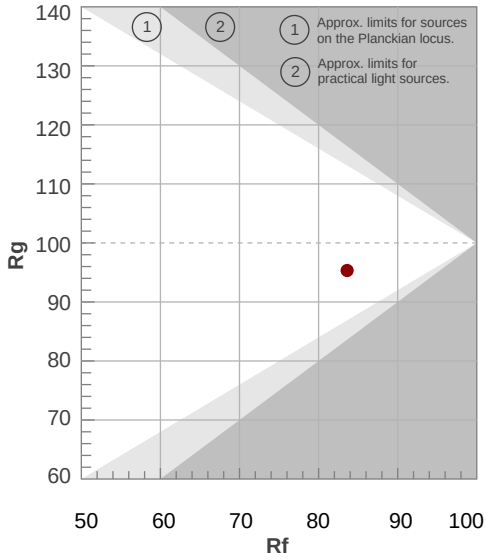
Rf 83.6

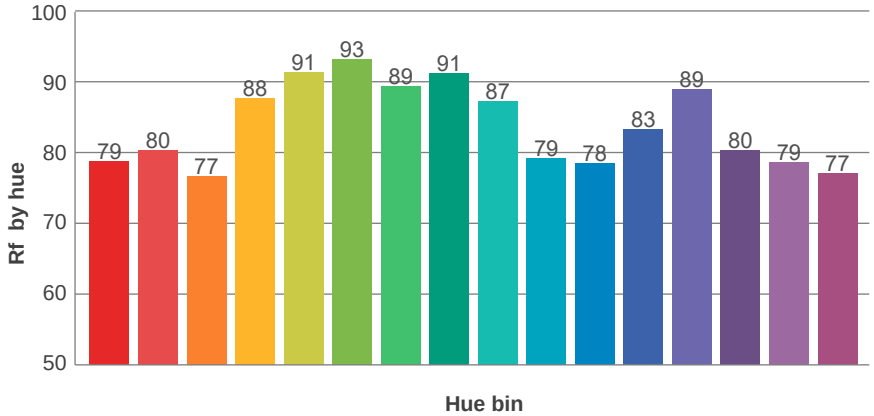
Fidelity index Rf

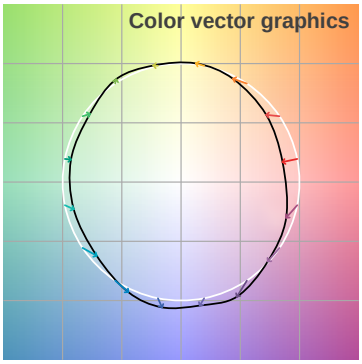
Rg 95.3

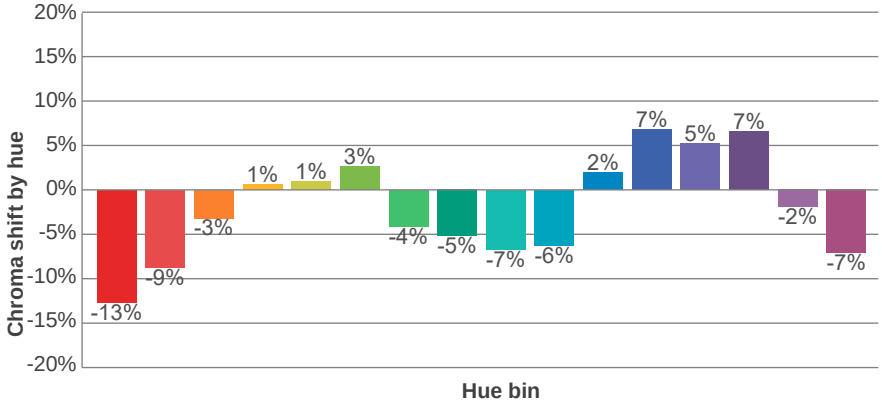
Gamut index Rg

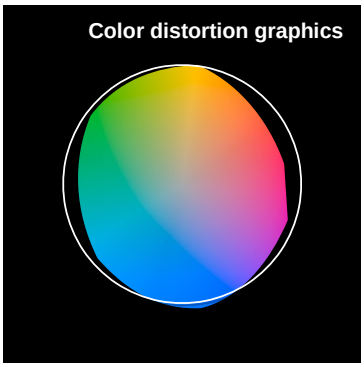
Hue Bin	R_f	Shifts (%) Chroma	Shifts (%) Hue
1	79	-13%	0%
2	80	-9%	7%
3	77	-3%	12%
4	88	1%	7%
5	91	1%	4%
6	93	3%	-3%
7	89	-4%	-5%
8	91	-5%	-1%
9	87	-7%	5%
10	79	-6%	12%
11	78	2%	14%
12	83	7%	5%
13	89	5%	-5%
14	80	7%	-15%
15	79	-2%	-15%
16	77	-7%	-12%

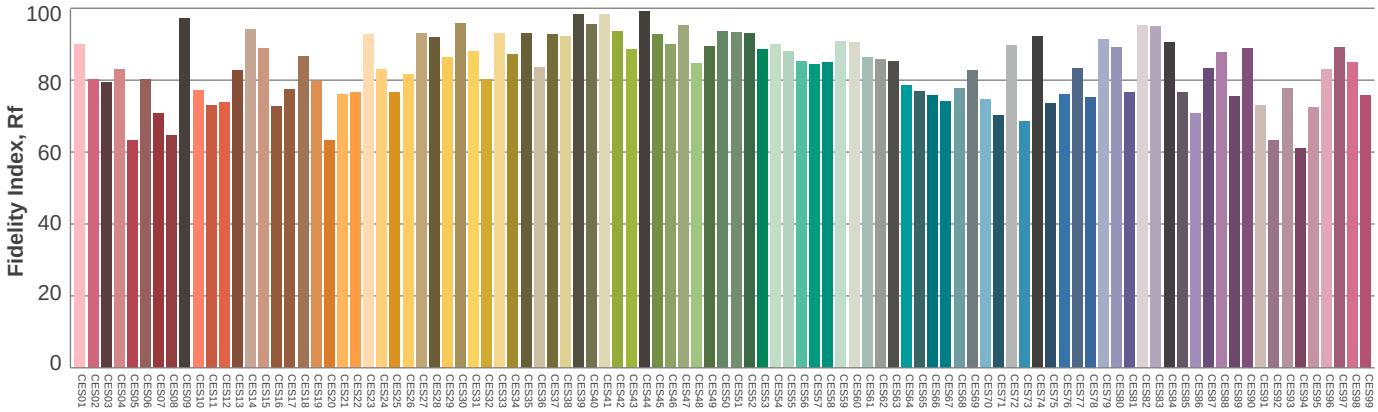












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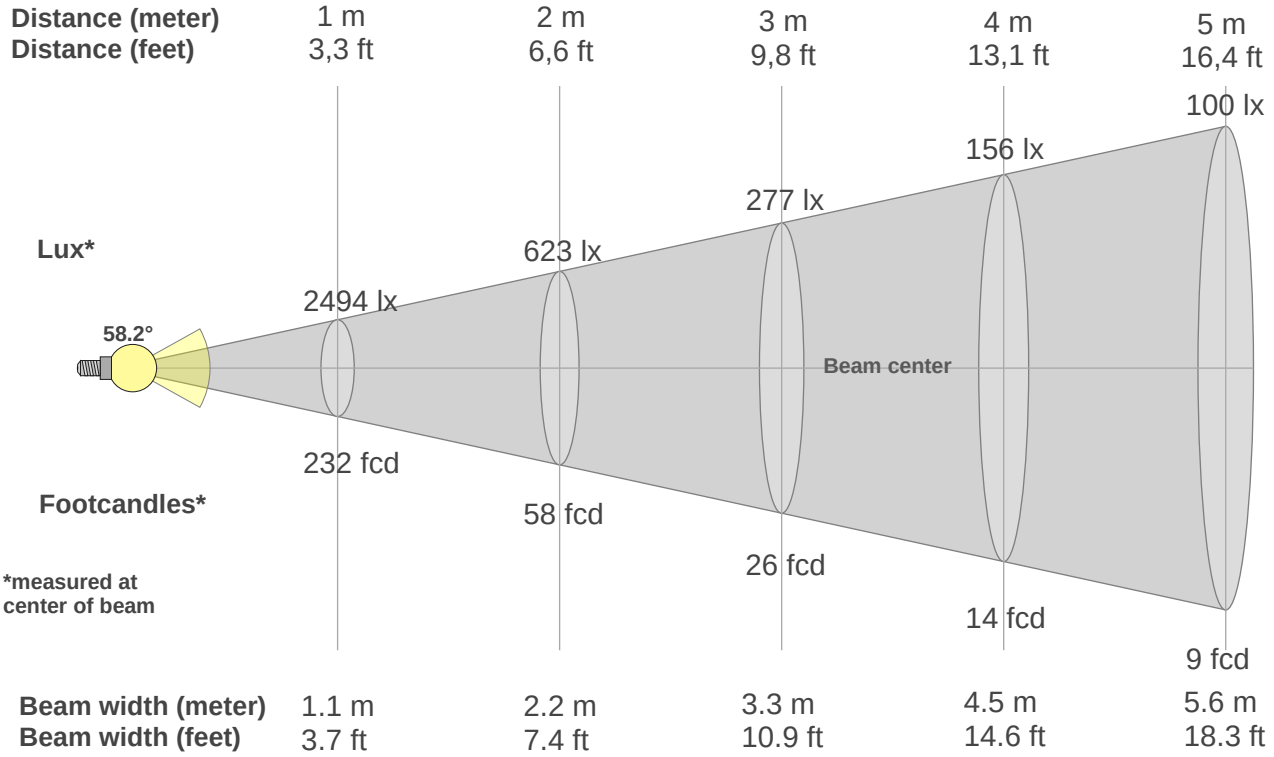
Beam details



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
2494lx	623lx	277lx	156lx	100lx	69lx	51lx	39lx	31lx	25lx	21lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
231.7fc	57.9fcd	25.7fcd	14.5fcd	9.3fcd	6.4fcd	4.7fcd	3.6fcd	2.9fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

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°
2494	2498	2463	2399	2299	2154	1958	1713	1441	1176	934	724	548	403	283	183	100	38	11	0
100%	100%	99%	96%	92%	86%	79%	69%	58%	47%	37%	29%	22%	16%	11%	7%	4%	2%	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°
2494	2094	1693	1371	1156	1016	920	843	771	697	616	523	422	318	220	138	76	27	0	0
100%	84%	68%	55%	46%	41%	37%	34%	31%	28%	25%	21%	17%	13%	9%	6%	3%	1%	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°
2494	2497	2461	2394	2290	2143	1947	1706	1441	1181	947	742	569	426	307	207	123	59	0	0
100%	100%	99%	96%	92%	86%	78%	68%	58%	47%	38%	30%	23%	17%	12%	8%	5%	2%	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°
2494	2573	2507	2174	1723	1362	1132	984	882	798	720	637	543	443	340	244	162	96	39	0
100%	103%	101%	87%	69%	55%	45%	39%	35%	32%	29%	26%	22%	18%	14%	10%	7%	4%	2%	0%

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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 3992 lm total luminous flux										

UGR data could not be calculated due to missing/wrong symmetry. Goto Edit->Photometric->Corrections and select Correct asymmetry.