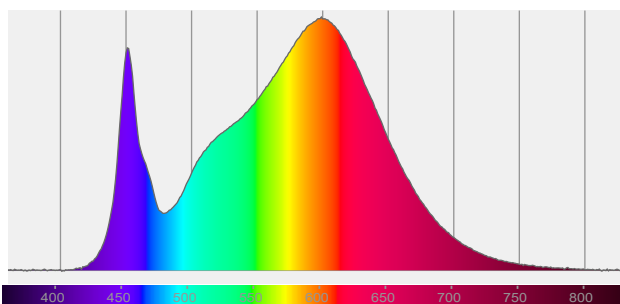
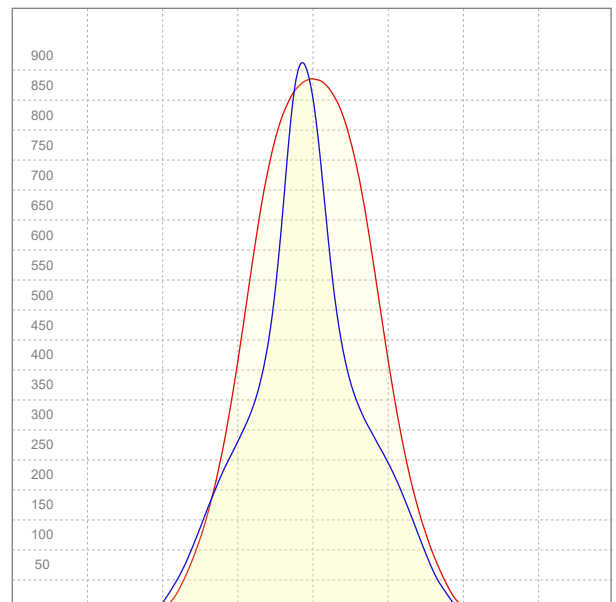
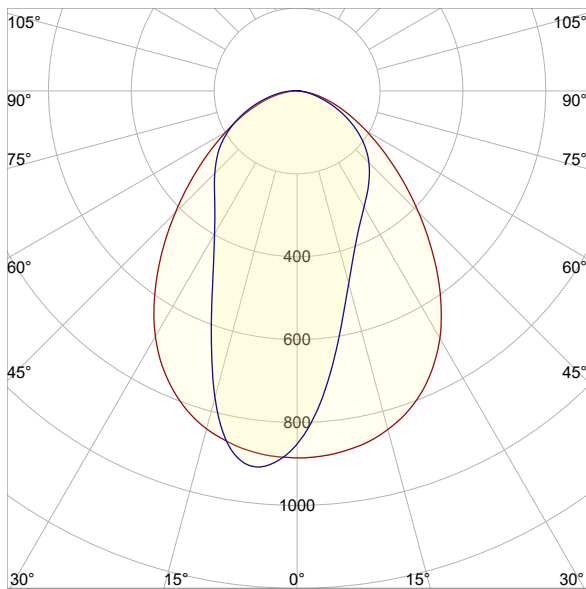


NANOSquare Graze 40° at 5°

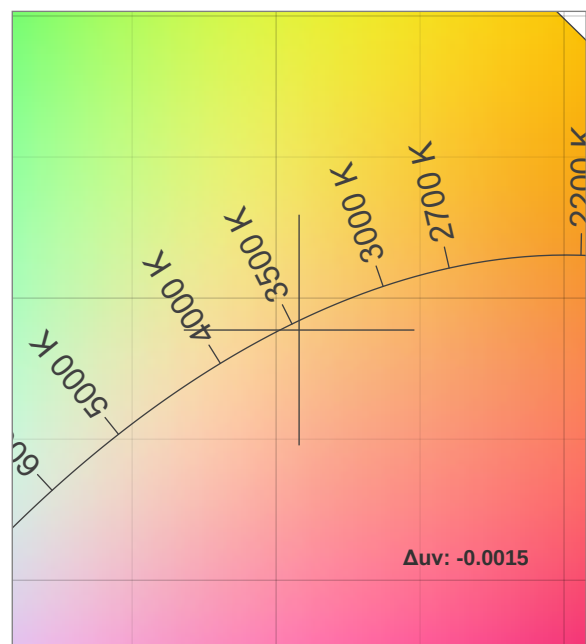
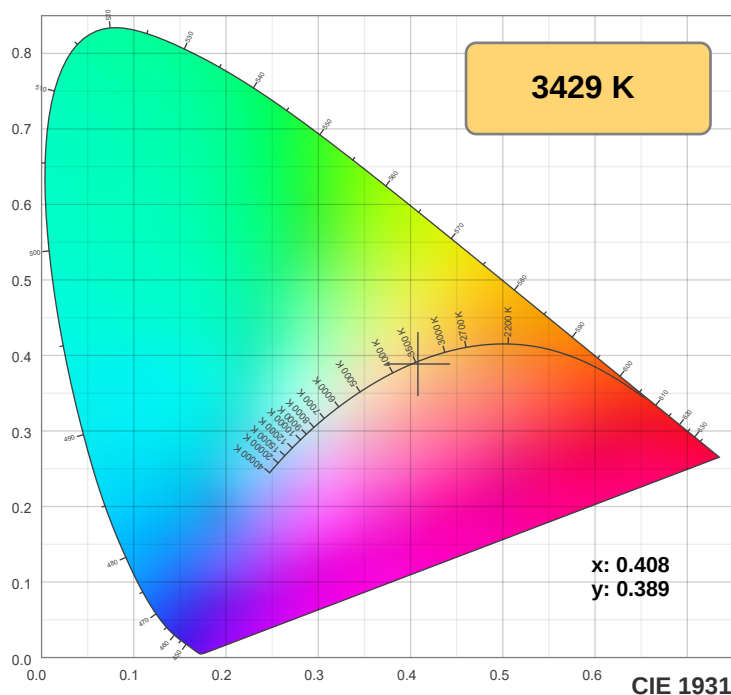
NSQ95

Light efficiency:**131 Lumen/Watt****Light quality:****CRI: 82.5****Color temperature:****3429 K****Output: 1403 lm****Peak: 912 cd****Power: 10.7 W****PF: 1.0**

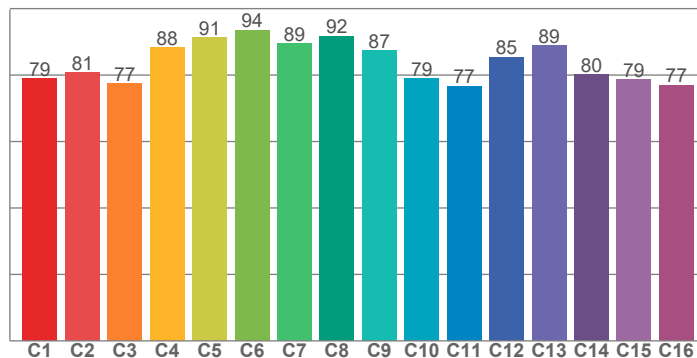
No photo

**Product name:****NANOSquare Graze 40° at 5°****Item number:****NSQ95****Configuration:****NSQ95-4FT-3580-AL-DG4005-350LPF****Date and time:****8/2/2021 12:57:41 PM****Description:****Power Supply @ 300mA**

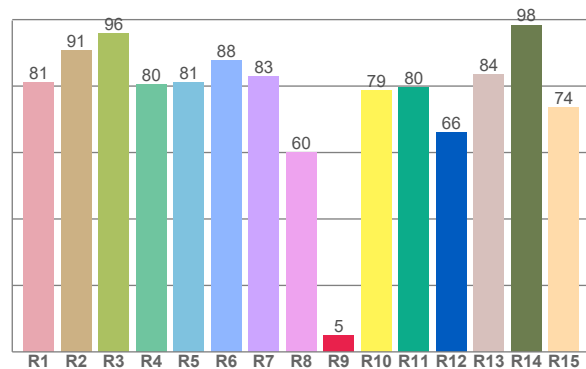
Color Details



TM-30: 83.8



CRI: 82.5 (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
81.0	90.9	95.9	80.5	81.2	87.7	83.0	59.9	4.9	78.7	79.7	66.1	83.6	98.4	73.6

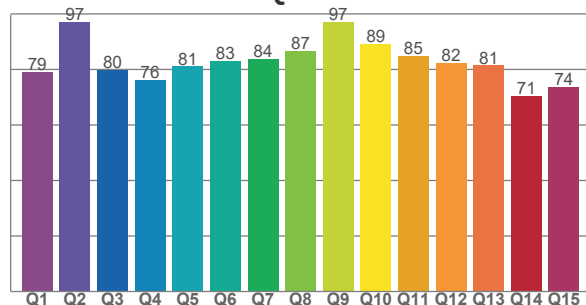
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.0	80.8	77.4	88.3	91.4	93.5	89.4	91.8	87.4	79.1	76.7	85.4	88.9	80.1	78.7	77.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.2	97.2	79.9	76.4	81.1	83.0	83.7	86.6	97.1	89.1	84.8	82.2	81.4	70.6	73.5

CQS: 81.6



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
3429 K	82.5	4.9	83.8	95.7	81.6	0.408	0.389	0.238	0.341	-0.0015

NANOSquare Graze 40° at 5°

NSQ95

TM-30 Details

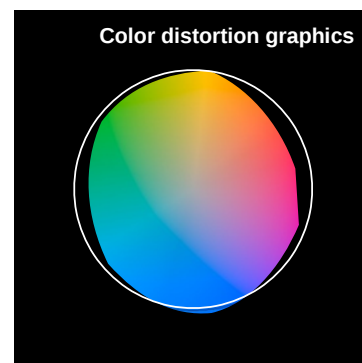
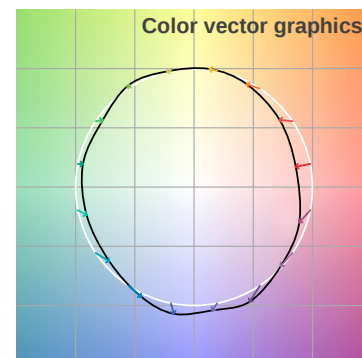
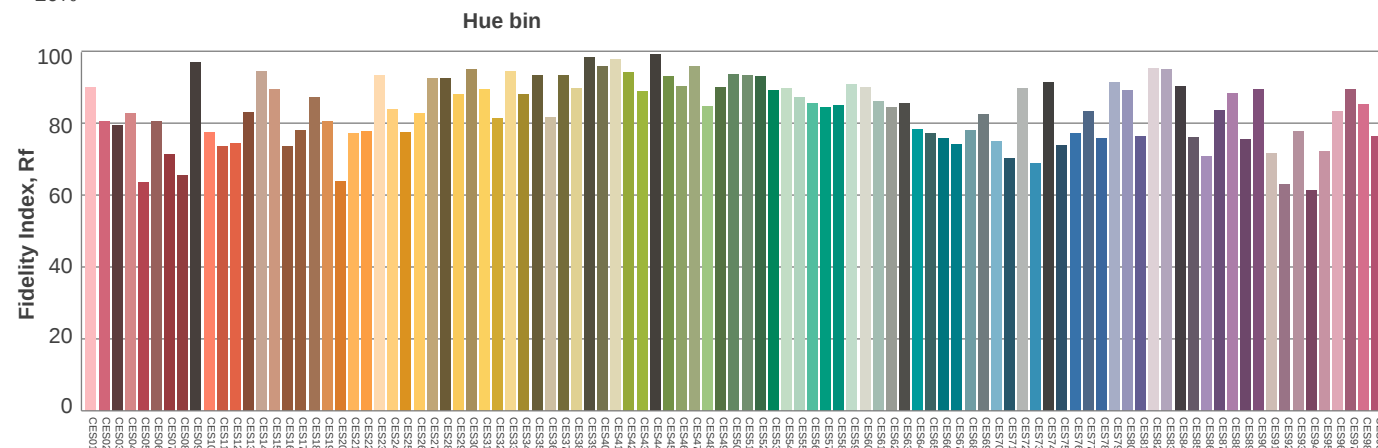
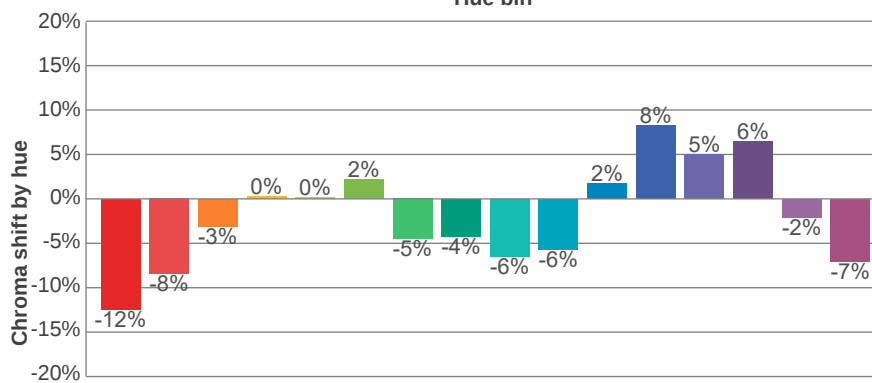
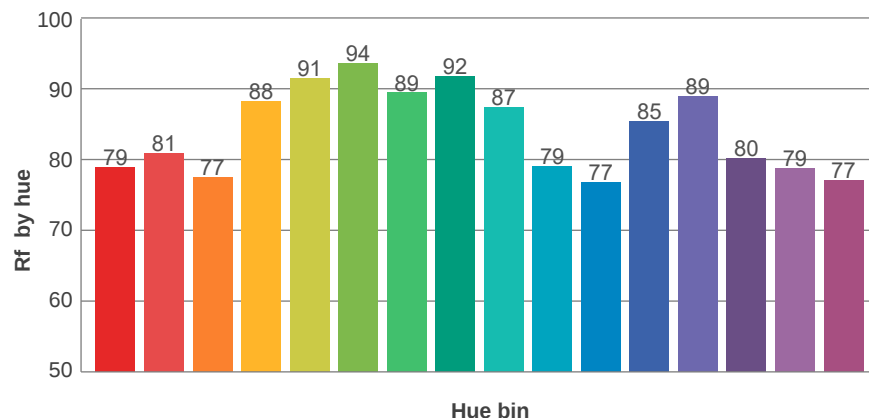
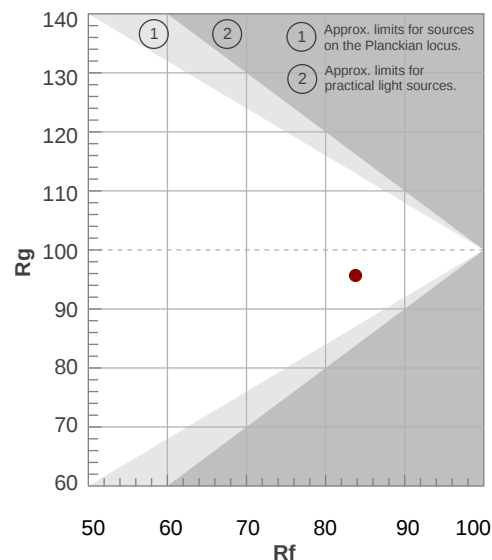
Rf 83.8

Fidelity index Rf

Rg 95.7

Gamut index Rg

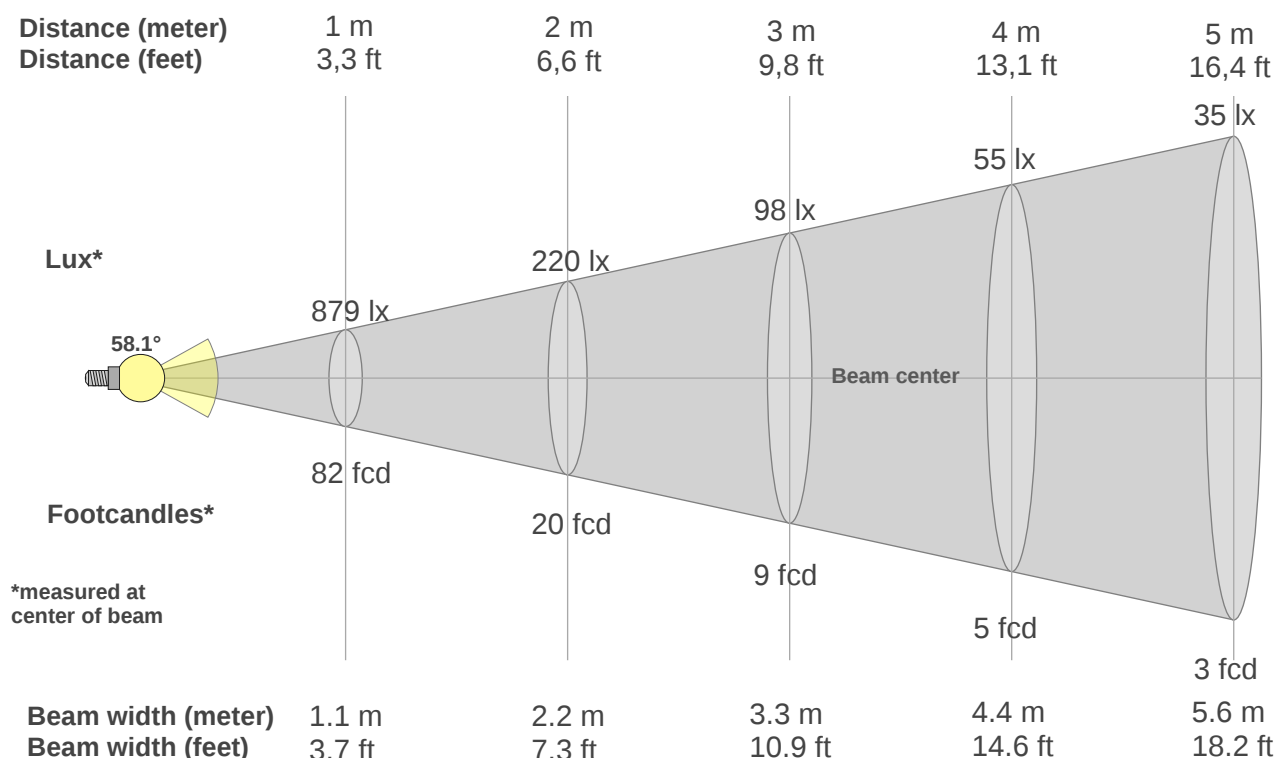
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	77	-3%	11%
4	88	0%	7%
5	91	0%	3%
6	94	2%	-2%
7	89	-5%	-4%
8	92	-4%	-1%
9	87	-6%	6%
10	79	-6%	12%
11	77	2%	14%
12	85	8%	4%
13	89	5%	-5%
14	80	6%	-15%
15	79	-2%	-15%
16	77	-7%	-12%



NANOSquare Graze 40° at 5°

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
879lx	220lx	98lx	55lx	35lx	24lx	18lx	14lx	11lx	9lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx	2lx
81.7fcd	20.4fcd	9.1fcd	5.1fcd	3.3fcd	2.3fcd	1.7fcd	1.3fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	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°
879	881	869	845	809	757	688	602	508	415	329	255	193	141	100	64	35	14	4	0
100%	100%	99%	96%	92%	86%	78%	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°
879	734	594	482	407	357	323	296	271	245	216	183	147	111	77	48	27	10	0	0
100%	83%	68%	55%	46%	41%	37%	34%	31%	28%	25%	21%	17%	13%	9%	5%	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°
879	881	868	844	806	752	683	599	507	416	333	260	199	149	107	72	43	19	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°
879	907	884	764	606	480	399	347	310	281	253	224	190	155	119	86	57	33	11	0
100%	103%	101%	87%	69%	55%	45%	39%	35%	32%	29%	25%	22%	18%	14%	10%	6%	4%	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				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	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 1403 lm total luminous flux										