MICROBeam Graze 30° at 10°

MBE140

Light efficiency:

129 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

3405 K

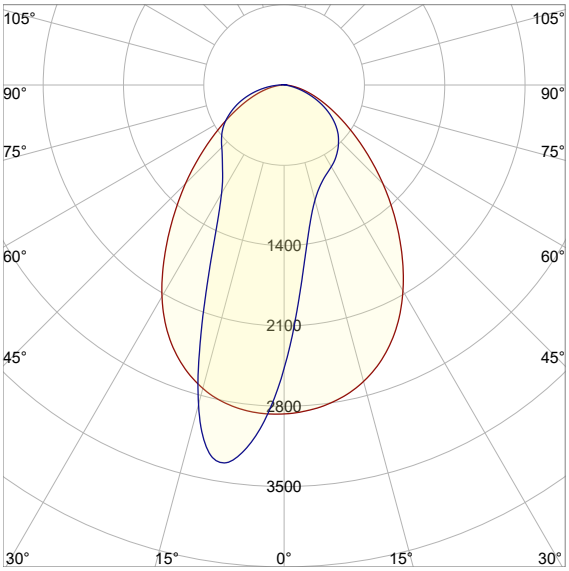
Output: 3973 lm

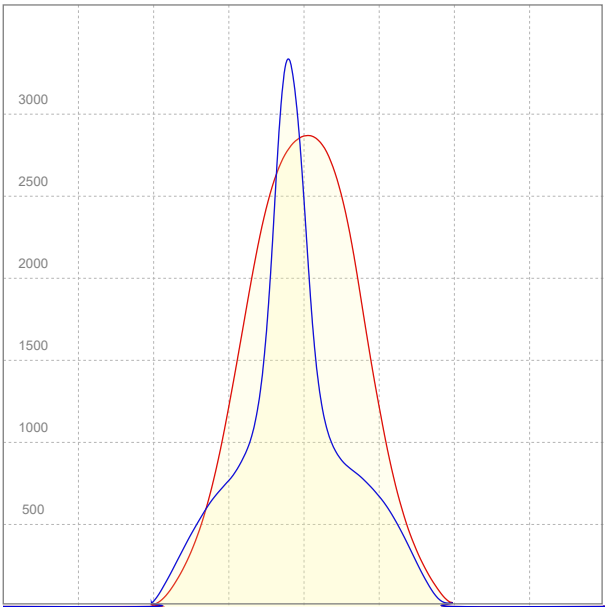
Peak: 3332 cd

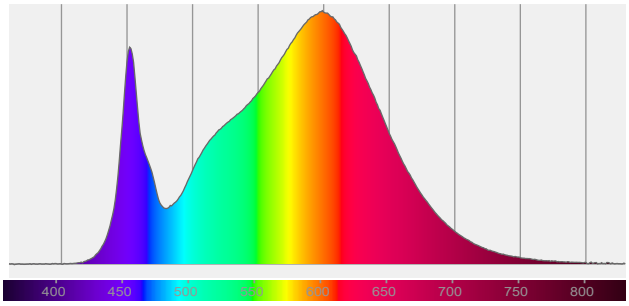
Power: 30.7 W

PF: 1.0

No photo







Product name:
MICROBeam Graze 30° at 10°
Item number:
MBE140
Configuration:
MBE140-4FT-3580-AL-DG3010-1000LPF
Date and time:
8/6/2021 4:29:47 PM
Description:
Power Supply @ 810mA, With Lenticular

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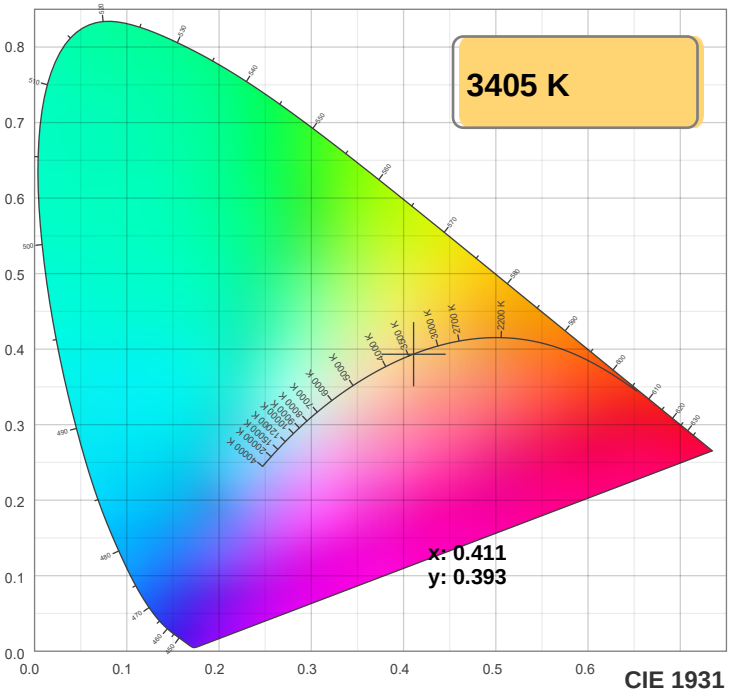
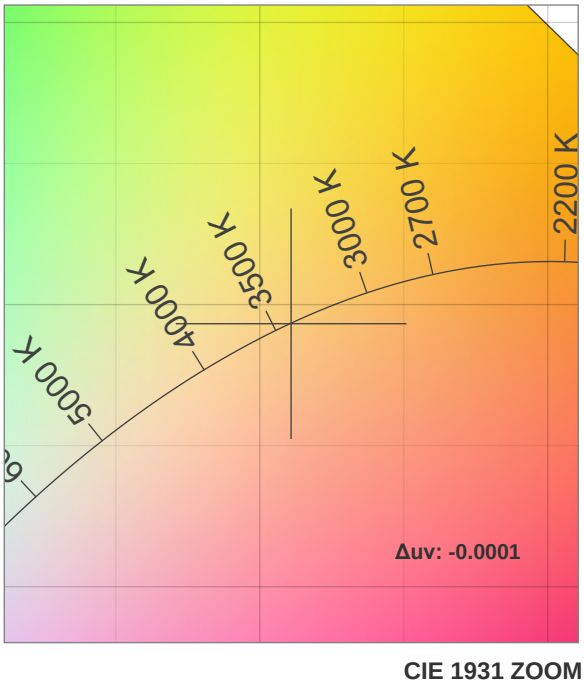
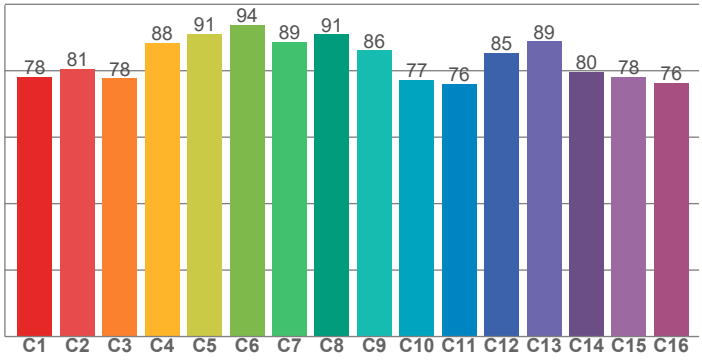
Color Details

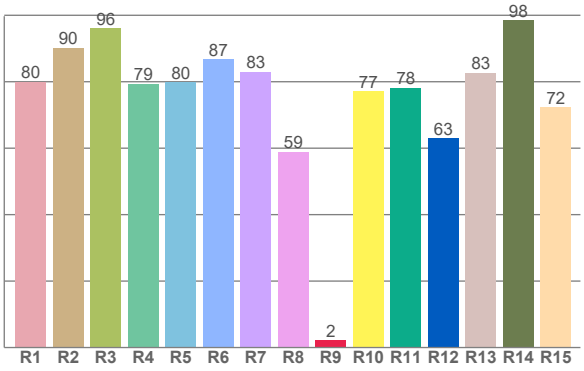




TM-30: 83.3



CRI: 81.8 (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
80.0	90.2	96.1	79.4	79.9	86.8	83.0	58.9	2.1	77.1	78.2	63.1	82.7	98.4	72.3

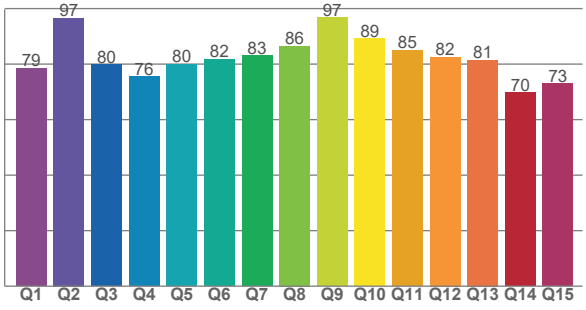
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.1	80.5	77.7	88.3	91.2	93.9	88.7	91.0	86.1	77.3	76.0	85.3	88.8	79.6	78.1	76.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.5	96.6	79.8	75.5	79.9	81.7	83.0	86.5	96.8	89.3	85.0	82.5	81.5	69.8	72.9

CQS: 81.1



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
3405 K	81.8	2.1	83.3	94.8	81.1	0.411	0.393	0.238	0.342	-0.0001

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TM-30 Details

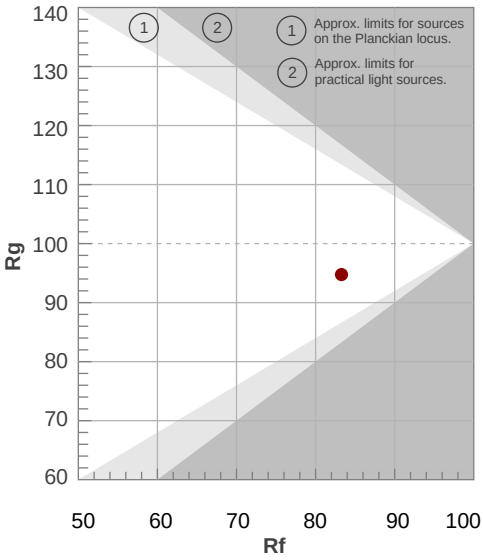
Rf 83.3

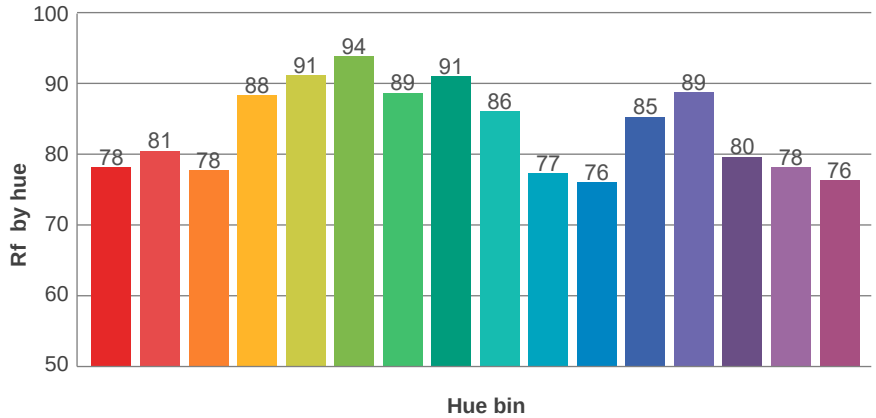
Fidelity index Rf

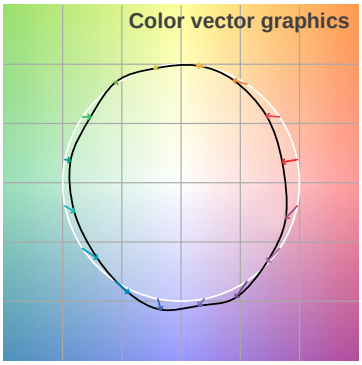
Rg 94.8

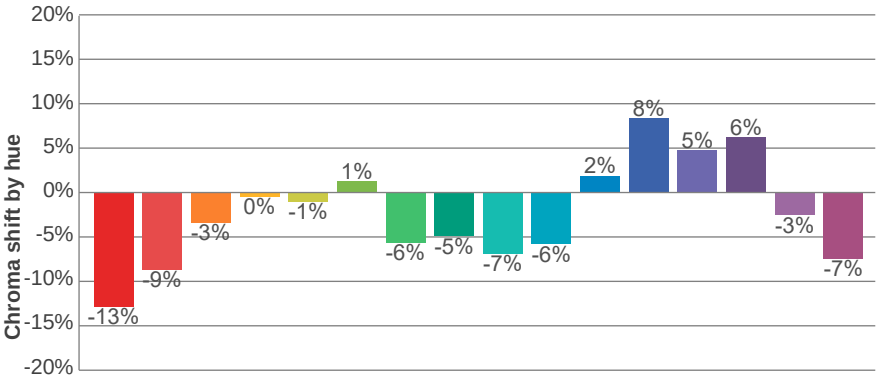
Gamut index Rg

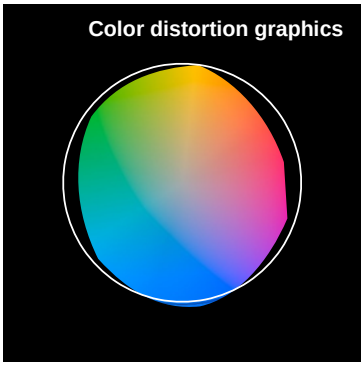
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	78	-13%	0%
2	81	-9%	7%
3	78	-3%	11%
4	88	0%	6%
5	91	-1%	3%
6	94	1%	-2%
7	89	-6%	-4%
8	91	-5%	0%
9	86	-7%	7%
10	77	-6%	14%
11	76	2%	15%
12	85	8%	4%
13	89	5%	-6%
14	80	6%	-15%
15	78	-3%	-15%
16	76	-7%	-12%

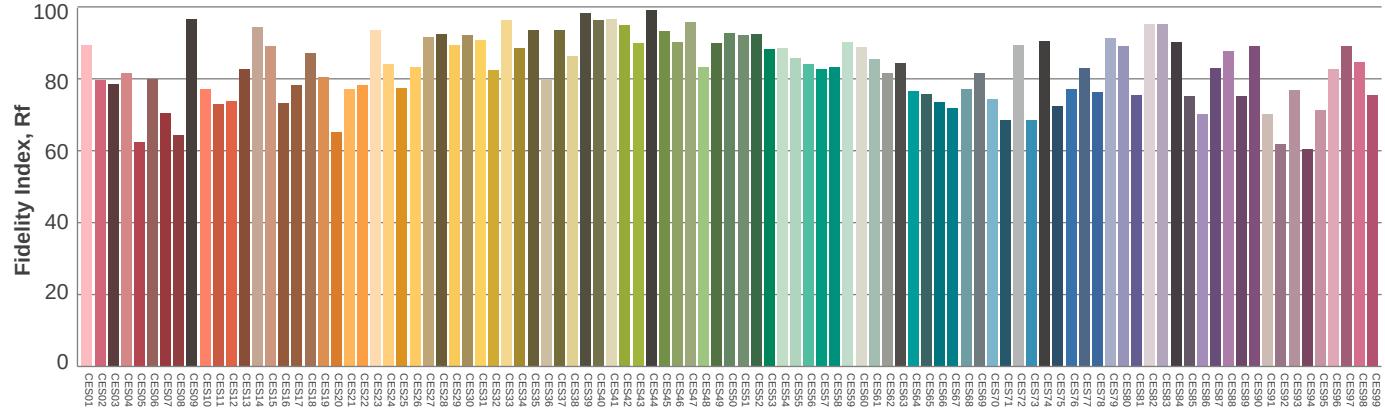












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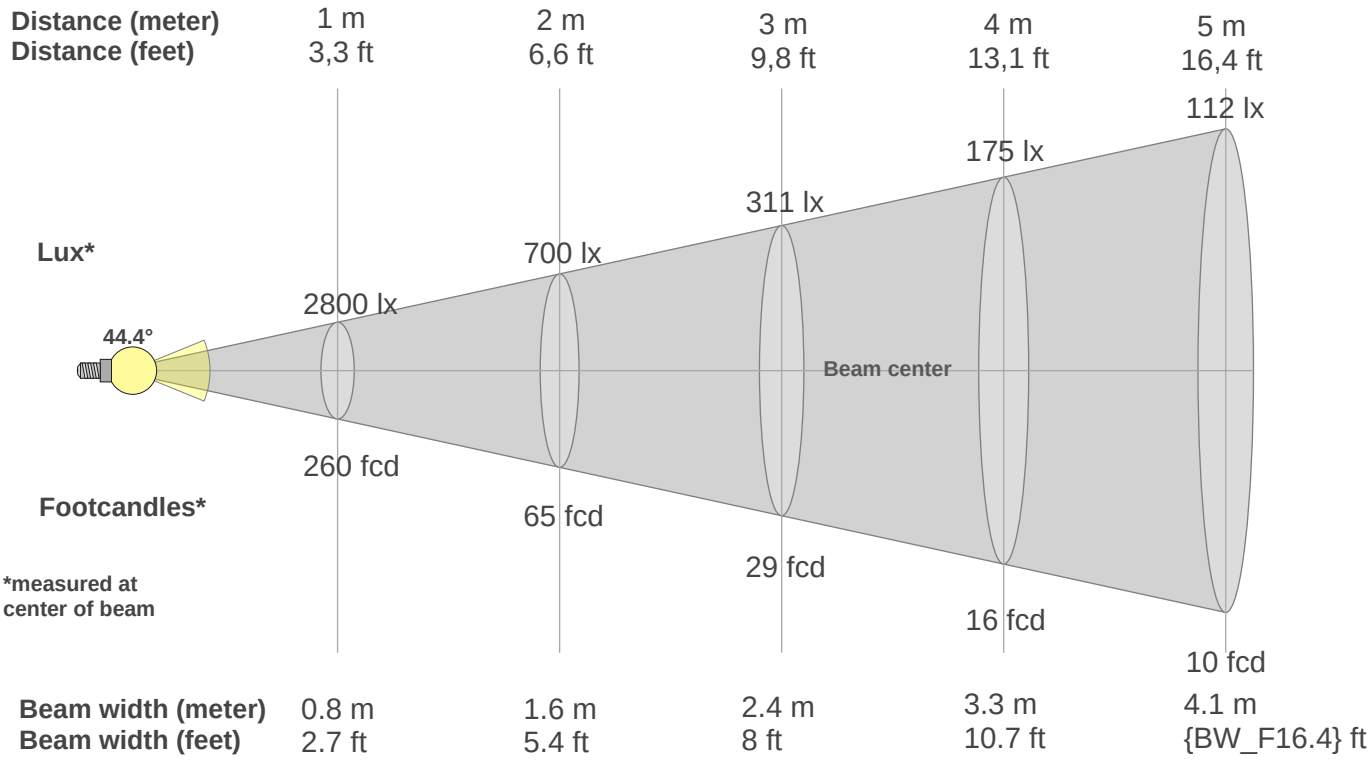
Beam details



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
2800lx	700lx	311lx	175lx	112lx	78lx	57lx	44lx	35lx	28lx	23lx	19lx	17lx	14lx	12lx	11lx	10lx	9lx	8lx	7lx
260.2fc	65fcd	28.9fcd	16.3fcd	10.4fcd	7.2fcd	5.3fcd	4.1fcd	3.2fcd	2.6fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd

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°
2800	2836	2775	2673	2523	2321	2070	1787	1498	1219	959	735	549	400	279	181	102	43	13	0
100%	101%	99%	95%	90%	83%	74%	64%	53%	44%	34%	26%	20%	14%	10%	6%	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°
2800	1741	1271	1042	928	865	822	780	729	670	601	517	422	318	215	124	53	22	0	0
100%	62%	45%	37%	33%	31%	29%	28%	26%	24%	21%	18%	15%	11%	8%	4%	2%	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°
2800	2864	2824	2736	2592	2391	2127	1815	1502	1215	953	730	548	401	284	187	108	45	0	0
100%	102%	101%	98%	93%	85%	76%	65%	54%	43%	34%	26%	20%	14%	10%	7%	4%	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°
2800	3091	3309	2869	2038	1416	1095	936	838	768	711	649	572	486	394	297	198	107	32	0
100%	110%	118%	102%	73%	51%	39%	33%	30%	27%	25%	23%	20%	17%	14%	11%	7%	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
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	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 3973 lm total luminous flux										

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