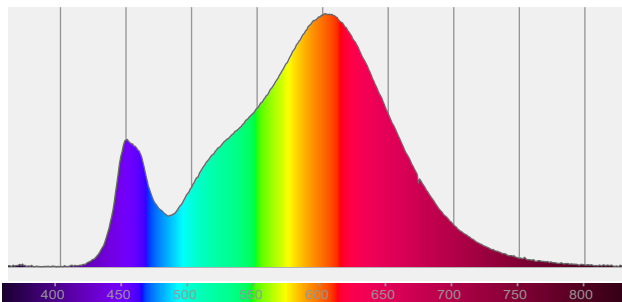
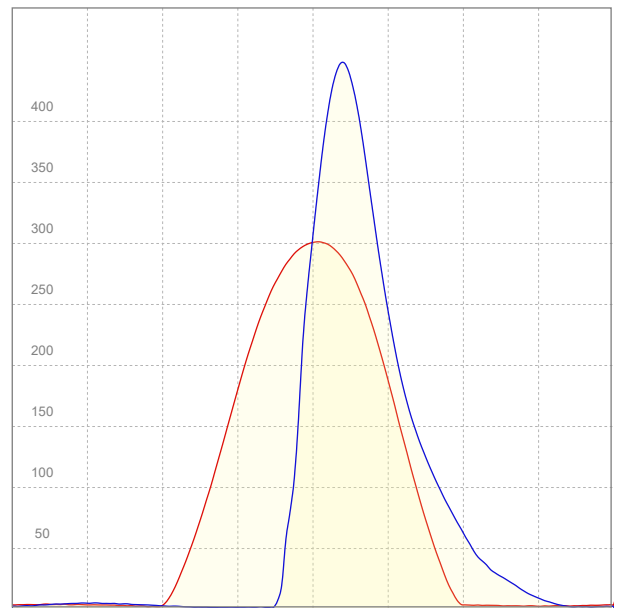
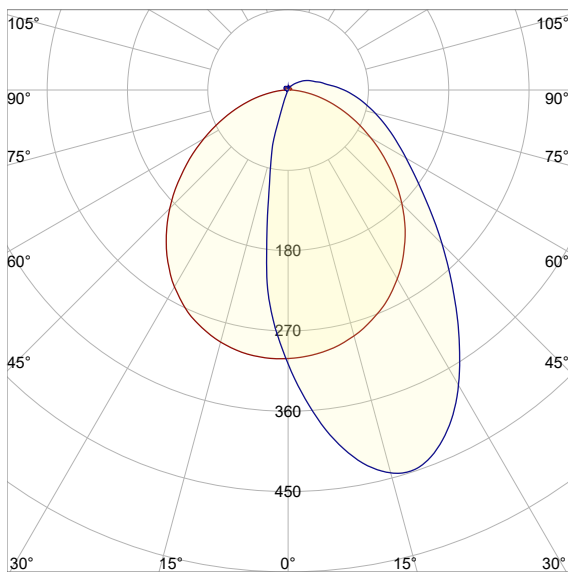
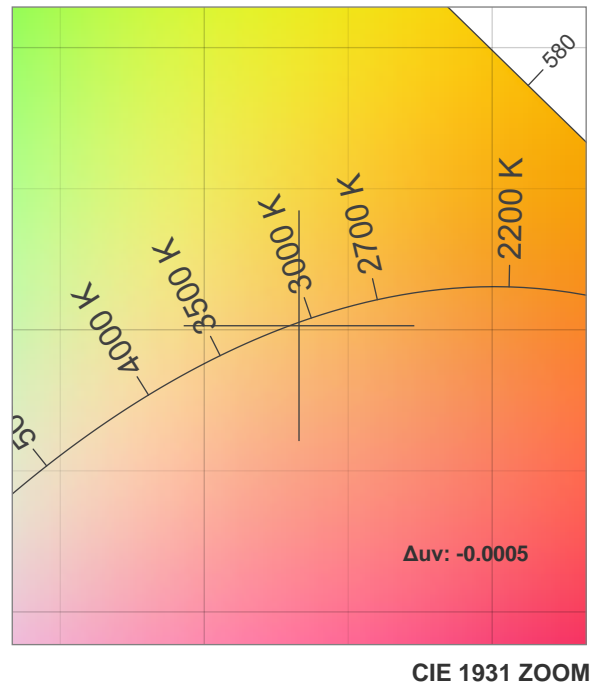
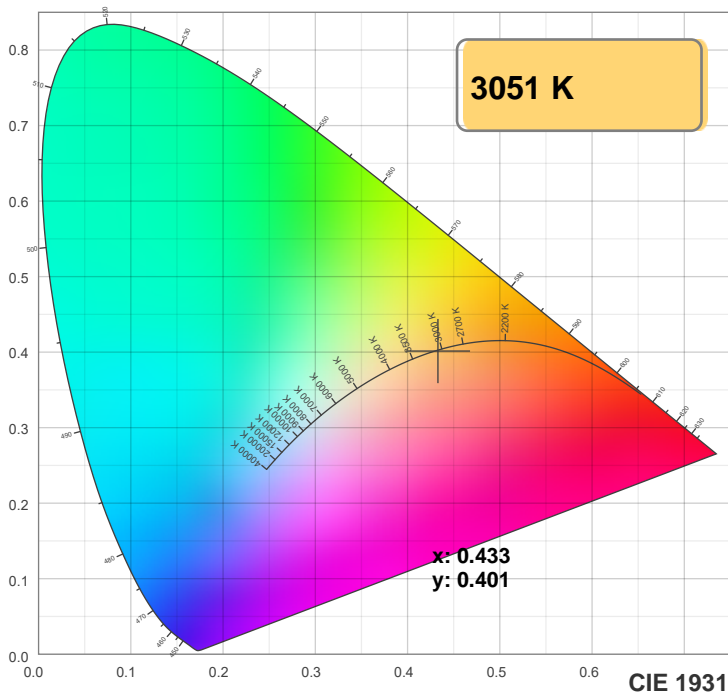
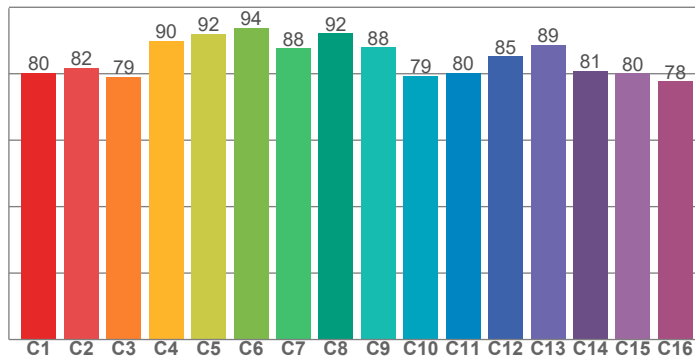


MICROWedge Asymmetric 40° at 15°**MWE140****Light efficiency:****133 Lumen/Watt****Light quality:****CRI: 83.2****Color temperature:****3051 K****Output: 716 lm****Peak: 448 cd****Power: 5.4 W****PF: 1.0****Product name:****MICROWedge Asymmetric 40° at 15°****Item number:****MWE140****Configuration:****MWE140-1FT-3080-WT-A4015-750LPF****Date and time:****3/22/2021 2:31:48 PM****Description:****MicroLine Cove 140 1ft****FOM01-0331****DC Power**

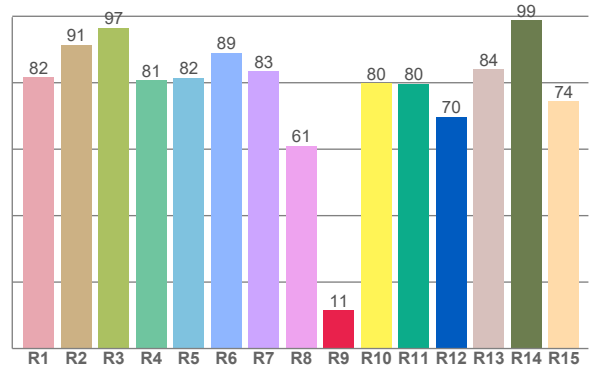
Color Details



TM-30: 84.8



CRI: 83.2 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81.7 | 91.4 | 96.6 | 80.8 | 81.5 | 89.1 | 83.4 | 61.0 | 11.5 | 79.8 | 79.7 | 69.7 | 84.1 | 98.8 | 74.4 |

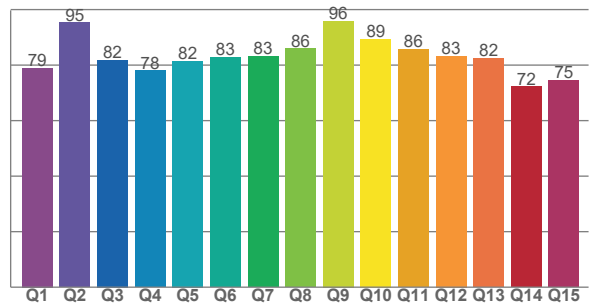
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 80.3 | 81.8 | 79.0 | 89.9 | 91.9 | 93.8 | 87.7 | 92.2 | 87.9 | 79.3 | 80.3 | 85.2 | 88.6 | 80.8 | 80.1 | 77.7 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.0 | 95.3 | 81.8 | 78.0 | 81.5 | 82.8 | 83.2 | 85.9 | 95.8 | 89.4 | 85.7 | 83.3 | 82.4 | 72.3 | 74.6 |

CQS: 82.1



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 deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 3051 K | 83.2 | 11.5 | 84.8 | 95.7 | 82.1 | 0.433 | 0.401 | 0.249 | 0.346 | -0.0005 |

TM-30 Details

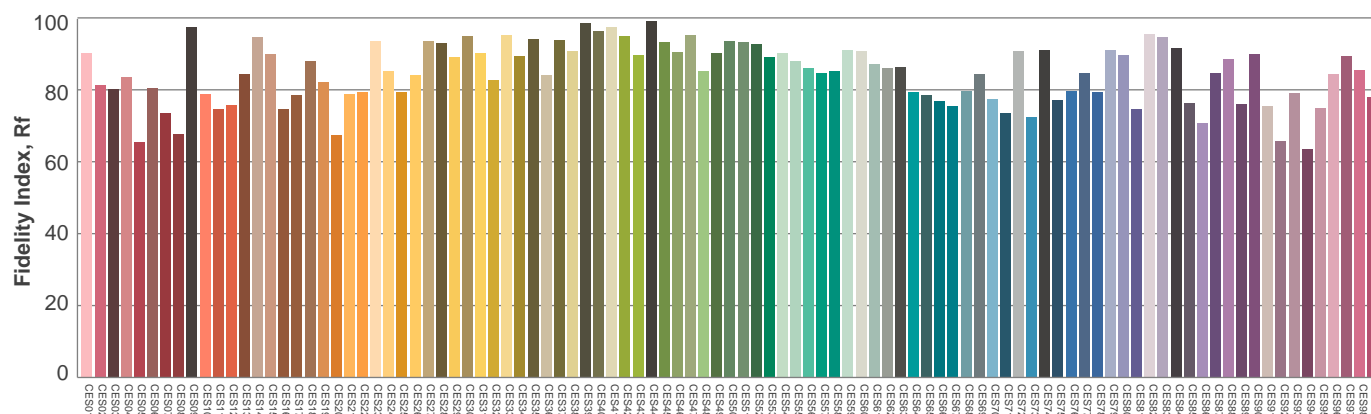
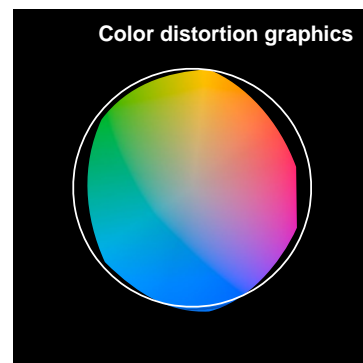
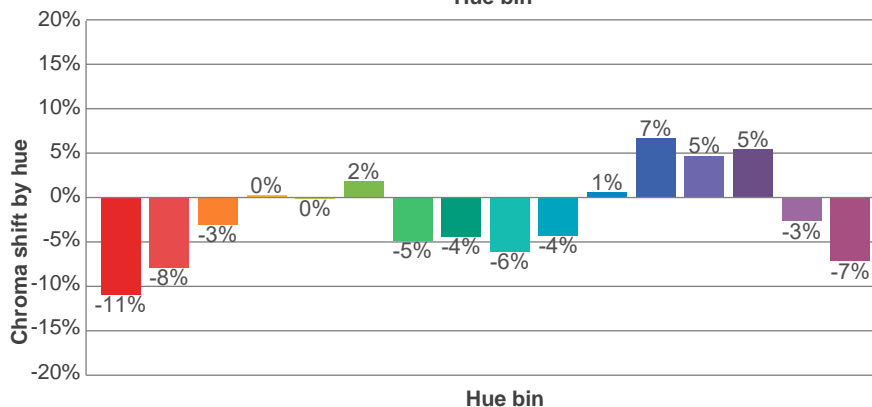
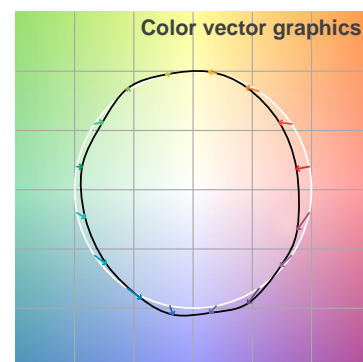
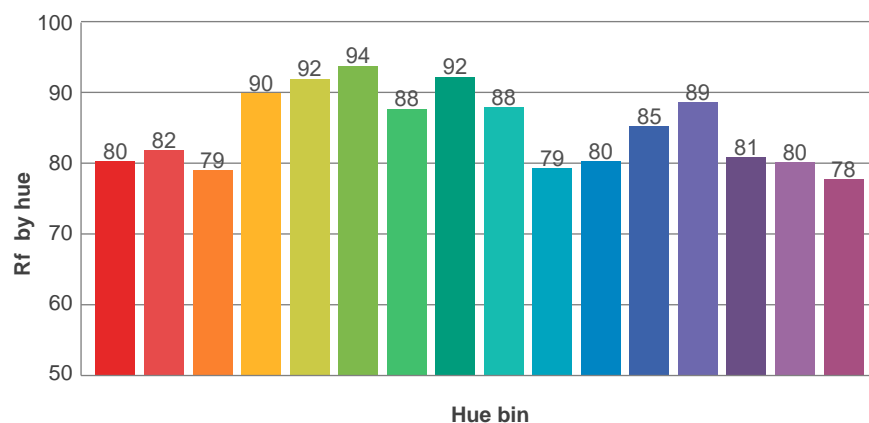
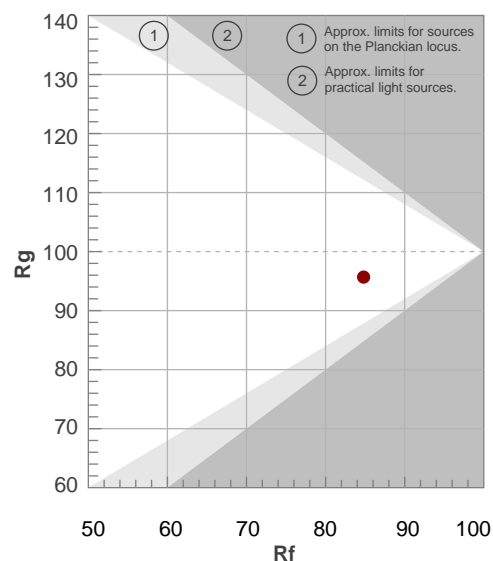
Rf 84.8

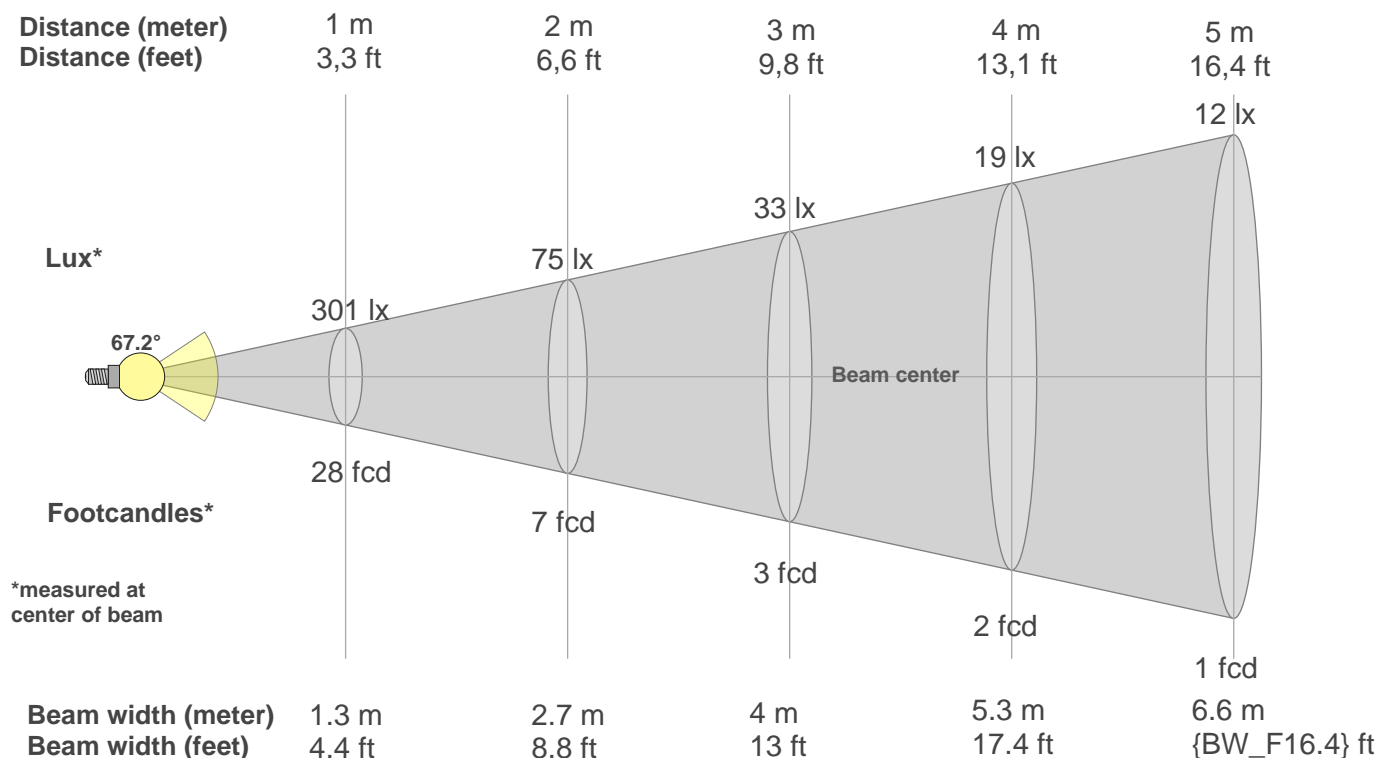
Fidelity index Rf

Rg 95.7

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 80 | -11% | 0% |
| 2 | 82 | -8% | 7% |
| 3 | 79 | -3% | 11% |
| 4 | 90 | 0% | 6% |
| 5 | 92 | 0% | 3% |
| 6 | 94 | 2% | -2% |
| 7 | 88 | -5% | -5% |
| 8 | 92 | -4% | -1% |
| 9 | 88 | -6% | 5% |
| 10 | 79 | -4% | 11% |
| 11 | 80 | 1% | 15% |
| 12 | 85 | 7% | 4% |
| 13 | 89 | 5% | -6% |
| 14 | 81 | 5% | -15% |
| 15 | 80 | -3% | -13% |
| 16 | 78 | -7% | -16% |



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 |
| 301lx | 75lx | 33lx | 19lx | 12lx | 8lx | 6lx | 5lx | 4lx | 3lx | 2lx | 2lx | 2lx | 2lx | 1lx | 1lx | 1lx | 1lx | 1lx | 1lx |
| 27.9fcd | 7fcd | 3.1fcd | 1.7fcd | 1.1fcd | 0.8fcd | 0.6fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.2fcd | 0.2fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd |

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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 301 | 298 | 293 | 285 | 274 | 261 | 244 | 225 | 204 | 180 | 156 | 131 | 107 | 84 | 63 | 44 | 27 | 12 | 4 | 2 |
| 100% | 99% | 98% | 95% | 91% | 87% | 81% | 75% | 68% | 60% | 52% | 44% | 35% | 28% | 21% | 15% | 9% | 4% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 301 | 368 | 416 | 443 | 445 | 421 | 382 | 333 | 286 | 244 | 207 | 177 | 153 | 133 | 116 | 101 | 87 | 75 | 63 | 51 |
| 100% | 122% | 138% | 147% | 148% | 140% | 127% | 111% | 95% | 81% | 69% | 59% | 51% | 44% | 39% | 34% | 29% | 25% | 21% | 17% |

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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 301 | 301 | 298 | 292 | 283 | 271 | 254 | 235 | 212 | 187 | 161 | 135 | 109 | 85 | 62 | 42 | 24 | 10 | 4 | 4 |
| 100% | 100% | 99% | 97% | 94% | 90% | 85% | 78% | 71% | 62% | 54% | 45% | 36% | 28% | 21% | 14% | 8% | 3% | 1% | 1% |

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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 301 | 237 | 130 | 69 | 13 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 100% | 79% | 43% | 23% | 4% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 1% |

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 |
| 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 716 lm total luminous flux | | | | | | | | | | |