

Light efficiency:

59 Lumen/Watt

Light quality:

CRI: 82.2

Color temperature:

3068 K

Output: 764 lm

Peak: 529 cd

Power: 12.9 W

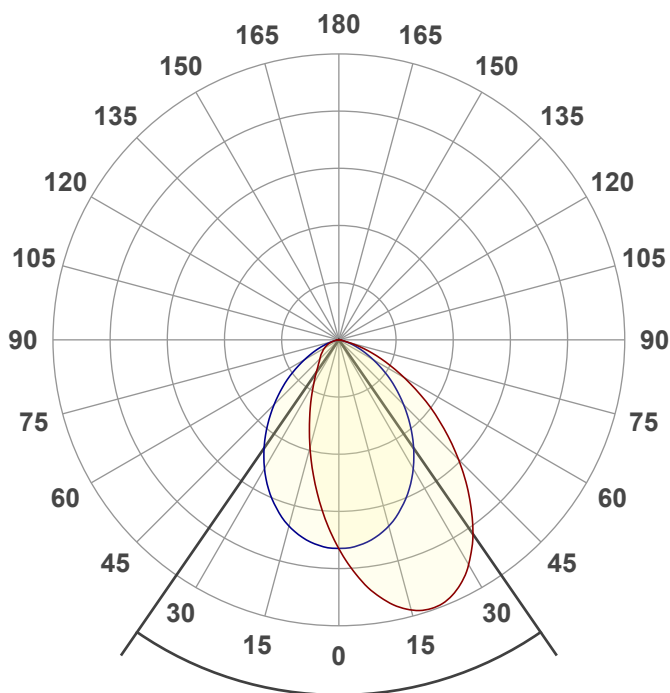
PF: 0.95



NU1-RW-SW-10LM-30K-80-WW-WH-WH

Date and time:

8/21/2024 1:31:50 PM



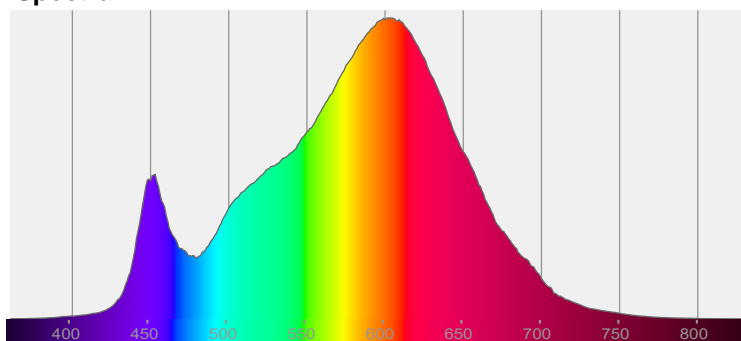
Beam angle

69.2°

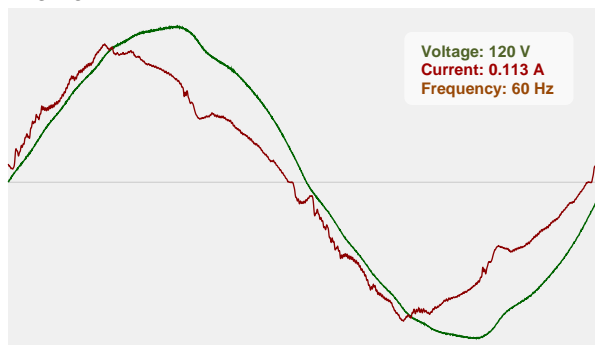


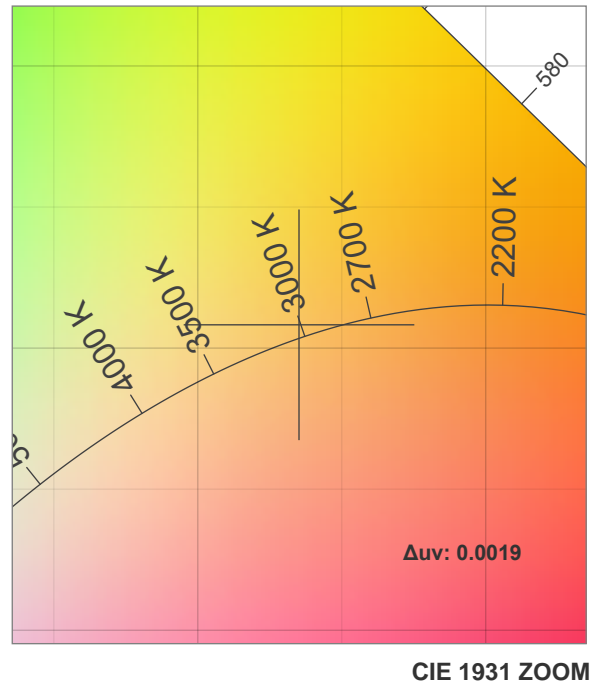
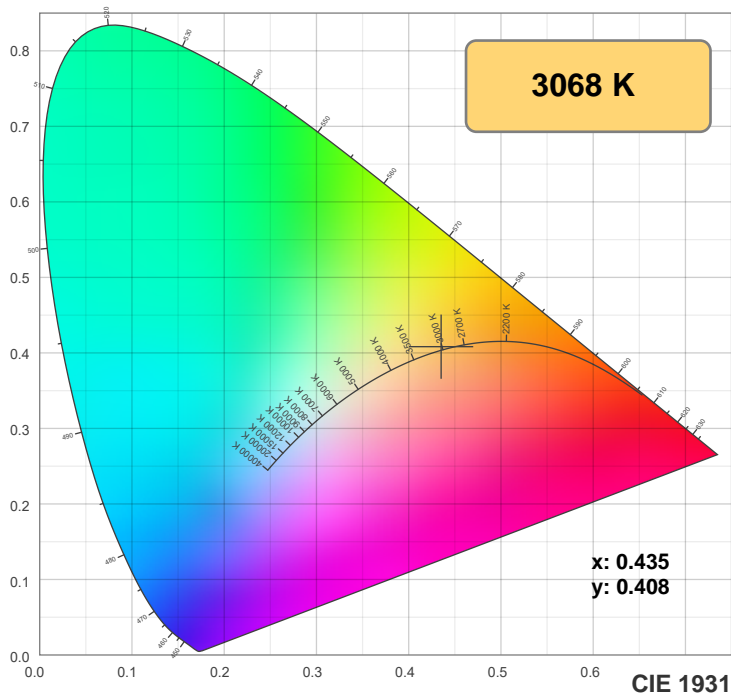
CIE 1931
x: 0.435
y: 0.408

Spectra

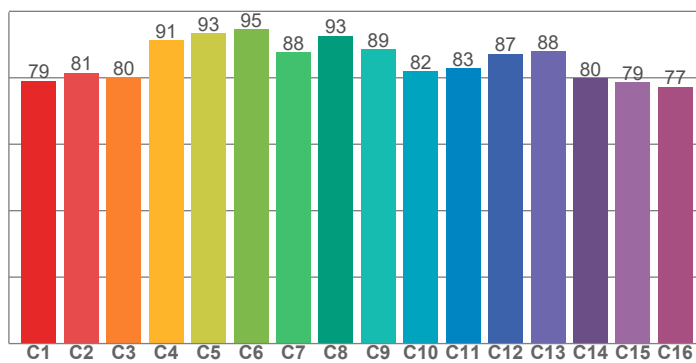


Power

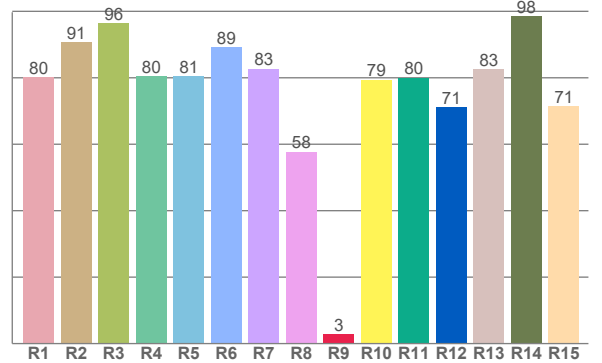




TM30: 85.3



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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 80.2 | 90.7 | 96.3 | 80.4 | 80.5 | 89.1 | 82.8 | 57.8 | 2.9 | 79.4 | 80.0 | 71.2 | 82.6 | 98.5 | 71.4 |

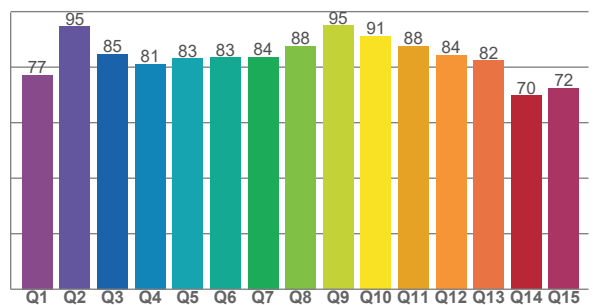
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.1 | 81.4 | 80.1 | 91.3 | 93.4 | 94.6 | 87.6 | 92.6 | 88.5 | 82.0 | 82.9 | 87.3 | 88.0 | 79.8 | 78.7 | 77.2 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.1 | 94.6 | 84.8 | 81.1 | 83.0 | 83.4 | 83.7 | 87.6 | 95.0 | 91.2 | 87.6 | 84.4 | 82.4 | 69.7 | 72.4 |

CQS: 82.3



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 deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 3068 K | 82.2 | 2.9 | 85.3 | 94.5 | 82.3 | 0.435 | 0.408 | 0.248 | 0.349 | 0.0019 |

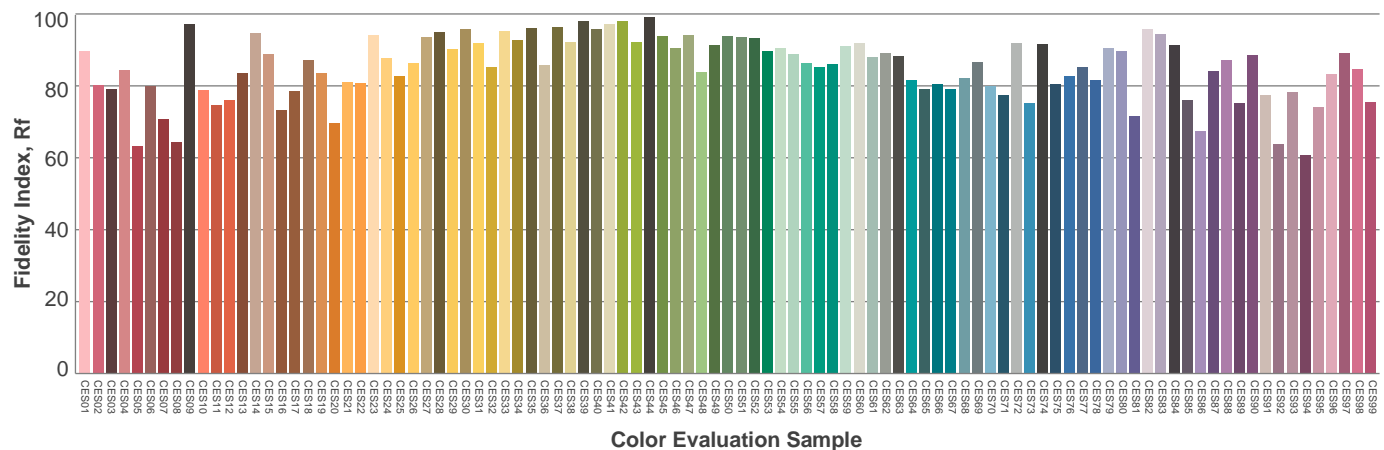
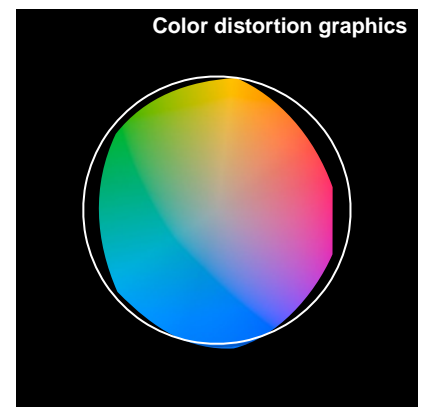
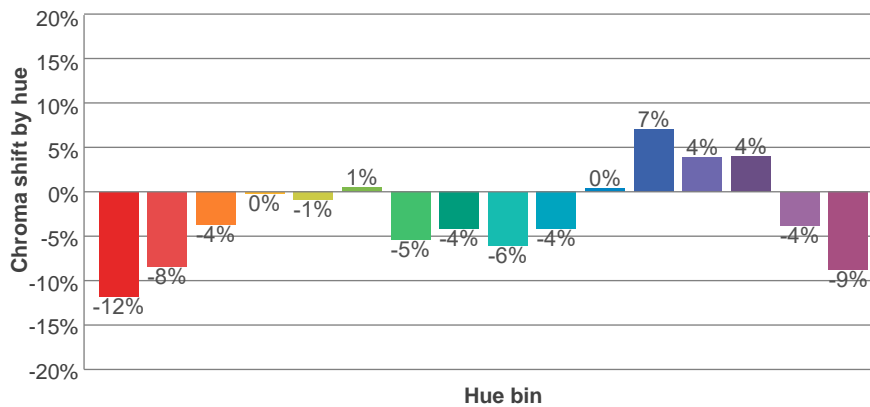
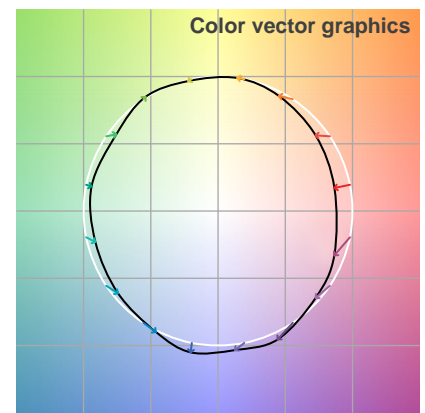
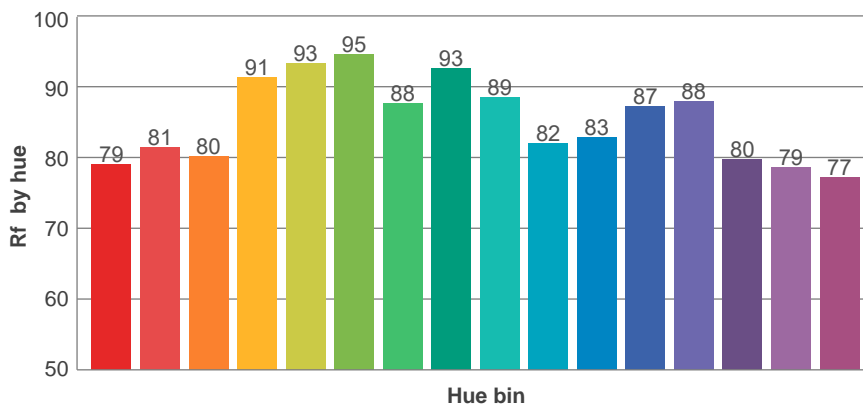
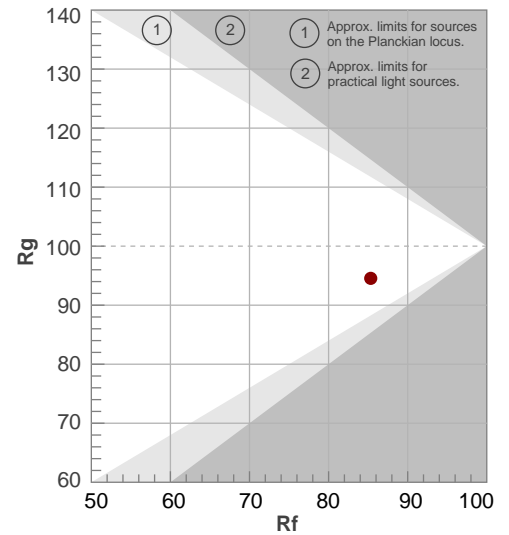
Rf 85.3

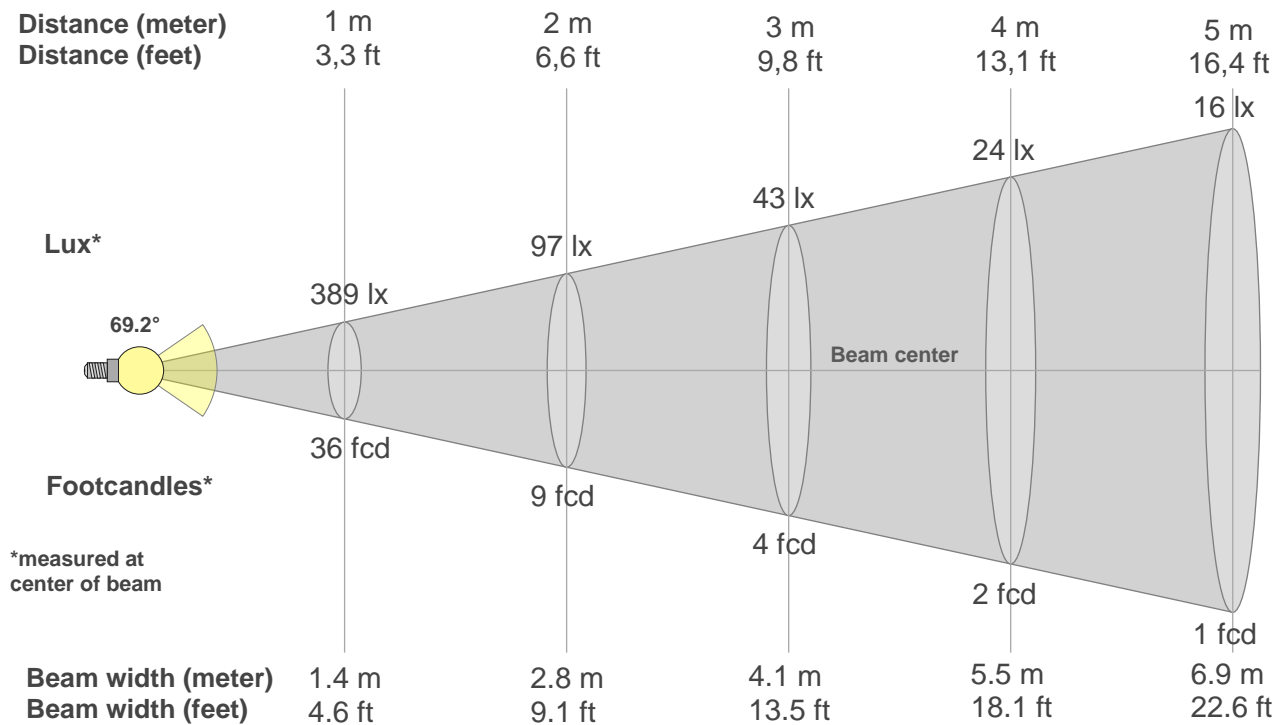
Fidelity index Rf

Rg 94.5

Gamut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 79 | -12% | 0% |
| 2 | 81 | -8% | 6% |
| 3 | 80 | -4% | 10% |
| 4 | 91 | 0% | 5% |
| 5 | 93 | -1% | 3% |
| 6 | 95 | 1% | -2% |
| 7 | 88 | -5% | -5% |
| 8 | 93 | -4% | 0% |
| 9 | 89 | -6% | 5% |
| 10 | 82 | -4% | 9% |
| 11 | 83 | 0% | 12% |
| 12 | 87 | 7% | 1% |
| 13 | 88 | 4% | -8% |
| 14 | 80 | 4% | -16% |
| 15 | 79 | -4% | -13% |
| 16 | 77 | -9% | -16% |





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 |
| 389lx | 97lx | 43lx | 24lx | 16lx | 11lx | 8lx | 6lx | 5lx | 4lx | 3lx | 3lx | 2lx | 2lx | 2lx | 2lx | 1lx | 1lx | 1lx | 1lx |
| 36.1fcd | 9fcd | 4fcd | 2.3fcd | 1.4fcd | 1fcd | 0.7fcd | 0.6fcd | 0.4fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.2fcd | 0.2fcd | 0.2fcd | 0.2fcd | 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 389 | 447 | 492 | 520 | 529 | 516 | 483 | 435 | 377 | 315 | 254 | 196 | 140 | 94 | 54 | 21 | 3 | 1 | 1 | 0 |
| 100% | 115% | 126% | 134% | 136% | 133% | 124% | 112% | 97% | 81% | 65% | 50% | 36% | 24% | 14% | 5% | 1% | 0% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 389 | 385 | 375 | 359 | 336 | 309 | 277 | 243 | 206 | 171 | 136 | 104 | 74 | 49 | 29 | 12 | 3 | 1 | 1 | 0 |
| 100% | 99% | 97% | 92% | 86% | 79% | 71% | 62% | 53% | 44% | 35% | 27% | 19% | 13% | 7% | 3% | 1% | 0% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 389 | 327 | 264 | 208 | 160 | 122 | 93 | 73 | 59 | 50 | 44 | 37 | 31 | 25 | 19 | 12 | 6 | 2 | 1 | 0 |
| 100% | 84% | 68% | 53% | 41% | 31% | 24% | 19% | 15% | 13% | 11% | 9% | 8% | 6% | 5% | 3% | 2% | 0% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 389 | 385 | 375 | 359 | 336 | 309 | 277 | 243 | 206 | 171 | 136 | 104 | 74 | 49 | 29 | 12 | 3 | 1 | 1 | 0 |
| 100% | 99% | 97% | 92% | 86% | 79% | 71% | 62% | 53% | 44% | 35% | 27% | 19% | 13% | 7% | 3% | 1% | 0% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 69.2° | 123.5° | 151.1° | 89.8% | 67.3% |