

Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 94.4

Color temperature:

3059 K

Output: 666 lm

Peak: 731 cd

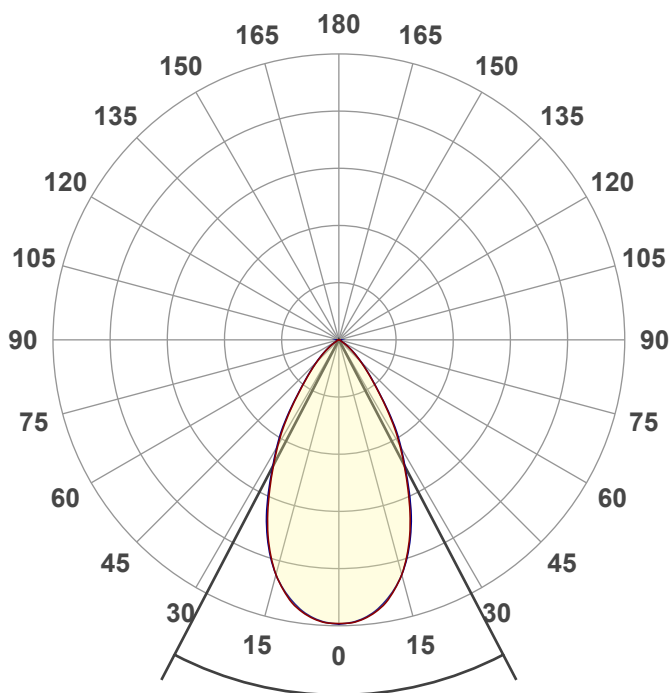
Power: 11.1 W

PF: 0.94



NU1-RA-TW-07LM-2765-95-55D-NA-NL-WH-WH

Date and time:
9/5/2024 8:25:41 AM



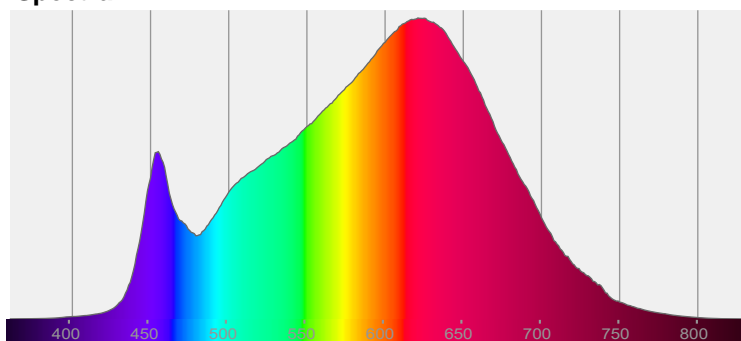
Beam angle

55.1°

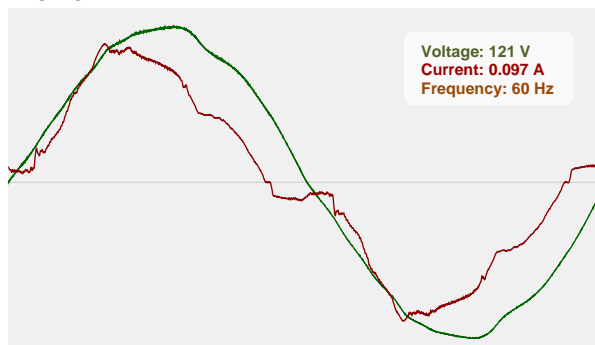


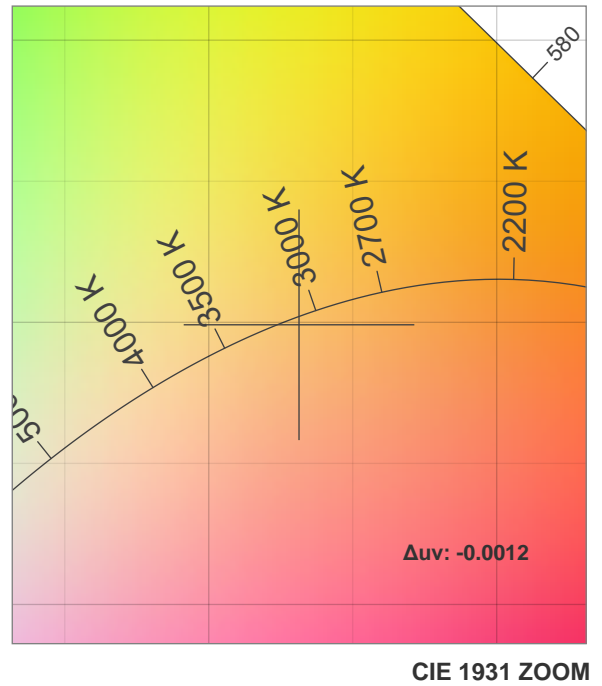
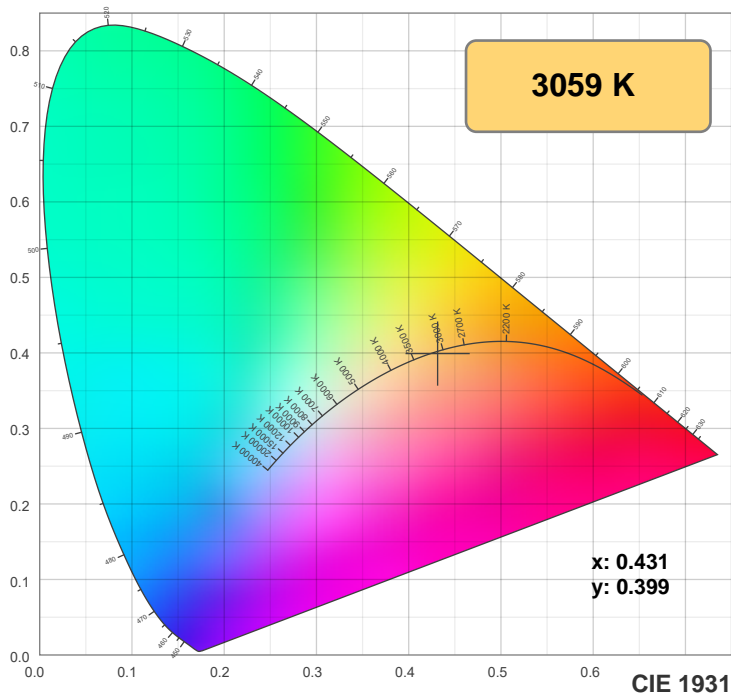
CIE 1931
x: 0.431
y: 0.399

Spectra

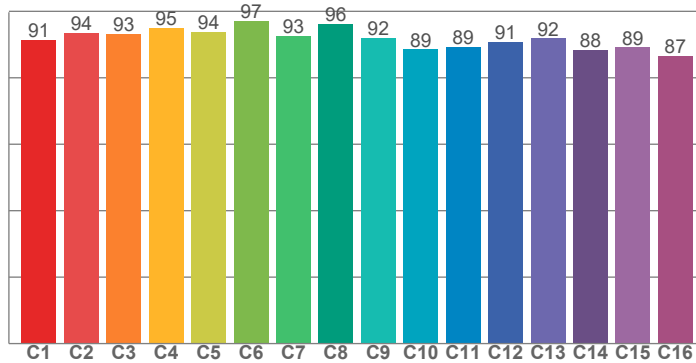


Power

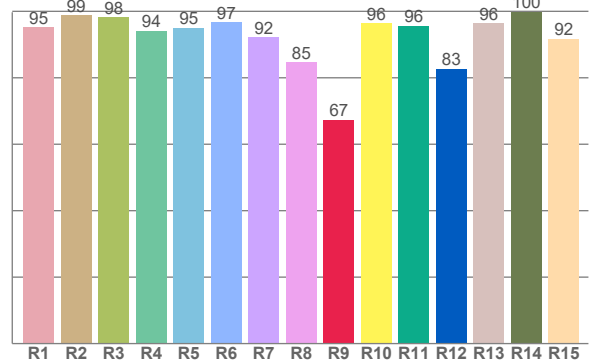




TM30: 92.0



CRI: 94.4 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95.2 | 98.7 | 98.3 | 94.2 | 95.1 | 96.7 | 92.2 | 84.7 | 67.4 | 96.4 | 95.6 | 82.7 | 96.5 | 99.8 | 91.7 |

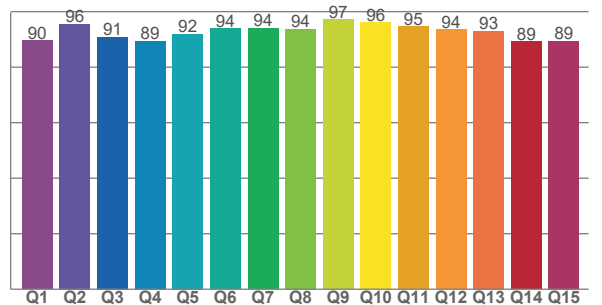
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.4 | 93.5 | 93.2 | 95.0 | 93.8 | 97.1 | 92.6 | 96.3 | 92.0 | 88.6 | 89.4 | 90.8 | 91.9 | 88.4 | 89.1 | 86.6 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89.6 | 95.6 | 90.8 | 89.3 | 91.9 | 93.9 | 94.0 | 93.8 | 97.1 | 96.1 | 94.7 | 93.5 | 93.0 | 89.3 | 89.4 |

CQS: 92.3



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 |
| 3059 K | 94.4 | 67.4 | 92.0 | 98.5 | 92.3 | 0.431 | 0.399 | 0.249 | 0.346 | -0.0012 |

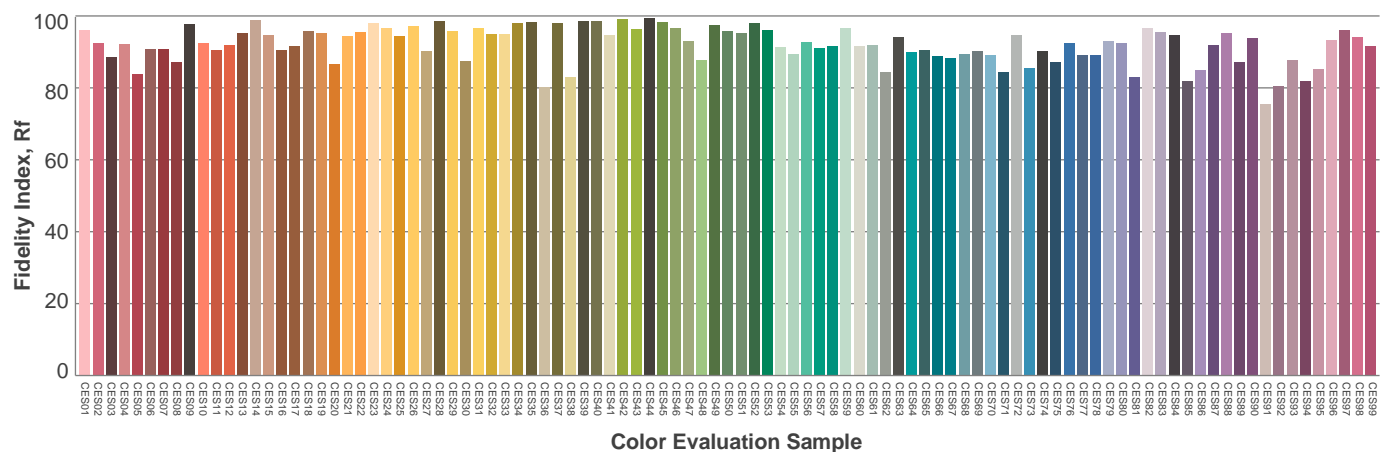
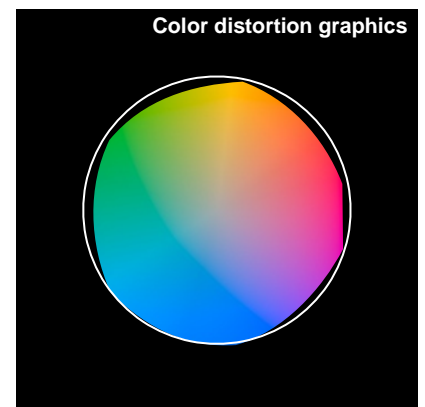
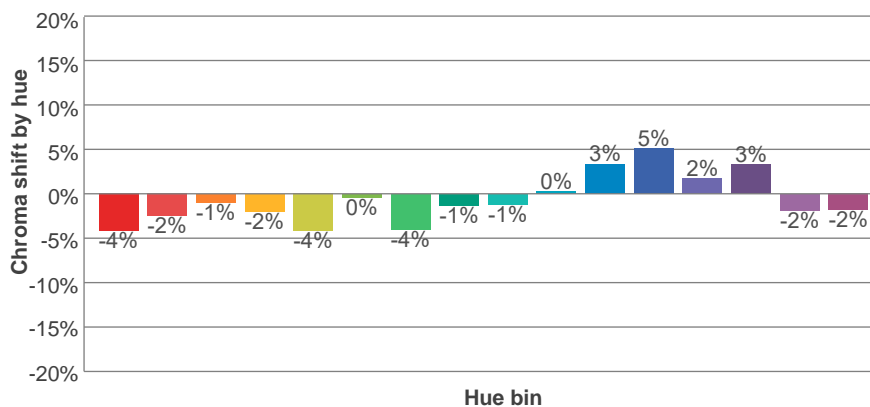
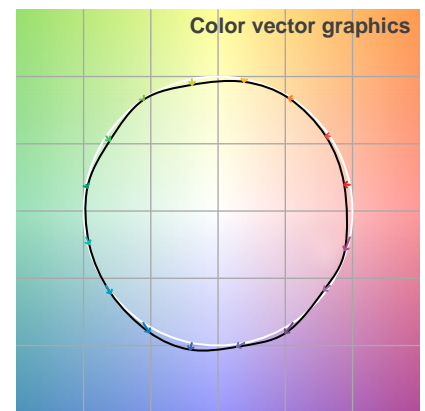
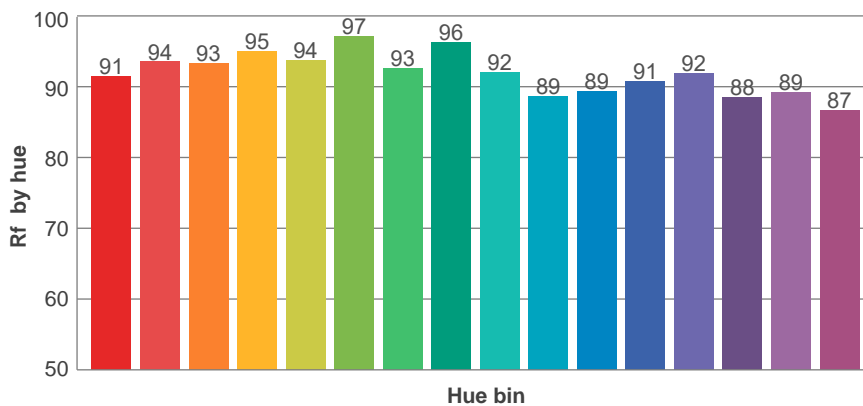
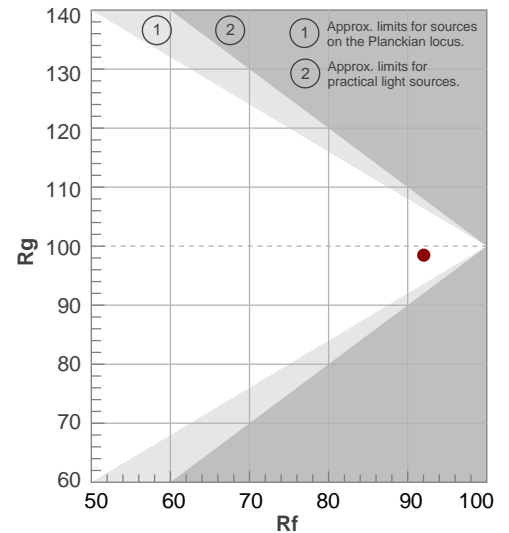
Rf 92.0

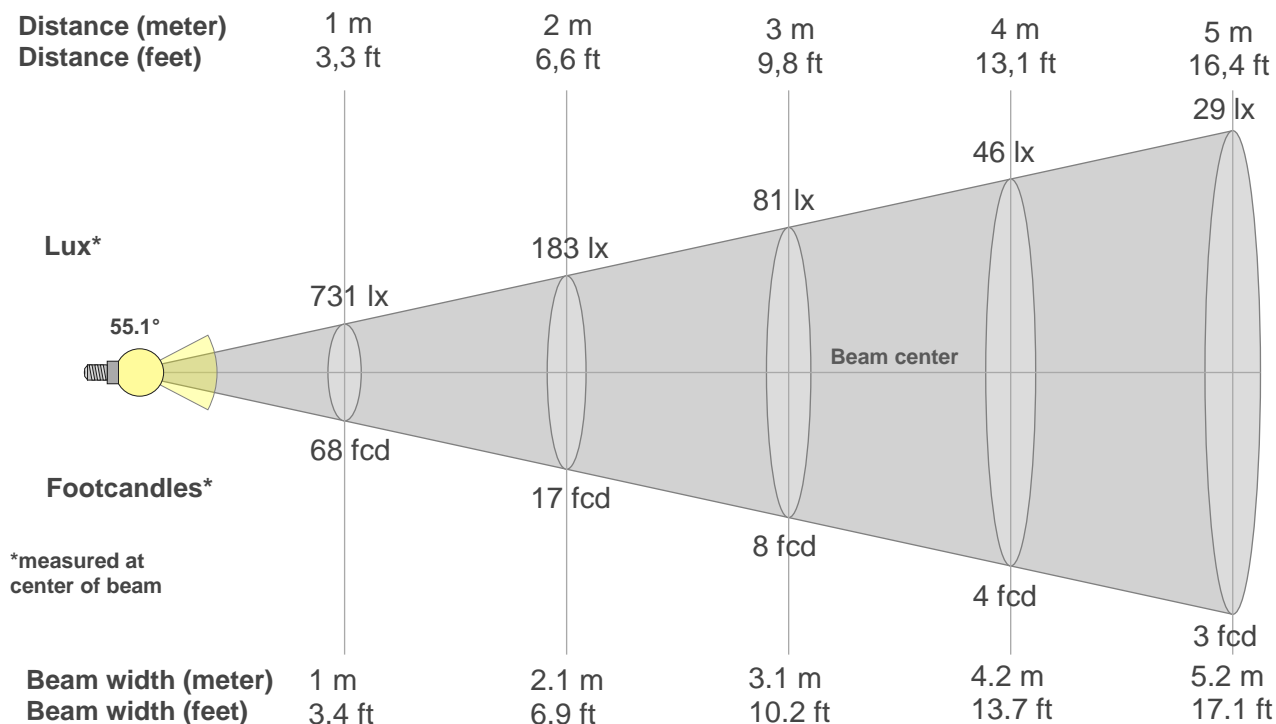
Fidelity index Rf

Rg 98.5

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 91 | -4% | 1% |
| 2 | 94 | -2% | 2% |
| 3 | 93 | -1% | 3% |
| 4 | 95 | -2% | 0% |
| 5 | 94 | -4% | 1% |
| 6 | 97 | 0% | 0% |
| 7 | 93 | -4% | 1% |
| 8 | 96 | -1% | 2% |
| 9 | 92 | -1% | 5% |
| 10 | 89 | 0% | 7% |
| 11 | 89 | 3% | 7% |
| 12 | 91 | 5% | 0% |
| 13 | 92 | 2% | -6% |
| 14 | 88 | 3% | -9% |
| 15 | 89 | -2% | -5% |
| 16 | 87 | -2% | -10% |





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 |
| 731lx | 183lx | 81lx | 46lx | 29lx | 20lx | 15lx | 11lx | 9lx | 7lx | 6lx | 5lx | 4lx | 4lx | 3lx | 3lx | 3lx | 2lx | 2lx | 2lx |
| 67.9fcd | 17fcd | 7.5fcd | 4.2fcd | 2.7fcd | 1.9fcd | 1.4fcd | 1.1fcd | 0.8fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.3fcd | 0.2fcd | 0.2fcd | 0.2fcd | 0.2fcd |

Intensities in 0° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 731 | 729 | 725 | 716 | 704 | 688 | 665 | 639 | 608 | 573 | 534 | 489 | 443 | 397 | 354 | 314 | 274 | 232 | 193 | 158 |
| 100% | 100% | 99% | 98% | 96% | 94% | 91% | 87% | 83% | 78% | 73% | 67% | 61% | 54% | 48% | 43% | 38% | 32% | 26% | 22% |

Intensities in 90° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 731 | 729 | 723 | 714 | 701 | 684 | 663 | 638 | 610 | 576 | 538 | 497 | 451 | 404 | 359 | 320 | 282 | 239 | 197 | 161 |
| 100% | 100% | 99% | 98% | 96% | 94% | 91% | 87% | 83% | 79% | 74% | 68% | 62% | 55% | 49% | 44% | 39% | 33% | 27% | 22% |

Intensities in 180° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 731 | 729 | 725 | 716 | 704 | 688 | 665 | 639 | 608 | 573 | 534 | 489 | 443 | 397 | 354 | 314 | 274 | 232 | 193 | 158 |
| 100% | 100% | 99% | 98% | 96% | 94% | 91% | 87% | 83% | 78% | 73% | 67% | 61% | 54% | 48% | 43% | 38% | 32% | 26% | 22% |

Intensities in 270° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 731 | 729 | 723 | 714 | 701 | 684 | 663 | 638 | 610 | 576 | 538 | 497 | 451 | 404 | 359 | 320 | 282 | 239 | 197 | 161 |
| 100% | 100% | 99% | 98% | 96% | 94% | 91% | 87% | 83% | 79% | 74% | 68% | 62% | 55% | 49% | 44% | 39% | 33% | 27% | 22% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 55.1° | 92.1° | 112.5° | 98.2% | 91.1% |