

Light efficiency:

35 Lumen/Watt

Light quality:

CRI: 83.1

Color temperature:

2895 K

Output: 1062 lm

Peak: 5152 cd

Power: 30.0 W

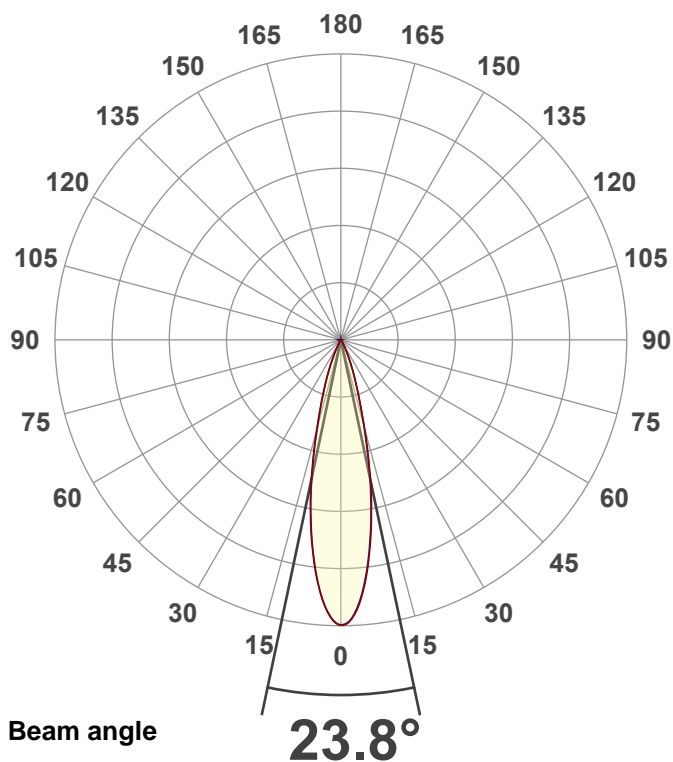
PF: 0.98



NU3-RDDR-XTM09-16LM-30K-83-25D-NL-WH

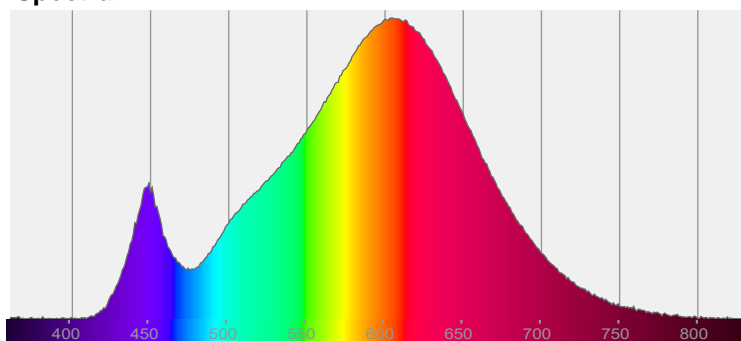
Date and time:

4/8/2022 2:20:07 PM



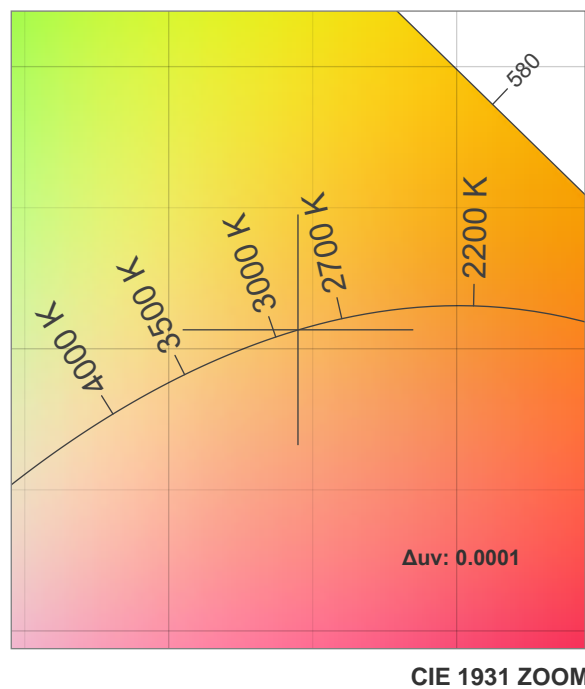
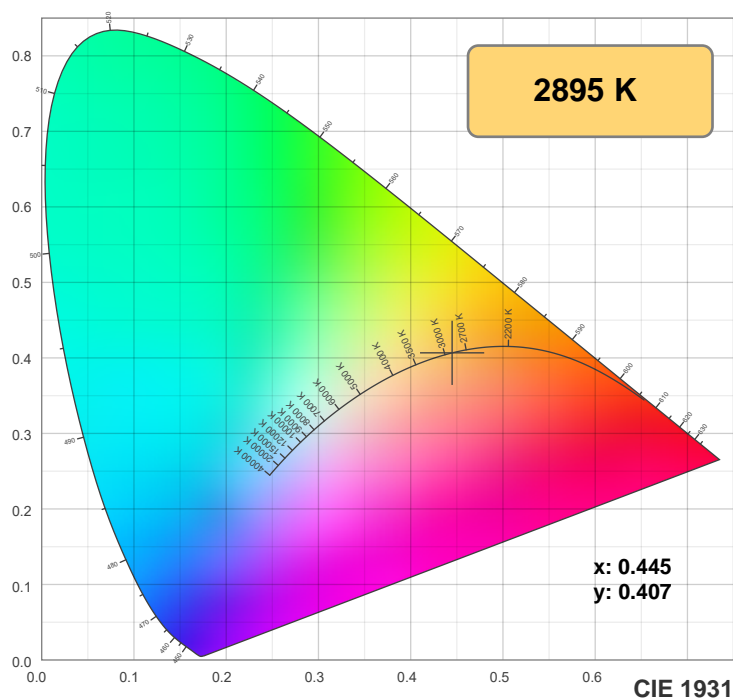
CIE 1931
x: 0.445
y: 0.407

Spectra

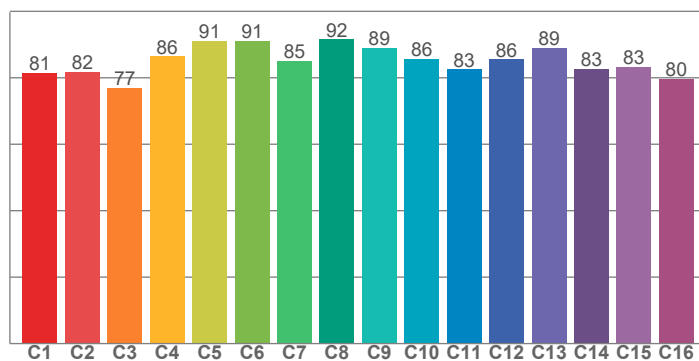


Power

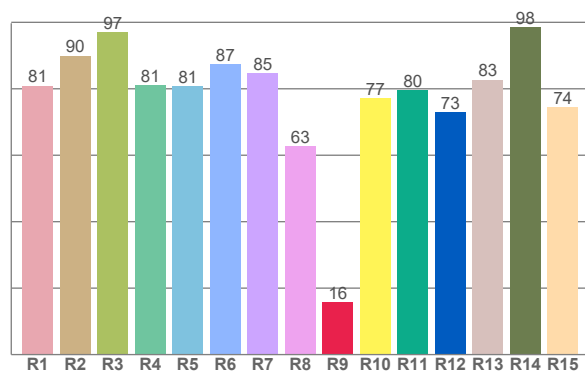
Voltage: 121 V
Current: 0.248 A
Frequency: 0 Hz



TM30: 85.0



CRI: 83.1 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 80.9 | 90.0 | 97.0 | 81.2 | 80.8 | 87.3 | 84.6 | 62.7 | 15.7 | 77.2 | 79.6 | 73.0 | 82.8 | 98.5 | 74.5 |

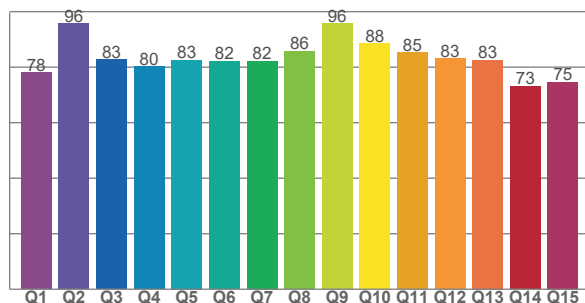
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81.5 | 81.7 | 77.0 | 86.5 | 91.2 | 91.1 | 85.0 | 91.6 | 89.0 | 85.7 | 82.5 | 85.5 | 89.0 | 82.7 | 83.4 | 79.6 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 78.1 | 95.7 | 82.8 | 80.3 | 82.5 | 82.1 | 82.2 | 85.7 | 95.7 | 88.5 | 85.2 | 83.1 | 82.5 | 73.1 | 74.6 |

CQS: 82.2



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 |
| 2895 K | 83.1 | 15.7 | 85.0 | 97.4 | 82.2 | 0.445 | 0.407 | 0.255 | 0.349 | 0.0001 |

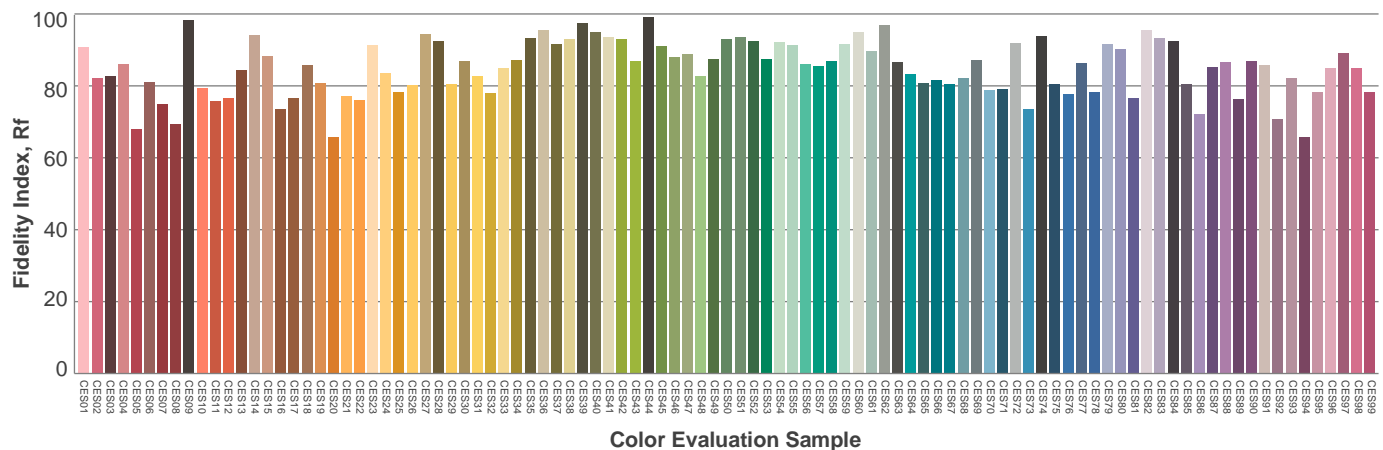
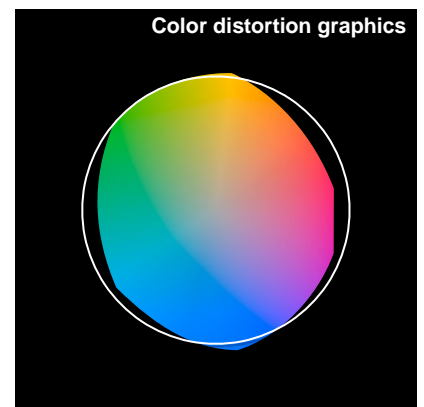
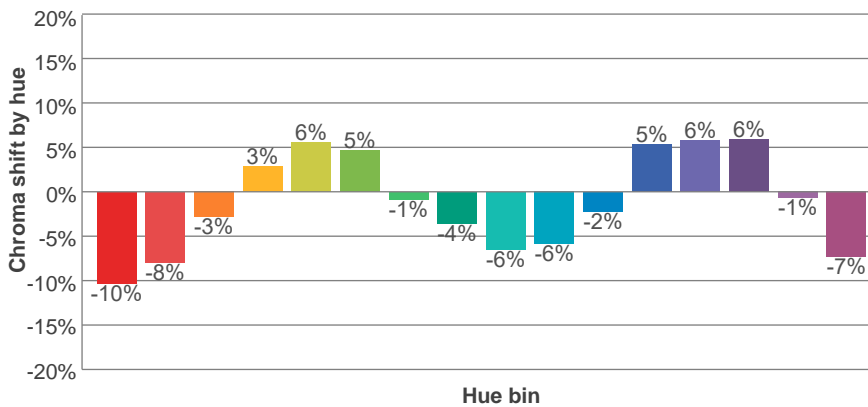
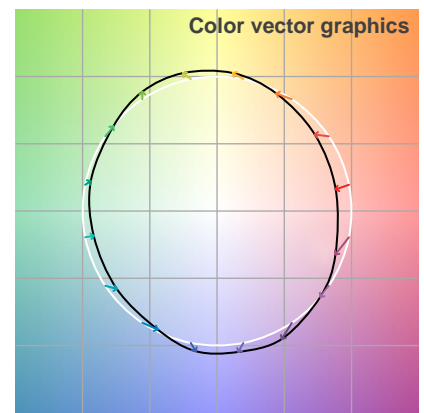
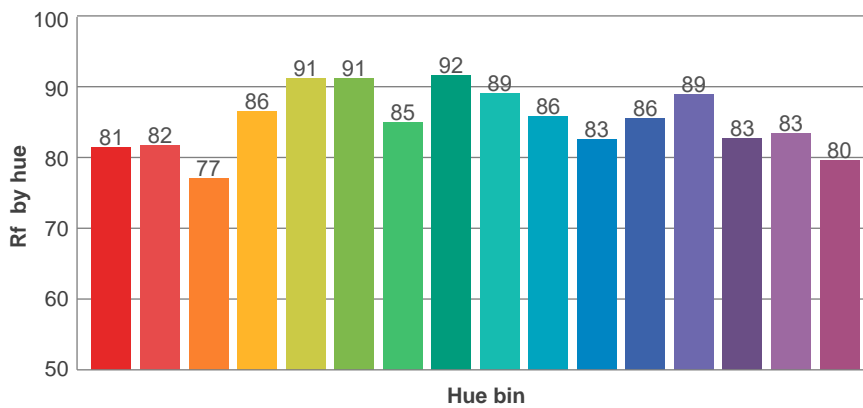
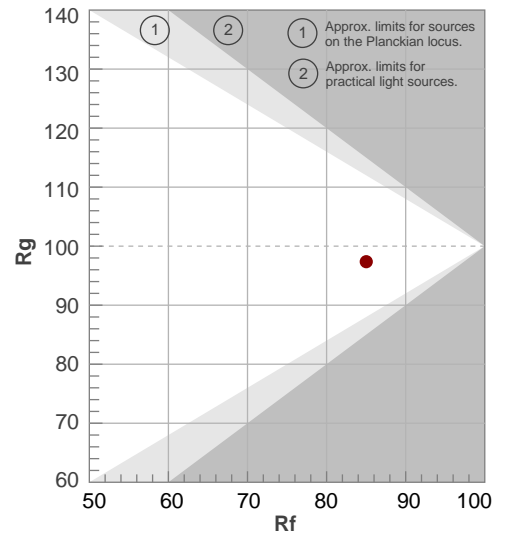
Rf 85.0

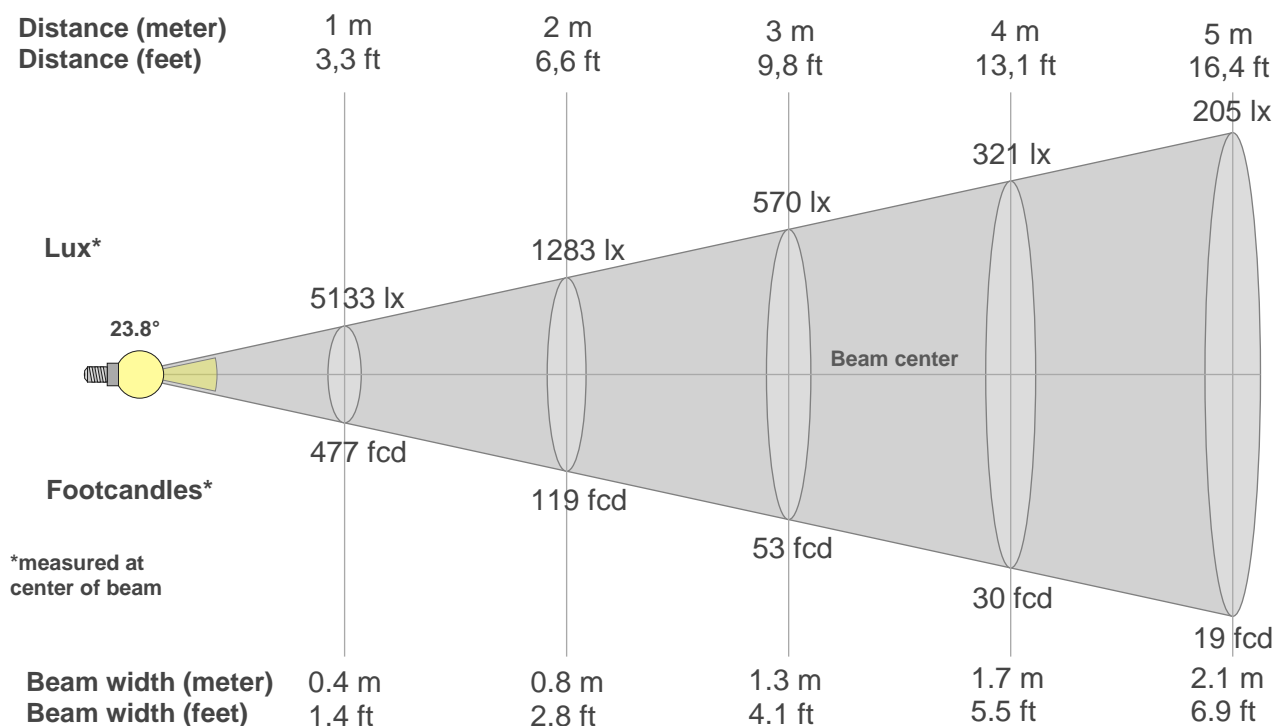
Fidelity index Rf

Rg 97.4

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 81 | -10% | -1% |
| 2 | 82 | -8% | 7% |
| 3 | 77 | -3% | 12% |
| 4 | 86 | 3% | 8% |
| 5 | 91 | 6% | 5% |
| 6 | 91 | 5% | -3% |
| 7 | 85 | -1% | -9% |
| 8 | 92 | -4% | -4% |
| 9 | 89 | -6% | 0% |
| 10 | 86 | -6% | 7% |
| 11 | 83 | -2% | 12% |
| 12 | 86 | 5% | 5% |
| 13 | 89 | 6% | -5% |
| 14 | 83 | 6% | -13% |
| 15 | 83 | -1% | -10% |
| 16 | 80 | -7% | -14% |





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 |
| 5133lx | 1283lx | 570lx | 321lx | 205lx | 143lx | 105lx | 80lx | 63lx | 51lx | 42lx | 36lx | 30lx | 26lx | 23lx | 20lx | 18lx | 16lx | 14lx | 13lx |
| 476.9fc | 119.2fc | 53fcd | 29.8fcd | 19.1fcd | 13.2fcd | 9.7fcd | 7.5fcd | 5.9fcd | 4.8fcd | 3.9fcd | 3.3fcd | 2.8fcd | 2.4fcd | 2.1fcd | 1.9fcd | 1.7fcd | 1.5fcd | 1.3fcd | 1.2fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5133 | 5056 | 4790 | 4340 | 3788 | 3195 | 2578 | 1957 | 1414 | 1023 | 733 | 510 | 326 | 204 | 125 | 78 | 53 | 43 | 38 | 34 |
| 100% | 98% | 93% | 85% | 74% | 62% | 50% | 38% | 28% | 20% | 14% | 10% | 6% | 4% | 2% | 2% | 1% | 1% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5133 | 5067 | 4748 | 4289 | 3743 | 3146 | 2523 | 1898 | 1392 | 1004 | 719 | 510 | 349 | 230 | 147 | 94 | 64 | 50 | 41 | 36 |
| 100% | 99% | 92% | 84% | 73% | 61% | 49% | 37% | 27% | 20% | 14% | 10% | 7% | 4% | 3% | 2% | 1% | 1% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5133 | 5019 | 4726 | 4279 | 3747 | 3175 | 2578 | 1977 | 1469 | 1092 | 796 | 555 | 352 | 212 | 122 | 70 | 46 | 38 | 33 | 31 |
| 100% | 98% | 92% | 83% | 73% | 62% | 50% | 39% | 29% | 21% | 16% | 11% | 7% | 4% | 2% | 1% | 1% | 1% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5133 | 5000 | 4696 | 4259 | 3720 | 3136 | 2523 | 1934 | 1416 | 1027 | 750 | 519 | 333 | 194 | 107 | 67 | 48 | 39 | 34 | 31 |
| 100% | 97% | 91% | 83% | 72% | 61% | 49% | 38% | 28% | 20% | 15% | 10% | 6% | 4% | 2% | 1% | 1% | 1% | 1% | 1% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 23.8° | 44.1° | 55.8° | 98.3% | 96.1% |