

Light efficiency:

105 Lumen/Watt

Light quality:

CRI: 81.9

Color temperature:

3030 K

Output: 1275 lm

Peak: 2397 cd

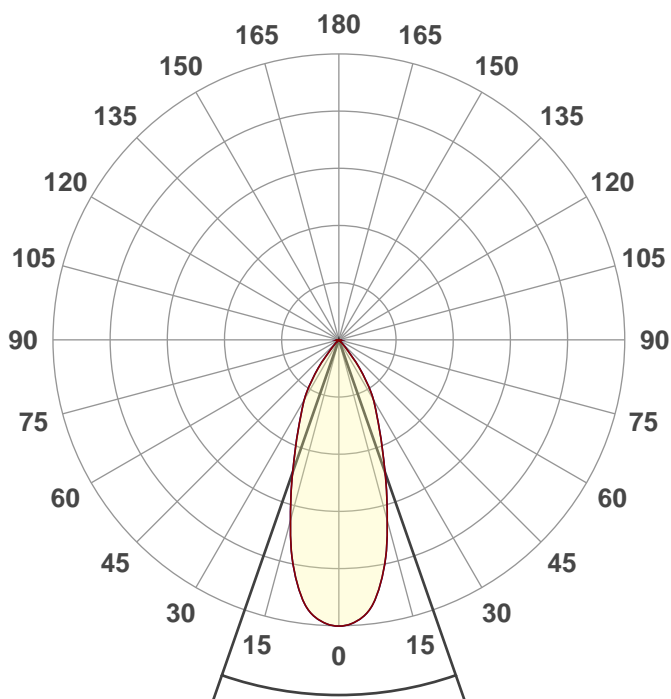
Power: 12.2 W

PF: 0.96



NU3-RD-SW-15LM-30K-80-40C-NL-120-DIM10-NC-WH-WH

Date and time:
11/9/2020 3:05:13 PM



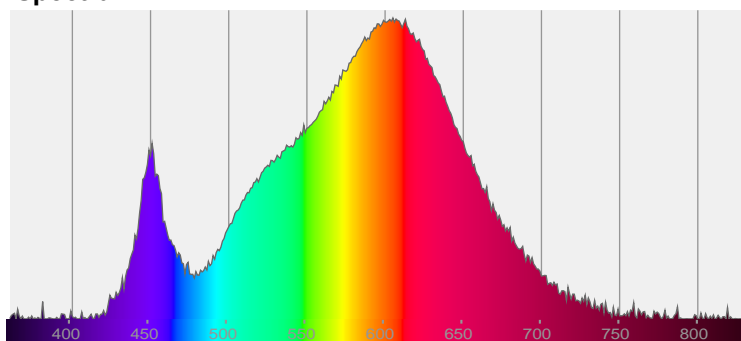
Beam angle

38.5°

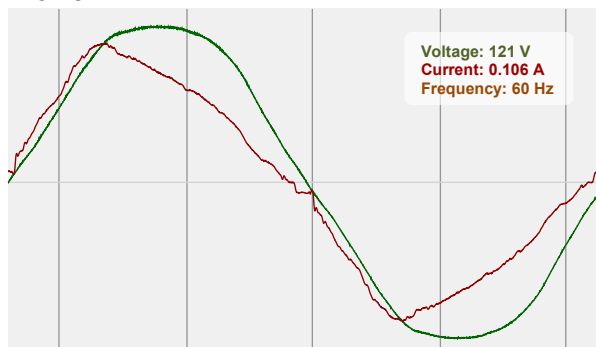


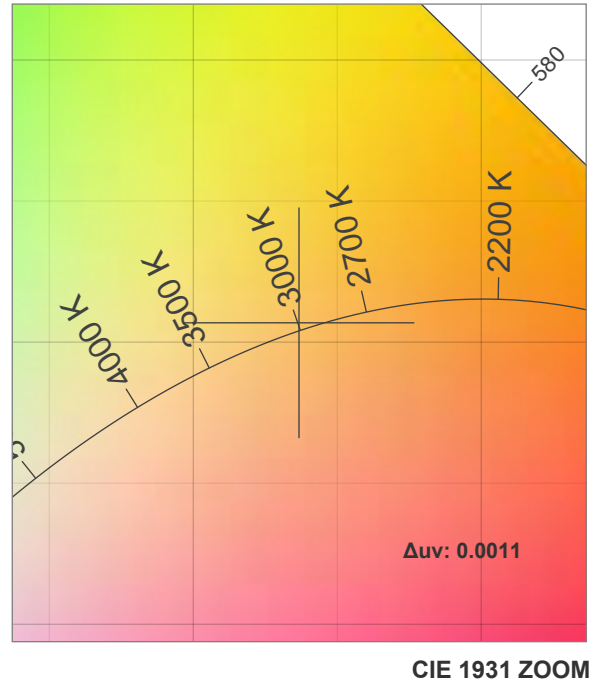
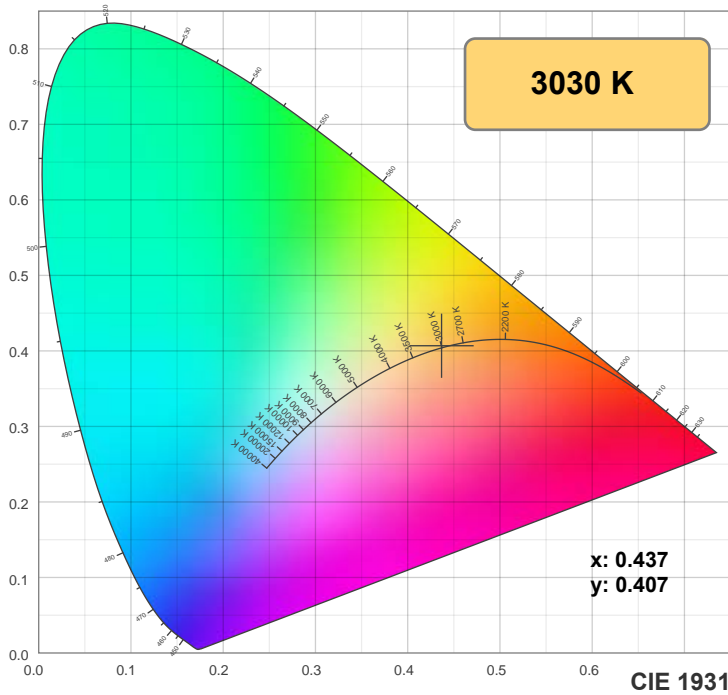
CIE 1931
x: 0.437
y: 0.407

Spectra

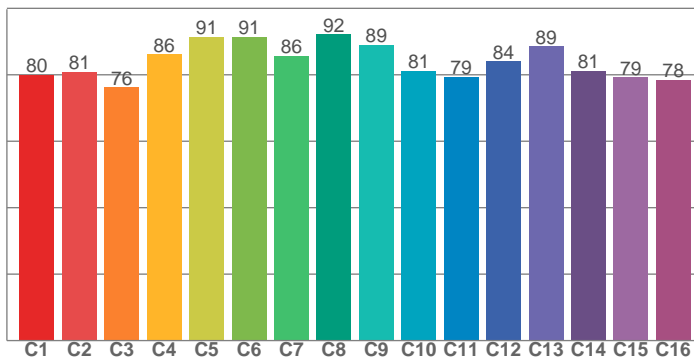


Power

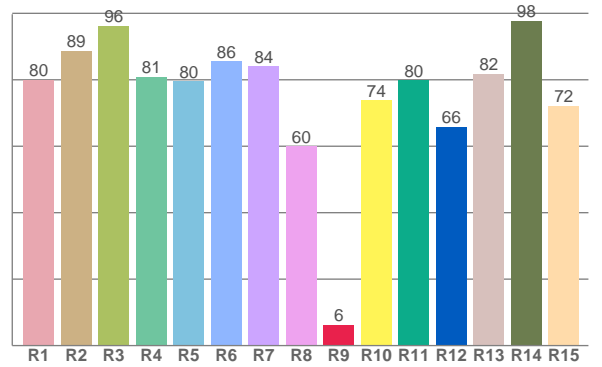




TM30: 84.0



CRI: 81.9 (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 | 88.7 | 96.3 | 80.9 | 79.5 | 85.7 | 84.1 | 60.0 | 6.3 | 73.9 | 79.8 | 65.9 | 81.8 | 97.8 | 72.1 |

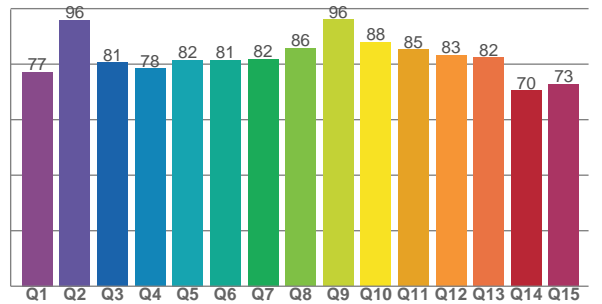
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.9 | 80.8 | 76.3 | 86.1 | 91.5 | 91.4 | 85.6 | 92.2 | 89.0 | 81.1 | 79.4 | 84.0 | 88.5 | 81.1 | 79.2 | 78.4 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.2 | 95.9 | 80.5 | 78.4 | 81.6 | 81.5 | 81.9 | 85.7 | 96.1 | 87.9 | 85.2 | 83.3 | 82.3 | 70.5 | 72.7 |

CQS: 81.3



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 |
| 3030 K | 81.9 | 6.3 | 84.0 | 96.8 | 81.3 | 0.437 | 0.407 | 0.249 | 0.348 | 0.0011 |

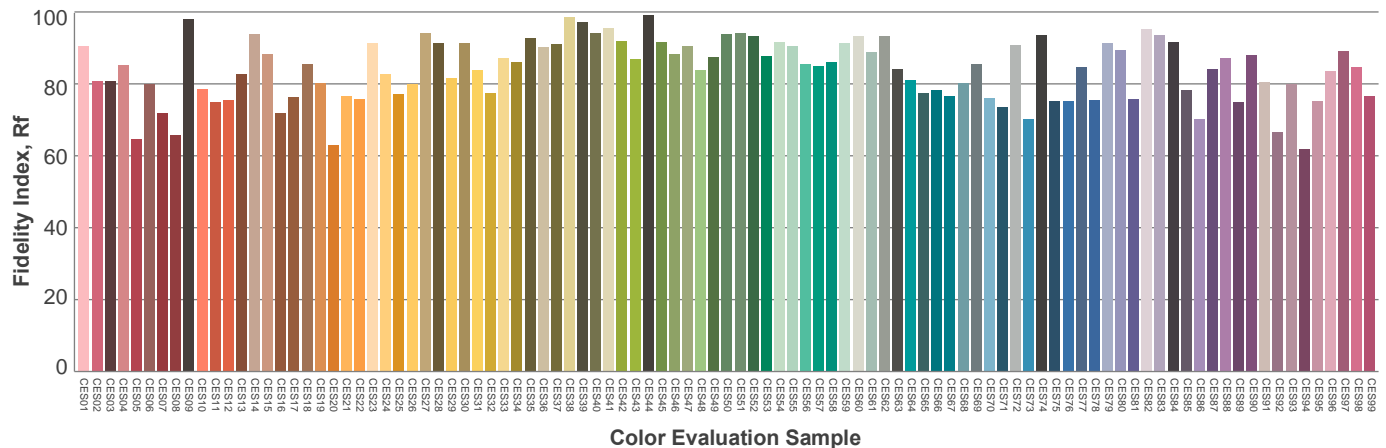
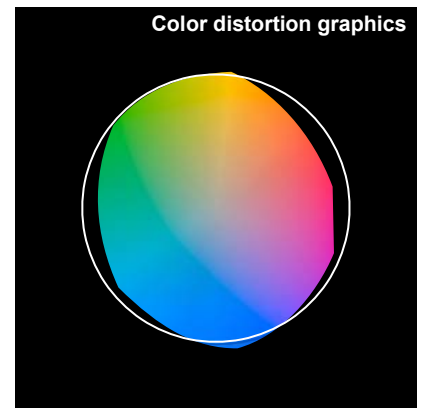
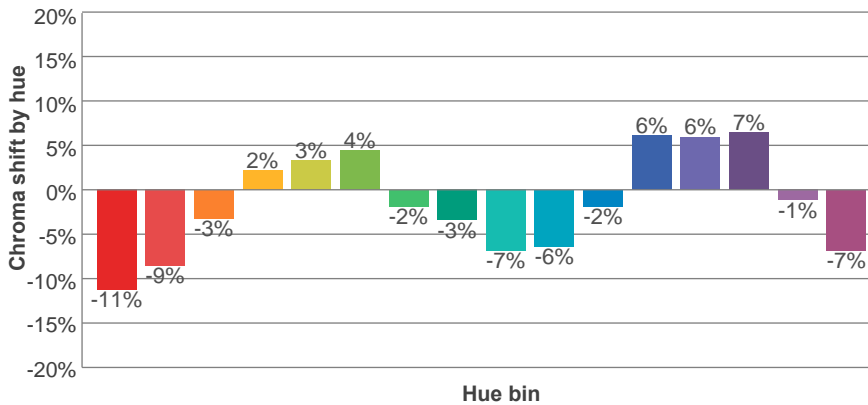
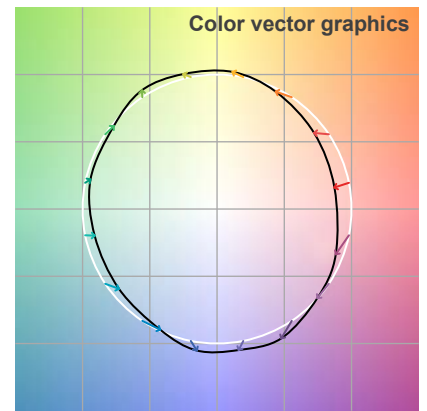
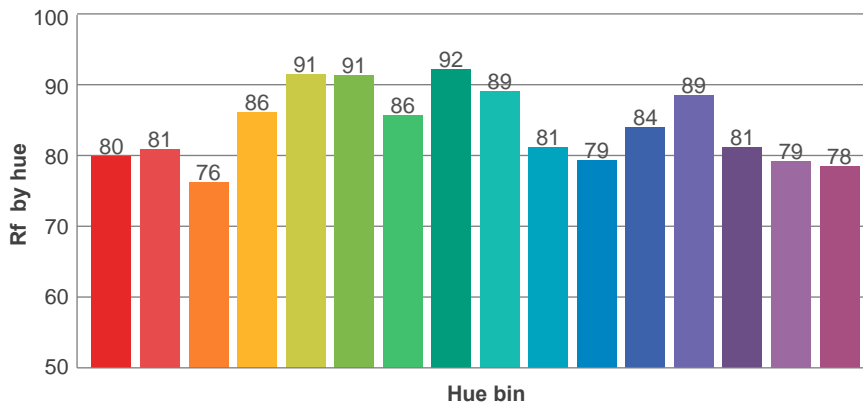
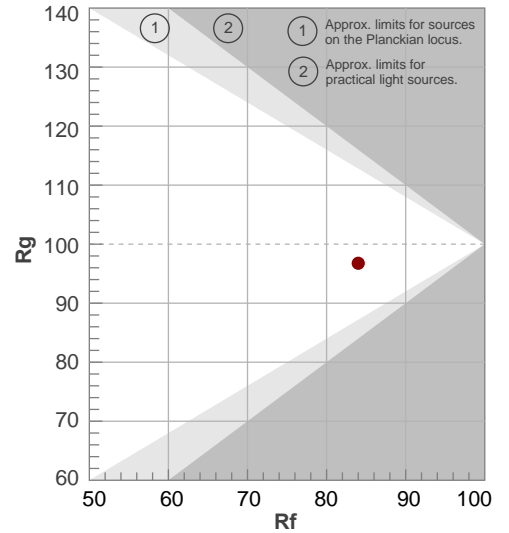
Rf 84.0

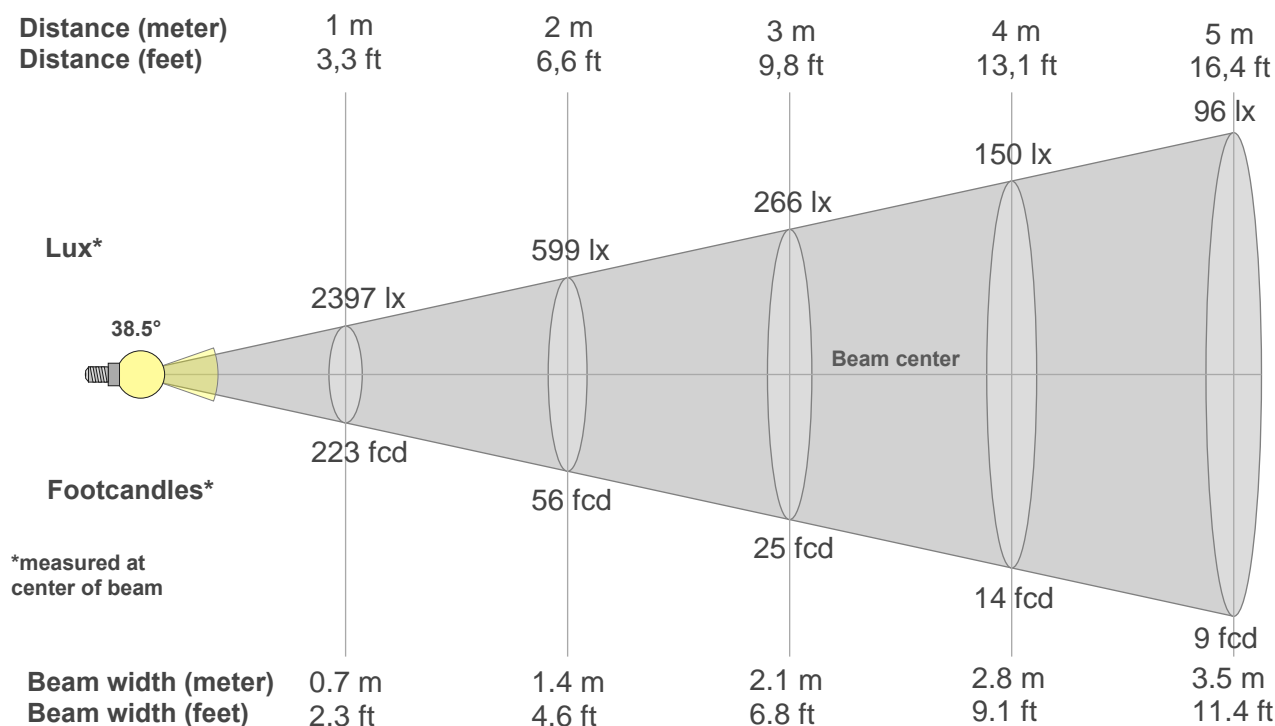
Fidelity index Rf

Rg 96.8

Gamut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 80 | -11% | -1% |
| 2 | 81 | -9% | 7% |
| 3 | 76 | -3% | 12% |
| 4 | 86 | 2% | 9% |
| 5 | 91 | 3% | 5% |
| 6 | 91 | 4% | -3% |
| 7 | 86 | -2% | -9% |
| 8 | 92 | -3% | -3% |
| 9 | 89 | -7% | 2% |
| 10 | 81 | -6% | 9% |
| 11 | 79 | -2% | 15% |
| 12 | 84 | 6% | 6% |
| 13 | 89 | 6% | -5% |
| 14 | 81 | 7% | -14% |
| 15 | 79 | -1% | -14% |
| 16 | 78 | -7% | -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 |
| 2397lx | 599lx | 266lx | 150lx | 96lx | 67lx | 49lx | 37lx | 30lx | 24lx | 20lx | 17lx | 14lx | 12lx | 11lx | 9lx | 8lx | 7lx | 7lx | 6lx |
| 222.7fcd | 55.7fcd | 24.7fcd | 13.9fcd | 8.9fcd | 6.2fcd | 4.5fcd | 3.5fcd | 2.7fcd | 2.2fcd | 1.8fcd | 1.5fcd | 1.3fcd | 1.1fcd | 1fcd | 0.9fcd | 0.8fcd | 0.7fcd | 0.6fcd | 0.6fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2397 | 2397 | 2351 | 2290 | 2197 | 2043 | 1889 | 1688 | 1484 | 1300 | 1134 | 976 | 863 | 750 | 661 | 581 | 495 | 399 | 302 | 214 |
| 100% | 100% | 98% | 96% | 92% | 85% | 79% | 70% | 62% | 54% | 47% | 41% | 36% | 31% | 28% | 24% | 21% | 17% | 13% | 9% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2397 | 2397 | 2351 | 2290 | 2197 | 2043 | 1889 | 1688 | 1484 | 1300 | 1134 | 976 | 863 | 750 | 661 | 581 | 495 | 399 | 302 | 214 |
| 100% | 100% | 98% | 96% | 92% | 85% | 79% | 70% | 62% | 54% | 47% | 41% | 36% | 31% | 28% | 24% | 21% | 17% | 13% | 9% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2397 | 2397 | 2351 | 2290 | 2197 | 2043 | 1889 | 1688 | 1484 | 1300 | 1134 | 976 | 863 | 750 | 661 | 581 | 495 | 399 | 302 | 214 |
| 100% | 100% | 98% | 96% | 92% | 85% | 79% | 70% | 62% | 54% | 47% | 41% | 36% | 31% | 28% | 24% | 21% | 17% | 13% | 9% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2397 | 2397 | 2351 | 2290 | 2197 | 2043 | 1889 | 1688 | 1484 | 1300 | 1134 | 976 | 863 | 750 | 661 | 581 | 495 | 399 | 302 | 214 |
| 100% | 100% | 98% | 96% | 92% | 85% | 79% | 70% | 62% | 54% | 47% | 41% | 36% | 31% | 28% | 24% | 21% | 17% | 13% | 9% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| {B_ANG}° | 74.8° | 84.9° | 99.0% | 98.5% |