

Light efficiency:

88 Lumen/Watt

Light quality:

CRI: 81.4

Color temperature:

3043 K

Output: 2435 lm

Peak: 4523 cd

Power: 27.7 W

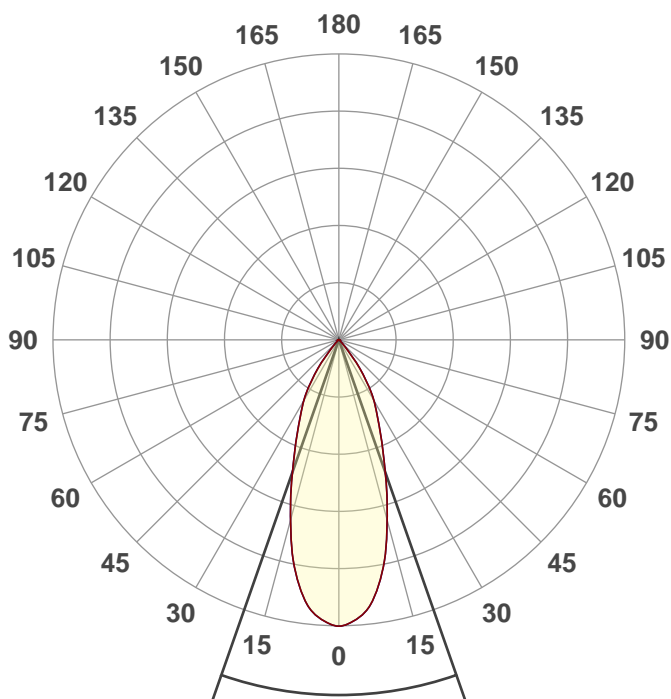
PF: 0.98



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

Date and time:

11/9/2020 8:55:19 AM



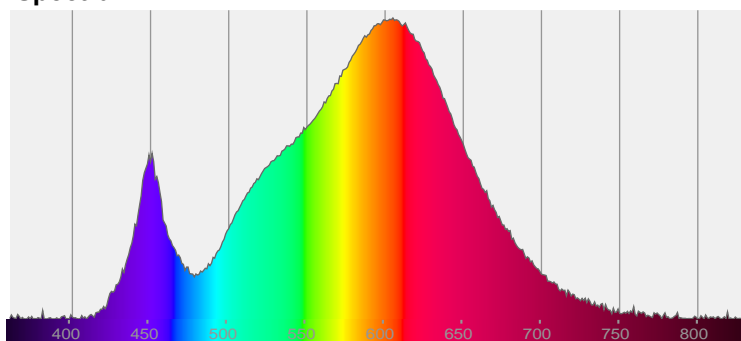
Beam angle

38.6°

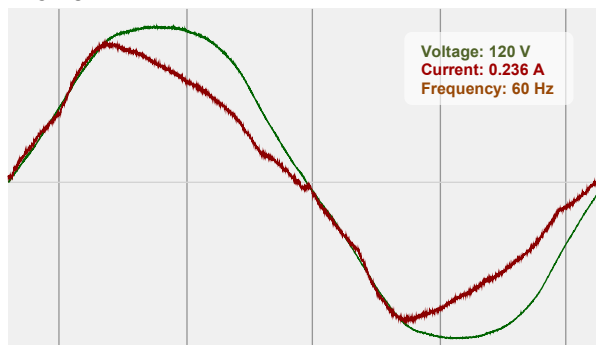


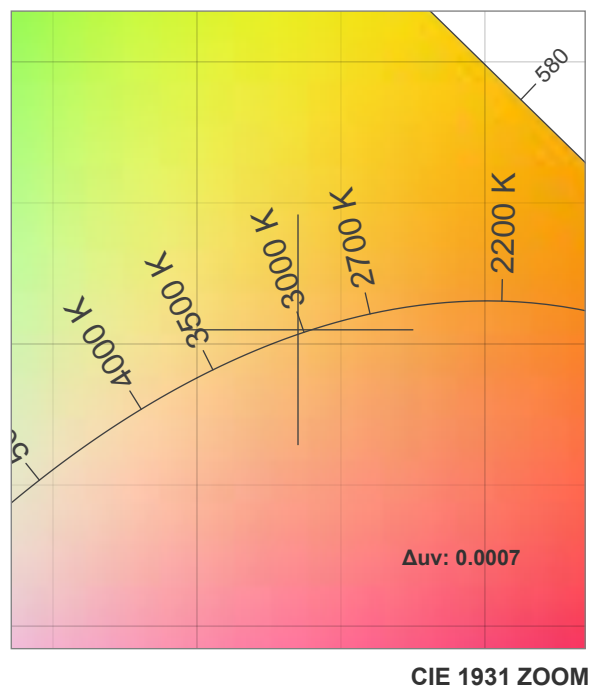
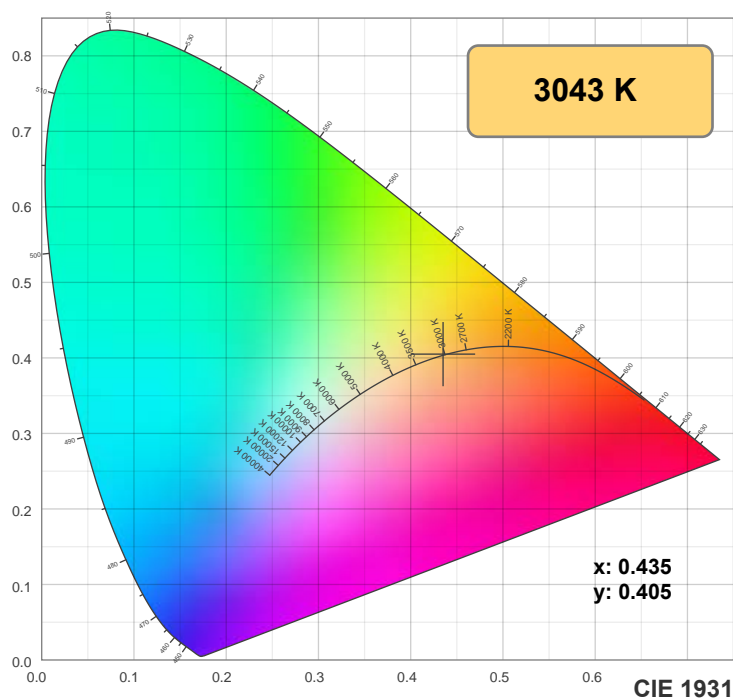
CIE 1931
x: 0.435
y: 0.405

Spectra

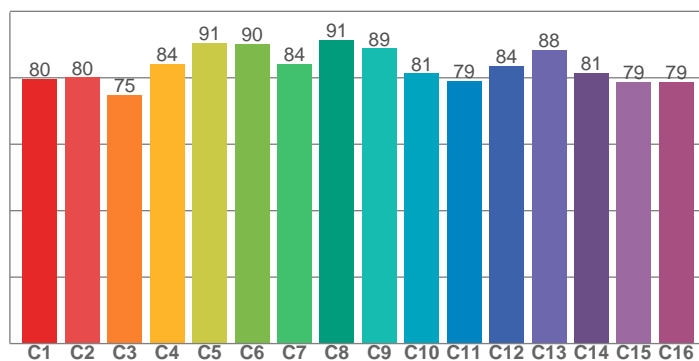


Power

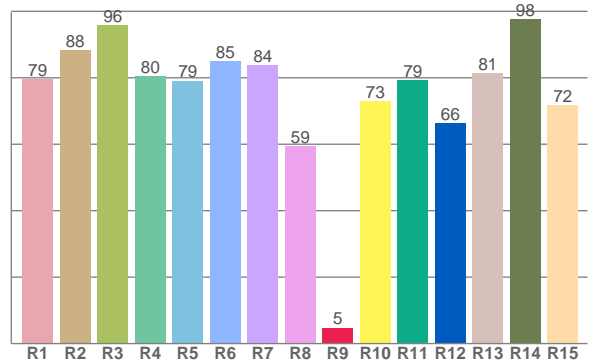




TM30: 83.4



CRI: 81.4 (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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 79.5 | 88.3 | 95.9 | 80.4 | 79.1 | 85.1 | 83.8 | 59.4 | 4.8 | 72.9 | 79.2 | 66.3 | 81.3 | 97.6 | 71.7 |

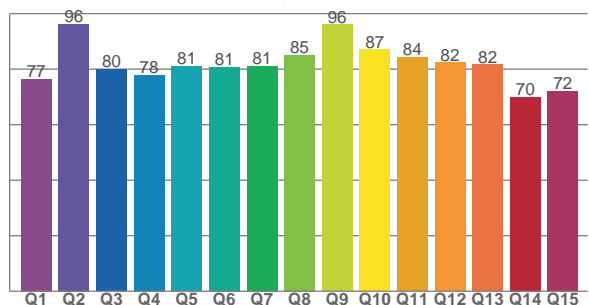
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.6 | 80.1 | 74.9 | 84.3 | 90.5 | 90.2 | 84.3 | 91.4 | 88.8 | 81.3 | 79.1 | 83.6 | 88.3 | 81.4 | 78.7 | 78.8 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 76.5 | 96.2 | 79.9 | 77.9 | 81.0 | 80.7 | 81.1 | 85.1 | 96.1 | 87.0 | 84.3 | 82.4 | 81.7 | 69.9 | 72.1 |

CQS: 80.7



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 |
| 3043 K | 81.4 | 4.8 | 83.4 | 97.1 | 80.7 | 0.435 | 0.405 | 0.249 | 0.348 | 0.0007 |

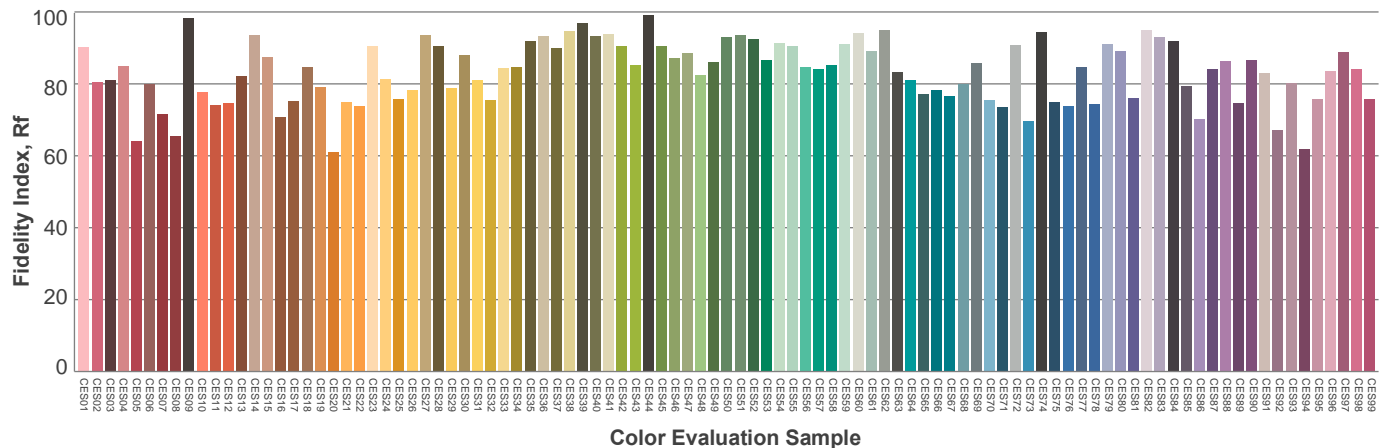
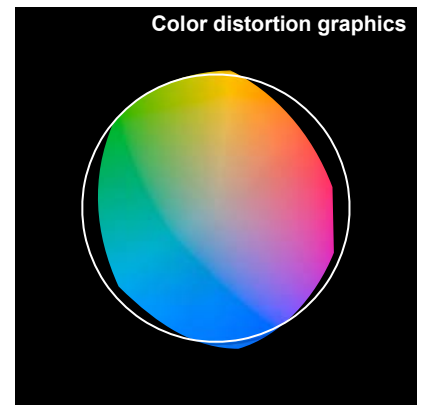
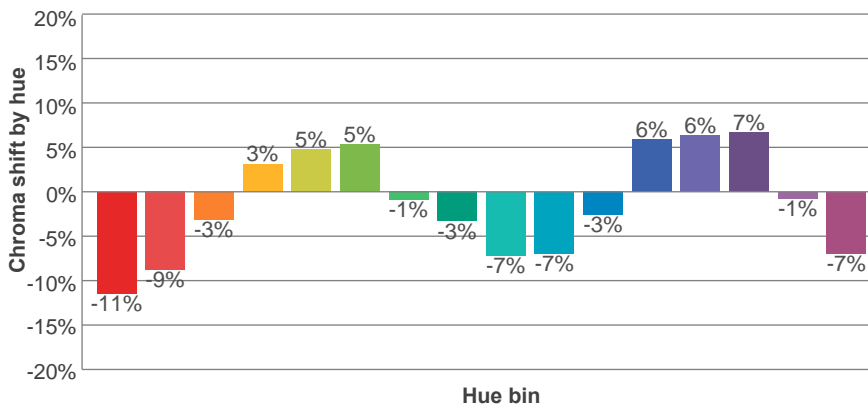
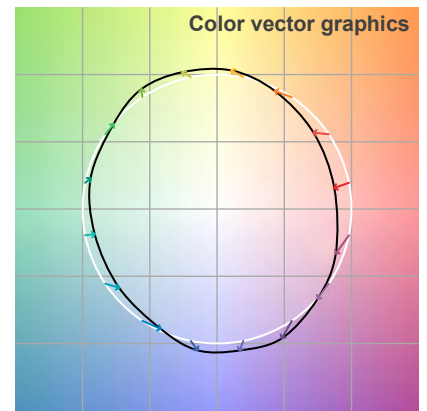
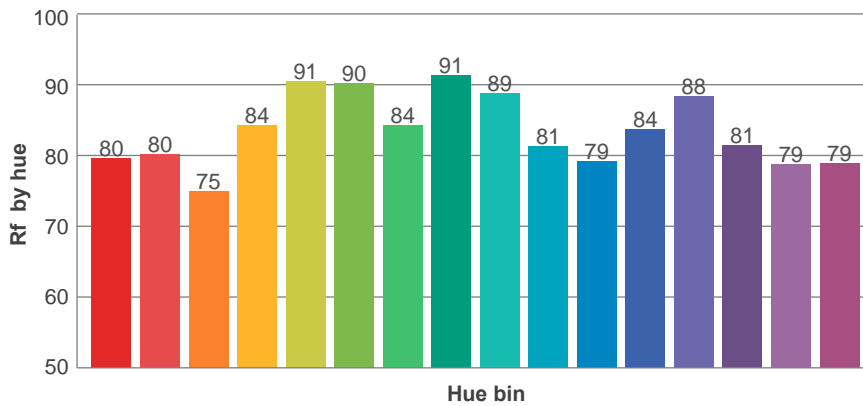
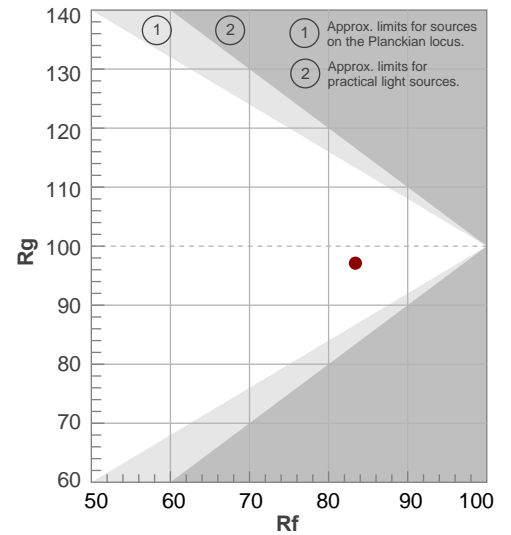
Rf 83.4

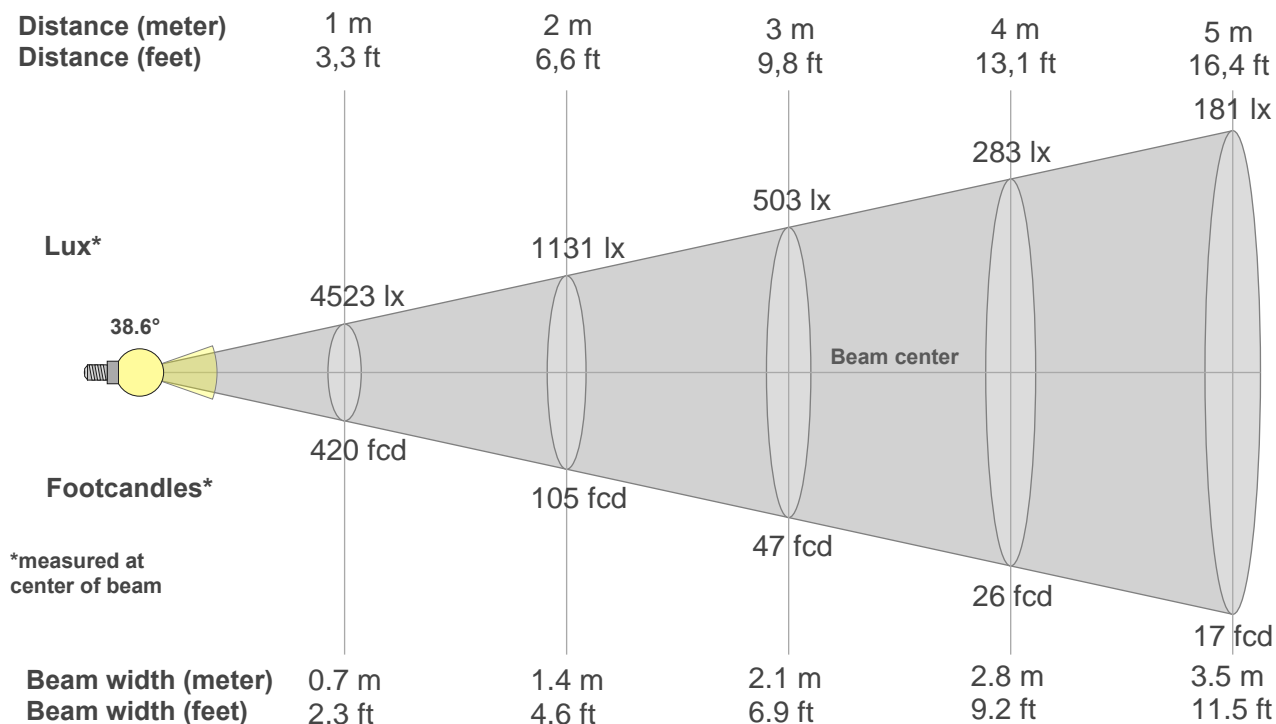
Fidelity index Rf

Rg 97.1

Gamut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 80 | -11% | -2% |
| 2 | 80 | -9% | 7% |
| 3 | 75 | -3% | 13% |
| 4 | 84 | 3% | 10% |
| 5 | 91 | 5% | 6% |
| 6 | 90 | 5% | -3% |
| 7 | 84 | -1% | -10% |
| 8 | 91 | -3% | -4% |
| 9 | 89 | -7% | 1% |
| 10 | 81 | -7% | 8% |
| 11 | 79 | -3% | 15% |
| 12 | 84 | 6% | 6% |
| 13 | 88 | 6% | -4% |
| 14 | 81 | 7% | -13% |
| 15 | 79 | -1% | -14% |
| 16 | 79 | -7% | -15% |





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 |
| 4523lx | 1131lx | 503lx | 283lx | 181lx | 126lx | 92lx | 71lx | 56lx | 45lx | 37lx | 31lx | 27lx | 23lx | 20lx | 18lx | 16lx | 14lx | 13lx | 11lx |
| 420.2fcd | 105fcd | 46.7fcd | 26.3fcd | 16.8fcd | 11.7fcd | 8.6fcd | 6.6fcd | 5.2fcd | 4.2fcd | 3.5fcd | 2.9fcd | 2.5fcd | 2.1fcd | 1.9fcd | 1.6fcd | 1.5fcd | 1.3fcd | 1.2fcd | 1.1fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 4523 | 4514 | 4403 | 4292 | 4083 | 3813 | 3528 | 3162 | 2797 | 2469 | 2155 | 1866 | 1650 | 1434 | 1266 | 1112 | 948 | 767 | 586 | 423 |
| 100% | 100% | 97% | 95% | 90% | 84% | 78% | 70% | 62% | 55% | 48% | 41% | 36% | 32% | 28% | 25% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 4523 | 4514 | 4403 | 4292 | 4083 | 3813 | 3528 | 3162 | 2797 | 2469 | 2155 | 1866 | 1650 | 1434 | 1266 | 1112 | 948 | 767 | 586 | 423 |
| 100% | 100% | 97% | 95% | 90% | 84% | 78% | 70% | 62% | 55% | 48% | 41% | 36% | 32% | 28% | 25% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 4523 | 4514 | 4403 | 4292 | 4083 | 3813 | 3528 | 3162 | 2797 | 2469 | 2155 | 1866 | 1650 | 1434 | 1266 | 1112 | 948 | 767 | 586 | 423 |
| 100% | 100% | 97% | 95% | 90% | 84% | 78% | 70% | 62% | 55% | 48% | 41% | 36% | 32% | 28% | 25% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 4523 | 4514 | 4403 | 4292 | 4083 | 3813 | 3528 | 3162 | 2797 | 2469 | 2155 | 1866 | 1650 | 1434 | 1266 | 1112 | 948 | 767 | 586 | 423 |
| 100% | 100% | 97% | 95% | 90% | 84% | 78% | 70% | 62% | 55% | 48% | 41% | 36% | 32% | 28% | 25% | 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}° | 75.3° | 86.3° | 99.0% | 98.2% |