

Light efficiency:

86 Lumen/Watt

Light quality:

CRI: 81.3

Color temperature:

3035 K

Output: 2372 lm

Peak: 3630 cd

Power: 27.6 W

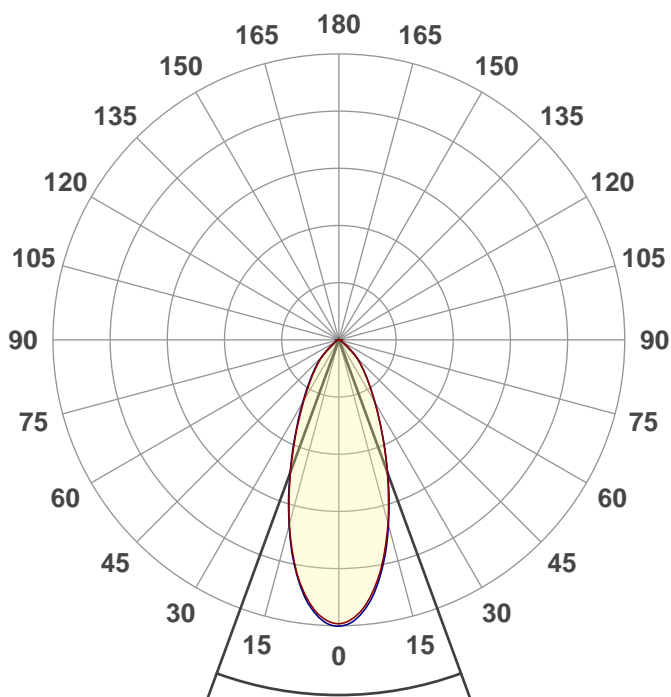
PF: 0.98



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

Date and time:

11/9/2020 9:28:17 AM



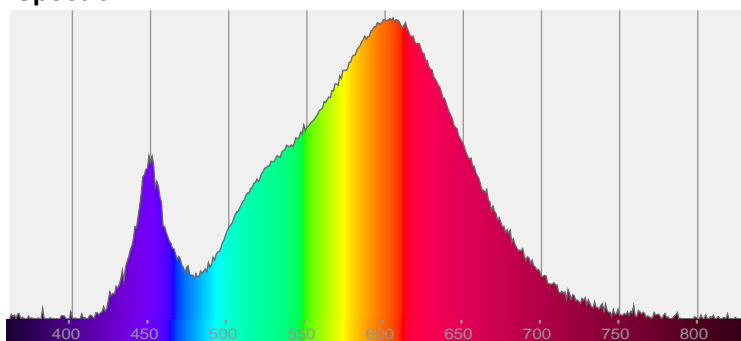
Beam angle

40.2°

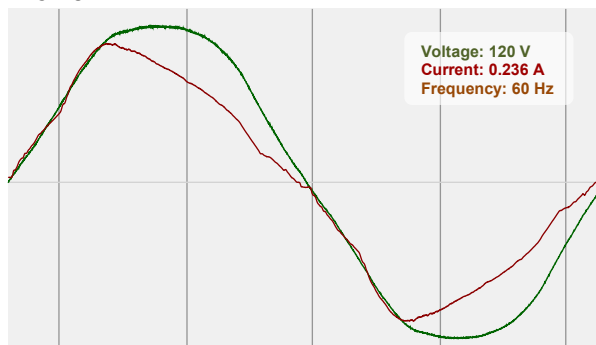


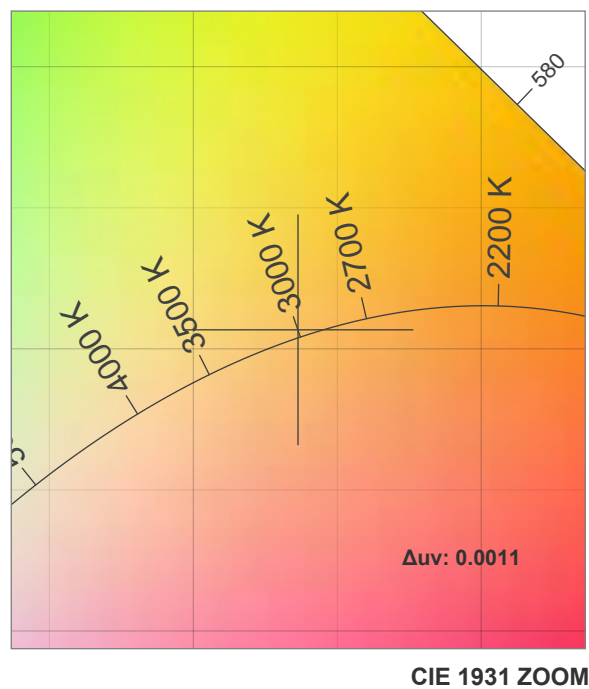
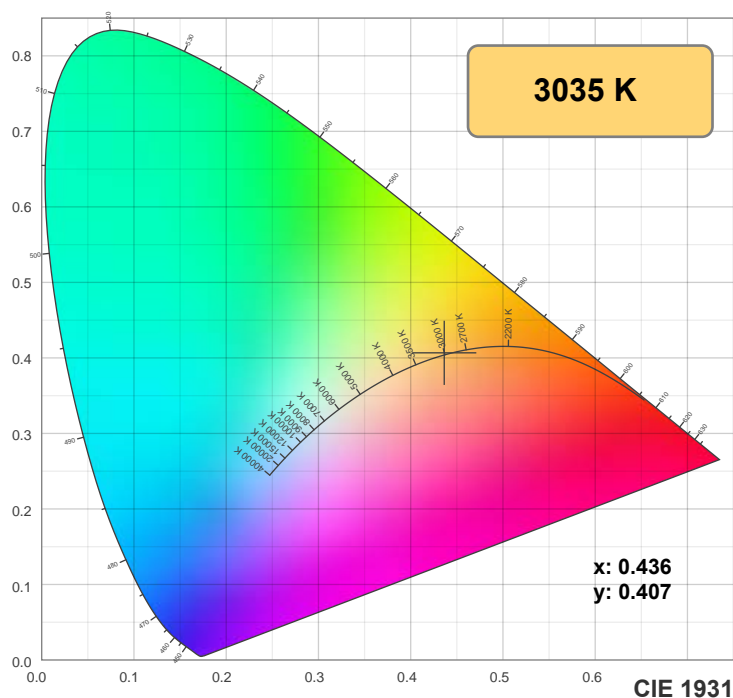
CIE 1931
x: 0.436
y: 0.407

Spectra

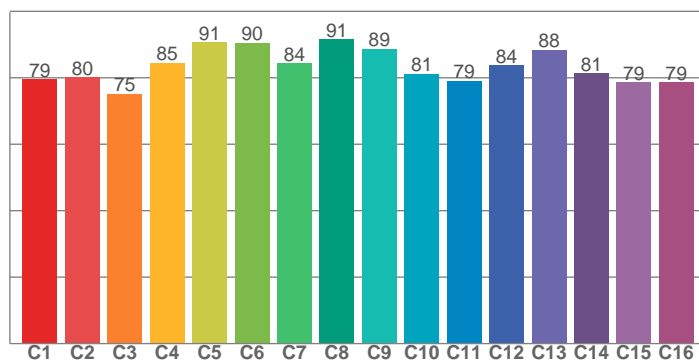


Power

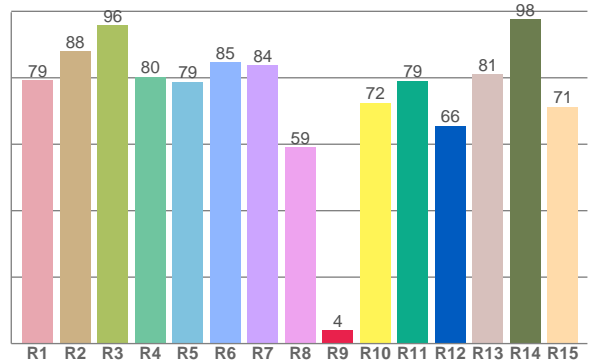




TM30: 83.4



CRI: 81.3 (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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 79.3 | 88.1 | 95.9 | 80.3 | 78.8 | 84.8 | 83.9 | 59.2 | 4.0 | 72.5 | 79.1 | 65.5 | 81.1 | 97.5 | 71.3 |

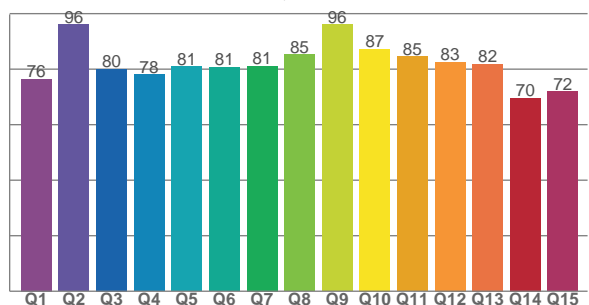
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.5 | 80.1 | 75.1 | 84.5 | 90.7 | 90.5 | 84.4 | 91.5 | 88.7 | 81.2 | 79.1 | 83.7 | 88.4 | 81.3 | 78.6 | 78.7 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 76.5 | 96.1 | 80.1 | 78.0 | 81.0 | 80.6 | 81.2 | 85.3 | 96.1 | 87.2 | 84.6 | 82.6 | 81.8 | 69.7 | 71.9 |

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 |
| 3035 K | 81.3 | 4.0 | 83.4 | 96.9 | 80.7 | 0.436 | 0.407 | 0.249 | 0.348 | 0.0011 |

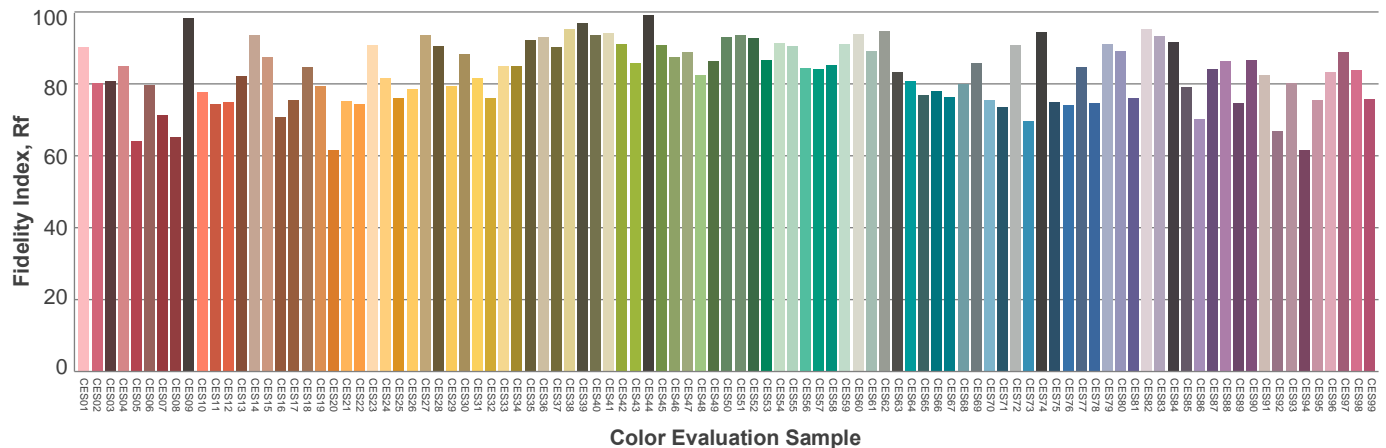
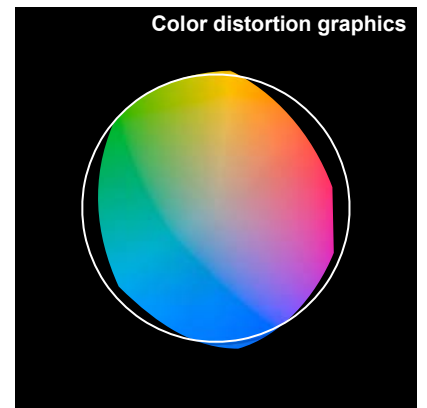
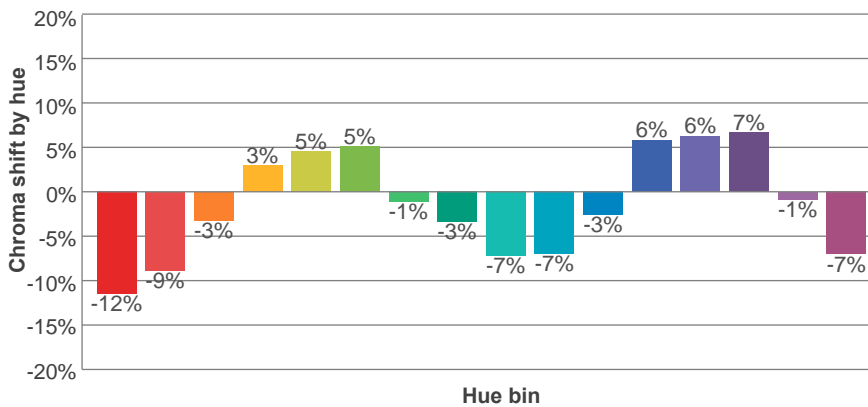
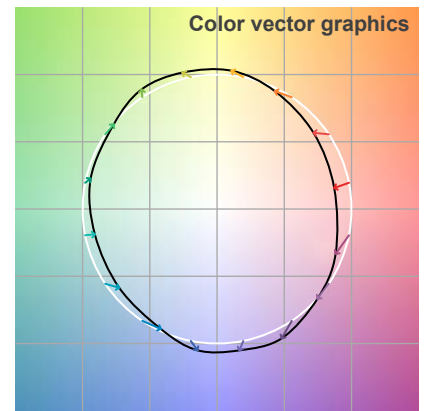
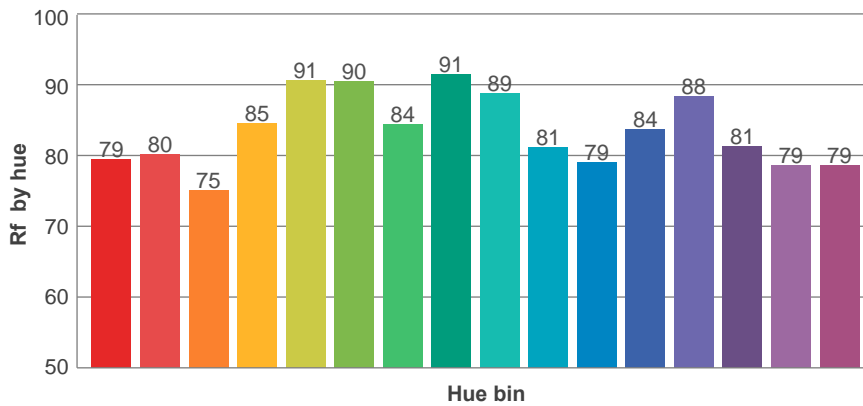
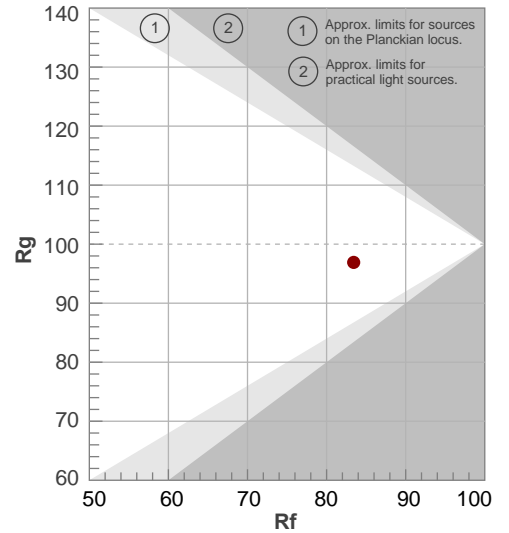
Rf 83.4

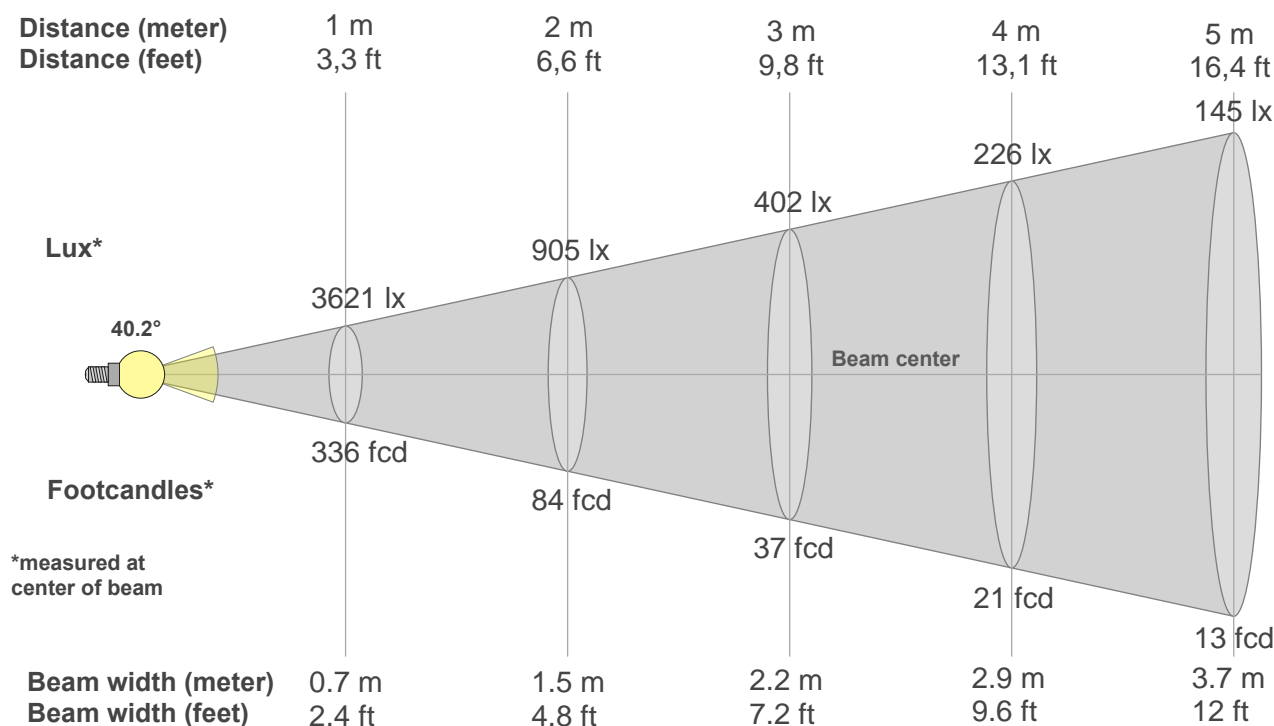
Fidelity index Rf

Rg 96.9

Gamut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 79 | -12% | -2% |
| 2 | 80 | -9% | 7% |
| 3 | 75 | -3% | 13% |
| 4 | 85 | 3% | 10% |
| 5 | 91 | 5% | 5% |
| 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% | -14% |
| 15 | 79 | -1% | -14% |
| 16 | 79 | -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 |
| 3621lx | 905lx | 402lx | 226lx | 145lx | 101lx | 74lx | 57lx | 45lx | 36lx | 30lx | 25lx | 21lx | 18lx | 16lx | 14lx | 13lx | 11lx | 10lx | 9lx |
| 336.4fcd | 84.1fcd | 37.4fcd | 21fcd | 13.5fcd | 9.3fcd | 6.9fcd | 5.3fcd | 4.2fcd | 3.4fcd | 2.8fcd | 2.3fcd | 2fcd | 1.7fcd | 1.5fcd | 1.3fcd | 1.2fcd | 1fcd | 0.9fcd | 0.8fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|
| 3621 | 3561 | 3489 | 3369 | 3195 | 3018 | 2782 | 2545 | 2303 | 2057 | 1817 | 1607 | 1398 | 1227 | 1070 | 927 | 816 | 705 | 622 | 544 |
| 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 64% | 57% | 50% | 44% | 39% | 34% | 30% | 26% | 23% | 19% | 17% | 15% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|
| 3621 | 3614 | 3524 | 3400 | 3251 | 3037 | 2823 | 2575 | 2321 | 2074 | 1838 | 1602 | 1412 | 1224 | 1065 | 932 | 802 | 709 | 616 | 539 |
| 100% | 100% | 97% | 94% | 90% | 84% | 78% | 71% | 64% | 57% | 51% | 44% | 39% | 34% | 29% | 26% | 22% | 20% | 17% | 15% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|
| 3621 | 3566 | 3511 | 3386 | 3222 | 3043 | 2805 | 2567 | 2315 | 2060 | 1817 | 1597 | 1377 | 1207 | 1042 | 901 | 788 | 675 | 596 | 516 |
| 100% | 98% | 97% | 93% | 89% | 84% | 77% | 71% | 64% | 57% | 50% | 44% | 38% | 33% | 29% | 25% | 22% | 19% | 16% | 14% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|
| 3621 | 3629 | 3530 | 3415 | 3259 | 3047 | 2836 | 2581 | 2326 | 2079 | 1838 | 1604 | 1414 | 1224 | 1071 | 935 | 809 | 713 | 618 | 543 |
| 100% | 100% | 97% | 94% | 90% | 84% | 78% | 71% | 64% | 57% | 51% | 44% | 39% | 34% | 30% | 26% | 22% | 20% | 17% | 15% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| {B_ANG}° | 86.9° | 108.9° | 98.0% | 90.5% |