

Light efficiency:

86 Lumen/Watt

Light quality:

CRI: 84.6

Color temperature:

3035 K

Output: 1348 lm

Peak: 2688 cd

Power: 15.7 W

PF: 1.0

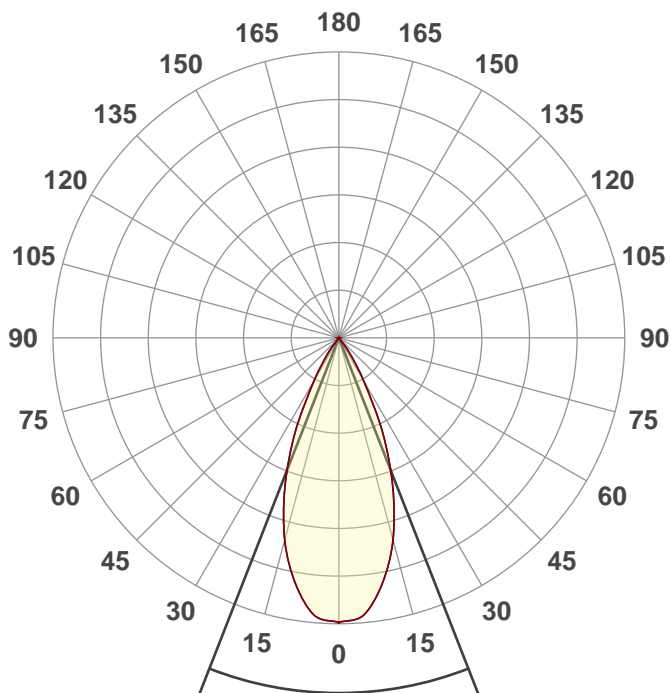


Product name:

A25-4-RH-SW-20LM-30K-80-BKS40-SMT-CAS-WH

Date and time:

2/20/2019 1:55:00 PM



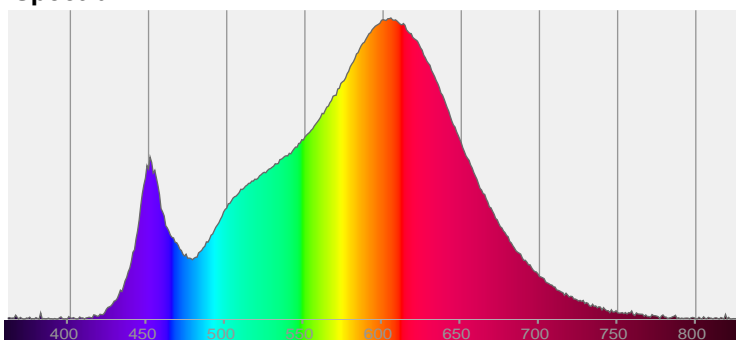
Beam angle

42.8°

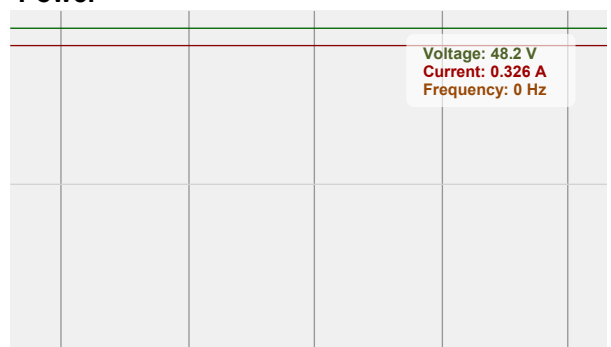


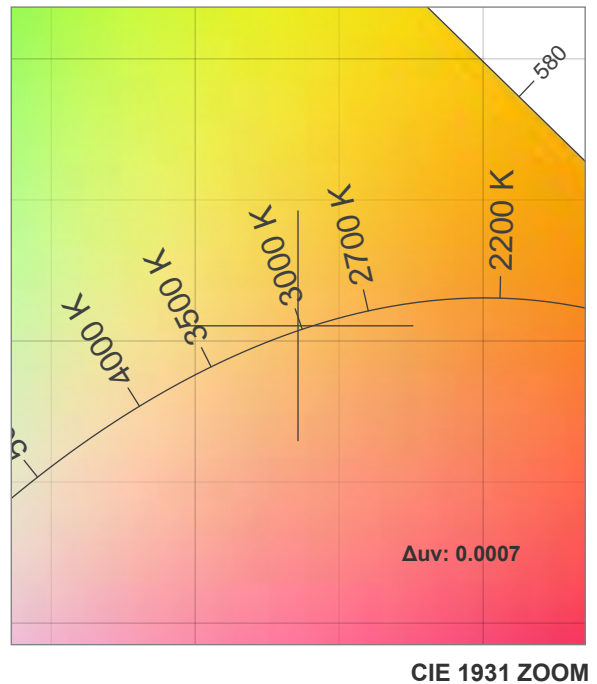
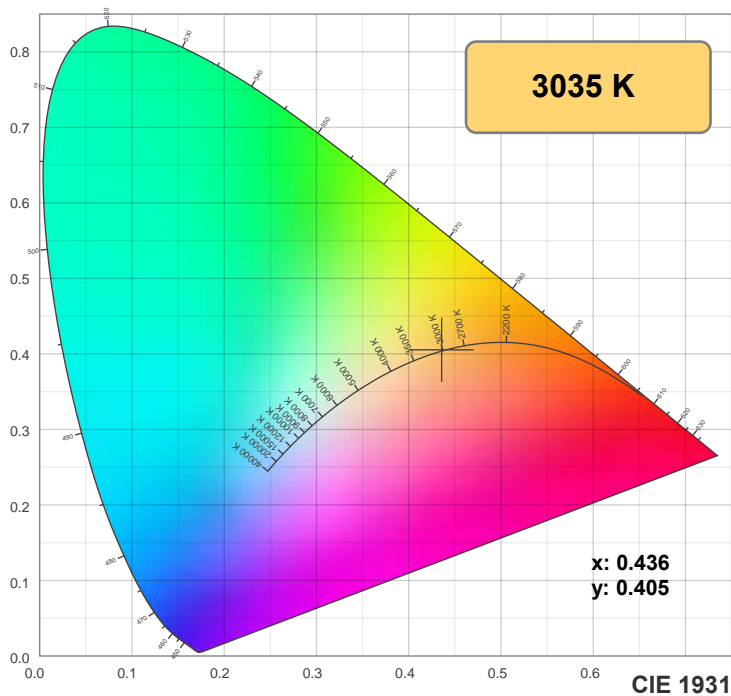
CIE 1931
x: 0.436
y: 0.405

Spectra

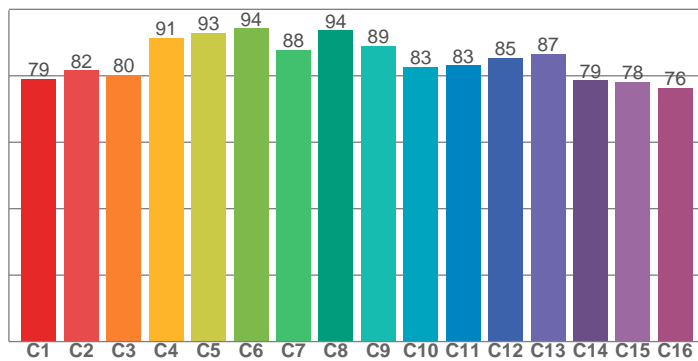


Power

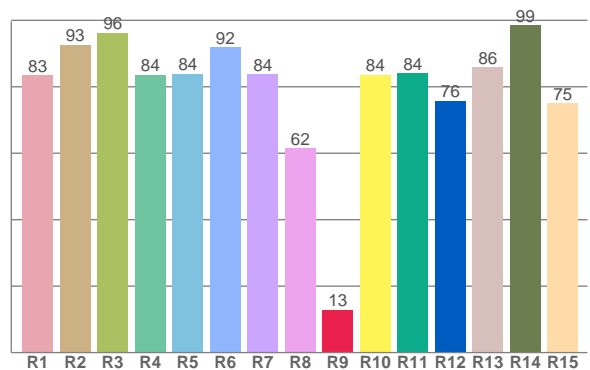




TM30: 85.2



CRI: 84.6 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.4 | 92.7 | 96.3 | 83.6 | 83.9 | 91.9 | 83.7 | 61.6 | 12.9 | 83.6 | 84.1 | 75.8 | 85.8 | 98.6 | 75.0 |

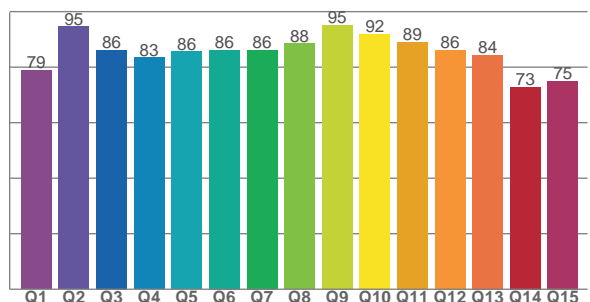
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.1 | 81.6 | 80.2 | 91.4 | 92.9 | 94.3 | 87.9 | 93.7 | 89.1 | 82.6 | 83.1 | 85.5 | 86.6 | 78.6 | 78.2 | 76.3 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 78.8 | 94.6 | 86.1 | 83.4 | 85.6 | 86.2 | 86.1 | 88.5 | 95.1 | 92.0 | 89.0 | 86.2 | 84.4 | 72.9 | 74.9 |

CQS: 84.2



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 |
| 3035 K | 84.6 | 12.9 | 85.2 | 95.6 | 84.2 | 0.436 | 0.405 | 0.249 | 0.348 | 0.0007 |

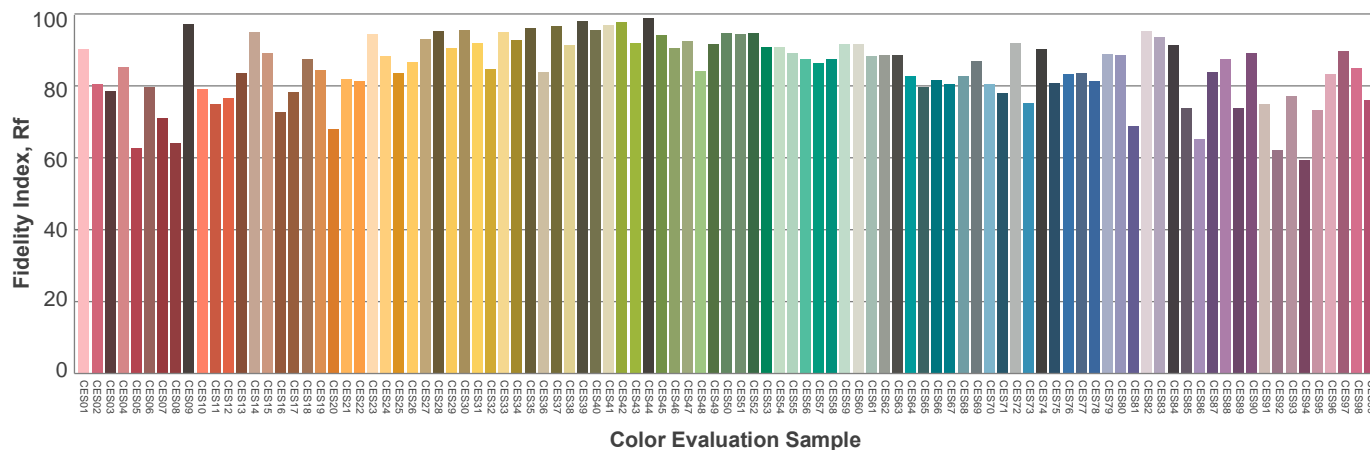
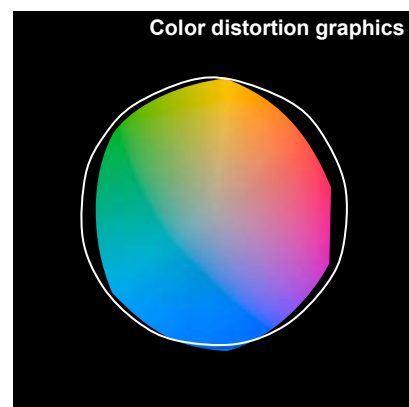
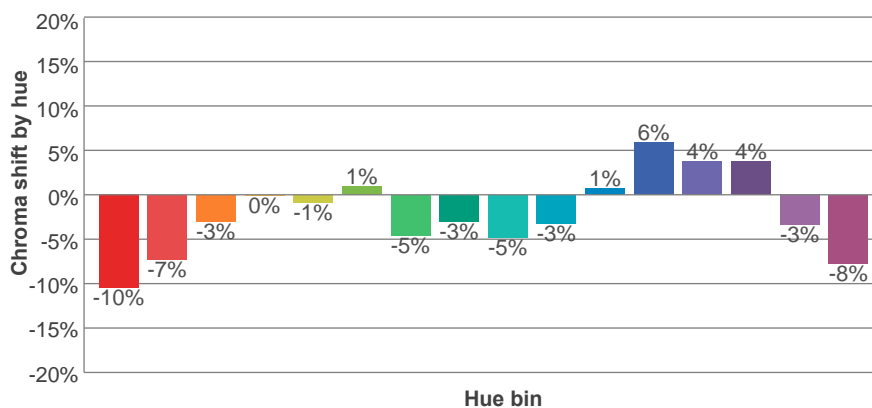
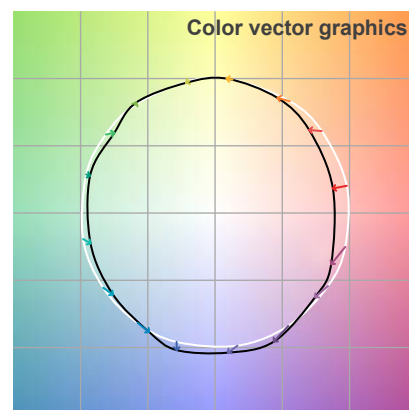
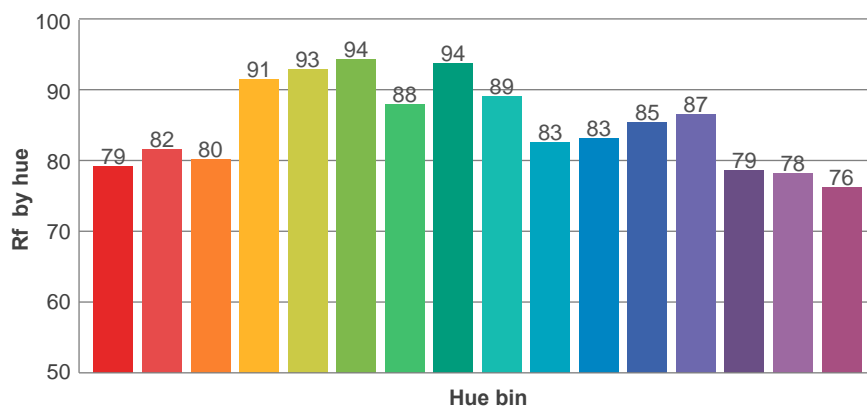
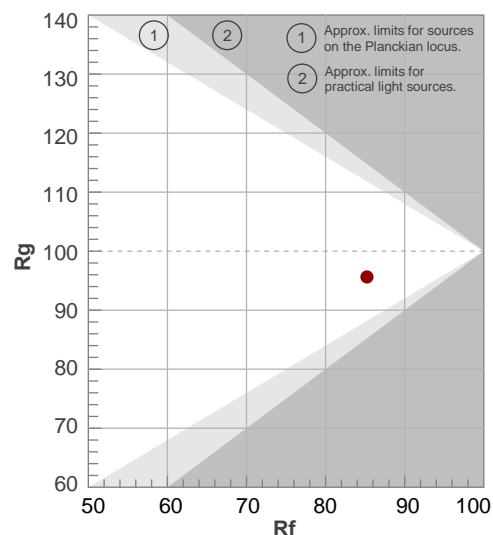
Rf 85.2

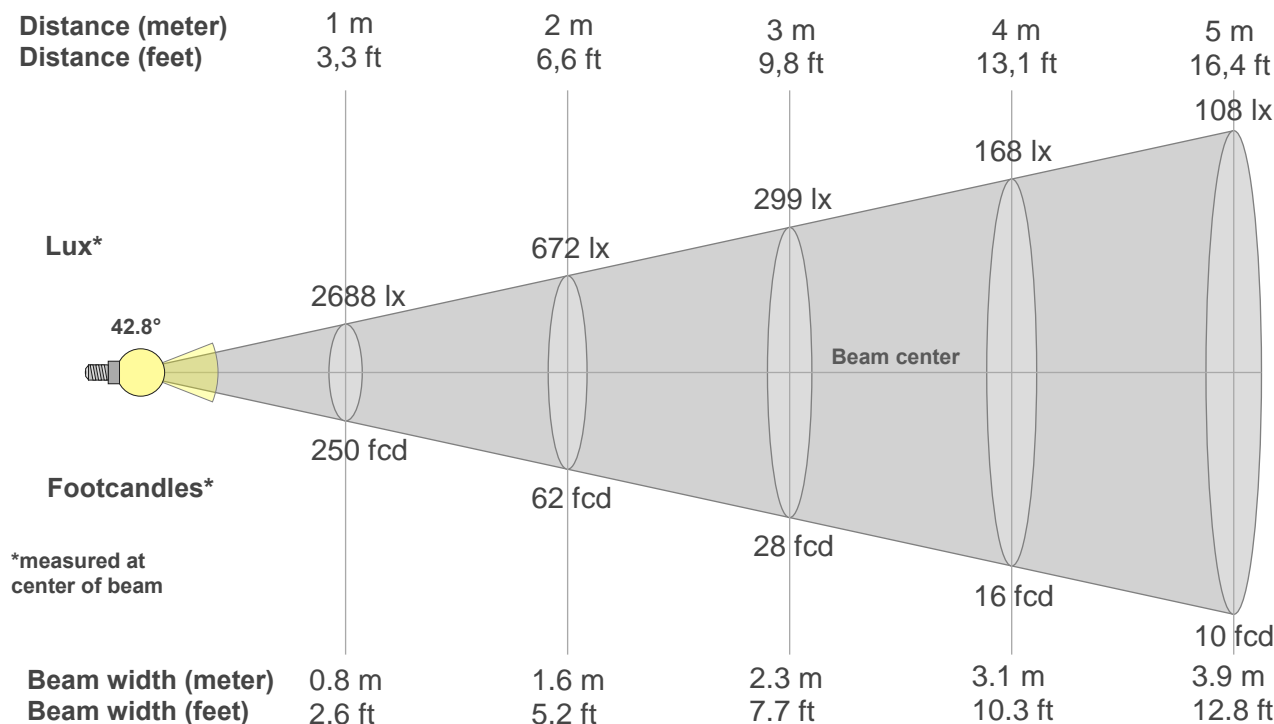
Fidelity index Rf

Rg 95.6

Gamut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 79 | -10% | 0% |
| 2 | 82 | -7% | 6% |
| 3 | 80 | -3% | 9% |
| 4 | 91 | 0% | 4% |
| 5 | 93 | -1% | 3% |
| 6 | 94 | 1% | -2% |
| 7 | 88 | -5% | -5% |
| 8 | 94 | -3% | 0% |
| 9 | 89 | -5% | 4% |
| 10 | 83 | -3% | 8% |
| 11 | 83 | 1% | 11% |
| 12 | 85 | 6% | 1% |
| 13 | 87 | 4% | -8% |
| 14 | 79 | 4% | -15% |
| 15 | 78 | -3% | -12% |
| 16 | 76 | -8% | -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 |
| 2688lx | 672lx | 299lx | 168lx | 108lx | 75lx | 55lx | 42lx | 33lx | 27lx | 22lx | 19lx | 16lx | 14lx | 12lx | 11lx | 9lx | 8lx | 7lx | 7lx |
| 249.7fcd | 62.4fcd | 27.7fcd | 15.6fcd | 10fcd | 6.9fcd | 5.1fcd | 3.9fcd | 3.1fcd | 2.5fcd | 2.1fcd | 1.7fcd | 1.5fcd | 1.3fcd | 1.1fcd | 1fcd | 0.9fcd | 0.8fcd | 0.7fcd | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2688 | 2668 | 2648 | 2582 | 2472 | 2361 | 2209 | 2057 | 1880 | 1685 | 1488 | 1280 | 1072 | 866 | 662 | 470 | 353 | 237 | 150 | 78 |
| 100% | 99% | 98% | 96% | 92% | 88% | 82% | 77% | 70% | 63% | 55% | 48% | 40% | 32% | 25% | 17% | 13% | 9% | 6% | 3% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2688 | 2668 | 2648 | 2582 | 2472 | 2361 | 2209 | 2057 | 1880 | 1685 | 1488 | 1280 | 1072 | 866 | 662 | 470 | 353 | 237 | 150 | 78 |
| 100% | 99% | 98% | 96% | 92% | 88% | 82% | 77% | 70% | 63% | 55% | 48% | 40% | 32% | 25% | 17% | 13% | 9% | 6% | 3% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2688 | 2668 | 2648 | 2582 | 2472 | 2361 | 2209 | 2057 | 1880 | 1685 | 1488 | 1280 | 1072 | 866 | 662 | 470 | 353 | 237 | 150 | 78 |
| 100% | 99% | 98% | 96% | 92% | 88% | 82% | 77% | 70% | 63% | 55% | 48% | 40% | 32% | 25% | 17% | 13% | 9% | 6% | 3% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2688 | 2668 | 2648 | 2582 | 2472 | 2361 | 2209 | 2057 | 1880 | 1685 | 1488 | 1280 | 1072 | 866 | 662 | 470 | 353 | 237 | 150 | 78 |
| 100% | 99% | 98% | 96% | 92% | 88% | 82% | 77% | 70% | 63% | 55% | 48% | 40% | 32% | 25% | 17% | 13% | 9% | 6% | 3% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 42.8° | 66.9° | 76.6° | 99.5% | 99.4% |