

Light efficiency:

76 Lumen/Watt

Light quality:

CRI: 81.4

Color temperature:

3046 K

Output: 2913 lm

Peak: 12812 cd

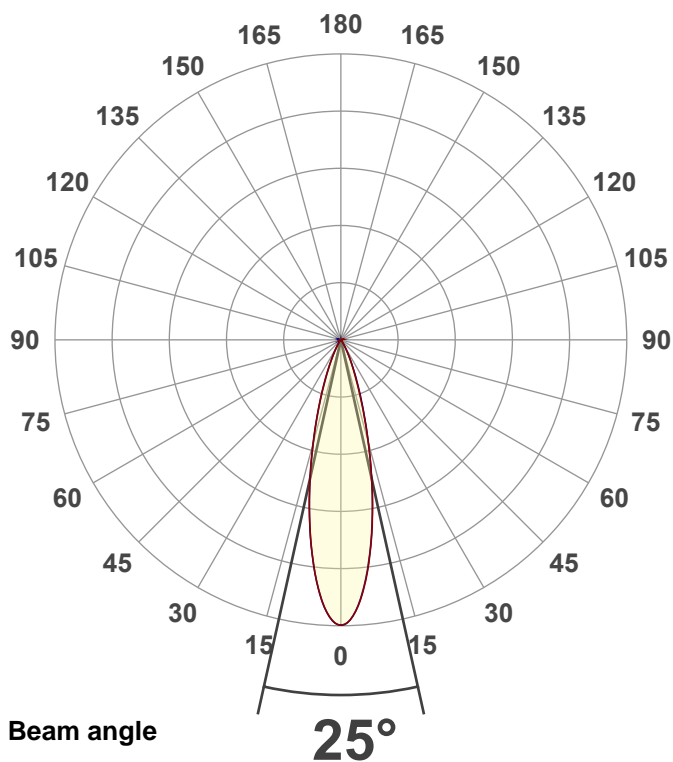
Power: 38.3 W

PF: 0.98



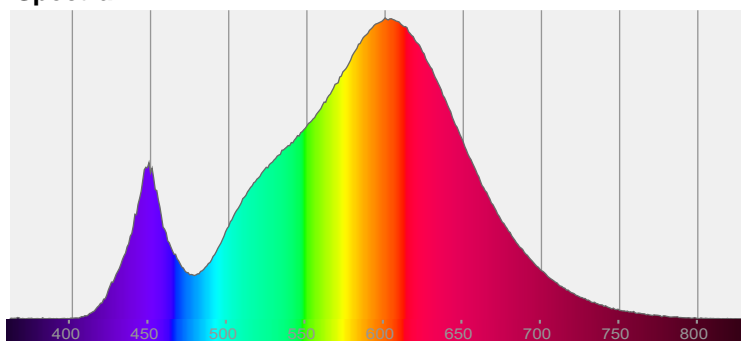
NU3-RA-SW-40LM-30K-80-25D-NA-NL-WH

Date and time:
6/1/2022 9:27:18 AM

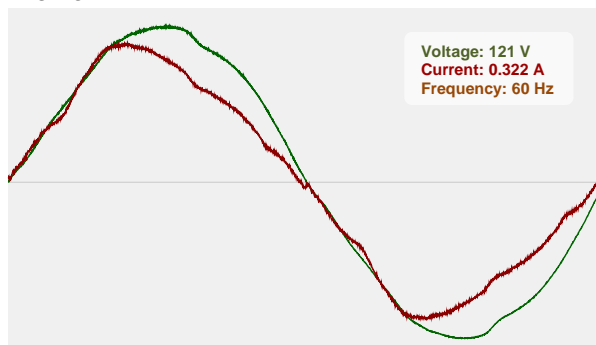


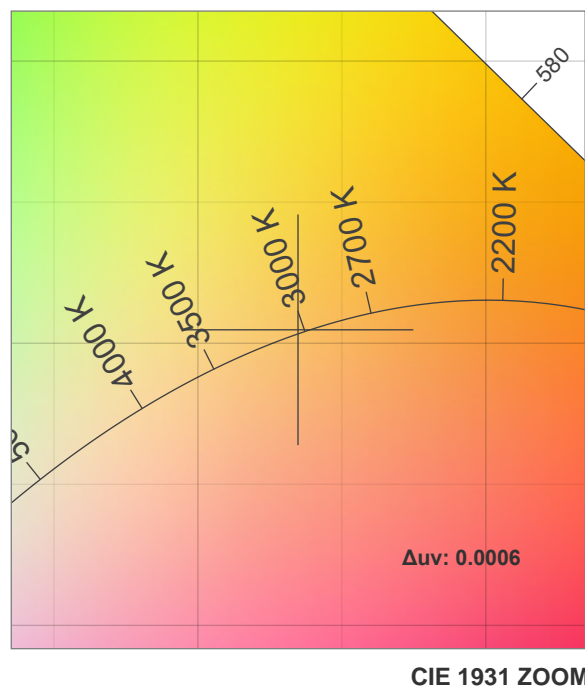
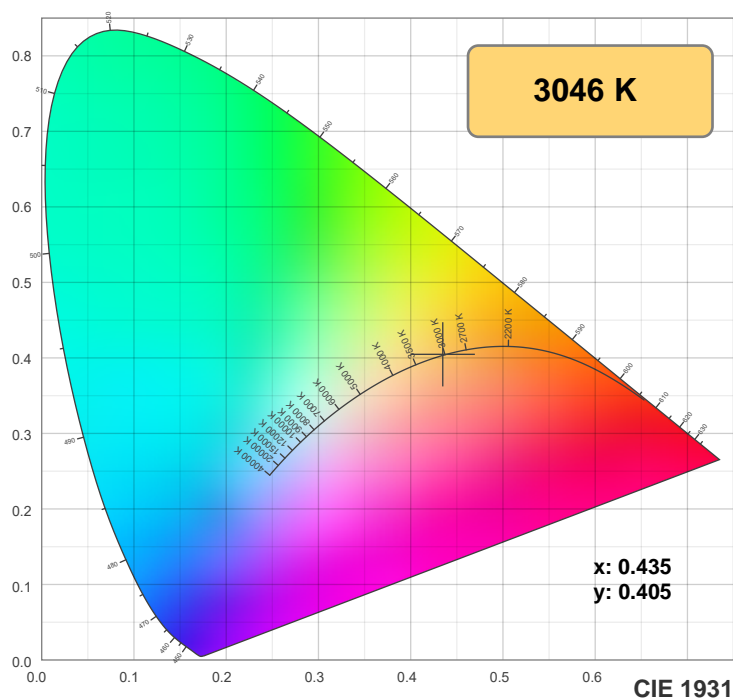
CIE 1931
x: 0.435
y: 0.405

Spectra

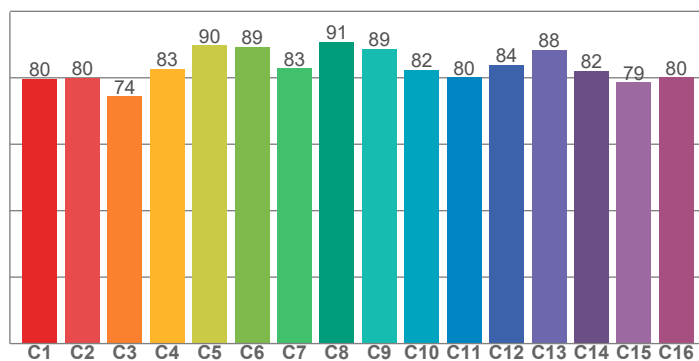


Power

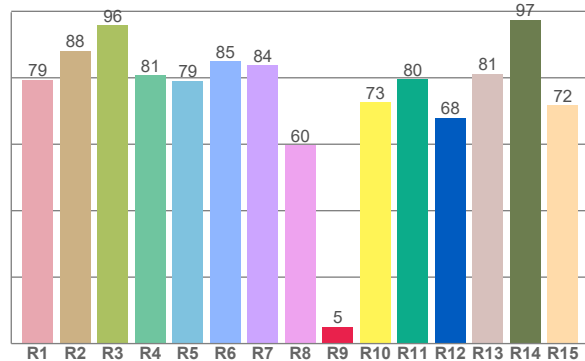




TM30: 83.3



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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 79.4 | 88.1 | 95.7 | 80.7 | 79.2 | 84.9 | 83.9 | 59.6 | 5.1 | 72.7 | 79.6 | 68.0 | 81.2 | 97.5 | 71.6 |

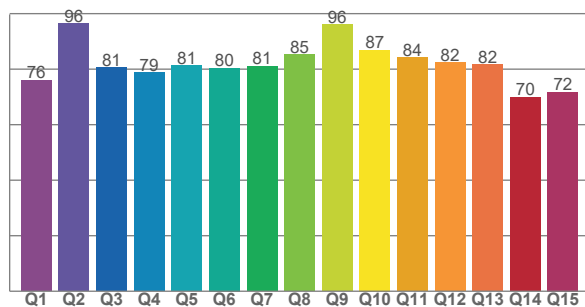
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.7 | 80.0 | 74.4 | 82.7 | 89.8 | 89.3 | 82.9 | 90.9 | 88.8 | 82.4 | 80.1 | 83.9 | 88.4 | 82.2 | 78.7 | 80.1 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 76.0 | 96.4 | 80.6 | 78.7 | 81.2 | 80.5 | 81.0 | 85.2 | 96.1 | 86.9 | 84.2 | 82.3 | 81.7 | 69.9 | 71.8 |

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 |
| 3046 K | 81.4 | 5.1 | 83.3 | 97.5 | 80.7 | 0.435 | 0.405 | 0.249 | 0.348 | 0.0006 |

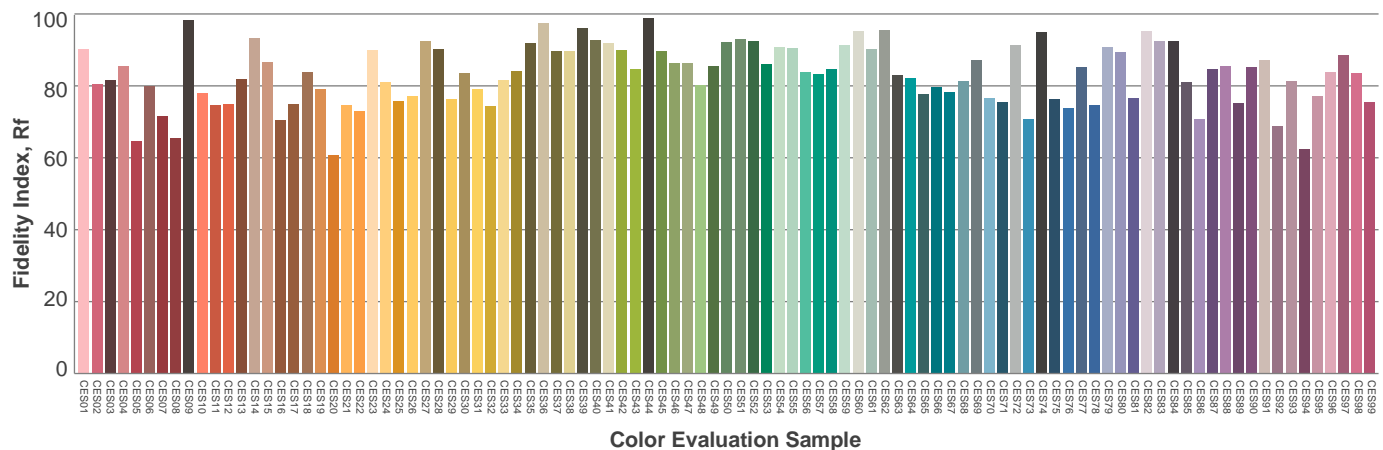
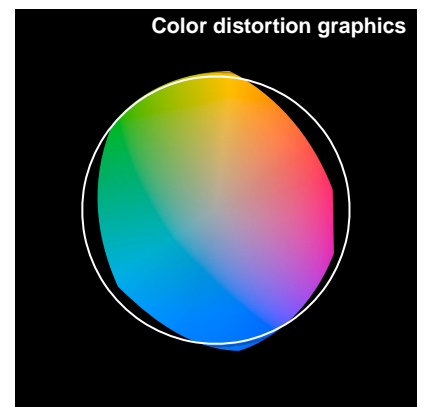
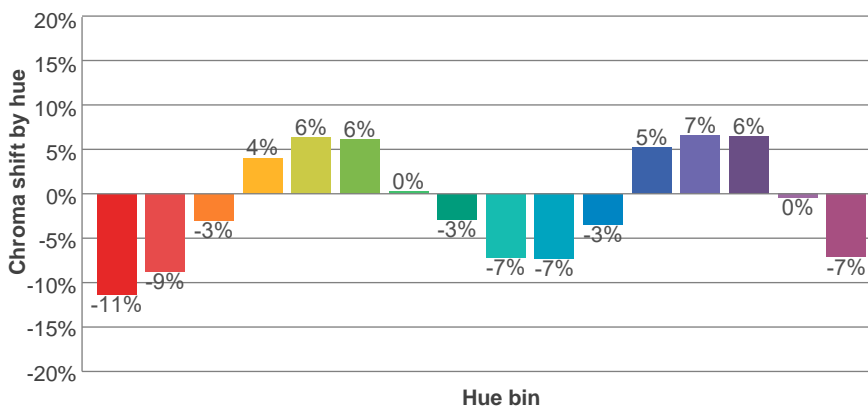
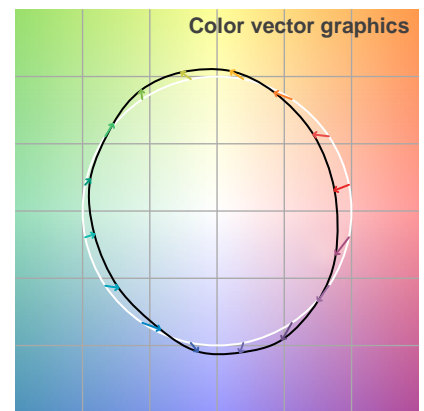
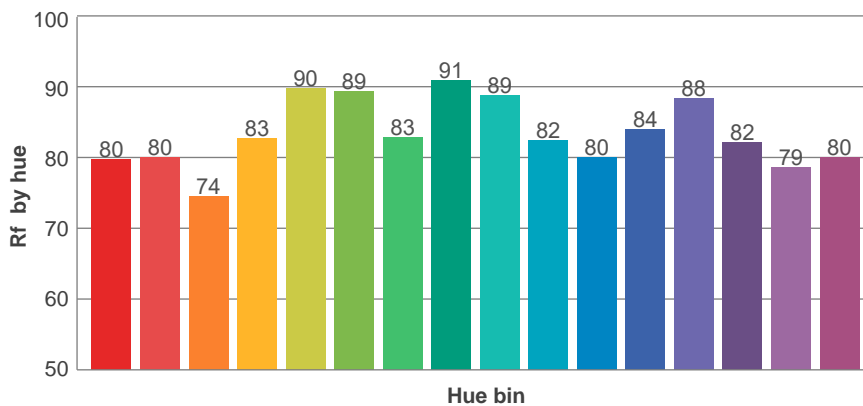
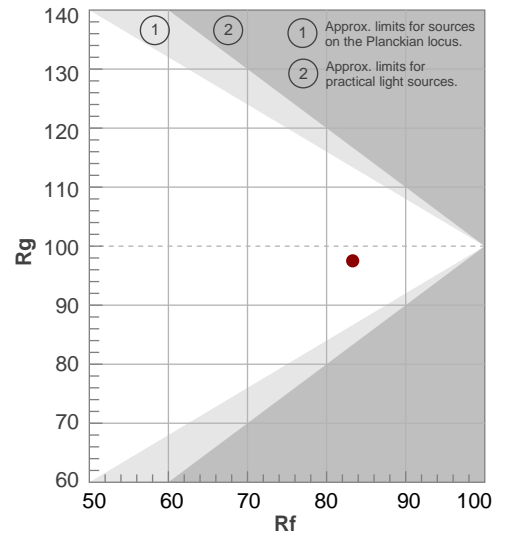
Rf 83.3

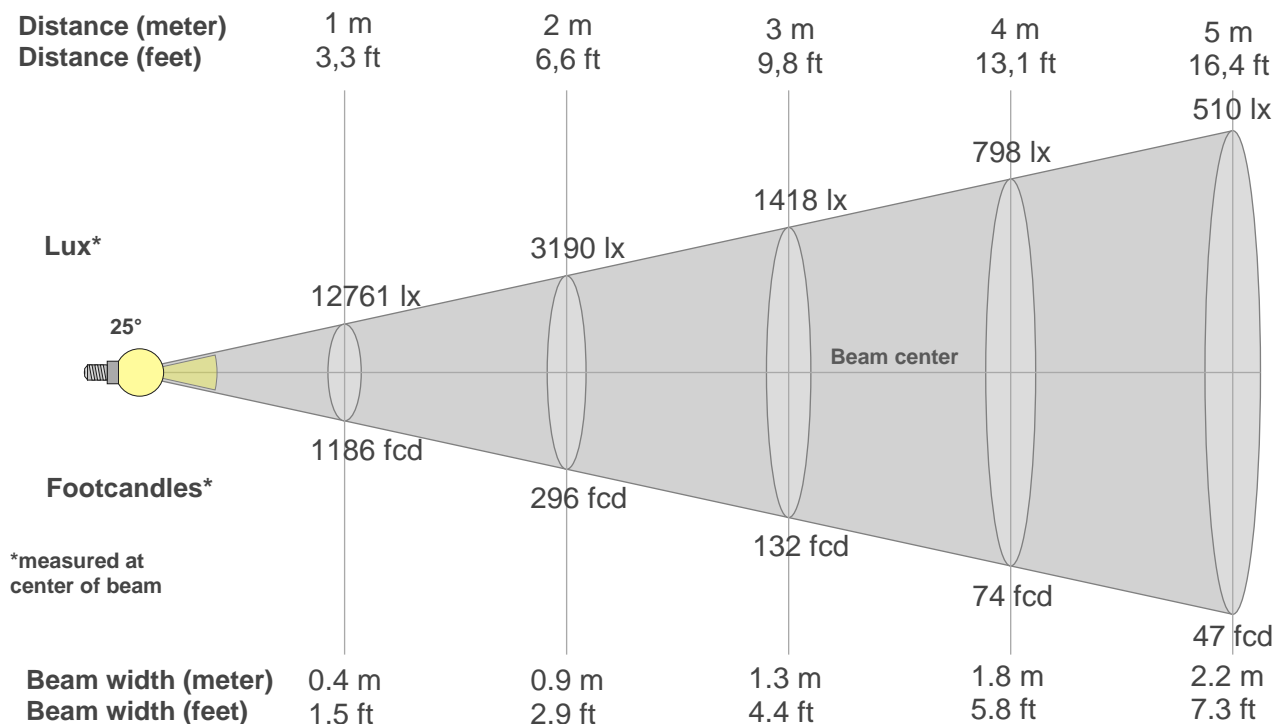
Fidelity index Rf

Rg 97.5

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 80 | -11% | -2% |
| 2 | 80 | -9% | 8% |
| 3 | 74 | -3% | 13% |
| 4 | 83 | 4% | 10% |
| 5 | 90 | 6% | 6% |
| 6 | 89 | 6% | -3% |
| 7 | 83 | 0% | -11% |
| 8 | 91 | -3% | -5% |
| 9 | 89 | -7% | -1% |
| 10 | 82 | -7% | 7% |
| 11 | 80 | -3% | 14% |
| 12 | 84 | 5% | 6% |
| 13 | 88 | 7% | -4% |
| 14 | 82 | 6% | -13% |
| 15 | 79 | 0% | -14% |
| 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 |
| 12761lx | 3190lx | 1418lx | 798lx | 510lx | 354lx | 260lx | 199lx | 158lx | 128lx | 105lx | 89lx | 76lx | 65lx | 57lx | 50lx | 44lx | 39lx | 35lx | 32lx |
| 1185.5fcd | 296.4fcd | 131.7fcd | 74.1fcd | 47.4fcd | 32.9fcd | 24.2fcd | 18.5fcd | 14.6fcd | 11.9fcd | 9.8fcd | 8.2fcd | 7fcd | 6fcd | 5.3fcd | 4.6fcd | 4.1fcd | 3.7fcd | 3.3fcd | 3fcd |

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° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.8K | 12.6K | 11.9K | 10.8K | 9.5K | 8.2K | 6.8K | 5.4K | 4.2K | 3.1K | 2.3K | 1.7K | 1.2K | 0.9K | 0.6K | 0.4K | 0.3K | 0.2K | 0.1K | 0.1K |
| 100% | 98% | 93% | 85% | 75% | 64% | 53% | 43% | 33% | 24% | 18% | 13% | 9% | 7% | 5% | 3% | 2% | 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° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.8K | 12.5K | 11.8K | 10.8K | 9.5K | 8.1K | 6.8K | 5.4K | 4.2K | 3.2K | 2.4K | 1.8K | 1.3K | 0.9K | 0.5K | 0.3K | 0.2K | 0.1K | 0.1K | 0.0K |
| 100% | 98% | 93% | 84% | 74% | 64% | 53% | 42% | 33% | 25% | 19% | 14% | 10% | 7% | 4% | 3% | 2% | 1% | 1% | 0% |

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° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.8K | 12.5K | 11.8K | 10.8K | 9.5K | 8.1K | 6.8K | 5.5K | 4.3K | 3.3K | 2.5K | 1.8K | 1.3K | 0.9K | 0.6K | 0.4K | 0.2K | 0.2K | 0.1K | 0.1K |
| 100% | 98% | 92% | 84% | 74% | 64% | 53% | 43% | 34% | 26% | 19% | 14% | 10% | 7% | 5% | 3% | 2% | 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° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.8K | 12.5K | 11.8K | 10.8K | 9.5K | 8.1K | 6.7K | 5.4K | 4.2K | 3.2K | 2.4K | 1.7K | 1.2K | 0.9K | 0.6K | 0.4K | 0.3K | 0.2K | 0.1K | 0.1K |
| 100% | 98% | 93% | 84% | 74% | 64% | 53% | 42% | 33% | 25% | 19% | 14% | 10% | 7% | 5% | 3% | 2% | 1% | 1% | 1% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 25° | 47.7° | 62° | 99.9% | 99.6% |