

Light efficiency:

78 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

3192 K

Output: 1400 lm

Peak: 12573 cd

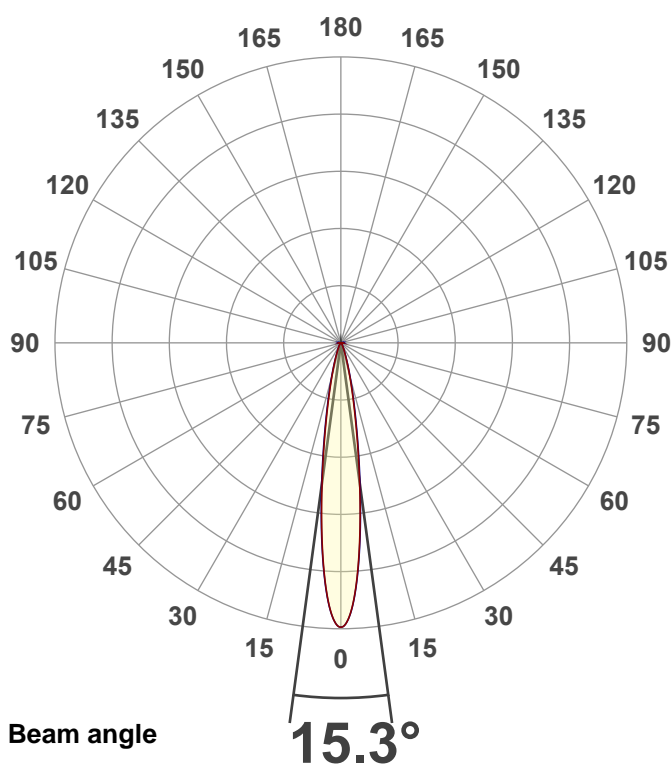
Power: 17.9 W

PF: 0.98



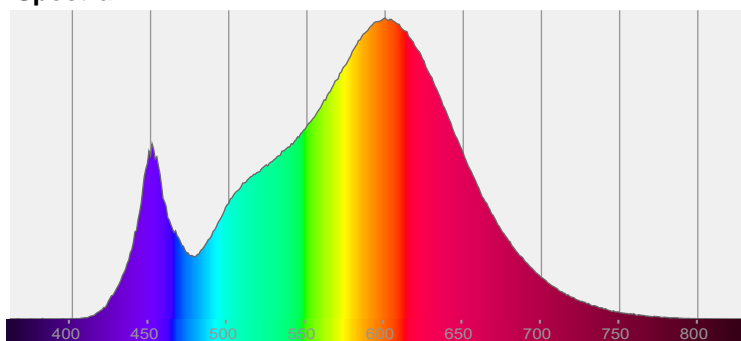
NU4-SD-SW-15LM-30K-80-14D-NA-SBL-WH-WH

Date and time:
12/9/2024 1:46:53 PM

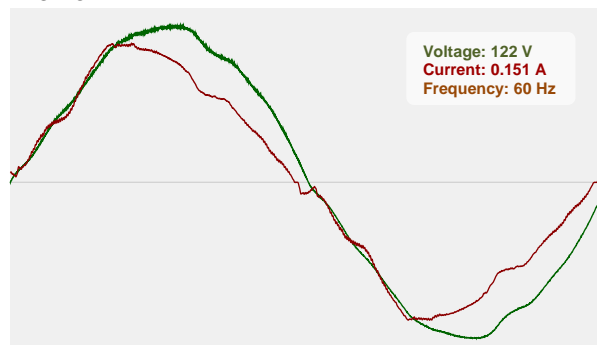


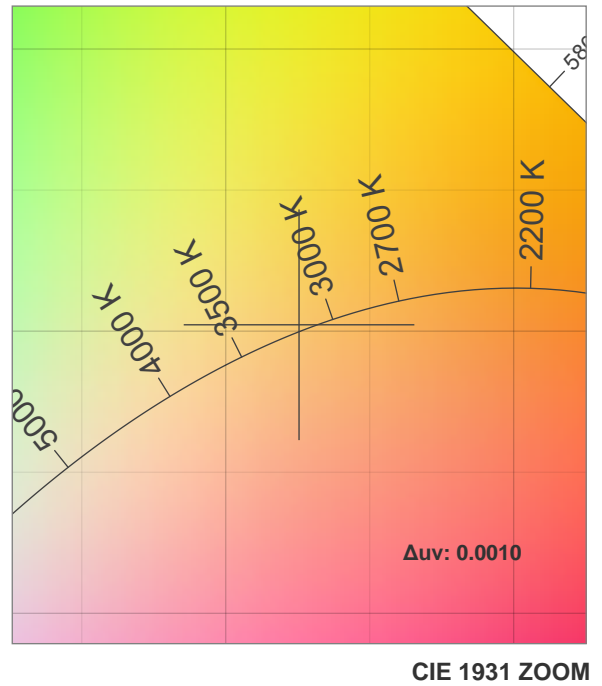
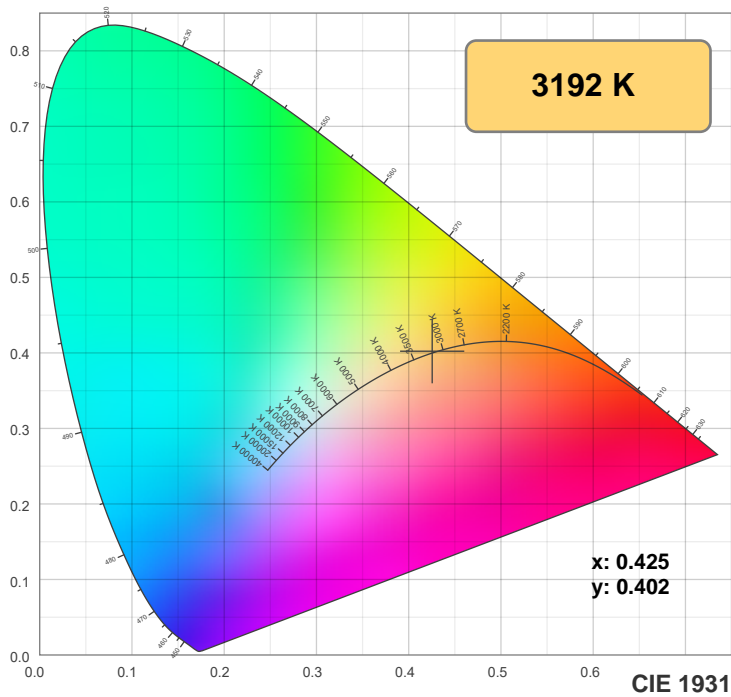
CIE 1931
x: 0.425
y: 0.402

Spectra

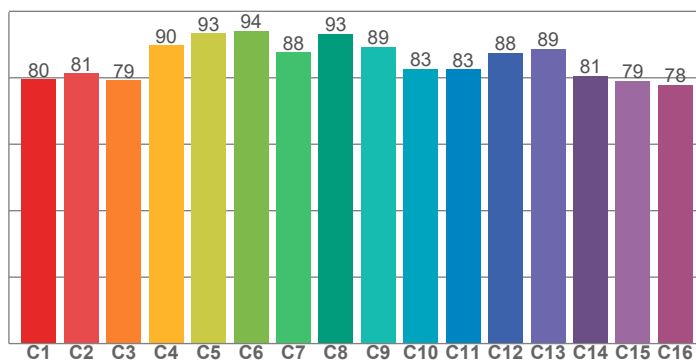


Power

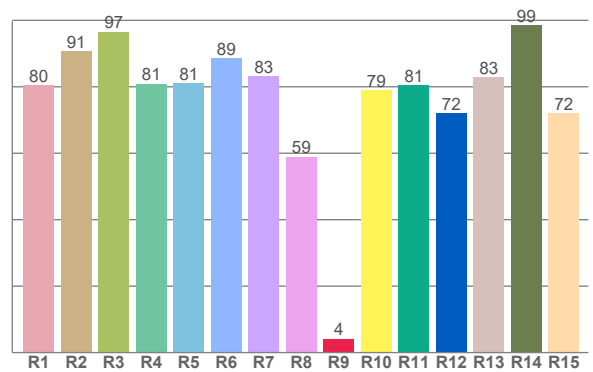




TM30: 85.4



CRI: 82.5 (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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 80.5 | 90.6 | 96.5 | 81.0 | 81.0 | 88.7 | 83.2 | 58.9 | 4.1 | 79.0 | 80.5 | 72.0 | 82.9 | 98.6 | 72.1 |

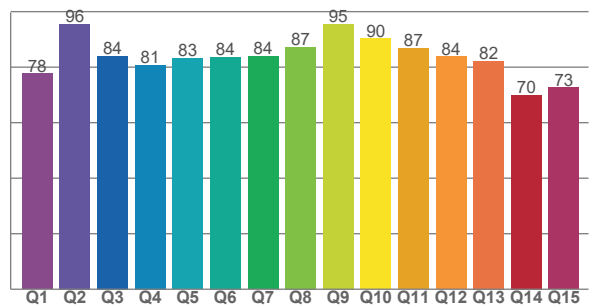
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.6 | 81.4 | 79.2 | 89.8 | 93.3 | 94.1 | 87.7 | 93.2 | 89.3 | 82.7 | 82.5 | 87.5 | 88.6 | 80.6 | 79.0 | 77.9 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.7 | 95.5 | 84.0 | 80.8 | 83.2 | 83.7 | 83.9 | 87.3 | 95.5 | 90.4 | 86.8 | 83.8 | 82.2 | 70.0 | 72.7 |

CQS: 82.3



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 |
| 3192 K | 82.5 | 4.1 | 85.4 | 95.4 | 82.3 | 0.425 | 0.402 | 0.244 | 0.346 | 0.0010 |

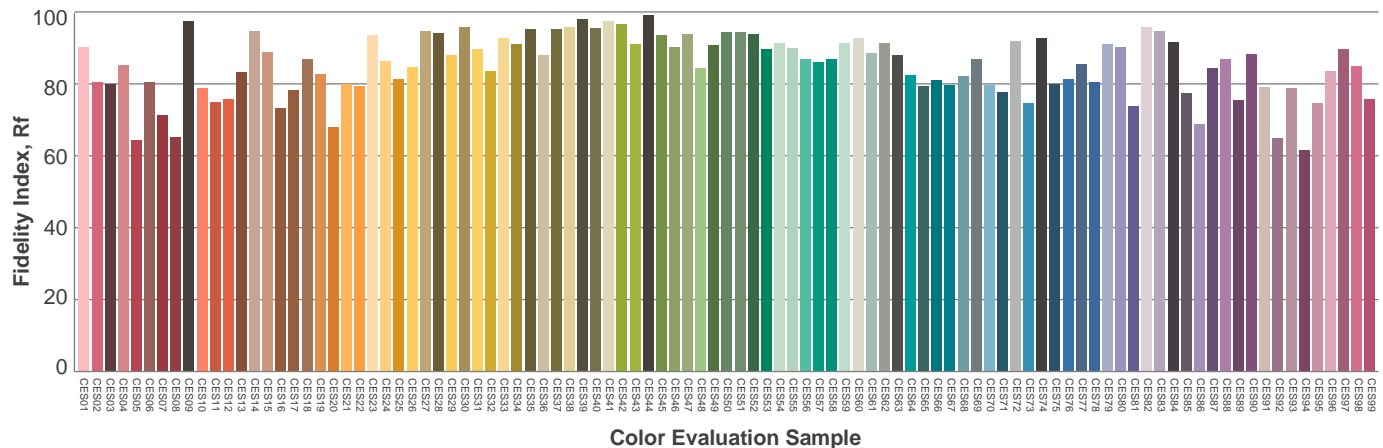
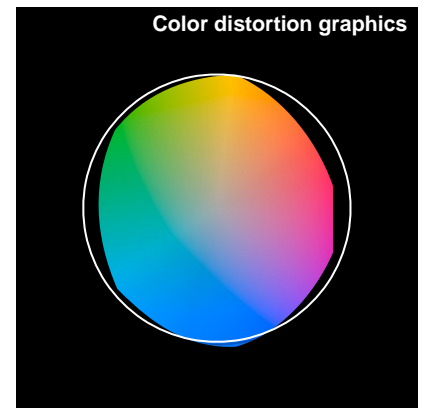
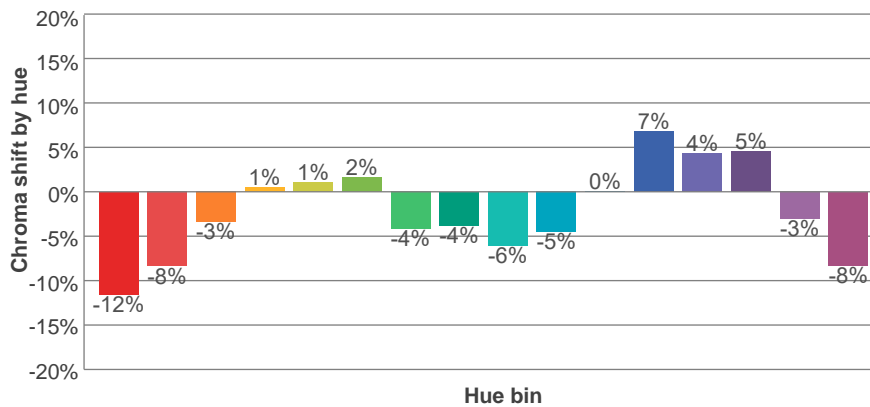
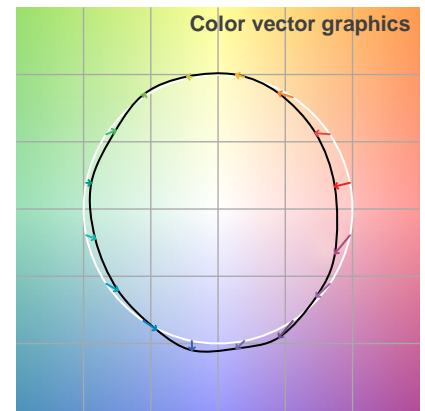
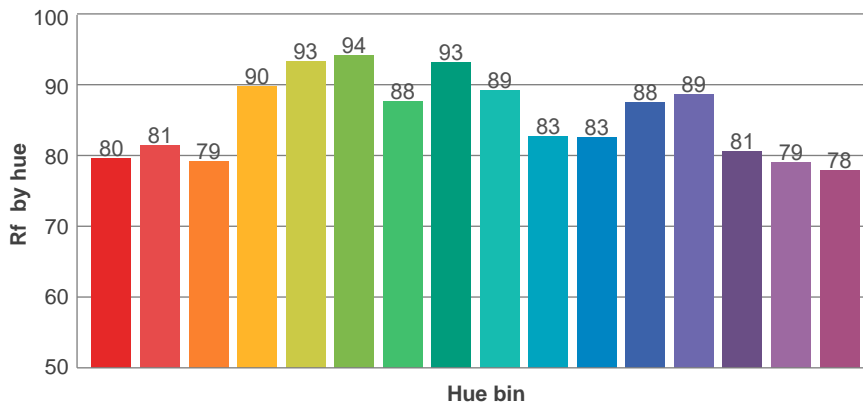
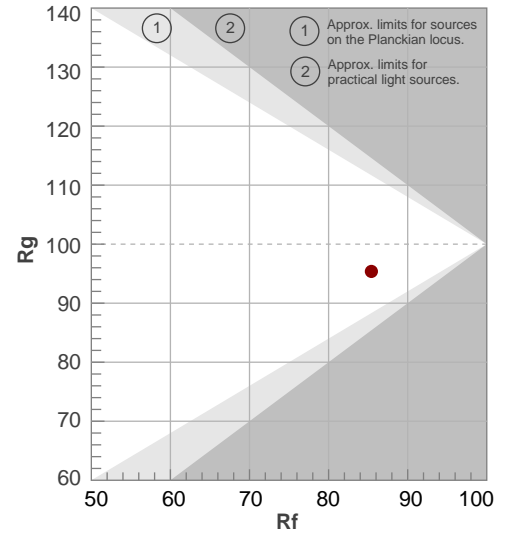
Rf 85.4

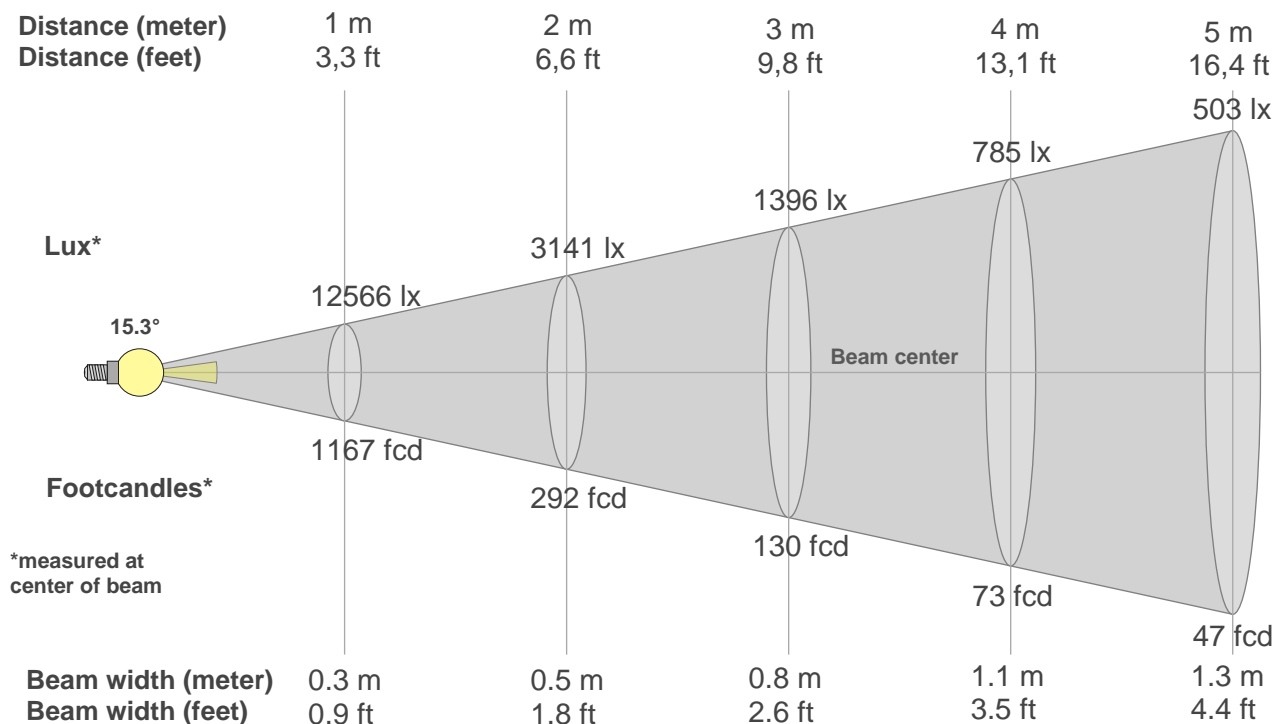
Fidelity index Rf

Rg 95.4

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 80 | -12% | 0% |
| 2 | 81 | -8% | 7% |
| 3 | 79 | -3% | 10% |
| 4 | 90 | 1% | 6% |
| 5 | 93 | 1% | 3% |
| 6 | 94 | 2% | -2% |
| 7 | 88 | -4% | -6% |
| 8 | 93 | -4% | -1% |
| 9 | 89 | -6% | 4% |
| 10 | 83 | -5% | 9% |
| 11 | 83 | 0% | 12% |
| 12 | 88 | 7% | 2% |
| 13 | 89 | 4% | -7% |
| 14 | 81 | 5% | -15% |
| 15 | 79 | -3% | -13% |
| 16 | 78 | -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 |
| 12566lx | 3141lx | 1396lx | 785lx | 503lx | 349lx | 256lx | 196lx | 155lx | 126lx | 104lx | 87lx | 74lx | 64lx | 56lx | 49lx | 43lx | 39lx | 35lx | 31lx |
| 1167.4fcd | 291.8fcd | 129.7fcd | 73fcd | 46.7fcd | 32.4fcd | 23.8fcd | 18.2fcd | 14.4fcd | 11.7fcd | 9.6fcd | 8.1fcd | 6.9fcd | 6fcd | 5.2fcd | 4.6fcd | 4fcd | 3.6fcd | 3.2fcd | 2.9fcd |

Intensities in 0° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.6K | 12.4K | 12.0K | 11.3K | 10.3K | 9.3K | 8.1K | 7.0K | 5.9K | 4.9K | 4.0K | 3.3K | 2.7K | 2.2K | 1.8K | 1.5K | 1.2K | 1.0K | 0.9K | 0.7K |
| 100% | 99% | 95% | 90% | 82% | 74% | 65% | 55% | 47% | 39% | 32% | 26% | 22% | 18% | 15% | 12% | 10% | 8% | 7% | 6% |

Intensities in 90° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.6K | 12.4K | 12.0K | 11.3K | 10.4K | 9.3K | 8.2K | 7.1K | 6.0K | 5.0K | 4.2K | 3.5K | 2.9K | 2.4K | 2.0K | 1.6K | 1.3K | 1.1K | 0.9K | 0.8K |
| 100% | 99% | 95% | 90% | 83% | 74% | 65% | 56% | 48% | 40% | 33% | 28% | 23% | 19% | 16% | 13% | 11% | 9% | 7% | 6% |

Intensities in 180° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.6K | 12.4K | 12.0K | 11.3K | 10.3K | 9.3K | 8.1K | 7.0K | 5.9K | 4.9K | 4.0K | 3.3K | 2.7K | 2.2K | 1.8K | 1.5K | 1.2K | 1.0K | 0.9K | 0.7K |
| 100% | 99% | 95% | 90% | 82% | 74% | 65% | 55% | 47% | 39% | 32% | 26% | 22% | 18% | 15% | 12% | 10% | 8% | 7% | 6% |

Intensities in 270° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.6K | 12.4K | 12.0K | 11.3K | 10.4K | 9.3K | 8.2K | 7.1K | 6.0K | 5.0K | 4.2K | 3.5K | 2.9K | 2.4K | 2.0K | 1.6K | 1.3K | 1.1K | 0.9K | 0.8K |
| 100% | 99% | 95% | 90% | 83% | 74% | 65% | 56% | 48% | 40% | 33% | 28% | 23% | 19% | 16% | 13% | 11% | 9% | 7% | 6% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 15.3° | 32.3° | 48.2° | 99.6% | 98.6% |