

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 81.1

Color temperature:

3080 K

Output: 3131 lm

Peak: 3980 cd

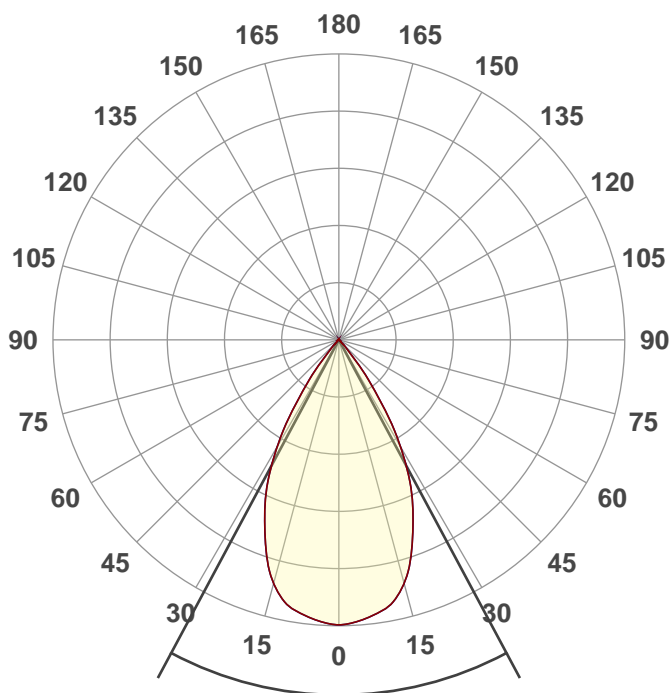
Power: 40.7 W

PF: 0.98



NU3-RD-SW-40LM-30K-80-55C-120-DIM10-NC-WH-WH

Date and time:
11/9/2020 1:18:35 PM



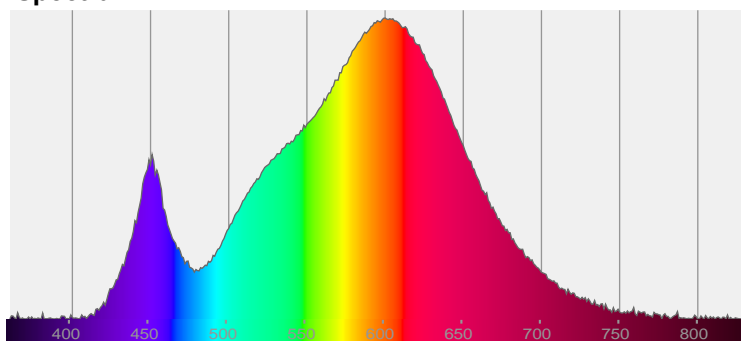
Beam angle

56.3°

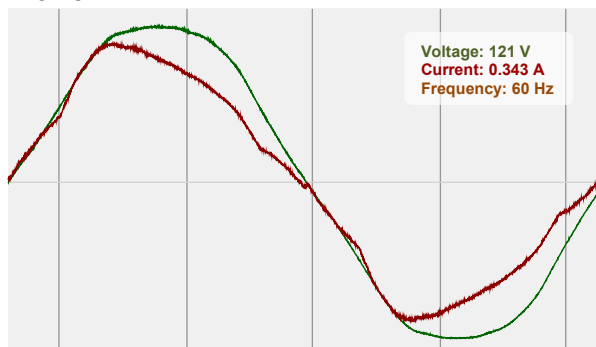


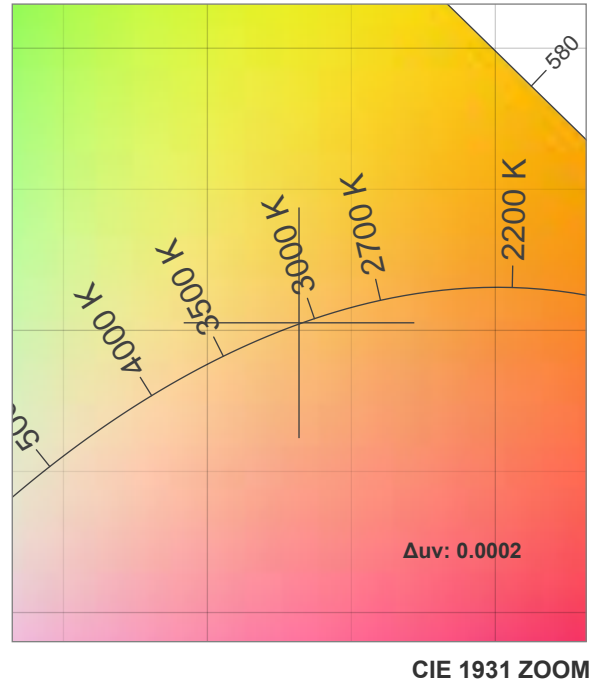
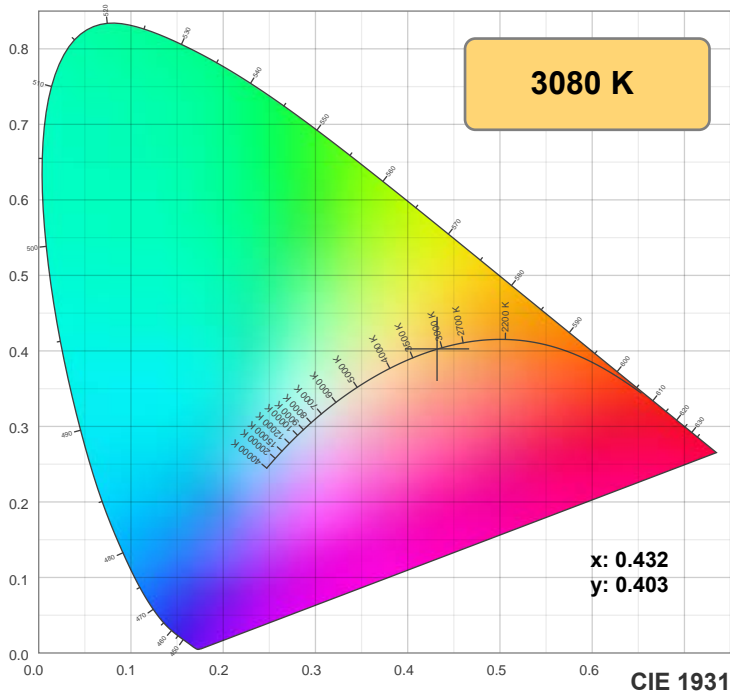
CIE 1931
x: 0.432
y: 0.403

Spectra

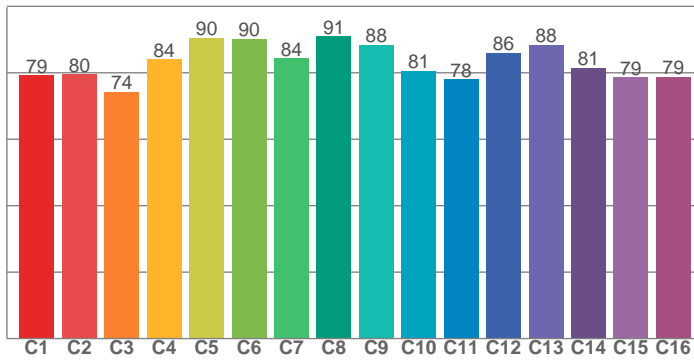


Power

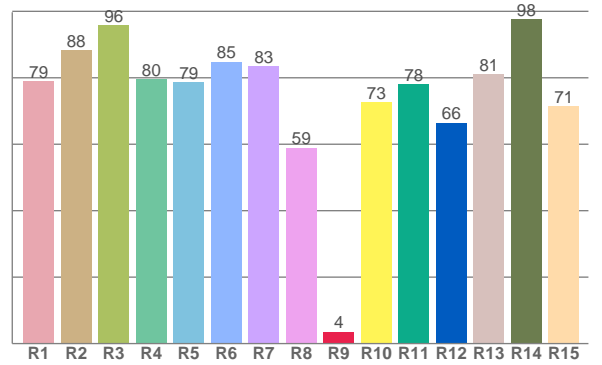




TM30: 83.1



CRI: 81.1 (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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 79.0 | 88.2 | 95.8 | 79.7 | 78.7 | 84.8 | 83.5 | 58.9 | 3.5 | 72.7 | 78.1 | 66.4 | 81.0 | 97.6 | 71.4 |

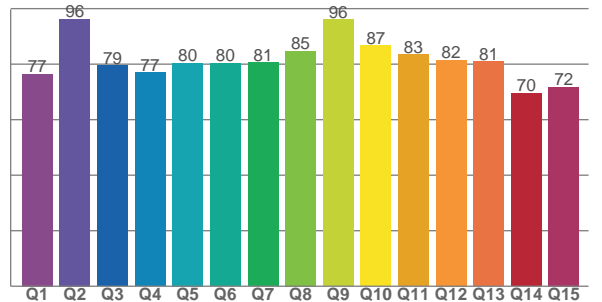
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.3 | 79.6 | 74.3 | 84.0 | 90.5 | 90.2 | 84.3 | 91.0 | 88.5 | 80.6 | 78.0 | 86.0 | 88.4 | 81.4 | 78.6 | 78.8 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 76.5 | 96.3 | 79.5 | 77.0 | 80.3 | 80.3 | 80.6 | 84.7 | 96.1 | 86.6 | 83.5 | 81.5 | 81.0 | 69.5 | 71.8 |

CQS: 80.2



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 |
| 3080 K | 81.1 | 3.5 | 83.1 | 97.0 | 80.2 | 0.432 | 0.403 | 0.248 | 0.347 | 0.0002 |

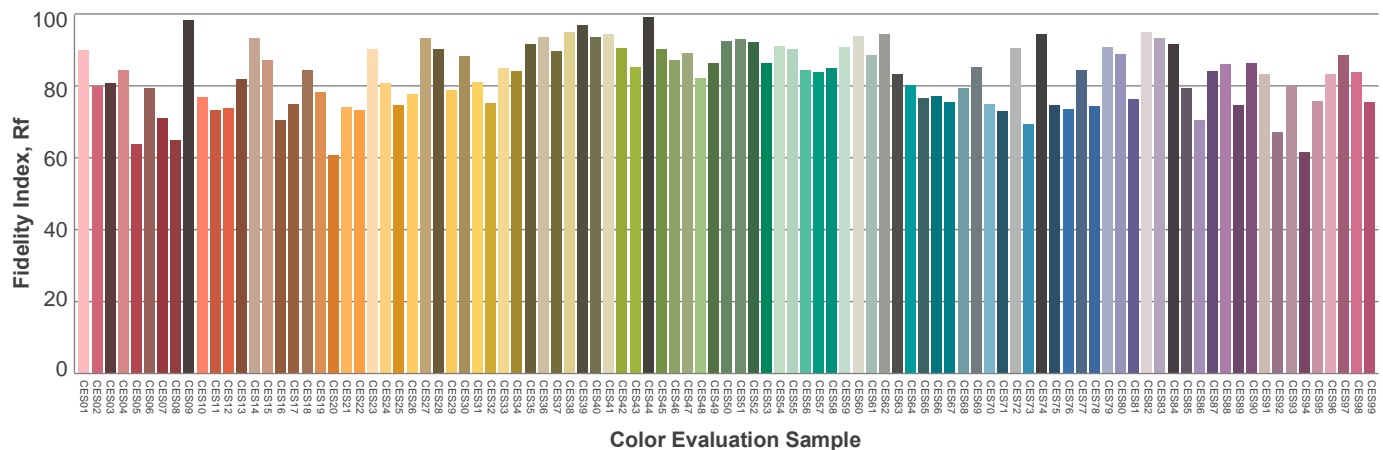
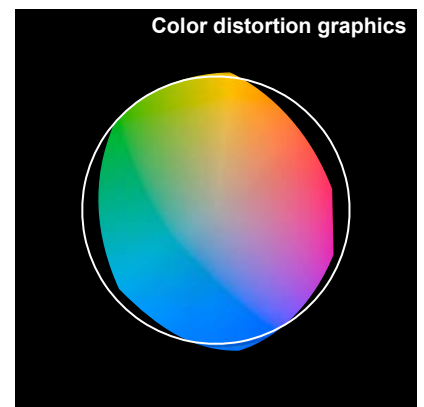
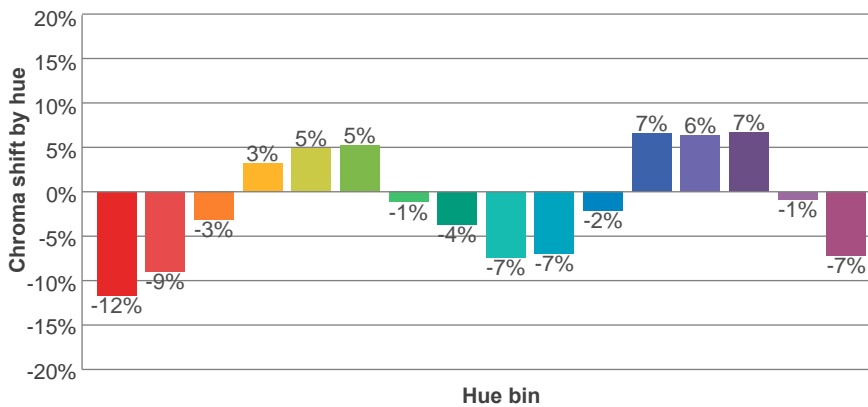
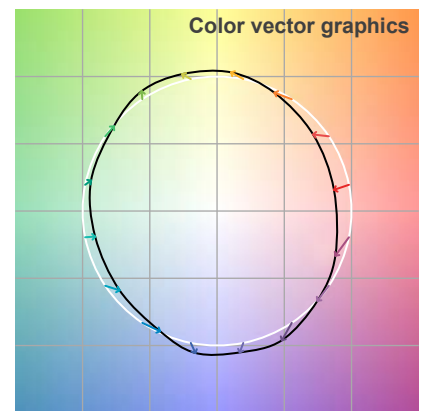
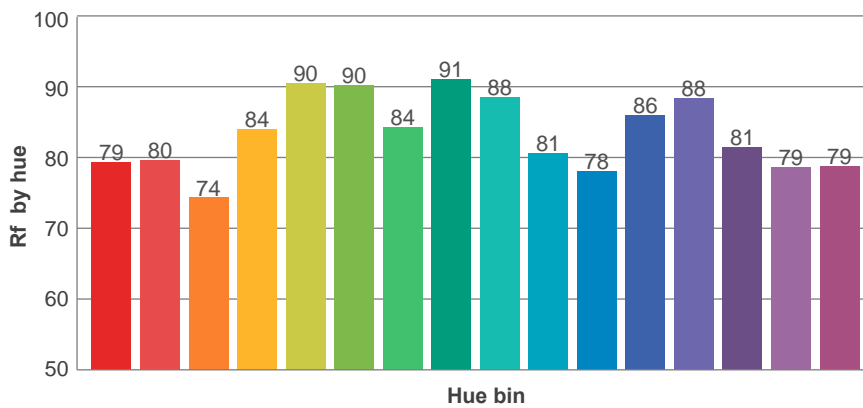
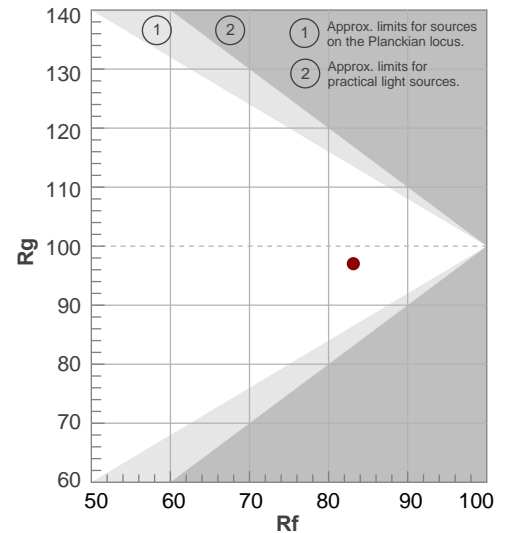
Rf 83.1

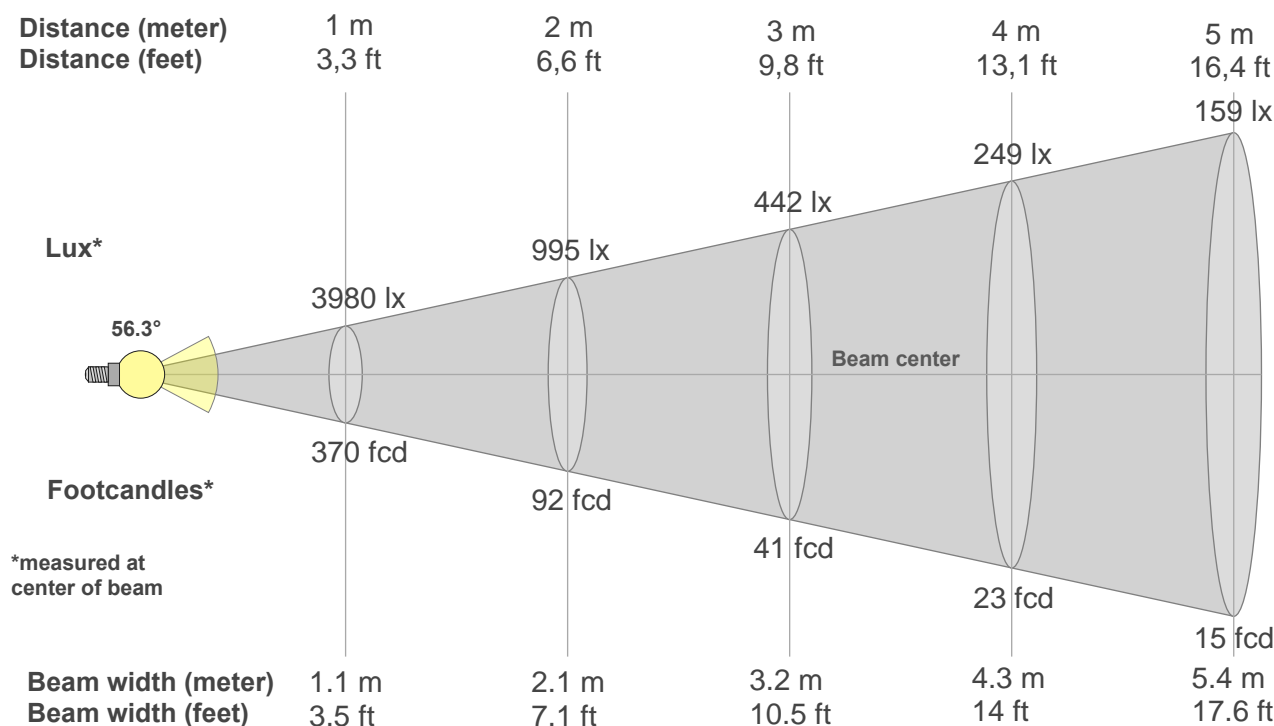
Fidelity index Rf

Rg 97.0

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 79 | -12% | -2% |
| 2 | 80 | -9% | 8% |
| 3 | 74 | -3% | 13% |
| 4 | 84 | 3% | 10% |
| 5 | 90 | 5% | 6% |
| 6 | 90 | 5% | -3% |
| 7 | 84 | -1% | -10% |
| 8 | 91 | -4% | -4% |
| 9 | 88 | -7% | 1% |
| 10 | 81 | -7% | 9% |
| 11 | 78 | -2% | 14% |
| 12 | 86 | 7% | 5% |
| 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 |
| 3980lx | 995lx | 442lx | 249lx | 159lx | 111lx | 81lx | 62lx | 49lx | 40lx | 33lx | 28lx | 24lx | 20lx | 18lx | 16lx | 14lx | 12lx | 11lx | 10lx |
| 369.7fcd | 92.4fcd | 41.1fcd | 23.1fcd | 14.8fcd | 10.3fcd | 7.5fcd | 5.8fcd | 4.6fcd | 3.7fcd | 3.1fcd | 2.6fcd | 2.2fcd | 1.9fcd | 1.6fcd | 1.4fcd | 1.3fcd | 1.1fcd | 1fcd | 0.9fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 3980 | 3977 | 3942 | 3907 | 3857 | 3798 | 3727 | 3580 | 3433 | 3232 | 3002 | 2770 | 2532 | 2293 | 2014 | 1717 | 1415 | 1097 | 779 | 539 |
| 100% | 100% | 99% | 98% | 97% | 95% | 94% | 90% | 86% | 81% | 75% | 70% | 64% | 58% | 51% | 43% | 36% | 28% | 20% | 14% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 3980 | 3977 | 3942 | 3907 | 3857 | 3798 | 3727 | 3580 | 3433 | 3232 | 3002 | 2770 | 2532 | 2293 | 2014 | 1717 | 1415 | 1097 | 779 | 539 |
| 100% | 100% | 99% | 98% | 97% | 95% | 94% | 90% | 86% | 81% | 75% | 70% | 64% | 58% | 51% | 43% | 36% | 28% | 20% | 14% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 3980 | 3977 | 3942 | 3907 | 3857 | 3798 | 3727 | 3580 | 3433 | 3232 | 3002 | 2770 | 2532 | 2293 | 2014 | 1717 | 1415 | 1097 | 779 | 539 |
| 100% | 100% | 99% | 98% | 97% | 95% | 94% | 90% | 86% | 81% | 75% | 70% | 64% | 58% | 51% | 43% | 36% | 28% | 20% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 3980 | 3977 | 3942 | 3907 | 3857 | 3798 | 3727 | 3580 | 3433 | 3232 | 3002 | 2770 | 2532 | 2293 | 2014 | 1717 | 1415 | 1097 | 779 | 539 |
| 100% | 100% | 99% | 98% | 97% | 95% | 94% | 90% | 86% | 81% | 75% | 70% | 64% | 58% | 51% | 43% | 36% | 28% | 20% | 14% |

| Beam angle 50° | Field angle 10° | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| {B_ANG}° | 78.6° | 88.2° | 99.1% | 98.3% |