

Photometric / Colorimetric / Electric Report

Fixture Model:

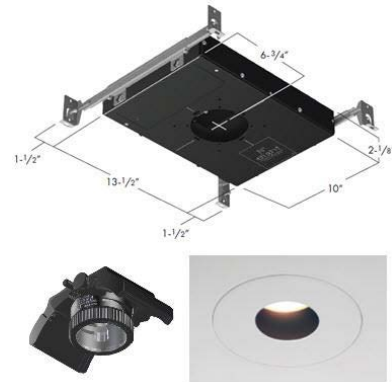
805-J5-TW-25-3000K-DAL2-8.5-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

1/20/2025



Light efficiency:

47 Lumen/Watt

Light quality:

CRI: 96.8

Color temperature:

3015 K

CIE 1931:

**x: 0.429
y: 0.390**

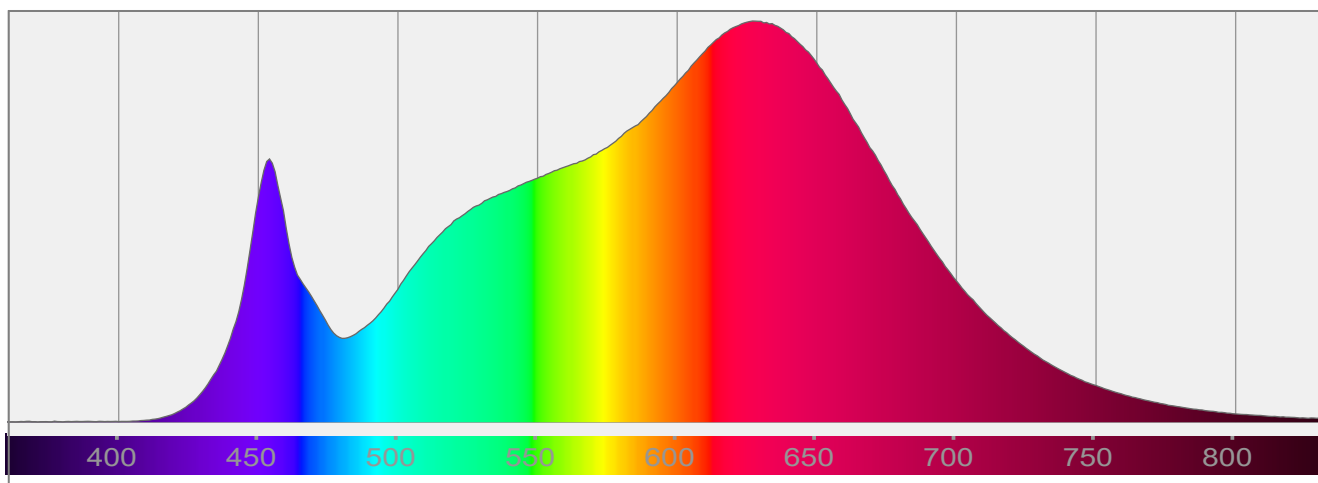
Output: 725 lm

Peak: 2664 cd

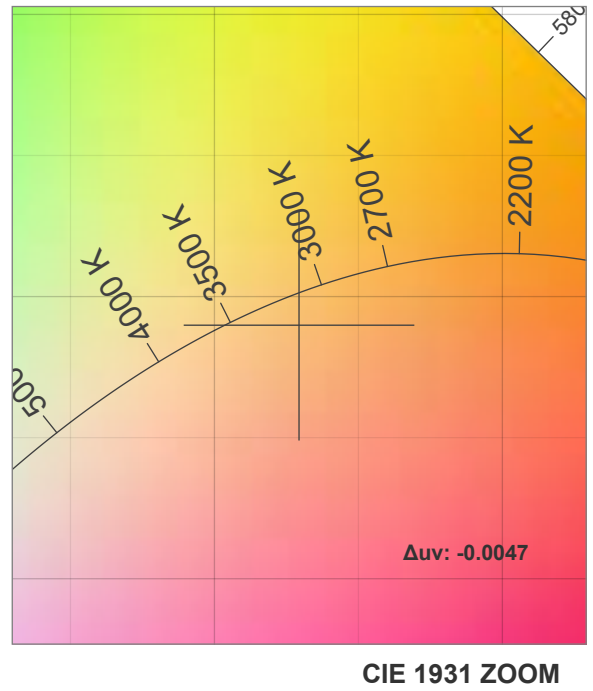
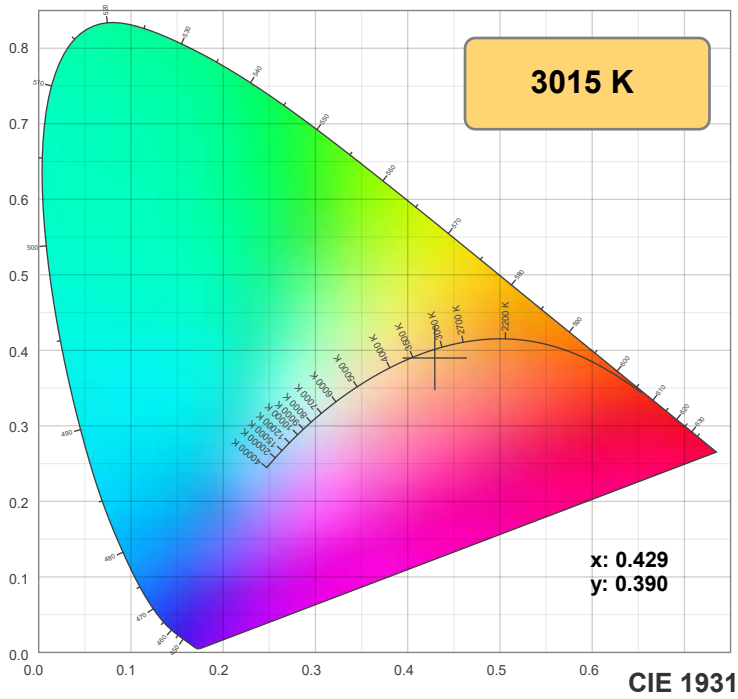
Power: 15.5 W

PF: 0.99

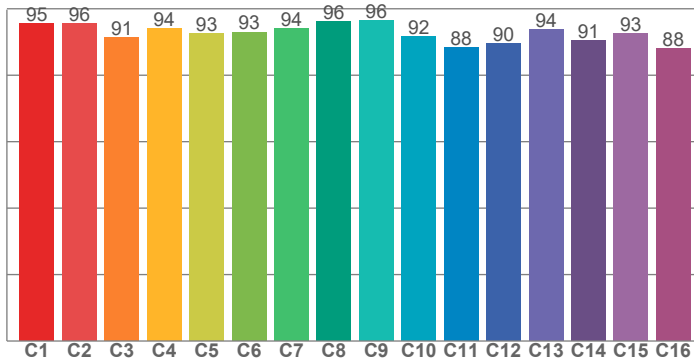
Spectra:



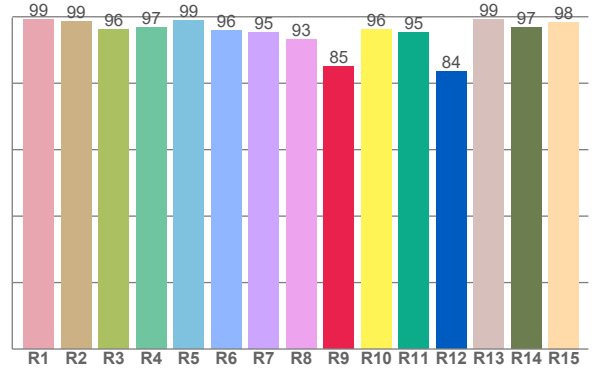
Color Details



TM-30: 92.8



CRI: 96.8 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99.1 | 98.6 | 96.2 | 96.7 | 99.0 | 96.0 | 95.3 | 93.2 | 85.2 | 96.1 | 95.2 | 83.6 | 99.1 | 96.8 | 98.4 |

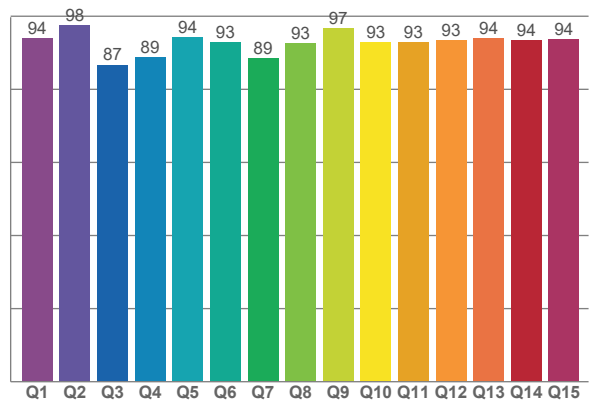
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95.5 | 95.6 | 91.2 | 94.1 | 92.5 | 93.0 | 94.1 | 96.2 | 96.5 | 91.5 | 88.4 | 89.6 | 93.6 | 90.5 | 92.6 | 88.1 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93.9 | 97.5 | 86.7 | 88.7 | 94.3 | 92.9 | 88.6 | 92.5 | 96.8 | 92.9 | 92.9 | 93.3 | 94.1 | 93.5 | 93.8 |

CQS: 92.2



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 3015 K | 96.8 | 85.2 | 92.8 | 103.1 | 92.2 | 0.429 | 0.390 | 0.252 | 0.343 | -0.0047 |

TM-30 Details

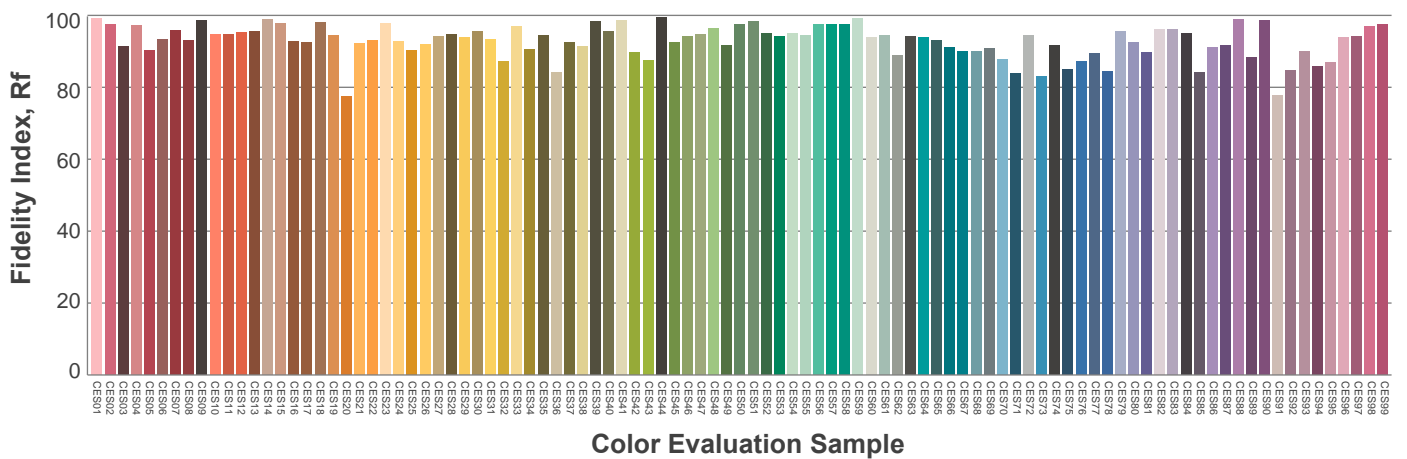
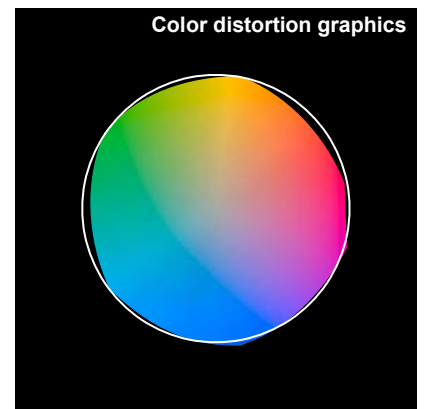
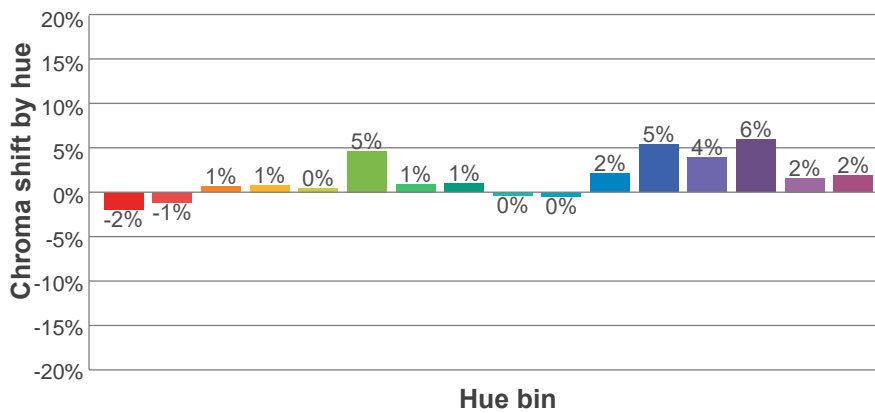
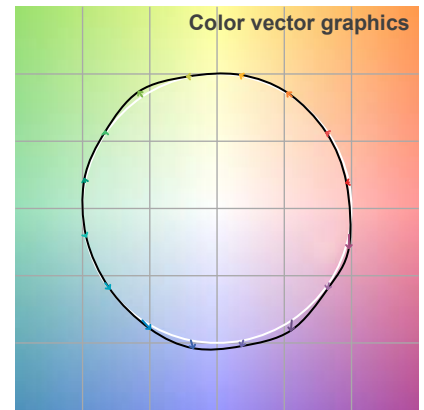
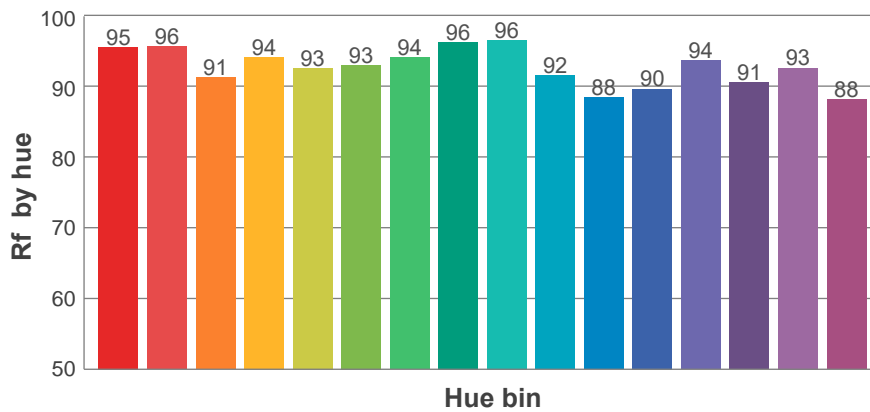
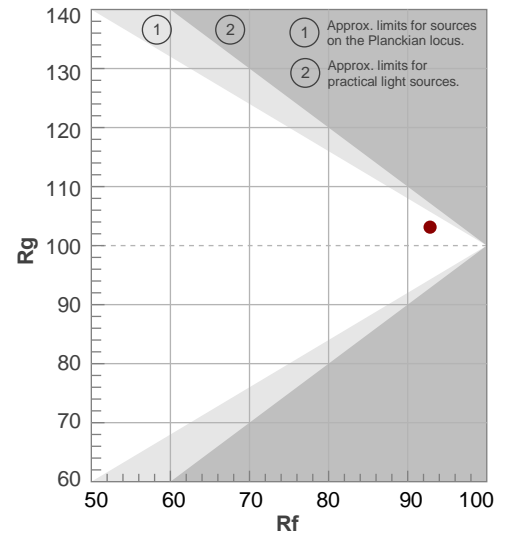
Rf 92.8

Fidelity index Rf

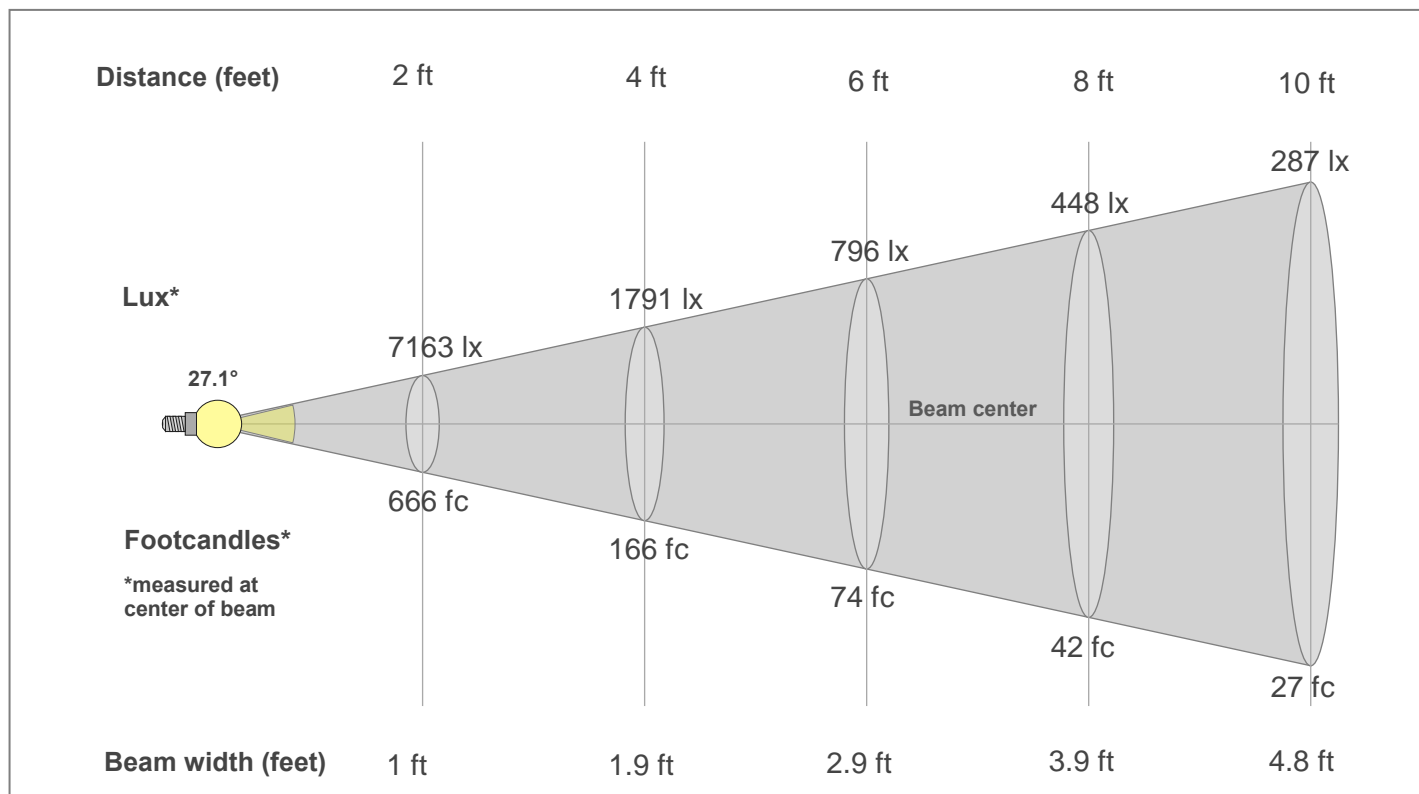
Rg 103.1

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 95 | -2% | 0% |
| 2 | 96 | -1% | 2% |
| 3 | 91 | 1% | 4% |
| 4 | 94 | 1% | 3% |
| 5 | 93 | 0% | 3% |
| 6 | 93 | 5% | 0% |
| 7 | 94 | 1% | -1% |
| 8 | 96 | 1% | -2% |
| 9 | 96 | 0% | 1% |
| 10 | 92 | 0% | 5% |
| 11 | 88 | 2% | 8% |
| 12 | 90 | 5% | 3% |
| 13 | 94 | 4% | -2% |
| 14 | 91 | 6% | -5% |
| 15 | 93 | 2% | -4% |
| 16 | 88 | 2% | -10% |



Beam Details



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 |
| 2662lx | 665lx | 296lx | 166lx | 106lx | 74lx | 54lx | 42lx | 33lx | 27lx | 22lx | 18lx | 16lx | 14lx | 12lx | 10lx | 9lx | 8lx | 7lx | 7lx |
| 247.3fc | 61.8fc | 27.5fc | 15.5fc | 9.9fc | 6.9fc | 5fc | 3.9fc | 3.1fc | 2.5fc | 2fc | 1.7fc | 1.5fc | 1.3fc | 1.1fc | 1fc | 0.9fc | 0.8fc | 0.7fc | 0.6fc |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2662 | 2622 | 2502 | 2313 | 2080 | 1816 | 1539 | 1269 | 1017 | 797 | 614 | 467 | 357 | 271 | 206 | 154 | 110 | 75 | 49 | 31 |
| 100% | 99% | 94% | 87% | 78% | 68% | 58% | 48% | 38% | 30% | 23% | 18% | 13% | 10% | 8% | 6% | 4% | 3% | 2% | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2662 | 2622 | 2503 | 2319 | 2088 | 1825 | 1548 | 1271 | 1020 | 797 | 612 | 463 | 352 | 267 | 204 | 153 | 109 | 74 | 49 | 30 |
| 100% | 99% | 94% | 87% | 78% | 69% | 58% | 48% | 38% | 30% | 23% | 17% | 13% | 10% | 8% | 6% | 4% | 3% | 2% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2662 | 2622 | 2502 | 2313 | 2080 | 1816 | 1539 | 1269 | 1017 | 797 | 614 | 467 | 357 | 271 | 206 | 154 | 110 | 75 | 49 | 31 |
| 100% | 99% | 94% | 87% | 78% | 68% | 58% | 48% | 38% | 30% | 23% | 18% | 13% | 10% | 8% | 6% | 4% | 3% | 2% | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2662 | 2622 | 2503 | 2319 | 2088 | 1825 | 1548 | 1271 | 1020 | 797 | 612 | 463 | 352 | 267 | 204 | 153 | 109 | 74 | 49 | 30 |
| 100% | 99% | 94% | 87% | 78% | 69% | 58% | 48% | 38% | 30% | 23% | 17% | 13% | 10% | 8% | 6% | 4% | 3% | 2% | 1% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 27.1° | 52.2° | 69.2° | 99.5% | 98.9% |