

Photometric / Colorimetric / Electric Report

Fixture Model:

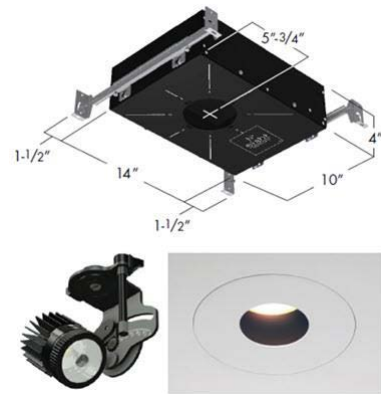
804S-J2S-HI-3-30-25-PR1-8-350-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

12/11/2023



Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 97.4

Color temperature:

3010 K

CIE 1931:

**x: 0.434
y: 0.399**

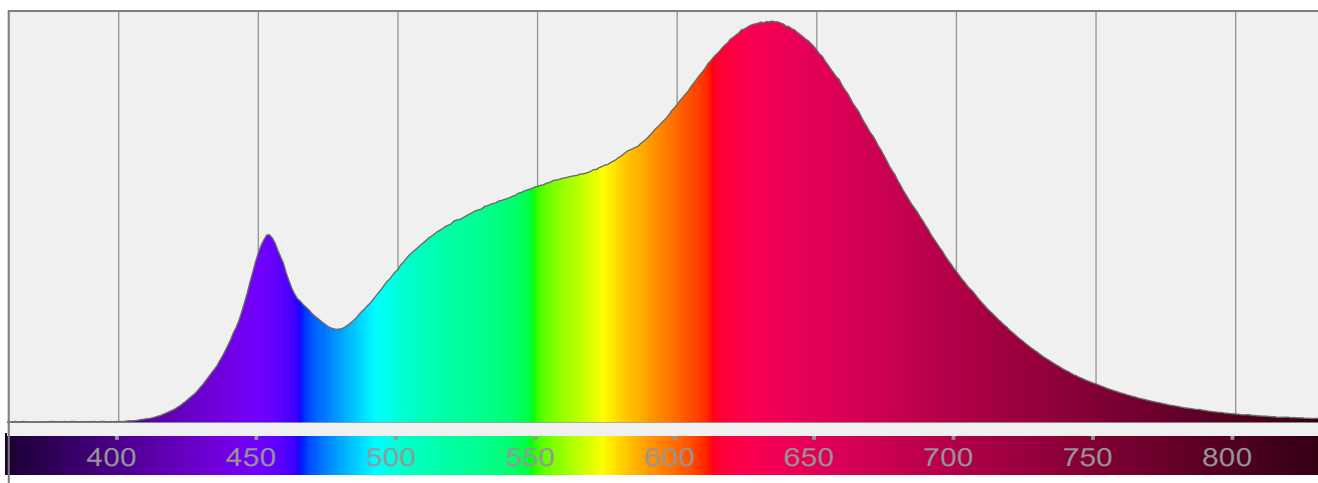
Output: 695 lm

Peak: 3688 cd

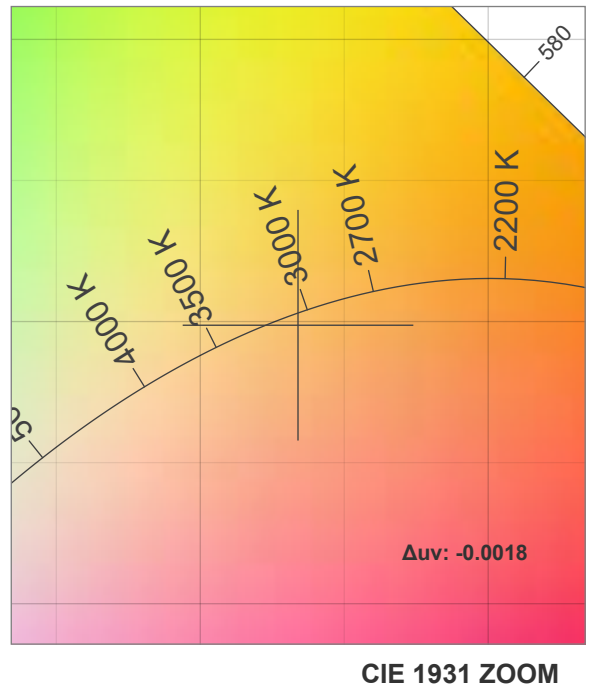
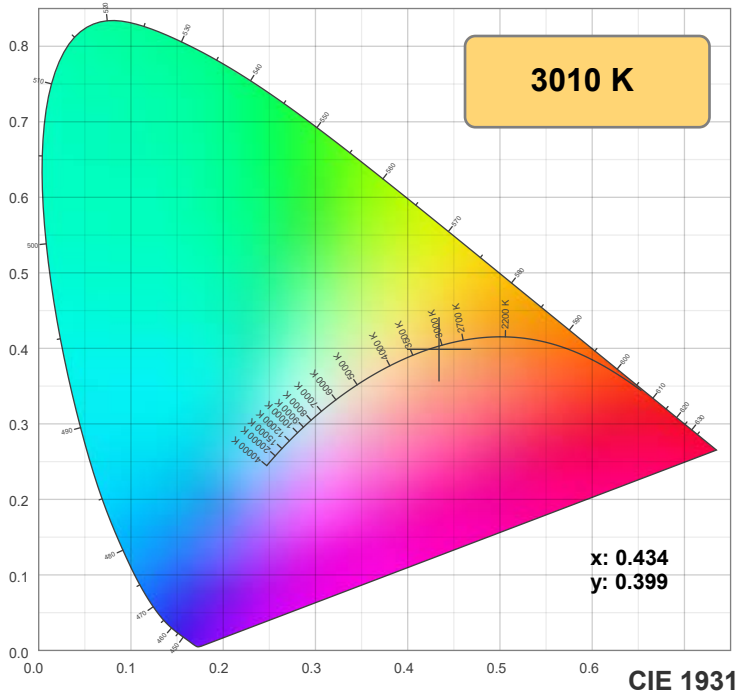
Power: 14.5 W

PF: 0.99

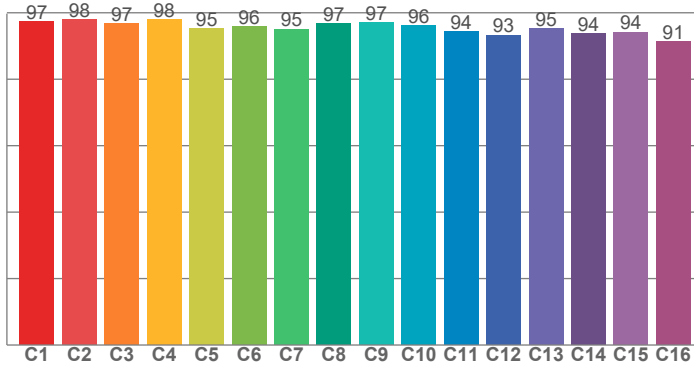
Spectra:



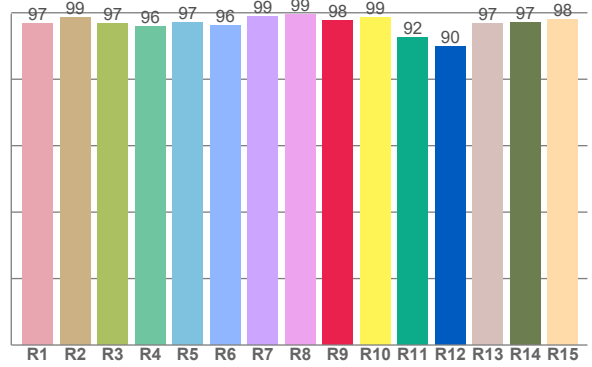
Color Details



TM-30: 95.8



CRI: 97.4 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96.7 | 98.6 | 96.8 | 95.8 | 97.0 | 96.2 | 98.8 | 99.5 | 97.7 | 98.7 | 92.4 | 89.9 | 96.8 | 97.1 | 98.1 |

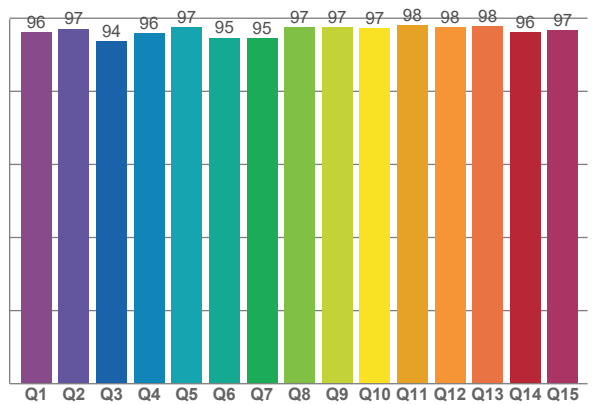
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97.3 | 98.0 | 96.8 | 97.9 | 95.2 | 95.9 | 95.1 | 96.8 | 97.1 | 96.1 | 94.3 | 93.3 | 95.2 | 93.8 | 94.2 | 91.4 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96.1 | 97.1 | 93.6 | 96.0 | 97.5 | 94.6 | 94.6 | 97.4 | 97.4 | 97.3 | 98.1 | 97.6 | 97.8 | 96.1 | 96.7 |

CQS: 96.1



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|-------------|
| 3010 K | 97.4 | 97.7 | 95.8 | 102.3 | 96.1 | 0.434 | 0.399 | 0.251 | 0.346 | -0.0018 |

TM-30 Details

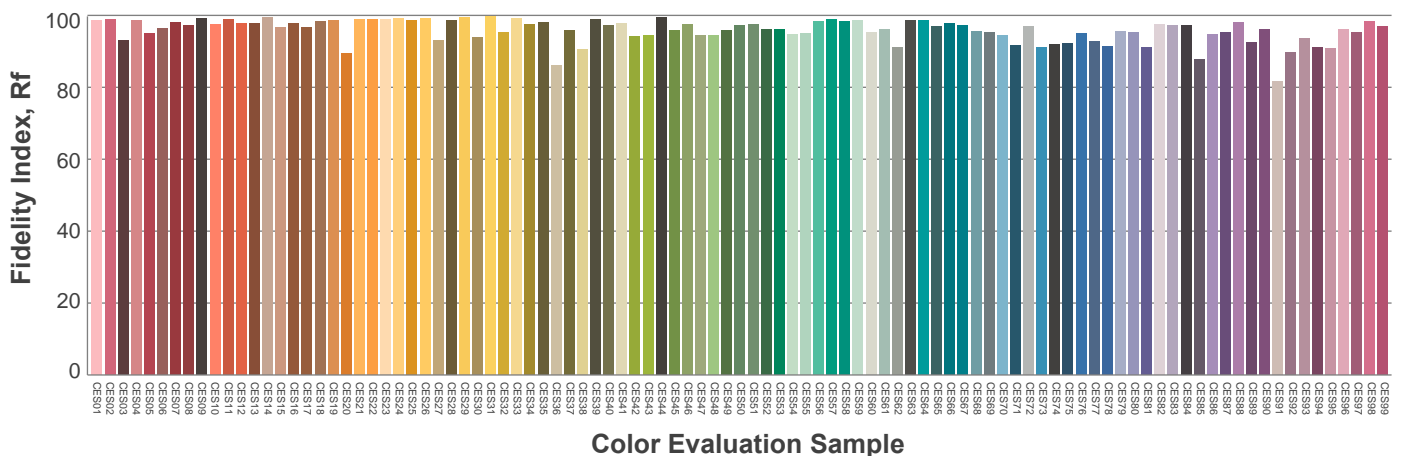
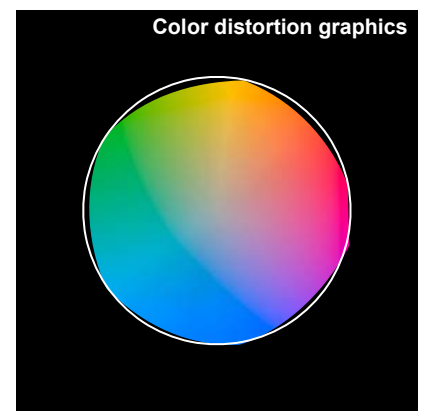
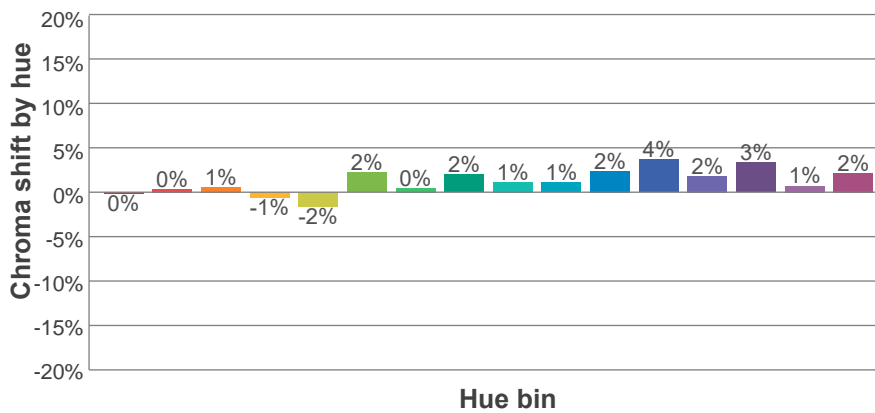
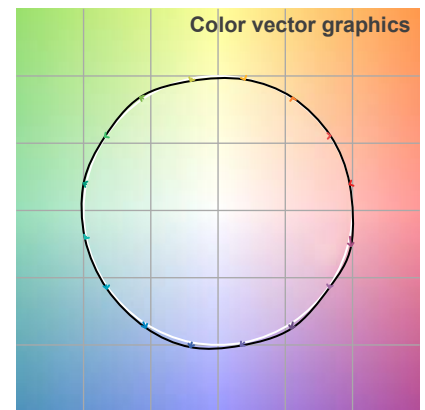
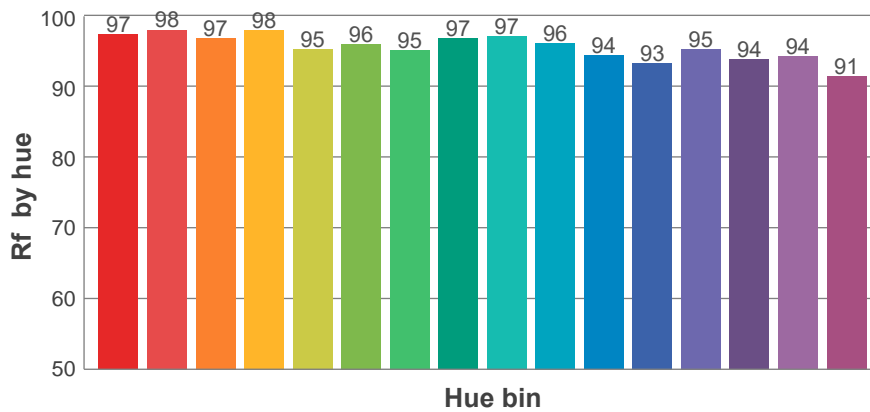
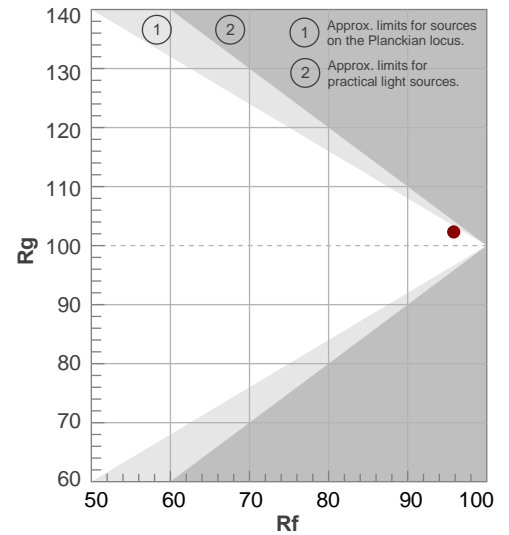
Rf 95.8

Fidelity index Rf

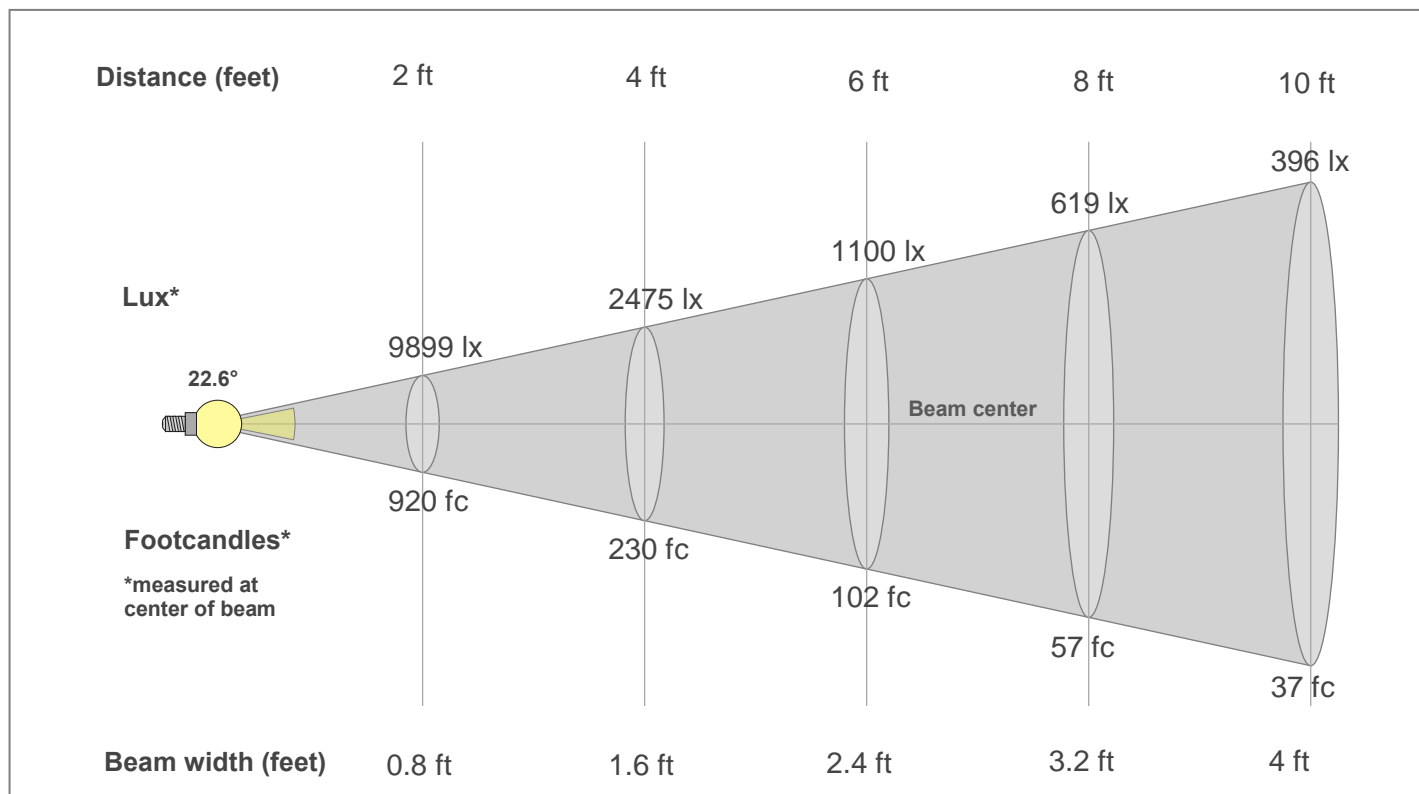
Rg 102.3

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 97 | 0% | 0% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 1% | 1% |
| 4 | 98 | -1% | 0% |
| 5 | 95 | -2% | 1% |
| 6 | 96 | 2% | 1% |
| 7 | 95 | 0% | 1% |
| 8 | 97 | 2% | 0% |
| 9 | 97 | 1% | 1% |
| 10 | 96 | 1% | 2% |
| 11 | 94 | 2% | 4% |
| 12 | 93 | 4% | 0% |
| 13 | 95 | 2% | -3% |
| 14 | 94 | 3% | -3% |
| 15 | 94 | 1% | -2% |
| 16 | 91 | 2% | -7% |



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 |
| 3679lx | 920lx | 409lx | 230lx | 147lx | 102lx | 75lx | 57lx | 45lx | 37lx | 30lx | 26lx | 22lx | 19lx | 16lx | 14lx | 13lx | 11lx | 10lx | 9lx |
| 341.8fc | 85.4fc | 38fc | 21.4fc | 13.7fc | 9.5fc | 7fc | 5.3fc | 4.2fc | 3.4fc | 2.8fc | 2.4fc | 2fc | 1.7fc | 1.5fc | 1.3fc | 1.2fc | 1.1fc | 0.9fc | 0.9fc |

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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3679 | 3606 | 3376 | 3024 | 2604 | 2149 | 1705 | 1315 | 990 | 729 | 515 | 347 | 230 | 146 | 87 | 49 | 29 | 18 | 13 | 9 |
| 100% | 98% | 92% | 82% | 71% | 58% | 46% | 36% | 27% | 20% | 14% | 9% | 6% | 4% | 2% | 1% | 1% | 1% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3679 | 3599 | 3358 | 2995 | 2567 | 2112 | 1675 | 1286 | 971 | 715 | 506 | 341 | 229 | 150 | 91 | 52 | 29 | 19 | 13 | 9 |
| 100% | 98% | 91% | 81% | 70% | 57% | 46% | 35% | 26% | 19% | 14% | 9% | 6% | 4% | 2% | 1% | 1% | 1% | 0% | 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3679 | 3606 | 3376 | 3024 | 2604 | 2149 | 1705 | 1315 | 990 | 729 | 515 | 347 | 230 | 146 | 87 | 49 | 29 | 18 | 13 | 9 |
| 100% | 98% | 92% | 82% | 71% | 58% | 46% | 36% | 27% | 20% | 14% | 9% | 6% | 4% | 2% | 1% | 1% | 1% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3679 | 3599 | 3358 | 2995 | 2567 | 2112 | 1675 | 1286 | 971 | 715 | 506 | 341 | 229 | 150 | 91 | 52 | 29 | 19 | 13 | 9 |
| 100% | 98% | 91% | 81% | 70% | 57% | 46% | 35% | 26% | 19% | 14% | 9% | 6% | 4% | 2% | 1% | 1% | 1% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 22.6° | 43.3° | 55.7° | 99.5% | 99.4% |