

Photometric / Colorimetric / Electric Report

Fixture Model:

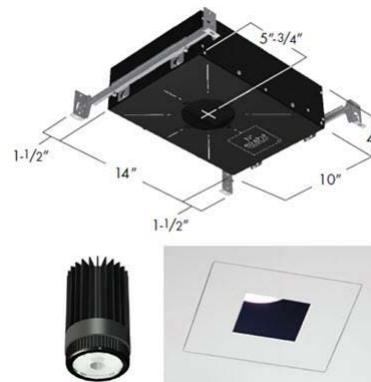
804S-K2S-WD-15-DIM1-8-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

4/8/2022



Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 96.9

Color temperature:

3098 K

CIE 1931:

**x: 0.429
y: 0.398**

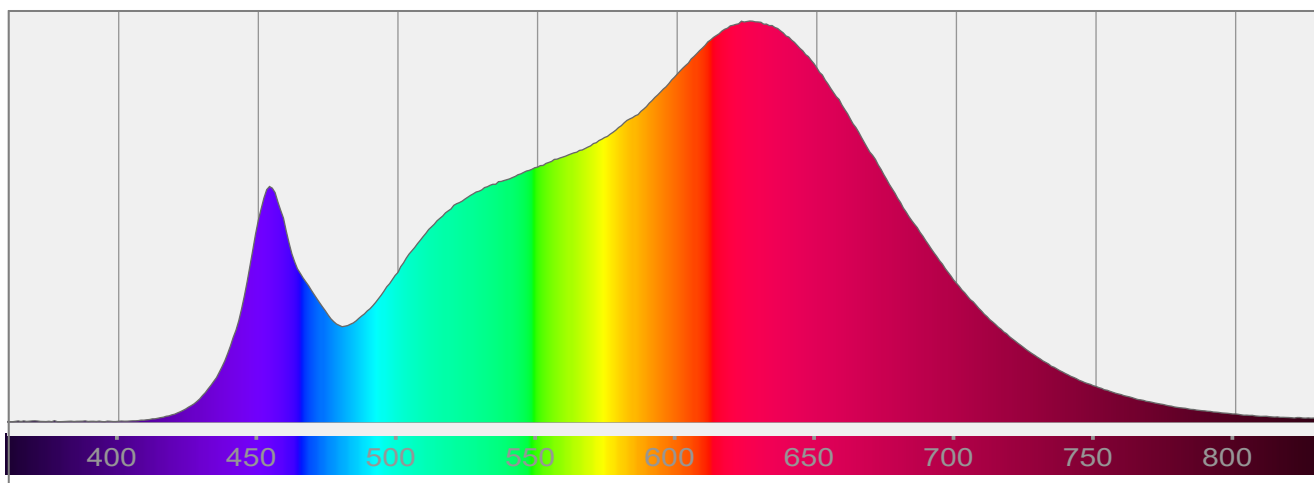
Output: 871 lm

Peak: 3697 cd

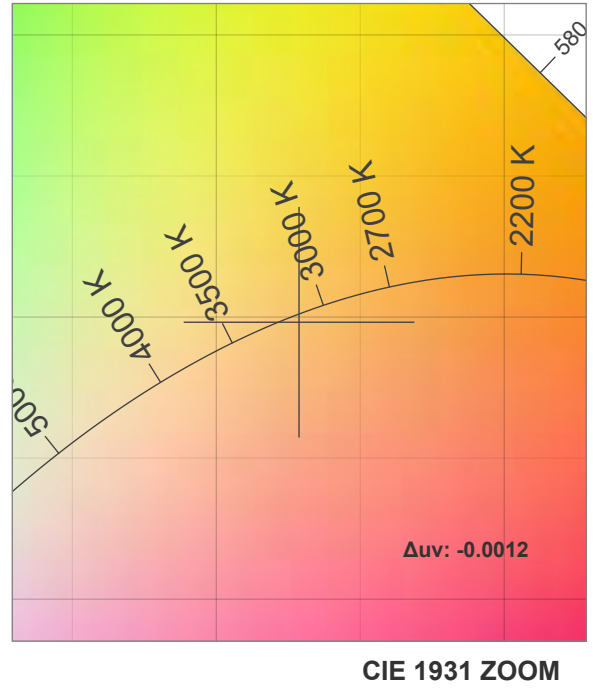
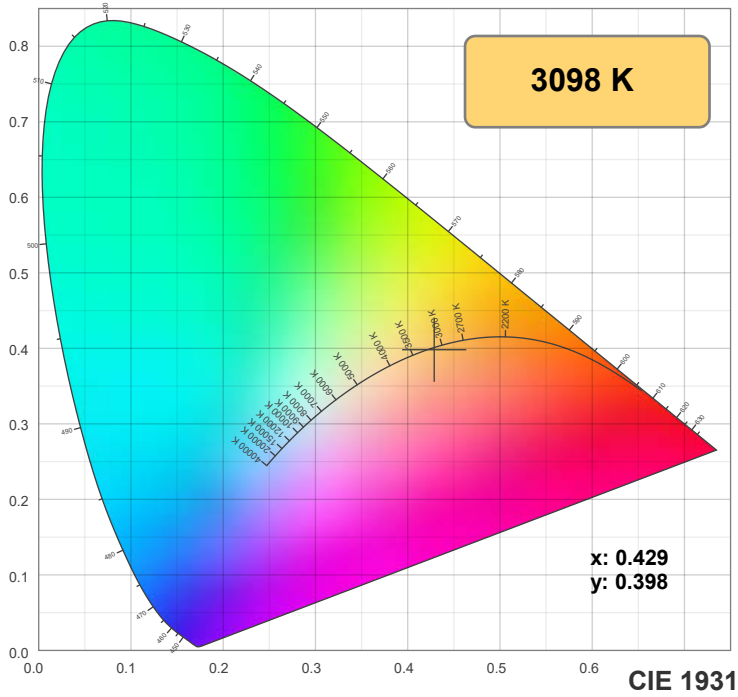
Power: 14.6 W

PF: 0.99

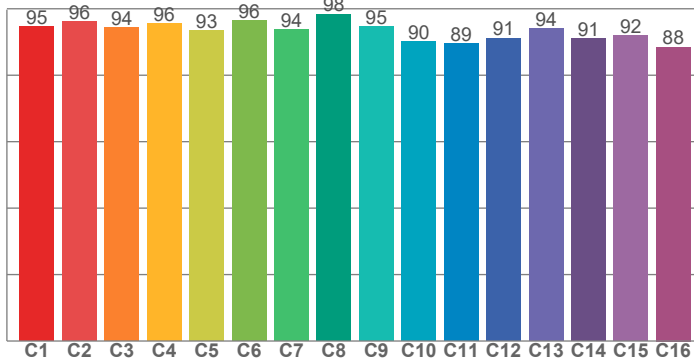
Spectra:



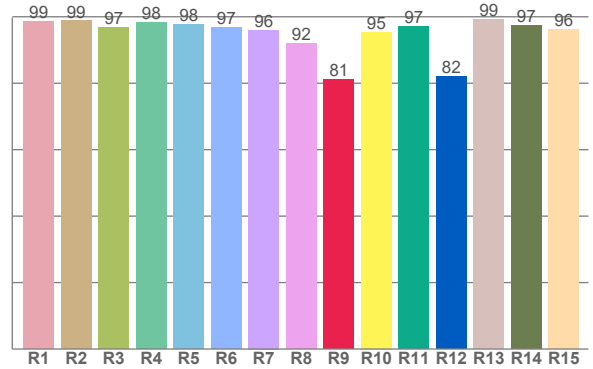
Color Details



TM-30: 93.5



CRI: 96.9 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.5 | 98.8 | 96.9 | 98.2 | 97.8 | 96.9 | 96.0 | 92.0 | 81.1 | 95.4 | 97.2 | 82.0 | 99.1 | 97.3 | 96.1 |

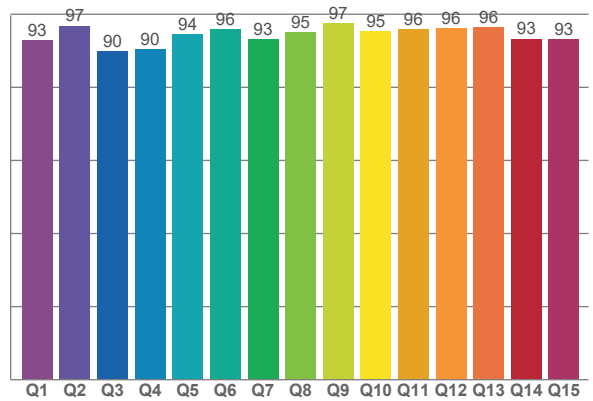
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.7 | 96.1 | 94.4 | 95.6 | 93.4 | 96.4 | 93.8 | 98.4 | 94.7 | 90.2 | 89.5 | 91.2 | 94.0 | 90.9 | 91.9 | 88.5 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.8 | 96.8 | 89.8 | 90.5 | 94.5 | 95.9 | 93.1 | 95.1 | 97.5 | 95.4 | 95.8 | 96.2 | 96.3 | 93.3 | 93.1 |

CQS: 93.9



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 3098 K | 96.9 | 81.1 | 93.5 | 100.8 | 93.9 | 0.429 | 0.398 | 0.248 | 0.345 | -0.0012 |

TM-30 Details

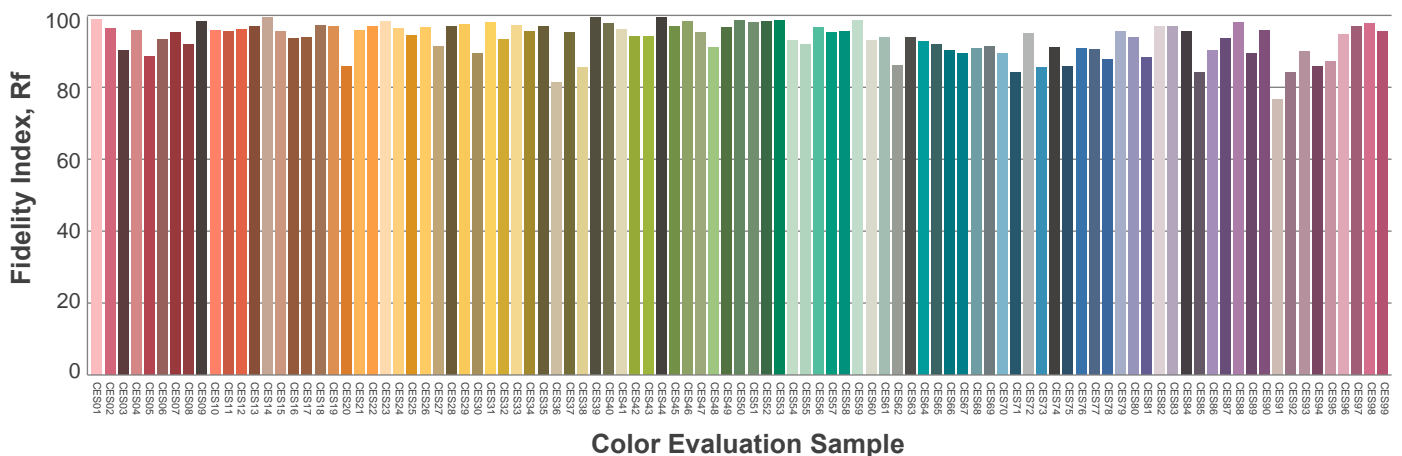
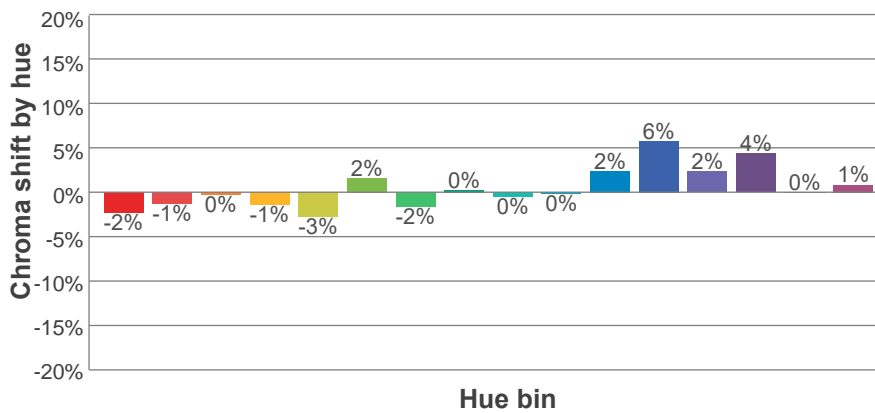
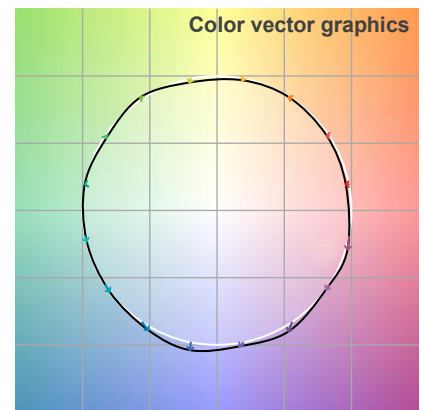
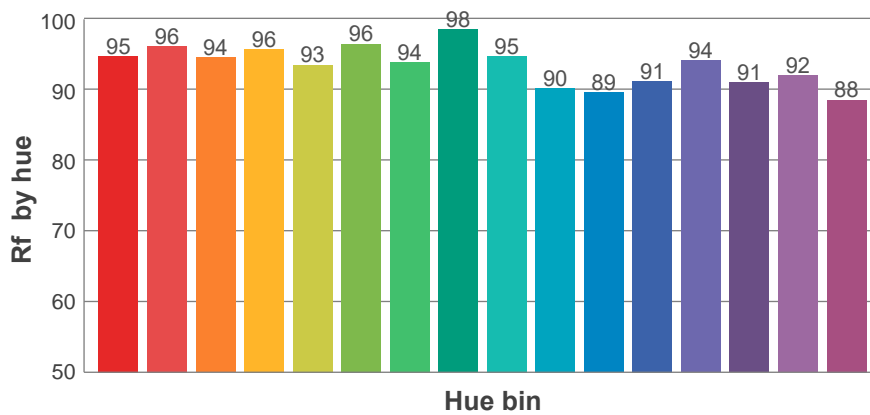
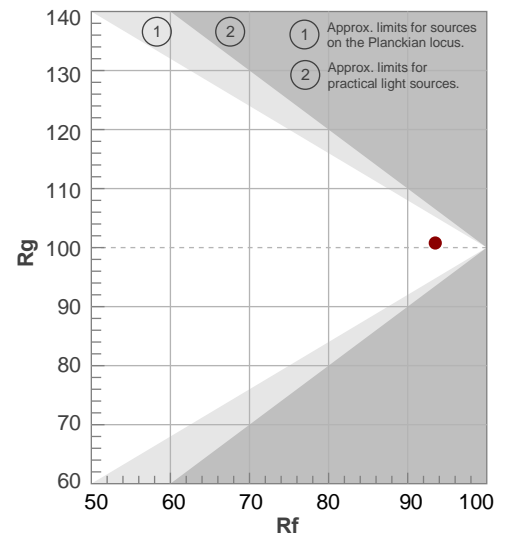
Rf 93.5

Fidelity index Rf

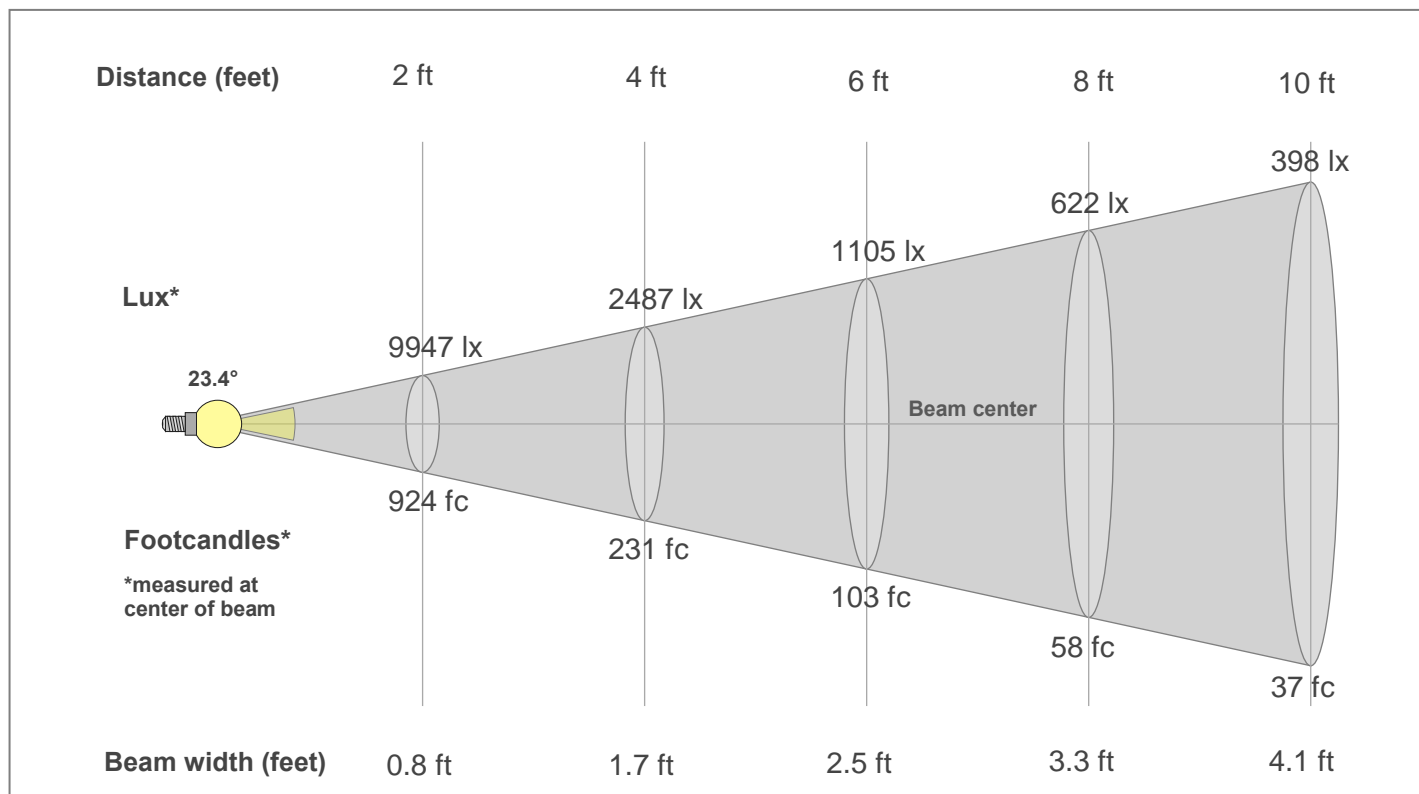
Rg 100.8

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -2% | 0% |
| 2 | 96 | -1% | 1% |
| 3 | 94 | 0% | 2% |
| 4 | 96 | -1% | 0% |
| 5 | 93 | -3% | 2% |
| 6 | 96 | 2% | 1% |
| 7 | 94 | -2% | 1% |
| 8 | 98 | 0% | 0% |
| 9 | 95 | 0% | 4% |
| 10 | 90 | 0% | 6% |
| 11 | 89 | 2% | 7% |
| 12 | 91 | 6% | 1% |
| 13 | 94 | 2% | -3% |
| 14 | 91 | 4% | -6% |
| 15 | 92 | 0% | -4% |
| 16 | 88 | 1% | -9% |



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 |
| 3697lx | 924lx | 411lx | 231lx | 148lx | 103lx | 75lx | 58lx | 46lx | 37lx | 31lx | 26lx | 22lx | 19lx | 16lx | 14lx | 13lx | 11lx | 10lx | 9lx |
| 343.4fc | 85.9fc | 38.2fc | 21.5fc | 13.7fc | 9.5fc | 7fc | 5.4fc | 4.2fc | 3.4fc | 2.8fc | 2.4fc | 2fc | 1.8fc | 1.5fc | 1.3fc | 1.2fc | 1.1fc | 1fc | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3697 | 3637 | 3451 | 3131 | 2716 | 2238 | 1778 | 1376 | 1062 | 824 | 642 | 503 | 394 | 311 | 245 | 193 | 147 | 108 | 77 | 55 |
| 100% | 98% | 93% | 85% | 73% | 61% | 48% | 37% | 29% | 22% | 17% | 14% | 11% | 8% | 7% | 5% | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3697 | 3637 | 3451 | 3131 | 2716 | 2238 | 1778 | 1376 | 1062 | 824 | 642 | 503 | 394 | 311 | 245 | 193 | 147 | 108 | 77 | 55 |
| 100% | 98% | 93% | 85% | 73% | 61% | 48% | 37% | 29% | 22% | 17% | 14% | 11% | 8% | 7% | 5% | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3697 | 3637 | 3451 | 3131 | 2716 | 2238 | 1778 | 1376 | 1062 | 824 | 642 | 503 | 394 | 311 | 245 | 193 | 147 | 108 | 77 | 55 |
| 100% | 98% | 93% | 85% | 73% | 61% | 48% | 37% | 29% | 22% | 17% | 14% | 11% | 8% | 7% | 5% | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3697 | 3637 | 3451 | 3131 | 2716 | 2238 | 1778 | 1376 | 1062 | 824 | 642 | 503 | 394 | 311 | 245 | 193 | 147 | 108 | 77 | 55 |
| 100% | 98% | 93% | 85% | 73% | 61% | 48% | 37% | 29% | 22% | 17% | 14% | 11% | 8% | 7% | 5% | 4% | 3% | 2% | 1% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 23.4° | 49.1° | 69.9° | 99.2% | 98.5% |