

Photometric / Colorimetric / Electric Report

Fixture Model:

400-WD-25-DIM1-4-350-FLS-4-WH

Trim Model:

FLS-4-WH

Date:

4/8/2022



Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 97.0

Color temperature:

3111 K

CIE 1931:

**x: 0.427
y: 0.397**

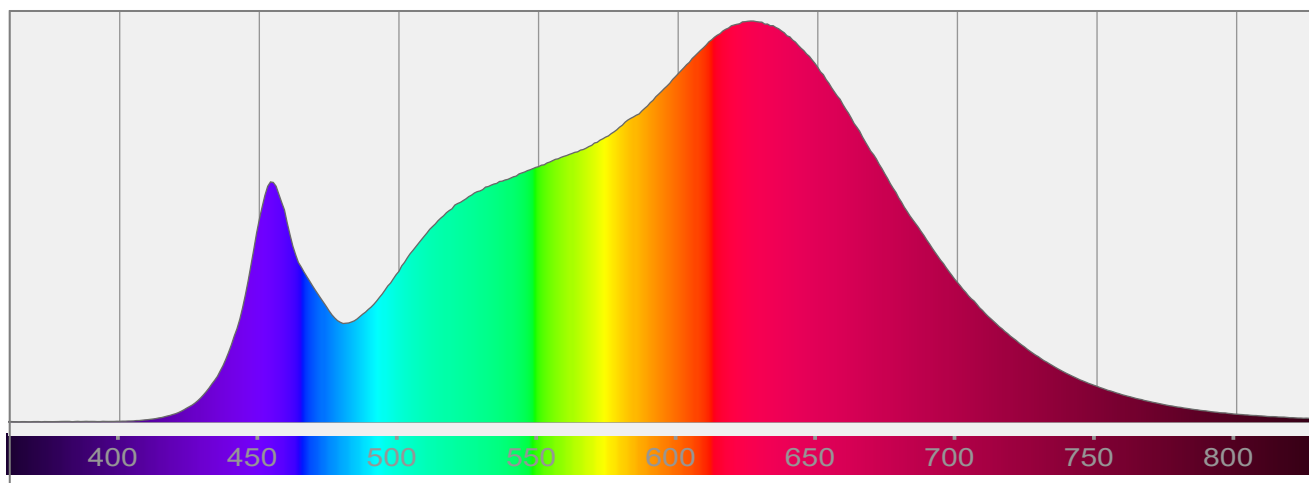
Output: 694 lm

Peak: 2354 cd

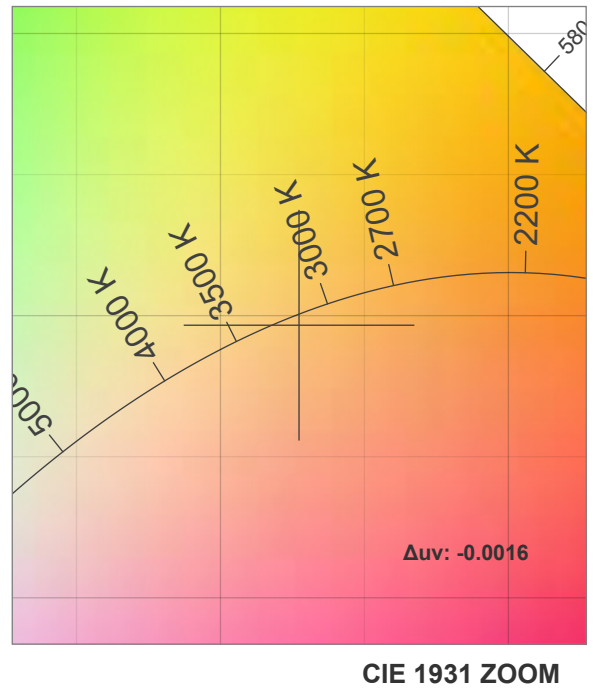
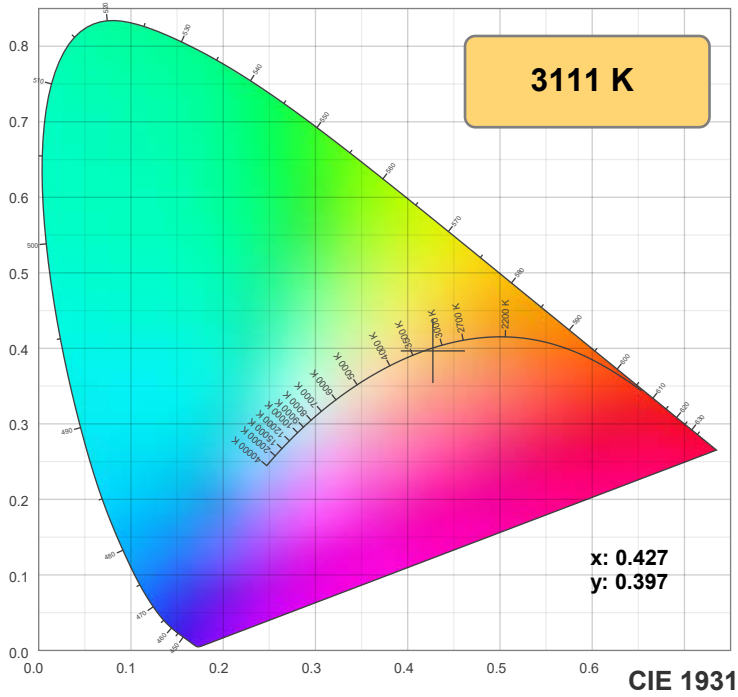
Power: 14.6 W

PF: 0.99

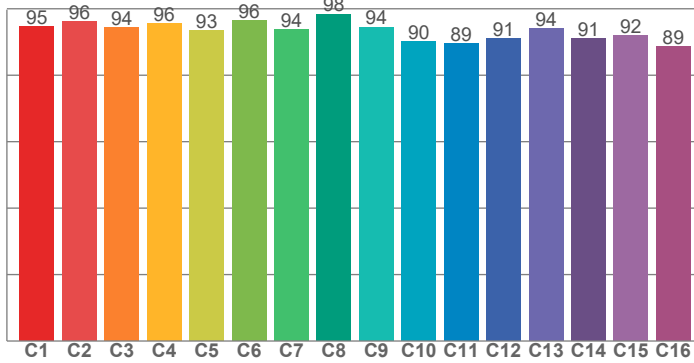
Spectra:



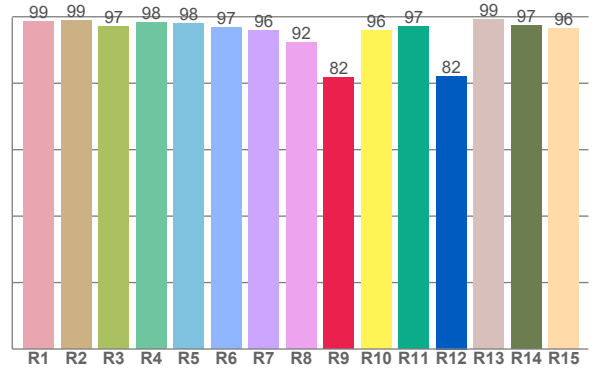
Color Details



TM-30: 93.4



CRI: 97.0 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.7 | 99.0 | 97.1 | 98.2 | 98.0 | 96.8 | 95.9 | 92.1 | 81.8 | 96.0 | 97.2 | 82.2 | 99.3 | 97.4 | 96.4 |

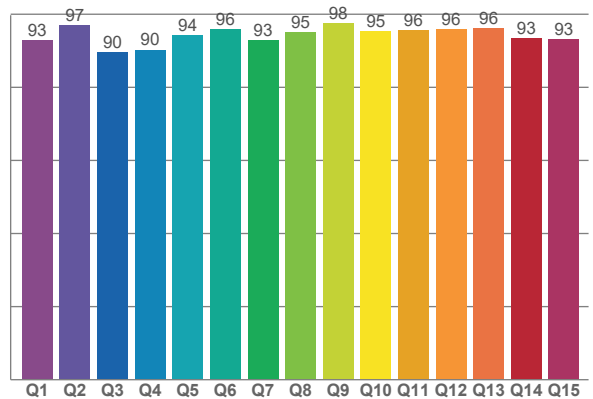
TM30 C Values:

| 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 | 93.7 | 98.4 | 94.5 | 90.0 | 89.4 | 91.1 | 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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.9 | 96.9 | 89.7 | 90.3 | 94.3 | 96.0 | 93.0 | 95.0 | 97.5 | 95.4 | 95.7 | 96.0 | 96.1 | 93.4 | 93.2 |

CQS: 93.8



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 3111 K | 97.0 | 81.8 | 93.4 | 100.8 | 93.8 | 0.427 | 0.397 | 0.248 | 0.345 | -0.0016 |

TM-30 Details

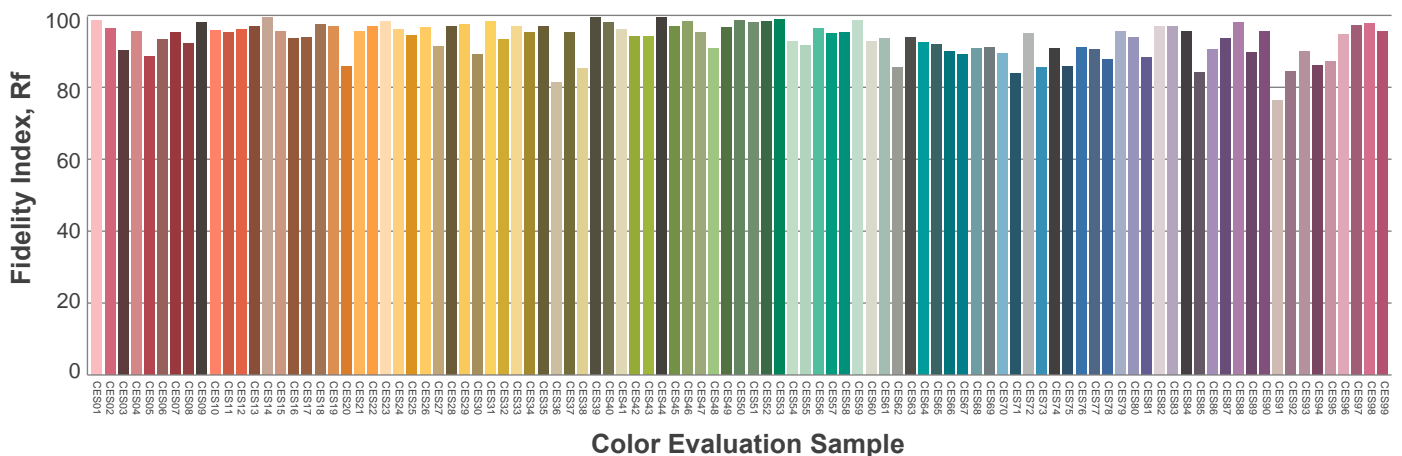
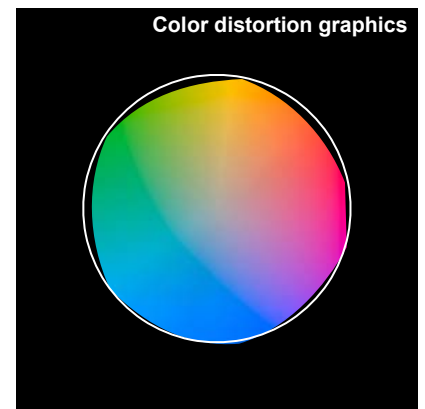
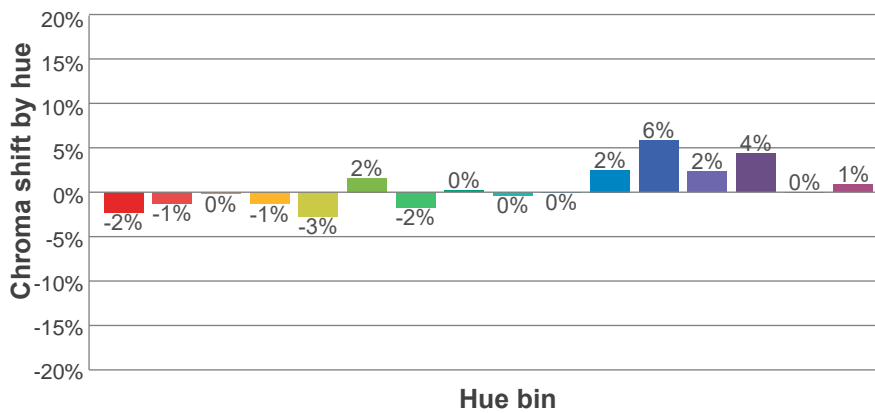
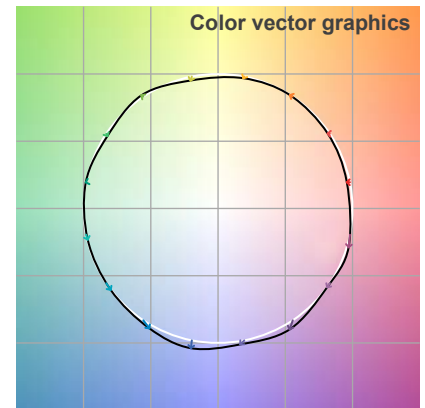
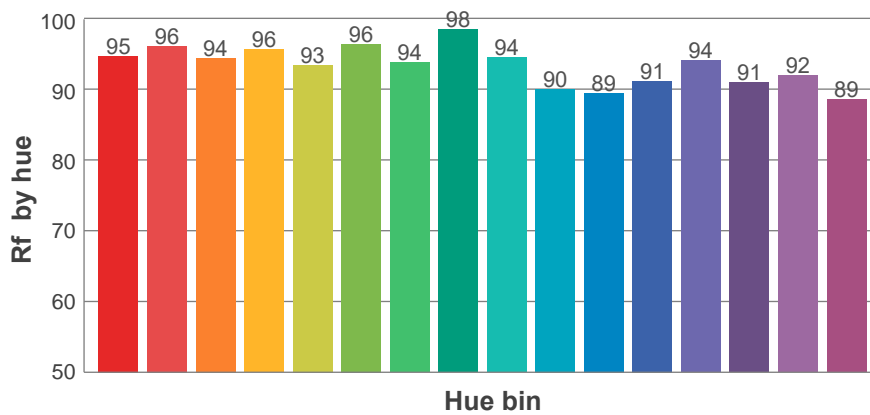
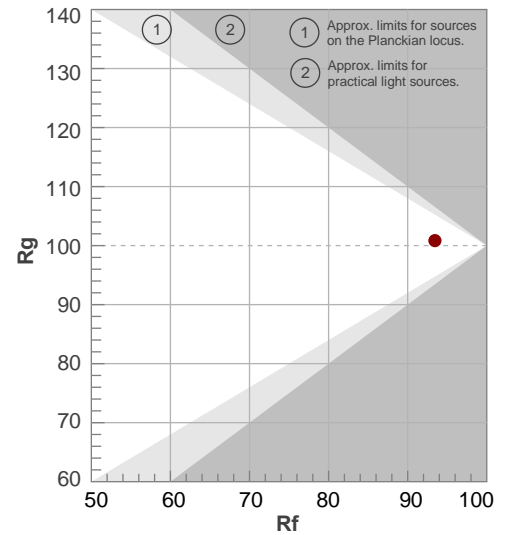
Rf 93.4

Fidelity index Rf

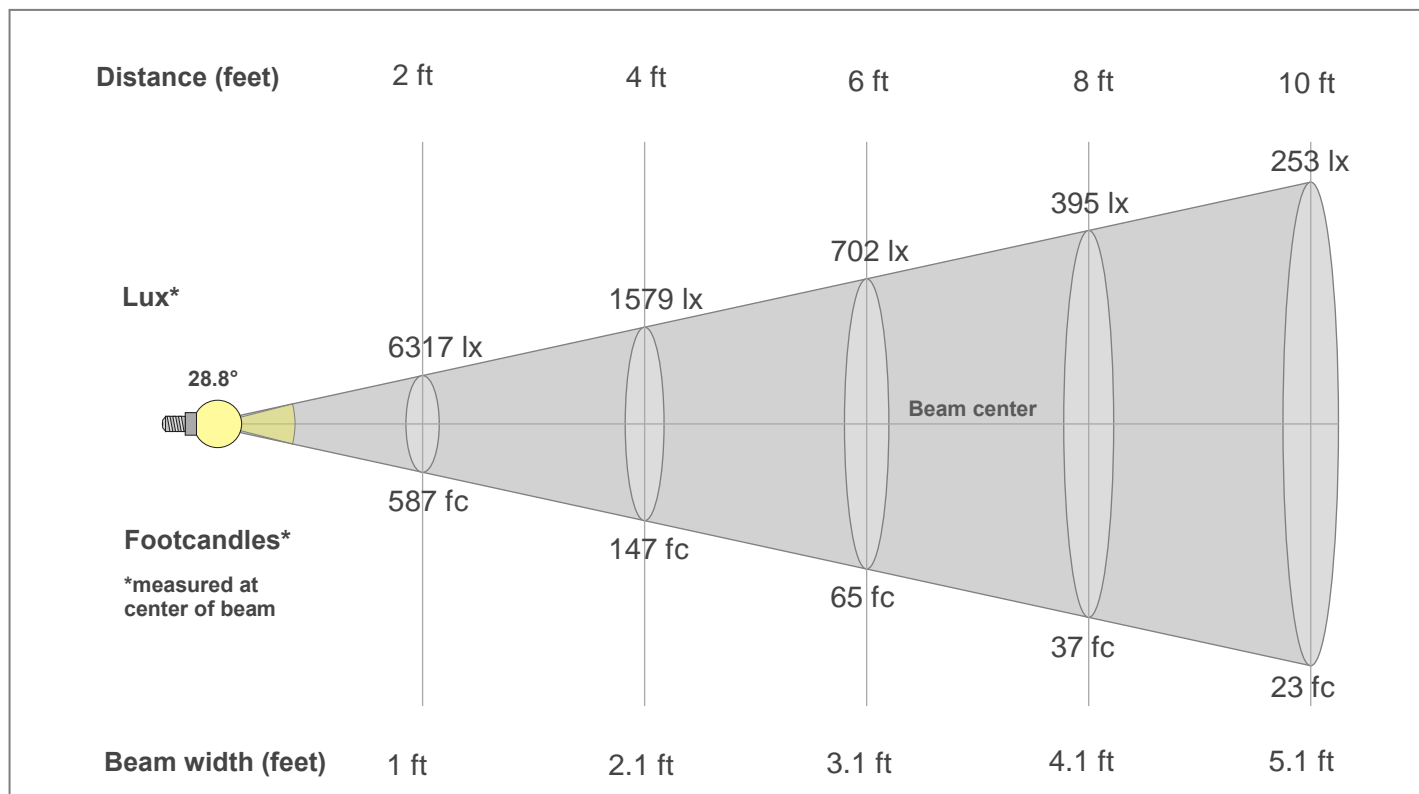
Rg 100.8

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% | 1% |
| 6 | 96 | 2% | 1% |
| 7 | 94 | -2% | 1% |
| 8 | 98 | 0% | 0% |
| 9 | 94 | 0% | 4% |
| 10 | 90 | 0% | 6% |
| 11 | 89 | 2% | 7% |
| 12 | 91 | 6% | 0% |
| 13 | 94 | 2% | -3% |
| 14 | 91 | 4% | -6% |
| 15 | 92 | 0% | -4% |
| 16 | 89 | 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 |
| 2348lx | 587lx | 261lx | 147lx | 94lx | 65lx | 48lx | 37lx | 29lx | 23lx | 19lx | 16lx | 14lx | 12lx | 10lx | 9lx | 8lx | 7lx | 7lx | 6lx |
| 218.1fc | 54.5fc | 24.2fc | 13.6fc | 8.7fc | 6.1fc | 4.5fc | 3.4fc | 2.7fc | 2.2fc | 1.8fc | 1.5fc | 1.3fc | 1.1fc | 1fc | 0.9fc | 0.8fc | 0.7fc | 0.6fc | 0.5fc |

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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2348 | 2307 | 2208 | 2057 | 1873 | 1662 | 1441 | 1208 | 986 | 784 | 614 | 470 | 365 | 281 | 213 | 151 | 102 | 66 | 40 | 23 |
| 100% | 98% | 94% | 88% | 80% | 71% | 61% | 51% | 42% | 33% | 26% | 20% | 16% | 12% | 9% | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2348 | 2328 | 2231 | 2081 | 1899 | 1689 | 1469 | 1235 | 1013 | 809 | 635 | 490 | 382 | 295 | 223 | 160 | 107 | 68 | 41 | 24 |
| 100% | 99% | 95% | 89% | 81% | 72% | 63% | 53% | 43% | 34% | 27% | 21% | 16% | 13% | 10% | 7% | 5% | 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2348 | 2307 | 2208 | 2057 | 1873 | 1662 | 1441 | 1208 | 986 | 784 | 614 | 470 | 365 | 281 | 213 | 151 | 102 | 66 | 40 | 23 |
| 100% | 98% | 94% | 88% | 80% | 71% | 61% | 51% | 42% | 33% | 26% | 20% | 16% | 12% | 9% | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2348 | 2328 | 2231 | 2081 | 1899 | 1689 | 1469 | 1235 | 1013 | 809 | 635 | 490 | 382 | 295 | 223 | 160 | 107 | 68 | 41 | 24 |
| 100% | 99% | 95% | 89% | 81% | 72% | 63% | 53% | 43% | 34% | 27% | 21% | 16% | 13% | 10% | 7% | 5% | 3% | 2% | 1% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 28.8° | 55° | 69.1° | 99.4% | 99.0% |