

Photometric / Colorimetric / Electric Report

Fixture Model:

MPT2-S-WD-6-WH-15-DIM1-M-350

Trim Model:



Date:

3/25/2022

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 96.6

Color temperature:

3110 K

CIE 1931:

x: 0.429
y: 0.401

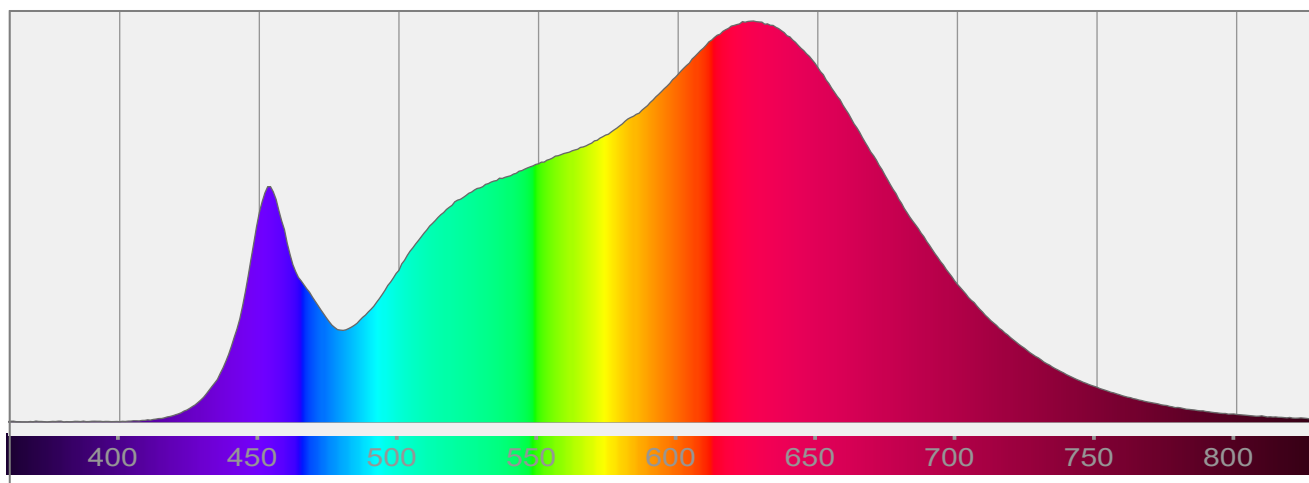
Output: 927 lm

Peak: 4045 cd

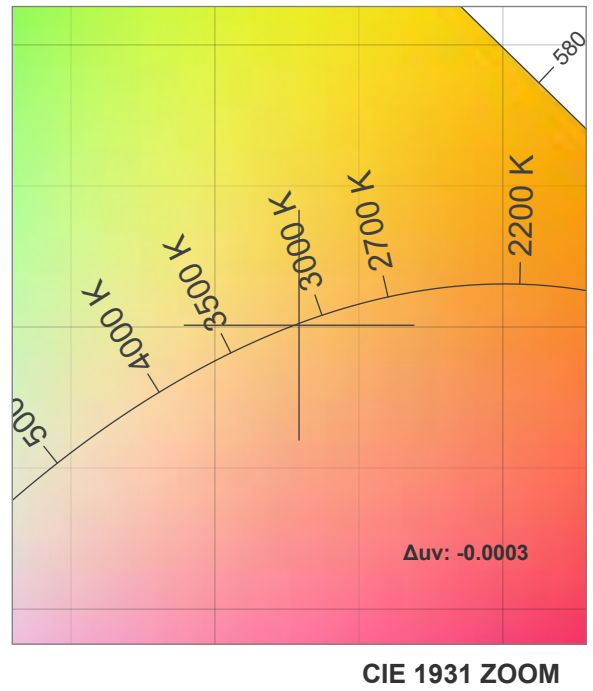
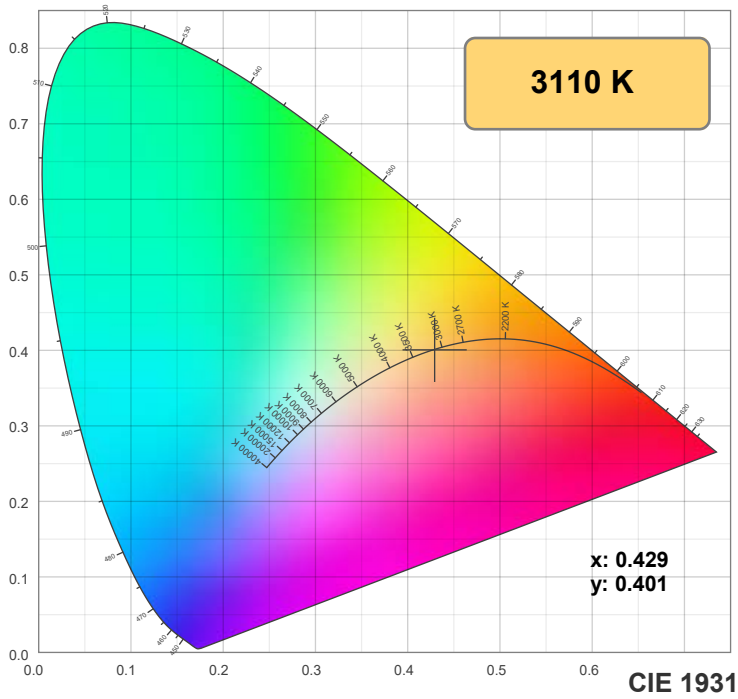
Power: 14.7 W

PF: 0.99

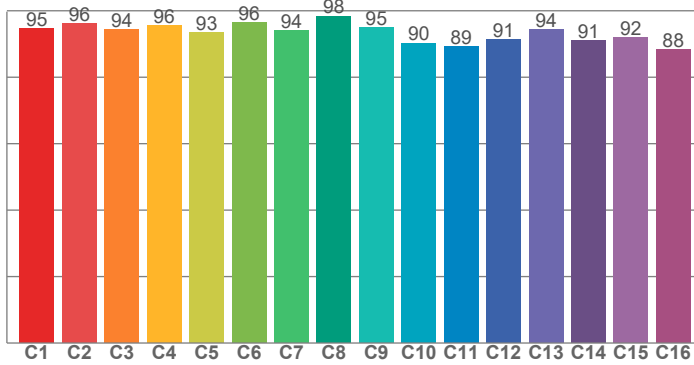
Spectra:



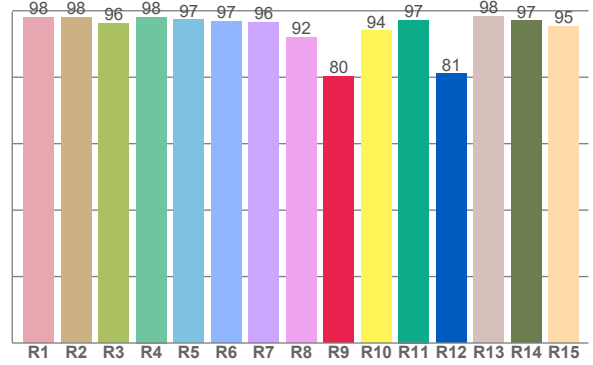
Color Details



TM-30: 93.5



CRI: 96.6 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.1 | 98.1 | 96.2 | 98.1 | 97.2 | 96.7 | 96.5 | 91.9 | 80.1 | 93.9 | 97.2 | 81.0 | 98.4 | 96.9 | 95.4 |

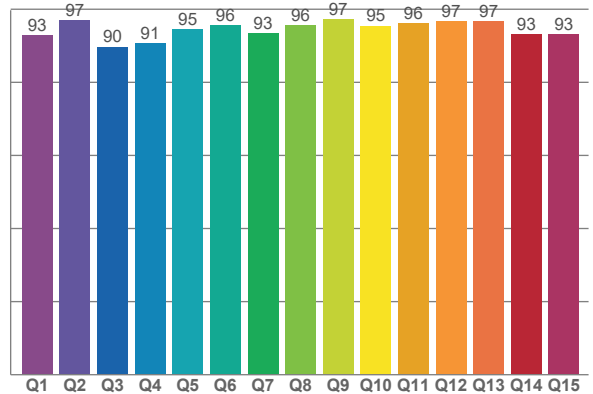
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.7 | 96.2 | 94.4 | 95.6 | 93.4 | 96.5 | 94.0 | 98.4 | 94.9 | 90.3 | 89.3 | 91.2 | 94.2 | 90.9 | 91.9 | 88.3 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.8 | 96.9 | 89.7 | 90.7 | 94.6 | 95.5 | 93.3 | 95.5 | 97.3 | 95.5 | 96.2 | 96.7 | 96.8 | 93.2 | 93.0 |

CQS: 93.9



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|-------------|
| 3110 K | 96.6 | 80.1 | 93.5 | 100.7 | 93.9 | 0.429 | 0.401 | 0.247 | 0.346 | -0.0003 |

TM-30 Details

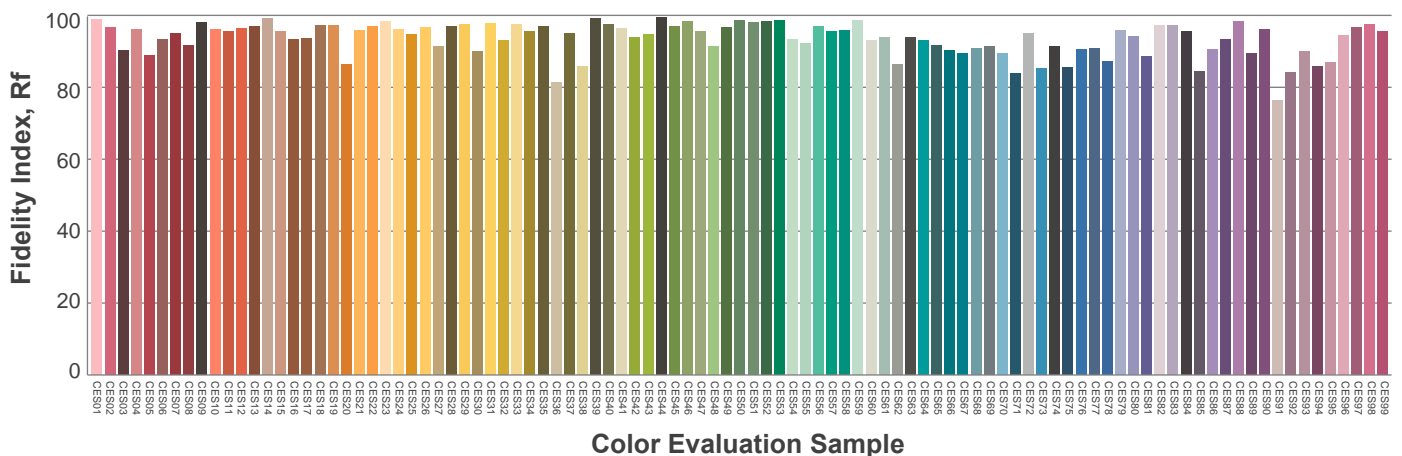
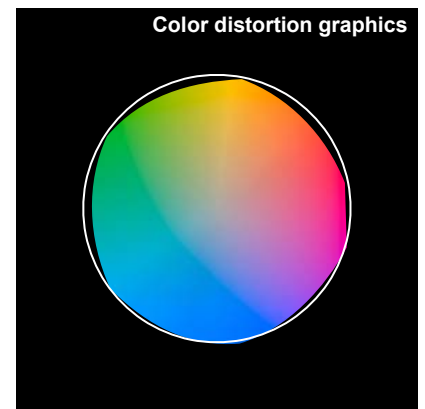
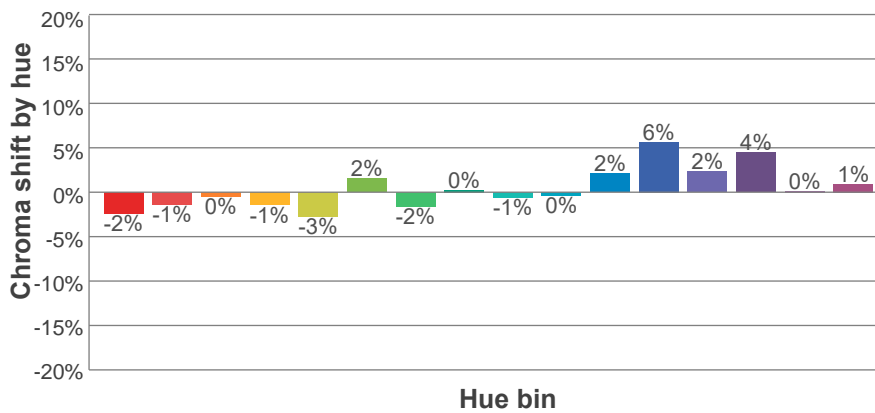
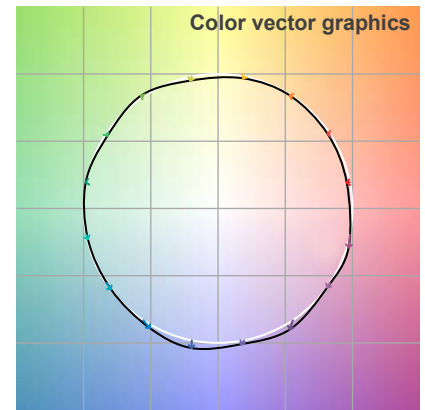
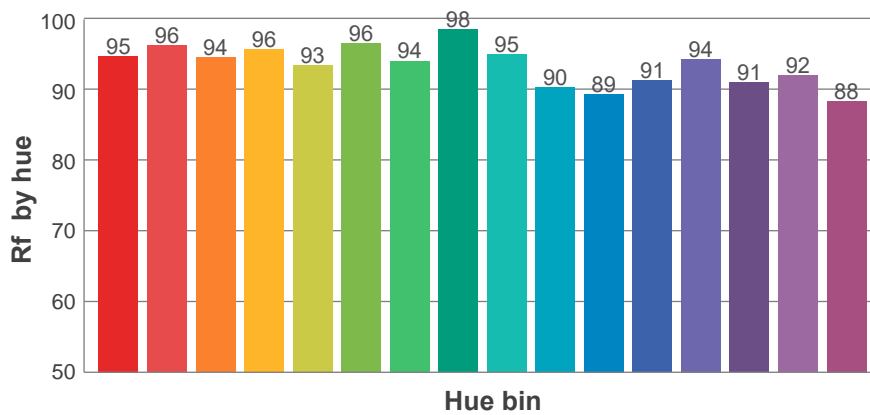
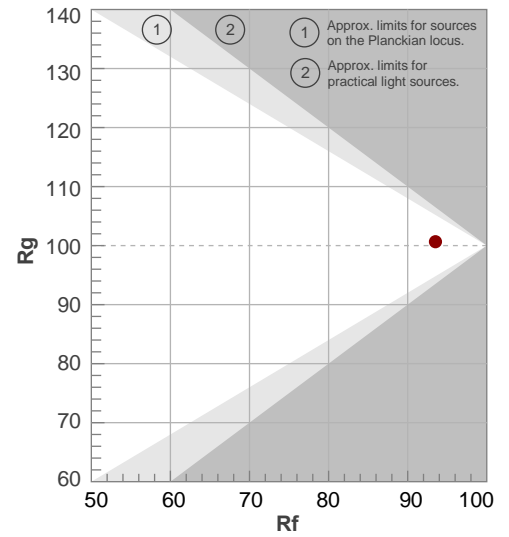
Rf 93.5

Fidelity index Rf

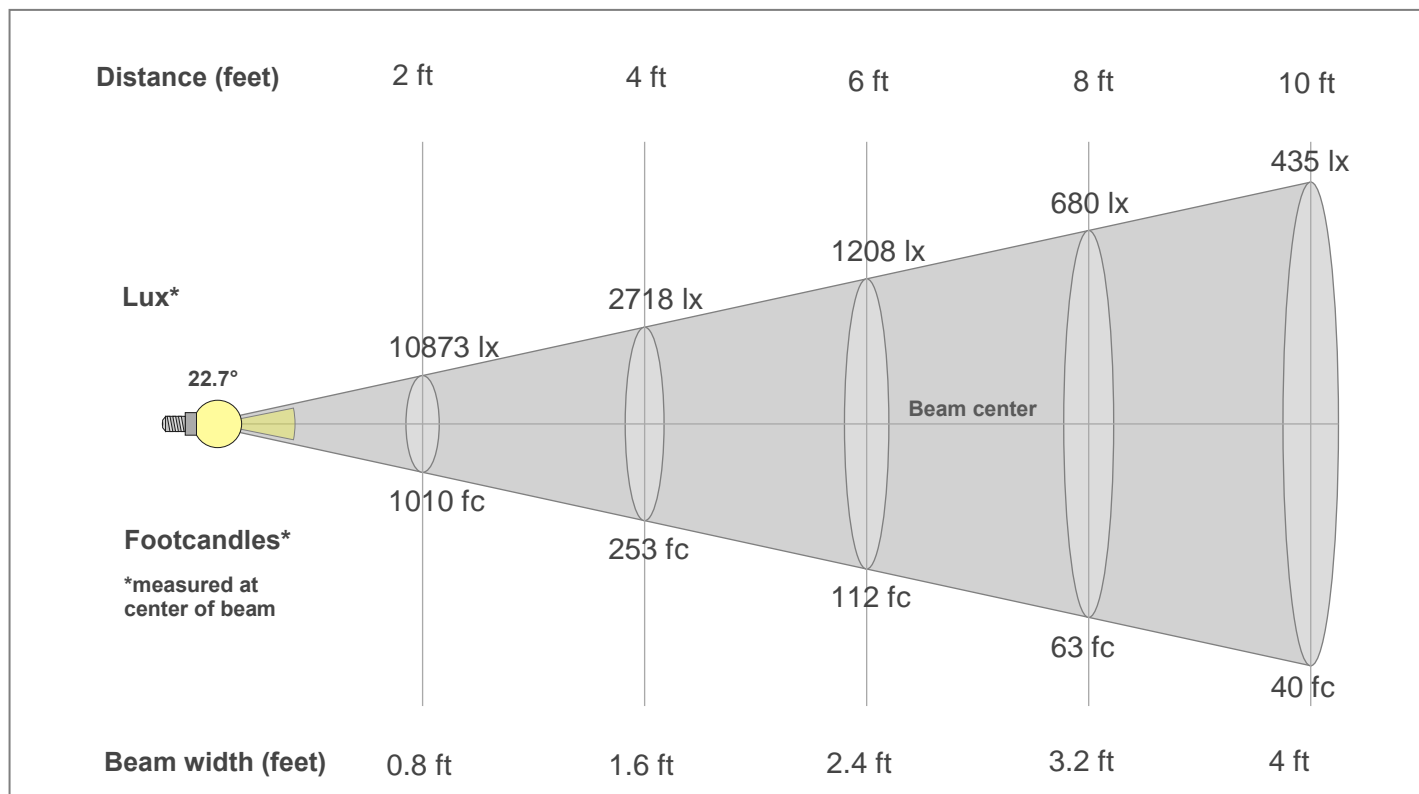
Rg 100.7

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% | 1% |
| 5 | 93 | -3% | 2% |
| 6 | 96 | 2% | 1% |
| 7 | 94 | -2% | 1% |
| 8 | 98 | 0% | 0% |
| 9 | 95 | -1% | 3% |
| 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 |
| 4041lx | 1010lx | 449lx | 253lx | 162lx | 112lx | 82lx | 63lx | 50lx | 40lx | 33lx | 28lx | 24lx | 21lx | 18lx | 16lx | 14lx | 12lx | 11lx | 10lx |
| 375.4fc | 93.8fc | 41.7fc | 23.5fc | 15fc | 10.4fc | 7.7fc | 5.9fc | 4.6fc | 3.8fc | 3.1fc | 2.6fc | 2.2fc | 1.9fc | 1.7fc | 1.5fc | 1.3fc | 1.2fc | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4041 | 3973 | 3742 | 3362 | 2873 | 2337 | 1843 | 1429 | 1113 | 872 | 684 | 532 | 414 | 325 | 258 | 206 | 163 | 128 | 101 | 80 |
| 100% | 98% | 93% | 83% | 71% | 58% | 46% | 35% | 28% | 22% | 17% | 13% | 10% | 8% | 6% | 5% | 4% | 3% | 3% | 2% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4041 | 3975 | 3773 | 3417 | 2942 | 2399 | 1877 | 1428 | 1085 | 829 | 639 | 495 | 385 | 301 | 238 | 190 | 152 | 121 | 96 | 76 |
| 100% | 98% | 93% | 85% | 73% | 59% | 46% | 35% | 27% | 21% | 16% | 12% | 10% | 7% | 6% | 5% | 4% | 3% | 2% | 2% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4041 | 3973 | 3742 | 3362 | 2873 | 2337 | 1843 | 1429 | 1113 | 872 | 684 | 532 | 414 | 325 | 258 | 206 | 163 | 128 | 101 | 80 |
| 100% | 98% | 93% | 83% | 71% | 58% | 46% | 35% | 28% | 22% | 17% | 13% | 10% | 8% | 6% | 5% | 4% | 3% | 3% | 2% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4041 | 3975 | 3773 | 3417 | 2942 | 2399 | 1877 | 1428 | 1085 | 829 | 639 | 495 | 385 | 301 | 238 | 190 | 152 | 121 | 96 | 76 |
| 100% | 98% | 93% | 85% | 73% | 59% | 46% | 35% | 27% | 21% | 16% | 12% | 10% | 7% | 6% | 5% | 4% | 3% | 2% | 2% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 22.7° | 47.8° | 71.6° | 99.3% | 98.4% |