

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-IC-S-HI3500-25-EL1-2-500-FLS-2-BV

Trim Model:

FLS-2-BV-WH

Date:

8/10/2022



Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3451 K

CIE 1931:

x: 0.407
y: 0.389

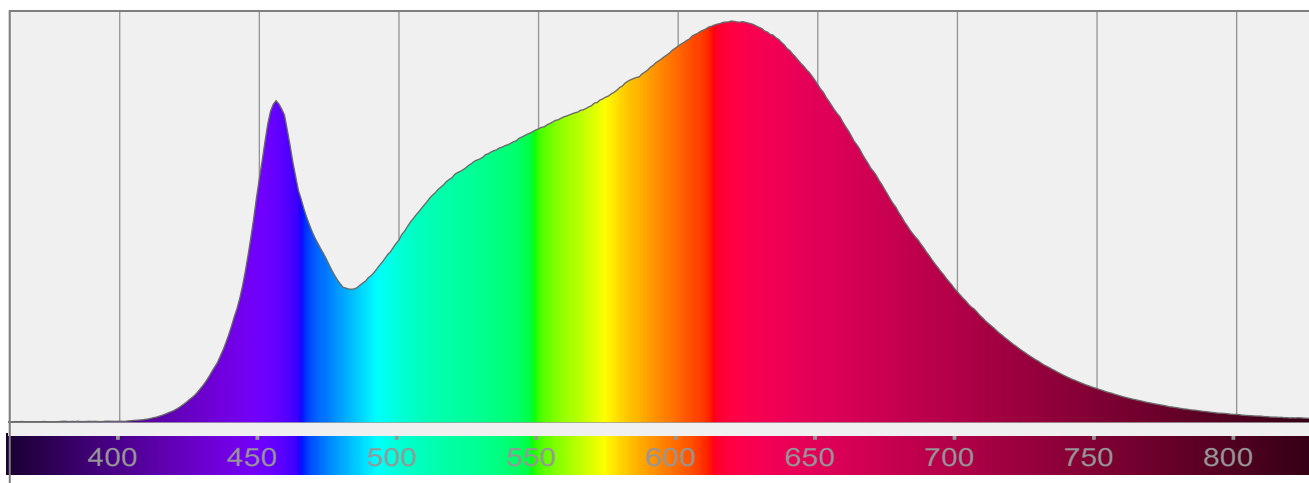
Output: 1405 lm

Peak: 4095 cd

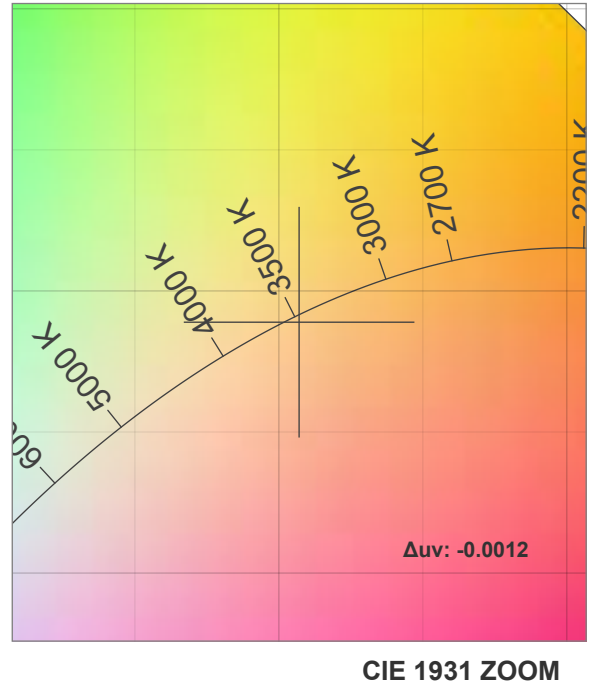
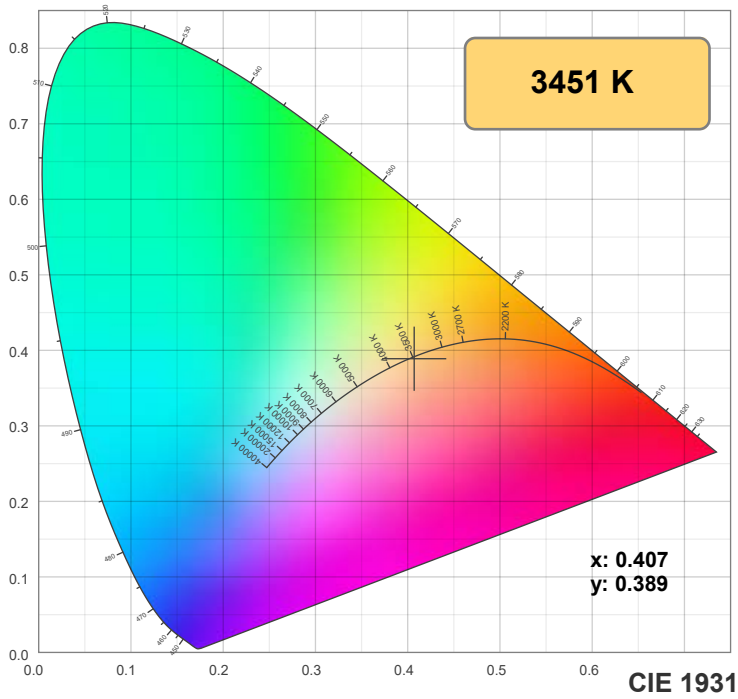
Power: 19.5 W

PF: 0.98

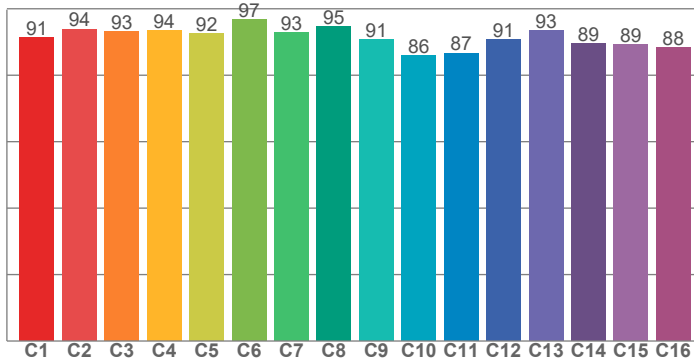
Spectra:



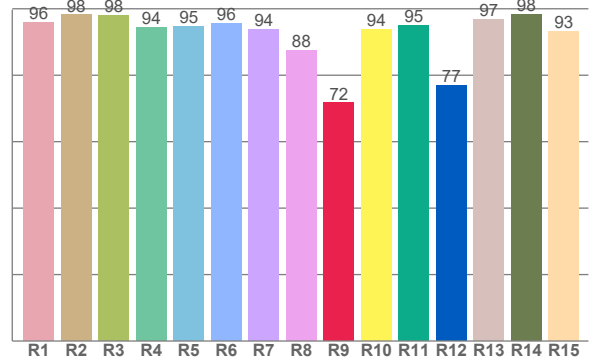
Color Details



TM-30: 91.3



CRI: 94.8 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95.8 | 98.2 | 98.1 | 94.4 | 94.6 | 95.7 | 93.8 | 87.5 | 71.7 | 93.8 | 95.0 | 76.9 | 96.9 | 98.4 | 93.1 |

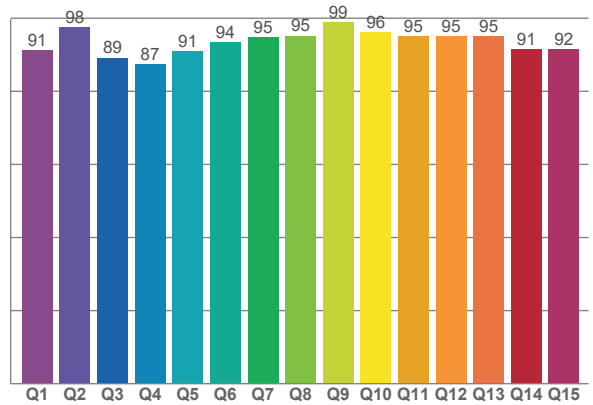
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.3 | 93.9 | 93.2 | 93.6 | 92.4 | 96.8 | 92.9 | 94.6 | 90.8 | 85.9 | 86.6 | 90.7 | 93.4 | 89.5 | 89.3 | 88.3 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.2 | 97.6 | 89.2 | 87.4 | 90.9 | 93.5 | 94.7 | 95.2 | 98.9 | 96.1 | 95.1 | 95.0 | 95.1 | 91.5 | 91.6 |

CQS: 92.8



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 3451 K | 94.8 | 71.7 | 91.3 | 98.3 | 92.8 | 0.407 | 0.389 | 0.238 | 0.341 | -0.0012 |

TM-30 Details

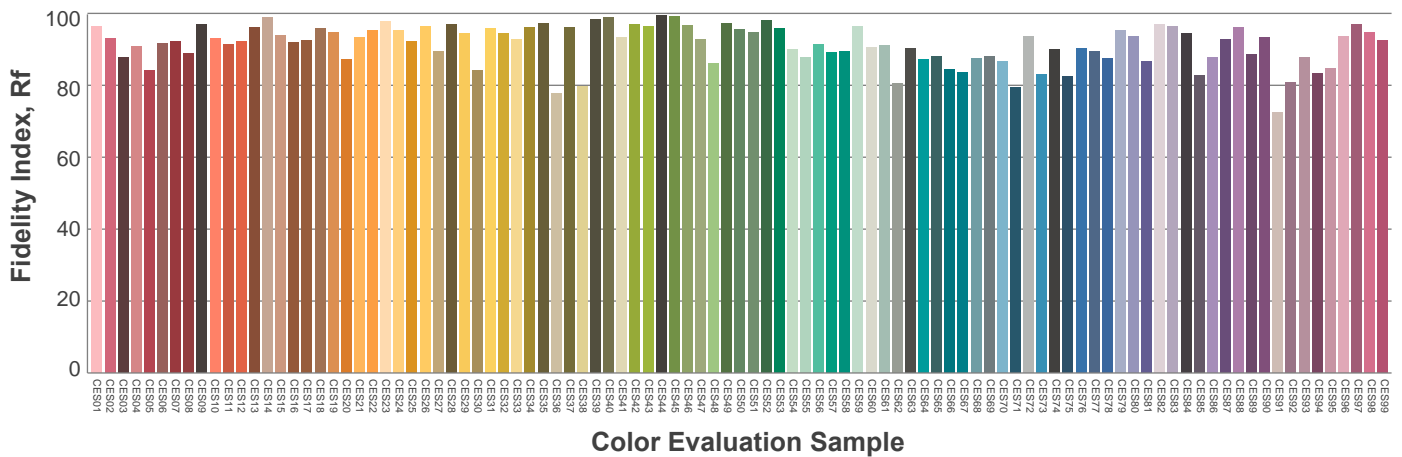
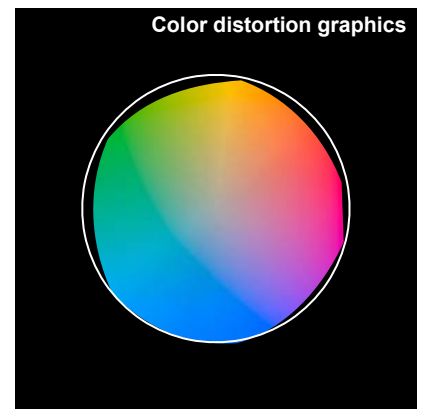
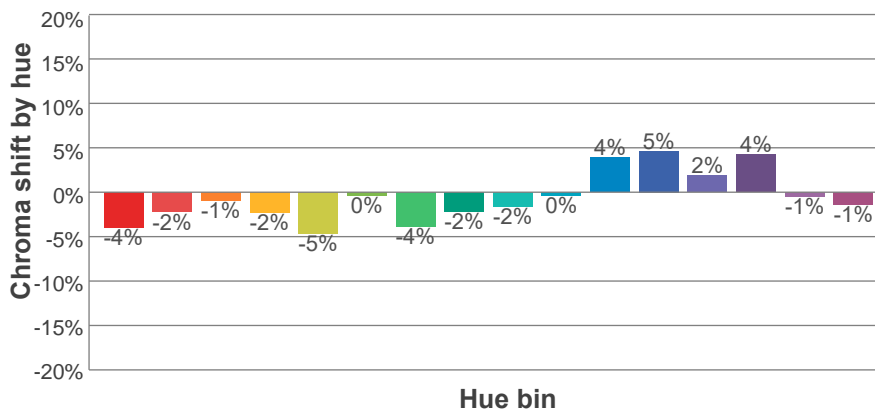
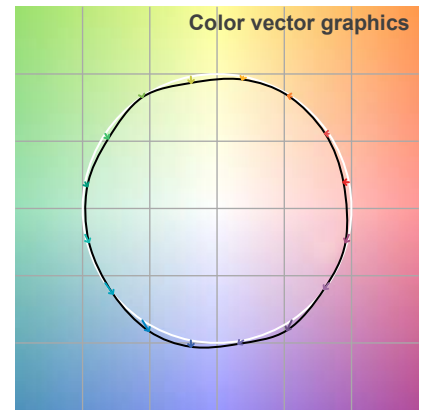
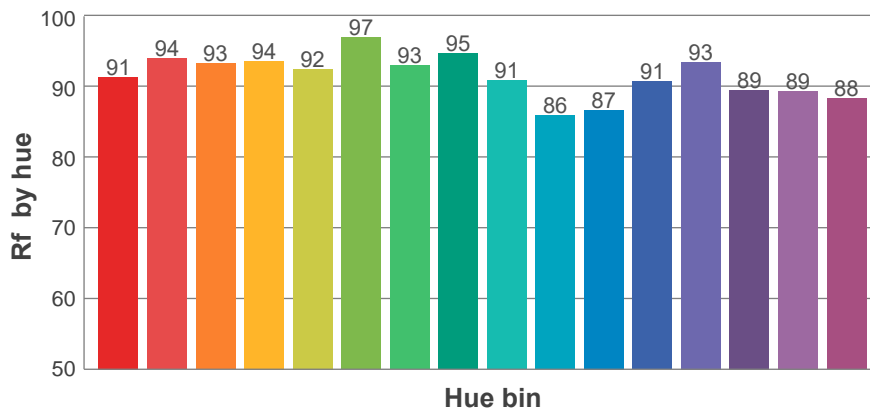
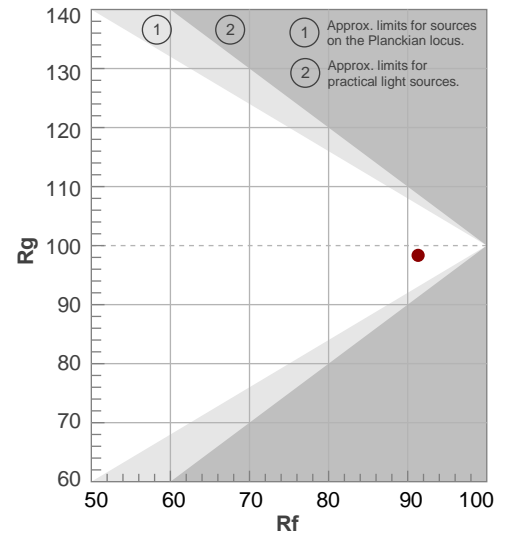
Rf 91.3

Fidelity index Rf

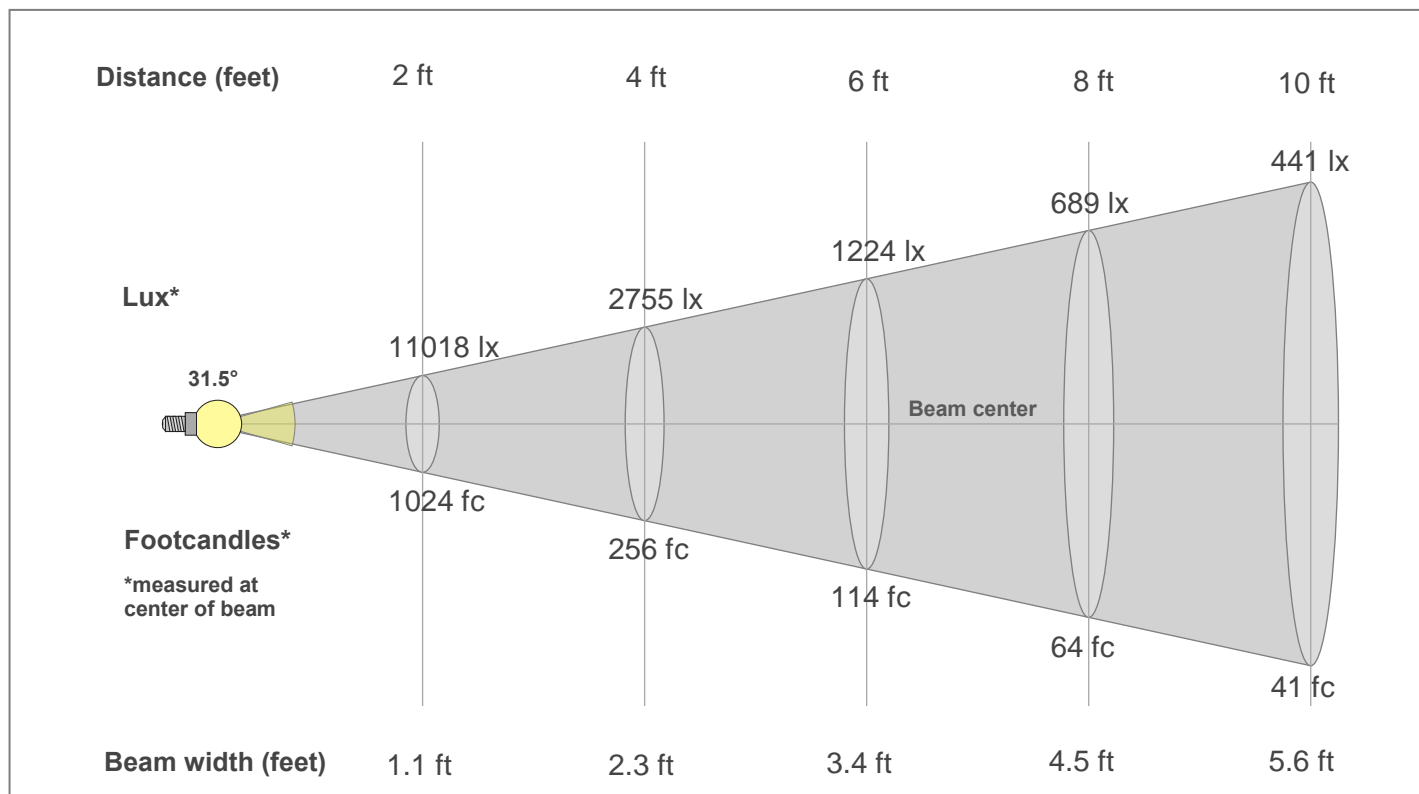
Rg 98.3

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 91 | -4% | 1% |
| 2 | 94 | -2% | 2% |
| 3 | 93 | -1% | 3% |
| 4 | 94 | -2% | 0% |
| 5 | 92 | -5% | 1% |
| 6 | 97 | 0% | 0% |
| 7 | 93 | -4% | 2% |
| 8 | 95 | -2% | 3% |
| 9 | 91 | -2% | 6% |
| 10 | 86 | 0% | 10% |
| 11 | 87 | 4% | 8% |
| 12 | 91 | 5% | 1% |
| 13 | 93 | 2% | -4% |
| 14 | 89 | 4% | -7% |
| 15 | 89 | -1% | -6% |
| 16 | 88 | -1% | -6% |



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 |
| 4095lx | 1024lx | 455lx | 256lx | 164lx | 114lx | 84lx | 64lx | 51lx | 41lx | 34lx | 28lx | 24lx | 21lx | 18lx | 16lx | 14lx | 13lx | 11lx | 10lx |
| 380.4fc | 95.1fc | 42.3fc | 23.8fc | 15.2fc | 10.6fc | 7.8fc | 5.9fc | 4.7fc | 3.8fc | 3.1fc | 2.6fc | 2.3fc | 1.9fc | 1.7fc | 1.5fc | 1.3fc | 1.2fc | 1.1fc | 1fc |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4095 | 4062 | 3952 | 3777 | 3533 | 3221 | 2853 | 2436 | 1996 | 1567 | 1189 | 887 | 659 | 497 | 385 | 303 | 242 | 195 | 156 | 126 |
| 100% | 99% | 97% | 92% | 86% | 79% | 70% | 60% | 49% | 38% | 29% | 22% | 16% | 12% | 9% | 7% | 6% | 5% | 4% | 3% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4095 | 4062 | 3952 | 3777 | 3533 | 3221 | 2853 | 2436 | 1996 | 1567 | 1189 | 887 | 659 | 497 | 385 | 303 | 242 | 195 | 156 | 126 |
| 100% | 99% | 97% | 92% | 86% | 79% | 70% | 60% | 49% | 38% | 29% | 22% | 16% | 12% | 9% | 7% | 6% | 5% | 4% | 3% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4095 | 4062 | 3952 | 3777 | 3533 | 3221 | 2853 | 2436 | 1996 | 1567 | 1189 | 887 | 659 | 497 | 385 | 303 | 242 | 195 | 156 | 126 |
| 100% | 99% | 97% | 92% | 86% | 79% | 70% | 60% | 49% | 38% | 29% | 22% | 16% | 12% | 9% | 7% | 6% | 5% | 4% | 3% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4095 | 4062 | 3952 | 3777 | 3533 | 3221 | 2853 | 2436 | 1996 | 1567 | 1189 | 887 | 659 | 497 | 385 | 303 | 242 | 195 | 156 | 126 |
| 100% | 99% | 97% | 92% | 86% | 79% | 70% | 60% | 49% | 38% | 29% | 22% | 16% | 12% | 9% | 7% | 6% | 5% | 4% | 3% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 31.5° | 55° | 80° | 99.1% | 97.1% |