

Photometric / Colorimetric / Electric Report

Fixture Model:

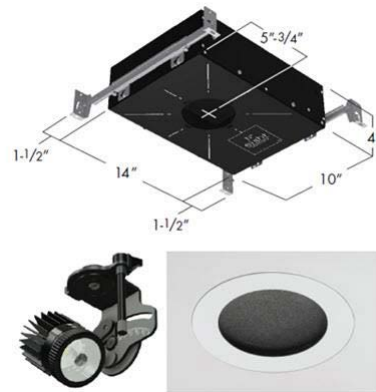
804S-J2S-HI-3-30-15-PR1-8-350-FR-LG-P-1-WH-NL

Trim Model:

FR-P-1-WH-LG/NL

Date:

12/11/2023



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 97.4

Color temperature:

3004 K

CIE 1931:

**x: 0.434
y: 0.399**

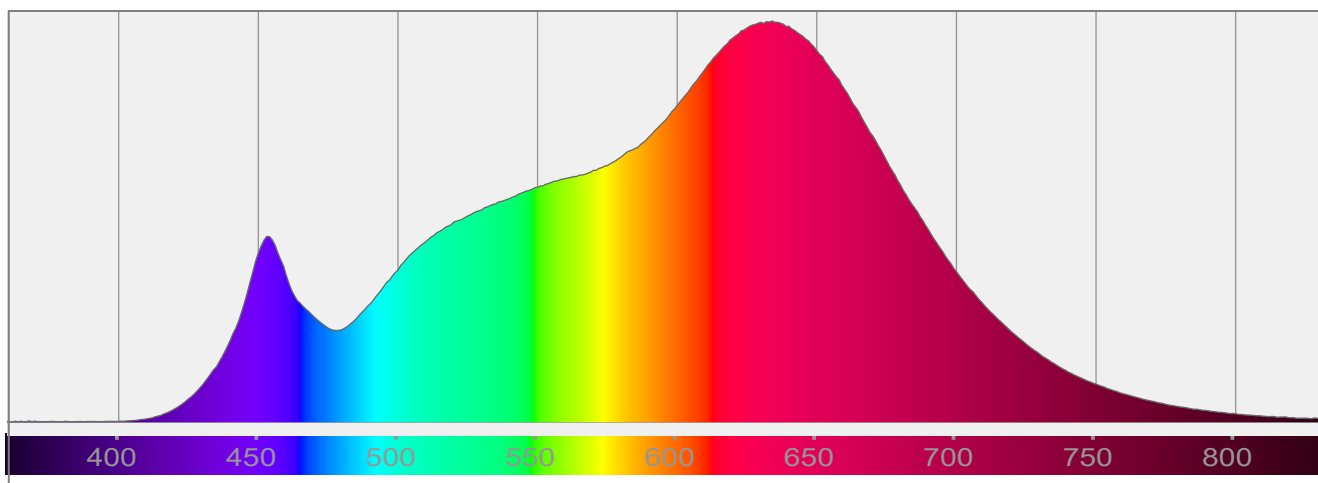
Output: 920 lm

Peak: 7620 cd

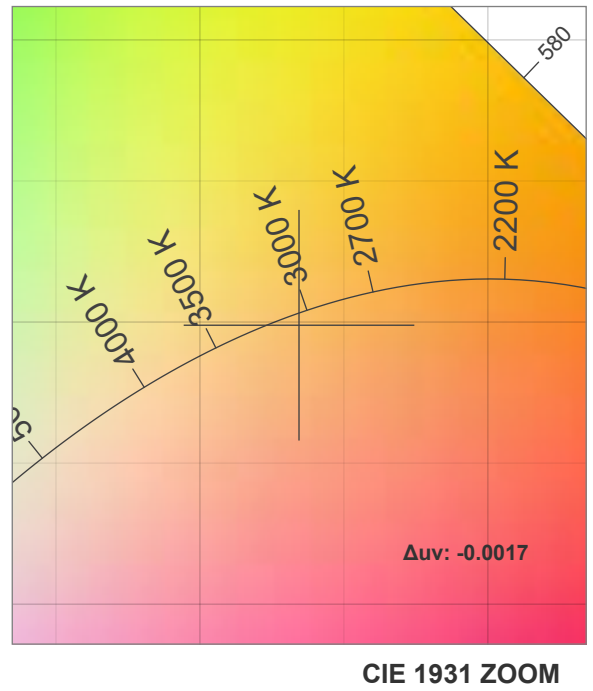
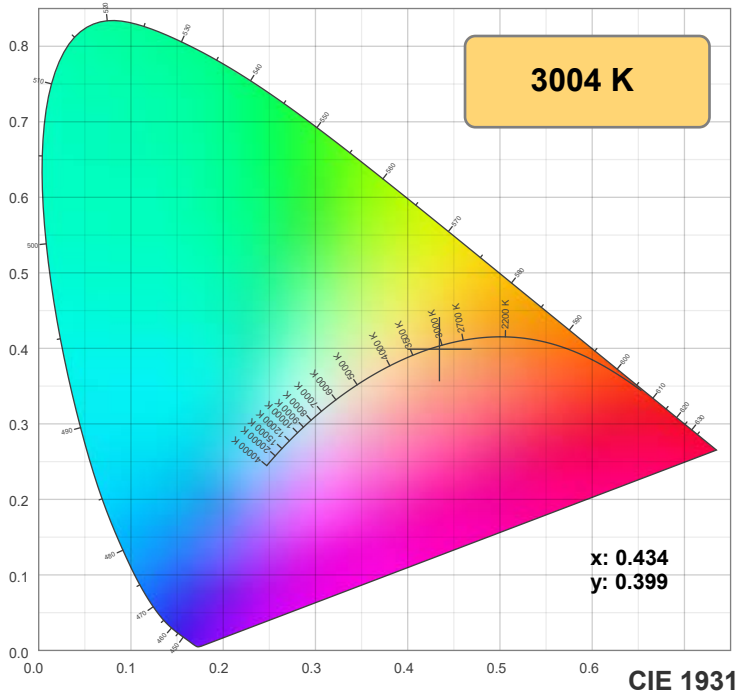
Power: 14.7 W

PF: 0.99

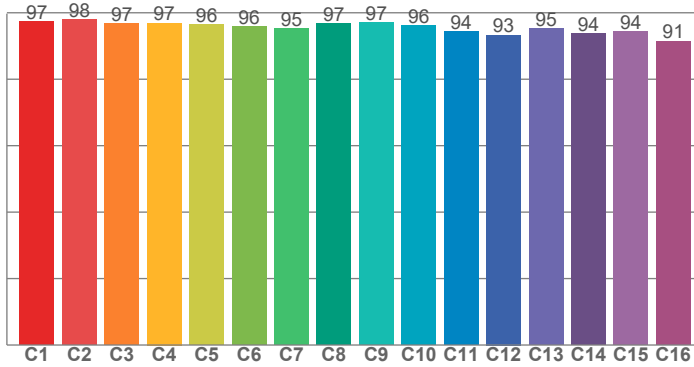
Spectra:



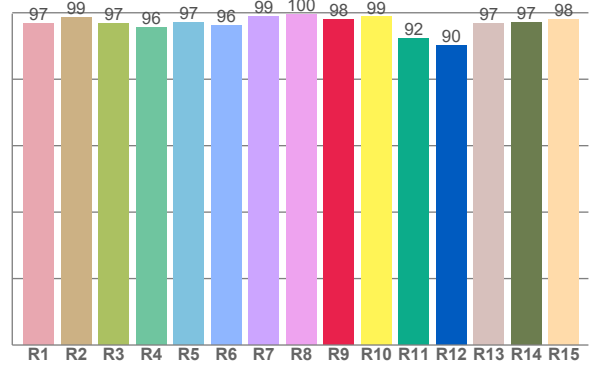
Color Details



TM-30: 95.9



CRI: 97.4 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96.6 | 98.6 | 96.7 | 95.7 | 97.0 | 96.3 | 98.8 | 99.5 | 97.9 | 98.8 | 92.3 | 90.1 | 96.8 | 97.1 | 98.1 |

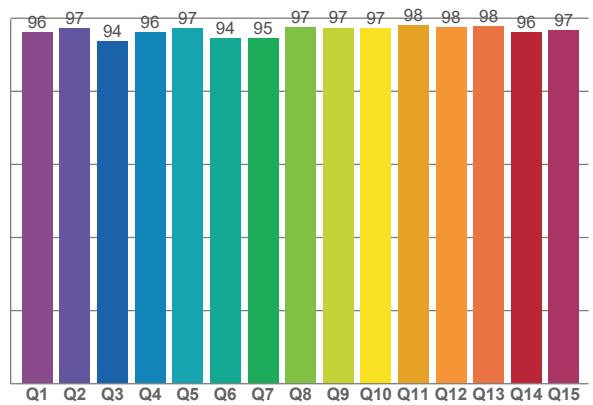
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97.3 | 98.0 | 96.8 | 96.9 | 96.4 | 95.8 | 95.1 | 96.7 | 97.1 | 96.2 | 94.4 | 93.3 | 95.2 | 93.8 | 94.2 | 91.5 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96.2 | 97.1 | 93.6 | 96.0 | 97.3 | 94.5 | 94.6 | 97.4 | 97.4 | 97.2 | 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 |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|-------------|
| 3004 K | 97.4 | 97.9 | 95.9 | 102.4 | 96.1 | 0.434 | 0.399 | 0.251 | 0.346 | -0.0017 |

TM-30 Details

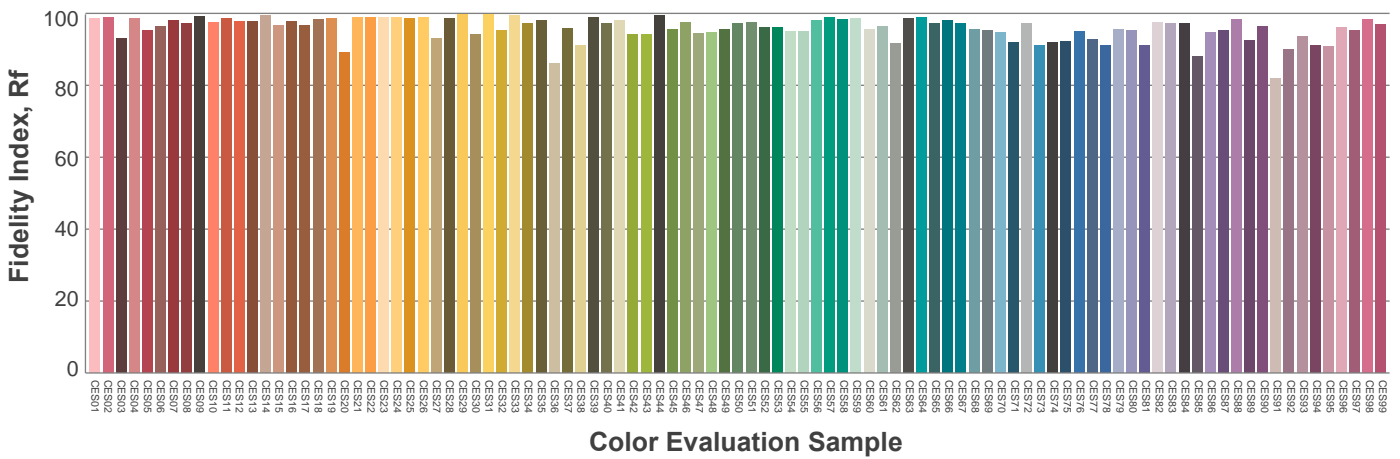
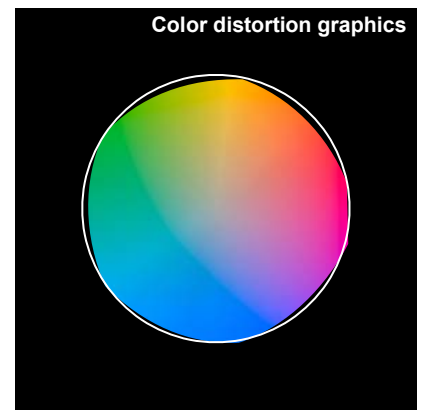
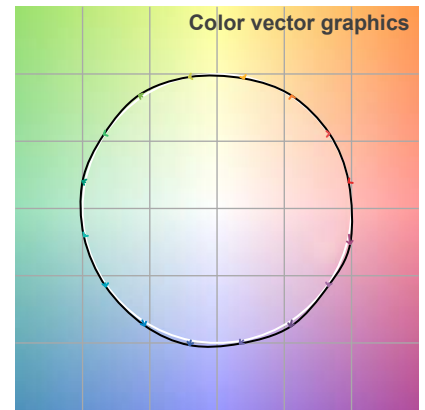
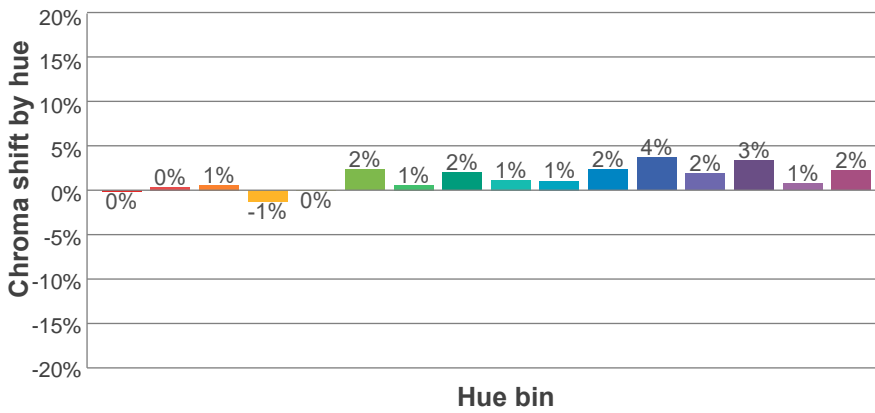
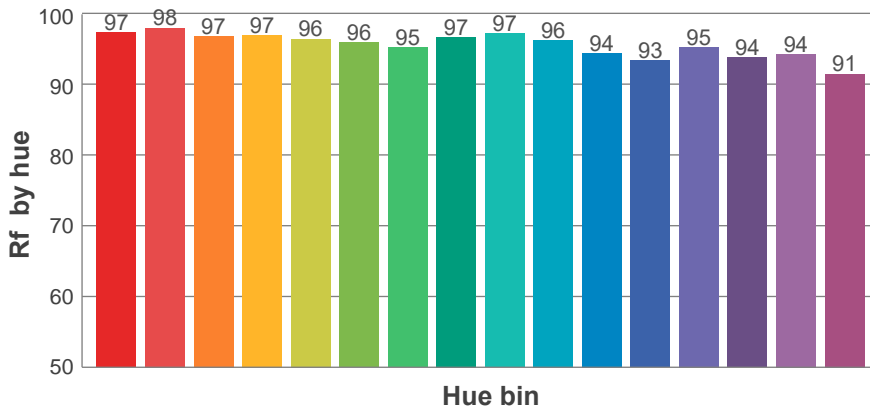
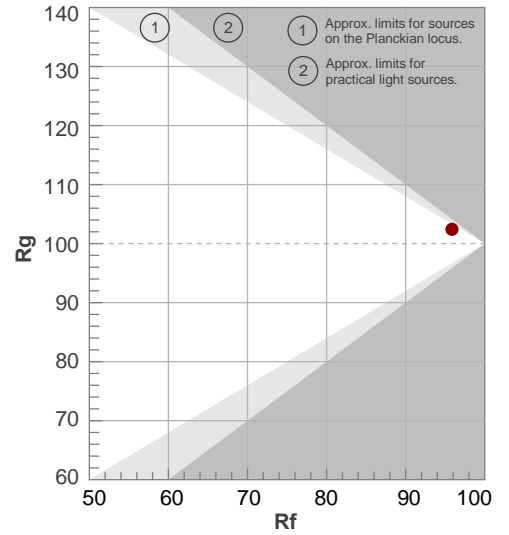
Rf 95.9

Fidelity index R_f

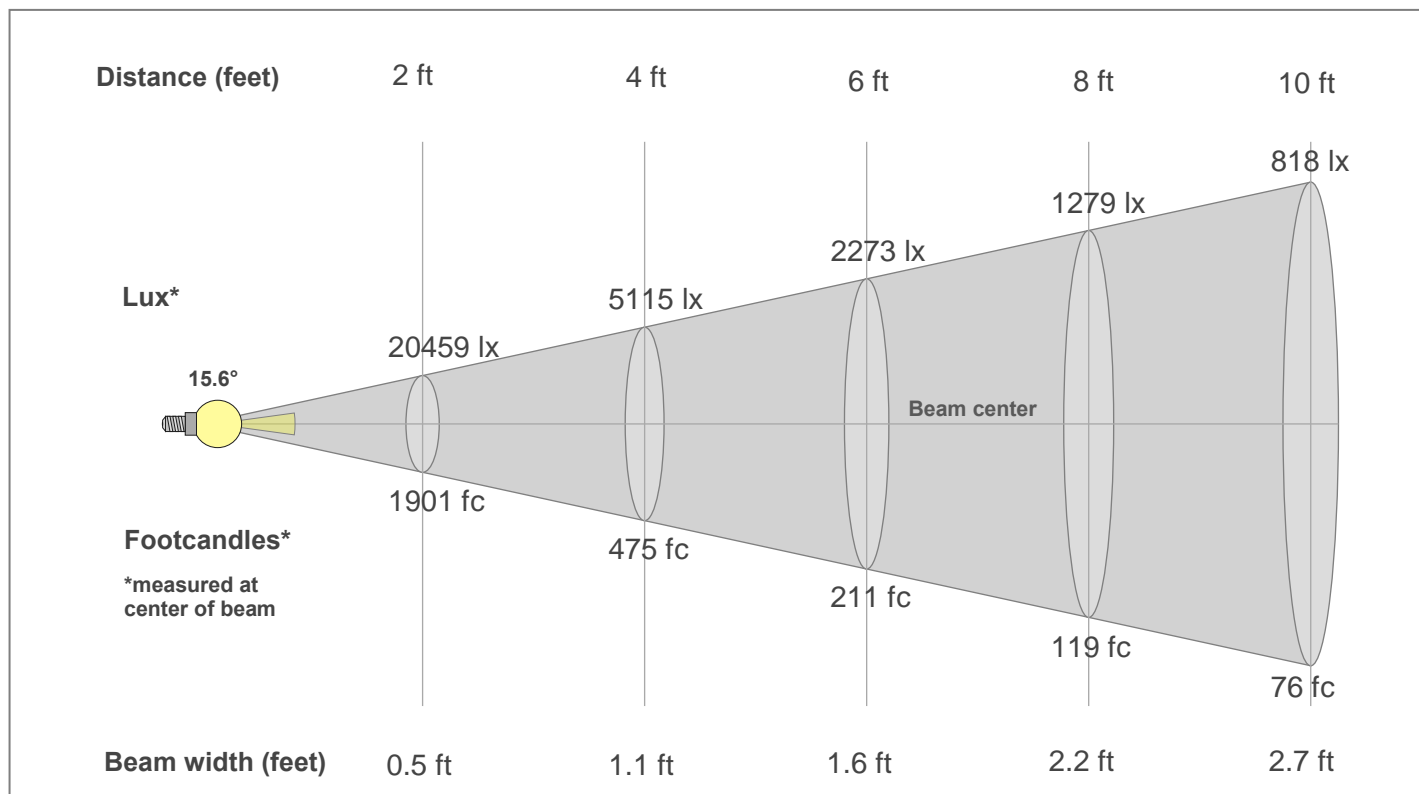
Rg 102.4

Gamut index Rg

| | | Shifts (%) | |
|---------|-------|------------|-----|
| Hue Bin | R_f | Chroma | Hue |
| 1 | 97 | 0% | 0% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 1% | 1% |
| 4 | 97 | -1% | -1% |
| 5 | 96 | 0% | 1% |
| 6 | 96 | 2% | 1% |
| 7 | 95 | 1% | 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 |
| 7603lx | 1901lx | 845lx | 475lx | 304lx | 211lx | 155lx | 119lx | 94lx | 76lx | 63lx | 53lx | 45lx | 39lx | 34lx | 30lx | 26lx | 23lx | 21lx | 19lx |
| 706.3fc | 176.6fc | 78.5fc | 44.1fc | 28.3fc | 19.6fc | 14.4fc | 11fc | 8.7fc | 7.1fc | 5.8fc | 4.9fc | 4.2fc | 3.6fc | 3.1fc | 2.8fc | 2.4fc | 2.2fc | 2fc | 1.8fc |

Intensities in 0° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 7603 | 7493 | 7218 | 6789 | 6243 | 5617 | 4953 | 4301 | 3680 | 3124 | 2630 | 2209 | 1850 | 1548 | 1296 | 1084 | 908 | 764 | 648 | 552 |
| 100% | 99% | 95% | 89% | 82% | 74% | 65% | 57% | 48% | 41% | 35% | 29% | 24% | 20% | 17% | 14% | 12% | 10% | 9% | 7% |

Intensities in 90° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 7603 | 7524 | 7242 | 6805 | 6257 | 5633 | 4963 | 4305 | 3683 | 3134 | 2652 | 2239 | 1883 | 1578 | 1323 | 1111 | 930 | 779 | 657 | 556 |
| 100% | 99% | 95% | 90% | 82% | 74% | 65% | 57% | 48% | 41% | 35% | 29% | 25% | 21% | 17% | 15% | 12% | 10% | 9% | 7% |

Intensities in 180° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 7603 | 7493 | 7218 | 6789 | 6243 | 5617 | 4953 | 4301 | 3680 | 3124 | 2630 | 2209 | 1850 | 1548 | 1296 | 1084 | 908 | 764 | 648 | 552 |
| 100% | 99% | 95% | 89% | 82% | 74% | 65% | 57% | 48% | 41% | 35% | 29% | 24% | 20% | 17% | 14% | 12% | 10% | 9% | 7% |

Intensities in 270° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 7603 | 7524 | 7242 | 6805 | 6257 | 5633 | 4963 | 4305 | 3683 | 3134 | 2652 | 2239 | 1883 | 1578 | 1323 | 1111 | 930 | 779 | 657 | 556 |
| 100% | 99% | 95% | 90% | 82% | 74% | 65% | 57% | 48% | 41% | 35% | 29% | 25% | 21% | 17% | 15% | 12% | 10% | 9% | 7% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 15.6° | 34.2° | 53° | 99.4% | 99.1% |