

Photometric / Colorimetric / Electric Report

Fixture Model:

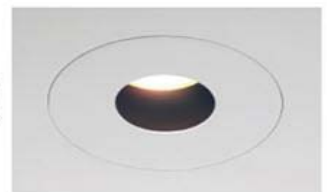
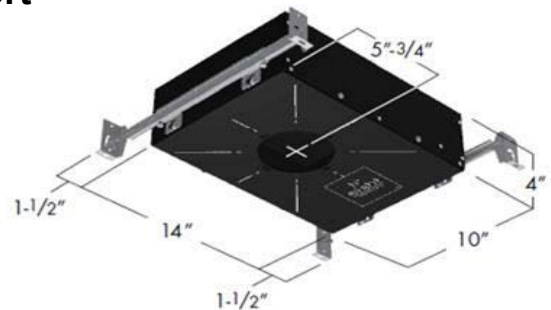
804S-J2S-HI-15-DIM1-8-1000-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

3/14/2022



Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 93.8

Color temperature:

2986 K

CIE 1931:

x: 0.441
y: 0.410

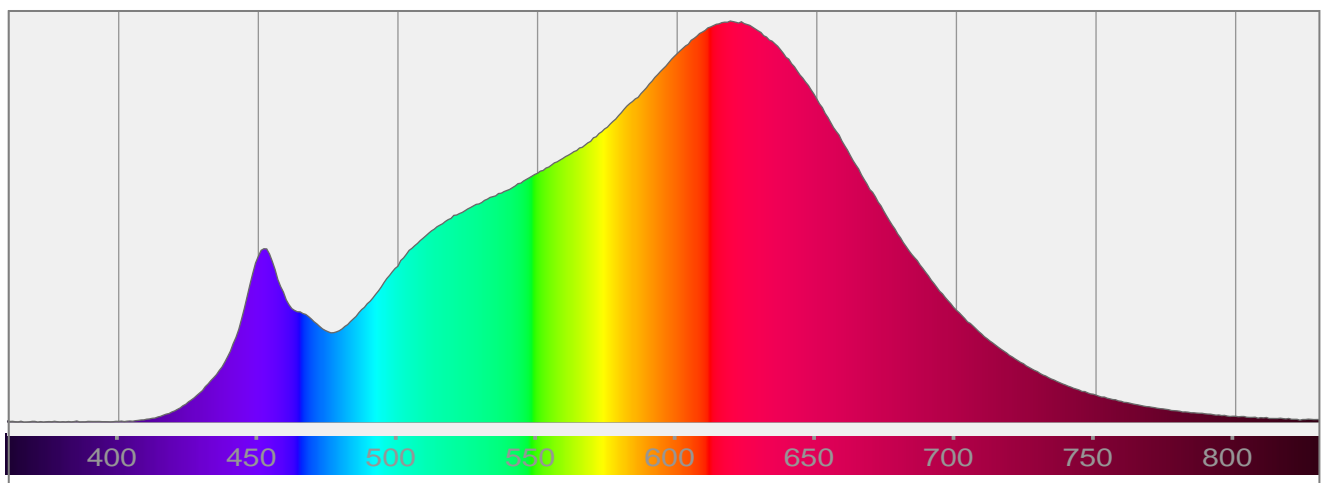
Output: 941 lm

Peak: 5861 cd

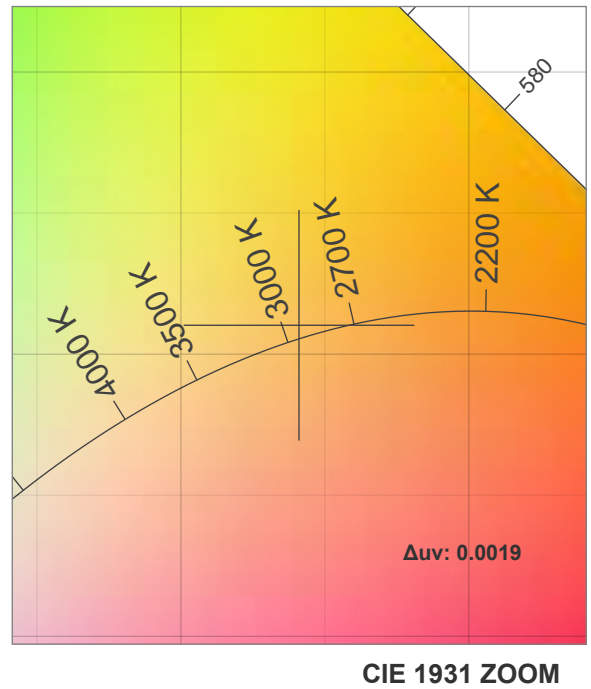
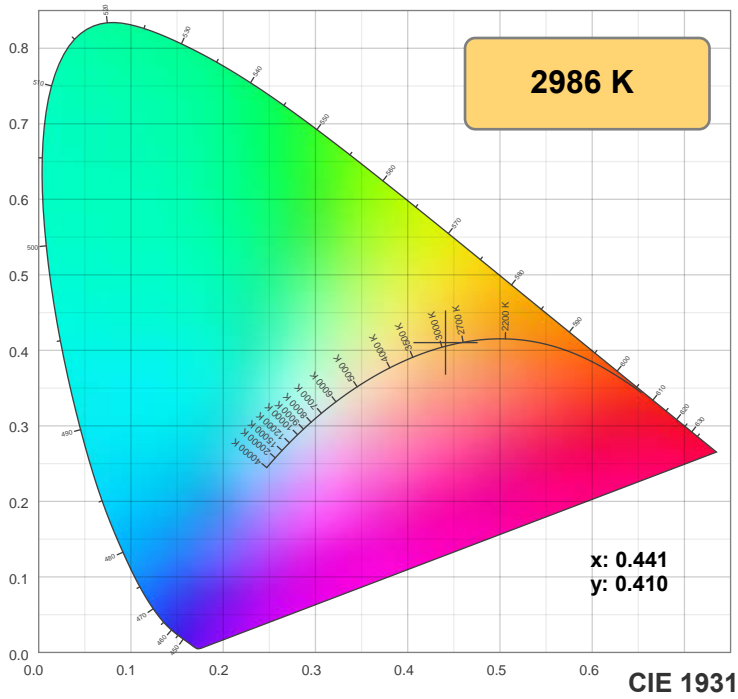
Power: 13.9 W

PF: 0.99

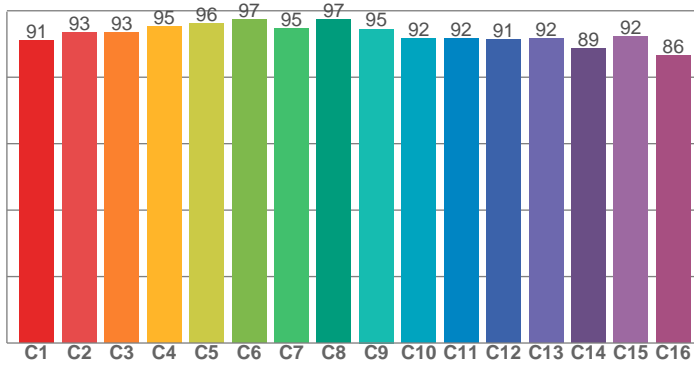
Spectra:



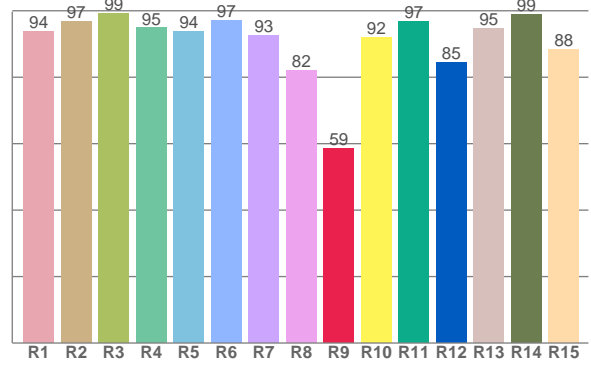
Color Details



TM-30: 92.9



CRI: 93.8 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93.8 | 96.8 | 99.2 | 94.8 | 93.7 | 97.0 | 92.7 | 82.1 | 58.6 | 92.0 | 96.8 | 84.6 | 94.7 | 98.8 | 88.4 |

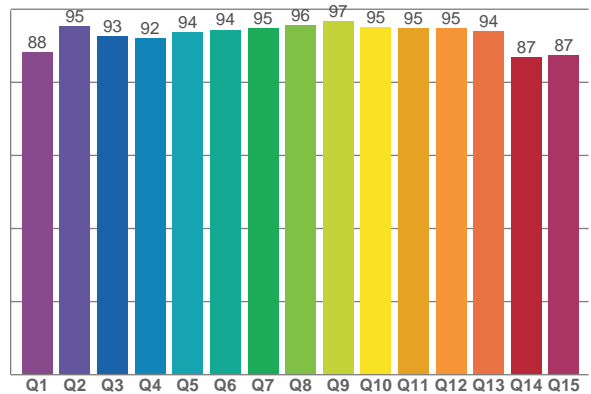
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.0 | 93.4 | 93.5 | 95.2 | 96.1 | 97.4 | 94.6 | 97.3 | 94.5 | 91.7 | 91.6 | 91.4 | 91.7 | 88.6 | 92.3 | 86.4 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88.1 | 95.3 | 92.5 | 92.1 | 93.7 | 94.4 | 94.7 | 95.6 | 96.8 | 95.2 | 94.8 | 94.7 | 94.0 | 86.8 | 87.4 |

CQS: 92.3



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|--------|
| 2986 K | 93.8 | 58.6 | 92.9 | 97.8 | 92.3 | 0.441 | 0.410 | 0.251 | 0.350 | 0.0019 |

TM-30 Details

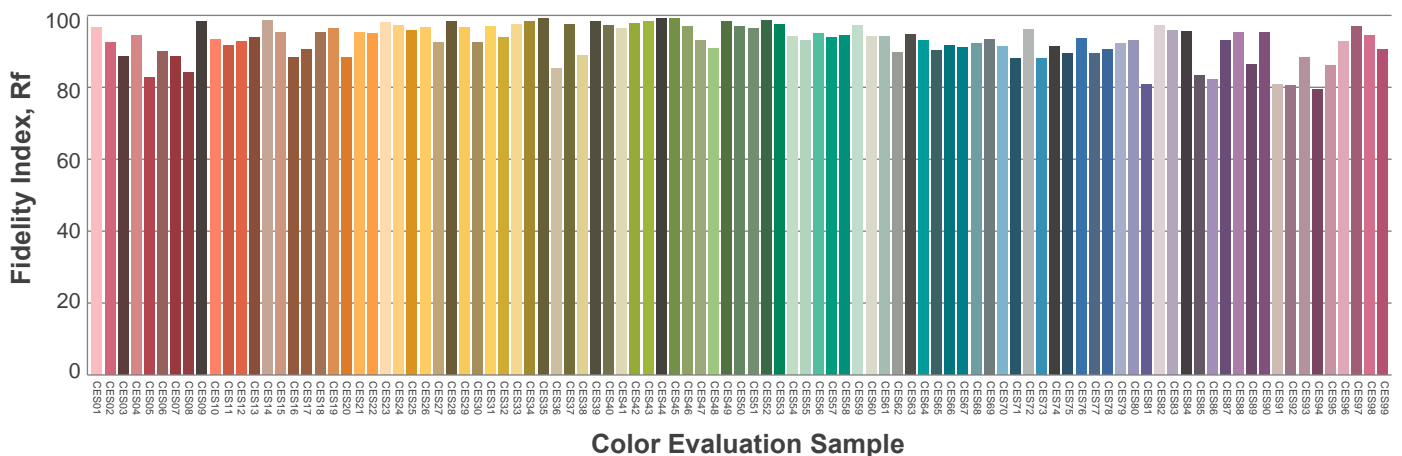
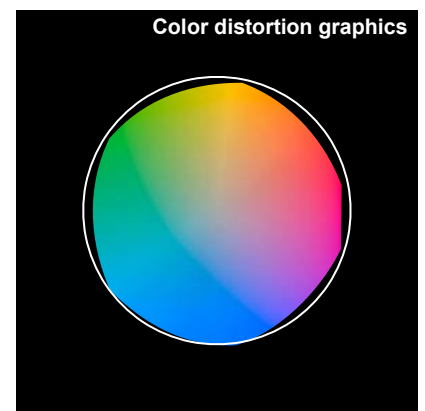
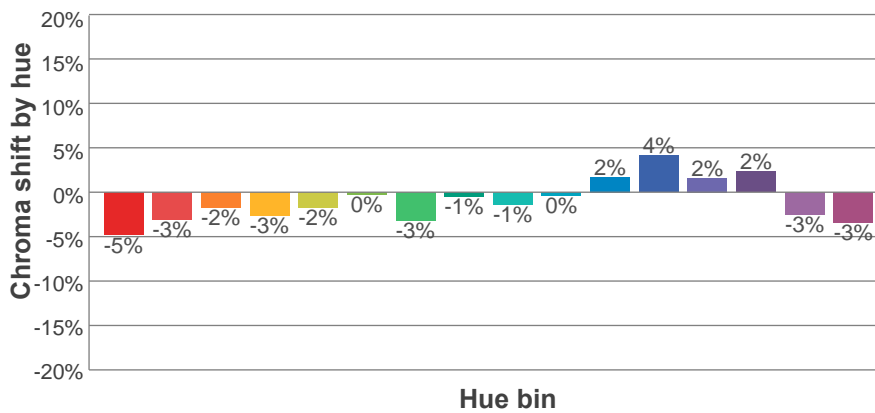
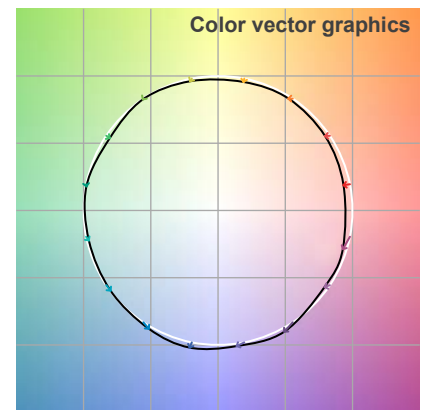
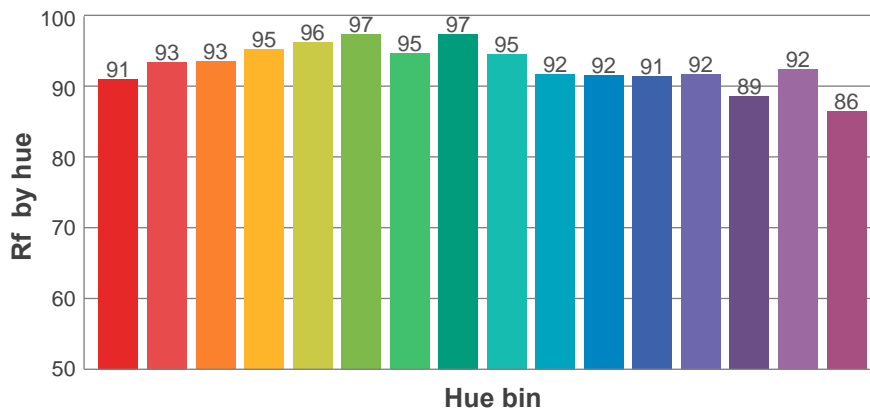
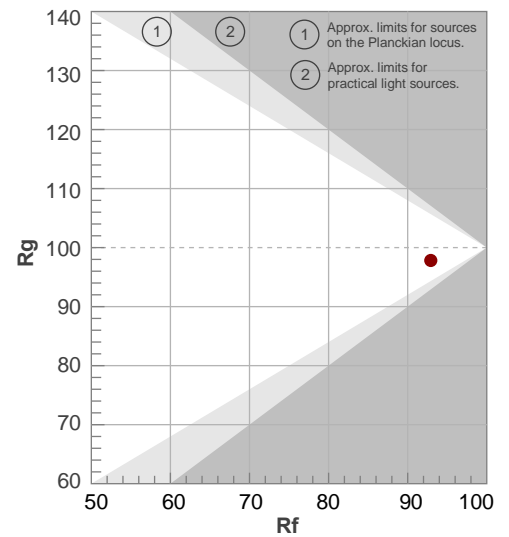
Rf 92.9

Fidelity index Rf

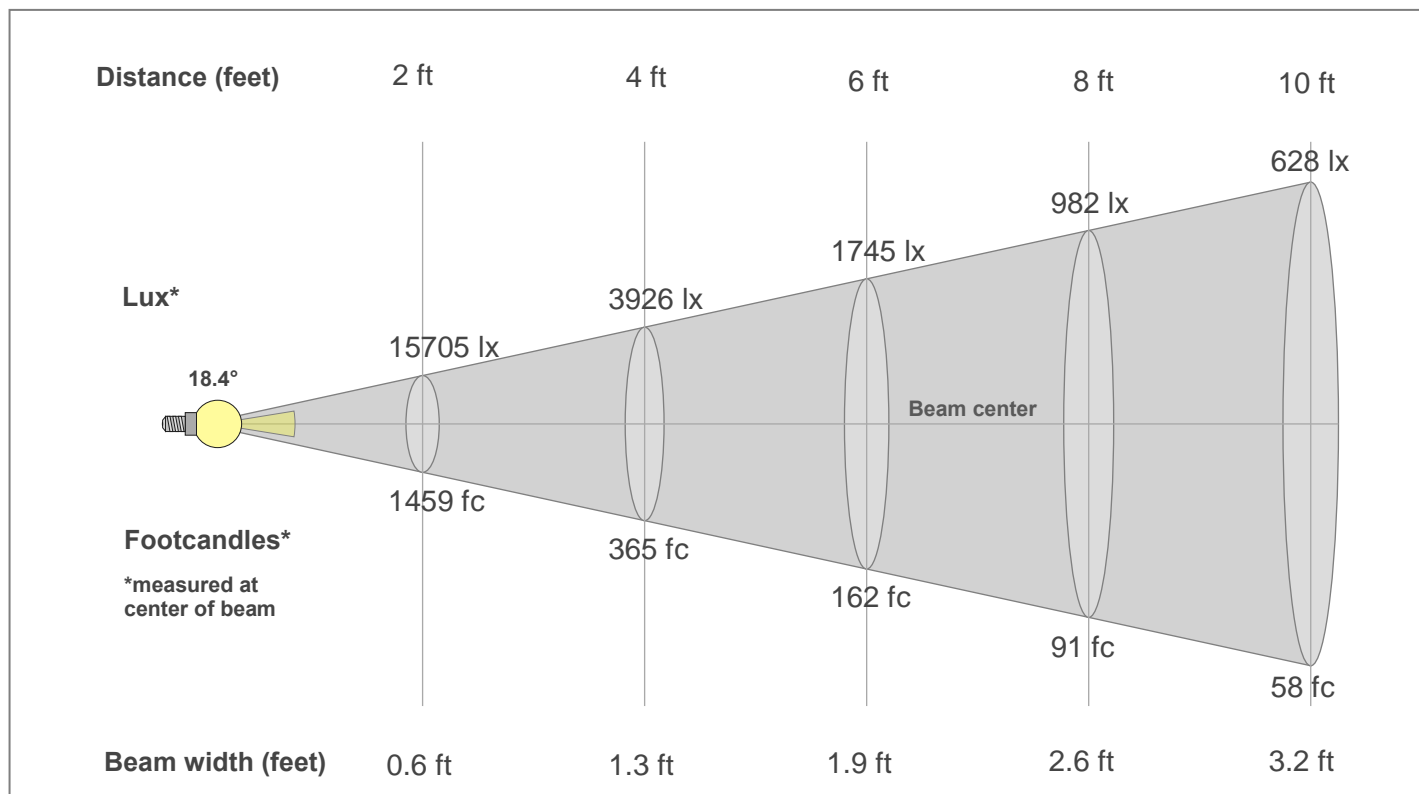
Rg 97.8

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 91 | -5% | 0% |
| 2 | 93 | -3% | 2% |
| 3 | 93 | -2% | 3% |
| 4 | 95 | -3% | 0% |
| 5 | 96 | -2% | 2% |
| 6 | 97 | 0% | 1% |
| 7 | 95 | -3% | 0% |
| 8 | 97 | -1% | 1% |
| 9 | 95 | -1% | 3% |
| 10 | 92 | 0% | 5% |
| 11 | 92 | 2% | 6% |
| 12 | 91 | 4% | -1% |
| 13 | 92 | 2% | -6% |
| 14 | 89 | 2% | -9% |
| 15 | 92 | -3% | -3% |
| 16 | 86 | -3% | -10% |



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 |
| 5836lx | 1459lx | 648lx | 365lx | 233lx | 162lx | 119lx | 91lx | 72lx | 58lx | 48lx | 41lx | 35lx | 30lx | 26lx | 23lx | 20lx | 18lx | 16lx | 15lx |
| 542.2fc | 135.6fc | 60.2fc | 33.9fc | 21.7fc | 15.1fc | 11.1fc | 8.5fc | 6.7fc | 5.4fc | 4.5fc | 3.8fc | 3.2fc | 2.8fc | 2.4fc | 2.1fc | 1.9fc | 1.7fc | 1.5fc | 1.4fc |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5836 | 5605 | 5023 | 4236 | 3392 | 2625 | 2017 | 1543 | 1189 | 914 | 698 | 523 | 376 | 257 | 174 | 111 | 69 | 45 | 30 | 19 |
| 100% | 96% | 86% | 73% | 58% | 45% | 35% | 26% | 20% | 16% | 12% | 9% | 6% | 4% | 3% | 2% | 1% | 1% | 1% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5836 | 5648 | 5027 | 4237 | 3377 | 2621 | 2004 | 1528 | 1168 | 894 | 682 | 506 | 363 | 254 | 171 | 109 | 70 | 47 | 29 | 20 |
| 100% | 97% | 86% | 73% | 58% | 45% | 34% | 26% | 20% | 15% | 12% | 9% | 6% | 4% | 3% | 2% | 1% | 1% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5836 | 5605 | 5023 | 4236 | 3392 | 2625 | 2017 | 1543 | 1189 | 914 | 698 | 523 | 376 | 257 | 174 | 111 | 69 | 45 | 30 | 19 |
| 100% | 96% | 86% | 73% | 58% | 45% | 35% | 26% | 20% | 16% | 12% | 9% | 6% | 4% | 3% | 2% | 1% | 1% | 1% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5836 | 5648 | 5027 | 4237 | 3377 | 2621 | 2004 | 1528 | 1168 | 894 | 682 | 506 | 363 | 254 | 171 | 109 | 70 | 47 | 29 | 20 |
| 100% | 97% | 86% | 73% | 58% | 45% | 34% | 26% | 20% | 15% | 12% | 9% | 6% | 4% | 3% | 2% | 1% | 1% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 18.4° | 42.3° | 57.6° | 99.4% | 99.3% |