

Photometric / Colorimetric / Electric Report

Fixture Model:

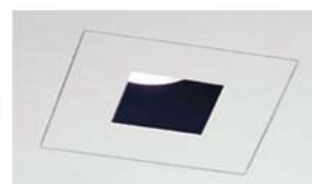
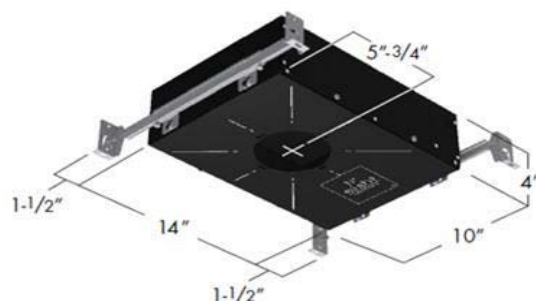
804S-J2S-HI-2-10-DIM1-8-1000-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

6/29/2022



Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 93.9

Color temperature:

3016 K

CIE 1931:

x: 0.434
y: 0.399

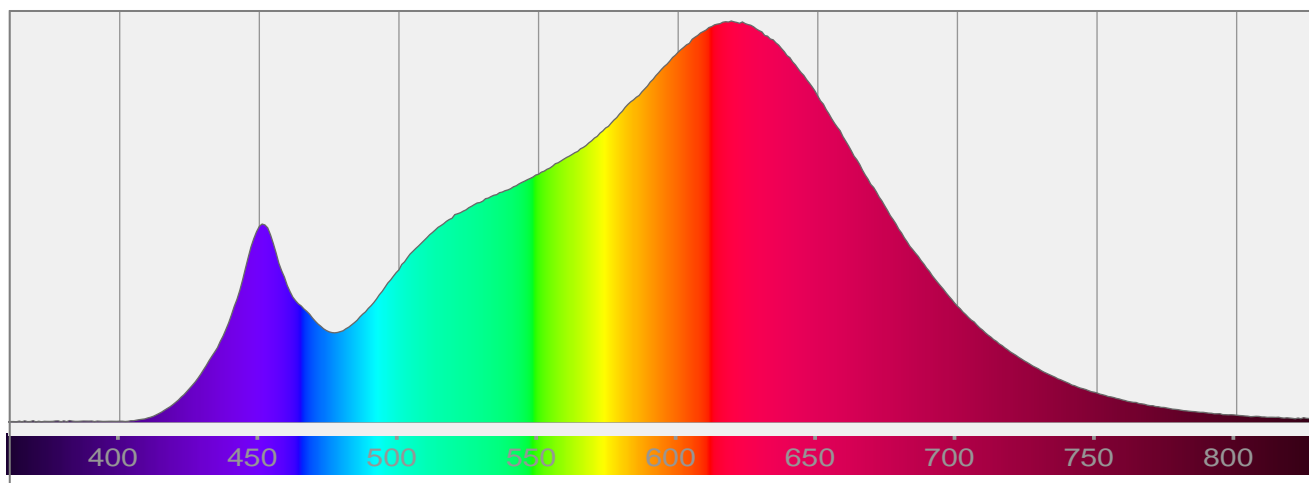
Output: 1027 lm

Peak: 15774 cd

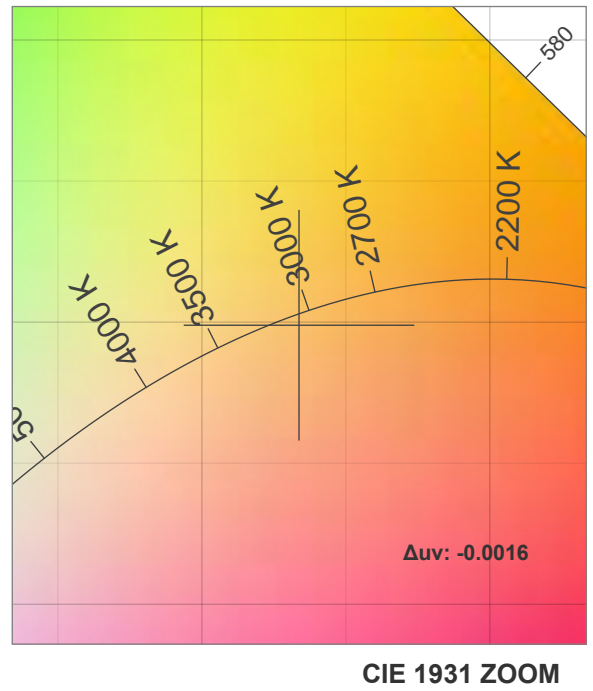
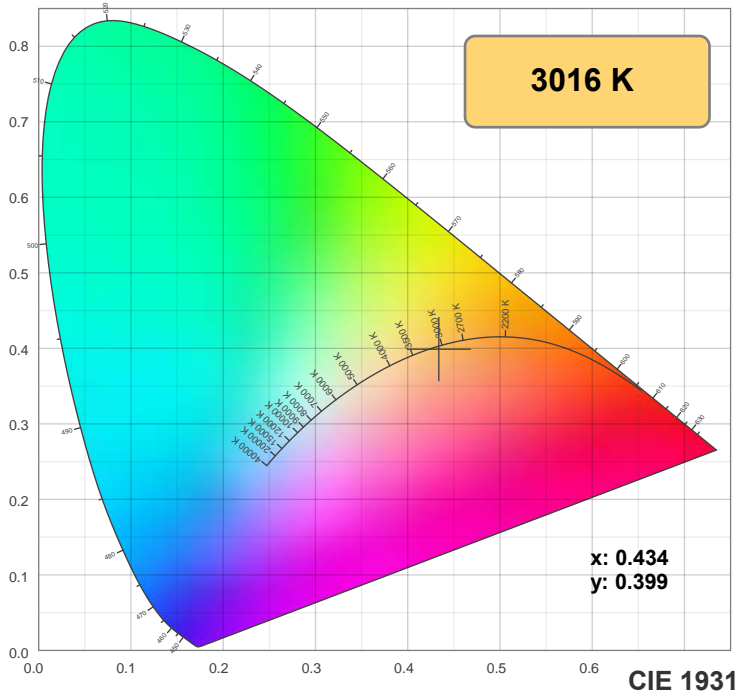
Power: 14.4 W

PF: 0.99

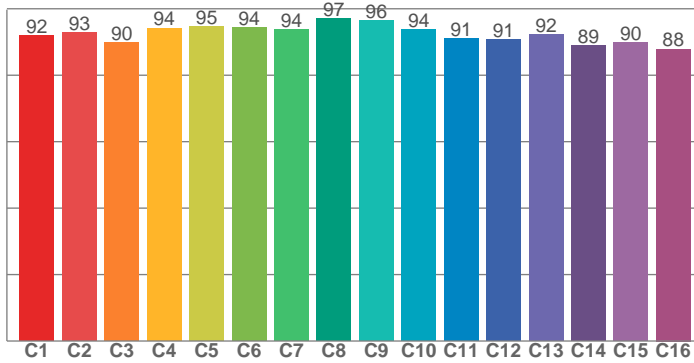
Spectra:



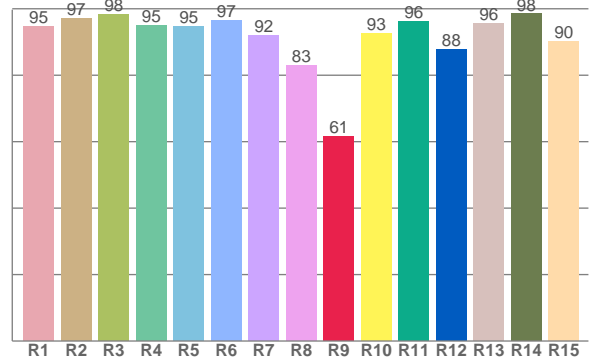
Color Details



TM-30: 92.6



CRI: 93.9 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.6 | 97.1 | 98.2 | 94.9 | 94.8 | 96.5 | 92.1 | 83.0 | 61.5 | 92.6 | 96.2 | 87.6 | 95.5 | 98.4 | 90.2 |

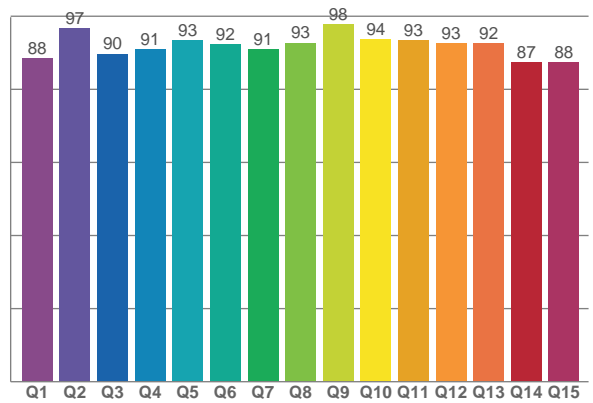
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.9 | 92.7 | 89.9 | 94.2 | 94.7 | 94.2 | 93.9 | 96.9 | 96.4 | 93.7 | 91.1 | 90.7 | 92.3 | 89.0 | 89.9 | 87.9 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88.5 | 96.6 | 89.7 | 91.0 | 93.4 | 92.4 | 90.9 | 92.7 | 97.7 | 93.8 | 93.4 | 92.6 | 92.5 | 87.4 | 87.5 |

CQS: 91.4



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|-------------|
| 3016 K | 93.9 | 61.5 | 92.6 | 100.7 | 91.4 | 0.434 | 0.399 | 0.251 | 0.346 | -0.0016 |

TM-30 Details

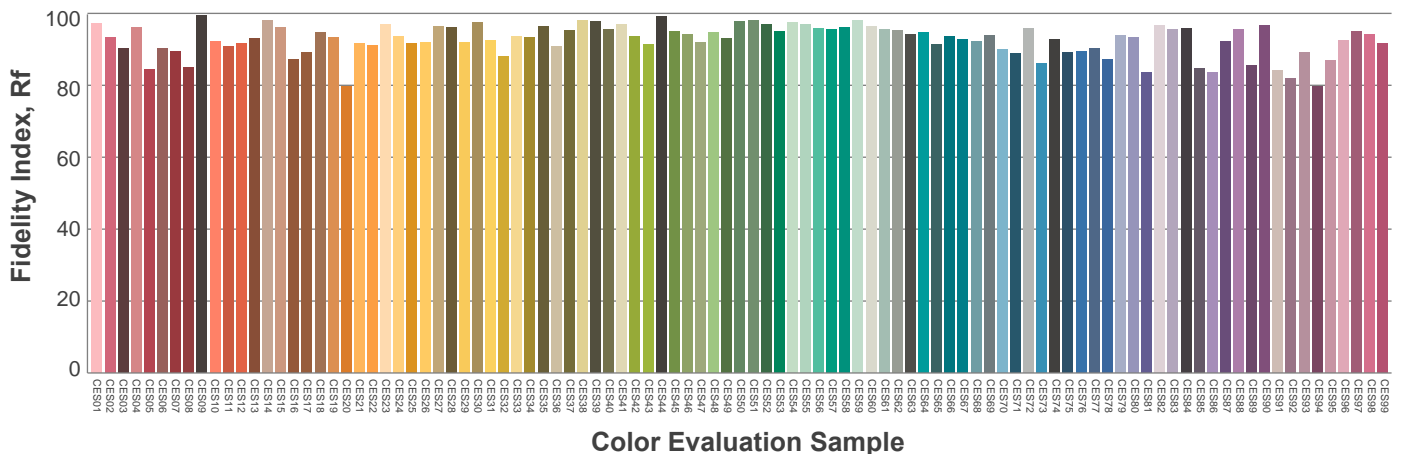
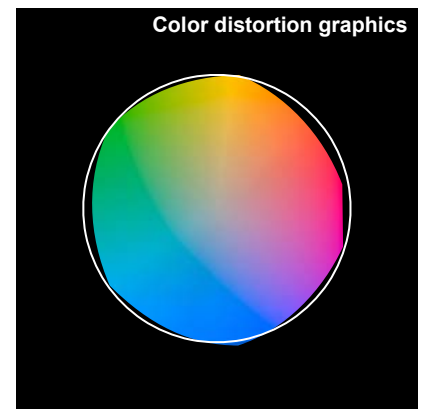
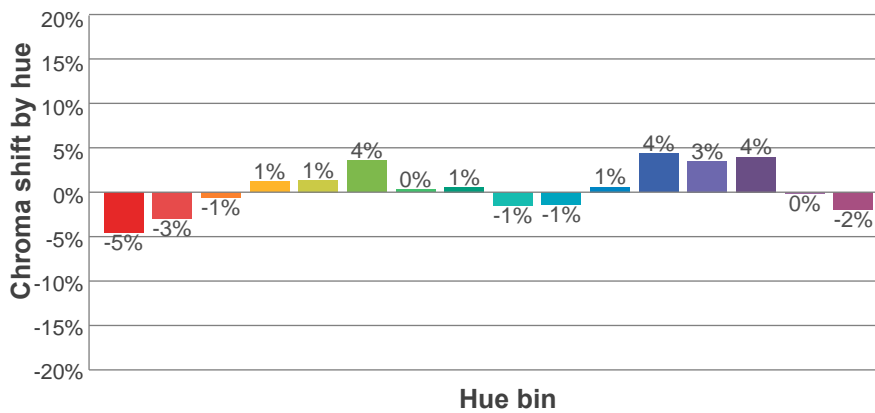
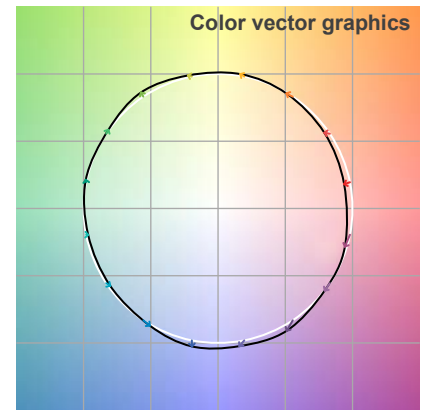
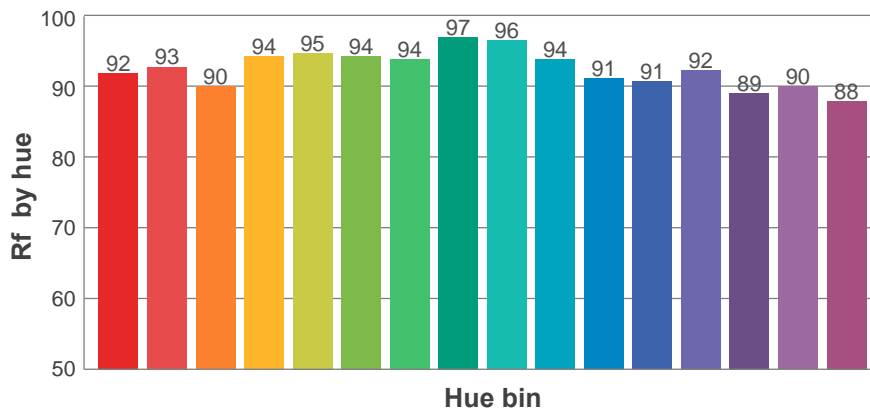
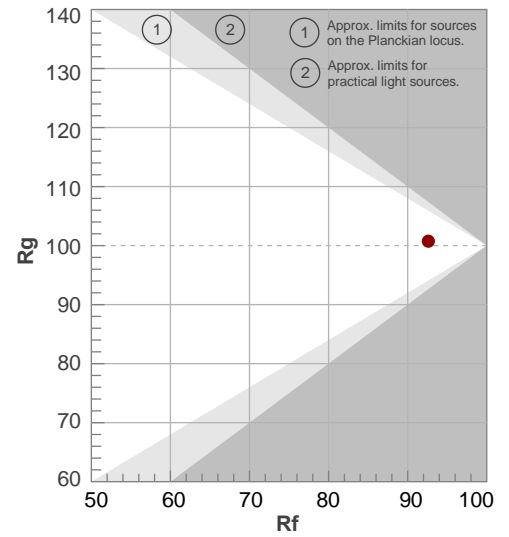
Rf 92.6

Fidelity index Rf

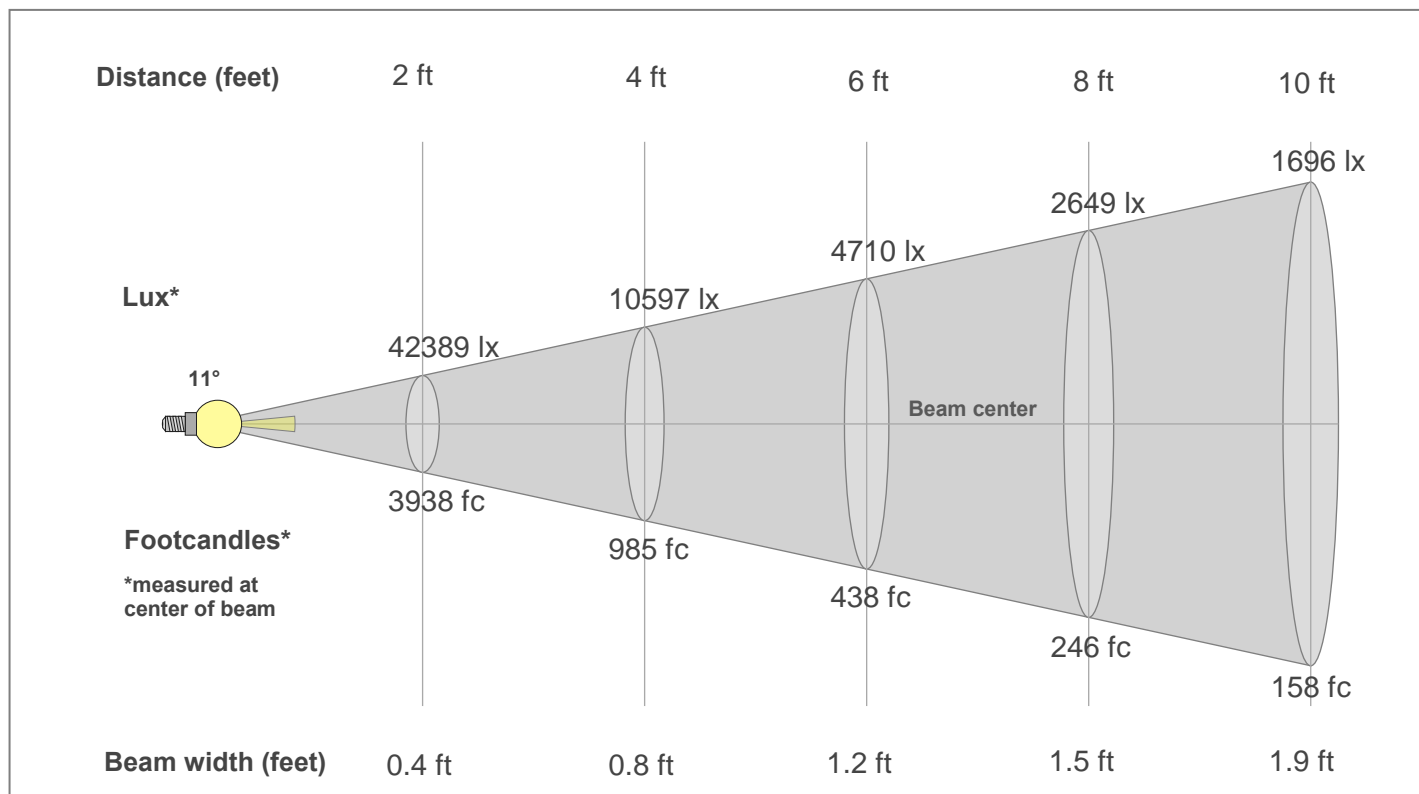
Rg 100.7

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 92 | -5% | -1% |
| 2 | 93 | -3% | 3% |
| 3 | 90 | -1% | 5% |
| 4 | 94 | 1% | 3% |
| 5 | 95 | 1% | 3% |
| 6 | 94 | 4% | 0% |
| 7 | 94 | 0% | -3% |
| 8 | 97 | 1% | -2% |
| 9 | 96 | -1% | 0% |
| 10 | 94 | -1% | 3% |
| 11 | 91 | 1% | 6% |
| 12 | 91 | 4% | 1% |
| 13 | 92 | 3% | -4% |
| 14 | 89 | 4% | -8% |
| 15 | 90 | 0% | -7% |
| 16 | 88 | -2% | -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 |
| 15752lx | 3938lx | 1750lx | 985lx | 630lx | 438lx | 321lx | 246lx | 194lx | 158lx | 130lx | 109lx | 93lx | 80lx | 70lx | 62lx | 55lx | 49lx | 44lx | 39lx |
| 1463.4fc | 365.9fc | 162.6fc | 91.5fc | 58.5fc | 40.7fc | 29.9fc | 22.9fc | 18.1fc | 14.6fc | 12.1fc | 10.2fc | 8.7fc | 7.5fc | 6.5fc | 5.7fc | 5.1fc | 4.5fc | 4.1fc | 3.7fc |

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° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.4K | 14.6K | 13.1K | 10.7K | 8.8K | 7.1K | 5.7K | 4.7K | 3.8K | 3.1K | 2.4K | 1.8K | 1.4K | 1.0K | 0.8K | 0.6K | 0.5K | 0.4K | 0.3K |
| 100% | 98% | 92% | 83% | 68% | 56% | 45% | 36% | 30% | 24% | 19% | 15% | 12% | 9% | 6% | 5% | 4% | 3% | 3% | 2% |

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° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.6K | 14.6K | 12.9K | 10.6K | 8.8K | 7.0K | 5.7K | 4.6K | 3.8K | 3.0K | 2.4K | 1.8K | 1.4K | 1.0K | 0.8K | 0.6K | 0.5K | 0.4K | 0.3K |
| 100% | 99% | 93% | 82% | 67% | 56% | 44% | 36% | 29% | 24% | 19% | 15% | 12% | 9% | 6% | 5% | 4% | 3% | 3% | 2% |

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° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.4K | 14.6K | 13.1K | 10.7K | 8.8K | 7.1K | 5.7K | 4.7K | 3.8K | 3.1K | 2.4K | 1.8K | 1.4K | 1.0K | 0.8K | 0.6K | 0.5K | 0.4K | 0.3K |
| 100% | 98% | 92% | 83% | 68% | 56% | 45% | 36% | 30% | 24% | 19% | 15% | 12% | 9% | 6% | 5% | 4% | 3% | 3% | 2% |

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° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.6K | 14.6K | 12.9K | 10.6K | 8.8K | 7.0K | 5.7K | 4.6K | 3.8K | 3.0K | 2.4K | 1.8K | 1.4K | 1.0K | 0.8K | 0.6K | 0.5K | 0.4K | 0.3K |
| 100% | 99% | 93% | 82% | 67% | 56% | 44% | 36% | 29% | 24% | 19% | 15% | 12% | 9% | 6% | 5% | 4% | 3% | 3% | 2% |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 11° | 25° | 36.4° | 98.2% | 97.9% |