

## Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-WD-2-15-PR1-8.5-350-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

2/2/2024



Light efficiency:

59 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

2917 K

CIE 1931:

x: 0.440  
y: 0.400

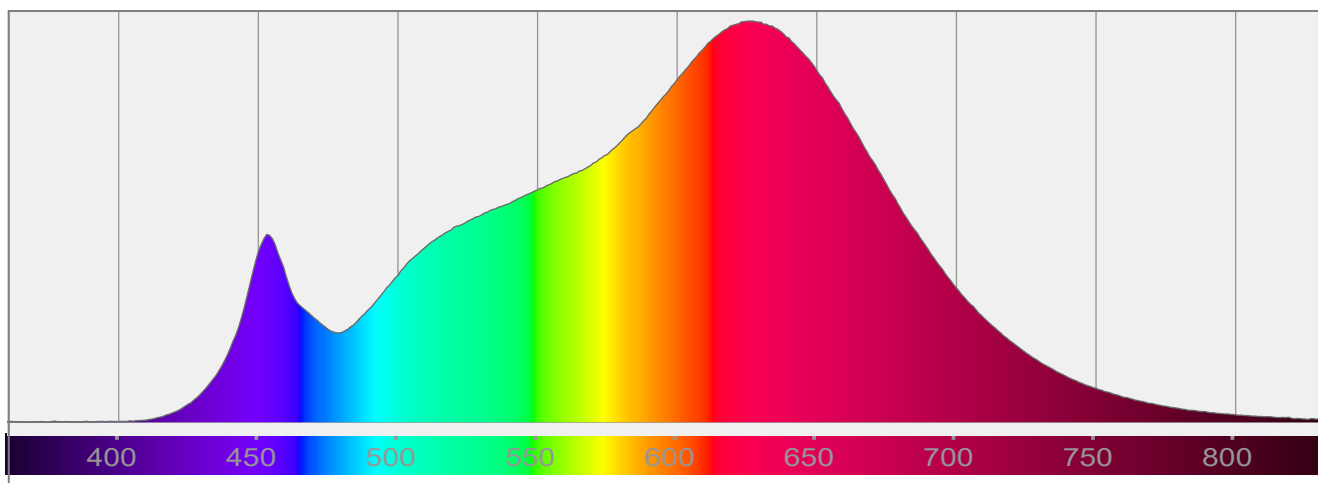
Output: 875 lm

Peak: 3623 cd

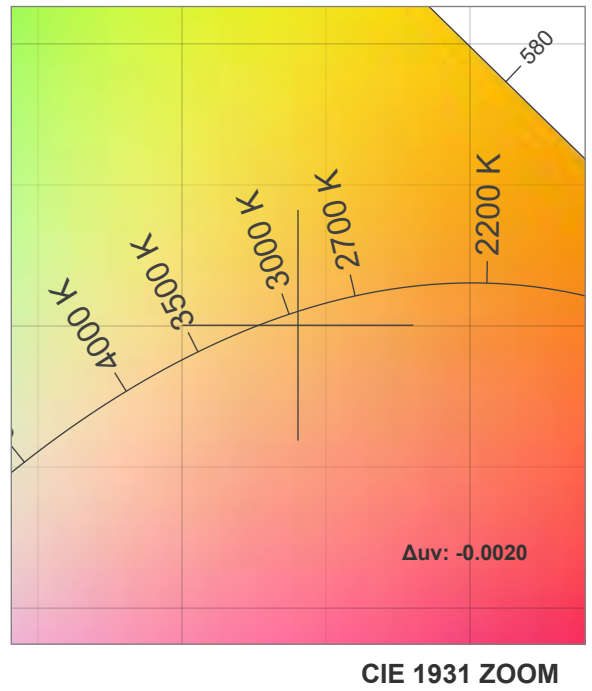
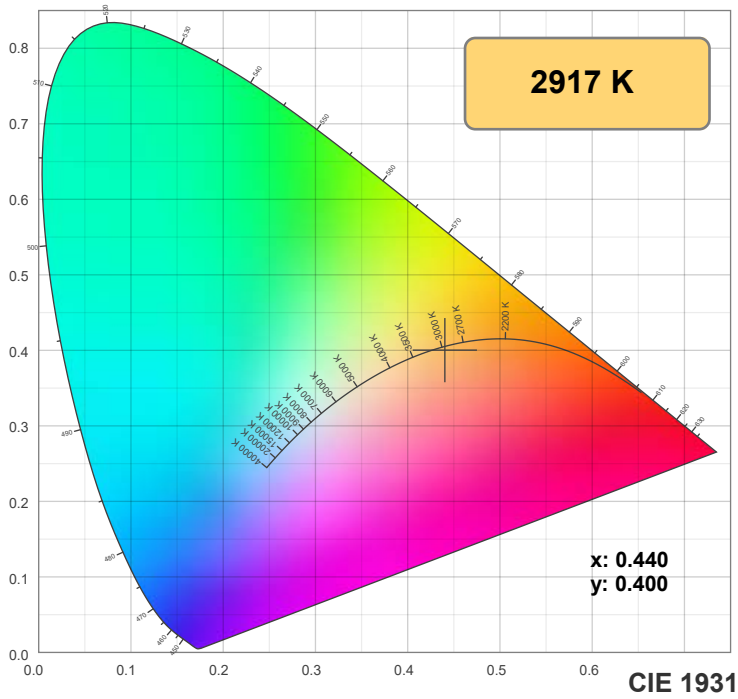
Power: 14.8 W

PF: 0.99

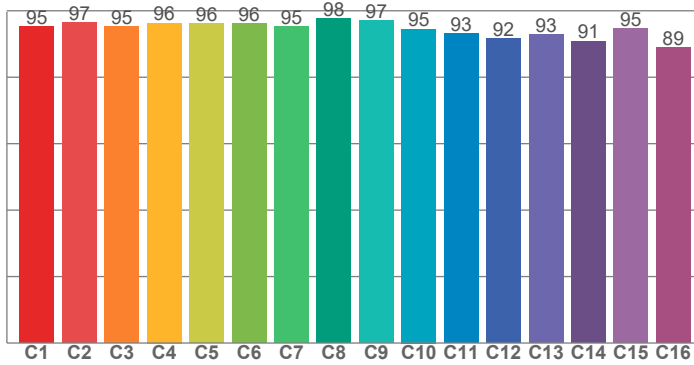
Spectra:



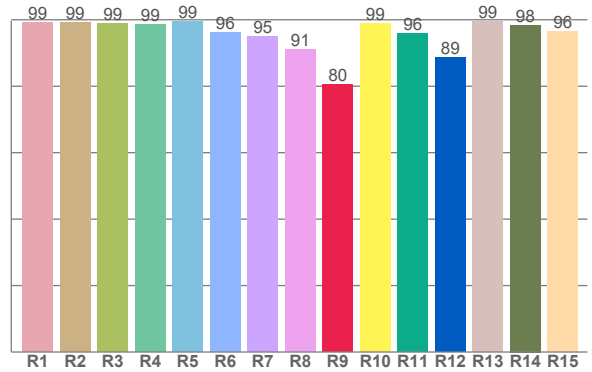
## Color Details



**TM-30: 94.7**



**CRI: 97.2 (R1-R8)**



**CRI R Values:**

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99.2 | 99.2 | 98.8 | 98.6 | 99.5 | 96.2 | 94.9 | 91.0 | 80.4 | 99.0 | 95.9 | 88.7 | 99.4 | 98.4 | 96.5 |

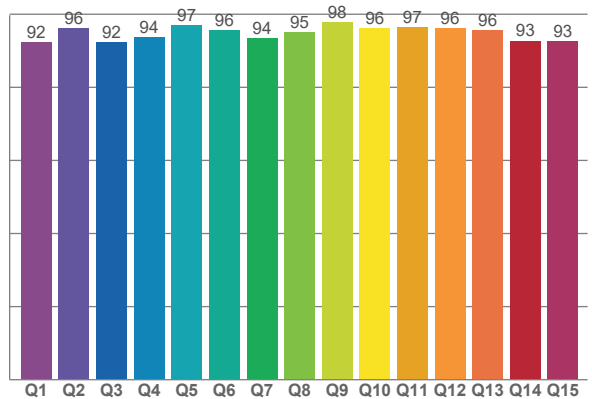
**TM30 C Values:**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95.2 | 96.6 | 95.2 | 96.3 | 96.1 | 96.1 | 95.1 | 97.7 | 97.0 | 94.5 | 93.1 | 91.8 | 92.8 | 90.9 | 94.8 | 89.0 |

**CQS Q values:**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.4 | 96.1 | 92.4 | 93.8 | 97.1 | 95.6 | 93.5 | 95.1 | 97.9 | 96.3 | 96.5 | 96.2 | 95.7 | 92.8 | 92.5 |

**CQS: 94.5**



**Color Parameters:**

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x     | y     | u     | v     | Δuv     |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 2917 K | 97.2 | 80.4   | 94.7    | 101.1   | 94.5 | 0.440 | 0.400 | 0.254 | 0.347 | -0.0020 |

# TM-30 Details

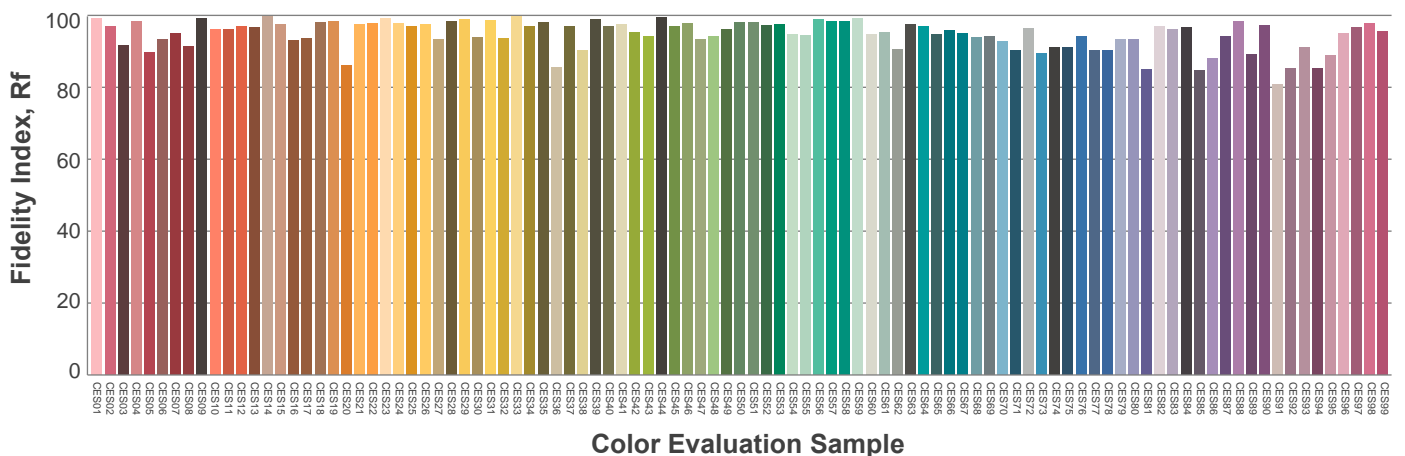
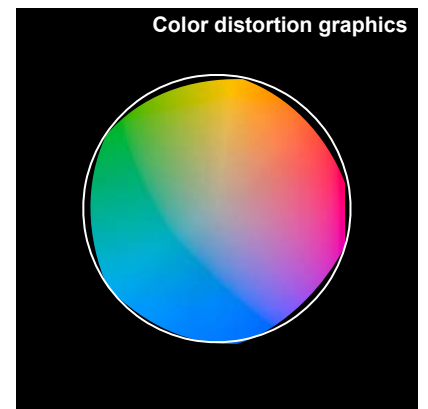
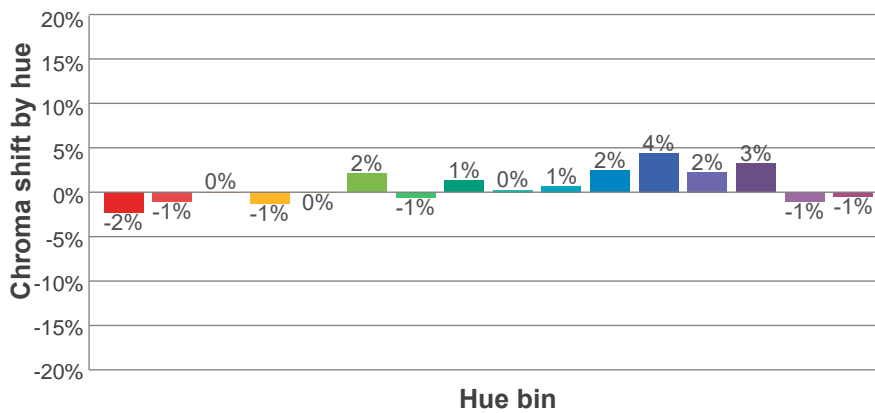
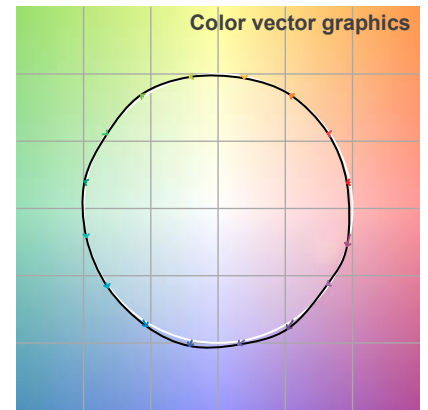
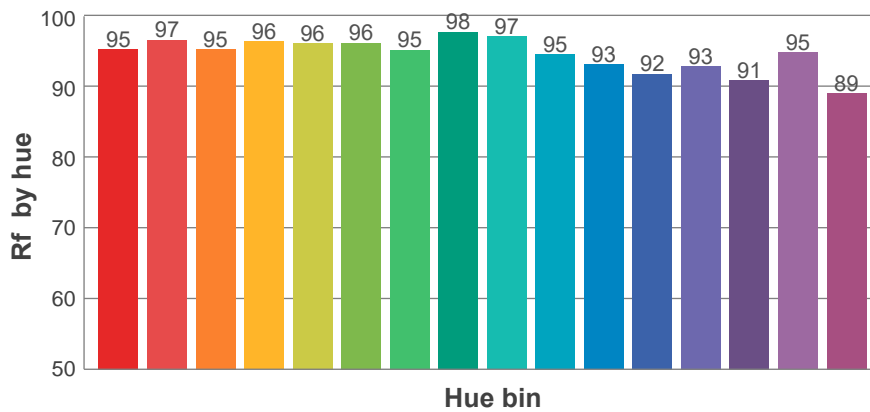
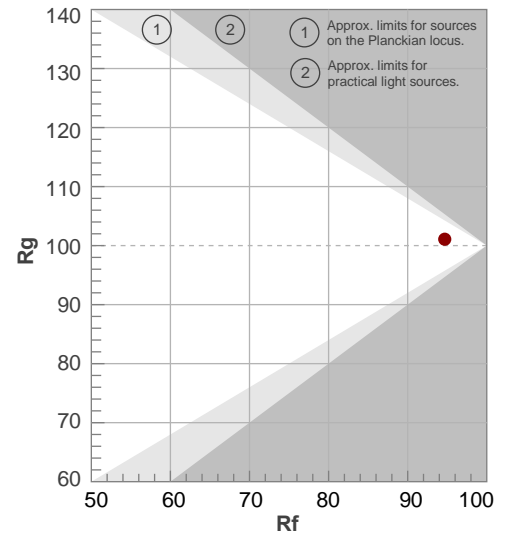
**Rf 94.7**

Fidelity index Rf

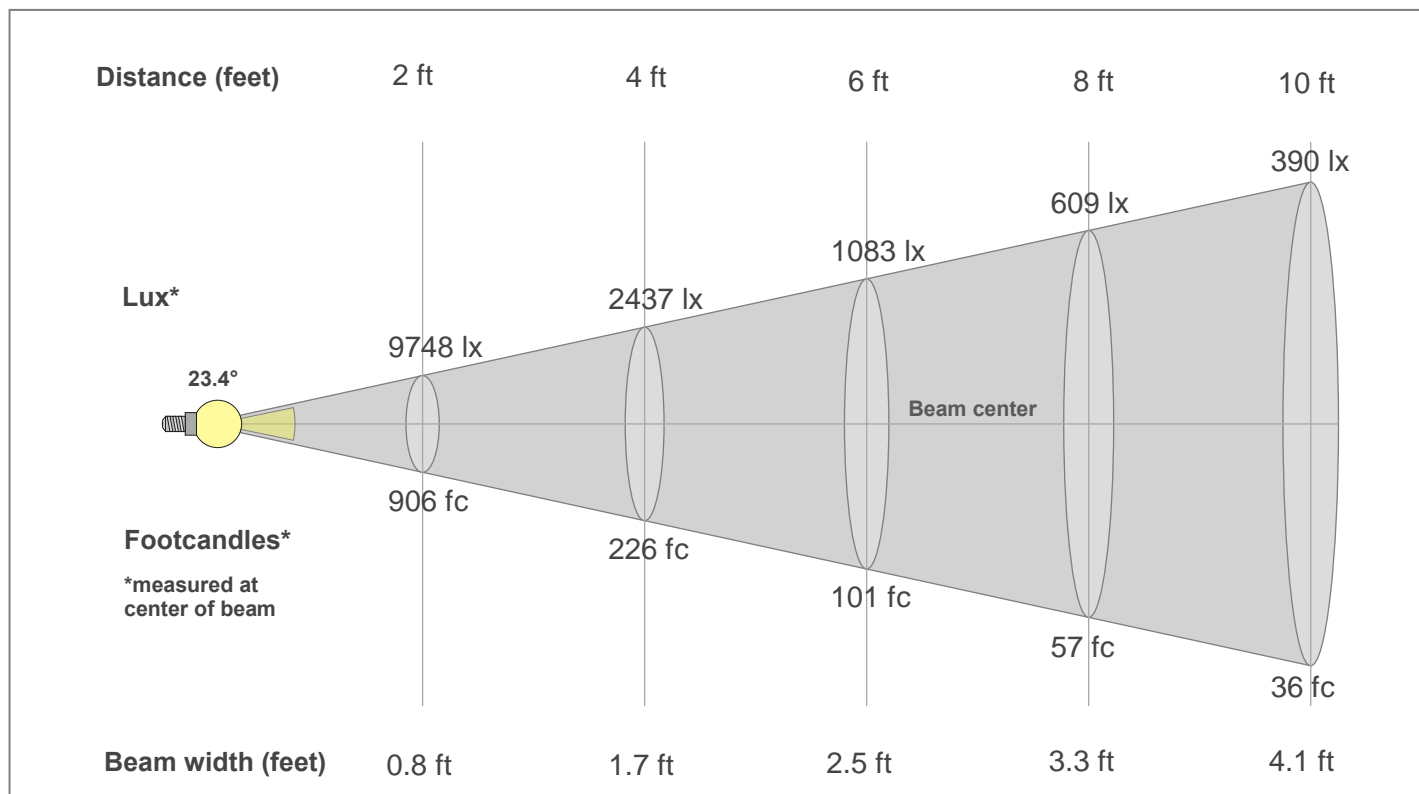
**Rg 101.1**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 95             | -2%        | 0%  |
| 2       | 97             | -1%        | 1%  |
| 3       | 95             | 0%         | 2%  |
| 4       | 96             | -1%        | 0%  |
| 5       | 96             | 0%         | 2%  |
| 6       | 96             | 2%         | 1%  |
| 7       | 95             | -1%        | 0%  |
| 8       | 98             | 1%         | 0%  |
| 9       | 97             | 0%         | 2%  |
| 10      | 95             | 1%         | 3%  |
| 11      | 93             | 2%         | 5%  |
| 12      | 92             | 4%         | -1% |
| 13      | 93             | 2%         | -5% |
| 14      | 91             | 3%         | -7% |
| 15      | 95             | -1%        | -2% |
| 16      | 89             | -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 |
| 3622lx  | 906lx  | 402lx  | 226lx  | 145lx  | 101lx  | 74lx  | 57lx   | 45lx   | 36lx   | 30lx   | 25lx   | 21lx   | 18lx   | 16lx   | 14lx   | 13lx   | 11lx   | 10lx   | 9lx    |
| 336.5fc | 84.1fc | 37.4fc | 21fc   | 13.5fc | 9.3fc  | 6.9fc | 5.3fc  | 4.2fc  | 3.4fc  | 2.8fc  | 2.3fc  | 2fc    | 1.7fc  | 1.5fc  | 1.3fc  | 1.2fc  | 1fc    | 0.9fc  | 0.8fc  |

### 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3622 | 3564 | 3371 | 3057 | 2641 | 2176 | 1730 | 1349 | 1046 | 814 | 638 | 500 | 393 | 310 | 248 | 199 | 160 | 127 | 102 | 81  |
| 100% | 98%  | 93%  | 84%  | 73%  | 60%  | 48%  | 37%  | 29%  | 22% | 18% | 14% | 11% | 9%  | 7%  | 6%  | 4%  | 4%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3622 | 3565 | 3393 | 3090 | 2684 | 2218 | 1756 | 1343 | 1027 | 787 | 611 | 479 | 376 | 297 | 236 | 190 | 152 | 122 | 97  | 77  |
| 100% | 98%  | 94%  | 85%  | 74%  | 61%  | 48%  | 37%  | 28%  | 22% | 17% | 13% | 10% | 8%  | 7%  | 5%  | 4%  | 3%  | 3%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3622 | 3564 | 3371 | 3057 | 2641 | 2176 | 1730 | 1349 | 1046 | 814 | 638 | 500 | 393 | 310 | 248 | 199 | 160 | 127 | 102 | 81  |
| 100% | 98%  | 93%  | 84%  | 73%  | 60%  | 48%  | 37%  | 29%  | 22% | 18% | 14% | 11% | 9%  | 7%  | 6%  | 4%  | 4%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3622 | 3565 | 3393 | 3090 | 2684 | 2218 | 1756 | 1343 | 1027 | 787 | 611 | 479 | 376 | 297 | 236 | 190 | 152 | 122 | 97  | 77  |
| 100% | 98%  | 94%  | 85%  | 74%  | 61%  | 48%  | 37%  | 28%  | 22% | 17% | 13% | 10% | 8%  | 7%  | 5%  | 4%  | 3%  | 3%  | 2%  |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 23.4°          | 49°             | 73.7°              | 99.4%                   | 98.1%                  |