

## Photometric / Colorimetric / Electric Report

Fixture Model:

**400-WD-15-DIM1-4-350-FLR-4-WH**

Trim Model:

**FLR-4-WH**

Date:

**3/25/2022**



Light efficiency:

**58 Lumen/Watt**

Light quality:

**CRI: 96.8**

Color temperature:

**3096 K**

CIE 1931:

**x: 0.429  
y: 0.398**

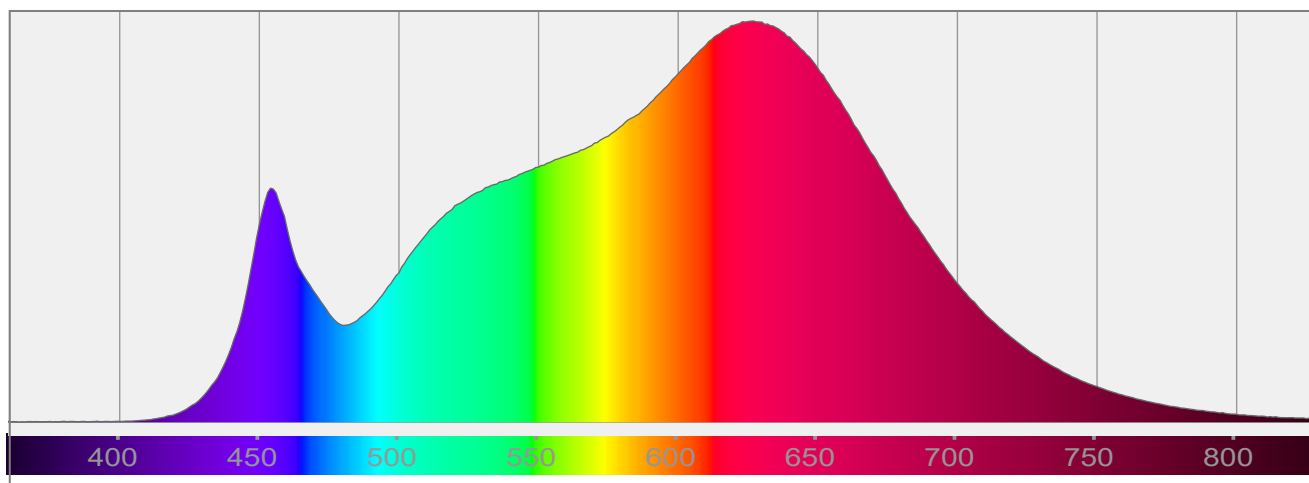
**Output: 840 lm**

**Peak: 3996 cd**

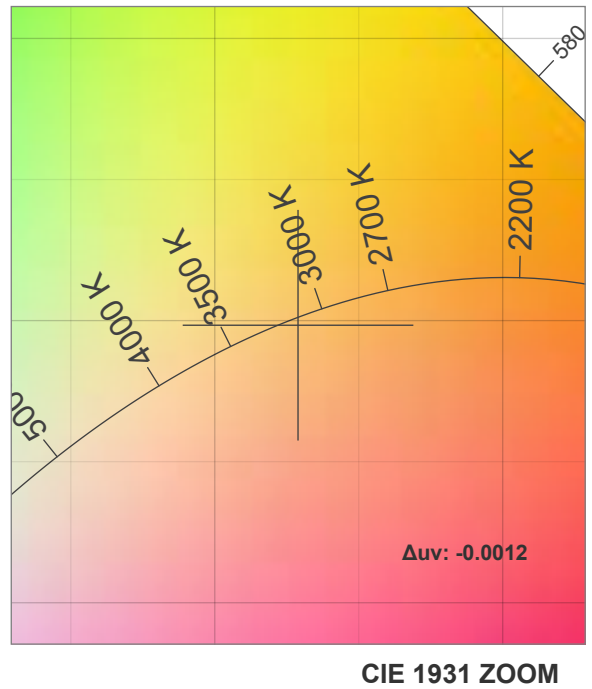
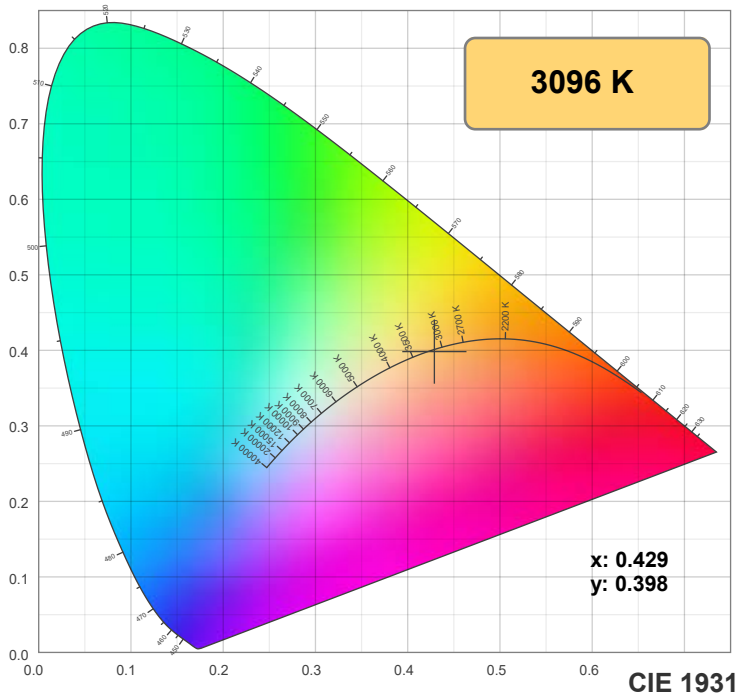
**Power: 14.6 W**

**PF: 0.99**

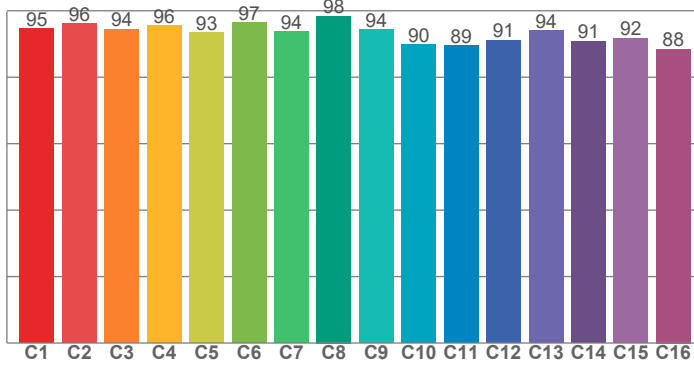
Spectra:



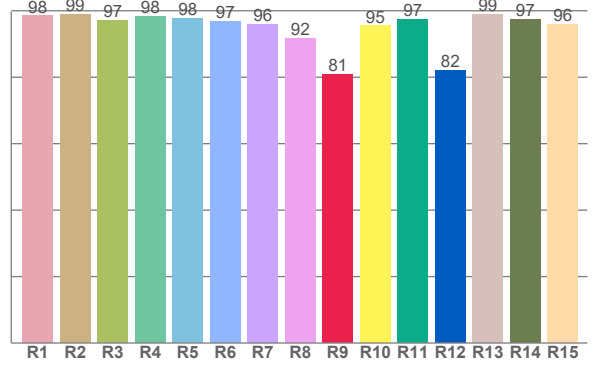
## Color Details



**TM-30: 93.4**



**CRI: 96.8 (R1-R8)**



**CRI R Values:**

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.5 | 98.8 | 97.0 | 98.2 | 97.7 | 96.9 | 95.9 | 91.8 | 80.7 | 95.4 | 97.3 | 82.0 | 99.0 | 97.4 | 96.0 |

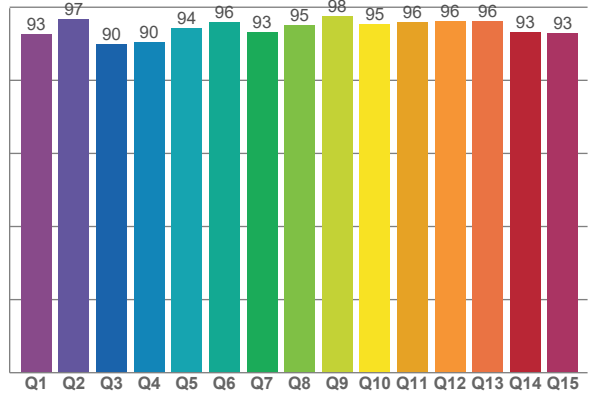
**TM30 C Values:**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.5 | 96.0 | 94.5 | 95.5 | 93.4 | 96.5 | 93.8 | 98.4 | 94.4 | 90.0 | 89.5 | 91.2 | 94.0 | 90.9 | 91.8 | 88.5 |

**CQS Q values:**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.7 | 96.8 | 89.8 | 90.4 | 94.3 | 95.9 | 93.2 | 95.1 | 97.5 | 95.4 | 95.8 | 96.2 | 96.3 | 93.2 | 93.0 |

**CQS: 93.8**



**Color Parameters:**

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x     | y     | u     | v     | $\Delta uv$ |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|-------------|
| 3096 K | 96.8 | 80.7   | 93.4    | 100.6   | 93.8 | 0.429 | 0.398 | 0.248 | 0.345 | -0.0012     |

# TM-30 Details

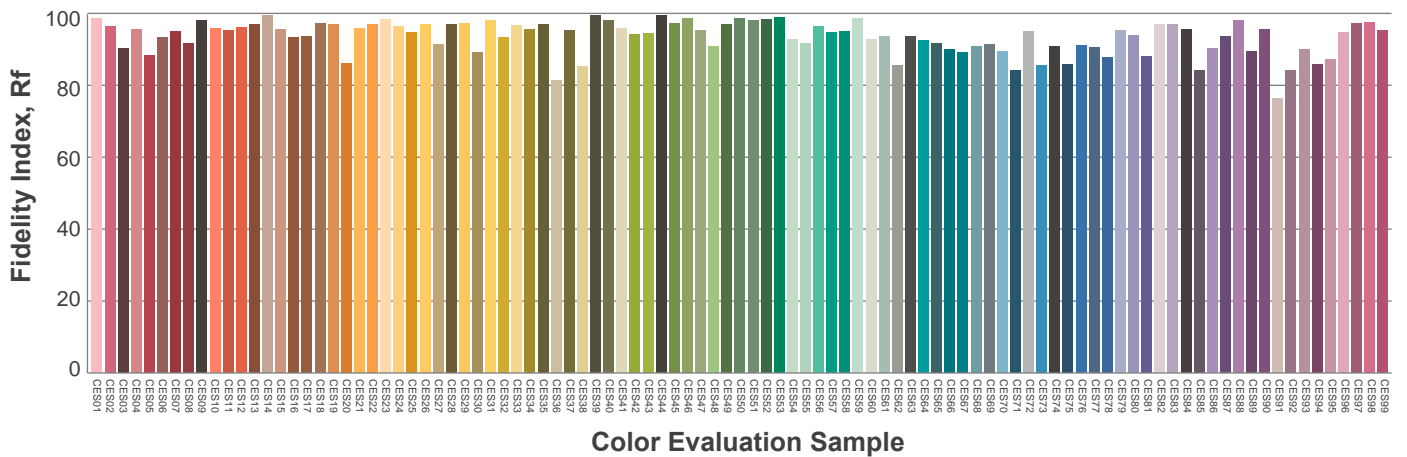
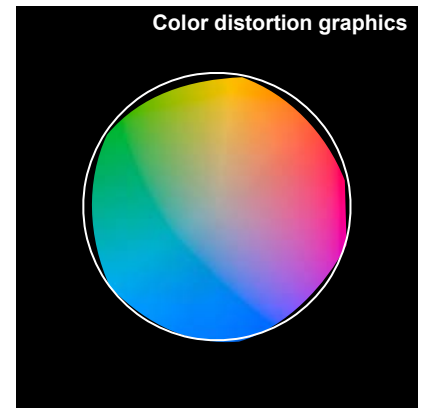
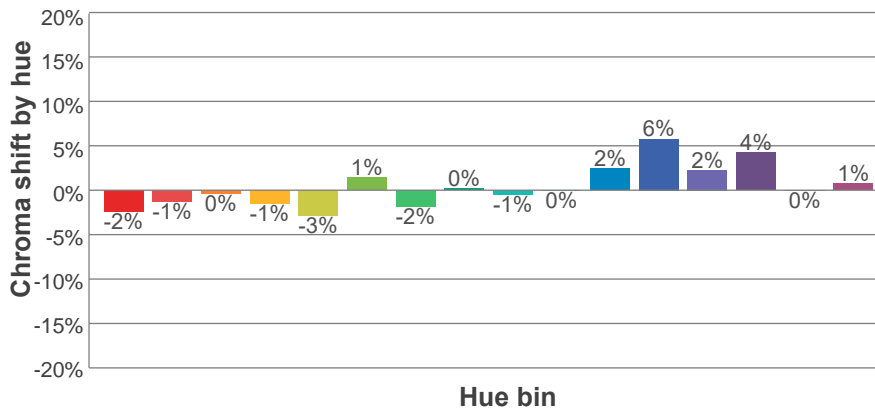
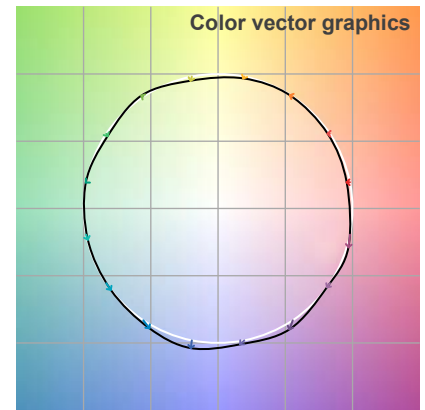
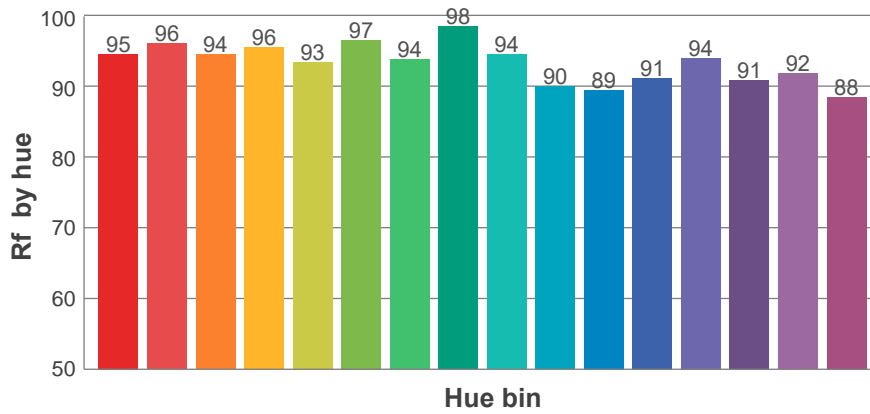
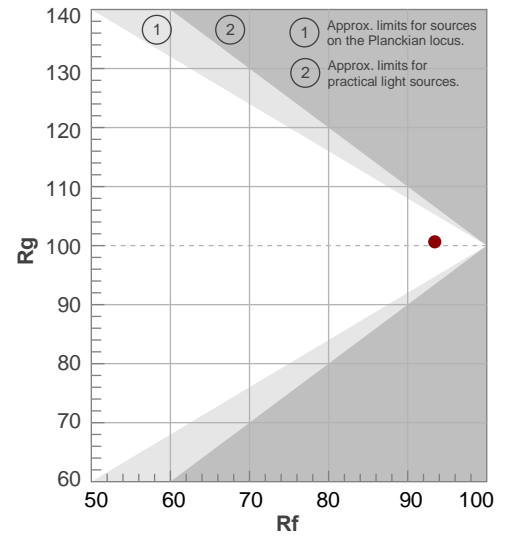
**Rf 93.4**

Fidelity index Rf

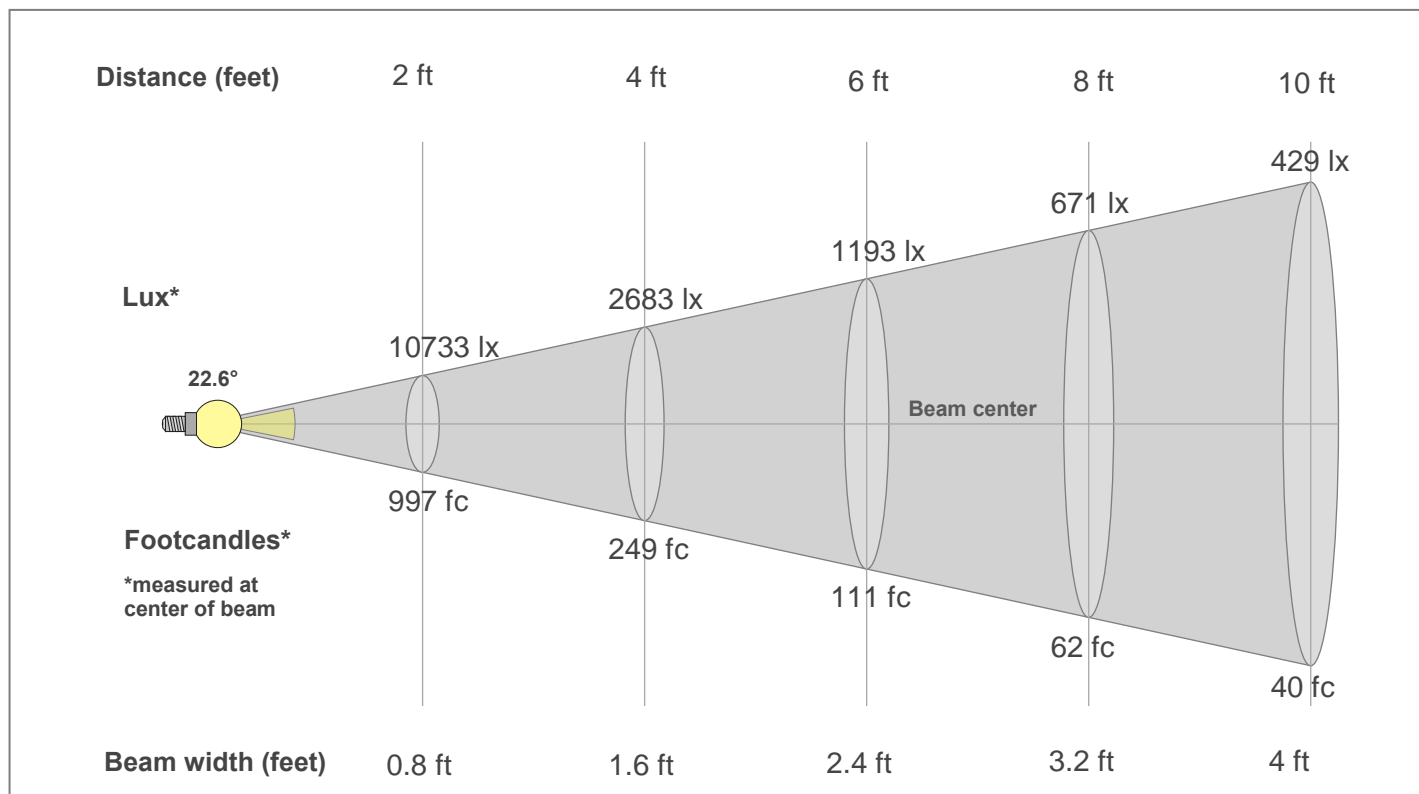
**Rg 100.6**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 95             | -2%        | 0%  |
| 2       | 96             | -1%        | 1%  |
| 3       | 94             | 0%         | 2%  |
| 4       | 96             | -1%        | 0%  |
| 5       | 93             | -3%        | 2%  |
| 6       | 97             | 1%         | 1%  |
| 7       | 94             | -2%        | 1%  |
| 8       | 98             | 0%         | 0%  |
| 9       | 94             | -1%        | 4%  |
| 10      | 90             | 0%         | 6%  |
| 11      | 89             | 2%         | 7%  |
| 12      | 91             | 6%         | 0%  |
| 13      | 94             | 2%         | -4% |
| 14      | 91             | 4%         | -6% |
| 15      | 92             | 0%         | -4% |
| 16      | 88             | 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 |
| 3988lx  | 997lx  | 443lx  | 249lx  | 160lx  | 111lx  | 81lx  | 62lx   | 49lx   | 40lx   | 33lx   | 28lx   | 24lx   | 20lx   | 18lx   | 16lx   | 14lx   | 12lx   | 11lx   | 10lx   |
| 370.5fc | 92.6fc | 41.2fc | 23.2fc | 14.8fc | 10.3fc | 7.6fc | 5.8fc  | 4.6fc  | 3.7fc  | 3.1fc  | 2.6fc  | 2.2fc  | 1.9fc  | 1.6fc  | 1.4fc  | 1.3fc  | 1.1fc  | 1fc    | 0.9fc  |

### 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3988 | 3934 | 3728 | 3374 | 2898 | 2355 | 1830 | 1383 | 1045 | 795 | 613 | 472 | 365 | 277 | 203 | 141 | 94  | 51  | 28  | 19  |
| 100% | 99%  | 93%  | 85%  | 73%  | 59%  | 46%  | 35%  | 26%  | 20% | 15% | 12% | 9%  | 7%  | 5%  | 4%  | 2%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3988 | 3911 | 3695 | 3329 | 2852 | 2320 | 1823 | 1399 | 1076 | 830 | 644 | 501 | 388 | 297 | 218 | 153 | 100 | 54  | 29  | 20  |
| 100% | 98%  | 93%  | 83%  | 72%  | 58%  | 46%  | 35%  | 27%  | 21% | 16% | 13% | 10% | 7%  | 5%  | 4%  | 3%  | 1%  | 1%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3988 | 3934 | 3728 | 3374 | 2898 | 2355 | 1830 | 1383 | 1045 | 795 | 613 | 472 | 365 | 277 | 203 | 141 | 94  | 51  | 28  | 19  |
| 100% | 99%  | 93%  | 85%  | 73%  | 59%  | 46%  | 35%  | 26%  | 20% | 15% | 12% | 9%  | 7%  | 5%  | 4%  | 2%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3988 | 3911 | 3695 | 3329 | 2852 | 2320 | 1823 | 1399 | 1076 | 830 | 644 | 501 | 388 | 297 | 218 | 153 | 100 | 54  | 29  | 20  |
| 100% | 98%  | 93%  | 83%  | 72%  | 58%  | 46%  | 35%  | 27%  | 21% | 16% | 13% | 10% | 7%  | 5%  | 4%  | 3%  | 1%  | 1%  | 0%  |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 22.6°          | 47.1°           | 63.8°              | 99.4%                   | 99.2%                  |