

## Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-WD-R-WD-15-NFL-DIM1-2-350-FLR-2-BV

Trim Model:

FLR-2-BV-WH

Date:

3/21/2022



Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 96.8

Color temperature:

3130 K

CIE 1931:

x: 0.427  
y: 0.399

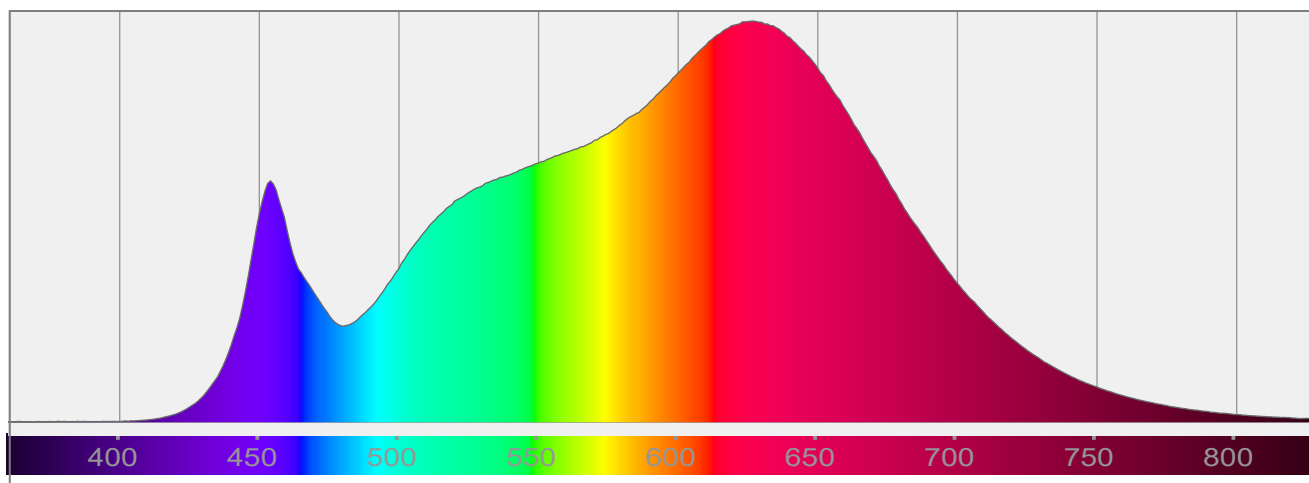
Output: 706 lm

Peak: 2291 cd

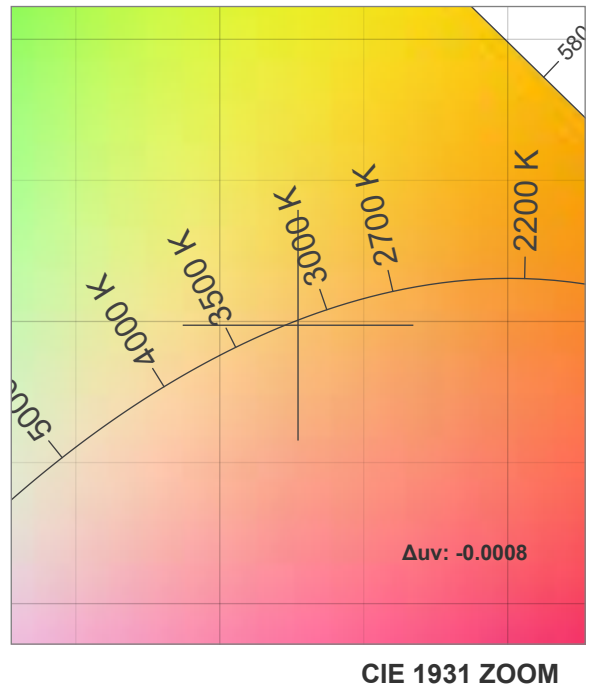
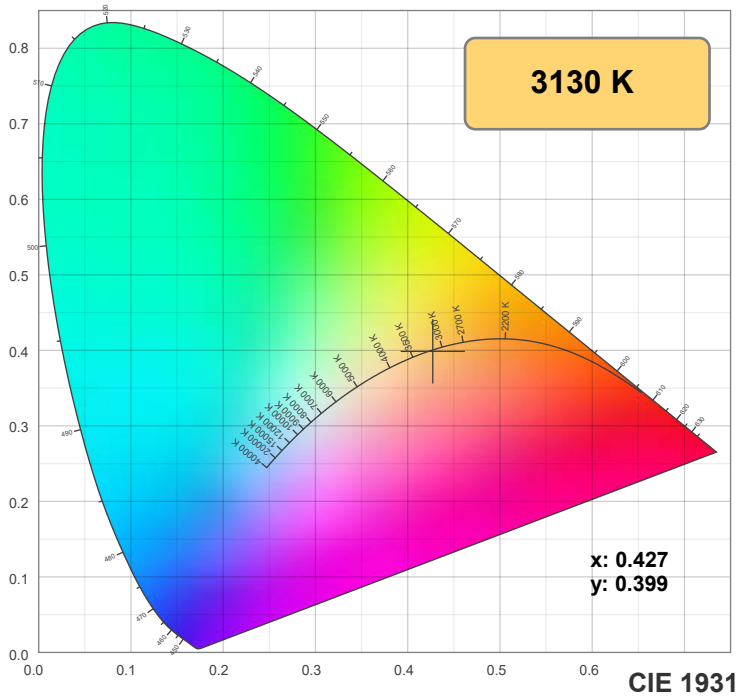
Power: 14.6 W

PF: 1.0

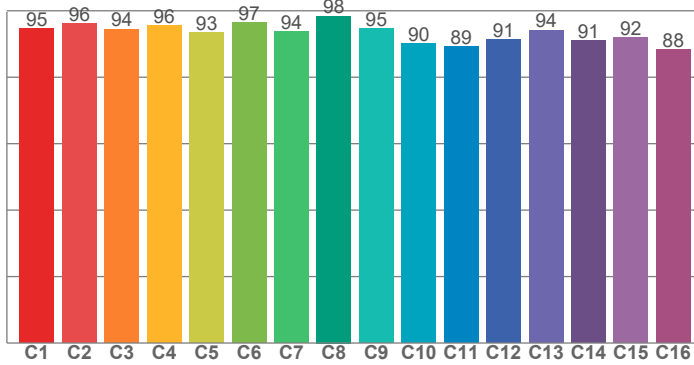
Spectra:



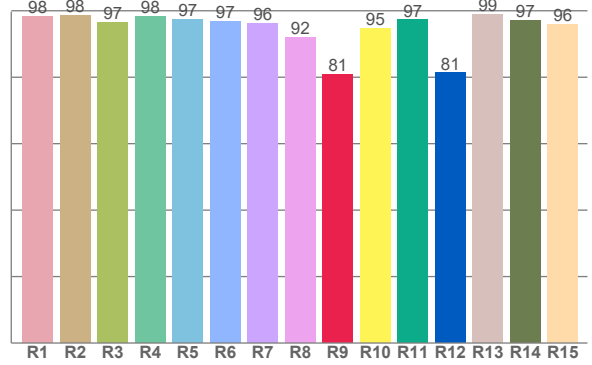
## Color Details



**TM-30: 93.5**



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



**CRI R Values:**

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.3 | 98.5 | 96.6 | 98.2 | 97.5 | 96.8 | 96.3 | 92.0 | 80.7 | 94.7 | 97.2 | 81.3 | 98.8 | 97.1 | 95.8 |

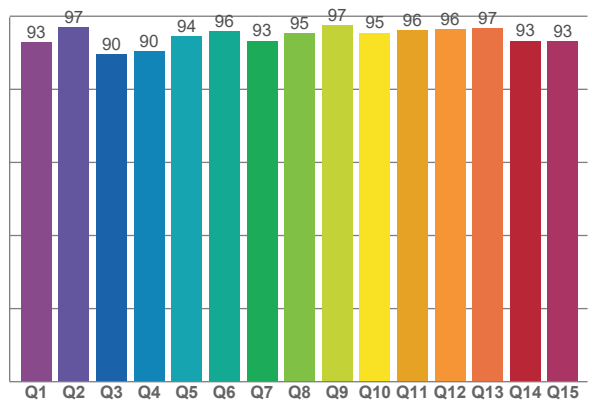
**TM30 C Values:**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.6 | 96.1 | 94.5 | 95.6 | 93.4 | 96.5 | 93.9 | 98.4 | 94.6 | 90.0 | 89.3 | 91.2 | 94.2 | 91.0 | 91.9 | 88.4 |

**CQS Q values:**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.8 | 96.9 | 89.7 | 90.5 | 94.4 | 95.8 | 93.3 | 95.4 | 97.4 | 95.5 | 96.0 | 96.5 | 96.6 | 93.3 | 93.1 |

**CQS: 93.9**



**Color Parameters:**

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x     | y     | u     | v     | Δuv     |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 3130 K | 96.8 | 80.7   | 93.5    | 100.7   | 93.9 | 0.427 | 0.399 | 0.247 | 0.345 | -0.0008 |

# TM-30 Details

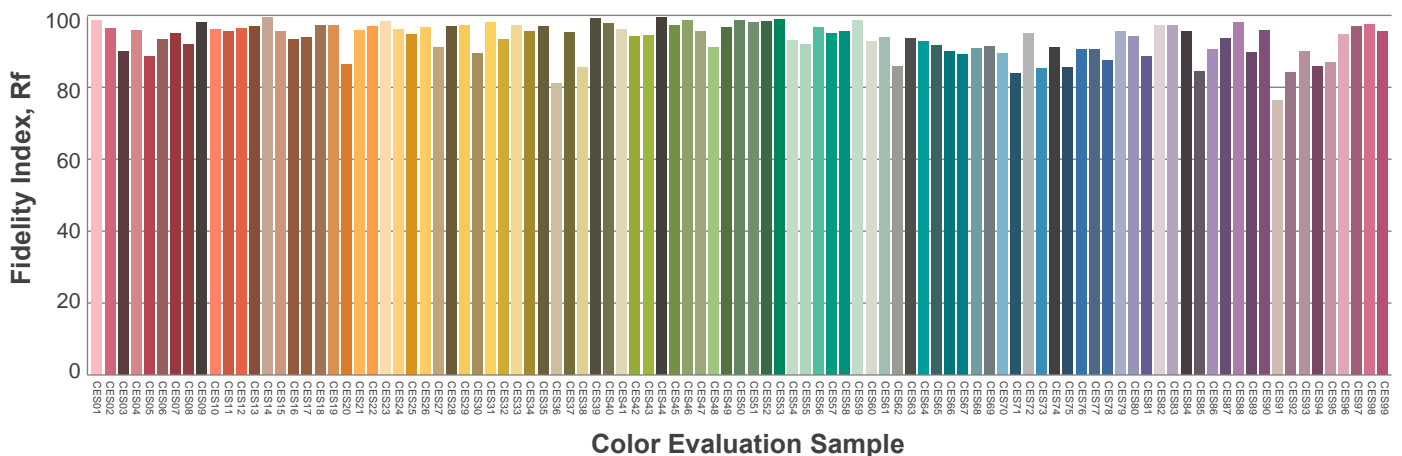
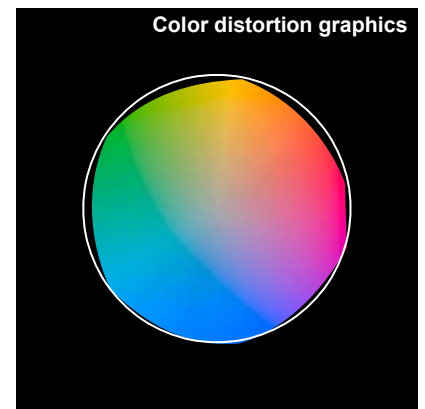
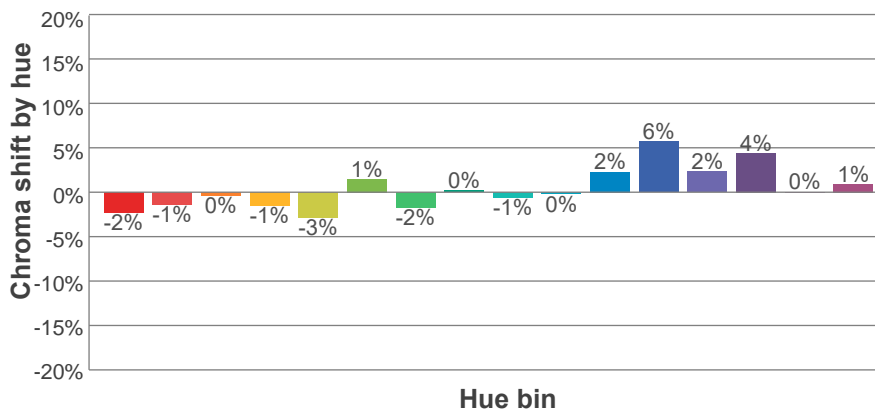
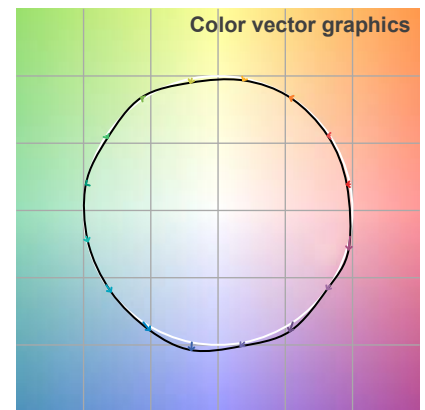
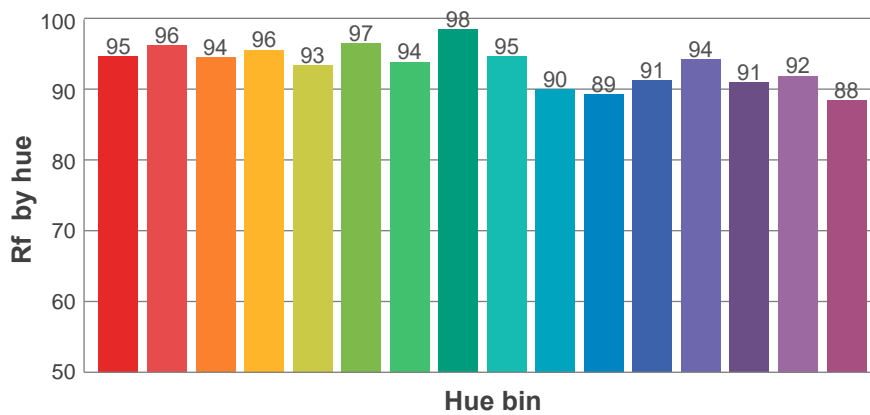
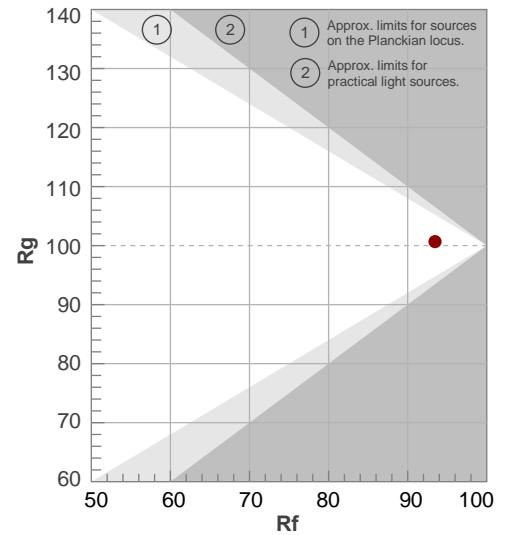
**Rf 93.5**

Fidelity index Rf

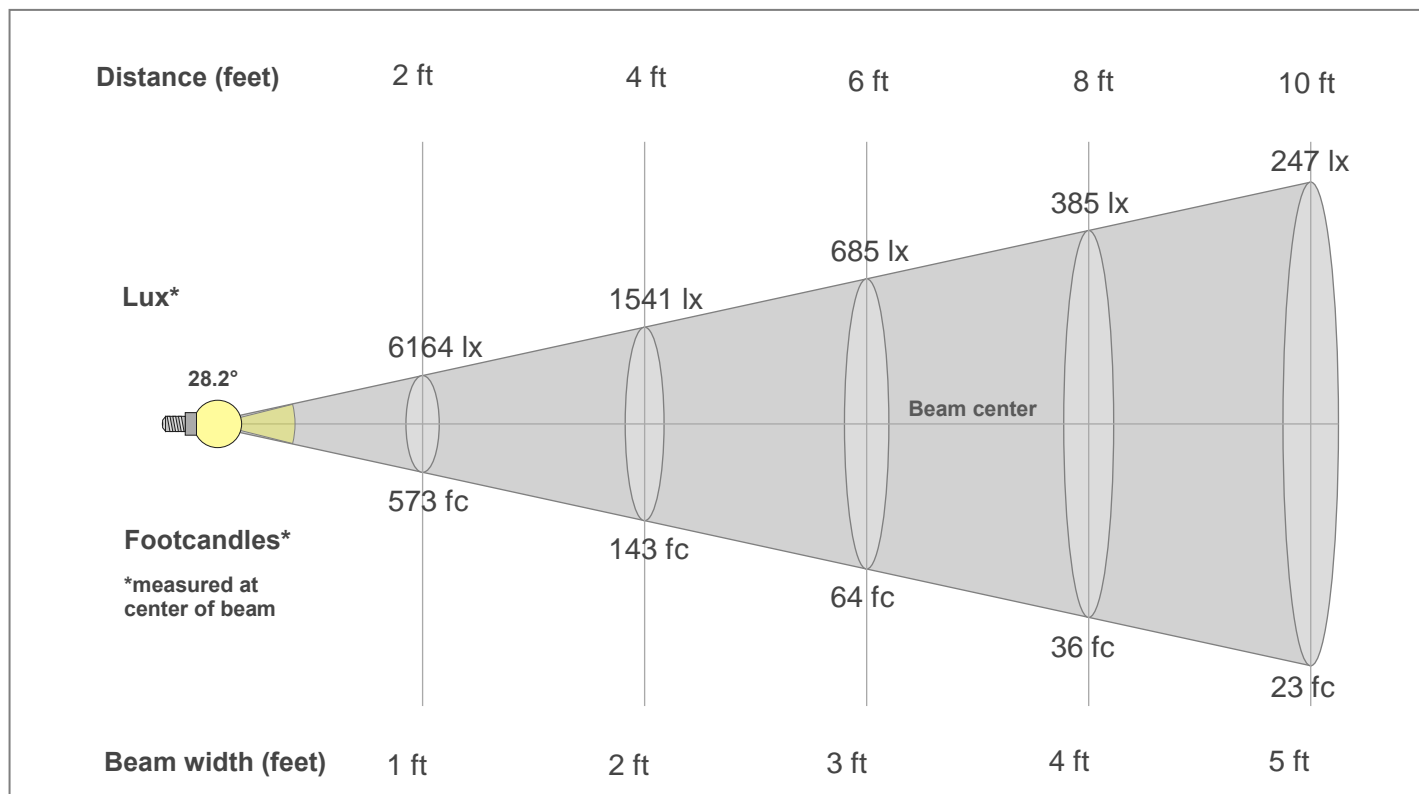
**Rg 100.7**

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       | 95             | -1%        | 4%  |
| 10      | 90             | 0%         | 6%  |
| 11      | 89             | 2%         | 7%  |
| 12      | 91             | 6%         | 1%  |
| 13      | 94             | 2%         | -3% |
| 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 |
| 2291lx  | 573lx  | 255lx  | 143lx  | 92lx   | 64lx   | 47lx  | 36lx   | 28lx   | 23lx   | 19lx   | 16lx   | 14lx   | 12lx   | 10lx   | 9lx    | 8lx    | 7lx    | 6lx    | 6lx    |
| 212.8fc | 53.2fc | 23.6fc | 13.3fc | 8.5fc  | 5.9fc  | 4.3fc | 3.3fc  | 2.6fc  | 2.1fc  | 1.8fc  | 1.5fc  | 1.3fc  | 1.1fc  | 0.9fc  | 0.8fc  | 0.7fc  | 0.7fc  | 0.6fc  | 0.5fc  |

### 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2291 | 2261 | 2163 | 2012 | 1823 | 1606 | 1381 | 1156 | 946 | 756 | 593 | 461 | 355 | 274 | 212 | 166 | 130 | 102 | 78  | 58  |
| 100% | 99%  | 94%  | 88%  | 80%  | 70%  | 60%  | 50%  | 41% | 33% | 26% | 20% | 16% | 12% | 9%  | 7%  | 6%  | 4%  | 3%  | 3%  |

### 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2291 | 2261 | 2163 | 2012 | 1823 | 1606 | 1381 | 1156 | 946 | 756 | 593 | 461 | 355 | 274 | 212 | 166 | 130 | 102 | 78  | 58  |
| 100% | 99%  | 94%  | 88%  | 80%  | 70%  | 60%  | 50%  | 41% | 33% | 26% | 20% | 16% | 12% | 9%  | 7%  | 6%  | 4%  | 3%  | 3%  |

### 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2291 | 2261 | 2163 | 2012 | 1823 | 1606 | 1381 | 1156 | 946 | 756 | 593 | 461 | 355 | 274 | 212 | 166 | 130 | 102 | 78  | 58  |
| 100% | 99%  | 94%  | 88%  | 80%  | 70%  | 60%  | 50%  | 41% | 33% | 26% | 20% | 16% | 12% | 9%  | 7%  | 6%  | 4%  | 3%  | 3%  |

### 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2291 | 2261 | 2163 | 2012 | 1823 | 1606 | 1381 | 1156 | 946 | 756 | 593 | 461 | 355 | 274 | 212 | 166 | 130 | 102 | 78  | 58  |
| 100% | 99%  | 94%  | 88%  | 80%  | 70%  | 60%  | 50%  | 41% | 33% | 26% | 20% | 16% | 12% | 9%  | 7%  | 6%  | 4%  | 3%  | 3%  |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 28.2°          | 54.8°           | 76.1°              | 98.9%                   | 97.4%                  |