

# Photometric / Colorimetric / Electric Report

Fixture Model:  
**MPT2-S-WD-4-6-WH-25-DIM1-M-350**

Trim Model:



Date:  
**8/7/2024**

Light efficiency:  
**56 Lumen/Watt**

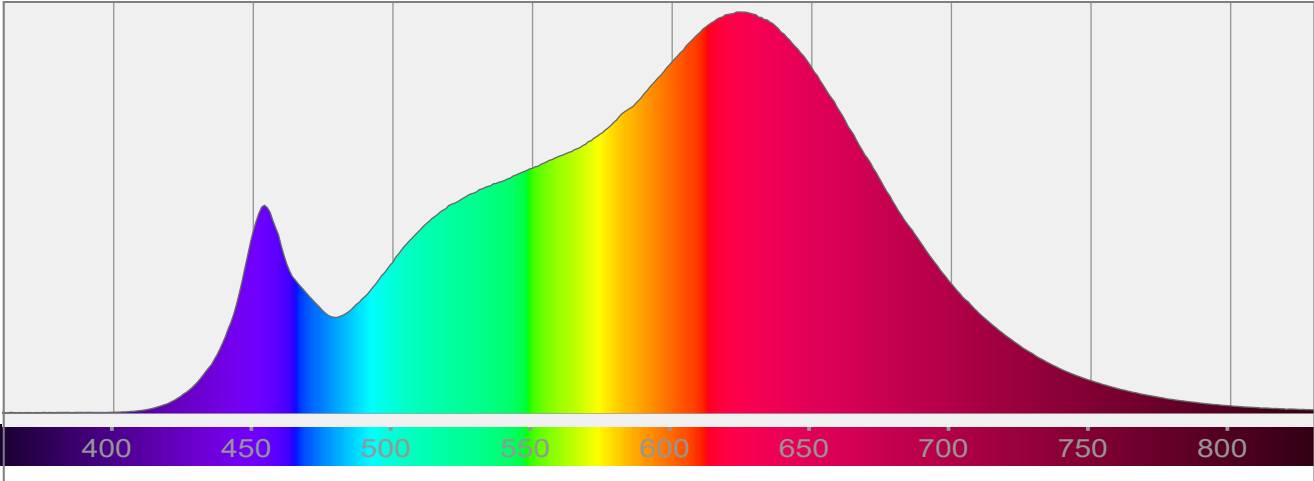
Light quality:  
**CRI: 96.7**

Color temperature:  
**3019 K**

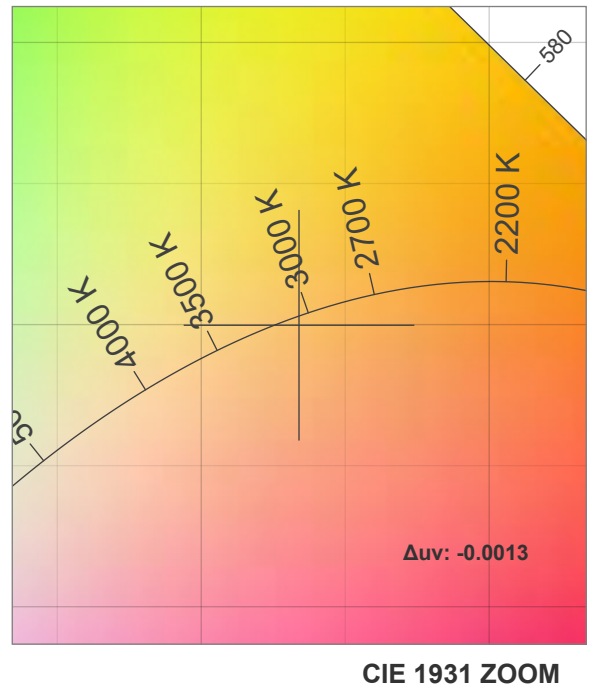
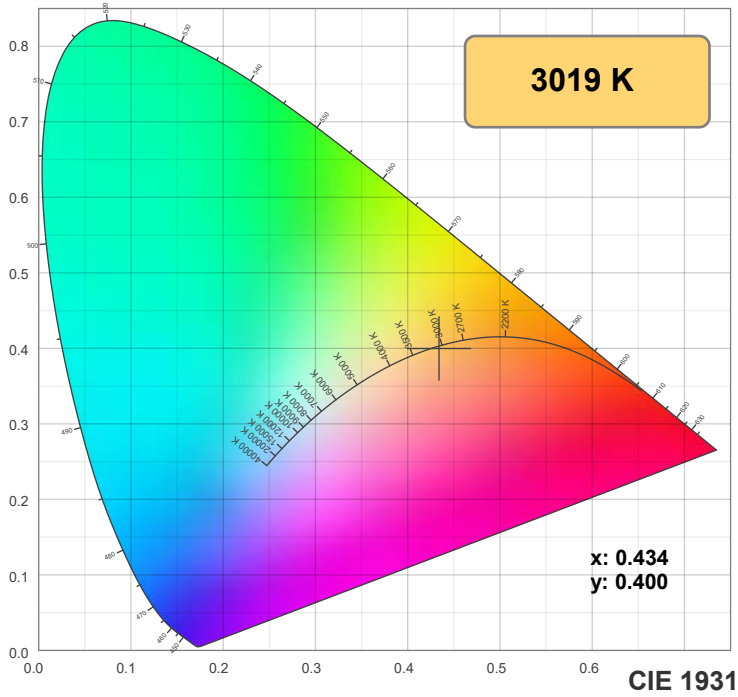
CIE 1931:  
**x: 0.434**  
**y: 0.400**

|         |         |
|---------|---------|
| Output: | 820 lm  |
| Peak:   | 2771 cd |
| Power:  | 14.6 W  |
| PF:     | 0.99    |

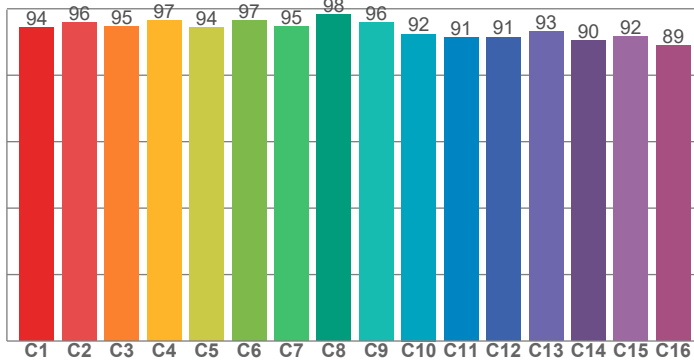
## Spectra:



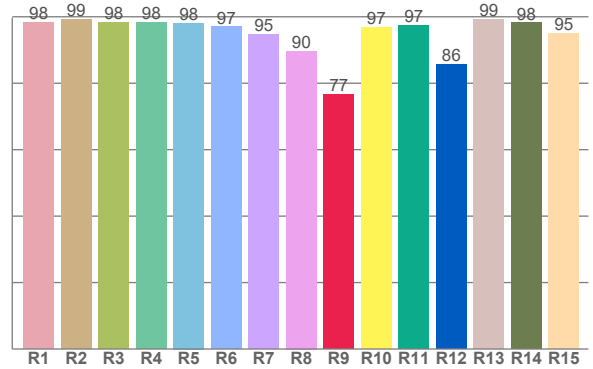
## Color Details



**TM-30: 93.9**



**CRI: 96.7 (R1-R8)**



**CRI R Values:**

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.4 | 99.2 | 98.3 | 98.3 | 98.1 | 96.9 | 94.8 | 89.7 | 76.7 | 96.9 | 97.3 | 85.7 | 99.1 | 98.1 | 95.1 |

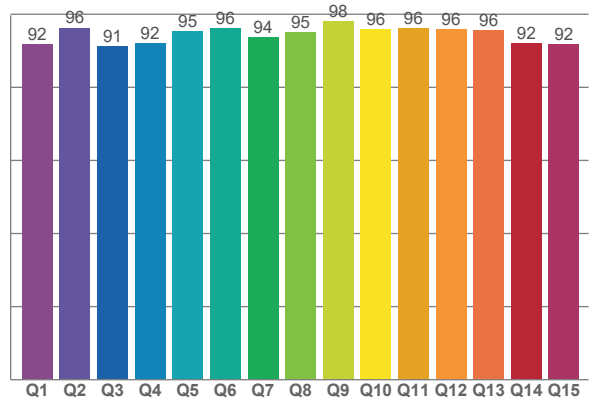
**TM30 C Values:**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.3 | 95.8 | 94.6 | 96.6 | 94.4 | 96.5 | 94.6 | 98.3 | 95.8 | 92.4 | 91.3 | 91.5 | 93.1 | 90.5 | 91.7 | 88.8 |

**CQS Q values:**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.8 | 96.3 | 91.3 | 92.1 | 95.4 | 96.2 | 93.6 | 95.0 | 98.2 | 95.9 | 96.1 | 96.0 | 95.7 | 92.0 | 91.8 |

**CQS: 94.0**



**Color Parameters:**

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x     | y     | u     | v     | Δuv     |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 3019 K | 96.7 | 76.7   | 93.9    | 100.5   | 94.0 | 0.434 | 0.400 | 0.251 | 0.346 | -0.0013 |

# TM-30 Details

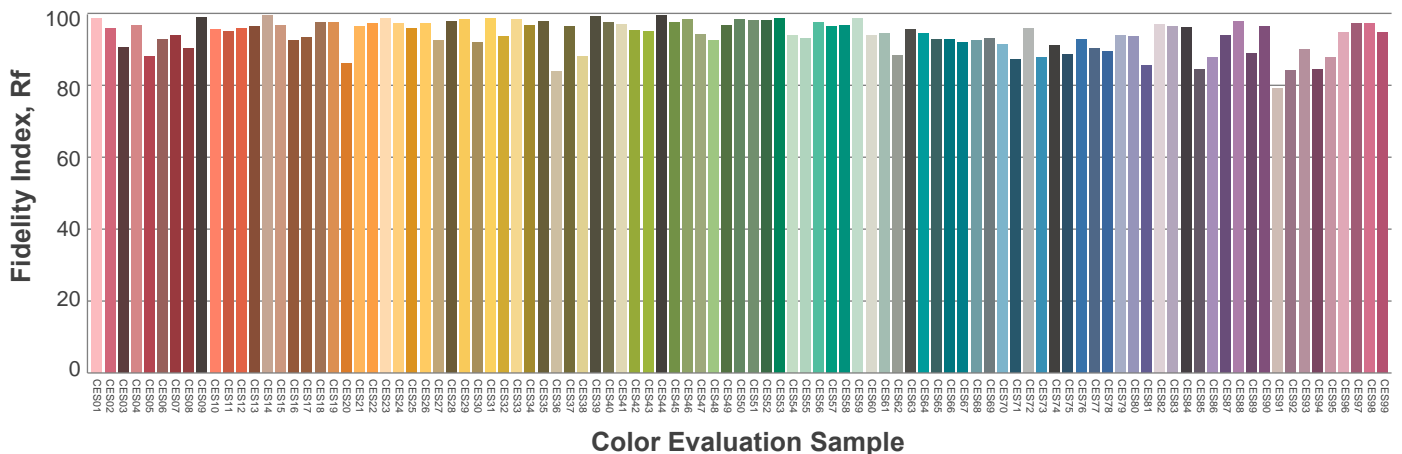
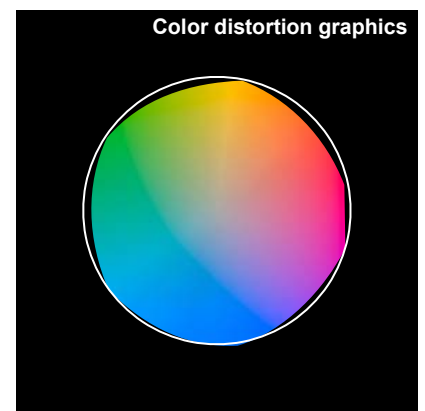
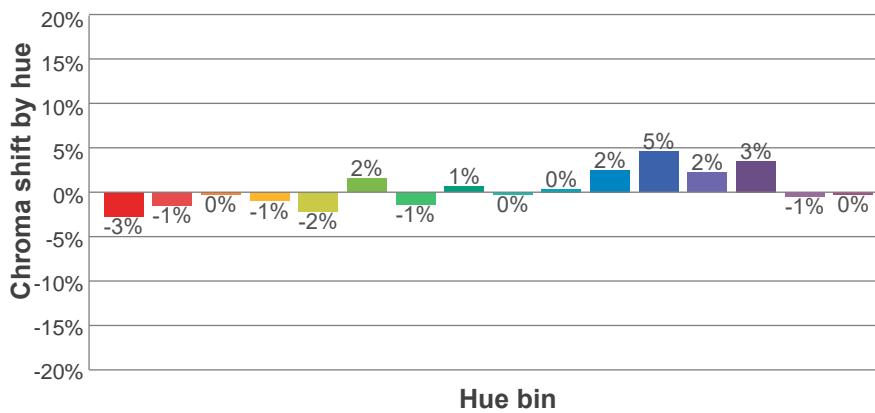
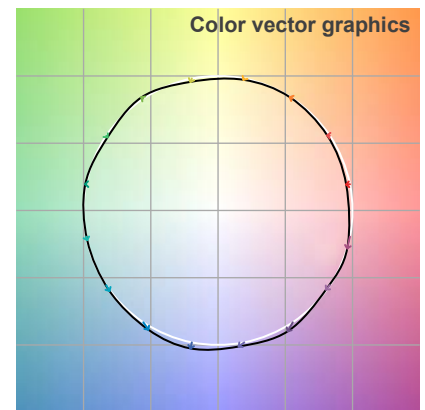
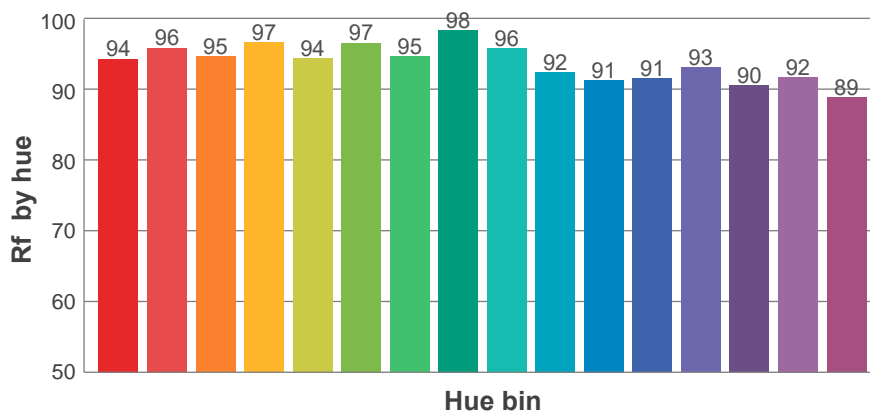
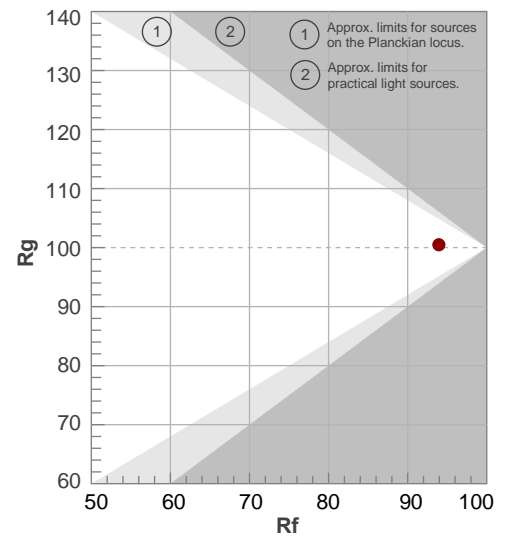
**Rf 93.9**

Fidelity index Rf

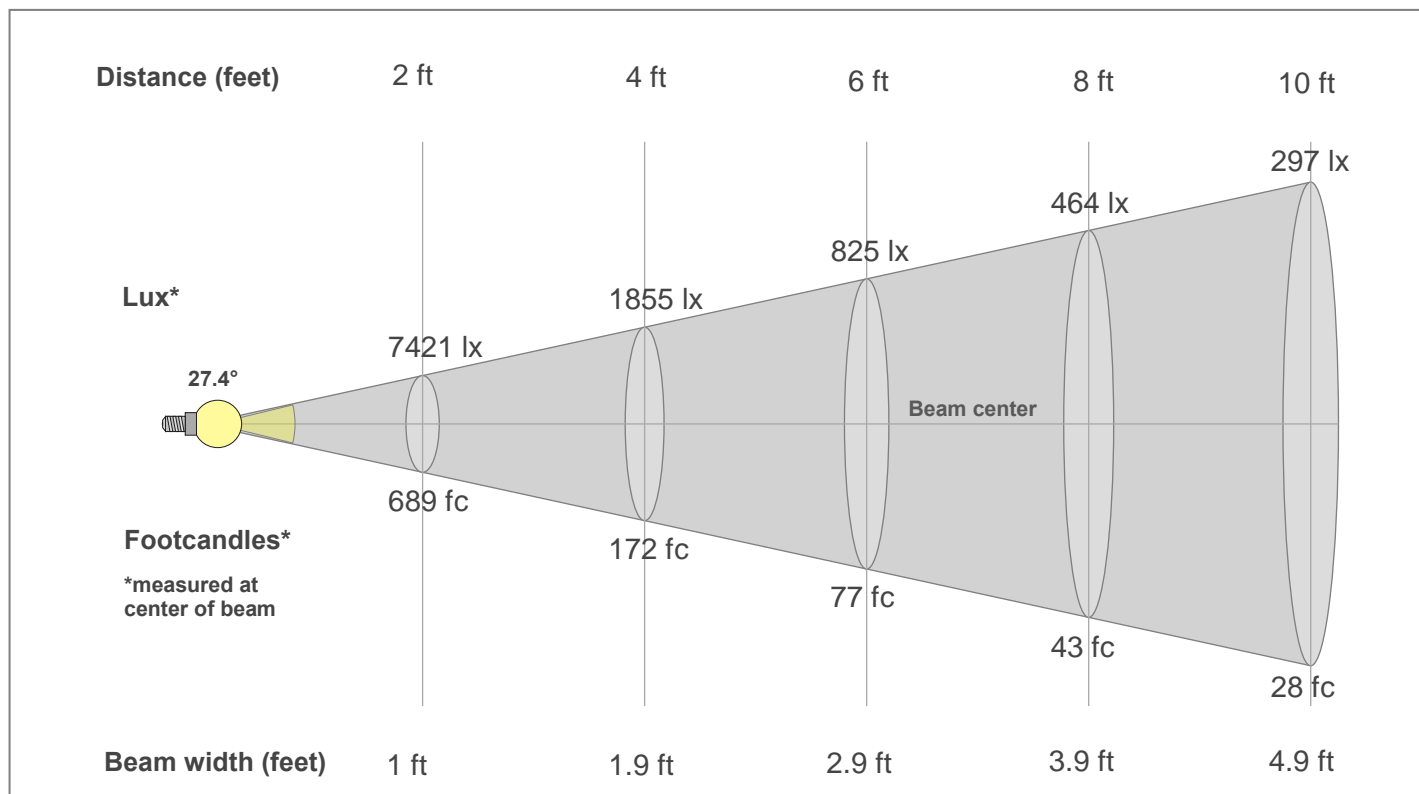
**Rg 100.5**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 94             | -3%        | 0%  |
| 2       | 96             | -1%        | 1%  |
| 3       | 95             | 0%         | 2%  |
| 4       | 97             | -1%        | 0%  |
| 5       | 94             | -2%        | 1%  |
| 6       | 97             | 2%         | 1%  |
| 7       | 95             | -1%        | 0%  |
| 8       | 98             | 1%         | 0%  |
| 9       | 96             | 0%         | 3%  |
| 10      | 92             | 0%         | 5%  |
| 11      | 91             | 2%         | 6%  |
| 12      | 91             | 5%         | 0%  |
| 13      | 93             | 2%         | -5% |
| 14      | 90             | 3%         | -7% |
| 15      | 92             | -1%        | -4% |
| 16      | 89             | 0%         | -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 |
| 2758lx  | 689lx | 306lx  | 172lx  | 110lx  | 77lx   | 56lx  | 43lx   | 34lx   | 28lx   | 23lx   | 19lx   | 16lx   | 14lx   | 12lx   | 11lx   | 10lx   | 9lx    | 8lx    | 7lx    |
| 256.2fc | 64fc  | 28.5fc | 16fc   | 10.2fc | 7.1fc  | 5.2fc | 4fc    | 3.2fc  | 2.6fc  | 2.1fc  | 1.8fc  | 1.5fc  | 1.3fc  | 1.1fc  | 1fc    | 0.9fc  | 0.8fc  | 0.7fc  | 0.6fc  |

### 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2758 | 2705 | 2579 | 2383 | 2149 | 1886 | 1611 | 1336 | 1079 | 853 | 664 | 511 | 395 | 306 | 242 | 193 | 157 | 128 | 105 | 86  |
| 100% | 98%  | 94%  | 86%  | 78%  | 68%  | 58%  | 48%  | 39%  | 31% | 24% | 19% | 14% | 11% | 9%  | 7%  | 6%  | 5%  | 4%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2758 | 2727 | 2600 | 2404 | 2161 | 1896 | 1616 | 1334 | 1075 | 841 | 651 | 496 | 381 | 295 | 232 | 186 | 151 | 124 | 102 | 83  |
| 100% | 99%  | 94%  | 87%  | 78%  | 69%  | 59%  | 48%  | 39%  | 31% | 24% | 18% | 14% | 11% | 8%  | 7%  | 5%  | 4%  | 4%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2758 | 2705 | 2579 | 2383 | 2149 | 1886 | 1611 | 1336 | 1079 | 853 | 664 | 511 | 395 | 306 | 242 | 193 | 157 | 128 | 105 | 86  |
| 100% | 98%  | 94%  | 86%  | 78%  | 68%  | 58%  | 48%  | 39%  | 31% | 24% | 19% | 14% | 11% | 9%  | 7%  | 6%  | 5%  | 4%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2758 | 2727 | 2600 | 2404 | 2161 | 1896 | 1616 | 1334 | 1075 | 841 | 651 | 496 | 381 | 295 | 232 | 186 | 151 | 124 | 102 | 83  |
| 100% | 99%  | 94%  | 87%  | 78%  | 69%  | 59%  | 48%  | 39%  | 31% | 24% | 18% | 14% | 11% | 8%  | 7%  | 5%  | 4%  | 4%  | 3%  |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 27.4°          | 53.4°           | 79.8°              | 99.4%                   | 97.9%                  |