

## Photometric / Colorimetric / Electric Report

Fixture Model:

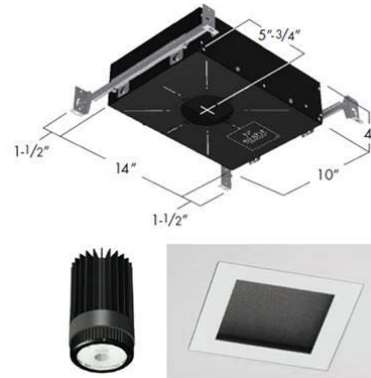
**804S-K2S-WD-4-15-PR1-8-350-FS-LG-P-1-WH-NL**

Trim Model:

**FS-LG-P-1-WH/NL**

Date:

**8/6/2024**



Light efficiency:

**66 Lumen/Watt**

Light quality:

**CRI: 96.7**

Color temperature:

**2994 K**

CIE 1931:

**x: 0.436  
y: 0.401**

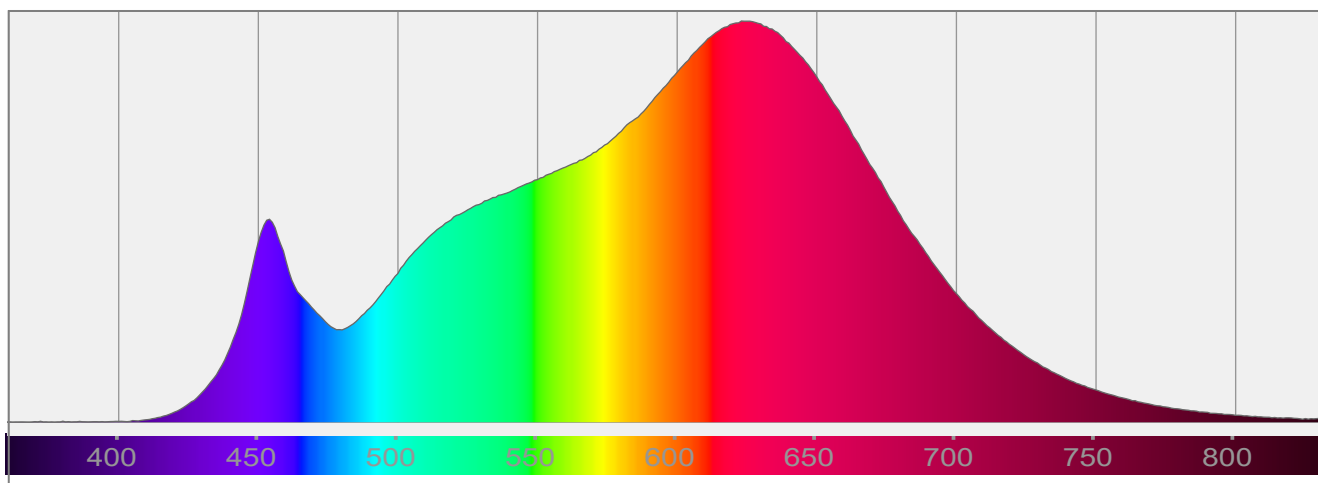
**Output: 964 lm**

**Peak: 4259 cd**

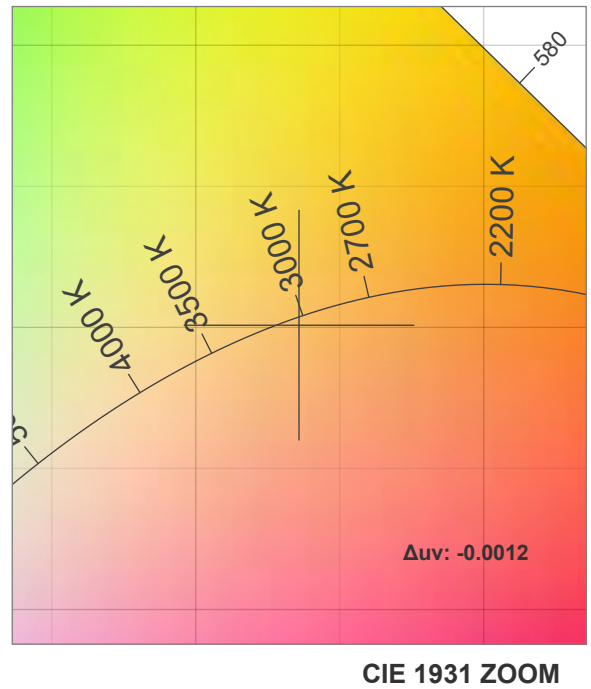
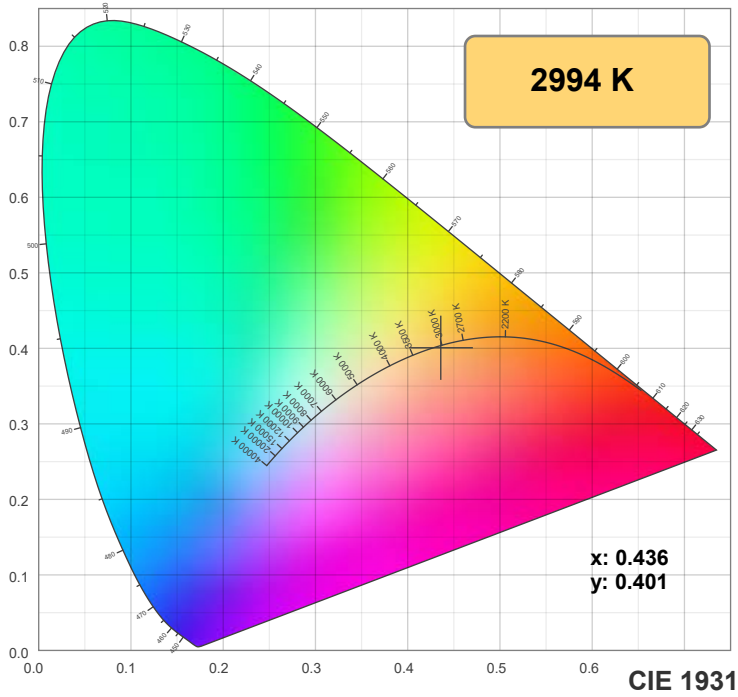
**Power: 14.6 W**

**PF: 0.99**

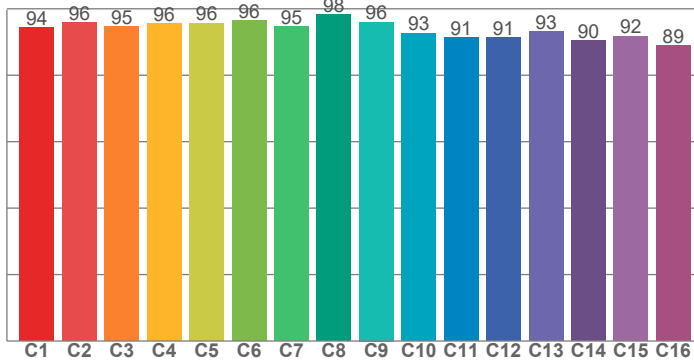
Spectra:



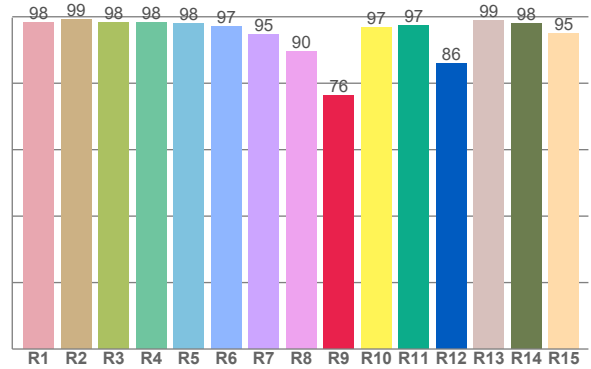
## Color Details



**TM-30: 94.0**



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



**CRI R Values:**

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.3 | 99.1 | 98.2 | 98.2 | 98.1 | 97.0 | 94.7 | 89.5 | 76.3 | 96.7 | 97.3 | 86.0 | 99.0 | 98.1 | 94.9 |

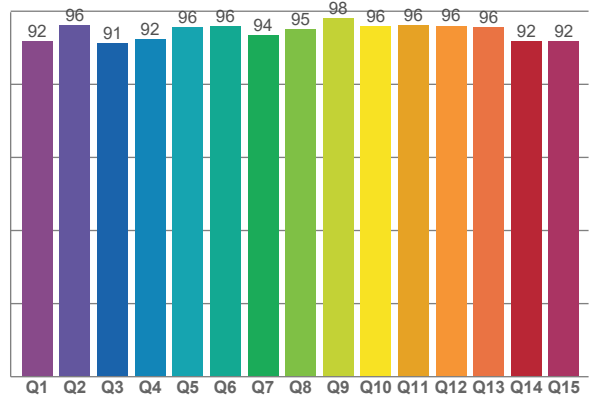
**TM30 C Values:**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.3 | 95.8 | 94.6 | 95.5 | 95.7 | 96.4 | 94.7 | 98.3 | 96.0 | 92.7 | 91.4 | 91.4 | 93.0 | 90.4 | 91.8 | 88.8 |

**CQS Q values:**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.7 | 96.2 | 91.3 | 92.3 | 95.6 | 95.9 | 93.5 | 95.0 | 98.1 | 95.9 | 96.2 | 96.0 | 95.7 | 91.8 | 91.7 |

**CQS: 93.9**



**Color Parameters:**

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x     | y     | u     | v     | Δuv     |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 2994 K | 96.7 | 76.3   | 94.0    | 100.6   | 93.9 | 0.436 | 0.401 | 0.251 | 0.347 | -0.0012 |

# TM-30 Details

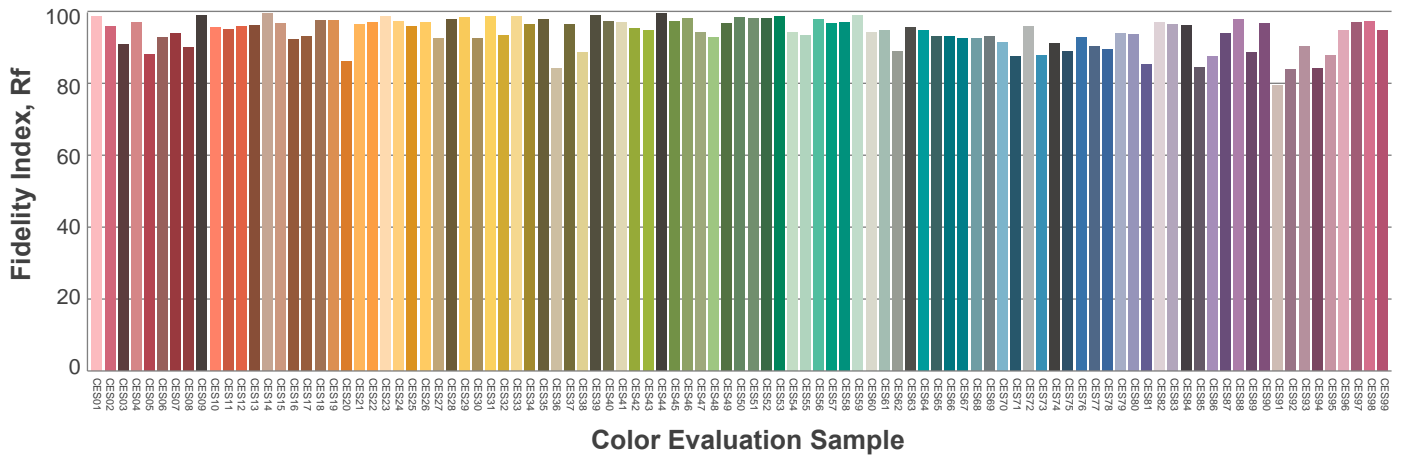
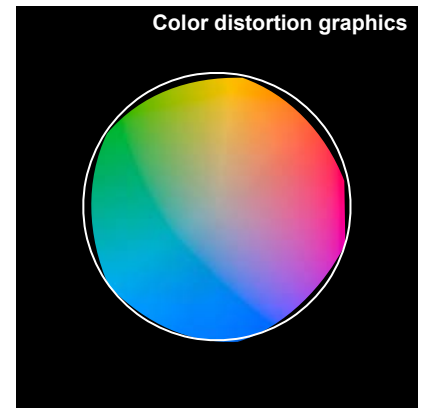
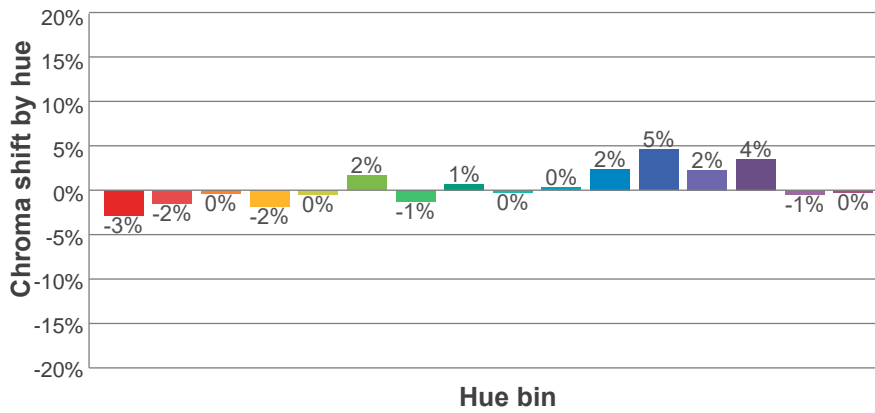
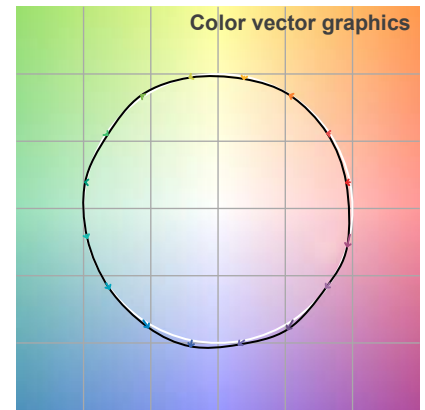
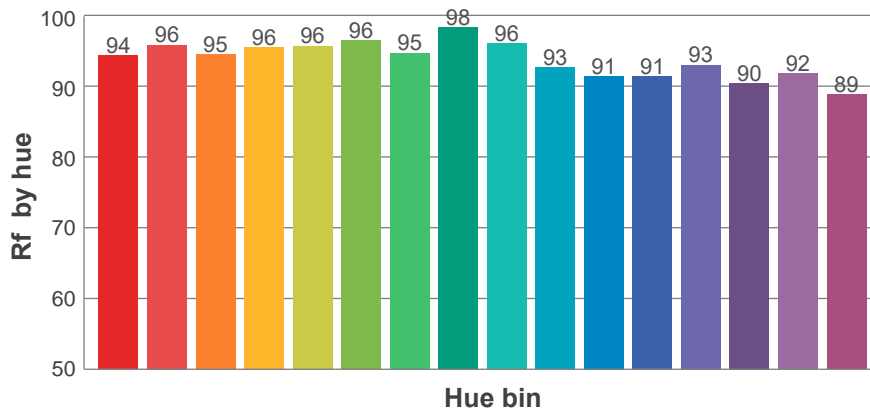
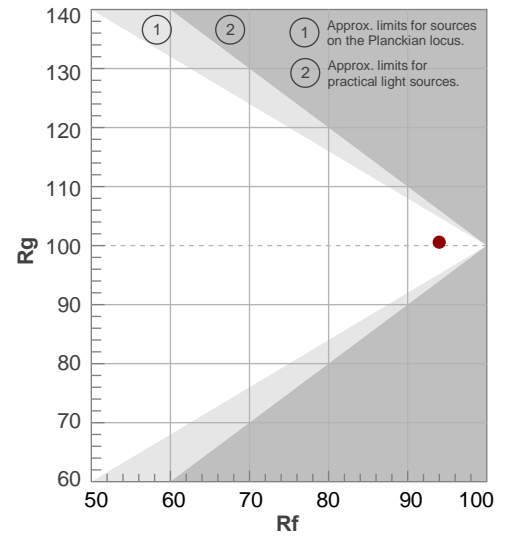
**Rf 94.0**

Fidelity index Rf

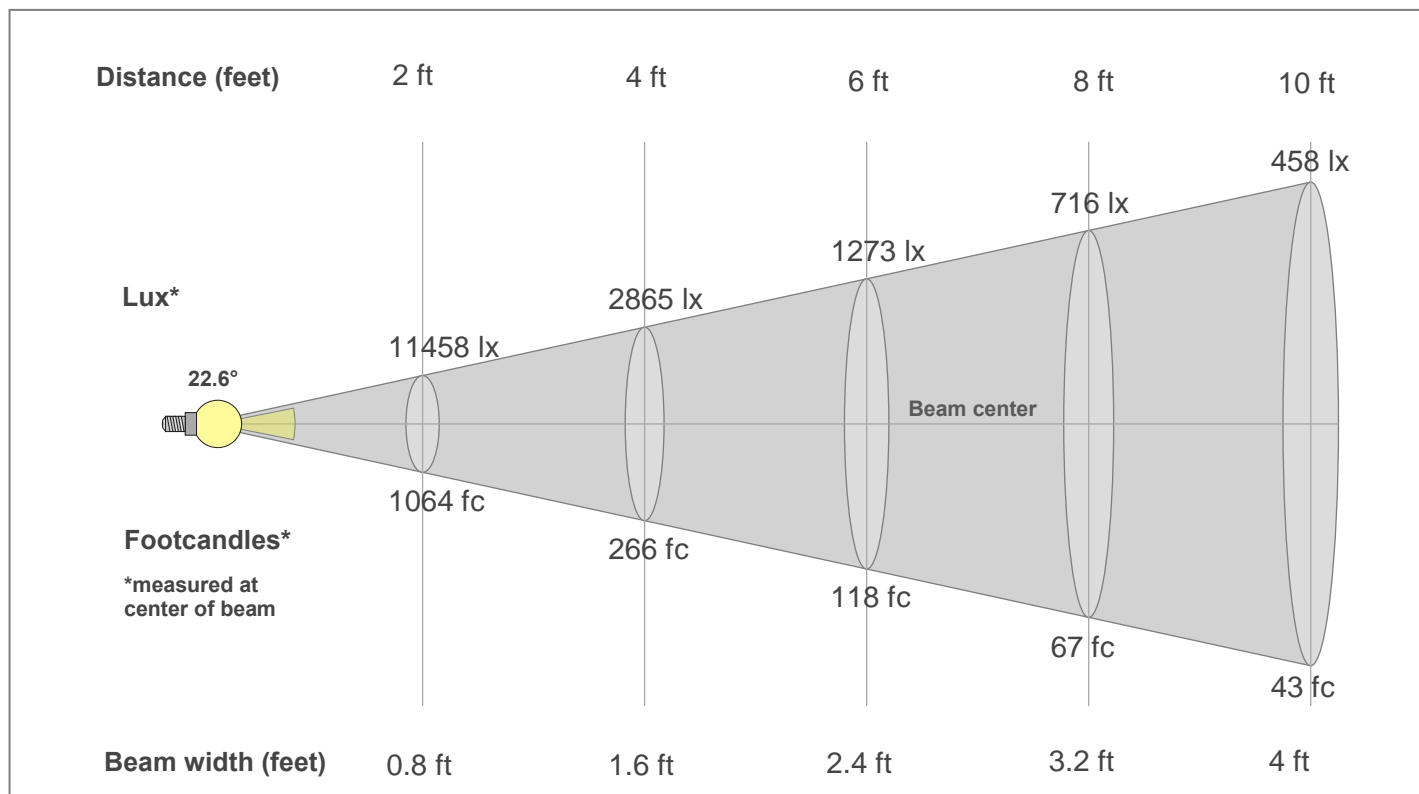
**Rg 100.6**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 94             | -3%        | 0%  |
| 2       | 96             | -2%        | 1%  |
| 3       | 95             | 0%         | 3%  |
| 4       | 96             | -2%        | 0%  |
| 5       | 96             | 0%         | 2%  |
| 6       | 96             | 2%         | 1%  |
| 7       | 95             | -1%        | 0%  |
| 8       | 98             | 1%         | 0%  |
| 9       | 96             | 0%         | 2%  |
| 10      | 93             | 0%         | 5%  |
| 11      | 91             | 2%         | 6%  |
| 12      | 91             | 5%         | 0%  |
| 13      | 93             | 2%         | -5% |
| 14      | 90             | 4%         | -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 |
| 4258lx  | 1064lx | 473lx | 266lx  | 170lx  | 118lx  | 87lx  | 67lx   | 53lx   | 43lx   | 35lx   | 30lx   | 25lx   | 22lx   | 19lx   | 17lx   | 15lx   | 13lx   | 12lx   | 11lx   |
| 395.6fc | 98.9fc | 44fc  | 24.7fc | 15.8fc | 11fc   | 8.1fc | 6.2fc  | 4.9fc  | 4fc    | 3.3fc  | 2.7fc  | 2.3fc  | 2fc    | 1.8fc  | 1.5fc  | 1.4fc  | 1.2fc  | 1.1fc  | 1fc    |

### 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4258 | 4177 | 3916 | 3509 | 2996 | 2451 | 1938 | 1502 | 1156 | 886 | 675 | 513 | 396 | 309 | 245 | 195 | 155 | 124 | 99  | 80  |
| 100% | 98%  | 92%  | 82%  | 70%  | 58%  | 46%  | 35%  | 27%  | 21% | 16% | 12% | 9%  | 7%  | 6%  | 5%  | 4%  | 3%  | 2%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4258 | 4183 | 3961 | 3571 | 3067 | 2509 | 1976 | 1517 | 1155 | 877 | 667 | 509 | 390 | 303 | 239 | 189 | 151 | 120 | 97  | 79  |
| 100% | 98%  | 93%  | 84%  | 72%  | 59%  | 46%  | 36%  | 27%  | 21% | 16% | 12% | 9%  | 7%  | 6%  | 4%  | 4%  | 3%  | 2%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4258 | 4177 | 3916 | 3509 | 2996 | 2451 | 1938 | 1502 | 1156 | 886 | 675 | 513 | 396 | 309 | 245 | 195 | 155 | 124 | 99  | 80  |
| 100% | 98%  | 92%  | 82%  | 70%  | 58%  | 46%  | 35%  | 27%  | 21% | 16% | 12% | 9%  | 7%  | 6%  | 5%  | 4%  | 3%  | 2%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4258 | 4183 | 3961 | 3571 | 3067 | 2509 | 1976 | 1517 | 1155 | 877 | 667 | 509 | 390 | 303 | 239 | 189 | 151 | 120 | 97  | 79  |
| 100% | 98%  | 93%  | 84%  | 72%  | 59%  | 46%  | 36%  | 27%  | 21% | 16% | 12% | 9%  | 7%  | 6%  | 4%  | 4%  | 3%  | 2%  | 2%  |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 22.6°          | 46.8°           | 70.5°              | 99.5%                   | 97.8%                  |