

## Photometric / Colorimetric / Electric Report

Fixture Model:

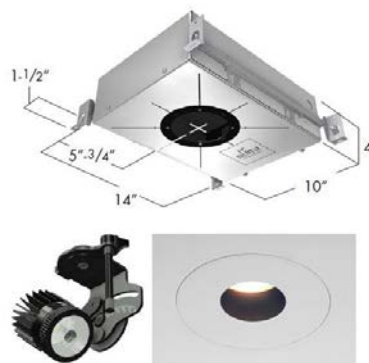
804S-J2S-TW-25-3500K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 95.3

Color temperature:

3573 K

CIE 1931:

x: 0.398  
y: 0.379

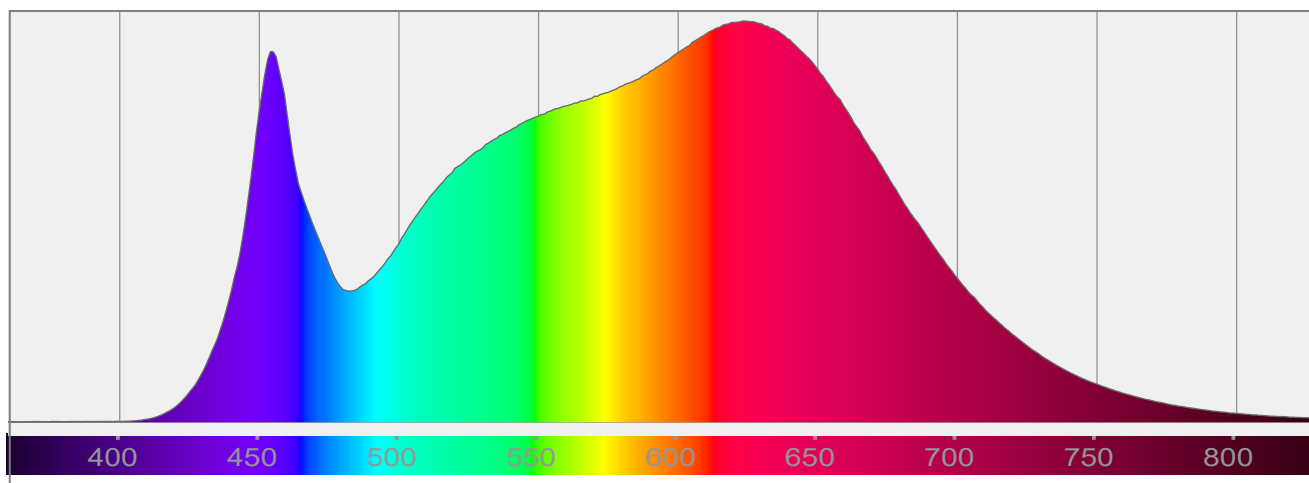
Output: 700 lm

Peak: 2619 cd

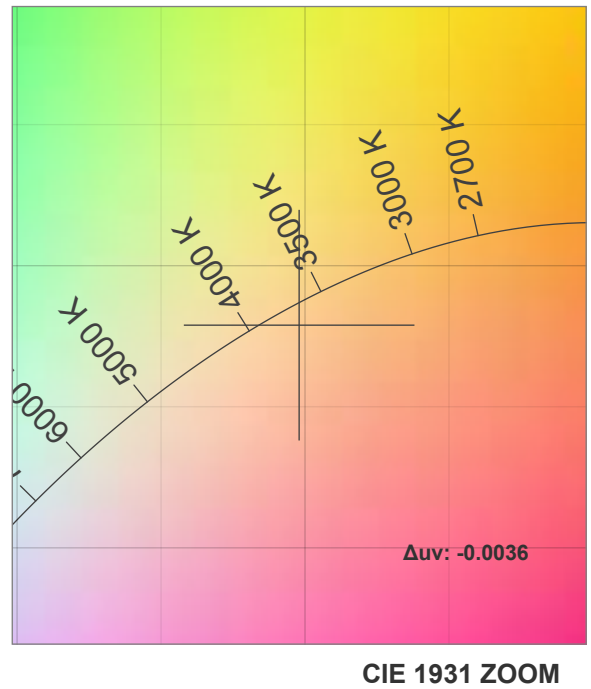
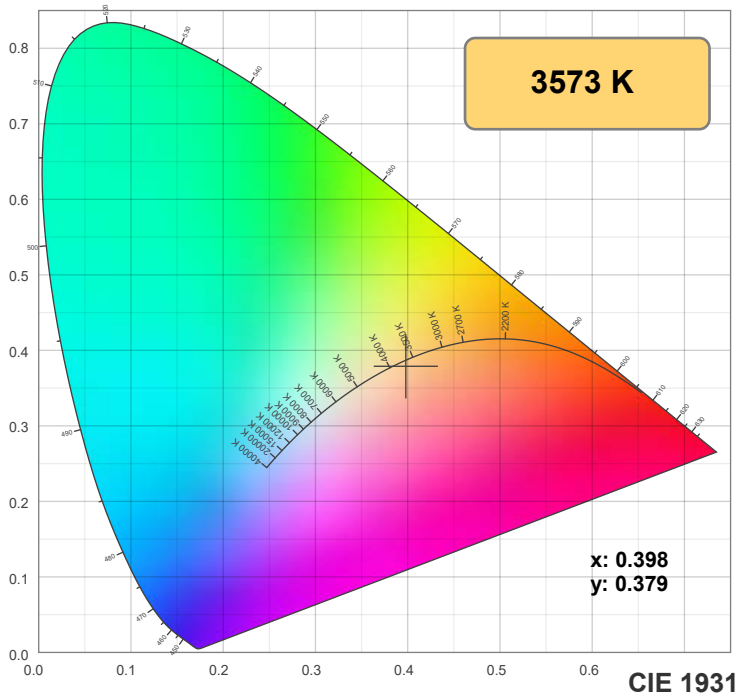
Power: 14.4 W

PF: 0.99

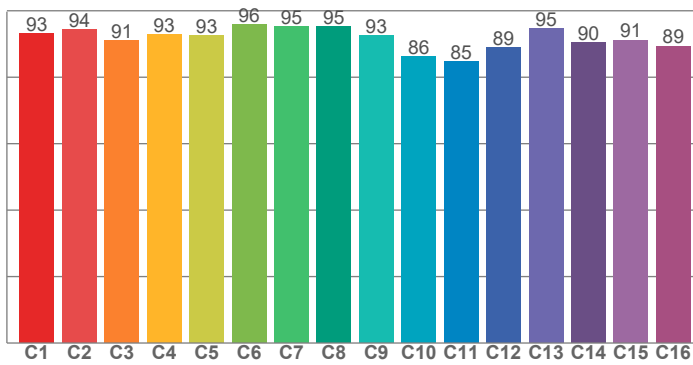
Spectra:



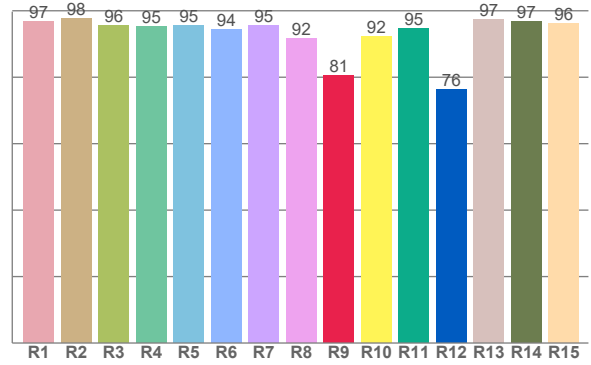
## Color Details



**TM-30: 91.6**



**CRI: 95.3 (R1-R8)**



**CRI R Values:**

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96.8 | 97.7 | 95.5 | 95.3 | 95.5 | 94.4 | 95.5 | 91.7 | 80.5 | 92.2 | 94.5 | 76.2 | 97.5 | 96.8 | 96.2 |

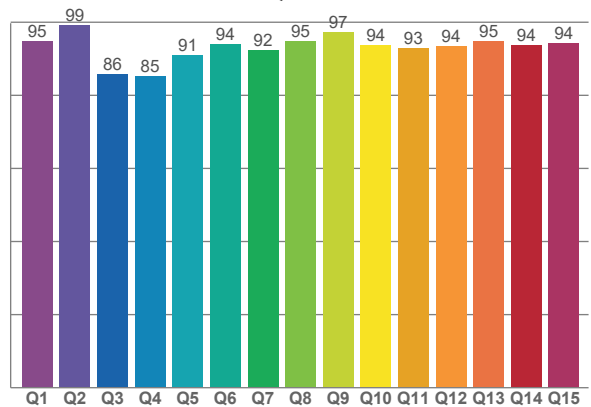
**TM30 C Values:**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93.1 | 94.4 | 91.1 | 92.7 | 92.6 | 95.7 | 95.1 | 95.4 | 92.6 | 86.1 | 84.7 | 88.9 | 94.6 | 90.4 | 91.2 | 89.4 |

**CQS Q values:**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.7 | 99.2 | 85.8 | 85.3 | 90.9 | 93.9 | 92.4 | 94.8 | 97.3 | 93.7 | 92.8 | 93.5 | 94.8 | 93.8 | 94.2 |

**CQS: 92.3**



**Color Parameters:**

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x     | y     | u     | v     | Δuv     |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 3573 K | 95.3 | 80.5   | 91.6    | 100.5   | 92.3 | 0.398 | 0.379 | 0.236 | 0.337 | -0.0036 |

# TM-30 Details

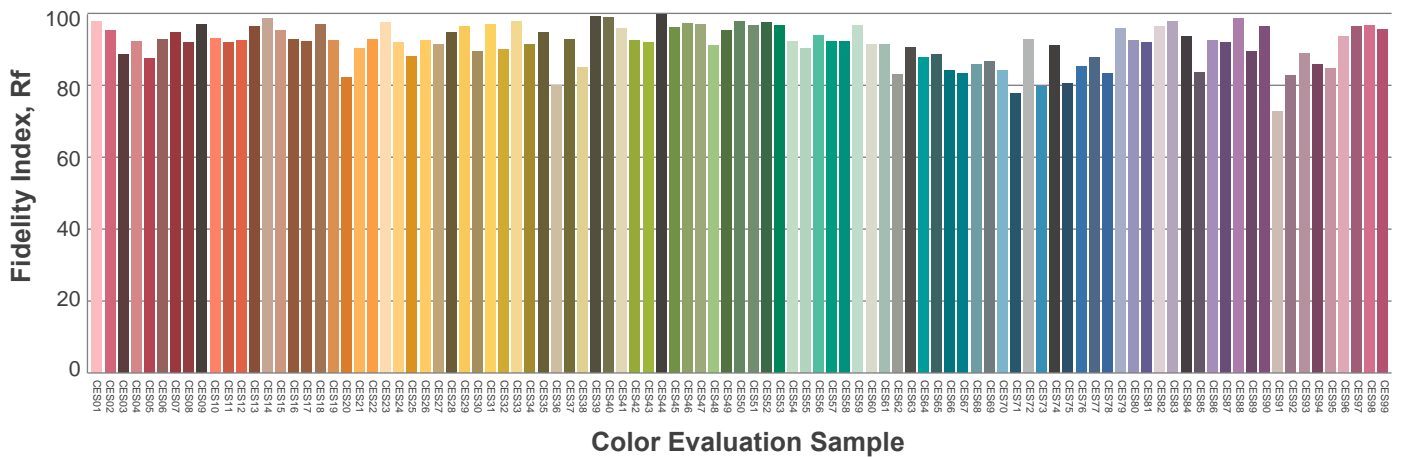
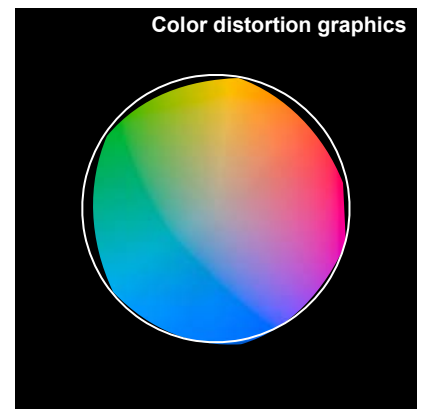
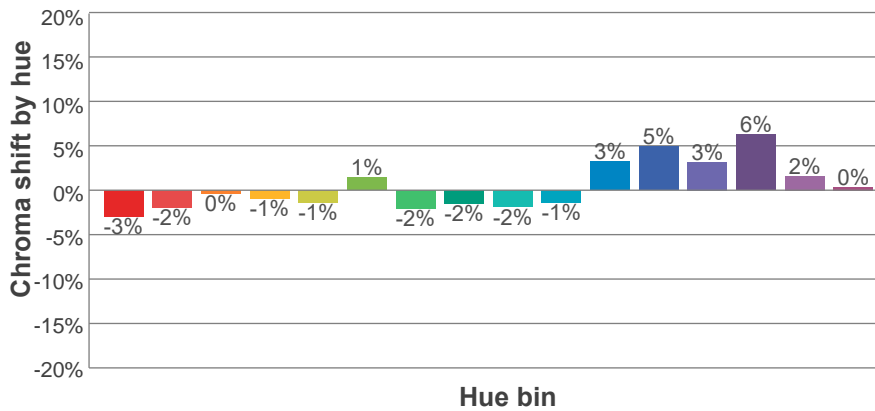
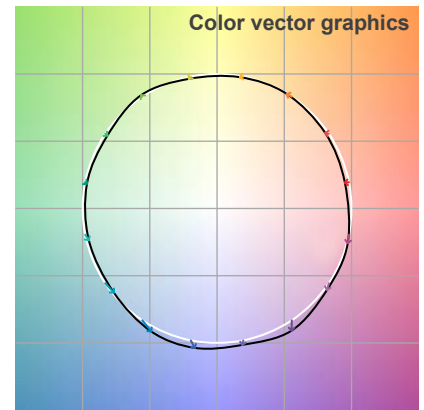
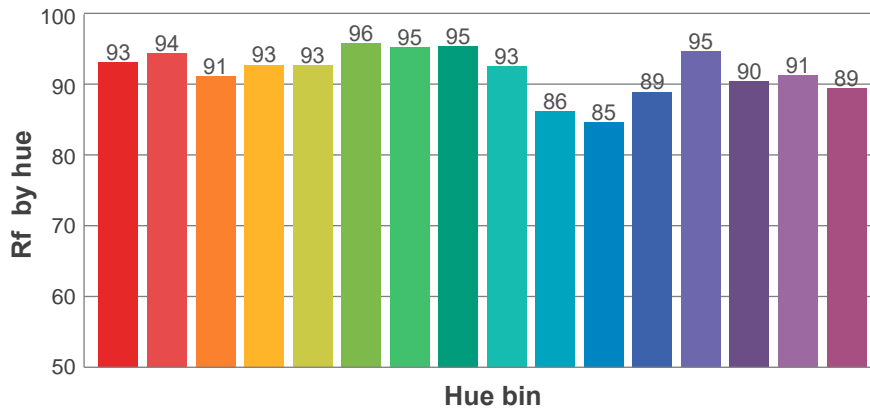
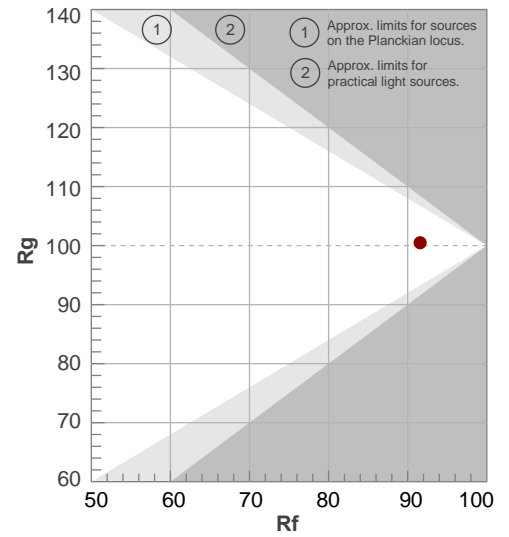
**Rf 91.6**

Fidelity index Rf

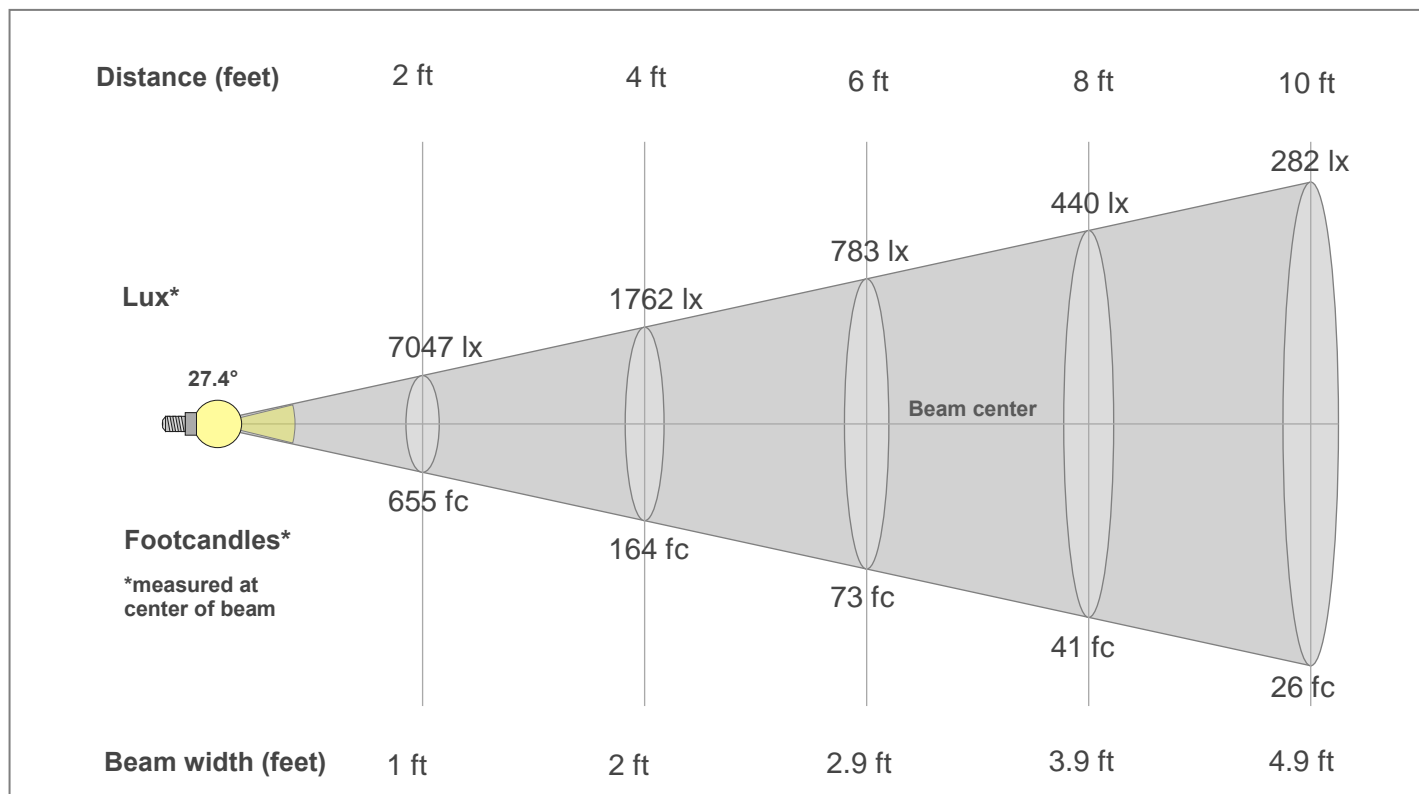
**Rg 100.5**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 93             | -3%        | 0%  |
| 2       | 94             | -2%        | 2%  |
| 3       | 91             | 0%         | 4%  |
| 4       | 93             | -1%        | 2%  |
| 5       | 93             | -1%        | 2%  |
| 6       | 96             | 1%         | 0%  |
| 7       | 95             | -2%        | 0%  |
| 8       | 95             | -2%        | 1%  |
| 9       | 93             | -2%        | 5%  |
| 10      | 86             | -1%        | 9%  |
| 11      | 85             | 3%         | 10% |
| 12      | 89             | 5%         | 4%  |
| 13      | 95             | 3%         | -1% |
| 14      | 90             | 6%         | -4% |
| 15      | 91             | 2%         | -5% |
| 16      | 89             | 0%         | -6% |



## 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 |
| 2619lx  | 655lx  | 291lx | 164lx  | 105lx  | 73lx   | 53lx | 41lx   | 32lx   | 26lx   | 22lx   | 18lx   | 15lx   | 13lx   | 12lx   | 10lx   | 9lx    | 8lx    | 7lx    | 7lx    |
| 243.3fc | 60.8fc | 27fc  | 15.2fc | 9.7fc  | 6.8fc  | 5fc  | 3.8fc  | 3fc    | 2.4fc  | 2fc    | 1.7fc  | 1.4fc  | 1.2fc  | 1.1fc  | 1fc    | 0.8fc  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2619 | 2581 | 2468 | 2290 | 2062 | 1808 | 1536 | 1272 | 1032 | 822 | 643 | 492 | 361 | 256 | 173 | 111 | 69  | 42  | 26  | 17  |
| 100% | 99%  | 94%  | 87%  | 79%  | 69%  | 59%  | 49%  | 39%  | 31% | 25% | 19% | 14% | 10% | 7%  | 4%  | 3%  | 2%  | 1%  | 1%  |

### 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2619 | 2581 | 2468 | 2290 | 2062 | 1808 | 1536 | 1272 | 1032 | 822 | 643 | 492 | 361 | 256 | 173 | 111 | 69  | 42  | 26  | 17  |
| 100% | 99%  | 94%  | 87%  | 79%  | 69%  | 59%  | 49%  | 39%  | 31% | 25% | 19% | 14% | 10% | 7%  | 4%  | 3%  | 2%  | 1%  | 1%  |

### 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2619 | 2581 | 2468 | 2290 | 2062 | 1808 | 1536 | 1272 | 1032 | 822 | 643 | 492 | 361 | 256 | 173 | 111 | 69  | 42  | 26  | 17  |
| 100% | 99%  | 94%  | 87%  | 79%  | 69%  | 59%  | 49%  | 39%  | 31% | 25% | 19% | 14% | 10% | 7%  | 4%  | 3%  | 2%  | 1%  | 1%  |

### 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2619 | 2581 | 2468 | 2290 | 2062 | 1808 | 1536 | 1272 | 1032 | 822 | 643 | 492 | 361 | 256 | 173 | 111 | 69  | 42  | 26  | 17  |
| 100% | 99%  | 94%  | 87%  | 79%  | 69%  | 59%  | 49%  | 39%  | 31% | 25% | 19% | 14% | 10% | 7%  | 4%  | 3%  | 2%  | 1%  | 1%  |

| Beam angle 50% | Field angle 10% | Cut-off angle 2.5% | Intensity ratio in 120° | Intensity ratio in 90° |
|----------------|-----------------|--------------------|-------------------------|------------------------|
| 27.4°          | 51.7°           | 64.5°              | 99.8%                   | 99.6%                  |