

# FL200-RGBW40K-OM-55-ELV (GR)

## PRODUCT PHOTOMETRIC REPORT



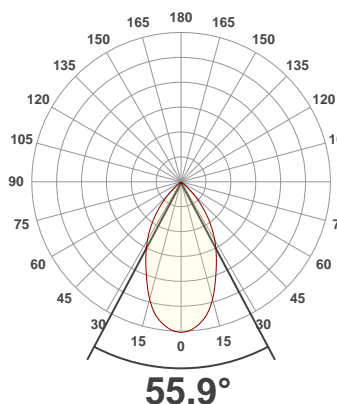
### PRODUCT INFORMATION

SERIAL NUMBER: LL-20191015-879

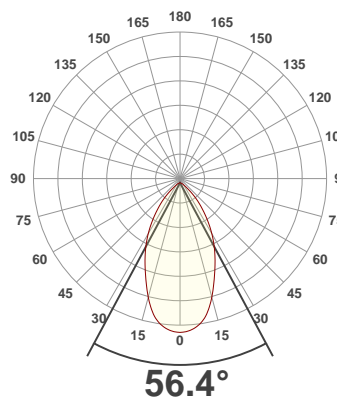
DATE OF MEASUREMENT: 2019-10-15

SIZE (dia. x h): 430 mm x 85 mm

### ANGULAR DISTRIBUTION AT C0/180



### ANGULAR DISTRIBUTION AT C90/270



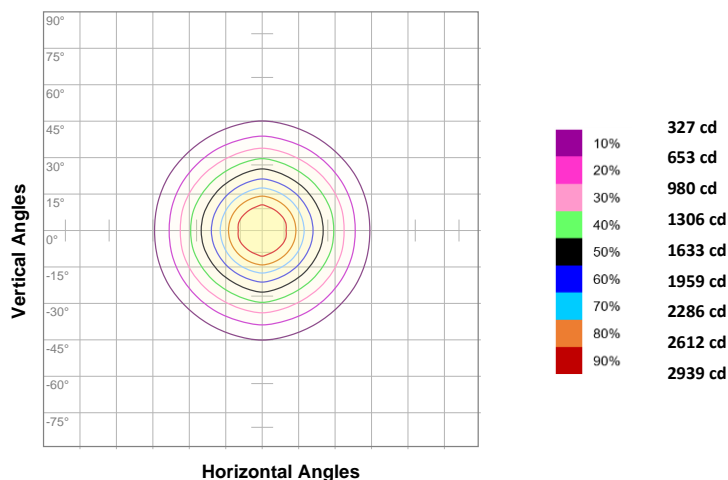
### LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 3245 lm  
EFFICACY: 59 lm/W  
PEAK INTENSITY: 3268 cd  
COLOR RENDERING INDEX (CRI): 0.0  
COLOR TEMPERATURE (CCT): 0K  
FIDELITY INDEX (TM30Rf): 0.0  
GAMUT INDEX (TM30Rg): 0.0

### BEAM OUTPUT DATA

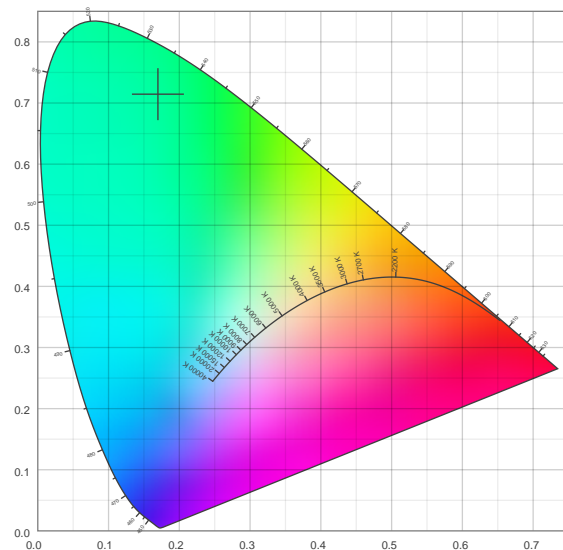
BEAM ANGLE (FWHM) | C0/180: 55.9°  
BEAM ANGLE (FWHM) | C90/270: 56.4°  
FIELD ANGLE (10%) | C0/180: 98.5°  
FIELD ANGLE (10%) | C90/270: 100.2°  
NUMBER OF PLANES MEASURED: 12

### ISOCANDELA DIAGRAM

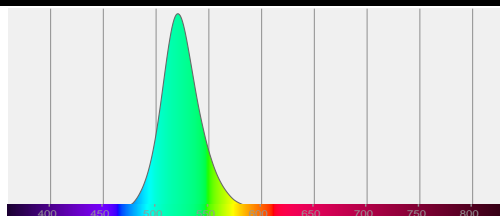


INPUT POWER: 55.1 W  
POWER FACTOR: 1.0  
OPTICAL POWER: 6.74 mW  
PEAK WAVELENGTH: 521 nm  
DOMINANT WAVELENGTH: 527 nm

### CIE 1931



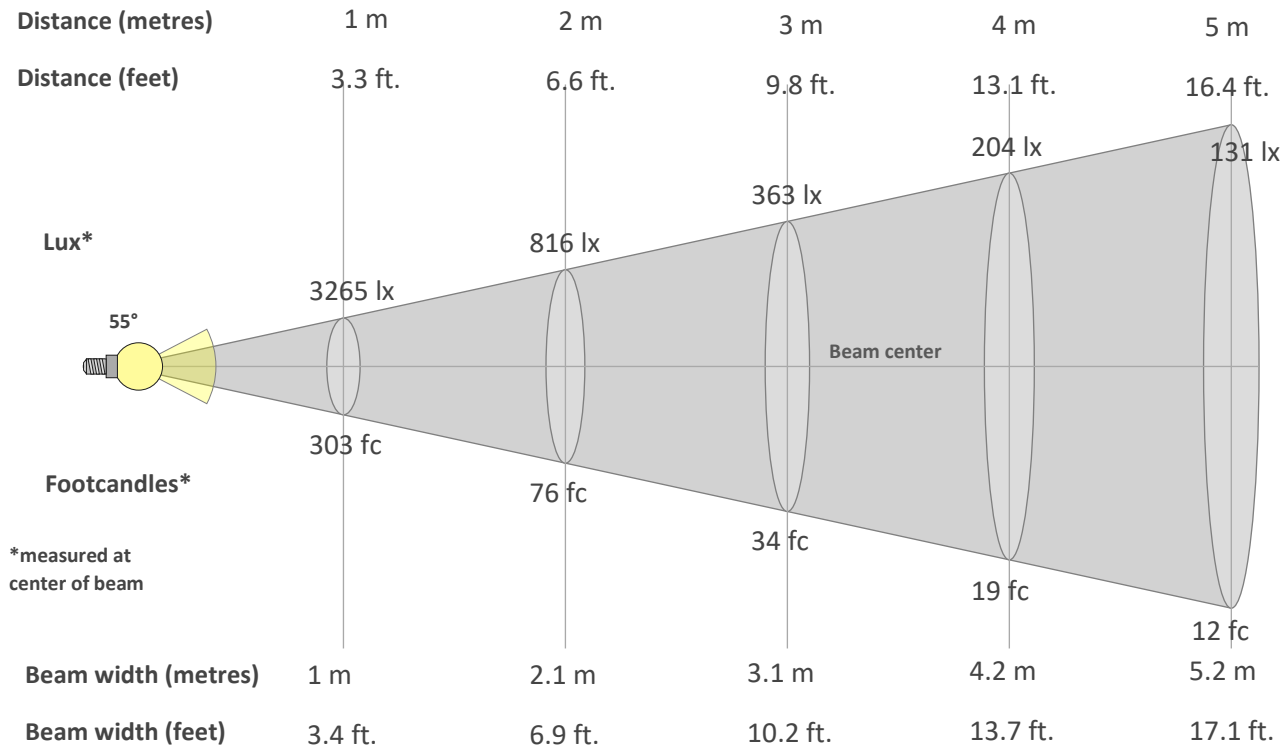
### SPECTRAL DISTRIBUTION



### CIE 1931 ZOOM

x: 0.170  
y: 0.714  
u: 0.060  
v: 0.382  
 $\Delta uv$ : n/a

**BEAM DETAILS**



**Beam intensity 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 |
| 3265lx  | 816lx  | 363lx  | 204lx  | 131lx  | 91lx   | 67lx  | 51lx   | 40lx   | 33lx   | 27lx   | 23lx   | 19lx   | 17lx   | 15lx   | 13lx   | 11lx   | 10lx   | 9lx    | 8lx    |
| 303.3fc | 75.8fc | 33.7fc | 19fc   | 12.1fc | 8.4fc  | 6.2fc | 4.7fc  | 3.7fc  | 3fc    | 2.5fc  | 2.1fc  | 1.8fc  | 1.5fc  | 1.3fc  | 1.2fc  | 1fc    | 0.9fc  | 0.8fc  | 0.8fc  |

**Intensity in 0° c-plane**

| 0°   | 2°   | 4°   | 6°   | 8°   | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26°  | 28°  | 30°  | 32°  | 34°  | 36°  | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 3265 | 3244 | 3209 | 3152 | 3078 | 2984 | 2867 | 2725 | 2563 | 2388 | 2217 | 2056 | 1906 | 1763 | 1625 | 1491 | 1355 | 1217 | 1079 | 942 |
| 100% | 99%  | 98%  | 97%  | 94%  | 91%  | 88%  | 83%  | 78%  | 73%  | 68%  | 63%  | 58%  | 54%  | 50%  | 46%  | 41%  | 37%  | 33%  | 29% |

**Intensity in 90° c-plane**

| 0°   | 2°   | 4°   | 6°   | 8°   | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26°  | 28°  | 30°  | 32°  | 34°  | 36°  | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 3265 | 3254 | 3230 | 3186 | 3119 | 3027 | 2907 | 2757 | 2589 | 2412 | 2241 | 2080 | 1929 | 1785 | 1645 | 1506 | 1366 | 1227 | 1088 | 955 |
| 100% | 100% | 99%  | 98%  | 96%  | 93%  | 89%  | 84%  | 79%  | 74%  | 69%  | 64%  | 59%  | 55%  | 50%  | 46%  | 42%  | 38%  | 33%  | 29% |

**Intensity in 180° c-plane**

| 0°   | 2°   | 4°   | 6°   | 8°   | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26°  | 28°  | 30°  | 32°  | 34°  | 36°  | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 3265 | 3244 | 3209 | 3152 | 3078 | 2984 | 2867 | 2725 | 2563 | 2388 | 2217 | 2056 | 1906 | 1763 | 1625 | 1491 | 1355 | 1217 | 1079 | 942 |
| 100% | 99%  | 98%  | 97%  | 94%  | 91%  | 88%  | 83%  | 78%  | 73%  | 68%  | 63%  | 58%  | 54%  | 50%  | 46%  | 41%  | 37%  | 33%  | 29% |

**Intensity in 270° c-plane**

| 0°   | 2°   | 4°   | 6°   | 8°   | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26°  | 28°  | 30°  | 32°  | 34°  | 36°  | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 3265 | 3254 | 3230 | 3186 | 3119 | 3027 | 2907 | 2757 | 2589 | 2412 | 2241 | 2080 | 1929 | 1785 | 1645 | 1506 | 1366 | 1227 | 1088 | 955 |
| 100% | 100% | 99%  | 98%  | 96%  | 93%  | 89%  | 84%  | 79%  | 74%  | 69%  | 64%  | 59%  | 55%  | 50%  | 46%  | 42%  | 38%  | 33%  | 29% |