

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

## PRODUCT PHOTOMETRIC REPORT



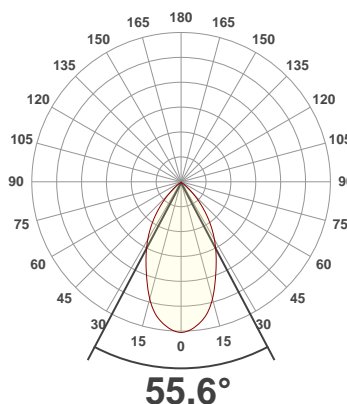
### PRODUCT INFORMATION

SERIAL NUMBER: LL-20191015-878

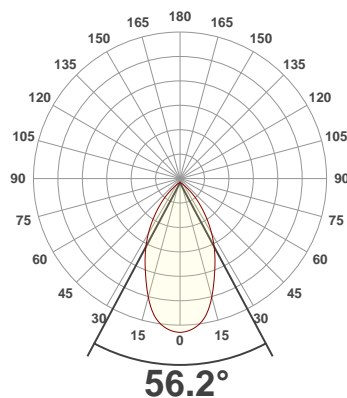
DATE OF MEASUREMENT: 2019-10-15

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

### ANGULAR DISTRIBUTION AT C0/180



### ANGULAR DISTRIBUTION AT C90/270



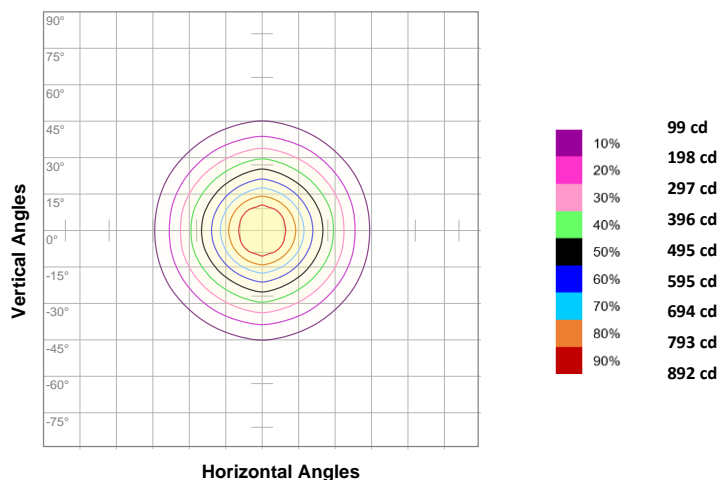
### LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 977 lm  
EFFICACY: 18 lm/W  
PEAK INTENSITY: 992 cd  
COLOR RENDERING INDEX (CRI): 0.0  
COLOR TEMPERATURE (CCT): 0K  
FIDELITY INDEX (TM30Rf): 0.0  
GAMUT INDEX (TM30Rg): 0.0

### BEAM OUTPUT DATA

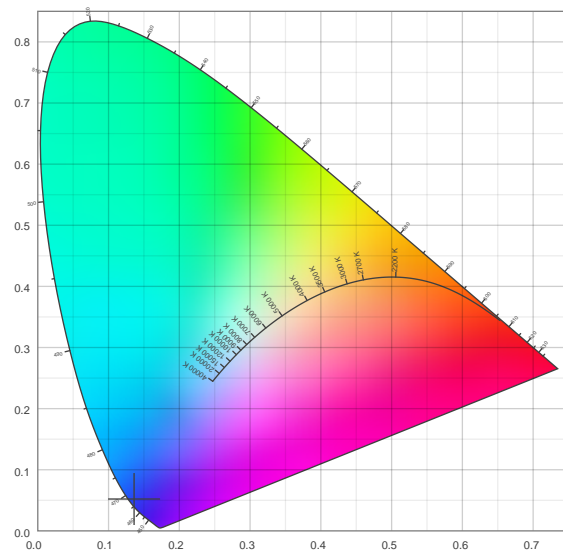
BEAM ANGLE (FWHM) | C0/180: 55.6°  
BEAM ANGLE (FWHM) | C90/270: 56.2°  
FIELD ANGLE (10%) | C0/180: 98.4°  
FIELD ANGLE (10%) | C90/270: 100.2°  
NUMBER OF PLANES MEASURED: 12

### ISOCANDELA DIAGRAM

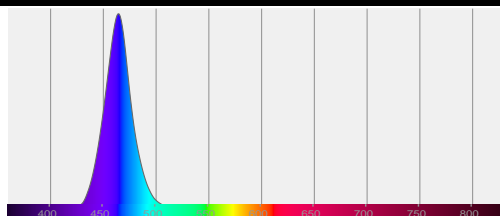


INPUT POWER: 54.4 W  
POWER FACTOR: 1.0  
OPTICAL POWER: 15.7 mW  
PEAK WAVELENGTH: 465 nm  
DOMINANT WAVELENGTH: 467 nm

### CIE 1931



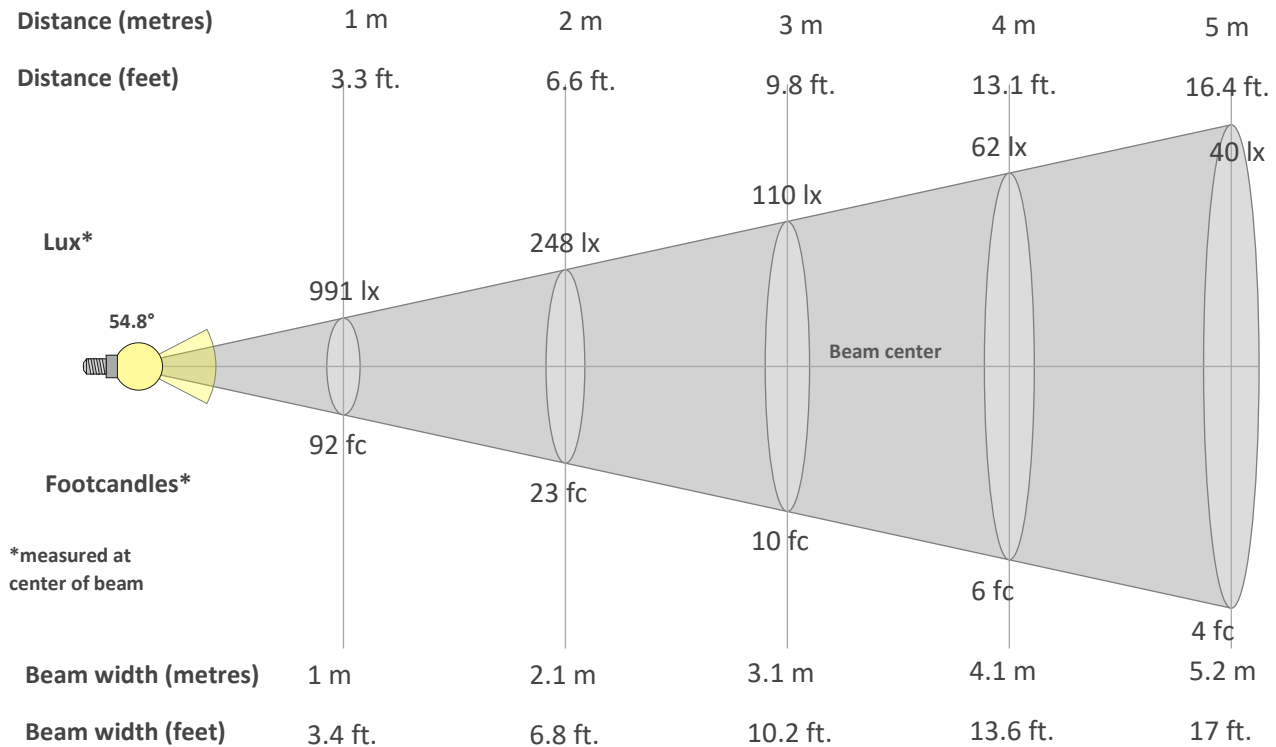
### SPECTRAL DISTRIBUTION



### CIE 1931 ZOOM

x: 0.136  
y: 0.052  
u: 0.162  
v: 0.093  
 $\Delta uv$ : 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 |
| 991lx  | 248lx | 110lx  | 62lx   | 40lx   | 28lx   | 20lx  | 15lx   | 12lx   | 10lx   | 8lx    | 7lx    | 6lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    | 3lx    | 2lx    |
| 92.1fc | 23fc  | 10.2fc | 5.8fc  | 3.7fc  | 2.6fc  | 1.9fc | 1.4fc  | 1.1fc  | 0.9fc  | 0.8fc  | 0.6fc  | 0.5fc  | 0.5fc  | 0.4fc  | 0.4fc  | 0.3fc  | 0.3fc  | 0.3fc  | 0.2fc  |

**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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 991  | 985 | 973 | 954 | 931 | 903 | 868 | 825 | 776 | 723 | 671 | 622 | 576 | 532 | 490 | 449 | 408 | 367 | 326 | 285 |
| 100% | 99% | 98% | 96% | 94% | 91% | 88% | 83% | 78% | 73% | 68% | 63% | 58% | 54% | 49% | 45% | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 991  | 987  | 979 | 965 | 945 | 917 | 881 | 836 | 785 | 731 | 679 | 630 | 584 | 541 | 497 | 455 | 413 | 371 | 329 | 289 |
| 100% | 100% | 99% | 97% | 95% | 93% | 89% | 84% | 79% | 74% | 69% | 64% | 59% | 55% | 50% | 46% | 42% | 37% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 991  | 985 | 973 | 954 | 931 | 903 | 868 | 825 | 776 | 723 | 671 | 622 | 576 | 532 | 490 | 449 | 408 | 367 | 326 | 285 |
| 100% | 99% | 98% | 96% | 94% | 91% | 88% | 83% | 78% | 73% | 68% | 63% | 58% | 54% | 49% | 45% | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 991  | 987  | 979 | 965 | 945 | 917 | 881 | 836 | 785 | 731 | 679 | 630 | 584 | 541 | 497 | 455 | 413 | 371 | 329 | 289 |
| 100% | 100% | 99% | 97% | 95% | 93% | 89% | 84% | 79% | 74% | 69% | 64% | 59% | 55% | 50% | 46% | 42% | 37% | 33% | 29% |