

# FL200-RGBW40K-OM-40-ELV (ALL ON)

## PRODUCT PHOTOMETRIC REPORT



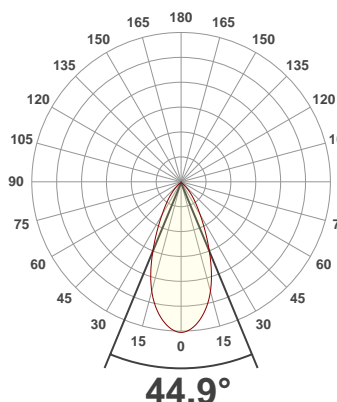
### PRODUCT INFORMATION

SERIAL NUMBER: LL-20191015-866

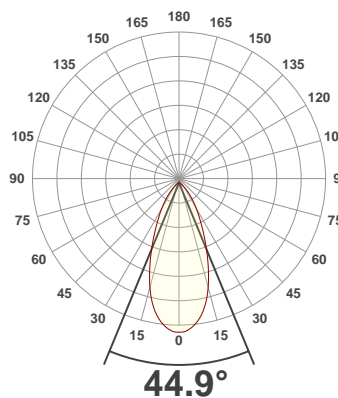
DATE OF MEASUREMENT: 2019-10-15

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

### ANGULAR DISTRIBUTION AT C0/180



### ANGULAR DISTRIBUTION AT C90/270



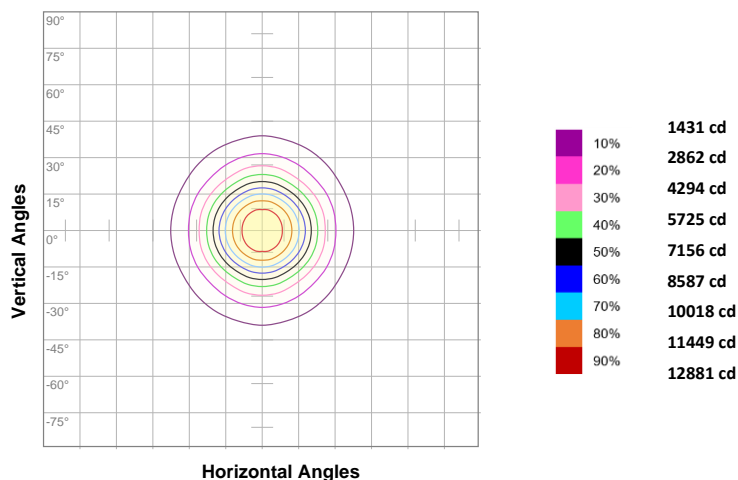
### LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 10055 lm  
 EFFICACY: 51 lm/W  
 PEAK INTENSITY: 14322 cd  
 COLOR RENDERING INDEX (CRI): 52.2  
 COLOR TEMPERATURE (CCT): 11745K  
 FIDELITY INDEX (TM30Rf): 67.4  
 GAMUT INDEX (TM30Rg): 107.3

### BEAM OUTPUT DATA

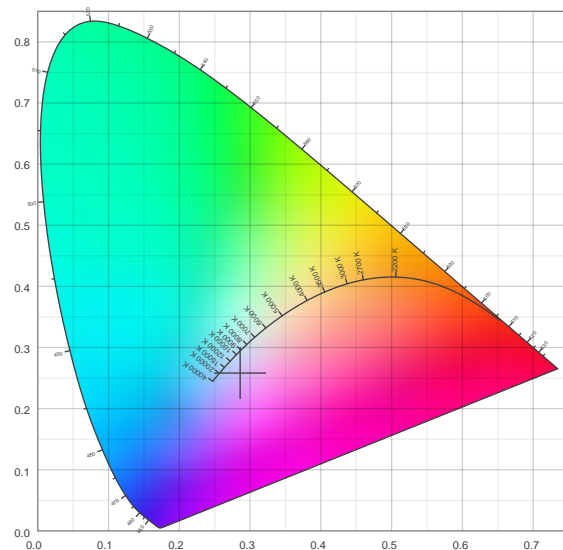
BEAM ANGLE (FWHM) | C0/180: 44.9°  
 BEAM ANGLE (FWHM) | C90/270: 44.9°  
 FIELD ANGLE (10%) | C0/180: 83.7°  
 FIELD ANGLE (10%) | C90/270: 86.7°  
 NUMBER OF PLANES MEASURED: 12

### ISOCANDELA DIAGRAM

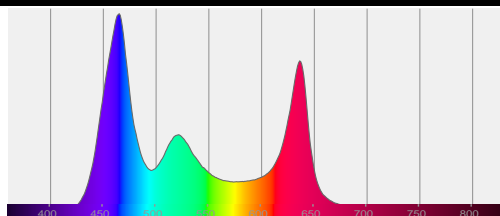


INPUT POWER: 197.5 W  
 POWER FACTOR: 1.0  
 OPTICAL POWER: 43.7 mW  
 PEAK WAVELENGTH: 465 nm  
 DOMINANT WAVELENGTH: 360 nm

### CIE 1931

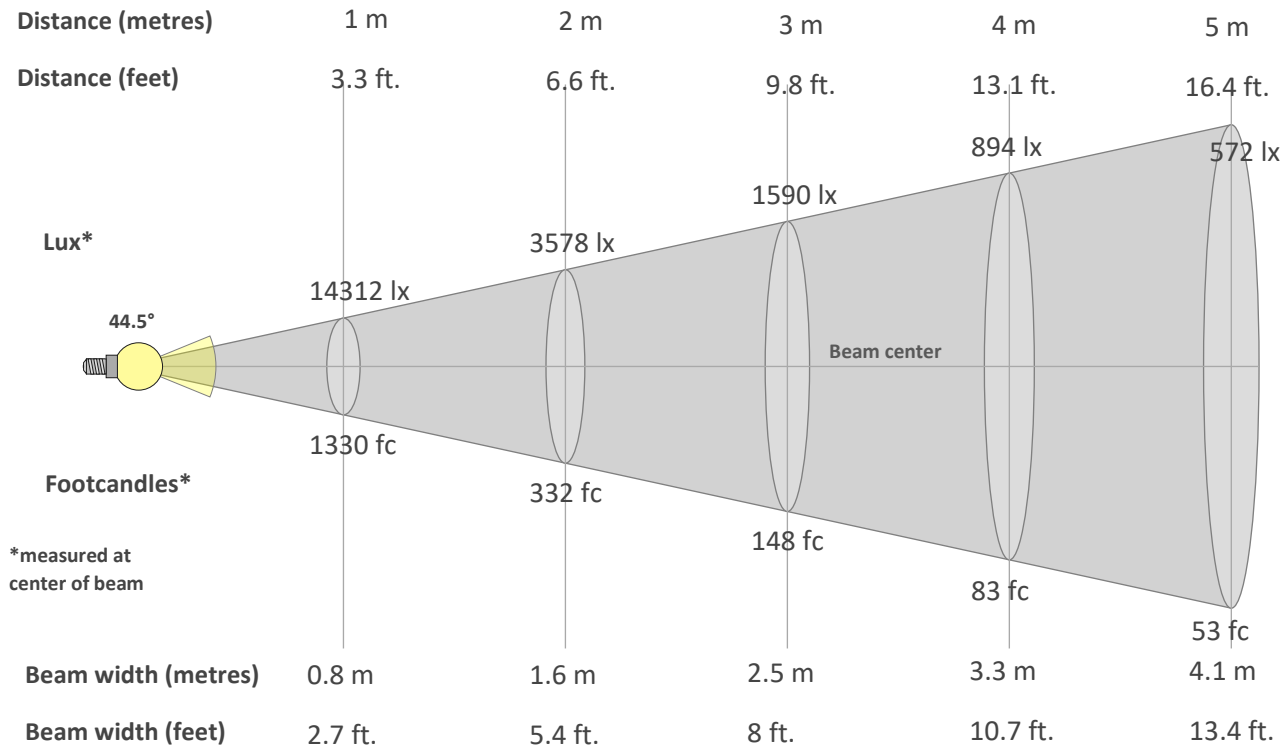


### SPECTRAL DISTRIBUTION



### CIE 1931 ZOOM

x: 0.286  
 y: 0.258  
 u: 0.207  
 v: 0.280  
 Δuv: -0.0236

**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
14312lx	3578lx	1590lx	894lx	572lx	398lx	292lx	224lx	177lx	143lx	118lx	99lx	85lx	73lx	64lx	56lx	50lx	44lx	40lx	36lx
1329.6fc	332.4fc	147.7fc	83.1fc	53.2fc	36.9fc	27.1fc	20.8fc	16.4fc	13.3fc	11fc	9.2fc	7.9fc	6.8fc	5.9fc	5.2fc	4.6fc	4.1fc	3.7fc	3.3fc

**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°
14.3K	14.2K	14.0K	13.6K	13.2K	12.6K	12.0K	11.3K	10.4K	9.5K	8.4K	7.4K	6.4K	5.5K	4.6K	3.9K	3.3K	2.8K	2.4K	2.0K
100%	99%	98%	95%	92%	88%	84%	79%	73%	66%	59%	52%	45%	38%	32%	27%	23%	20%	17%	14%

**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°
14.3K	14.2K	14.0K	13.7K	13.3K	12.8K	12.1K	11.3K	10.4K	9.4K	8.3K	7.3K	6.4K	5.6K	4.8K	4.2K	3.6K	3.1K	2.7K	2.3K
100%	99%	98%	96%	93%	89%	84%	79%	72%	65%	58%	51%	45%	39%	34%	29%	25%	22%	19%	16%

**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°
14.3K	14.2K	14.0K	13.6K	13.2K	12.6K	12.0K	11.3K	10.4K	9.5K	8.4K	7.4K	6.4K	5.5K	4.6K	3.9K	3.3K	2.8K	2.4K	2.0K
100%	99%	98%	95%	92%	88%	84%	79%	73%	66%	59%	52%	45%	38%	32%	27%	23%	20%	17%	14%

**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°
14.3K	14.2K	14.0K	13.7K	13.3K	12.8K	12.1K	11.3K	10.4K	9.4K	8.3K	7.3K	6.4K	5.6K	4.8K	4.2K	3.6K	3.1K	2.7K	2.3K
100%	99%	98%	96%	93%	89%	84%	79%	72%	65%	58%	51%	45%	39%	34%	29%	25%	22%	19%	16%