

# FL200-RGBW40K-OM-60x30-ELV (ALL ON)

## PRODUCT PHOTOMETRIC REPORT



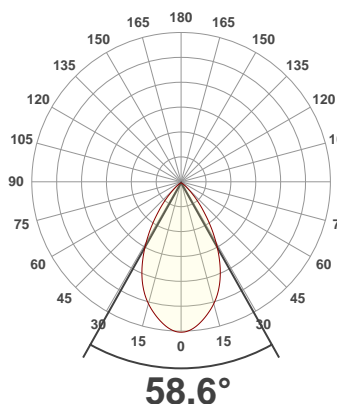
### PRODUCT INFORMATION

SERIAL NUMBER: LL-20190930-775

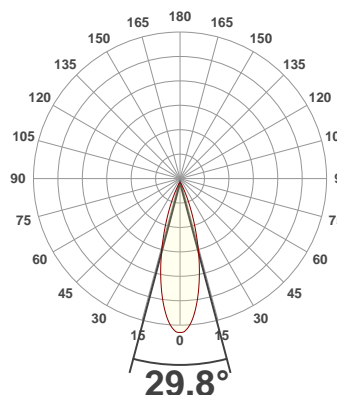
DATE OF MEASUREMENT: 2019-09-30

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

### ANGULAR DISTRIBUTION AT C0/180



### ANGULAR DISTRIBUTION AT C90/270



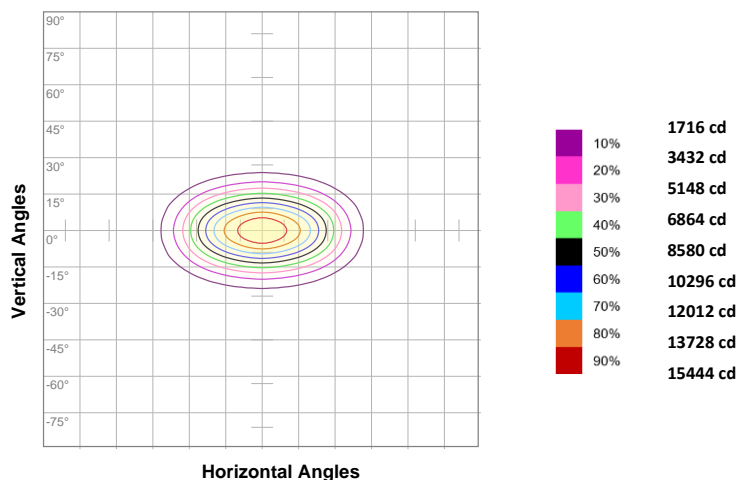
### LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 9474 lm  
EFFICACY: 48 lm/W  
PEAK INTENSITY: 17169 cd  
COLOR RENDERING INDEX (CRI): 56.0  
COLOR TEMPERATURE (CCT): 12374K  
FIDELITY INDEX (TM30Rf): 68.0  
GAMUT INDEX (TM30Rg): 105.2

### BEAM OUTPUT DATA

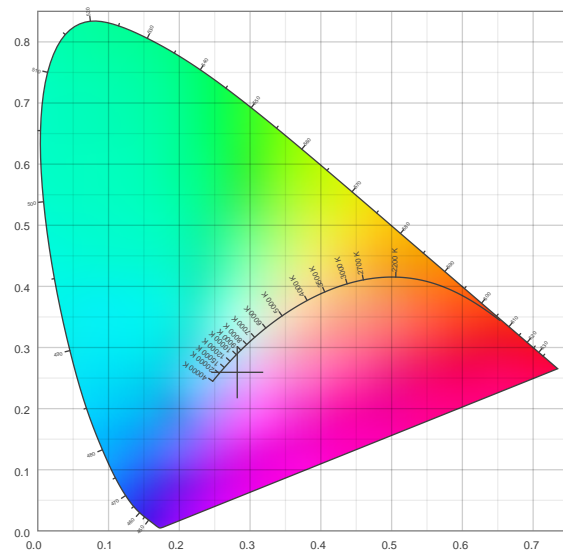
BEAM ANGLE (FWHM) | C0/180: 58.6°  
BEAM ANGLE (FWHM) | C90/270: 29.8°  
FIELD ANGLE (10%) | C0/180: 92.6°  
FIELD ANGLE (10%) | C90/270: 53.1°  
NUMBER OF PLANES MEASURED: 36

### ISOCANDELA DIAGRAM

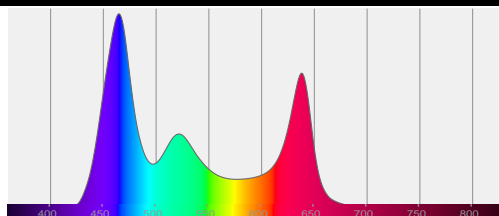


INPUT POWER: 198.1 W  
POWER FACTOR: 1.0  
OPTICAL POWER: 41.4 mW  
PEAK WAVELENGTH: 466 nm  
DOMINANT WAVELENGTH: 428 nm

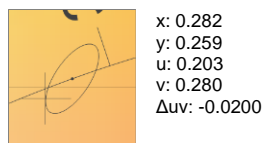
### CIE 1931



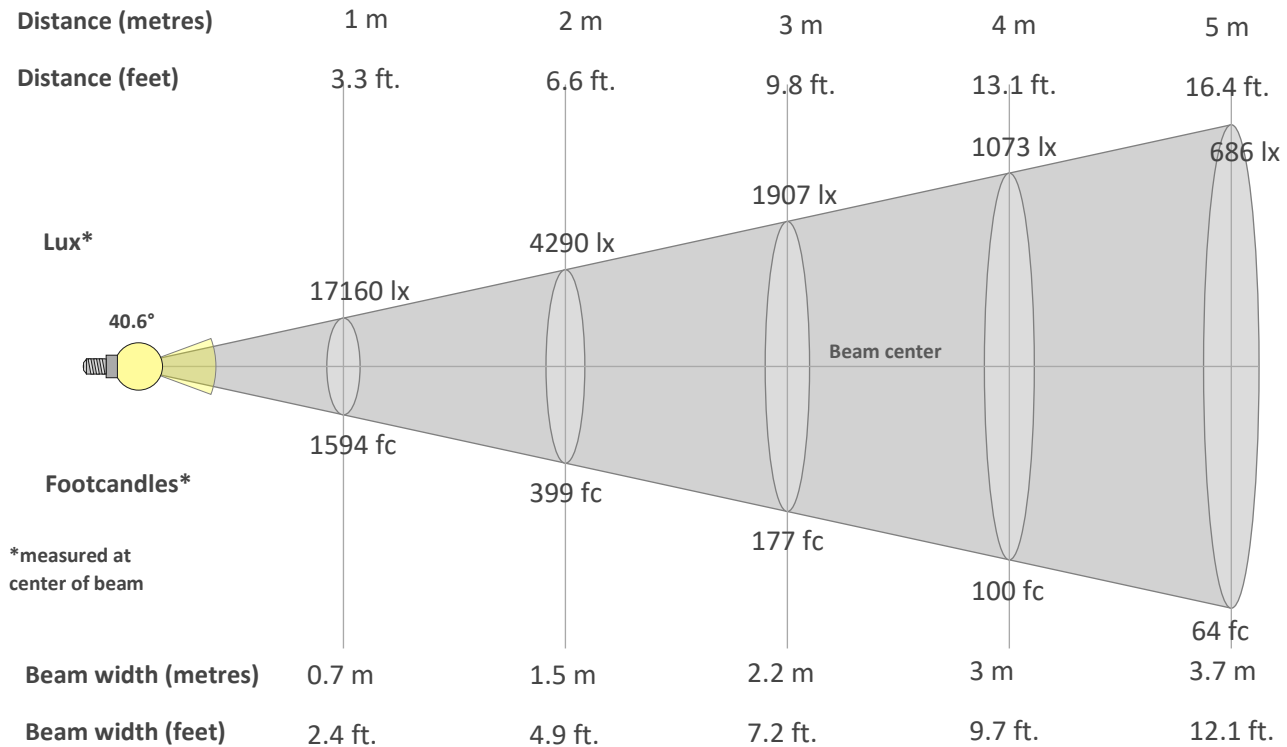
### SPECTRAL DISTRIBUTION



### CIE 1931 ZOOM



**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
17160lx	4290lx	1907lx	1073lx	686lx	477lx	350lx	268lx	212lx	172lx	142lx	119lx	102lx	88lx	76lx	67lx	59lx	53lx	48lx	43lx
1594.2fc	398.6fc	177.1fc	99.6fc	63.8fc	44.3fc	32.5fc	24.9fc	19.7fc	15.9fc	13.2fc	11.1fc	9.4fc	8.1fc	7.1fc	6.2fc	5.5fc	4.9fc	4.4fc	4fc

**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°
17.2K	17.1K	16.9K	16.6K	16.2K	15.7K	15.2K	14.7K	14.2K	13.5K	12.8K	12.0K	11.1K	10.2K	9.2K	8.2K	7.2K	6.2K	5.3K	4.4K
100%	100%	98%	97%	94%	92%	89%	86%	82%	79%	75%	70%	65%	59%	54%	48%	42%	36%	31%	26%

**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°
17.2K	16.9K	16.3K	15.3K	14.0K	12.5K	10.9K	9.3K	7.7K	6.1K	4.8K	3.6K	2.6K	1.9K	1.3K	1.0K	0.7K	0.6K	0.5K	0.4K
100%	99%	95%	89%	81%	73%	64%	54%	45%	36%	28%	21%	15%	11%	8%	6%	4%	3%	3%	2%

**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°
17.2K	17.1K	16.9K	16.6K	16.2K	15.7K	15.2K	14.7K	14.2K	13.5K	12.8K	12.0K	11.1K	10.2K	9.2K	8.2K	7.2K	6.2K	5.3K	4.4K
100%	100%	98%	97%	94%	92%	89%	86%	82%	79%	75%	70%	65%	59%	54%	48%	42%	36%	31%	26%

**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°
17.2K	16.9K	16.3K	15.3K	14.0K	12.5K	10.9K	9.3K	7.7K	6.1K	4.8K	3.6K	2.6K	1.9K	1.3K	1.0K	0.7K	0.6K	0.5K	0.4K
100%	99%	95%	89%	81%	73%	64%	54%	45%	36%	28%	21%	15%	11%	8%	6%	4%	3%	3%	2%