

FL200-RGBW40K-OM-80-ELV (ALL ON)

PRODUCT PHOTOMETRIC REPORT



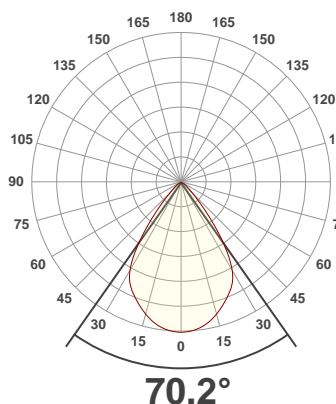
PRODUCT INFORMATION

SERIAL NUMBER: LL-20191015-872

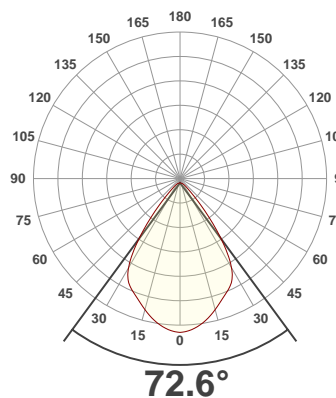
DATE OF MEASUREMENT: 2019-10-15

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

ANGULAR DISTRIBUTION AT C0/180



ANGULAR DISTRIBUTION AT C90/270



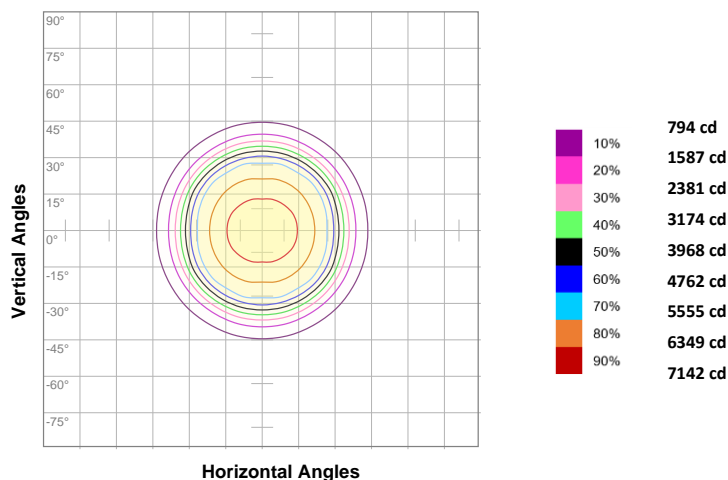
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 10174 lm
EFFICACY: 52 lm/W
PEAK INTENSITY: 7941 cd
COLOR RENDERING INDEX (CRI): 52.5
COLOR TEMPERATURE (CCT): 11585K
FIDELITY INDEX (TM30Rf): 67.6
GAMUT INDEX (TM30Rg): 107.3

BEAM OUTPUT DATA

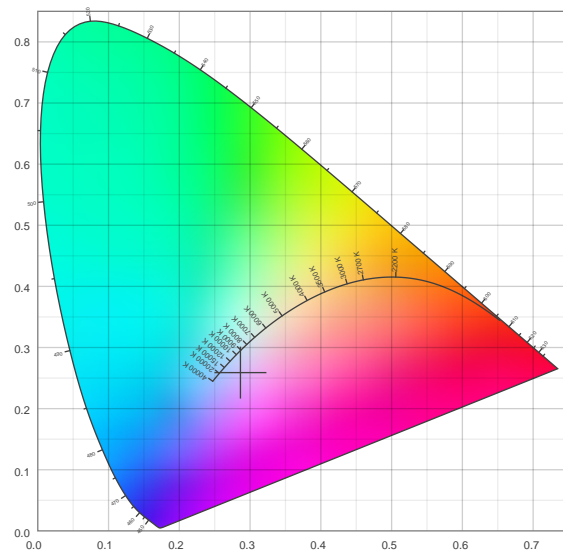
BEAM ANGLE (FWHM) | C0/180: 70.2°
BEAM ANGLE (FWHM) | C90/270: 72.6°
FIELD ANGLE (10%) | C0/180: 96.8°
FIELD ANGLE (10%) | C90/270: 99.2°
NUMBER OF PLANES MEASURED: 12

ISOCANDELA DIAGRAM

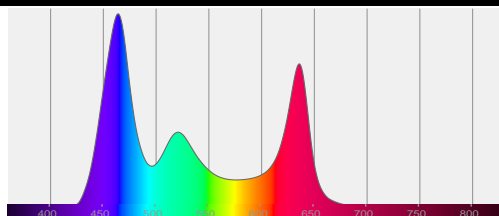


INPUT POWER: 197.5 W
POWER FACTOR: 1.0
OPTICAL POWER: 44.2 mW
PEAK WAVELENGTH: 465 nm
DOMINANT WAVELENGTH: 360 nm

CIE 1931

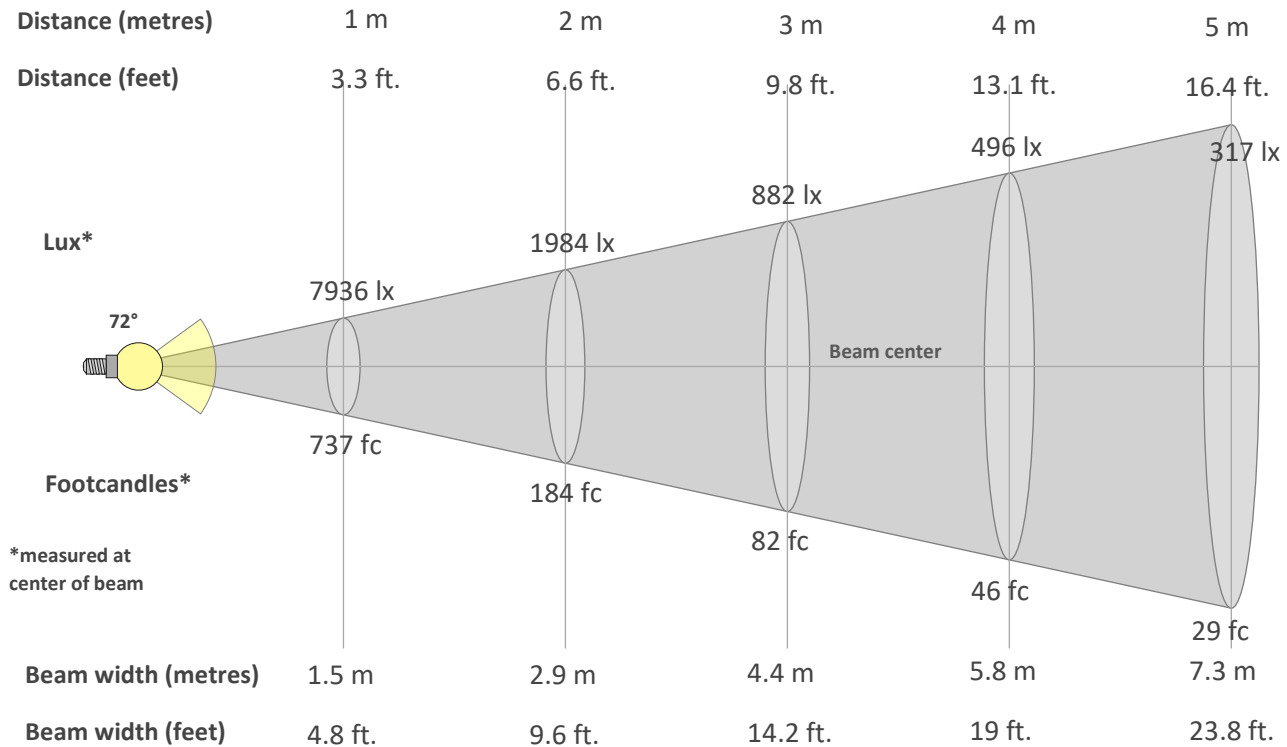


SPECTRAL DISTRIBUTION



CIE 1931 ZOOM

x: 0.286
y: 0.259
u: 0.207
v: 0.281
 $\Delta u v: -0.0234$

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
7936lx	1984lx	882lx	496lx	317lx	220lx	162lx	124lx	98lx	79lx	66lx	55lx	47lx	40lx	35lx	31lx	27lx	24lx	22lx	20lx
737.3fc	184.3fc	81.9fc	46.1fc	29.5fc	20.5fc	15fc	11.5fc	9.1fc	7.4fc	6.1fc	5.1fc	4.4fc	3.8fc	3.3fc	2.9fc	2.6fc	2.3fc	2fc	1.8fc

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°
7936	7917	7881	7821	7738	7624	7486	7326	7149	6960	6761	6561	6355	6132	5863	5475	4963	4344	3653	2944
100%	100%	99%	99%	98%	96%	94%	92%	90%	88%	85%	83%	80%	77%	74%	69%	63%	55%	46%	37%

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°
7936	7914	7853	7763	7644	7505	7348	7176	6993	6808	6632	6470	6318	6165	5969	5674	5259	4720	4072	3364
100%	100%	99%	98%	96%	95%	93%	90%	88%	86%	84%	82%	80%	78%	75%	71%	66%	59%	51%	42%

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°
7936	7917	7881	7821	7738	7624	7486	7326	7149	6960	6761	6561	6355	6132	5863	5475	4963	4344	3653	2944
100%	100%	99%	99%	98%	96%	94%	92%	90%	88%	85%	83%	80%	77%	74%	69%	63%	55%	46%	37%

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°
7936	7914	7853	7763	7644	7505	7348	7176	6993	6808	6632	6470	6318	6165	5969	5674	5259	4720	4072	3364
100%	100%	99%	98%	96%	95%	93%	90%	88%	86%	84%	82%	80%	78%	75%	71%	66%	59%	51%	42%