



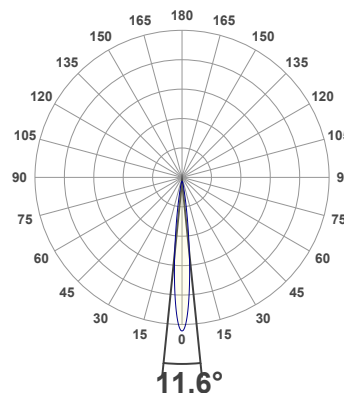
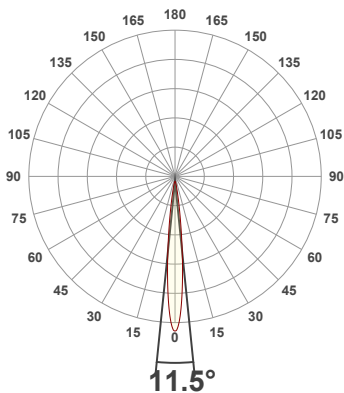
PRODUCT INFORMATION

SERIAL NUMBER: **LL-20190828-561-BMS**

DATE OF MEASUREMENT: **2019-08-28**

SIZE (dia. x h): **298 mm x 59.5 mm**

ANGULAR DISTRIBUTION AT C0/180 | ANGULAR DISTRIBUTION AT C90/270 | LIGHT OUTPUT DATA

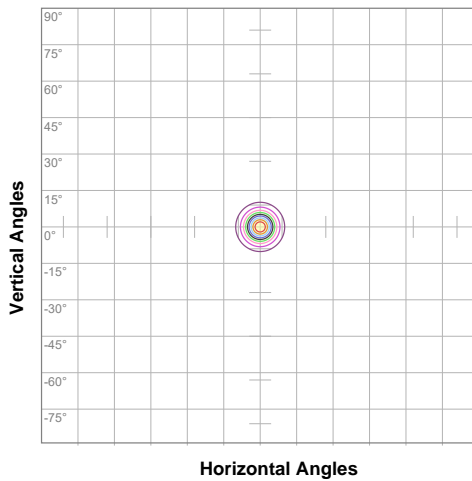


TOTAL LUMEN OUTPUT:	126 lm
EFFICACY:	7 lm/W
PEAK INTENSITY:	2087 cd
COLOR RENDERING INDEX (CRI):	N/A
COLOR TEMPERATURE (CCT):	N/A
FIDELITY INDEX (TM30Rf):	N/A
GAMUT INDEX (TM30Rg):	N/A

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	11.5°
BEAM ANGLE (FWHM) C90/270:	11.6°
FIELD ANGLE (10%) C0/180:	22.7°
FIELD ANGLE (10%) C90/270:	22.5°
NUMBER OF PLANES MEASURED:	12

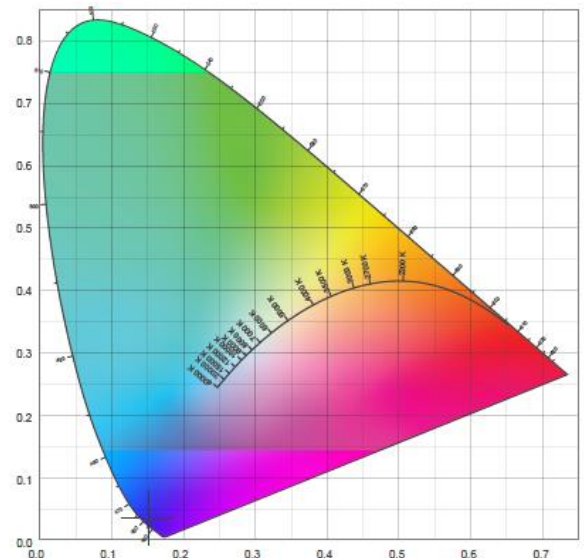
ISOCANDELA DIAGRAM



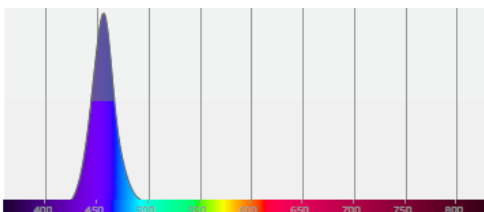
10%	209 cd
20%	417 cd
30%	626 cd
40%	834 cd
50%	1043 cd
60%	1251 cd
70%	1460 cd
80%	1668 cd
90%	1877 cd

INPUT POWER:	19.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	2.79 mW
PEAK WAVELENGTH:	456 nm
DOMINANT WAVELENGTH:	459 nm

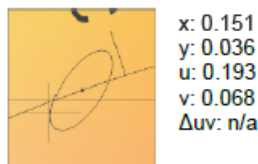
CIE 1931

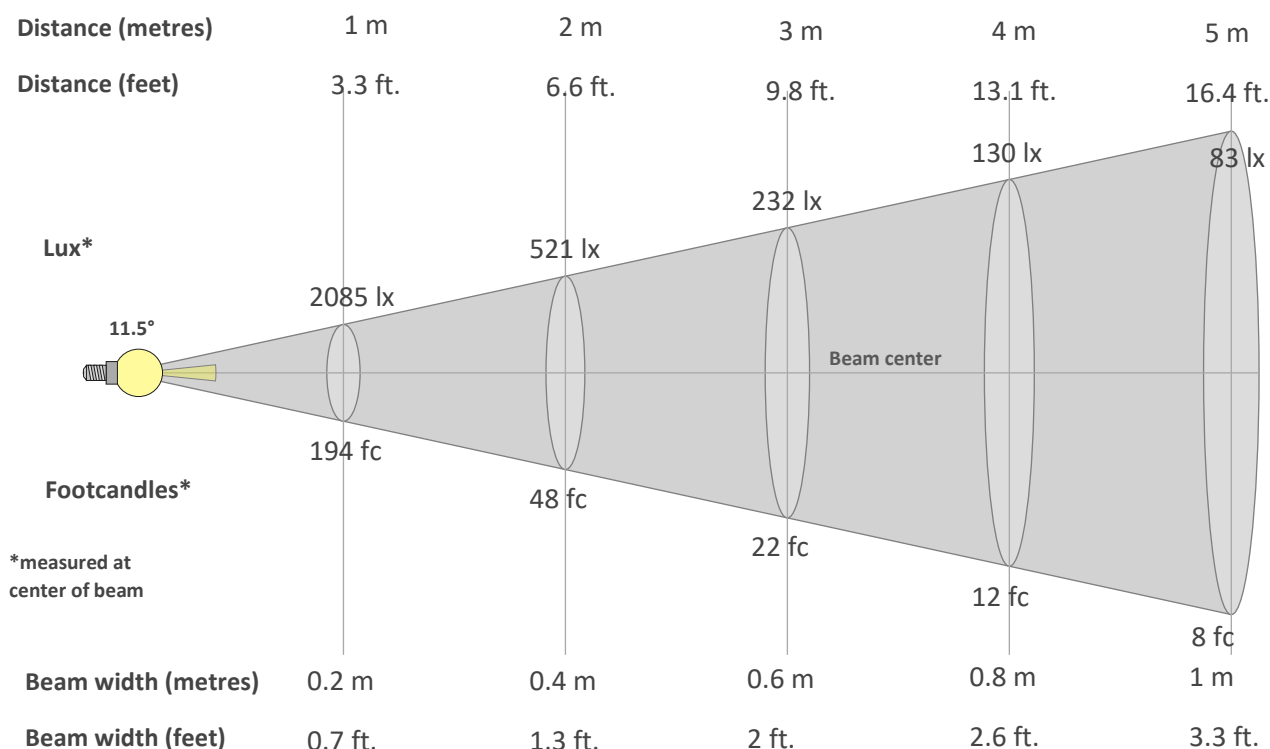


SPECTRAL DISTRIBUTION



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
2085lx	521lx	232lx	130lx	83lx	58lx	43lx	33lx	26lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
193.7fc	48.4fc	21.5fc	12.1fc	7.7fc	5.4fc	4fc	3fc	2.4fc	1.9fc	1.6fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc

Intensity in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2085	2041	1915	1722	1486	1233	984	760	572	423	311	229	174	134	107	88	74	64	57	50
100%	98%	92%	83%	71%	59%	47%	36%	27%	20%	15%	11%	8%	6%	5%	4%	4%	3%	3%	2%

Intensity in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2085	2043	1919	1730	1497	1244	994	767	576	424	308	225	169	130	104	86	73	64	56	49
100%	98%	92%	83%	72%	60%	48%	37%	28%	20%	15%	11%	8%	6%	5%	4%	3%	3%	3%	2%

Intensity in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2085	2041	1915	1722	1486	1233	984	760	572	423	311	229	174	134	107	88	74	64	57	50
100%	98%	92%	83%	71%	59%	47%	36%	27%	20%	15%	11%	8%	6%	5%	4%	4%	3%	3%	2%

Intensity in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2085	2043	1919	1730	1497	1244	994	767	576	424	308	225	169	130	104	86	73	64	56	49
100%	98%	92%	83%	72%	60%	48%	37%	28%	20%	15%	11%	8%	6%	5%	4%	3%	3%	3%	2%