



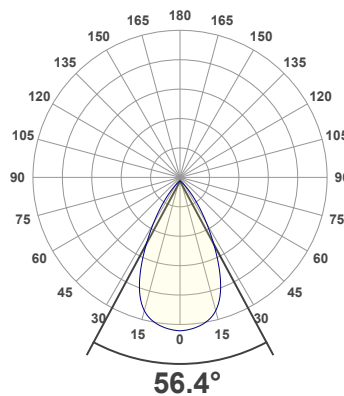
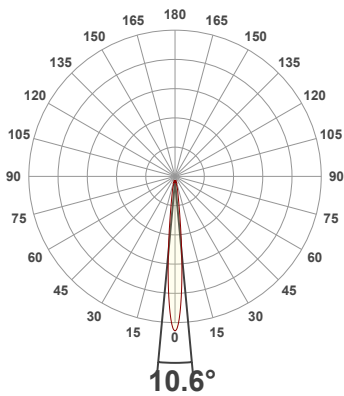
PRODUCT INFORMATION

SERIAL NUMBER: LL-20190827-550-BMS

DATE OF MEASUREMENT: 2019-08-27

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

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

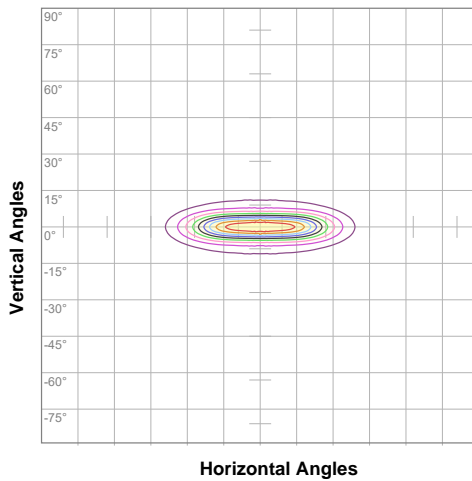


TOTAL LUMEN OUTPUT:	240 lm
EFFICACY:	20 lm/W
PEAK INTENSITY:	958 cd
COLOR RENDERING INDEX (CRI):	N/A
COLOR TEMPERATURE (CCT):	N/A
FIDELITY INDEX (TM30Rf):	N/A
GAMUT INDEX (TM30Rg):	N/A

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	10.6°
BEAM ANGLE (FWHM) C90/270:	56.4°
FIELD ANGLE (10%) C0/180:	24.7°
FIELD ANGLE (10%) C90/270:	86.7°
NUMBER OF PLANES MEASURED:	36

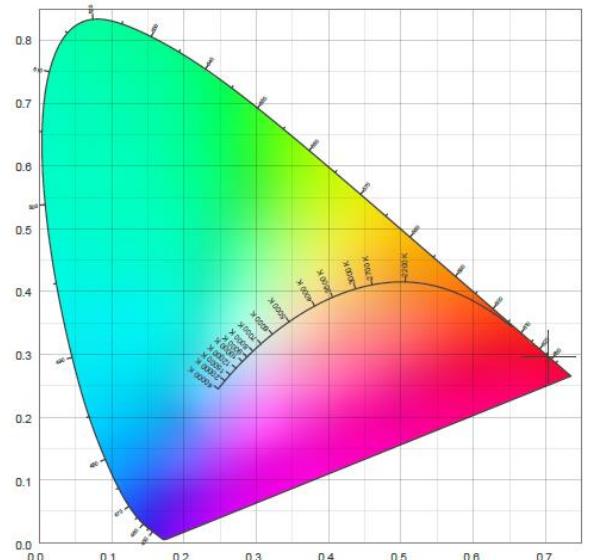
ISOCANDELA DIAGRAM



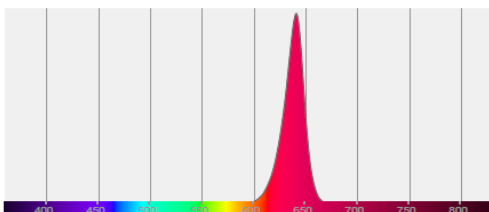
10%	96 cd
20%	191 cd
30%	287 cd
40%	383 cd
50%	478 cd
60%	574 cd
70%	670 cd
80%	766 cd
90%	861 cd

INPUT POWER:	12.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	1.62 mW
PEAK WAVELENGTH:	641 nm
DOMINANT WAVELENGTH:	627 nm

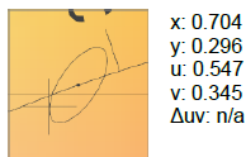
CIE 1931

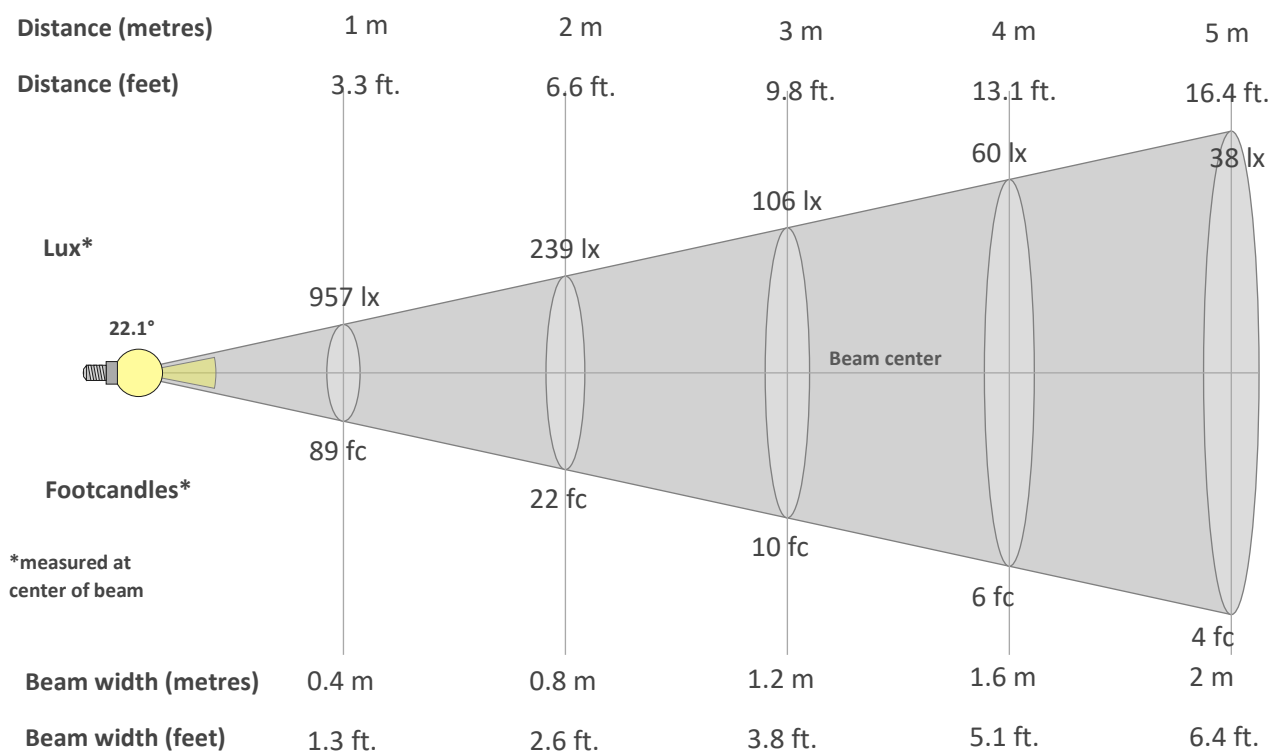


SPECTRAL DISTRIBUTION



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
957lx	239lx	106lx	60lx	38lx	27lx	20lx	15lx	12lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx
88.9fc	22.2fc	9.9fc	5.6fc	3.6fc	2.5fc	1.8fc	1.4fc	1.1fc	0.9fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc	0.3fc	0.3fc	0.3fc	0.2fc	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°
957	863	640	401	233	144	100	77	63	51	40	30	23	17	13	11	9	7	6	6
100%	90%	67%	42%	24%	15%	10%	8%	7%	5%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%

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°
957	955	950	944	934	922	907	886	856	818	770	710	639	564	487	414	347	288	235	188
100%	100%	99%	99%	98%	96%	95%	93%	90%	85%	80%	74%	67%	59%	51%	43%	36%	30%	25%	20%

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°
957	863	640	401	233	144	100	77	63	51	40	30	23	17	13	11	9	7	6	6
100%	90%	67%	42%	24%	15%	10%	8%	7%	5%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%

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°
957	955	950	944	934	922	907	886	856	818	770	710	639	564	487	414	347	288	235	188
100%	100%	99%	99%	98%	96%	95%	93%	90%	85%	80%	74%	67%	59%	51%	43%	36%	30%	25%	20%