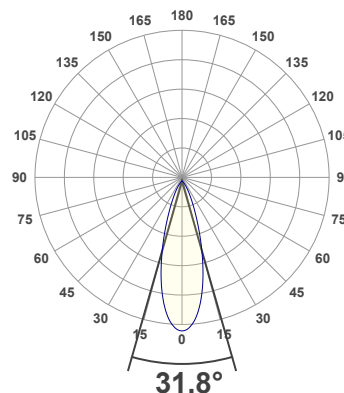
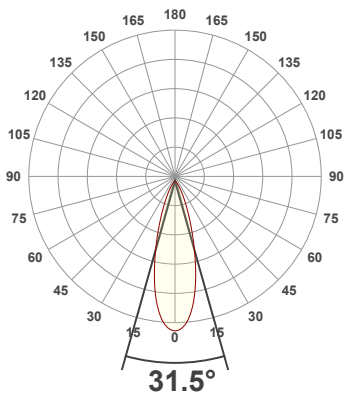




PRODUCT INFORMATION

SERIAL NUMBER:	LL-20190828-567-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

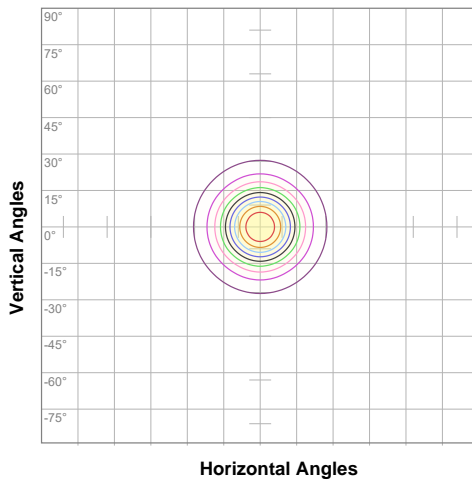


TOTAL LUMEN OUTPUT:	137 lm
EFFICACY:	7 lm/W
PEAK INTENSITY:	352 cd
COLOR RENDERING INDEX (CRI):	N/A
COLOR TEMPERATURE (CCT):	N/A
FIDELITY INDEX (TM30Rf):	N/A
GAMUT INDEX (TM30Rg):	N/A

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	31.5°
BEAM ANGLE (FWHM) C90/270:	31.8°
FIELD ANGLE (10%) C0/180:	60.9°
FIELD ANGLE (10%) C90/270:	61.1°
NUMBER OF PLANES MEASURED:	12

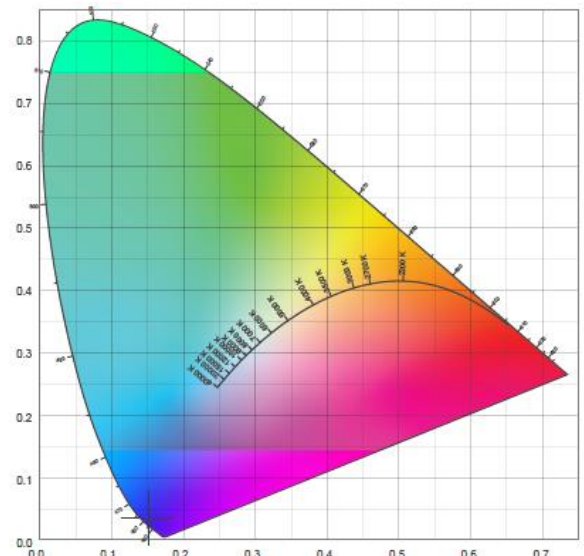
ISOCANDELA DIAGRAM



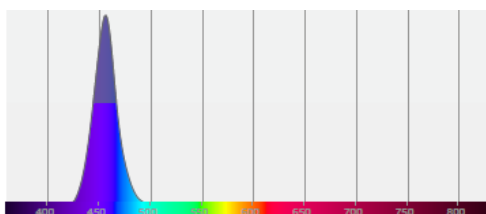
10%	35 cd
20%	70 cd
30%	105 cd
40%	141 cd
50%	176 cd
60%	211 cd
70%	246 cd
80%	281 cd
90%	316 cd

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

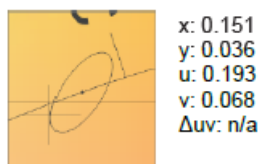
CIE 1931

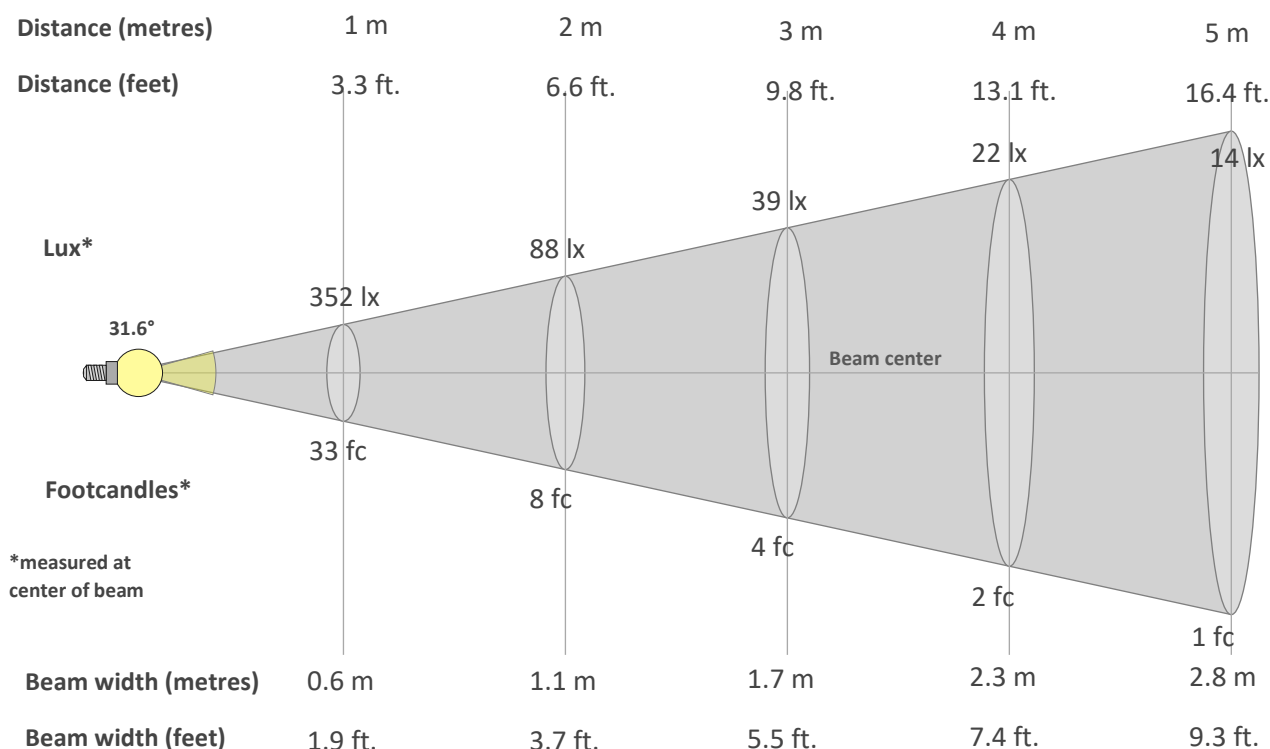


SPECTRAL DISTRIBUTION



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
352lx	88lx	39lx	22lx	14lx	10lx	7lx	5lx	4lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
32.7fc	8.2fc	3.6fc	2fc	1.3fc	0.9fc	0.7fc	0.5fc	0.4fc	0.3fc	0.3fc	0.2fc	0.2fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc

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°
352	349	339	322	300	272	239	205	172	141	114	91	73	58	46	37	30	24	19	15
100%	99%	96%	92%	85%	77%	68%	58%	49%	40%	32%	26%	21%	16%	13%	11%	8%	7%	5%	4%

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°
352	349	338	321	299	271	241	208	174	143	116	92	73	58	46	37	30	24	20	16
100%	99%	96%	91%	85%	77%	68%	59%	50%	41%	33%	26%	21%	17%	13%	11%	9%	7%	6%	4%

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°
352	349	339	322	300	272	239	205	172	141	114	91	73	58	46	37	30	24	19	15
100%	99%	96%	92%	85%	77%	68%	58%	49%	40%	32%	26%	21%	16%	13%	11%	8%	7%	5%	4%

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°
352	349	338	321	299	271	241	208	174	143	116	92	73	58	46	37	30	24	20	16
100%	99%	96%	91%	85%	77%	68%	59%	50%	41%	33%	26%	21%	17%	13%	11%	9%	7%	6%	4%