



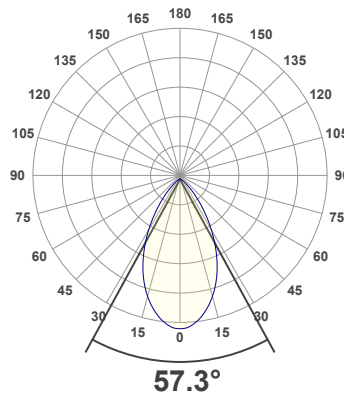
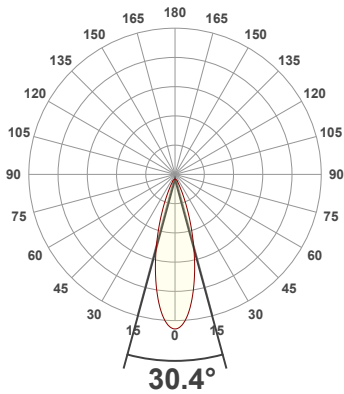
PRODUCT INFORMATION

SERIAL NUMBER: LL-20190826-545-BMS

DATE OF MEASUREMENT: 2019-08-26

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

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

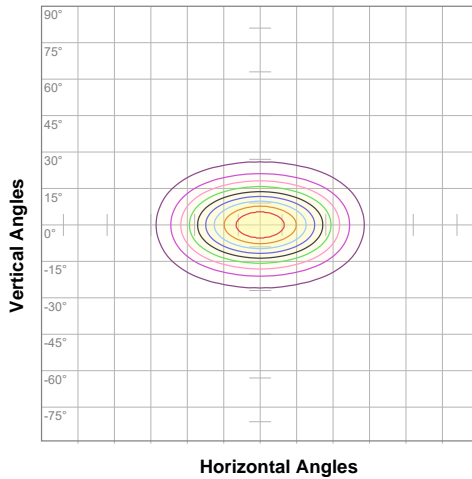


TOTAL LUMEN OUTPUT:	243 lm
EFFICACY:	13 lm/W
PEAK INTENSITY:	399 cd
COLOR RENDERING INDEX (CRI):	N/A
COLOR TEMPERATURE (CCT):	N/A
FIDELITY INDEX (TM30Rf):	N/A
GAMUT INDEX (TM30Rg):	N/A

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	30.4°
BEAM ANGLE (FWHM) C90/270:	57.3°
FIELD ANGLE (10%) C0/180:	57.9°
FIELD ANGLE (10%) C90/270:	95.4°
NUMBER OF PLANES MEASURED:	36

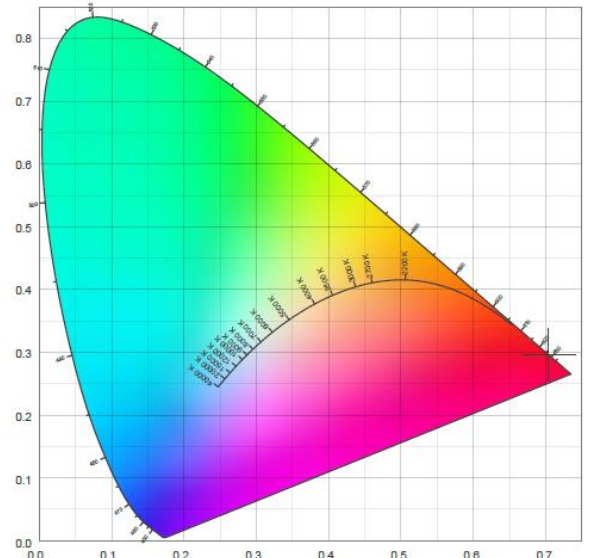
ISOCANDELA DIAGRAM



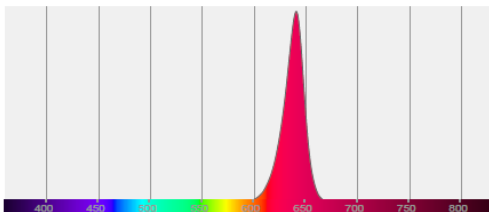
10%	40 cd
20%	80 cd
30%	120 cd
40%	159 cd
50%	199 cd
60%	239 cd
70%	279 cd
80%	319 cd
90%	359 cd

INPUT POWER:	19.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	1.62 mW
PEAK WAVELENGTH:	641 nm
DOMINANT WAVELENGTH:	627 nm

CIE 1931



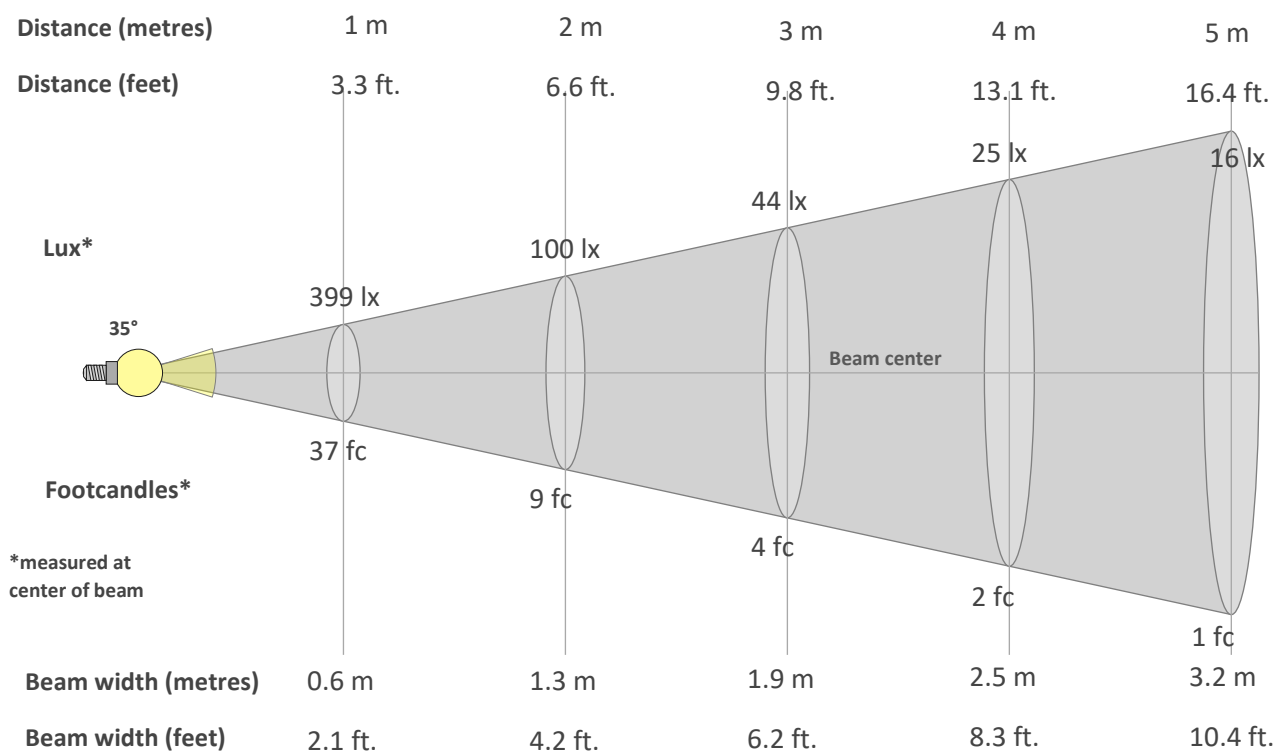
SPECTRAL DISTRIBUTION



CIE 1931 ZOOM



x: 0.704
y: 0.296
u: 0.547
v: 0.345
Δuv: n/a

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
399lx	100lx	44lx	25lx	16lx	11lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
37fc	9.3fc	4.1fc	2.3fc	1.5fc	1fc	0.8fc	0.6fc	0.5fc	0.4fc	0.3fc	0.3fc	0.2fc	0.2fc	0.2fc	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°
399	394	379	357	327	294	258	221	185	152	122	96	75	58	45	35	28	23	19	16
100%	99%	95%	89%	82%	74%	65%	55%	47%	38%	31%	24%	19%	14%	11%	9%	7%	6%	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°
399	397	392	385	376	364	352	338	322	306	288	269	248	227	206	184	163	142	123	104
100%	100%	98%	97%	94%	91%	88%	85%	81%	77%	72%	67%	62%	57%	52%	46%	41%	36%	31%	26%

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°
399	394	379	357	327	294	258	221	185	152	122	96	75	58	45	35	28	23	19	16
100%	99%	95%	89%	82%	74%	65%	55%	47%	38%	31%	24%	19%	14%	11%	9%	7%	6%	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°
399	397	392	385	376	364	352	338	322	306	288	269	248	227	206	184	163	142	123	104
100%	100%	98%	97%	94%	91%	88%	85%	81%	77%	72%	67%	62%	57%	52%	46%	41%	36%	31%	26%