



PRODUCT INFORMATION

SERIAL NUMBER: LL-20190826-545-BMS

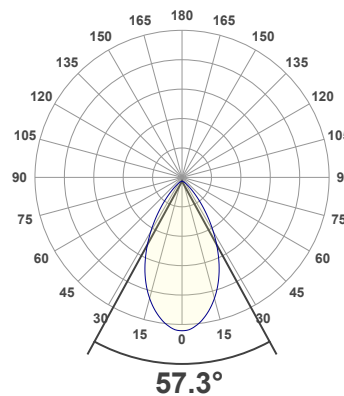
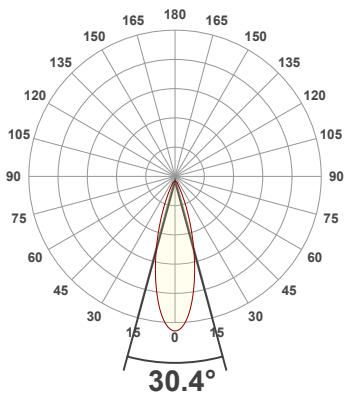
DATE OF MEASUREMENT: 2019-08-26

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

ANGULAR DISTRIBUTION AT C0/180

ANGULAR DISTRIBUTION AT C90/270

LIGHT OUTPUT DATA

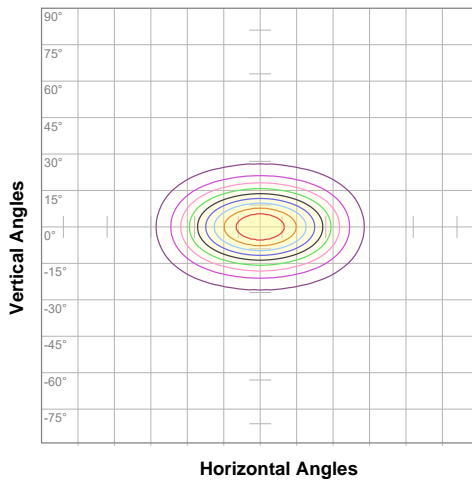


TOTAL LUMEN OUTPUT:	538 lm
EFFICACY:	28 lm/W
PEAK INTENSITY:	884 cd
COLOR RENDERING INDEX (CRI):	79.9
COLOR TEMPERATURE (CCT):	2988
FIDELITY INDEX (TM30Rf):	82.0
GAMUT INDEX (TM30Rg):	96.5

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

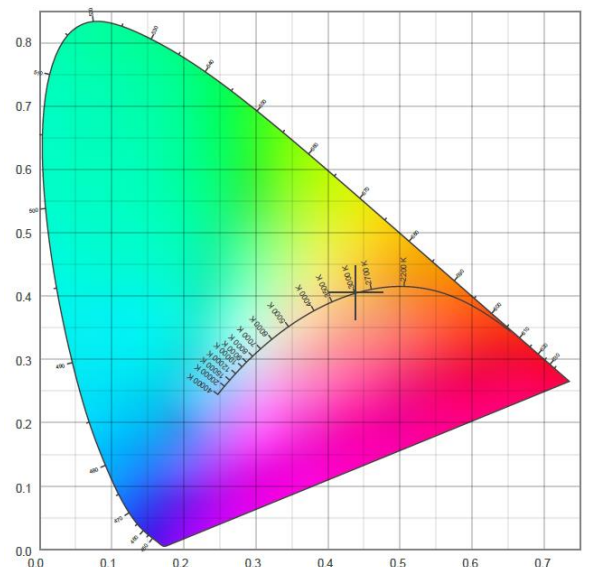
ISOCANDELA DIAGRAM



10%	88 cd
20%	177 cd
30%	265 cd
40%	353 cd
50%	442 cd
60%	530 cd
70%	618 cd
80%	707 cd
90%	795 cd

INPUT POWER:	19.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	1.62 mW
PEAK WAVELENGTH:	601 nm
DOMINANT WAVELENGTH:	583 nm

CIE 1931

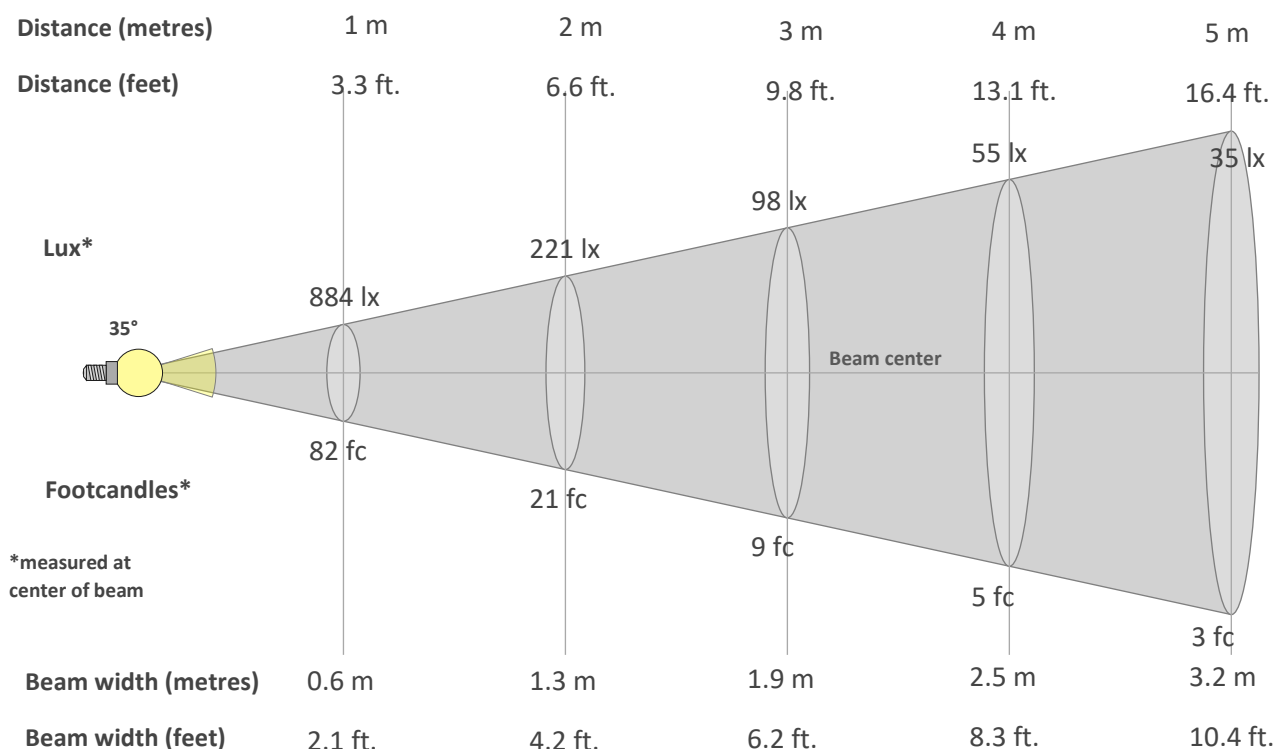


SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.439
y: 0.406
u: 0.251
v: 0.348
 $\Delta uv: 0.0004$

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
884lx	221lx	98lx	55lx	35lx	25lx	18lx	14lx	11lx	9lx	7lx	6lx	5lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx
82.1fc	20.5fc	9.1fc	5.1fc	3.3fc	2.3fc	1.7fc	1.3fc	1fc	0.8fc	0.7fc	0.6fc	0.5fc	0.4fc	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°
884	874	841	791	725	651	571	490	411	337	271	214	166	128	99	78	62	51	43	36
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°
884	879	869	853	833	808	780	748	714	677	637	595	550	503	456	408	361	316	272	230
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°
884	874	841	791	725	651	571	490	411	337	271	214	166	128	99	78	62	51	43	36
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°
884	879	869	853	833	808	780	748	714	677	637	595	550	503	456	408	361	316	272	230
100%	100%	98%	97%	94%	91%	88%	85%	81%	77%	72%	67%	62%	57%	52%	46%	41%	36%	31%	26%