



**PRODUCT INFORMATION**

SERIAL NUMBER: LL-20190827-550-BMS

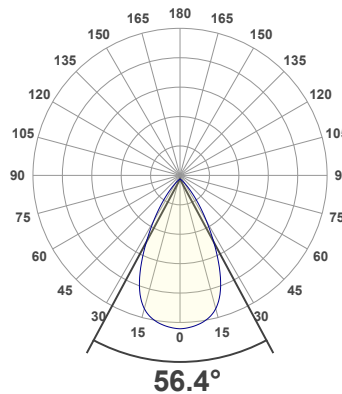
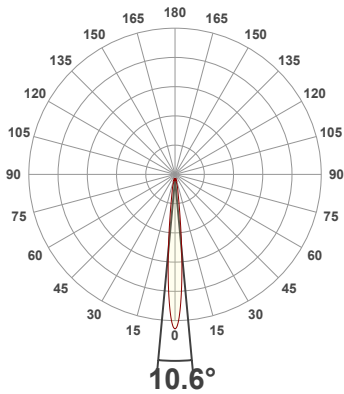
DATE OF MEASUREMENT: 2019-08-27

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

**ANGULAR DISTRIBUTION AT C0/180**

**ANGULAR DISTRIBUTION AT C90/270**

**LIGHT OUTPUT DATA**

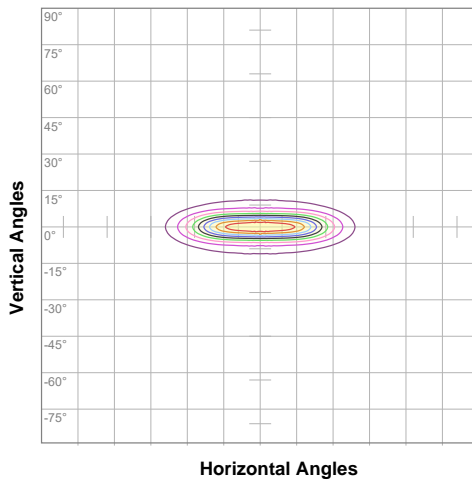


TOTAL LUMEN OUTPUT:	533 lm
EFFICACY:	35 lm/W
PEAK INTENSITY:	2127 cd
COLOR RENDERING INDEX (CRI):	79.9
COLOR TEMPERATURE (CCT):	2988
FIDELITY INDEX (TM30Rf):	82.0
GAMUT INDEX (TM30Rg):	96.5

**BEAM OUTPUT DATA**

BEAM ANGLE (FWHM)   C0/180:	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

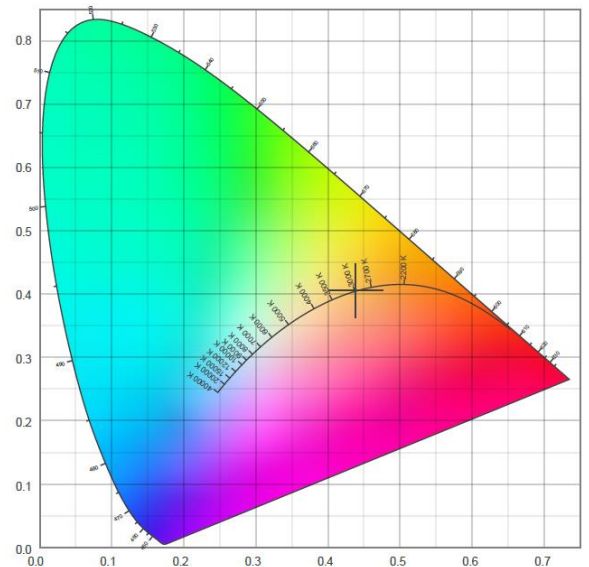
**ISOCANDELA DIAGRAM**



10%	213 cd
20%	425 cd
30%	638 cd
40%	850 cd
50%	1063 cd
60%	1275 cd
70%	1488 cd
80%	1700 cd
90%	1913 cd

INPUT POWER:	15.3 W
POWER FACTOR:	1.0
OPTICAL POWER:	1.62 mW
PEAK WAVELENGTH:	601 nm
DOMINANT WAVELENGTH:	583 nm

**CIE 1931**

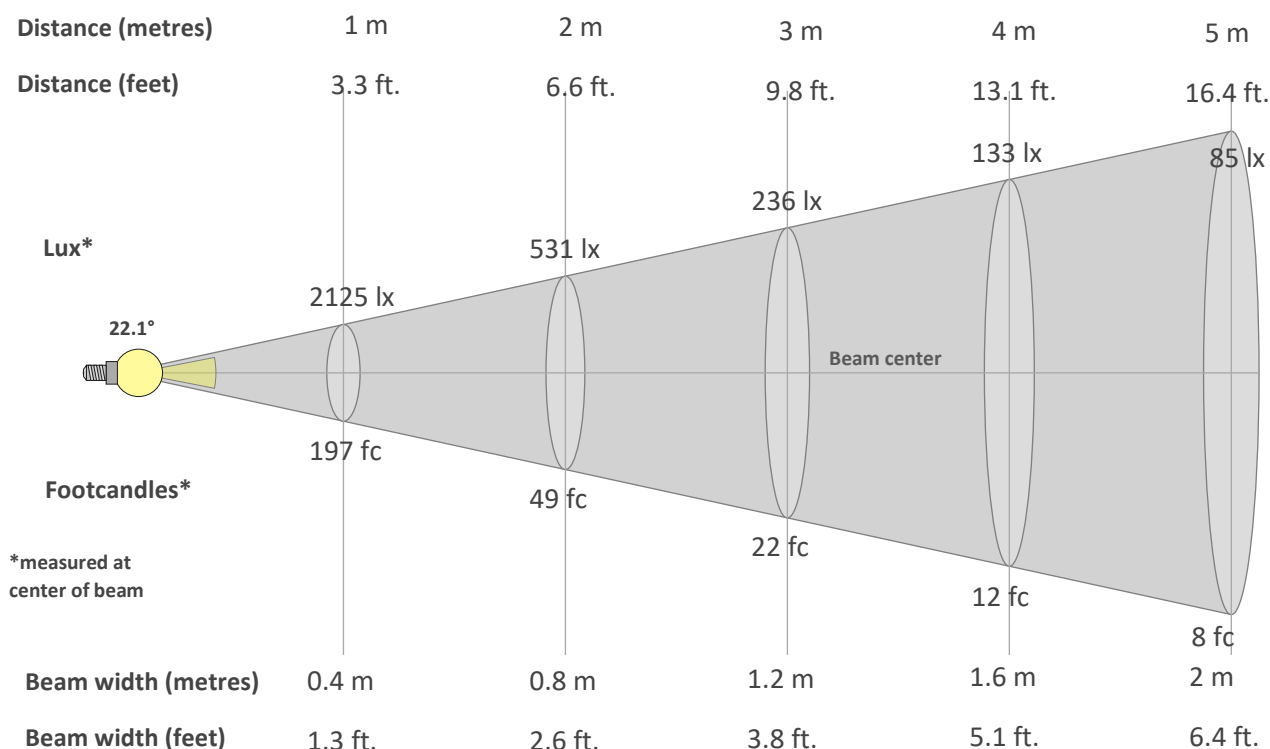


**SPECTRAL DISTRIBUTION**

**CIE 1931 ZOOM**



x: 0.439  
y: 0.406  
u: 0.251  
v: 0.348  
Δuv: 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
2125lx	531lx	236lx	133lx	85lx	59lx	43lx	33lx	26lx	21lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	7lx	6lx	5lx
197.4fc	49.4fc	21.9fc	12.3fc	7.9fc	5.5fc	4fc	3.1fc	2.4fc	2fc	1.6fc	1.4fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc

**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°
2125	1916	1420	891	518	321	223	171	139	113	89	67	51	39	30	24	20	16	13	12
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°
2125	2122	2111	2096	2075	2048	2014	1967	1902	1817	1709	1576	1420	1252	1082	919	771	639	521	417
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°
2125	1916	1420	891	518	321	223	171	139	113	89	67	51	39	30	24	20	16	13	12
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°
2125	2122	2111	2096	2075	2048	2014	1967	1902	1817	1709	1576	1420	1252	1082	919	771	639	521	417
100%	100%	99%	99%	98%	96%	95%	93%	90%	85%	80%	74%	67%	59%	51%	43%	36%	30%	25%	20%