



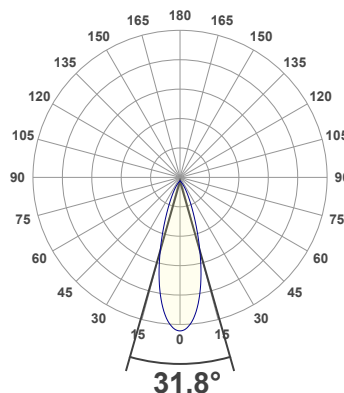
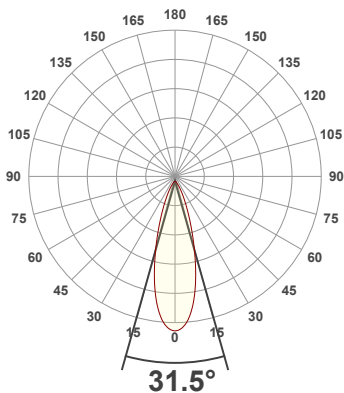
**PRODUCT INFORMATION**

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**

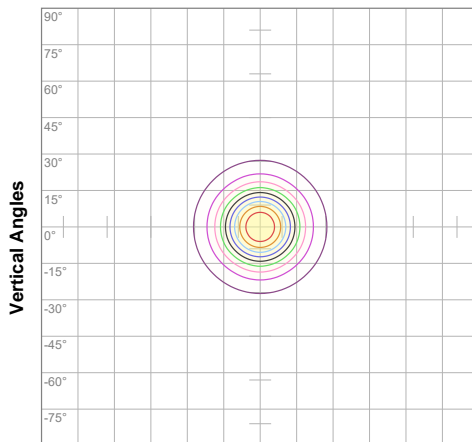


TOTAL LUMEN OUTPUT:	400 lm
EFFICACY:	21 lm/W
PEAK INTENSITY:	1025 cd
COLOR RENDERING INDEX (CRI):	N/A
COLOR TEMPERATURE (CCT):	N/A
FIDELITY INDEX (TM30Rf):	N/A
GAMUT INDEX (TM30Rg):	N/A

**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

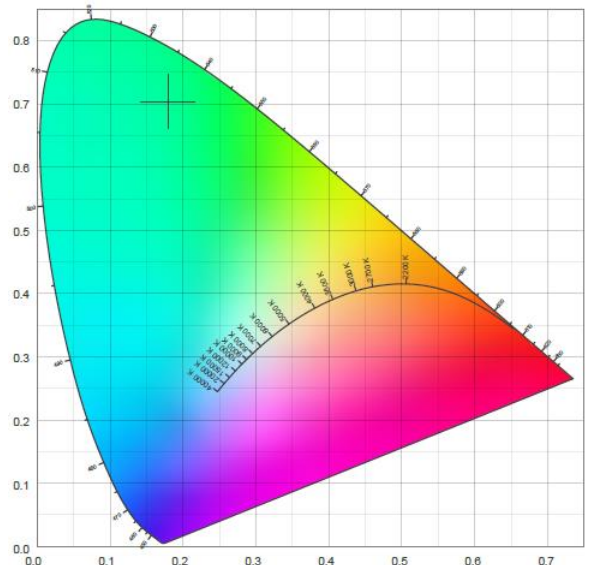
**ISOCANDELA DIAGRAM**



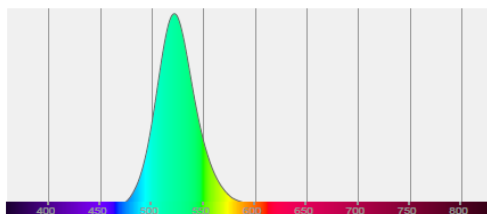
10%	102 cd
20%	205 cd
30%	307 cd
40%	410 cd
50%	512 cd
60%	615 cd
70%	717 cd
80%	819 cd
90%	922 cd

INPUT POWER:	19.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	0.849 mW
PEAK WAVELENGTH:	522 nm
DOMINANT WAVELENGTH:	528 nm

**CIE 1931**



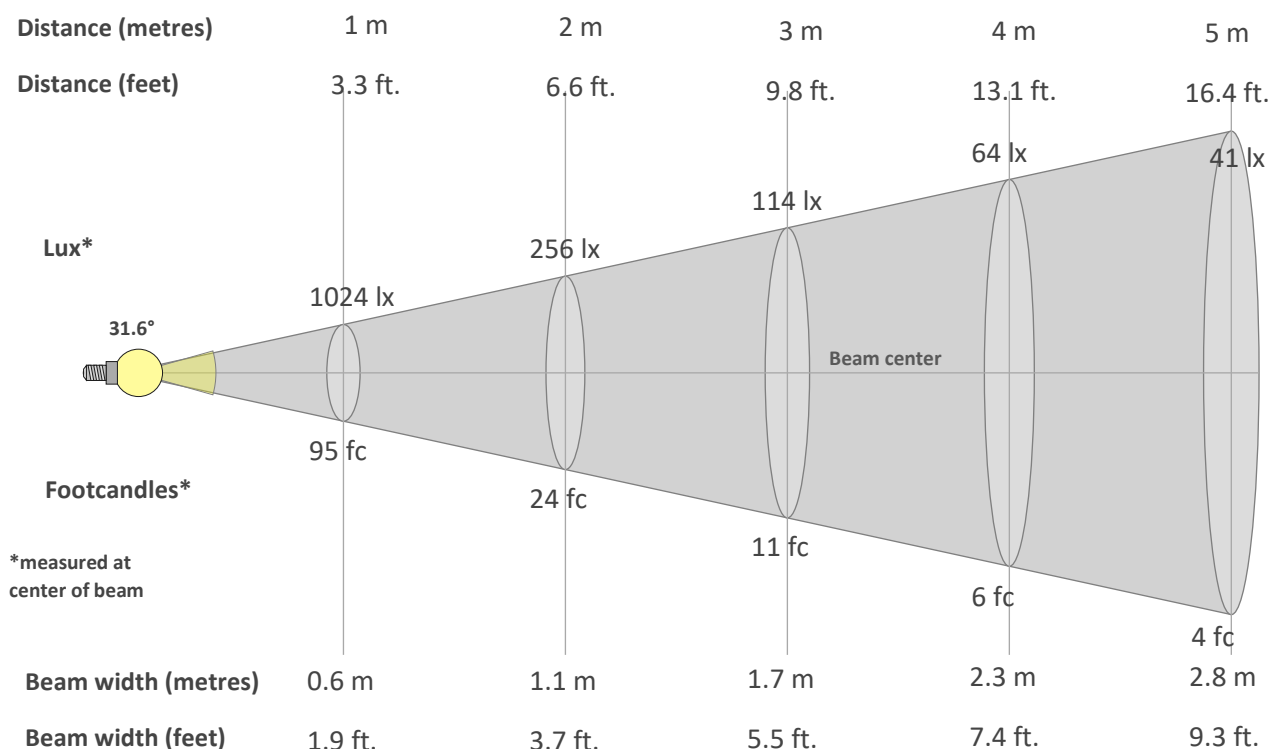
**SPECTRAL DISTRIBUTION**



**CIE 1931 ZOOM**



x: 0.179  
y: 0.704  
u: 0.065  
v: 0.381  
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
1024lx	256lx	114lx	64lx	41lx	28lx	21lx	16lx	13lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx
95.1fc	23.8fc	10.6fc	5.9fc	3.8fc	2.6fc	1.9fc	1.5fc	1.2fc	1fc	0.8fc	0.7fc	0.6fc	0.5fc	0.4fc	0.4fc	0.3fc	0.3fc	0.3fc	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°
1024	1016	987	940	874	791	697	597	500	410	332	265	211	169	134	108	87	70	56	45
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°
1024	1015	984	936	871	791	701	605	508	417	337	268	213	170	135	109	88	70	57	46
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°
1024	1016	987	940	874	791	697	597	500	410	332	265	211	169	134	108	87	70	56	45
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°
1024	1015	984	936	871	791	701	605	508	417	337	268	213	170	135	109	88	70	57	46
100%	99%	96%	91%	85%	77%	68%	59%	50%	41%	33%	26%	21%	17%	13%	11%	9%	7%	6%	4%