



**PRODUCT INFORMATION**

SERIAL NUMBER: **LL-20190828-570-BMS**

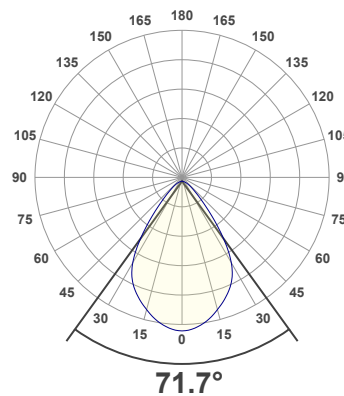
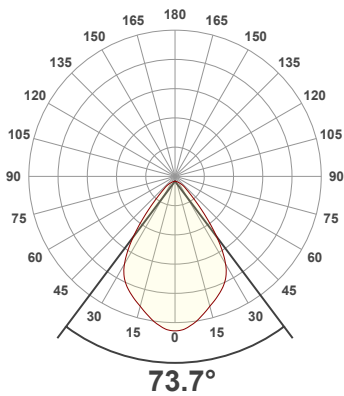
DATE OF MEASUREMENT: **2019-08-28**

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

**ANGULAR DISTRIBUTION AT C0/180**

**ANGULAR DISTRIBUTION AT C90/270**

**LIGHT OUTPUT DATA**

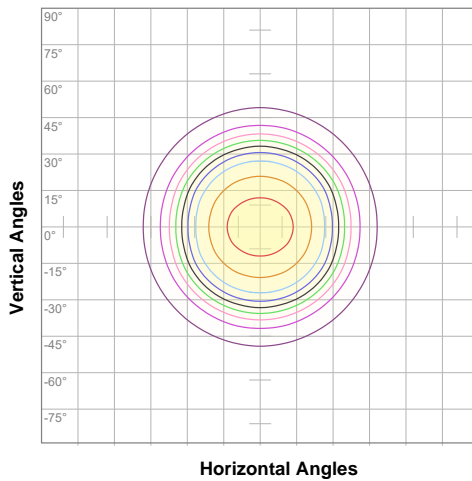


TOTAL LUMEN OUTPUT:	<b>137 lm</b>
EFFICACY:	<b>7 lm/W</b>
PEAK INTENSITY:	<b>99.4 cd</b>
COLOR RENDERING INDEX (CRI):	<b>N/A</b>
COLOR TEMPERATURE (CCT):	<b>N/A</b>
FIDELITY INDEX (TM30Rf):	<b>N/A</b>
GAMUT INDEX (TM30Rg):	<b>N/A</b>

**BEAM OUTPUT DATA**

BEAM ANGLE (FWHM)   C0/180:	<b>73.7°</b>
BEAM ANGLE (FWHM)   C90/270:	<b>71.7°</b>
FIELD ANGLE (10%)   C0/180:	<b>109.4°</b>
FIELD ANGLE (10%)   C90/270:	<b>107°</b>
NUMBER OF PLANES MEASURED:	<b>12</b>

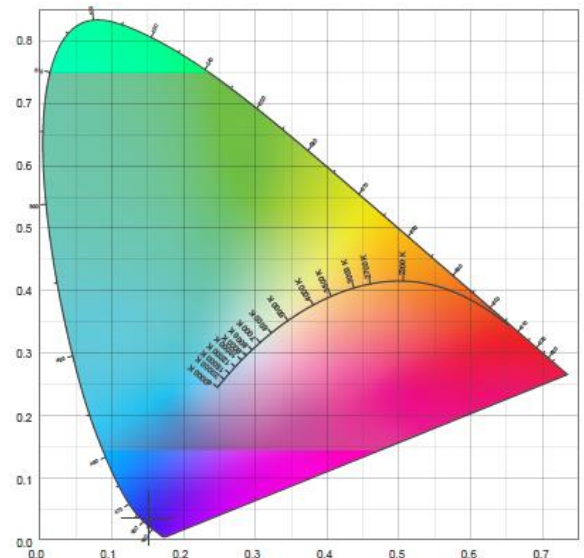
**ISOCANDELA DIAGRAM**



- 10% 10 cd
- 20% 20 cd
- 30% 30 cd
- 40% 40 cd
- 50% 50 cd
- 60% 60 cd
- 70% 70 cd
- 80% 79 cd
- 90% 89 cd

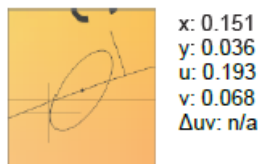
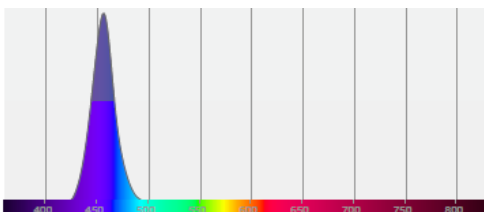
INPUT POWER:	<b>19.2 W</b>
POWER FACTOR:	<b>1.0</b>
OPTICAL POWER:	<b>2.79 mW</b>
PEAK WAVELENGTH:	<b>456 nm</b>
DOMINANT WAVELENGTH:	<b>459 nm</b>

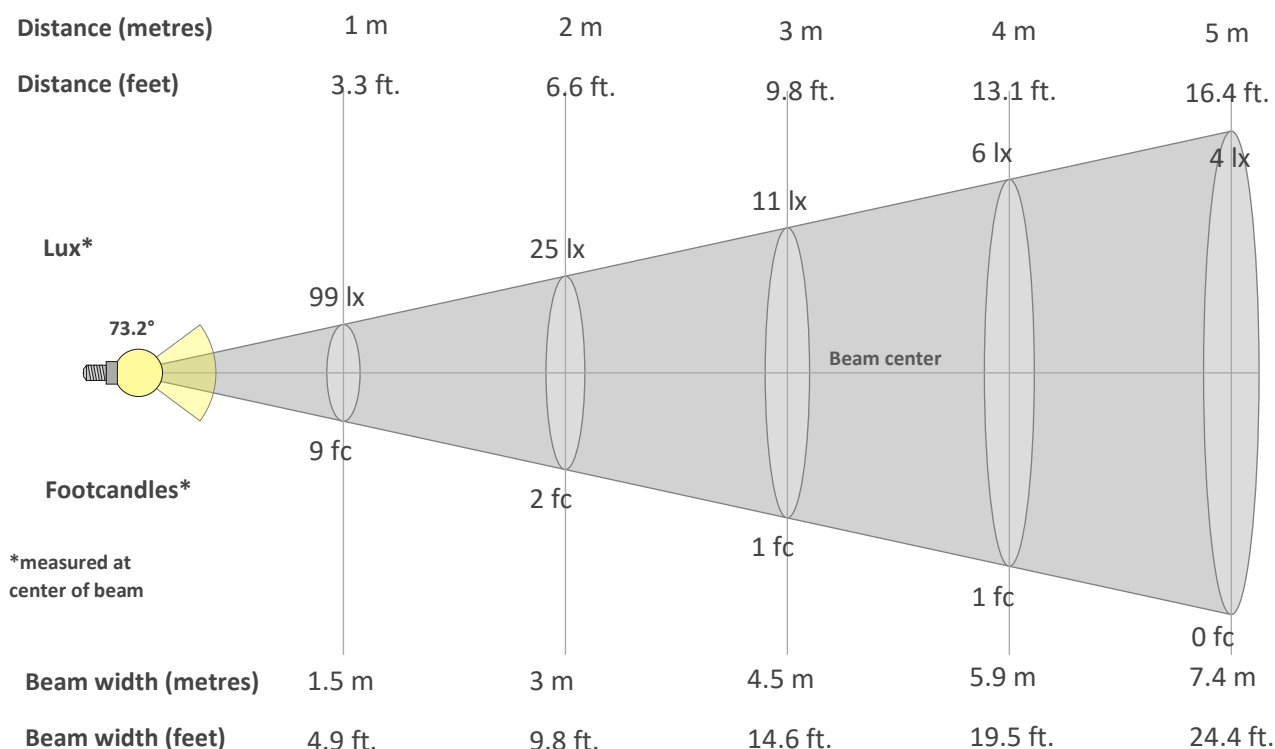
**CIE 1931**



**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
99lx	25lx	11lx	6lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx
9.2fc	2.3fc	1fc	0.6fc	0.4fc	0.3fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0fc	0fc	0fc	0fc	0fc	0fc

**Intensity in 0° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
99.4	97.6	93.0	87.6	82.6	77.4	69.8	56.1	38.2	23.2	14.3	9.7	7.2	5.0	3.1	1.8	0.7	0.2	0.0	0.0
100%	98%	94%	88%	83%	78%	70%	56%	38%	23%	14%	10%	7%	5%	3%	2%	1%	0%	0%	0%

**Intensity in 90° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
99.4	98.0	94.5	89.5	83.9	77.4	68.0	52.8	34.9	21.2	13.4	8.9	6.2	4.3	2.9	1.6	0.7	0.1	0.0	0.0
100%	99%	95%	90%	84%	78%	68%	53%	35%	21%	13%	9%	6%	4%	3%	2%	1%	0%	0%	0%

**Intensity in 180° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
99.4	97.6	93.0	87.6	82.6	77.4	69.8	56.1	38.2	23.2	14.3	9.7	7.2	5.0	3.1	1.8	0.7	0.2	0.0	0.0
100%	98%	94%	88%	83%	78%	70%	56%	38%	23%	14%	10%	7%	5%	3%	2%	1%	0%	0%	0%

**Intensity in 270° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
99.4	98.0	94.5	89.5	83.9	77.4	68.0	52.8	34.9	21.2	13.4	8.9	6.2	4.3	2.9	1.6	0.7	0.1	0.0	0.0
100%	99%	95%	90%	84%	78%	68%	53%	35%	21%	13%	9%	6%	4%	3%	2%	1%	0%	0%	0%