



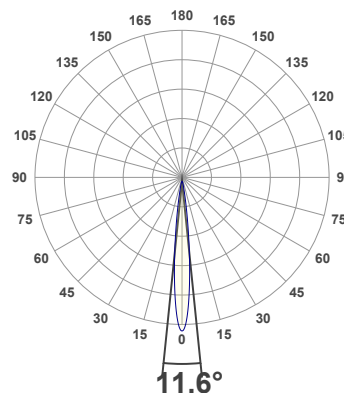
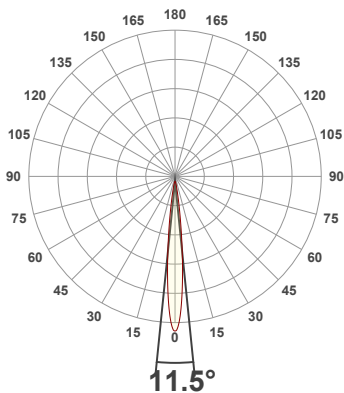
**PRODUCT INFORMATION**

SERIAL NUMBER: **LL-20190828-561-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**

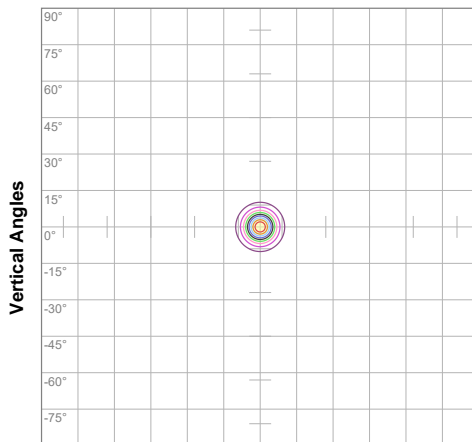


TOTAL LUMEN OUTPUT:	<b>553 lm</b>
EFFICACY:	<b>29 lm/W</b>
PEAK INTENSITY:	<b>9144 cd</b>
COLOR RENDERING INDEX (CRI):	<b>26.3</b>
COLOR TEMPERATURE (CCT):	<b>21133K</b>
FIDELITY INDEX (TM30Rf):	<b>0.0</b>
GAMUT INDEX (TM30Rg):	<b>n/a</b>

**BEAM OUTPUT DATA**

BEAM ANGLE (FWHM)   C0/180:	<b>11.5°</b>
BEAM ANGLE (FWHM)   C90/270:	<b>11.6°</b>
FIELD ANGLE (10%)   C0/180:	<b>22.7°</b>
FIELD ANGLE (10%)   C90/270:	<b>22.5°</b>
NUMBER OF PLANES MEASURED:	<b>12</b>

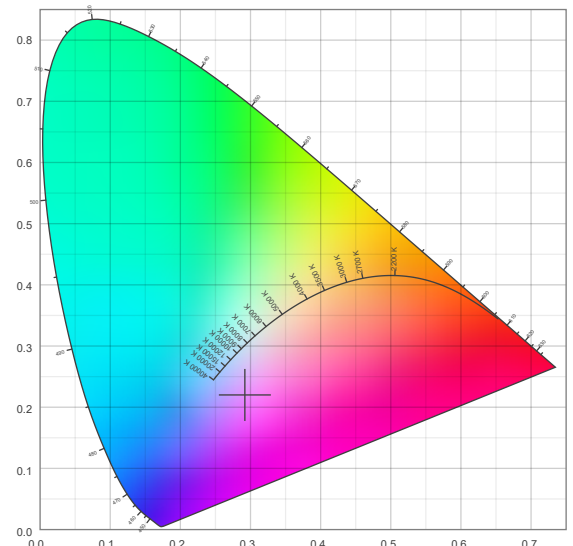
**ISOCANDELA DIAGRAM**



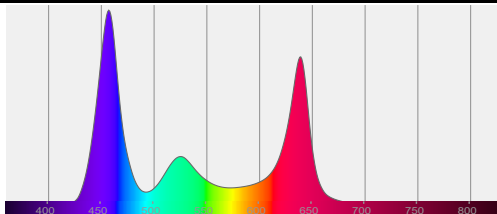
10%	<b>914 cd</b>
20%	<b>1827 cd</b>
30%	<b>2741 cd</b>
40%	<b>3654 cd</b>
50%	<b>4568 cd</b>
60%	<b>5482 cd</b>
70%	<b>6395 cd</b>
80%	<b>7309 cd</b>
90%	<b>8223 cd</b>

INPUT POWER:	<b>19.2 W</b>
POWER FACTOR:	<b>1.0</b>
OPTICAL POWER:	<b>2.72 mW</b>
PEAK WAVELENGTH:	<b>457 nm</b>
DOMINANT WAVELENGTH:	<b>360 nm</b>

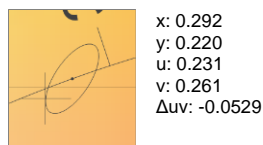
**CIE 1931**

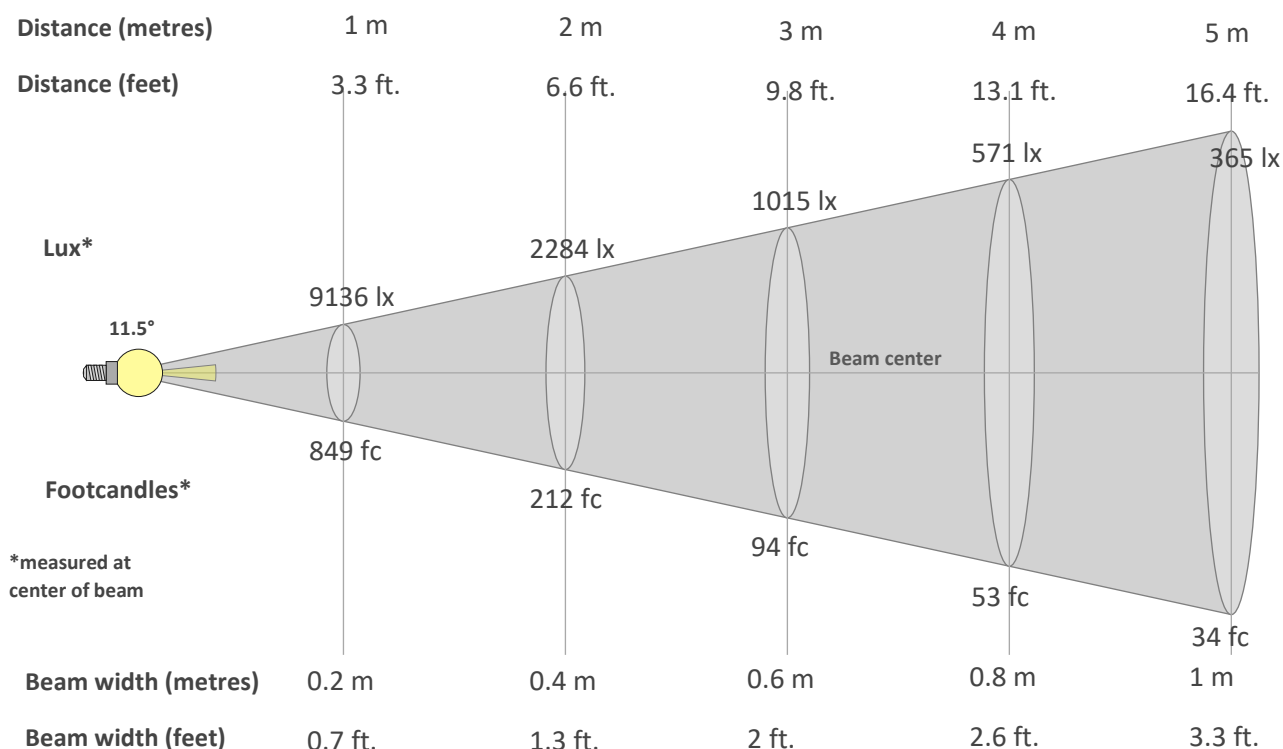


**SPECTRAL DISTRIBUTION**



**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
9136lx	2284lx	1015lx	571lx	365lx	254lx	186lx	143lx	113lx	91lx	76lx	63lx	54lx	47lx	41lx	36lx	32lx	28lx	25lx	23lx
848.8fc	212.2fc	94.3fc	53fc	34fc	23.6fc	17.3fc	13.3fc	10.5fc	8.5fc	7fc	5.9fc	5fc	4.3fc	3.8fc	3.3fc	2.9fc	2.6fc	2.4fc	2.1fc

**Intensity in 0° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9136	8941	8389	7544	6511	5401	4313	3328	2505	1855	1361	1005	761	589	470	386	326	281	248	218
100%	98%	92%	83%	71%	59%	47%	36%	27%	20%	15%	11%	8%	6%	5%	4%	4%	3%	3%	2%

**Intensity in 90° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9136	8950	8409	7578	6559	5452	4357	3360	2522	1856	1349	985	739	569	454	375	320	279	245	217
100%	98%	92%	83%	72%	60%	48%	37%	28%	20%	15%	11%	8%	6%	5%	4%	3%	3%	3%	2%

**Intensity in 180° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9136	8941	8389	7544	6511	5401	4313	3328	2505	1855	1361	1005	761	589	470	386	326	281	248	218
100%	98%	92%	83%	71%	59%	47%	36%	27%	20%	15%	11%	8%	6%	5%	4%	4%	3%	3%	2%

**Intensity in 270° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9136	8950	8409	7578	6559	5452	4357	3360	2522	1856	1349	985	739	569	454	375	320	279	245	217
100%	98%	92%	83%	72%	60%	48%	37%	28%	20%	15%	11%	8%	6%	5%	4%	3%	3%	3%	2%