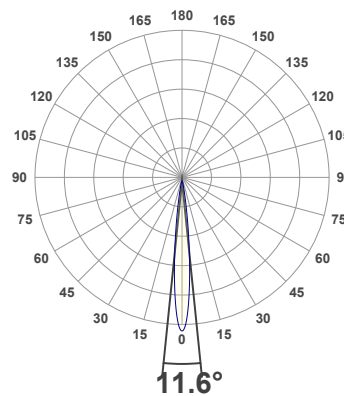
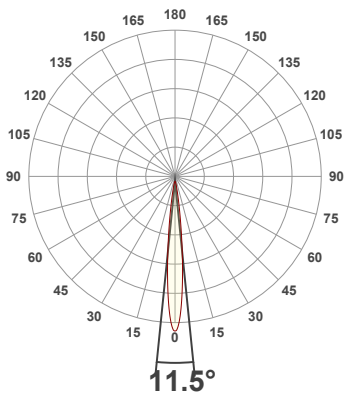




PRODUCT INFORMATION

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

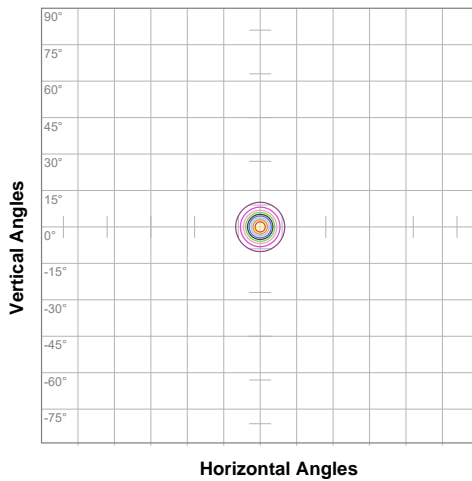


TOTAL LUMEN OUTPUT:	489 lm
EFFICACY:	25 lm/W
PEAK INTENSITY:	8078 cd
COLOR RENDERING INDEX (CRI):	79.9
COLOR TEMPERATURE (CCT):	2988
FIDELITY INDEX (TM30Rf):	82.0
GAMUT INDEX (TM30Rg):	96.5

BEAM OUTPUT DATA

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

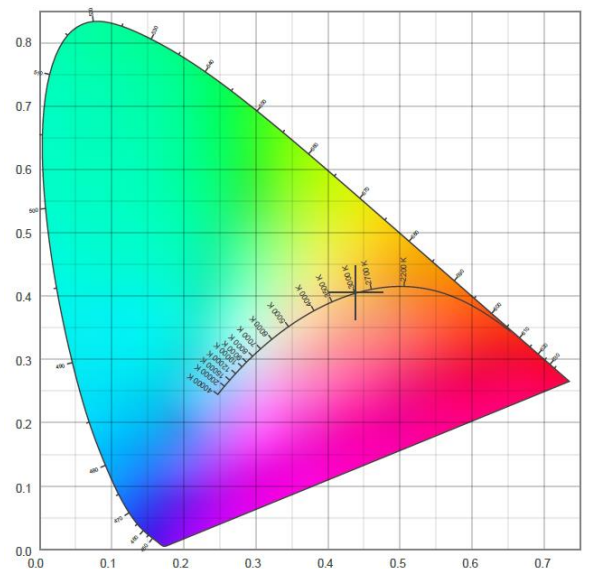
ISOCANDELA DIAGRAM



10%	807 cd
20%	1614 cd
30%	2421 cd
40%	3229 cd
50%	4036 cd
60%	4843 cd
70%	5650 cd
80%	6457 cd
90%	7264 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

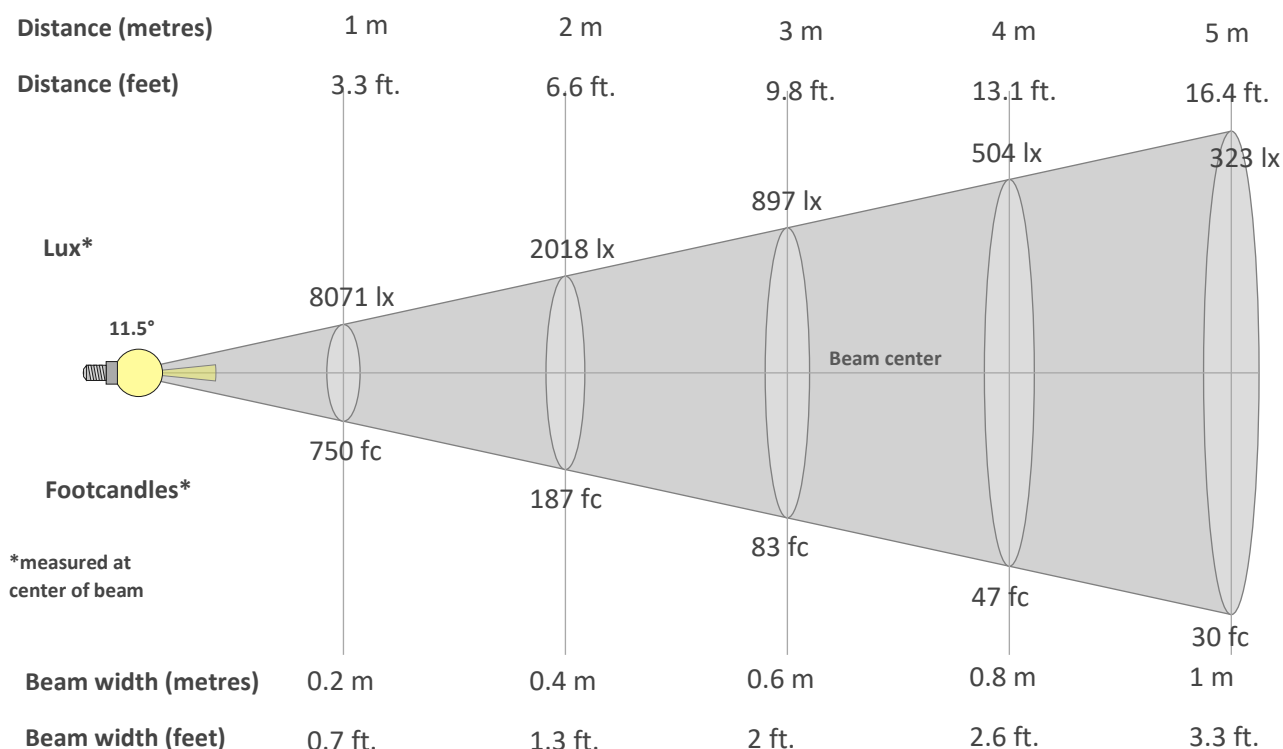


SPECTRAL DISTRIBUTION



CIE 1931 ZOOM

x:	0.439
y:	0.406
u:	0.251
v:	0.348
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
8071lx	2018lx	897lx	504lx	323lx	224lx	165lx	126lx	100lx	81lx	67lx	56lx	48lx	41lx	36lx	32lx	28lx	25lx	22lx	20lx
749.8fc	187.5fc	83.3fc	46.9fc	30fc	20.8fc	15.3fc	11.7fc	9.3fc	7.5fc	6.2fc	5.2fc	4.4fc	3.8fc	3.3fc	2.9fc	2.6fc	2.3fc	2.1fc	1.9fc

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°
8071	7899	7411	6665	5752	4771	3810	2940	2213	1639	1202	888	672	520	415	341	288	248	219	192
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°
8071	7906	7428	6695	5795	4817	3849	2968	2228	1639	1192	871	653	503	401	331	282	247	217	191
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°
8071	7899	7411	6665	5752	4771	3810	2940	2213	1639	1202	888	672	520	415	341	288	248	219	192
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°
8071	7906	7428	6695	5795	4817	3849	2968	2228	1639	1192	871	653	503	401	331	282	247	217	191
100%	98%	92%	83%	72%	60%	48%	37%	28%	20%	15%	11%	8%	6%	5%	4%	3%	3%	3%	2%