



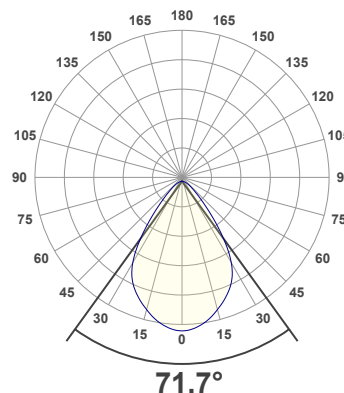
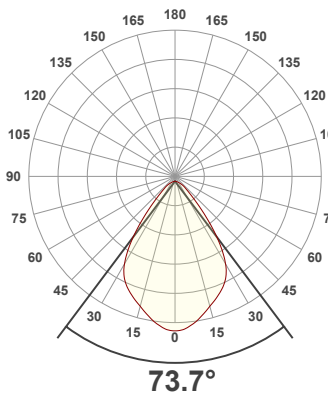
PRODUCT INFORMATION

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

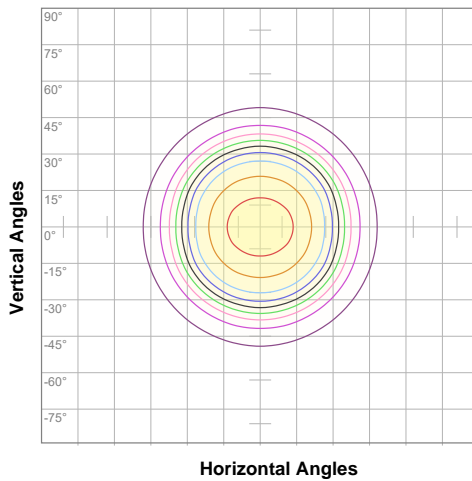


TOTAL LUMEN OUTPUT:	529 lm
EFFICACY:	27 lm/W
PEAK INTENSITY:	385 cd
COLOR RENDERING INDEX (CRI):	79.9
COLOR TEMPERATURE (CCT):	2988
FIDELITY INDEX (TM30Rf):	82.0
GAMUT INDEX (TM30Rg):	96.5

BEAM OUTPUT DATA

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

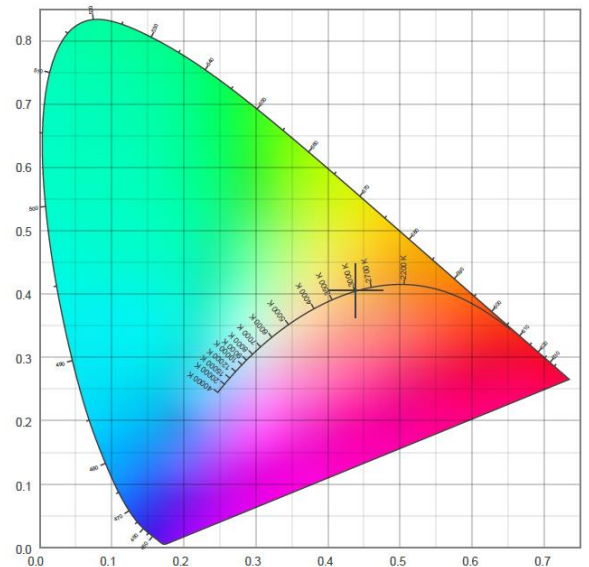
ISOCANDELA DIAGRAM



10%	38 cd
20%	77 cd
30%	115 cd
40%	154 cd
50%	192 cd
60%	231 cd
70%	269 cd
80%	308 cd
90%	346 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

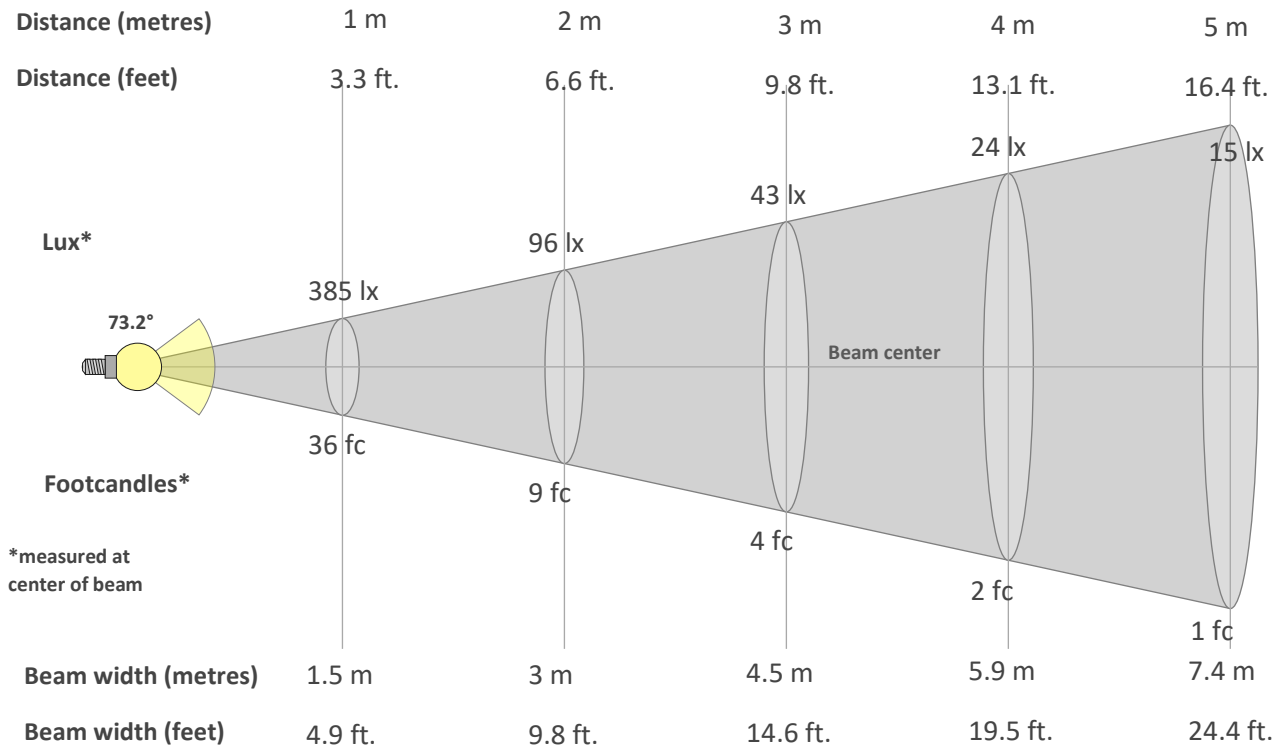


SPECTRAL DISTRIBUTION | CIE 1931 ZOOM



x: 0.439
y: 0.406
u: 0.251
v: 0.348
 $\Delta uv: 0.0004$

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
385lx	96lx	43lx	24lx	15lx	11lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
35.7fc	8.9fc	4fc	2.2fc	1.4fc	1fc	0.7fc	0.6fc	0.4fc	0.4fc	0.3fc	0.2fc	0.2fc	0.2fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc

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°
385	378	360	339	320	300	270	217	148	90	56	38	28	19	12	7	3	1	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°
385	379	366	346	325	299	263	205	135	82	52	34	24	17	11	6	3	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°
385	378	360	339	320	300	270	217	148	90	56	38	28	19	12	7	3	1	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°
385	379	366	346	325	299	263	205	135	82	52	34	24	17	11	6	3	0	0	0
100%	99%	95%	90%	84%	78%	68%	53%	35%	21%	13%	9%	6%	4%	3%	2%	1%	0%	0%	0%