



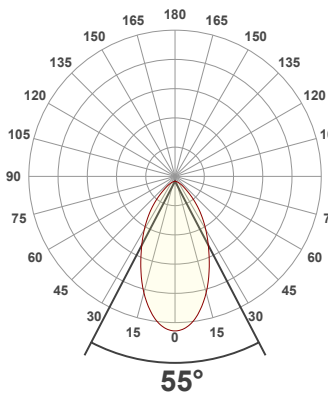
PRODUCT INFORMATION

SERIAL NUMBER: LL-20190828-569-BMS

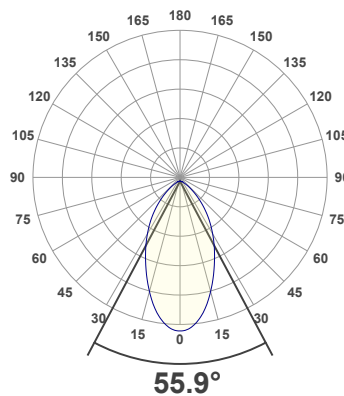
DATE OF MEASUREMENT: 2019-08-28

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

ANGULAR DISTRIBUTION AT C0/180



ANGULAR DISTRIBUTION AT C90/270



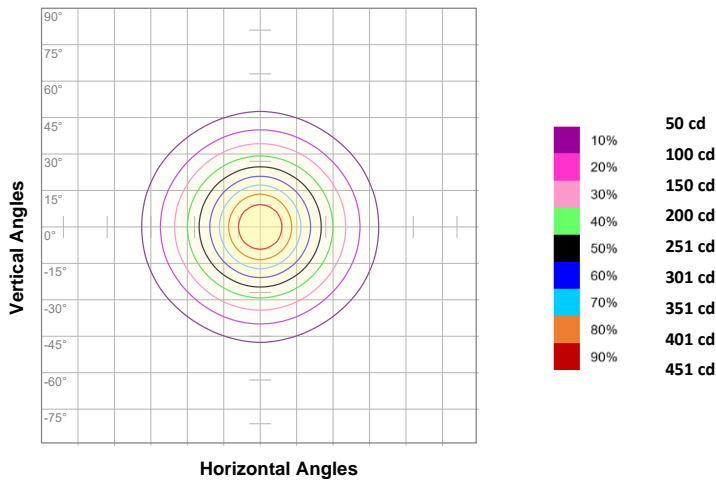
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	538 lm
EFFICACY:	28 lm/W
PEAK INTENSITY:	501 cd
COLOR RENDERING INDEX (CRI):	79.9
COLOR TEMPERATURE (CCT):	2988
FIDELITY INDEX (TM30Rf):	82.0
GAMUT INDEX (TM30Rg):	96.5

BEAM OUTPUT DATA

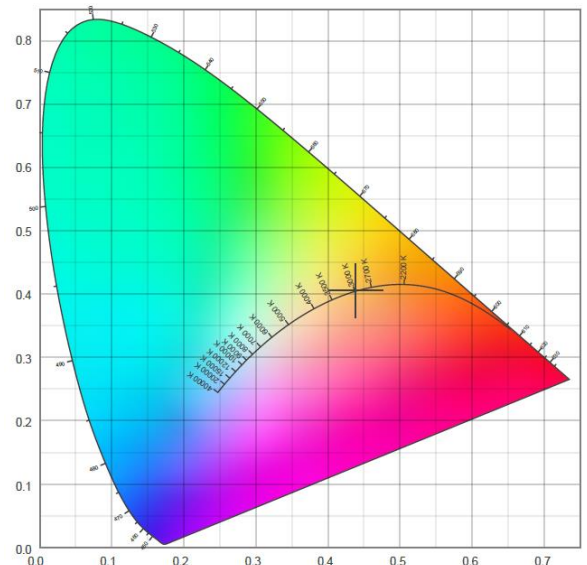
BEAM ANGLE (FWHM) C0/180:	55°
BEAM ANGLE (FWHM) C90/270:	55.9°
FIELD ANGLE (10%) C0/180:	105.7°
FIELD ANGLE (10%) C90/270:	108.5°
NUMBER OF PLANES MEASURED:	12

ISOCANDELA DIAGRAM



INPUT POWER:	19.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	1.62 mW
PEAK WAVELENGTH:	601 nm
DOMINANT WAVELENGTH:	583 nm

CIE 1931



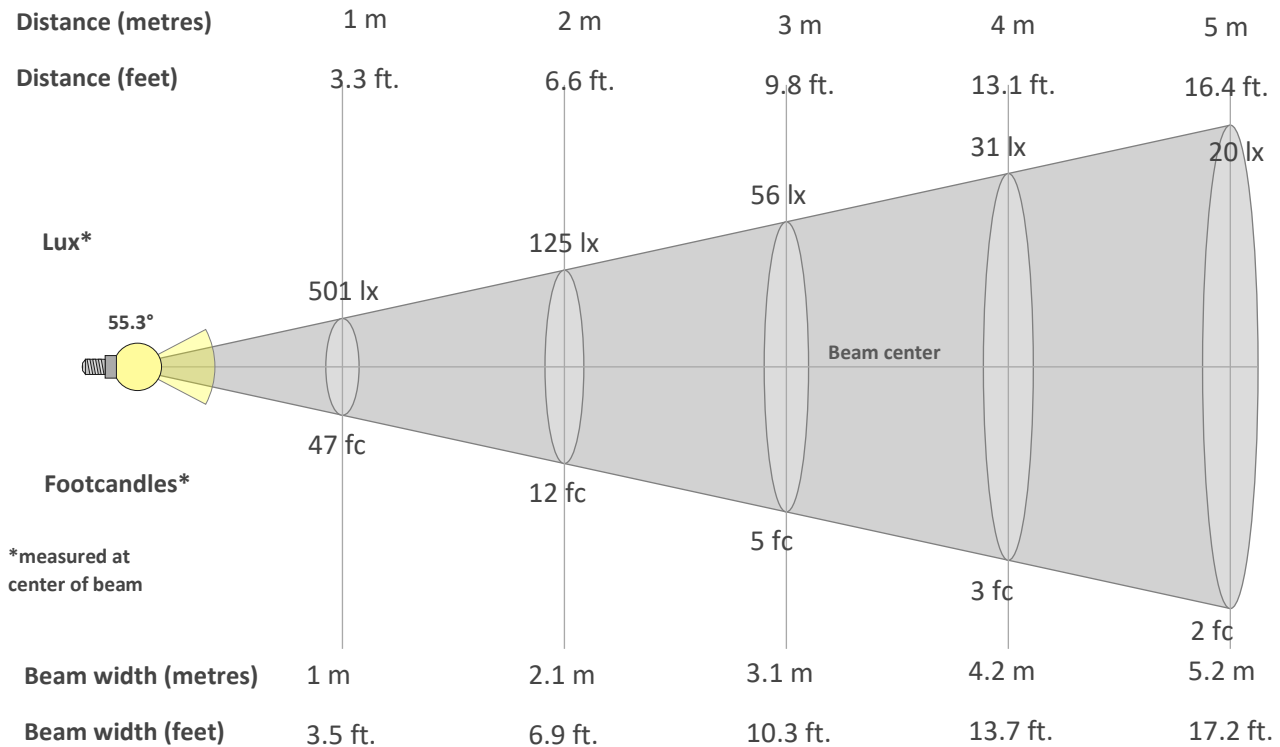
SPECTRAL DISTRIBUTION



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
501lx	125lx	56lx	31lx	20lx	14lx	10lx	8lx	6lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx
46.6fc	11.6fc	5.2fc	2.9fc	1.9fc	1.3fc	1fc	0.7fc	0.6fc	0.5fc	0.4fc	0.3fc	0.3fc	0.2fc	0.2fc	0.2fc	0.2fc	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°
501	489	453	401	340	278	224	177	135	96	64	42	29	19	12	6	3	0	0	0
100%	98%	90%	80%	68%	56%	45%	35%	27%	19%	13%	8%	6%	4%	2%	1%	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°
501	487	448	394	335	280	231	185	143	105	72	47	30	19	12	7	3	0	0	0
100%	97%	89%	79%	67%	56%	46%	37%	29%	21%	14%	9%	6%	4%	2%	1%	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°
501	489	453	401	340	278	224	177	135	96	64	42	29	19	12	6	3	0	0	0
100%	98%	90%	80%	68%	56%	45%	35%	27%	19%	13%	8%	6%	4%	2%	1%	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°
501	487	448	394	335	280	231	185	143	105	72	47	30	19	12	7	3	0	0	0
100%	97%	89%	79%	67%	56%	46%	37%	29%	21%	14%	9%	6%	4%	2%	1%	1%	0%	0%	0%