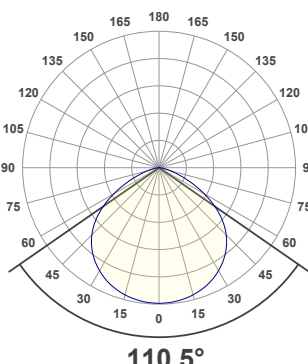
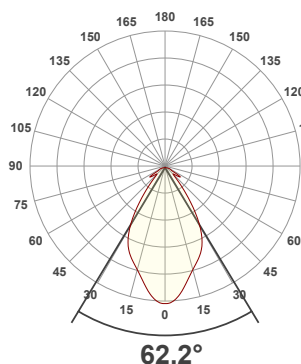


PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2023.Dec.15-2186-VO
DATE OF MEASUREMENT:	12/15/2023
MANUFACTURER:	GVA LIGHTING, INC.
PRODUCT NAME:	HIGHLIGHTER SERIES, HL-GEN4
SIZE (width x length x height):	23.3 mm x 298 mm x 35.5 mm
LOT:	GP-5-G/HR-4-L/RO-4-L/U73GY1
PROFILE LEGEND:	DLN – NICHE, DL – CLAMPING, CM – CLEAR MATTE, F – FLAT, R – ROUND, BM – BLACK MATTE, SW – SATIN WHITE, B – BLACK, COVE-F – COVE FIXED, (RGBW) – ALL CHANNELS ON, COVE-OD – COVE OUTDOOR, (R) – RED, (G) – GREEN, INF – INFINITY 380 V DC, ELV – 48 V DC, (B) – BLUE, (W) – WHITE

ANGULAR DISTRIBUTION AT C0/180

ANGULAR DISTRIBUTION AT C90/270



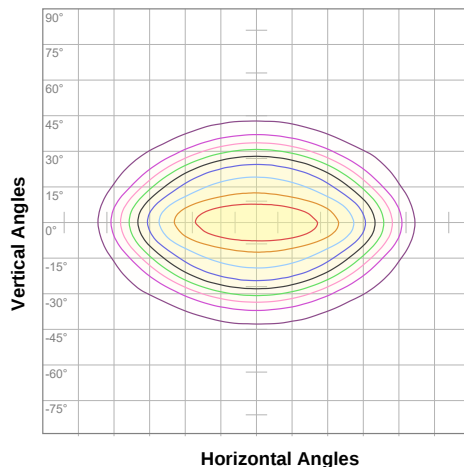
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	461 lm
EFFICACY:	99 lm/W
PEAK INTENSITY:	283 cd
COLOR RENDERING INDEX (CRI):	82.0
COLOR TEMPERATURE (CCT):	3120K
FIDELITY INDEX (TM30Rf):	84.5
GAMUT INDEX (TM30Rg):	95.7

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	62.2°
BEAM ANGLE (FWHM) C90/270:	110.5°
FIELD ANGLE (10%) C0/180:	123.9°
FIELD ANGLE (10%) C90/270:	148.2°
NUMBER OF PLANES MEASURED:	36

ISOCANDELA DIAGRAM

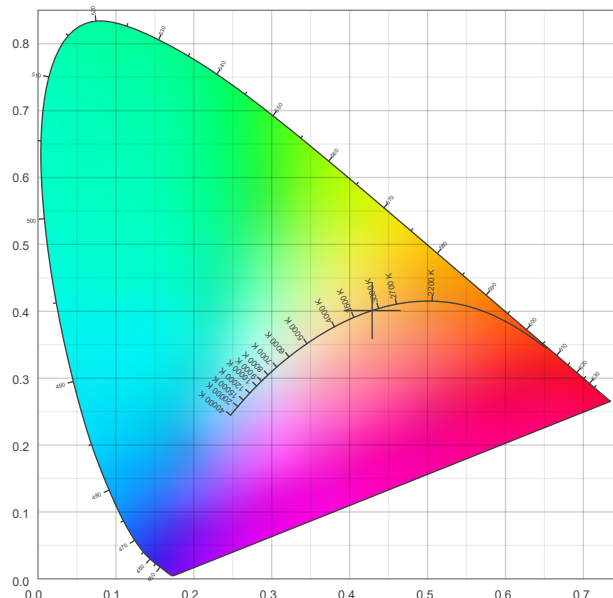


10%	28 cd
20%	56 cd
30%	84 cd
40%	112 cd
50%	140 cd
60%	168 cd
70%	196 cd
80%	224 cd
90%	252 cd

POWER OUTPUT DATA

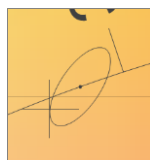
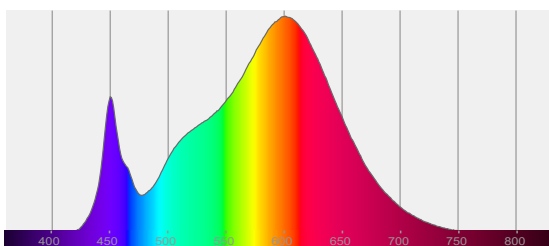
INPUT POWER:	4.7 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.012 A
POWER FACTOR:	1.0
OPTICAL POWER:	1.37 mW
PEAK WAVELENGTH:	601 nm
DOMINANT WAVELENGTH:	583 nm

CIE 1931



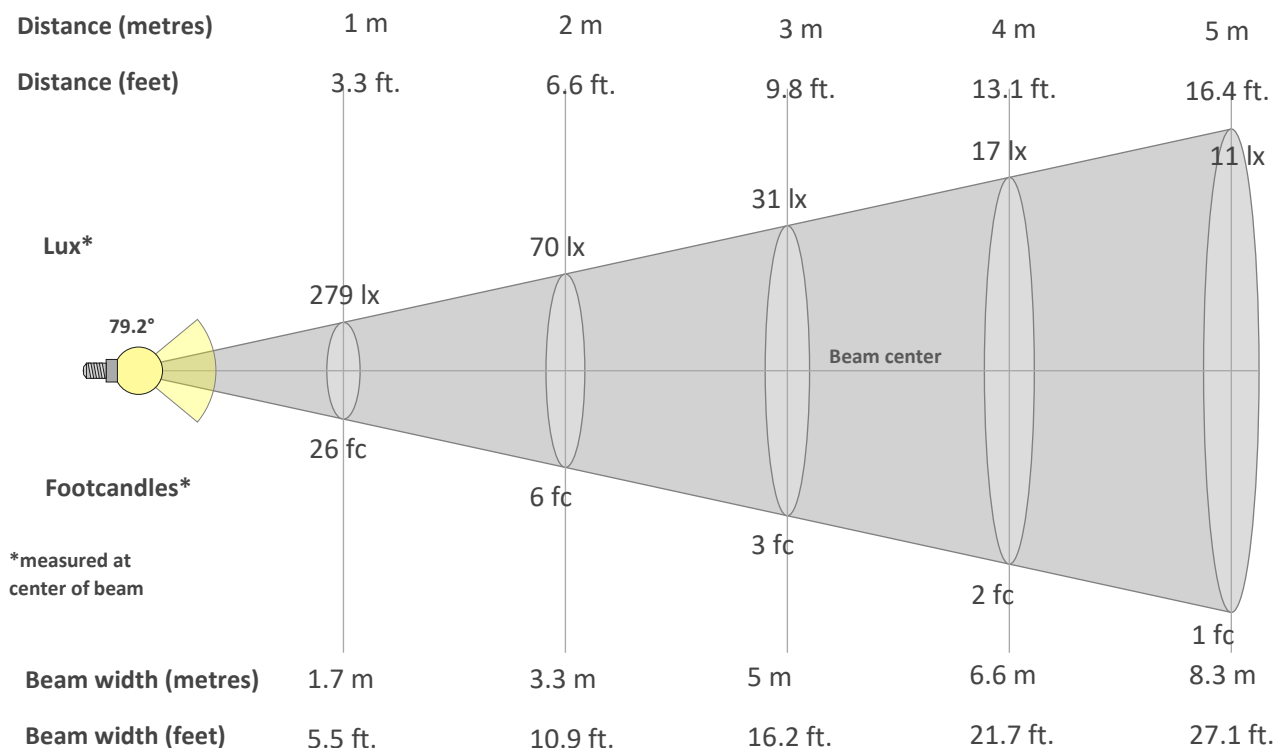
SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.429
y: 0.401
u: 0.247
v: 0.346
 Δuv : 0.0001

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
279lx	70lx	31lx	17lx	11lx	8lx	6lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
26fc	6.5fc	2.9fc	1.6fc	1fc	0.7fc	0.5fc	0.4fc	0.3fc	0.3fc	0.2fc	0.2fc	0.2fc	0.1fc	0.1fc	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°
279	269	243	219	200	180	148	104	63	37	23	26	34	18	13	10	8	4	2	1
100%	96%	87%	78%	72%	64%	53%	37%	23%	13%	8%	9%	12%	7%	5%	4%	3%	1%	1%	1%

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°
279	282	279	274	268	259	248	234	218	198	173	143	109	75	46	25	12	4	0	0
100%	101%	100%	98%	96%	93%	89%	84%	78%	71%	62%	51%	39%	27%	16%	9%	4%	2%	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°
279	269	243	219	200	180	148	104	63	37	23	26	34	18	13	10	8	4	2	1
100%	96%	87%	78%	72%	64%	53%	37%	23%	13%	8%	9%	12%	7%	5%	4%	3%	1%	1%	1%

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°
279	282	279	274	268	259	248	234	218	198	173	143	109	75	46	25	12	4	0	0
100%	101%	100%	98%	96%	93%	89%	84%	78%	71%	62%	51%	39%	27%	16%	9%	4%	2%	0%	0%