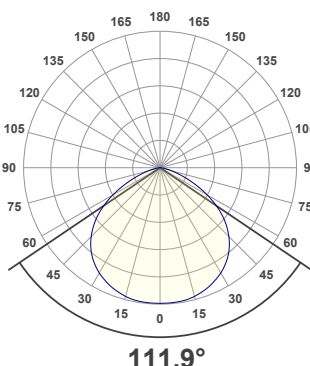
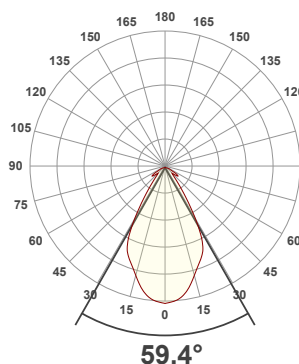


PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2023.Dec.15-2190-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



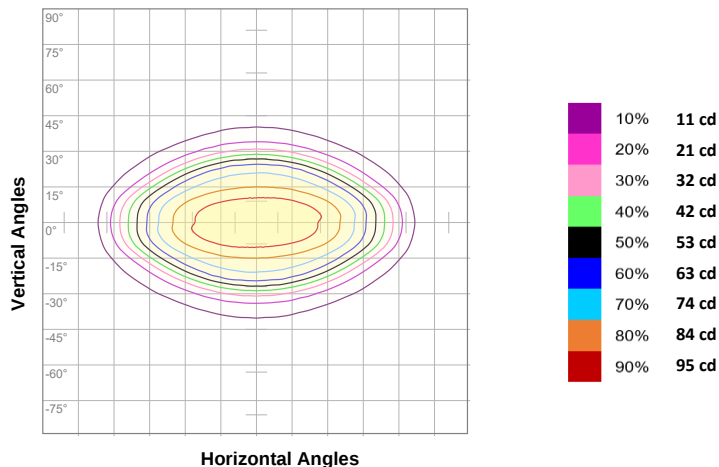
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	171 lm
EFFICACY:	37 lm/W
PEAK INTENSITY:	107 cd
COLOR RENDERING INDEX (CRI):	0.0
COLOR TEMPERATURE (CCT):	0K
FIDELITY INDEX (TM30Rf):	0.0
GAMUT INDEX (TM30Rg):	0.0

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	59.4°
BEAM ANGLE (FWHM) C90/270:	111.9°
FIELD ANGLE (10%) C0/180:	120.9°
FIELD ANGLE (10%) C90/270:	148.3°
NUMBER OF PLANES MEASURED:	36

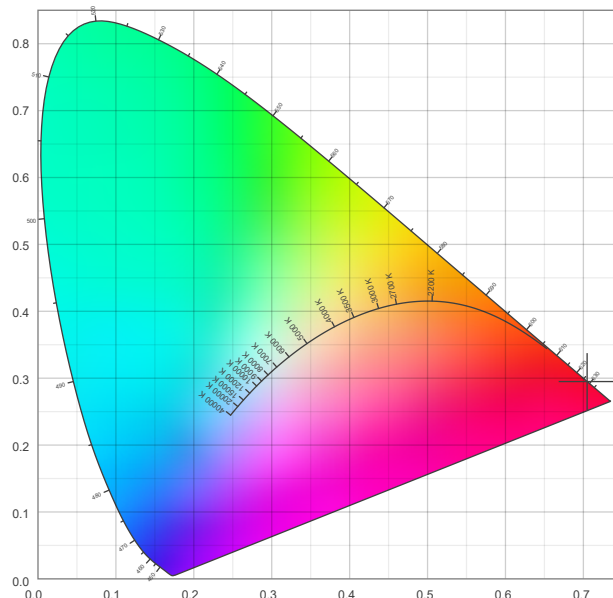
ISOCANDELA DIAGRAM



POWER OUTPUT DATA

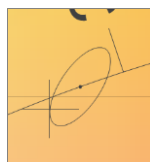
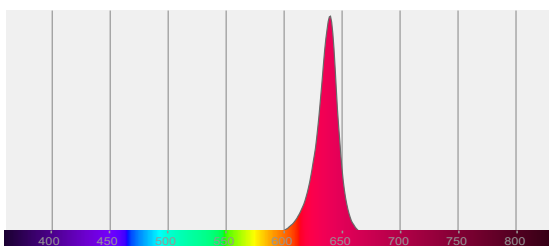
INPUT POWER:	4.6 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.012 A
POWER FACTOR:	1.0
OPTICAL POWER:	1.12 mW
PEAK WAVELENGTH:	640 nm
DOMINANT WAVELENGTH:	628 nm

CIE 1931



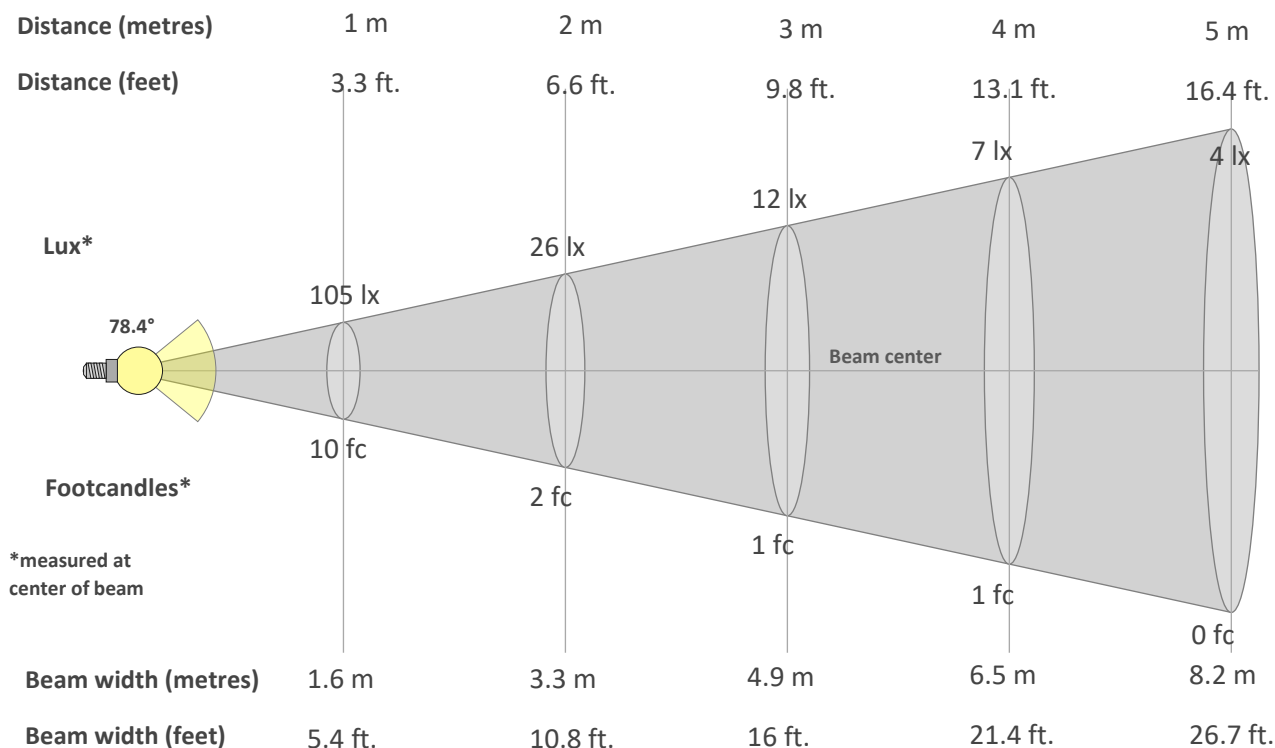
SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.705
y: 0.295
u: 0.550
v: 0.345
 Δuv :
n/a

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
105lx	26lx	12lx	7lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx
9.8fc	2.4fc	1.1fc	0.6fc	0.4fc	0.3fc	0.2fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0fc	0fc	0fc	0fc	0fc	0fc	0fc

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°
105	103	98	88	79	70	51	29	17	10	8	10	11	7	4	3	2	1	1	1
100%	98%	93%	83%	75%	67%	49%	28%	16%	10%	7%	10%	10%	6%	4%	3%	2%	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°
105	105	104	103	101	97	94	89	83	75	66	55	42	29	18	9	4	1	0	0
100%	99%	99%	98%	95%	93%	89%	84%	79%	71%	63%	52%	40%	28%	17%	9%	4%	1%	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°
105	103	98	88	79	70	51	29	17	10	8	10	11	7	4	3	2	1	1	1
100%	98%	93%	83%	75%	67%	49%	28%	16%	10%	7%	10%	10%	6%	4%	3%	2%	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°
105	105	104	103	101	97	94	89	83	75	66	55	42	29	18	9	4	1	0	0
100%	99%	99%	98%	95%	93%	89%	84%	79%	71%	63%	52%	40%	28%	17%	9%	4%	1%	0%	0%