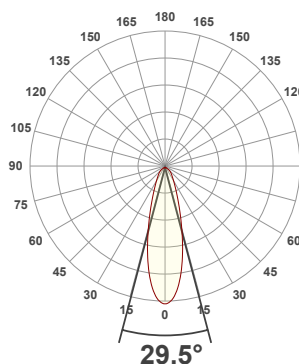


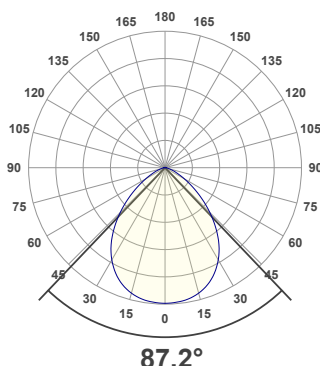
PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2024.Jan.03-2329-VO
DATE OF MEASUREMENT:	1/3/2024
MANUFACTURER:	GVA LIGHTING, INC.
PRODUCT NAME:	HIGHLIGHTER SERIES, HL-GEN4
SIZE (width x length x height):	23.3 mm x 300 mm x 42 mm
LOT:	GP-5-G/HR-4-L/RO-4-L/U73GY1
PROFILE LEGEND:	DLN – NICHE, DL – CLAMPING, CM – CLEAR MATTE, BM – BLACK MATTE, COVE-F – COVE FIXED, COVE-OD – COVE OUTDOOR, INF – INFINITY 380 V DC. ELV – 48 V DC.
	DLN – NICHE, DL – CLAMPING, F – FLAT, R – ROUND, SW – SATIN WHITE, B – BLACK, (RGBW) – ALL CHANNELS ON, (R) – RED, (G) – GREEN, (B) – BLUE, (W) – WHITE

ANGULAR DISTRIBUTION AT C0/180



ANGULAR DISTRIBUTION AT C90/270



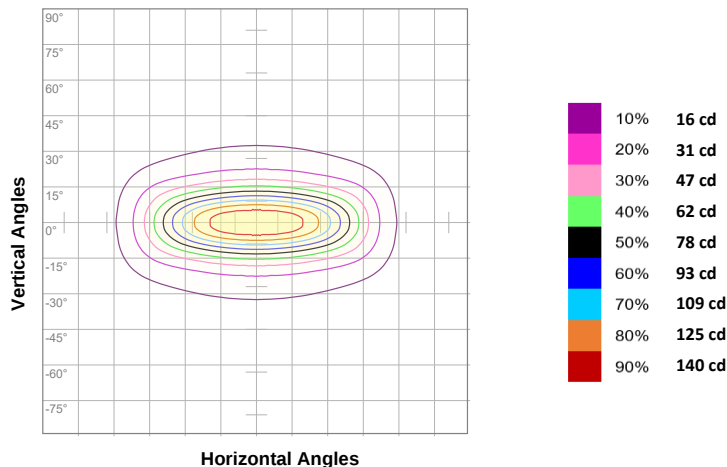
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	150 lm
EFFICACY:	32 lm/W
PEAK INTENSITY:	156 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:	29.5°
BEAM ANGLE (FWHM) C90/270:	87.2°
FIELD ANGLE (10%) C0/180:	72.2°
FIELD ANGLE (10%) C90/270:	131.4°
NUMBER OF PLANES MEASURED:	36

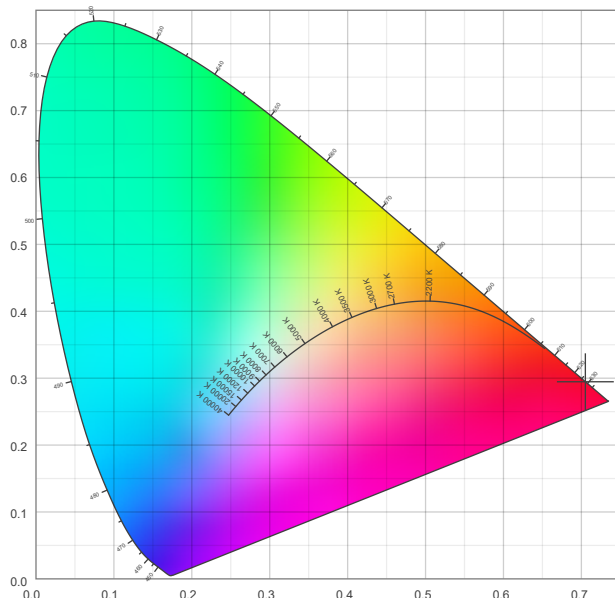
ISOCANDELA DIAGRAM



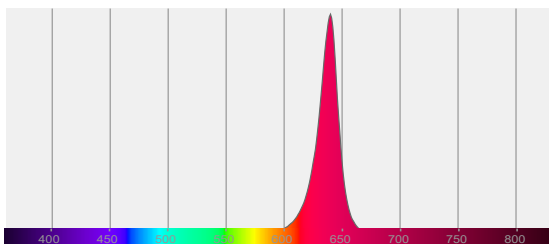
POWER OUTPUT DATA

INPUT POWER:	4.6 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.012 A
POWER FACTOR:	1.0
OPTICAL POWER:	0.998 mW
PEAK WAVELENGTH:	640 nm
DOMINANT WAVELENGTH:	628 nm

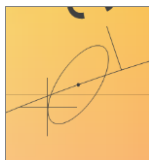
CIE 1931



SPECTRAL DISTRIBUTION

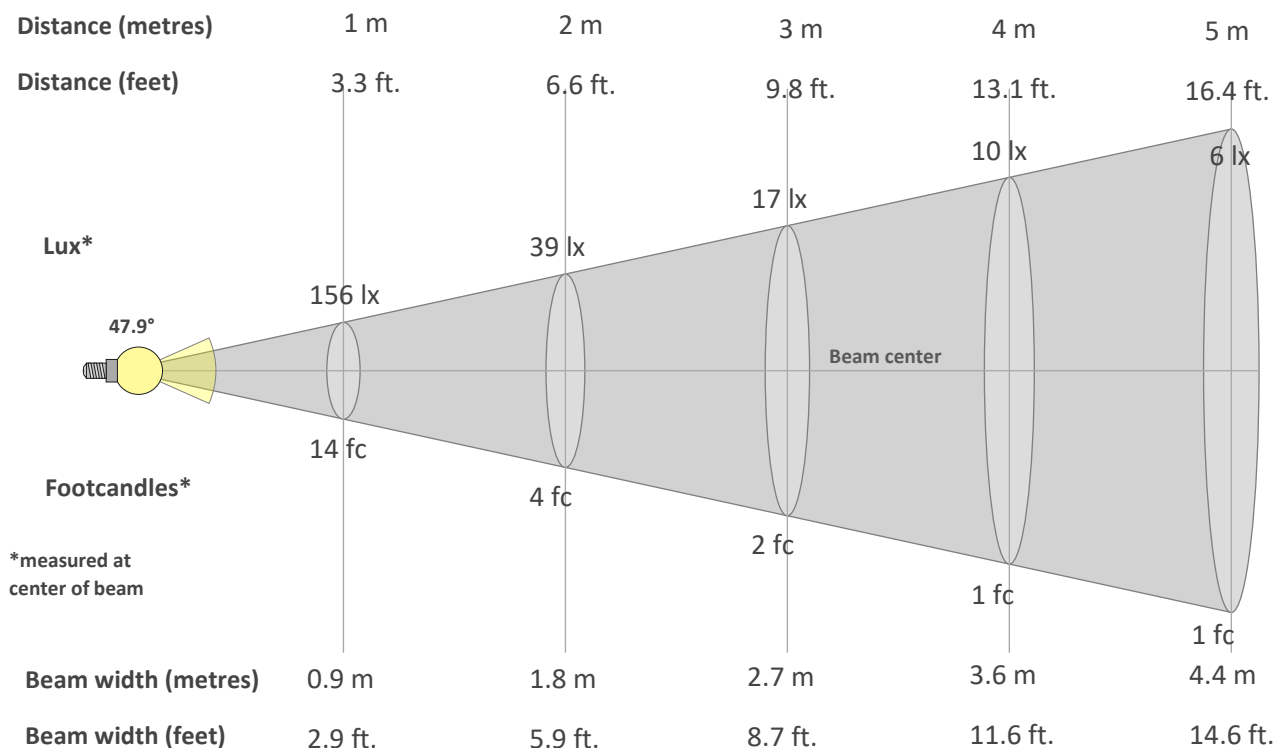


CIE 1931 ZOOM



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
156lx	39lx	17lx	10lx	6lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx
14.5fc	3.6fc	1.6fc	0.9fc	0.6fc	0.4fc	0.3fc	0.2fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0fc	0fc	0fc

Intensity in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
156	154	148	139	127	113	98	83	69	58	48	40	34	29	25	22	20	17	16	14
100%	99%	95%	89%	81%	72%	63%	53%	45%	37%	31%	26%	22%	19%	16%	14%	13%	11%	10%	9%

Intensity in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
156	156	155	155	154	153	152	150	148	146	143	140	136	132	127	122	117	111	105	98
100%	100%	100%	99%	99%	98%	97%	96%	95%	94%	92%	90%	87%	85%	82%	78%	75%	71%	67%	63%

Intensity in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
156	154	148	139	127	113	98	83	69	58	48	40	34	29	25	22	20	17	16	14
100%	99%	95%	89%	81%	72%	63%	53%	45%	37%	31%	26%	22%	19%	16%	14%	13%	11%	10%	9%

Intensity in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
156	156	155	155	154	153	152	150	148	146	143	140	136	132	127	122	117	111	105	98
100%	100%	100%	99%	99%	98%	97%	96%	95%	94%	92%	90%	87%	85%	82%	78%	75%	71%	67%	63%