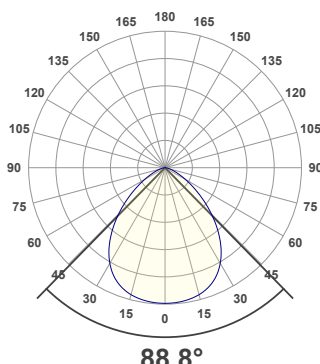
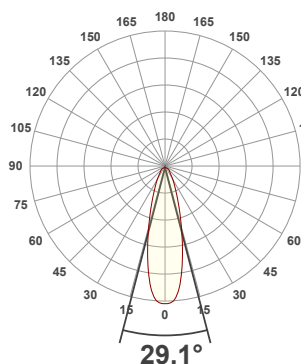


PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2023.Dec.21-2262-VO
DATE OF MEASUREMENT:	12/21/2023
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, 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



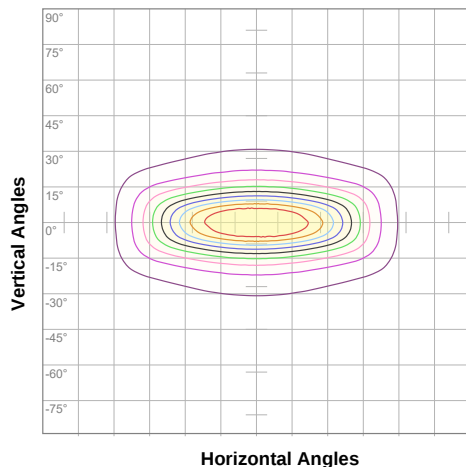
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	286 lm
EFFICACY:	56 lm/W
PEAK INTENSITY:	300 cd
COLOR RENDERING INDEX (CRI):	39.3
COLOR TEMPERATURE (CCT):	9320K
FIDELITY INDEX (TM30Rf):	0.0
GAMUT INDEX (TM30Rg):	n/a

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	29.1°
BEAM ANGLE (FWHM) C90/270:	88.8°
FIELD ANGLE (10%) C0/180:	68.5°
FIELD ANGLE (10%) C90/270:	132.1°
NUMBER OF PLANES MEASURED:	36

ISOCANDELA DIAGRAM

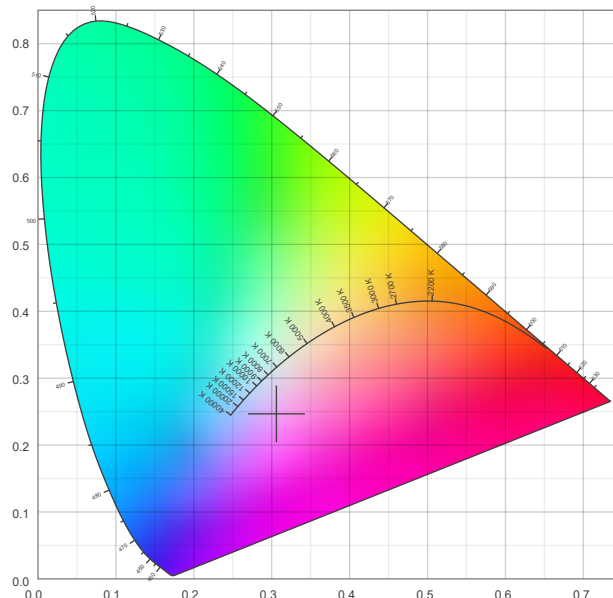


10%	30 cd
20%	60 cd
30%	89 cd
40%	119 cd
50%	149 cd
60%	179 cd
70%	209 cd
80%	238 cd
90%	268 cd

POWER OUTPUT DATA

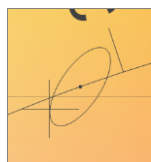
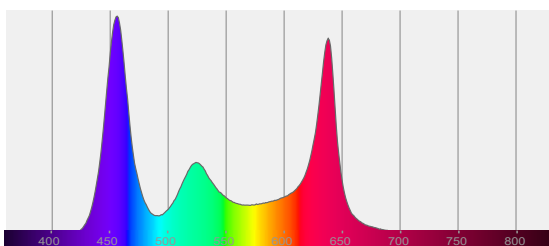
INPUT POWER:	5.1 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.013 A
POWER FACTOR:	1.0
OPTICAL POWER:	1.27 mW
PEAK WAVELENGTH:	456 nm
DOMINANT WAVELENGTH:	360 nm

CIE 1931



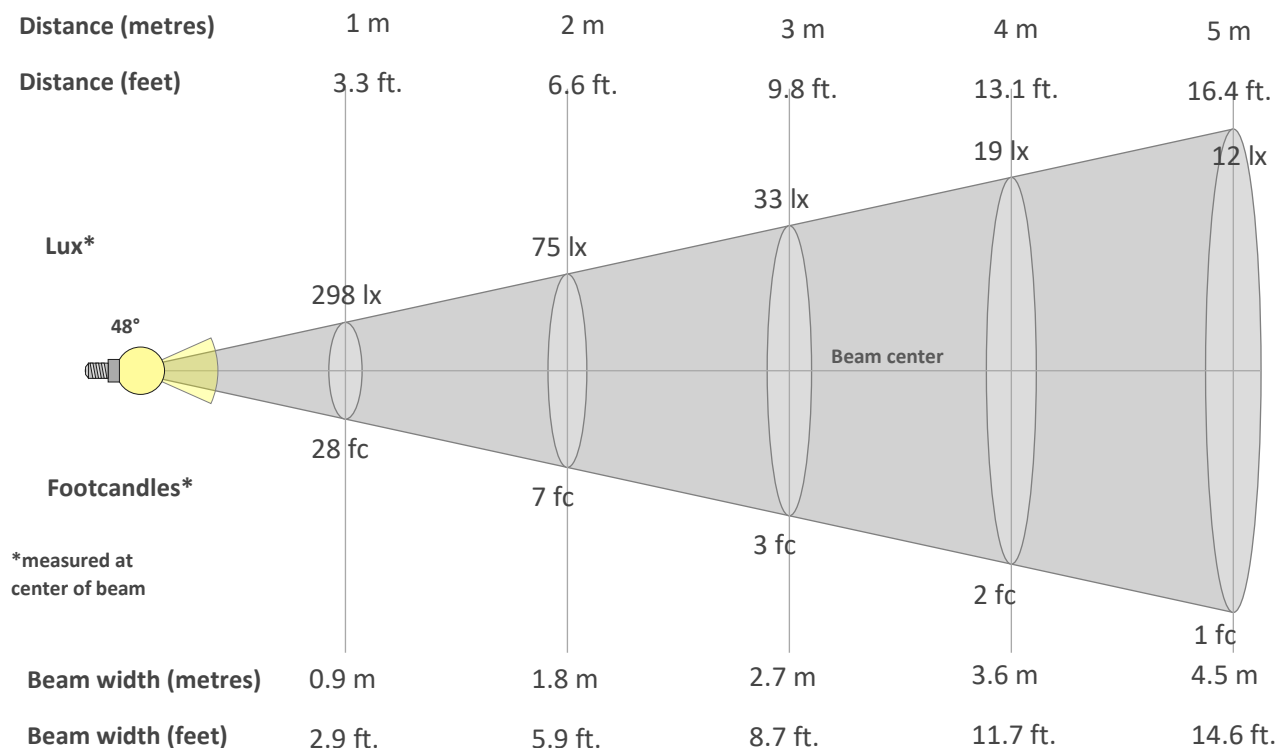
SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.306
y: 0.247
u: 0.229
v: 0.277
 Δuv : -0.0449

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
298lx	75lx	33lx	19lx	12lx	8lx	6lx	5lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
27.7fc	6.9fc	3.1fc	1.7fc	1.1fc	0.8fc	0.6fc	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°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
298	297	290	273	248	218	186	156	131	108	90	74	63	53	46	40	35	30	27	23
100%	100%	97%	92%	83%	73%	63%	53%	44%	36%	30%	25%	21%	18%	15%	13%	12%	10%	9%	8%

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°
298	299	299	298	297	296	294	291	289	285	280	275	269	262	253	243	233	221	209	195
100%	100%	100%	100%	100%	99%	99%	98%	97%	96%	94%	92%	90%	88%	85%	82%	78%	74%	70%	66%

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°
298	297	290	273	248	218	186	156	131	108	90	74	63	53	46	40	35	30	27	23
100%	100%	97%	92%	83%	73%	63%	53%	44%	36%	30%	25%	21%	18%	15%	13%	12%	10%	9%	8%

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°
298	299	299	298	297	296	294	291	289	285	280	275	269	262	253	243	233	221	209	195
100%	100%	100%	100%	100%	99%	99%	98%	97%	96%	94%	92%	90%	88%	85%	82%	78%	74%	70%	66%