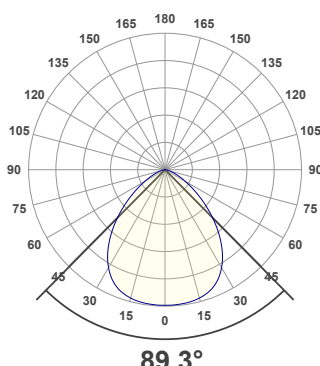
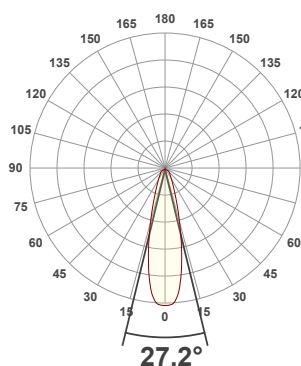


PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2023.Dec.21-2265-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, 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



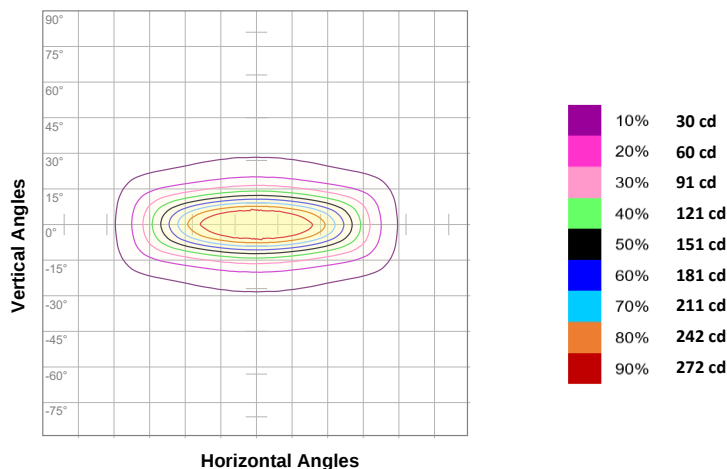
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	276 lm
EFFICACY:	58 lm/W
PEAK INTENSITY:	304 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:	27.2°
BEAM ANGLE (FWHM) C90/270:	89.3°
FIELD ANGLE (10%) C0/180:	63.1°
FIELD ANGLE (10%) C90/270:	131.9°
NUMBER OF PLANES MEASURED:	36

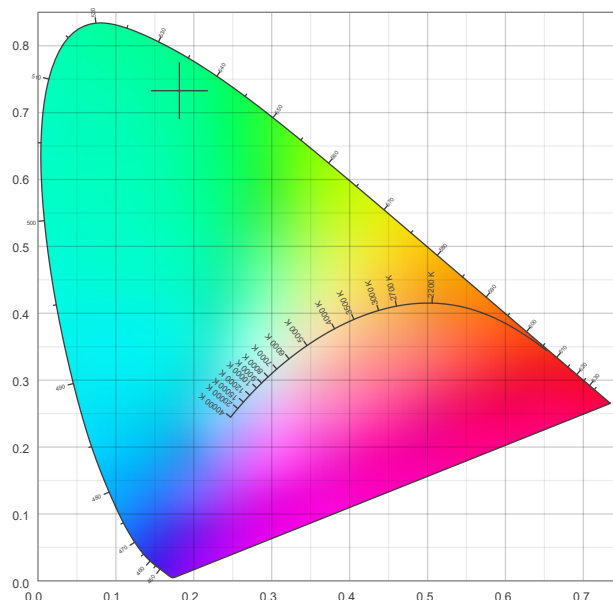
ISOCANDELA DIAGRAM



POWER OUTPUT DATA

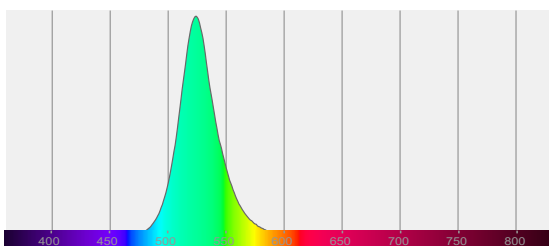
INPUT POWER:	4.8 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.013 A
POWER FACTOR:	1.0
OPTICAL POWER:	0.540 mW
PEAK WAVELENGTH:	524 nm
DOMINANT WAVELENGTH:	530 nm

CIE 1931



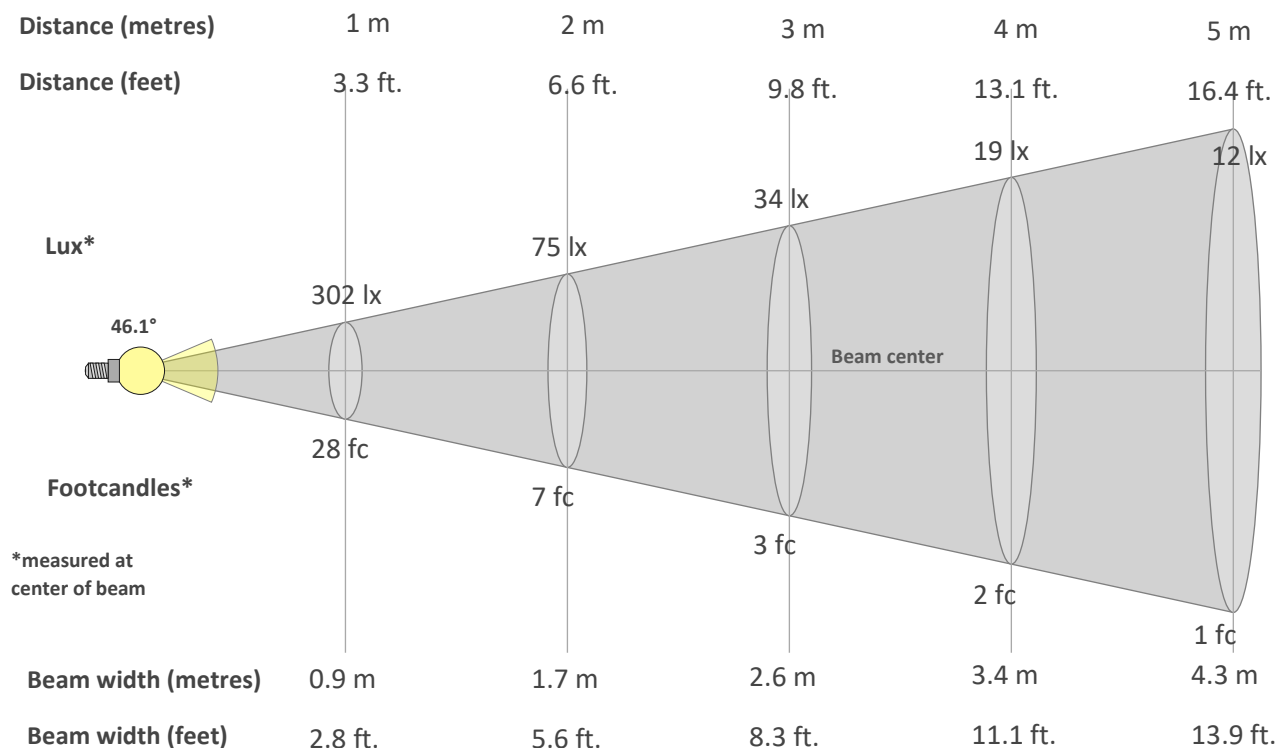
SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.181
y: 0.733
u: 0.064
v: 0.385
 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
302lx	75lx	34lx	19lx	12lx	8lx	6lx	5lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
28fc	7fc	3.1fc	1.8fc	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°
302	301	296	278	249	214	179	145	117	94	76	62	51	44	38	33	29	26	24	21
100%	100%	98%	92%	82%	71%	59%	48%	39%	31%	25%	21%	17%	15%	13%	11%	10%	9%	8%	7%

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°
302	304	304	303	303	302	301	299	296	294	290	285	279	272	263	253	242	230	217	202
100%	101%	101%	100%	100%	100%	100%	99%	98%	97%	96%	94%	92%	90%	87%	84%	80%	76%	72%	67%

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°
302	301	296	278	249	214	179	145	117	94	76	62	51	44	38	33	29	26	24	21
100%	100%	98%	92%	82%	71%	59%	48%	39%	31%	25%	21%	17%	15%	13%	11%	10%	9%	8%	7%

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°
302	304	304	303	303	302	301	299	296	294	290	285	279	272	263	253	242	230	217	202
100%	101%	101%	100%	100%	100%	100%	99%	98%	97%	96%	94%	92%	90%	87%	84%	80%	76%	72%	67%