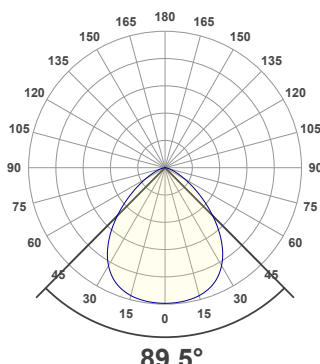
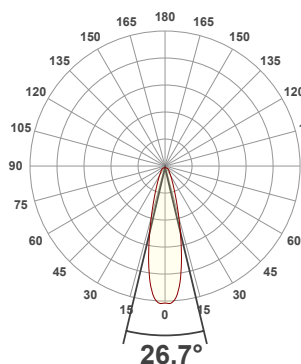


PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2023.Dec.21-2266-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



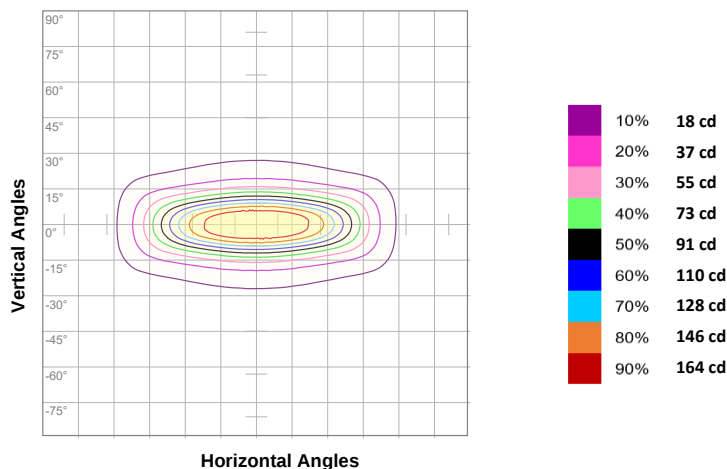
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	160 lm
EFFICACY:	35 lm/W
PEAK INTENSITY:	184 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:	26.7°
BEAM ANGLE (FWHM) C90/270:	89.5°
FIELD ANGLE (10%) C0/180:	60°
FIELD ANGLE (10%) C90/270:	130.7°
NUMBER OF PLANES MEASURED:	36

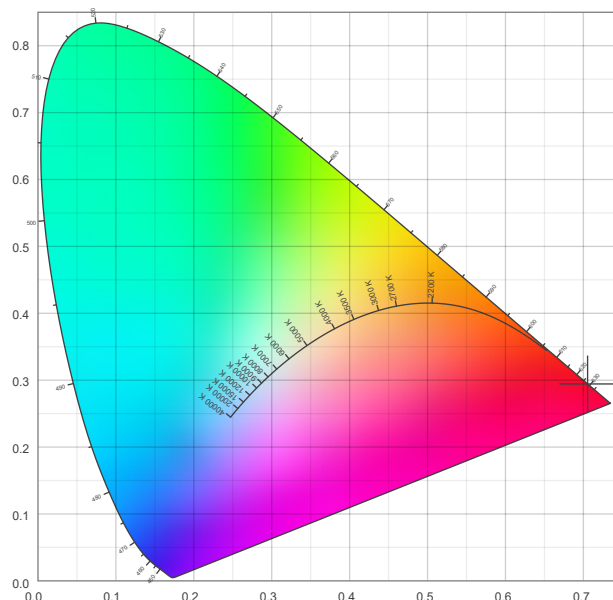
ISOCANDELA DIAGRAM



POWER OUTPUT DATA

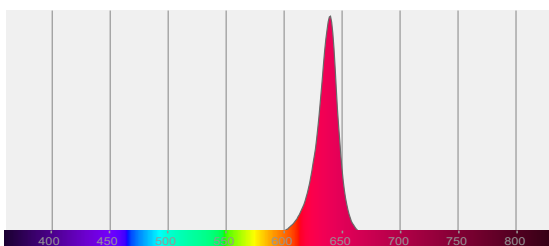
INPUT POWER:	4.6 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.012 A
POWER FACTOR:	1.0
OPTICAL POWER:	1.06 mW
PEAK WAVELENGTH:	640 nm
DOMINANT WAVELENGTH:	628 nm

CIE 1931



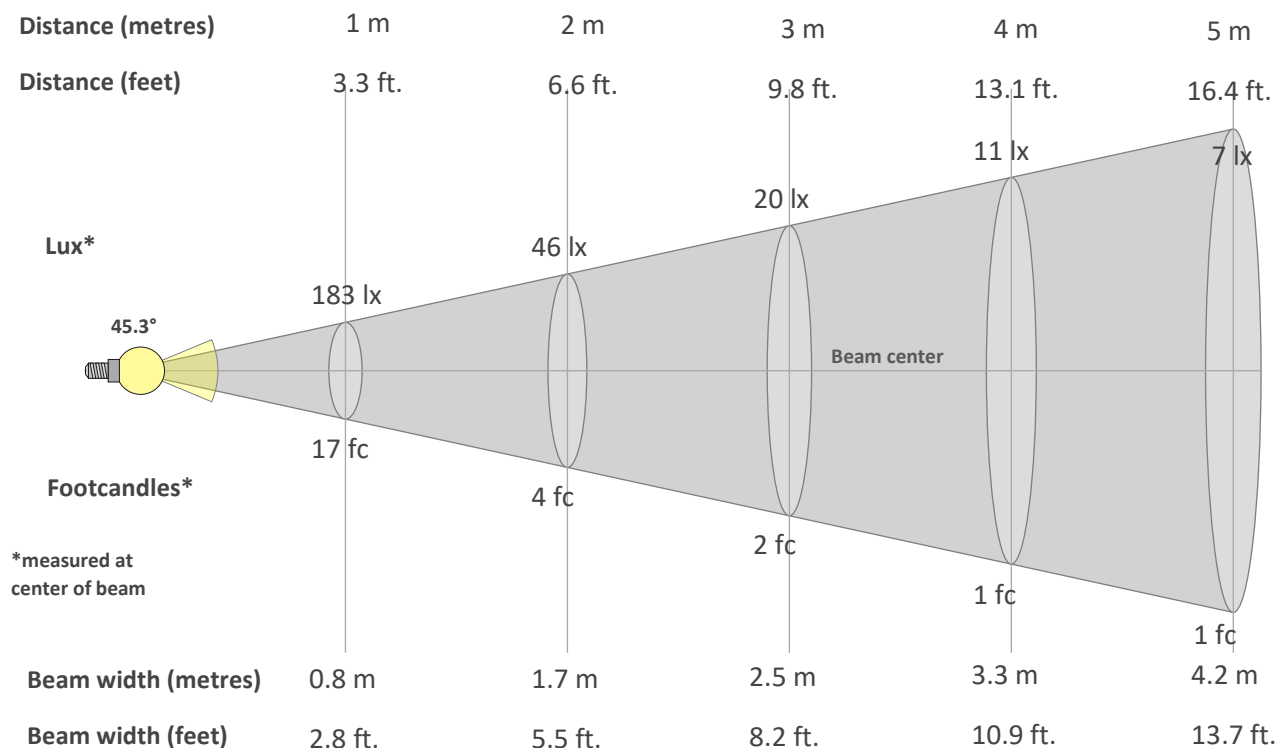
SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.705
y: 0.294
u: 0.551
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
183lx	46lx	20lx	11lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx
17fc	4.2fc	1.9fc	1.1fc	0.7fc	0.5fc	0.3fc	0.3fc	0.2fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	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°
183	182	177	167	150	128	105	85	67	53	43	35	29	24	21	18	16	14	13	11
100%	100%	97%	91%	82%	70%	58%	46%	37%	29%	23%	19%	16%	13%	11%	10%	9%	8%	7%	6%

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°
183	180	180	180	179	179	178	177	175	173	171	168	165	161	156	150	144	137	129	121
100%	99%	99%	99%	98%	98%	97%	97%	96%	95%	94%	92%	90%	88%	85%	82%	79%	75%	71%	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°
183	182	177	167	150	128	105	85	67	53	43	35	29	24	21	18	16	14	13	11
100%	100%	97%	91%	82%	70%	58%	46%	37%	29%	23%	19%	16%	13%	11%	10%	9%	8%	7%	6%

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°
183	180	180	180	179	179	178	177	175	173	171	168	165	161	156	150	144	137	129	121
100%	99%	99%	99%	98%	98%	97%	97%	96%	95%	94%	92%	90%	88%	85%	82%	79%	75%	71%	66%