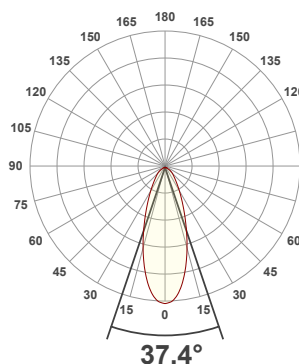


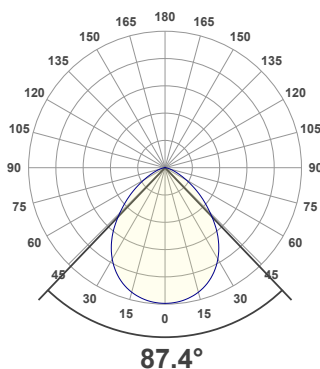
PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2024.Jan.03-2316-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, 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



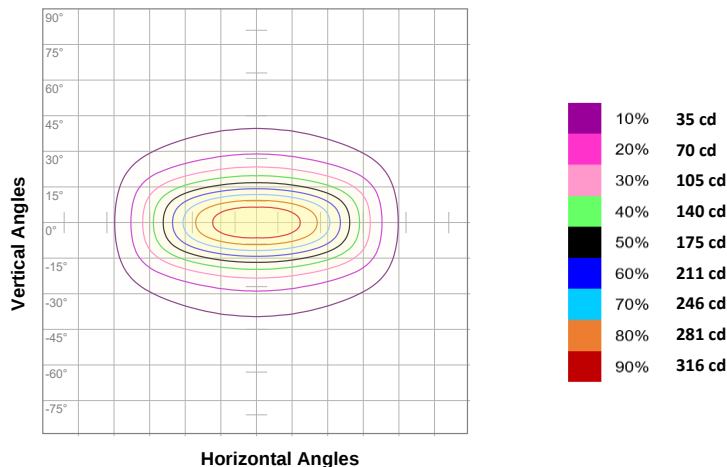
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	407 lm
EFFICACY:	87 lm/W
PEAK INTENSITY:	352 cd
COLOR RENDERING INDEX (CRI):	81.9
COLOR TEMPERATURE (CCT):	3120K
FIDELITY INDEX (TM30Rf):	84.2
GAMUT INDEX (TM30Rg):	95.9

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	37.4°
BEAM ANGLE (FWHM) C90/270:	87.4°
FIELD ANGLE (10%) C0/180:	88.3°
FIELD ANGLE (10%) C90/270:	132.8°
NUMBER OF PLANES MEASURED:	36

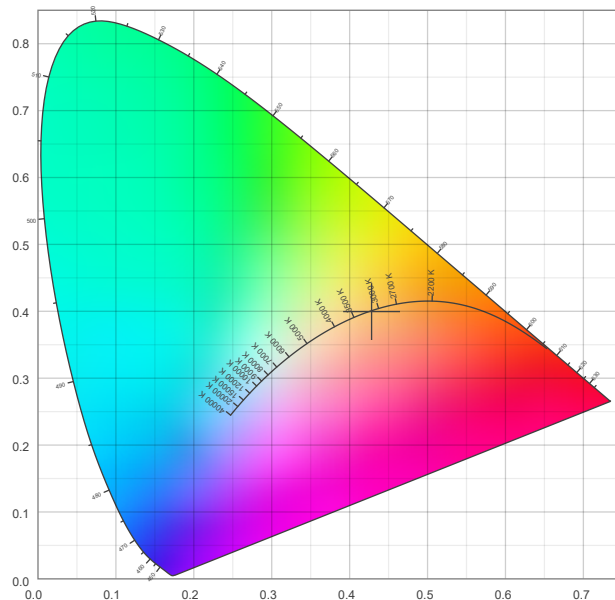
ISOCANDELA DIAGRAM



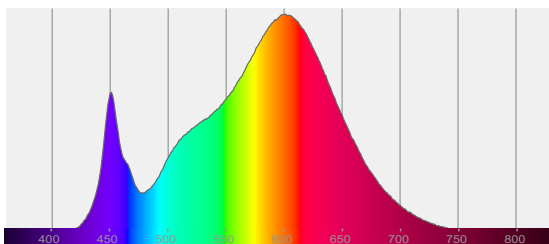
POWER OUTPUT DATA

INPUT POWER:	4.7 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.012 A
POWER FACTOR:	1.0
OPTICAL POWER:	1.21 mW
PEAK WAVELENGTH:	601 nm
DOMINANT WAVELENGTH:	583 nm

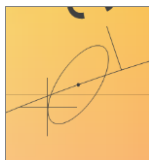
CIE 1931



SPECTRAL DISTRIBUTION

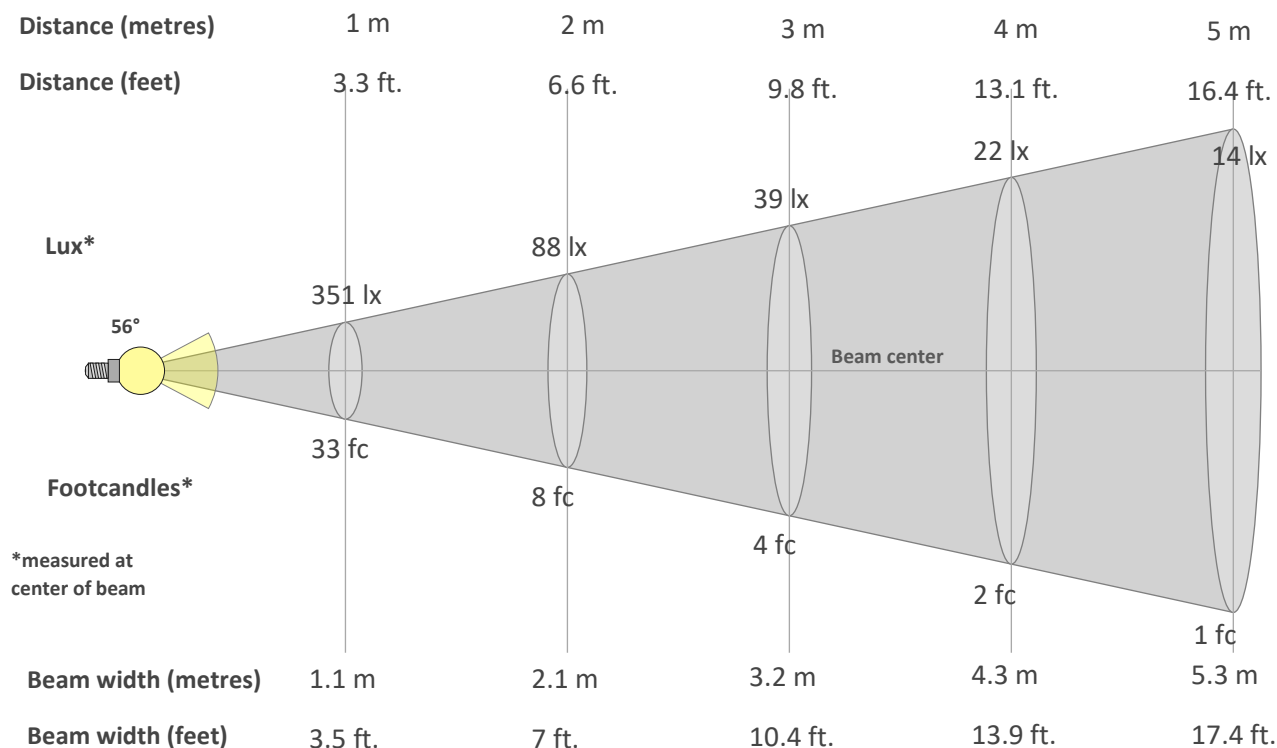


CIE 1931 ZOOM



x: 0.428
y: 0.400
u: 0.247
v: 0.346
 Δuv :
-0.0005

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
351lx	88lx	39lx	22lx	14lx	10lx	7lx	5lx	4lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
32.6fc	8.1fc	3.6fc	2fc	1.3fc	0.9fc	0.7fc	0.5fc	0.4fc	0.3fc	0.3fc	0.2fc	0.2fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc

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°
351	333	284	221	160	113	81	58	43	33	27	22	16	12	8	4	2	1	0	0
100%	95%	81%	63%	46%	32%	23%	17%	12%	10%	8%	6%	5%	3%	2%	1%	1%	0%	0%	0%

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°
351	348	342	332	317	297	272	241	205	165	128	94	63	40	24	13	6	2	0	0
100%	99%	97%	95%	90%	85%	78%	69%	58%	47%	36%	27%	18%	11%	7%	4%	2%	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°
351	333	284	221	160	113	81	58	43	33	27	22	16	12	8	4	2	1	0	0
100%	95%	81%	63%	46%	32%	23%	17%	12%	10%	8%	6%	5%	3%	2%	1%	1%	0%	0%	0%

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°
351	348	342	332	317	297	272	241	205	165	128	94	63	40	24	13	6	2	0	0
100%	99%	97%	95%	90%	85%	78%	69%	58%	47%	36%	27%	18%	11%	7%	4%	2%	1%	0%	0%