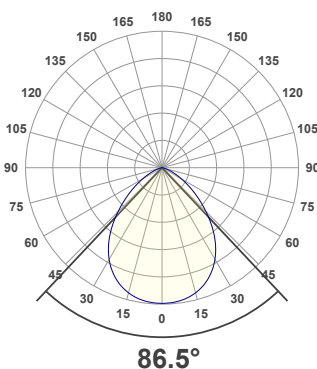
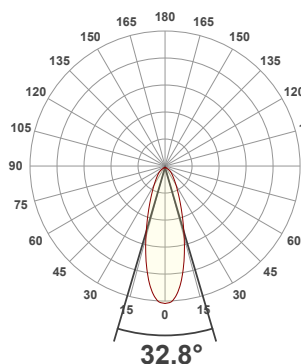


PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2024.Jan.03-2315-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



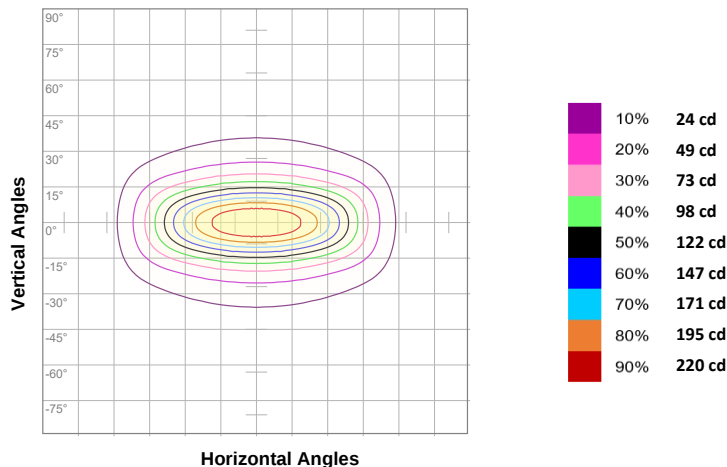
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	250 lm
EFFICACY:	49 lm/W
PEAK INTENSITY:	245 cd
COLOR RENDERING INDEX (CRI):	36.7
COLOR TEMPERATURE (CCT):	10216K
FIDELITY INDEX (TM30Rf):	0.0
GAMUT INDEX (TM30Rg):	n/a

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	32.8°
BEAM ANGLE (FWHM) C90/270:	86.5°
FIELD ANGLE (10%) C0/180:	79.6°
FIELD ANGLE (10%) C90/270:	130.4°
NUMBER OF PLANES MEASURED:	36

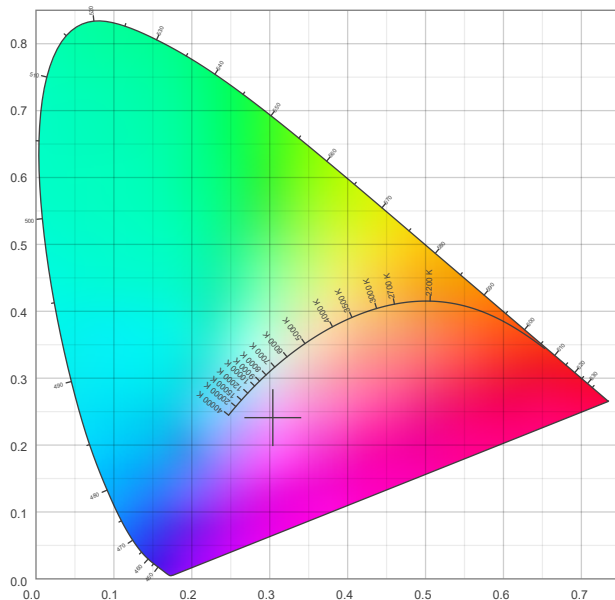
ISOCANDELA DIAGRAM



POWER OUTPUT DATA

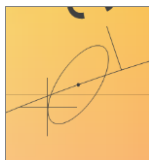
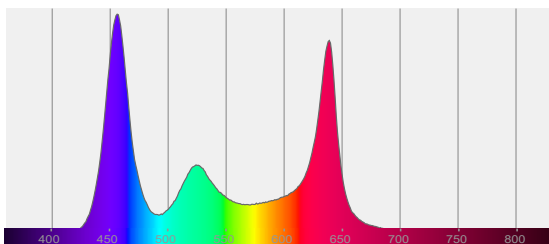
INPUT POWER:	5.1 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.013 A
POWER FACTOR:	1.0
OPTICAL POWER:	1.13 mW
PEAK WAVELENGTH:	456 nm
DOMINANT WAVELENGTH:	360 nm

CIE 1931



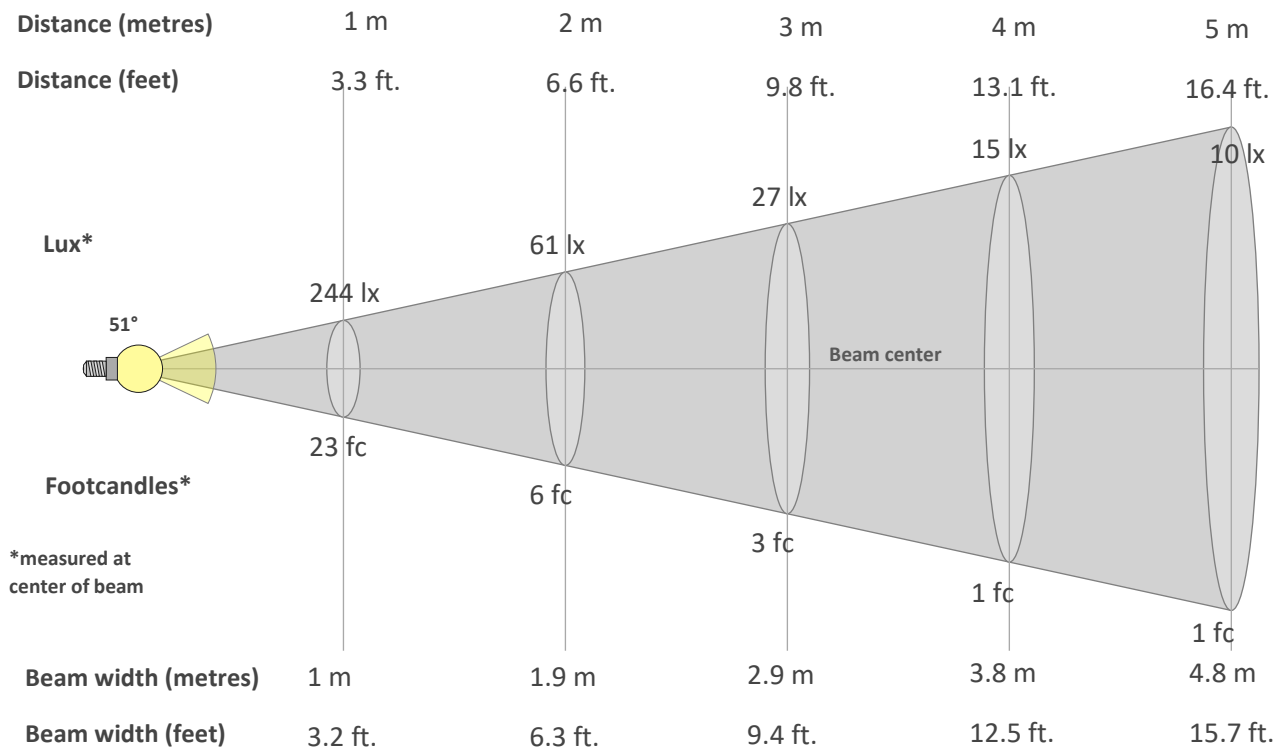
SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.304
y: 0.241
u: 0.230
v: 0.274
 Δu :
-0.0474

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
244lx	61lx	27lx	15lx	10lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
22.7fc	5.7fc	2.5fc	1.4fc	0.9fc	0.6fc	0.5fc	0.4fc	0.3fc	0.2fc	0.2fc	0.2fc	0.1fc	0.1fc	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°
244	230	187	135	91	62	44	32	24	19	15	12	8	5	3	1	0	0	0	0
100%	94%	77%	55%	37%	25%	18%	13%	10%	8%	6%	5%	3%	2%	1%	0%	0%	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°
244	241	238	232	221	207	189	166	140	111	84	60	40	25	14	7	2	0	0	0
100%	99%	97%	95%	91%	85%	77%	68%	57%	46%	35%	25%	17%	10%	6%	3%	1%	0%	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°
244	230	187	135	91	62	44	32	24	19	15	12	8	5	3	1	0	0	0	0
100%	94%	77%	55%	37%	25%	18%	13%	10%	8%	6%	5%	3%	2%	1%	0%	0%	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°
244	241	238	232	221	207	189	166	140	111	84	60	40	25	14	7	2	0	0	0
100%	99%	97%	95%	91%	85%	77%	68%	57%	46%	35%	25%	17%	10%	6%	3%	1%	0%	0%	0%