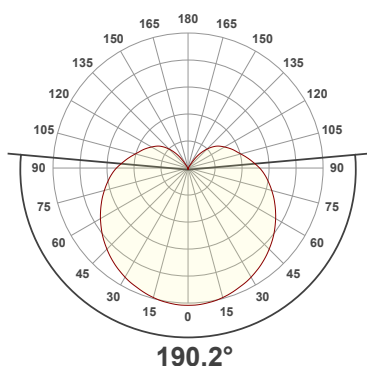




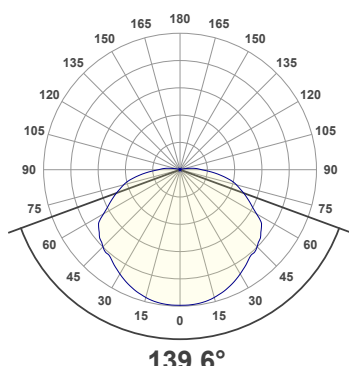
PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	VFR-230907-1389-MS
DATE OF MEASUREMENT:	9/7/2023
MANUFACTURER:	GVA LIGHTING, INC.
PRODUCT NAME:	HIGHLIGHTER SERIES, HL-GEN4
SIZE (width x length x height):	50 mm x 300 mm x 87 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



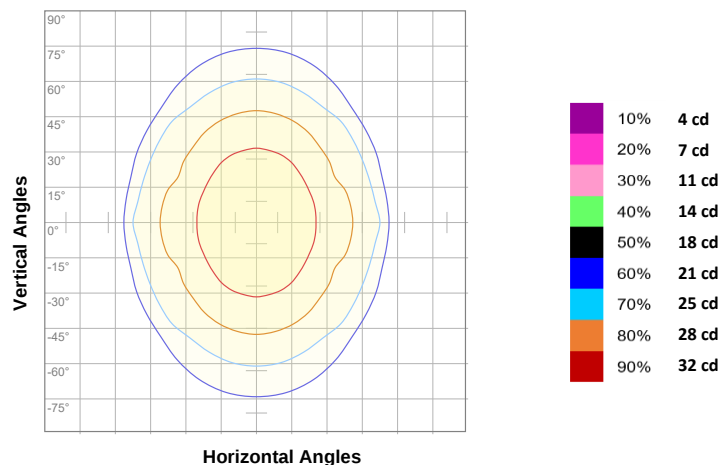
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	195 lm
EFFICACY:	42 lm/W
PEAK INTENSITY:	35.5 cd
COLOR RENDERING INDEX (CRI):	83.5
COLOR TEMPERATURE (CCT):	3074K
FIDELITY INDEX (TM30Rf):	85.1
GAMUT INDEX (TM30Rg):	97.0

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	190.2°
BEAM ANGLE (FWHM) C90/270:	139.6°
FIELD ANGLE (10%) C0/180:	295.2°
FIELD ANGLE (10%) C90/270:	191.7°
NUMBER OF PLANES MEASURED:	18

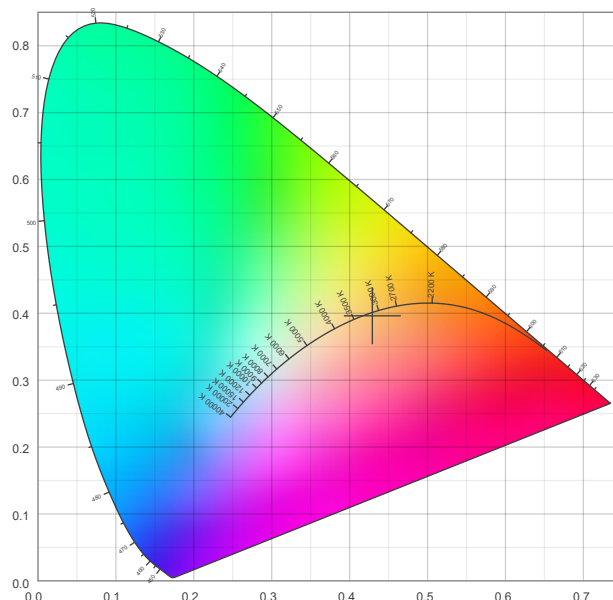
ISOCANDELA DIAGRAM



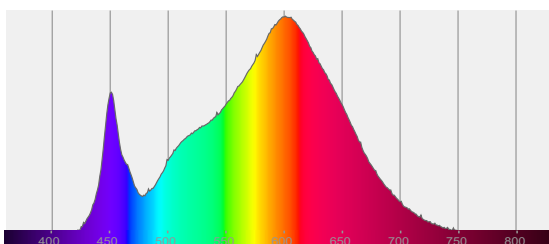
POWER OUTPUT DATA

INPUT POWER:	4.7 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.012 A
POWER FACTOR:	1.0
OPTICAL POWER:	0.599 mW
PEAK WAVELENGTH:	601 nm
DOMINANT WAVELENGTH:	584 nm

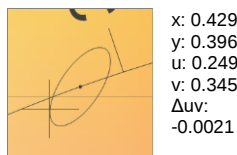
CIE 1931



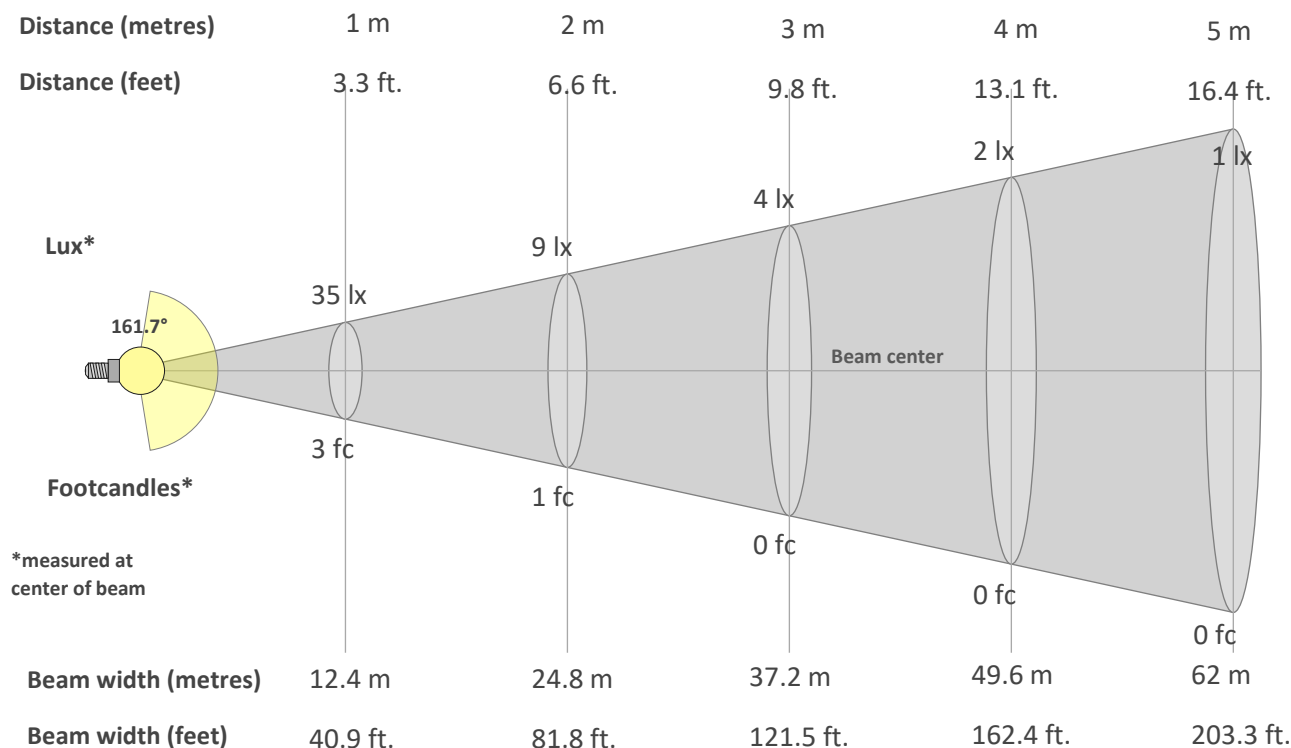
SPECTRAL DISTRIBUTION



CIE 1931 ZOOM



BEAM DETAILS



Beam intensity from 1-20m

[illegible]

Intensity in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
35.5	35.2	34.4	33.2	31.8	30.0	28.1	26.0	23.8	21.6	19.3	16.6	14.2	12.3	10.4	8.0	4.9	1.8	0.8	0.2
100%	99%	97%	94%	90%	85%	79%	73%	67%	61%	54%	47%	40%	35%	29%	23%	14%	5%	2%	1%

Intensity in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
35.5	35.2	34.1	32.2	29.9	28.5	26.2	21.2	16.6	11.6	5.6	2.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100%	99%	96%	91%	84%	80%	74%	60%	47%	33%	16%	6%	1%	0%	0%	0%	0%	0%	0%	0%

Intensity in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
35.5	35.2	34.4	33.2	31.8	30.0	28.1	26.0	23.8	21.6	19.3	16.6	14.2	12.3	10.4	8.0	4.9	1.8	0.8	0.2
100%	99%	97%	94%	90%	85%	79%	73%	67%	61%	54%	47%	40%	35%	29%	23%	14%	5%	2%	1%

Intensity in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
35.5	35.2	34.1	32.2	29.9	28.5	26.2	21.2	16.6	11.6	5.6	2.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100%	99%	96%	91%	84%	80%	74%	60%	47%	33%	16%	6%	1%	0%	0%	0%	0%	0%	0%	0%