Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4-INF-XXXXX-X (B)

Laboratory and Equipment

Test lab	Viso LabSpion - serial: 2007279764 sensor serial: 0690170290 - Test lab
Spectrometer Manufacturer and Model	LabSpion – Type C, horizontal
Measurement serial number	PH-GVA-2026.Mar.16-7337-VO
Measurement date	2026-03-16

Measurement Conditions

Tested c-planes	36 planes – 10.00°
Tested gamma resolution	0.15°
Input Power	0 W

Electrical Data

Input Power	0 W
Input Voltage	118.1 V DC
Input Current	0.00 A
Power Factor	NaN

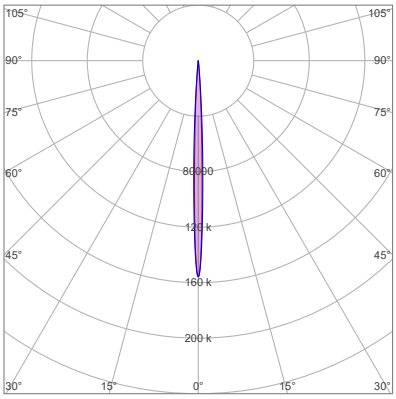
Tested Light Source

Product family	FL200-G2
Luminaire configuration	FL200-G2-XXX-RGBW3083-OM-4-INF-XXXXX-X (B)
Manufacturer	GVA Lighting, Inc.
Size (width x length x height)	106 mm 0 mm x 430 mm

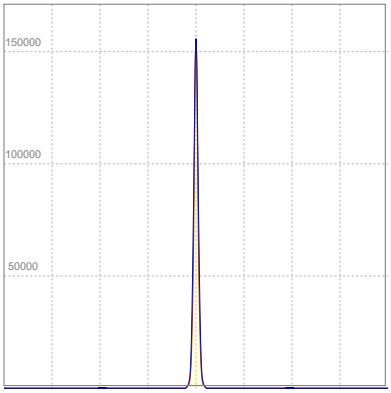
Main Light Measurement Results

Output – Total Lumen	1181 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	155561
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	4.0°
Beam Angle (FWHM) | C90/270	4.8°
Field Angle (10%) | C0/180	8.5°Unit: 0-100% of peak intensity
Optical Power	26319 mW
Peak Wavelength	455 nm
Dominant Wavelength	459 nm

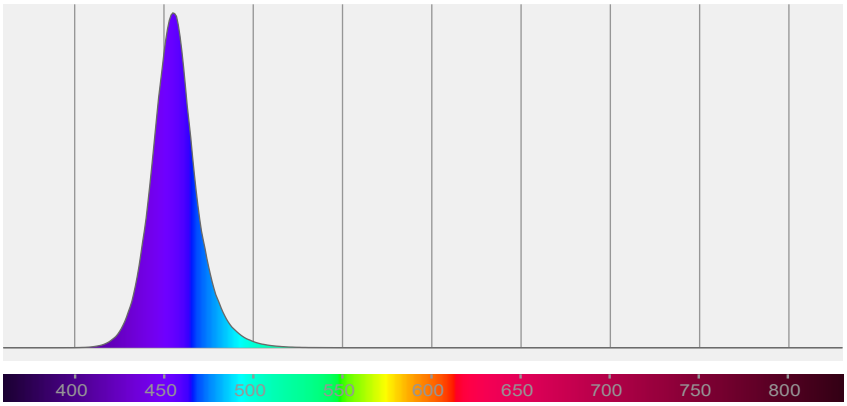
Polar Light Distribution Diagram
Unit: 0-100% of peak intensity



Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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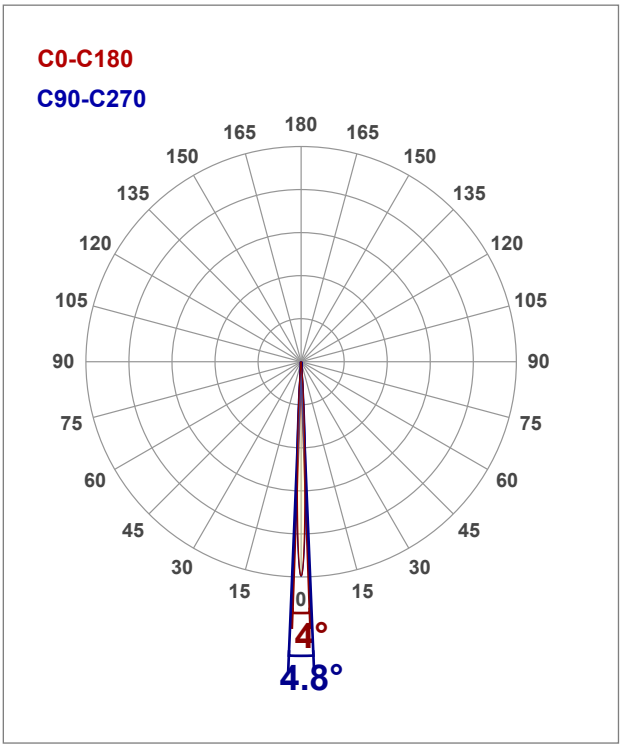
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	1181 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	155561 cd
Beam Angle (50%-FWHM)	4.1°

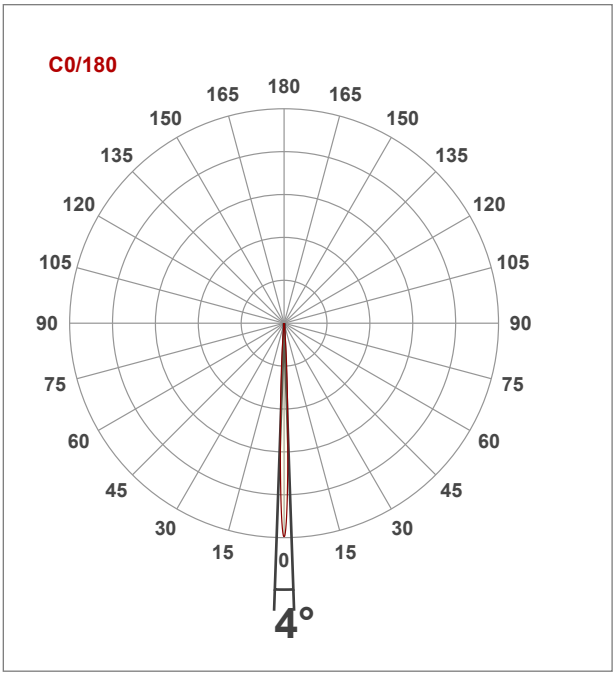
EU Ecodesign parameters

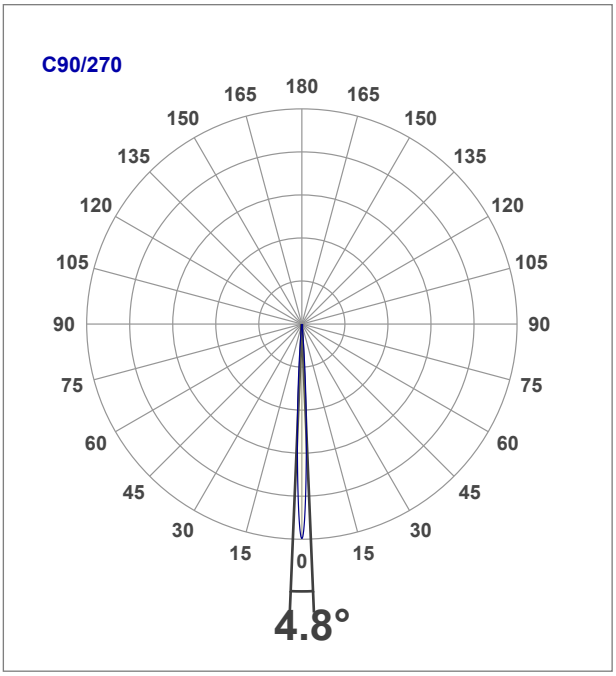
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	1181 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution





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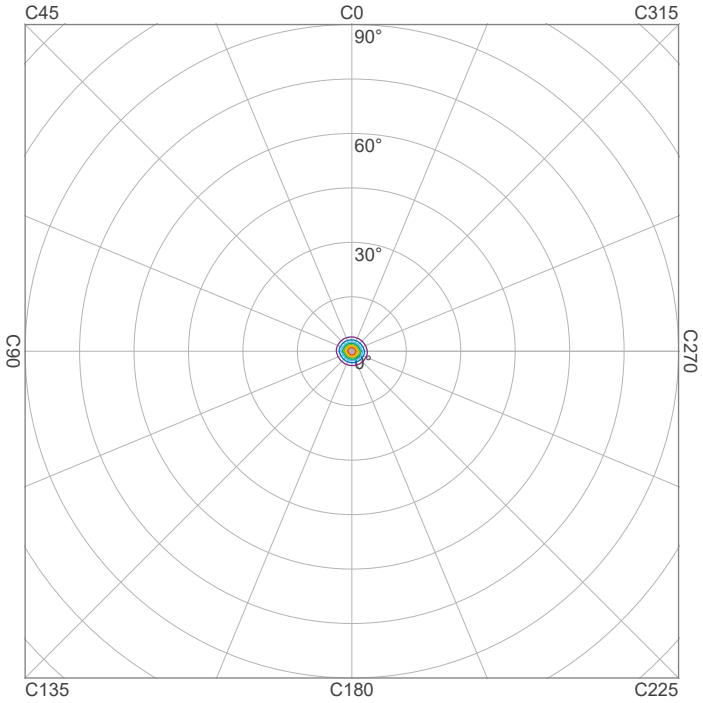
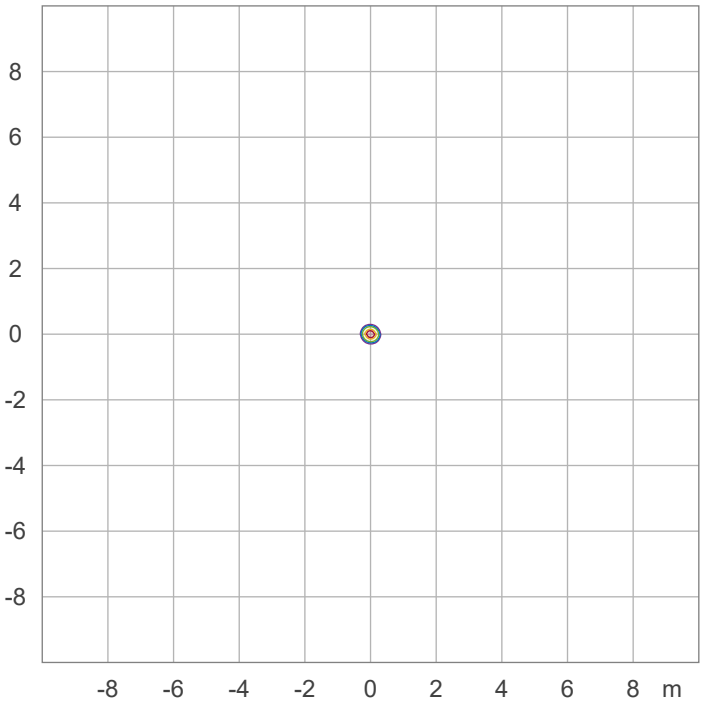
Iso-intensity Diagram (Iso-candela)



90 %	139823.3 cd
80 %	124287.4 cd
70 %	108751.4 cd
60 %	93215.5 cd
50 %	77679.6 cd
40 %	62143.7 cd
30 %	46607.8 cd
20 %	31071.8 cd
10 %	15535.9 cd

Peak intensity: 155359.2 cd
Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	8631 lx
30.0 %	5179 lx
10.0 %	1726 lx
5.0 %	863 lx
3.0 %	518 lx

Peak illuminance: 17262 lx
Mounting height: 3 m
Number of c-planes: 36

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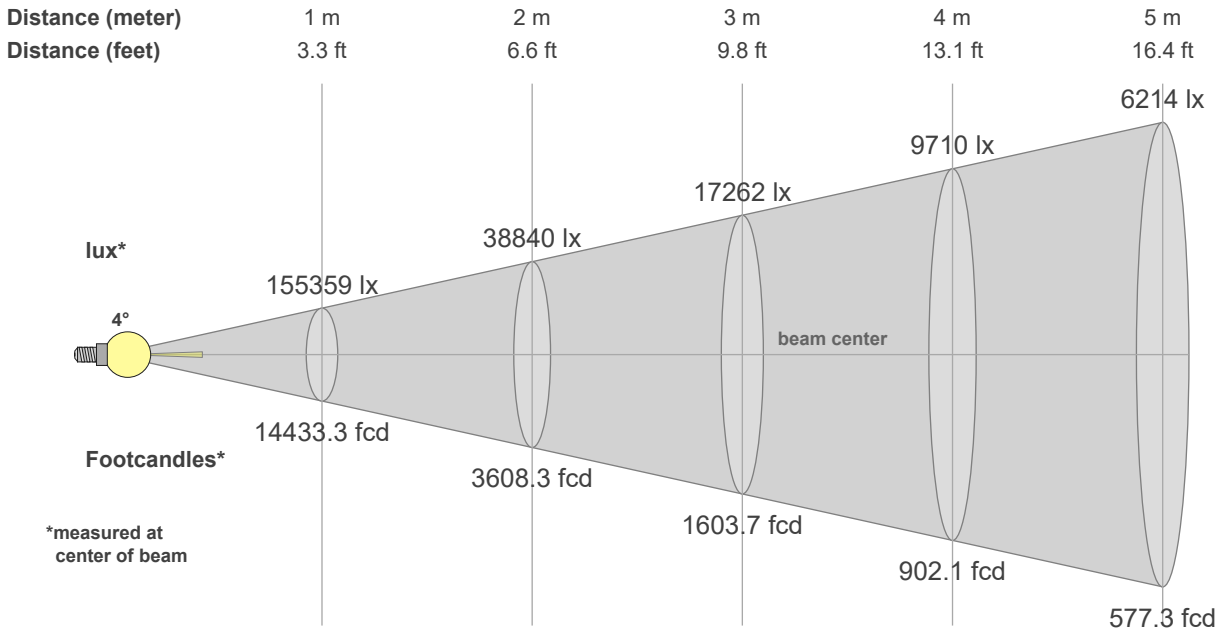
Beam details



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Intensity details

Beam intensities from 1 – 20 m

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
155359	38840	17262	9710	6214	4316	3171	2427	1918	1554	1284	1079	919	793	690	607	538	480	430	388	lux
14433.3	3608.3	1603.7	902.1	577.3	400.9	294.6	225.5	178.2	144.3	119.3	100.2	85.4	73.6	64.1	56.4	49.9	44.5	40	36.1	fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
155k	129k	77k	41k	20k	8k	3k	2k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	cd
100%	83%	50%	26%	13%	5%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
155k	135k	93k	56k	28k	11k	4k	2k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	cd
100%	87%	60%	36%	18%	7%	3%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
155k	129k	77k	41k	20k	8k	3k	2k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	cd
100%	83%	50%	26%	13%	5%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
155k	135k	93k	56k	28k	11k	4k	2k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	cd
100%	87%	60%	36%	18%	7%	3%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	of 0°val

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Power details

Input power	
Frequency of input power	60.0 Hz
Power feed to light source	0 W
RMS Input voltage feed V,RMS	118.1 V
RMS Input current feed I,RMS	0.00 A
Volt-Amp or apparent power = V,RMS*I,RMS	0.0 VA
Displacement factor of AC power feed	0.71
Power factor of AC current feed	NaN
Total harmonic distortion of the current	NaN%
Total harmonic distortion of the voltage	1.823%

Input power curve

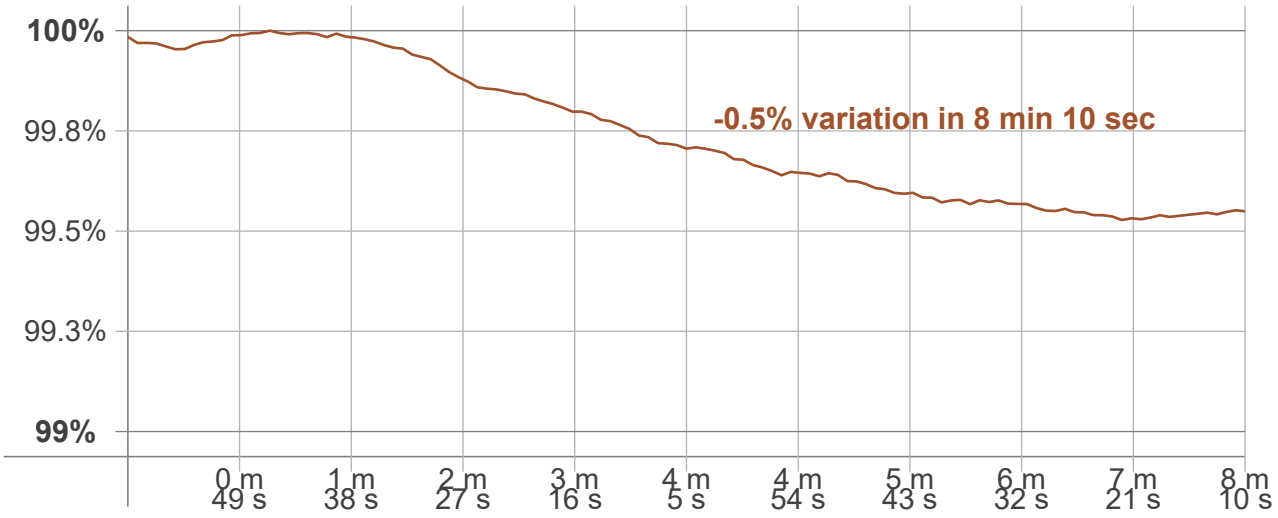
Efficiency

Radiated power efficiency	∞
Lumen efficiency	∞ lm/W

Stabilization details

Warmup Conditions		Color Temperature Change	
Stable period	15 min	CCT start	n/a
Stable change max	2%	CCT shift	n/a
Minimum time	15 min	CCT end	n/a
Warmup Result		**Output Change**	
Total warmup time	Not completed	Output start	1186 lm
Warmup variation	-0.5251%	Output change	-5.3043 lm
		Output end	1181 lm

Stabilization Curve



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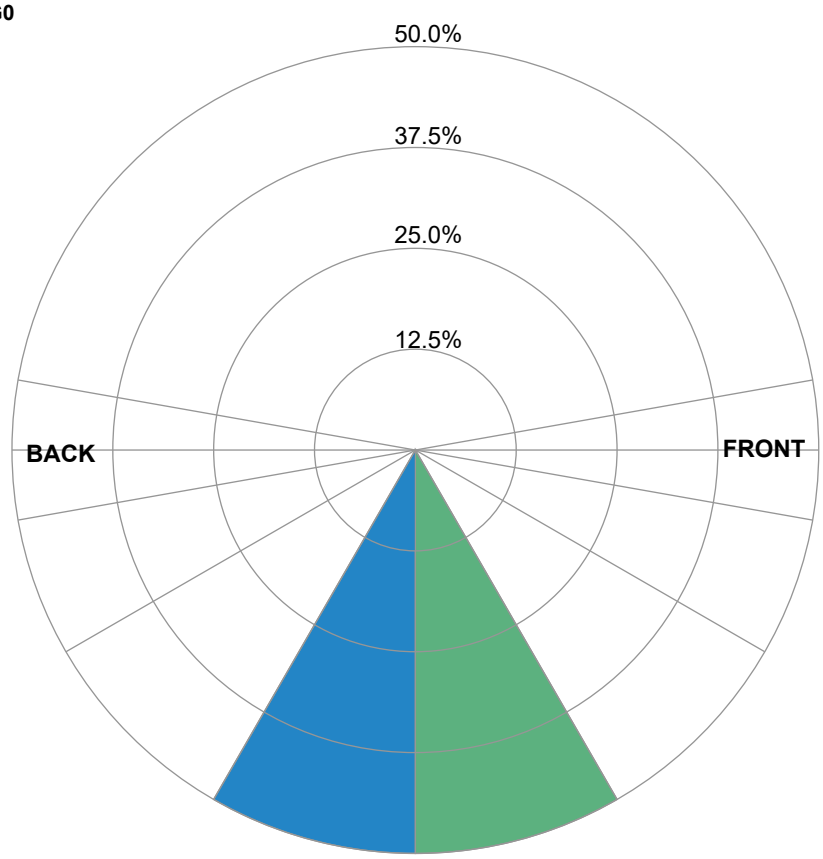
FL200-G2-XXX-RGBW3083-OM-4-INF-XXXXX-X (B)

IESNA TM-15-07 LUMINIARE CLASSIFICATION SYSTEM FOR OUTDOOR LUMINAIRES

Forward Light			
Low (0-30°)	591	lm	50.0%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	591	lm	50.0%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Uplight			
Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%
Total			
Sum	1181	lm	100%

BUG RATING B2 U0 G0