Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-7L-INF-XXXXX-X (ALL ON)

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.17-7374-VO
Measurement date	2026-03-17

Measurement Conditions

Tested c-planes	36 planes – 10.00°
Tested gamma resolution	0.30°
Input Power	0 W

Electrical Data

Input Power	0 W
Input Voltage	117.7 V DC
Input Current	0.00 A
Power Factor	NaN

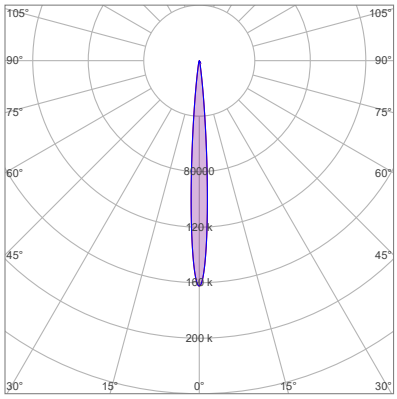
Tested Light Source

Product family	FL200-G2
Luminaire configuration	FL200-G2-XXX-RGBW3083-OM-7L-INF-XXXXX-X (ALL ON)
Manufacturer	GVA Lighting, Inc.
Size (width x length x height)	106 mm 0 mm x 430 mm

Main Light Measurement Results

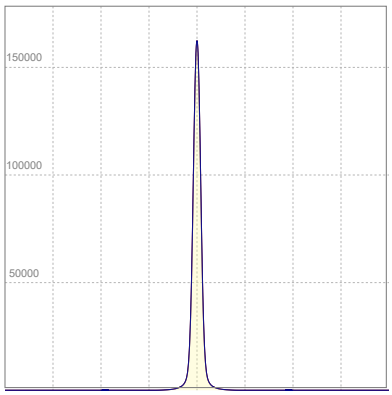
Output – Total Lumen	4376 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	162199
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	8.0°
Beam Angle (FWHM) | C90/270	8.0°
Field Angle (10%) | C0/180	14.9°Unit: 0-100% of peak intensity
Optical Power	22115 mW
Peak Wavelength	453 nm
Dominant Wavelength	557 nm

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

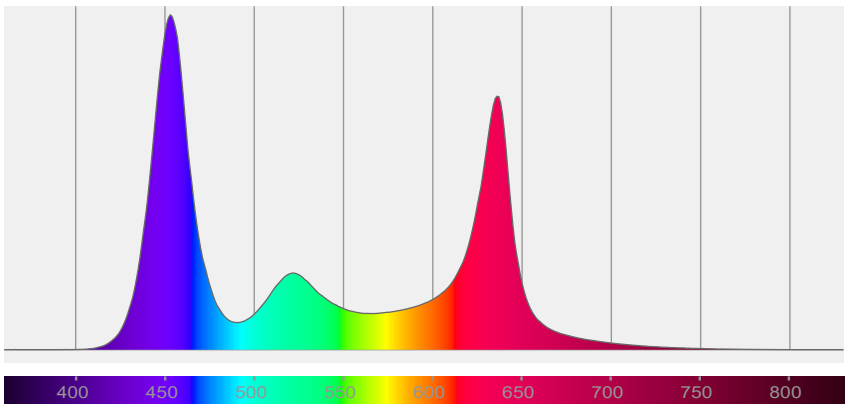


C0 - C180
C90 - C270
η = 100%

Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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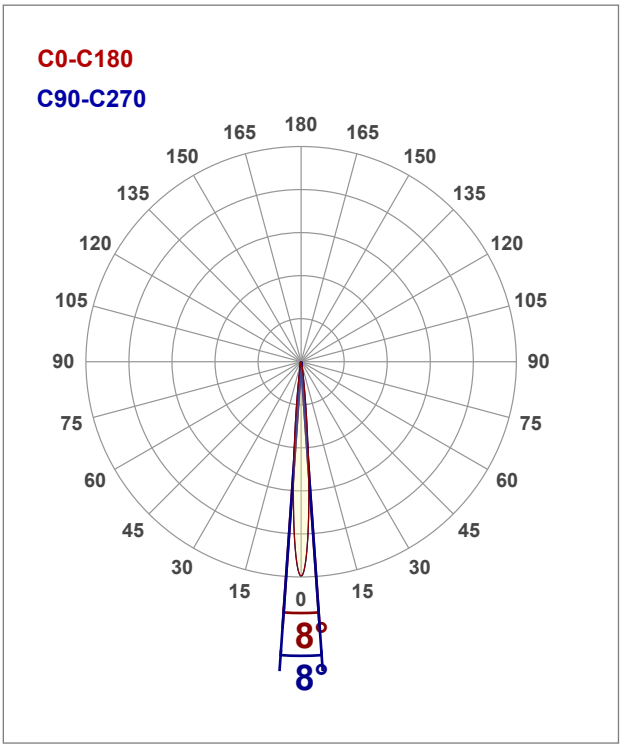
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	4376 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	162199 cd
Beam Angle (50%-FWHM)	8.0°

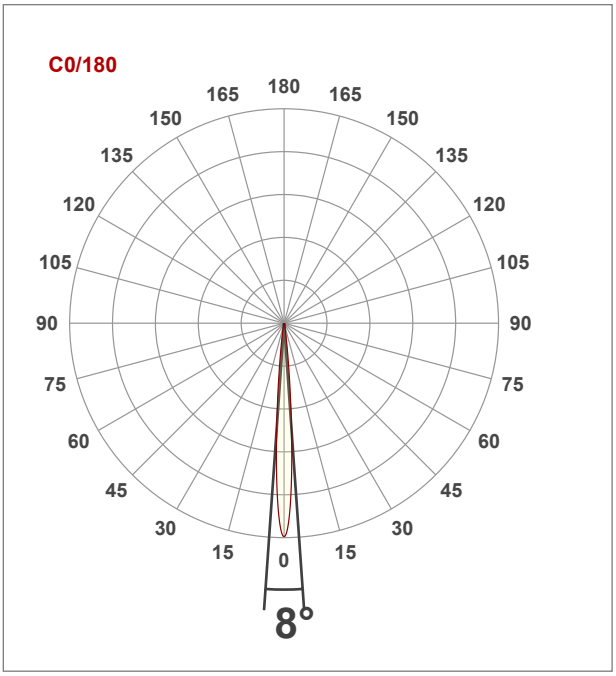
EU Ecodesign parameters

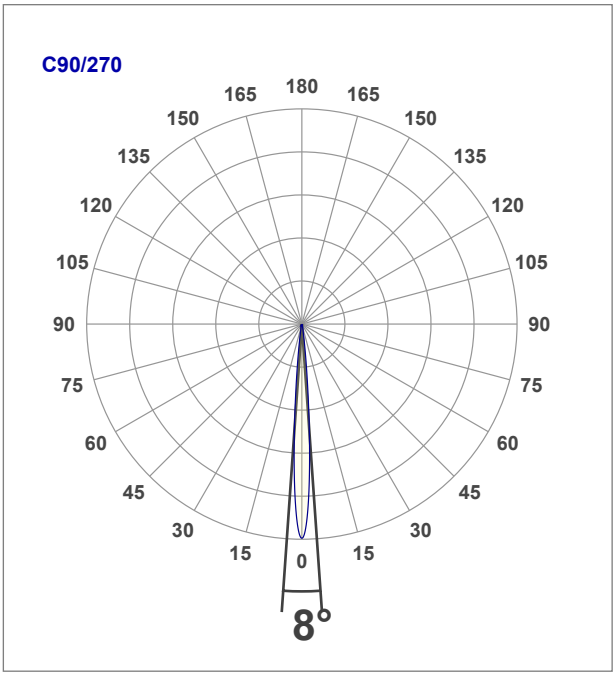
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	4376 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution





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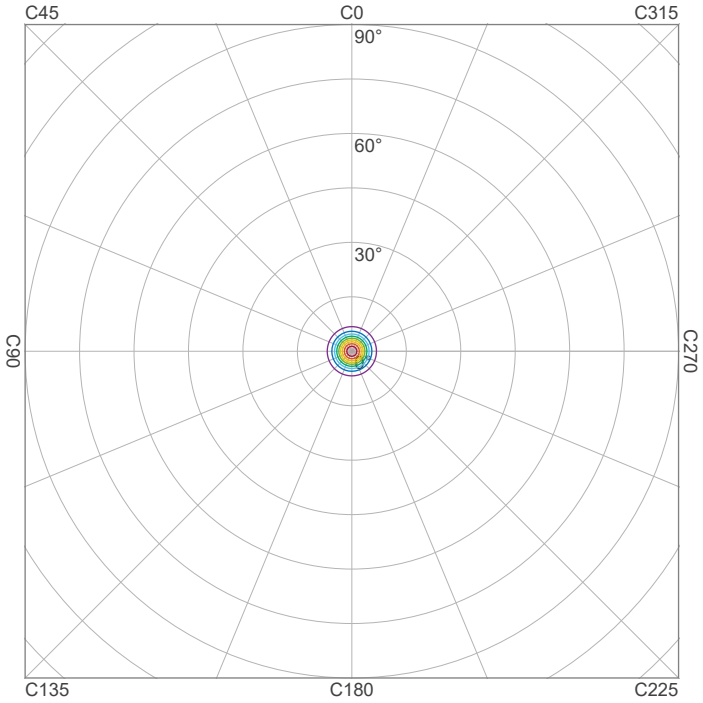
FL200-G2-XXX-RGBW3083-OM-7L-INF-XXXXX-X (ALL ON)

Iso-intensity Diagram (Iso-candela)

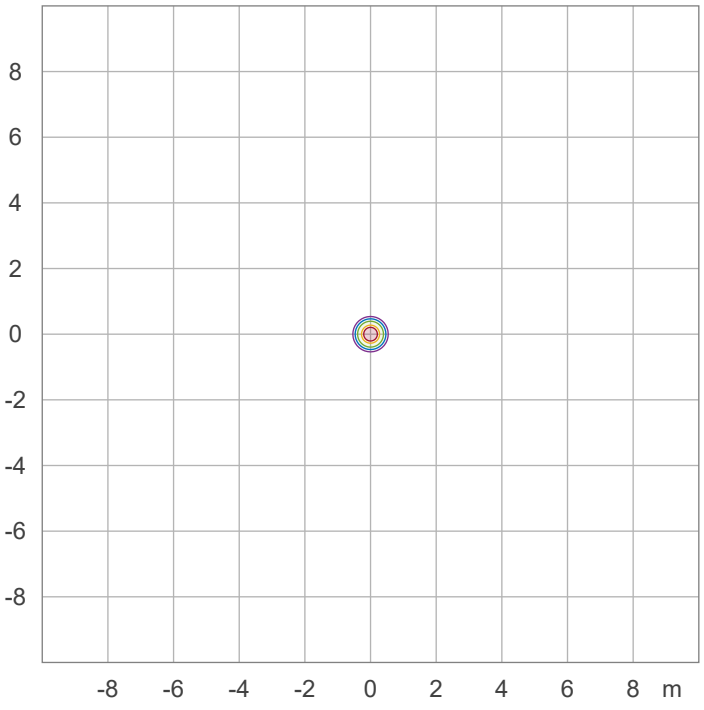


90 %	145979.1 cd
80 %	129759.2 cd
70 %	113539.3 cd
60 %	97319.4 cd
50 %	81099.5 cd
40 %	64879.6 cd
30 %	48659.7 cd
20 %	32439.8 cd
10 %	16219.9 cd

Peak intensity: 162199.0 cd

Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	9011 lx
30.0 %	5407 lx
10.0 %	1802 lx
5.0 %	901 lx
3.0 %	541 lx

Peak illuminance: 18022 lx

Mounting height: 3 m

Number of c-planes: 36

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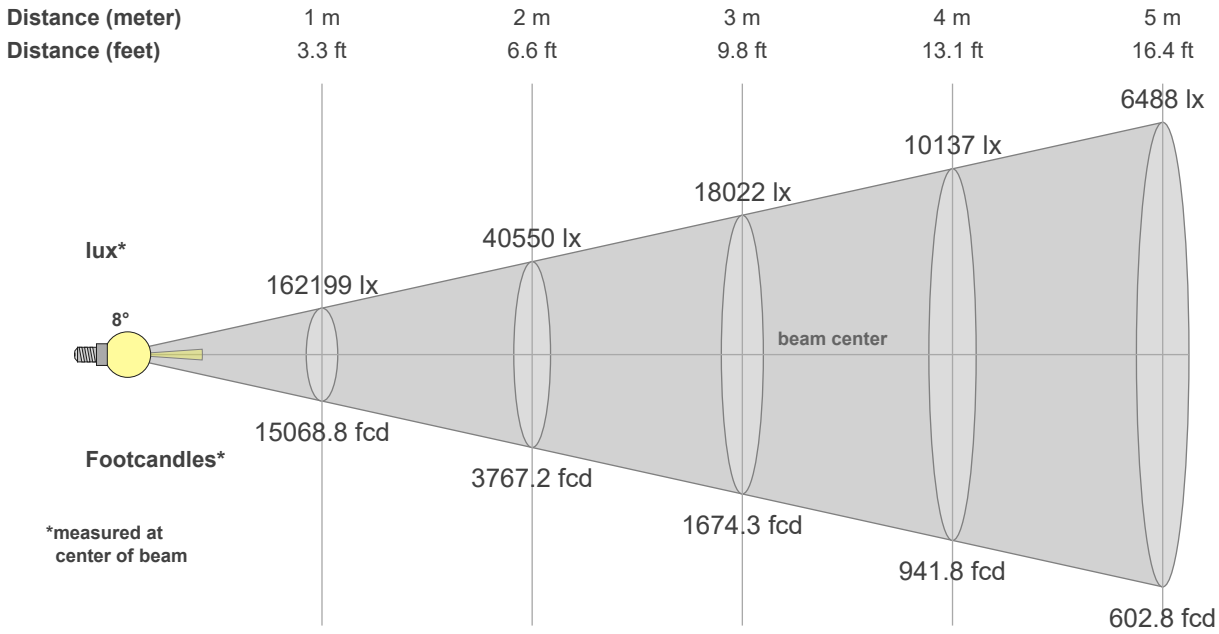
Beam details



Beam width (meter)	0.1 m	0.3 m	0.4 m	0.6 m	0.7 m
Beam width (feet)	0.5 ft	0.9 ft	1.4 ft	1.8 ft	2.3 ft

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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
162199	40550	18022	10137	6488	4506	3310	2534	2002	1622	1340	1126	960	828	721	634	561	501	449	405	lux
15068.8	3767.2	1674.3	941.8	602.8	418.6	307.5	235.4	186	150.7	124.5	104.6	89.2	76.9	67	58.9	52.1	46.5	41.7	37.7	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
162k	156k	137k	111k	81k	54k	34k	21k	12k	8k	5k	4k	3k	2k	2k	2k	1k	1k	1k	1k	cd
100%	96%	85%	68%	50%	33%	21%	13%	8%	5%	3%	2%	2%	2%	1%	1%	1%	1%	1%	1%	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
162k	156k	137k	111k	81k	54k	34k	21k	12k	8k	5k	4k	3k	2k	2k	2k	1k	1k	1k	1k	cd
100%	96%	85%	68%	50%	33%	21%	13%	8%	5%	3%	2%	2%	2%	1%	1%	1%	1%	1%	1%	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
162k	156k	137k	111k	81k	54k	34k	21k	12k	8k	5k	4k	3k	2k	2k	2k	1k	1k	1k	1k	cd
100%	96%	85%	68%	50%	33%	21%	13%	8%	5%	3%	2%	2%	2%	1%	1%	1%	1%	1%	1%	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
162k	156k	137k	111k	81k	54k	34k	21k	12k	8k	5k	4k	3k	2k	2k	2k	1k	1k	1k	1k	cd
100%	96%	85%	68%	50%	33%	21%	13%	8%	5%	3%	2%	2%	2%	1%	1%	1%	1%	1%	1%	of 0°val

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FL200-G2-XXX-RGBW3083-OM-7L-INF-XXXXX-X (ALL ON)

Power details

Input power	
Frequency of input power	60.0 Hz
Power feed to light source	0 W
RMS Input voltage feed V,RMS	117.7 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	1.996%

Input power curve

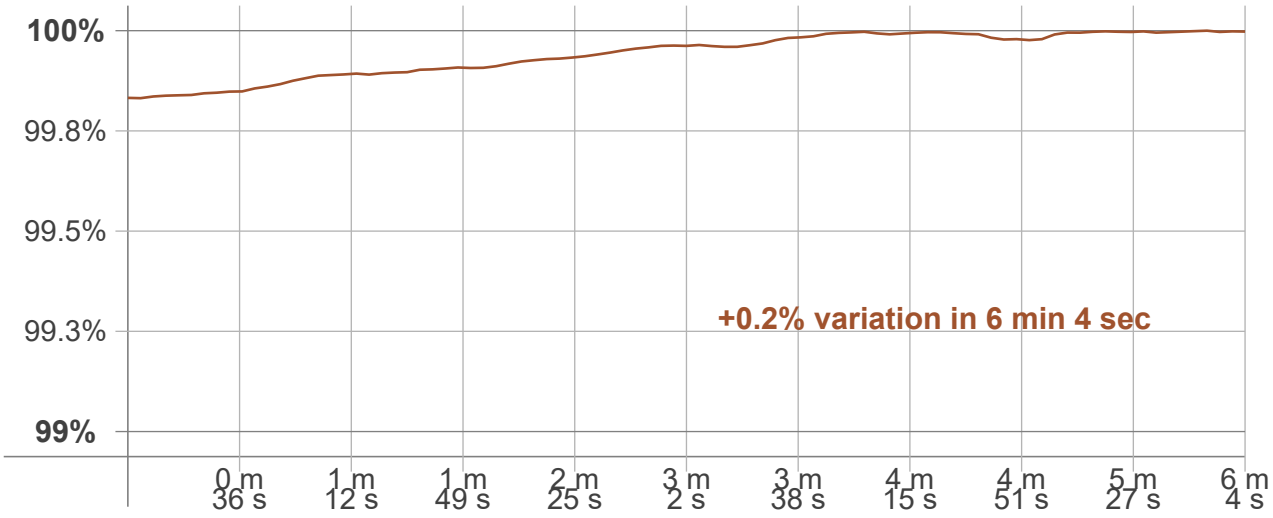
Efficiency

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	4368 lm
Warmup variation	0.2101%	Output change	7.678 lm
		Output end	4376 lm

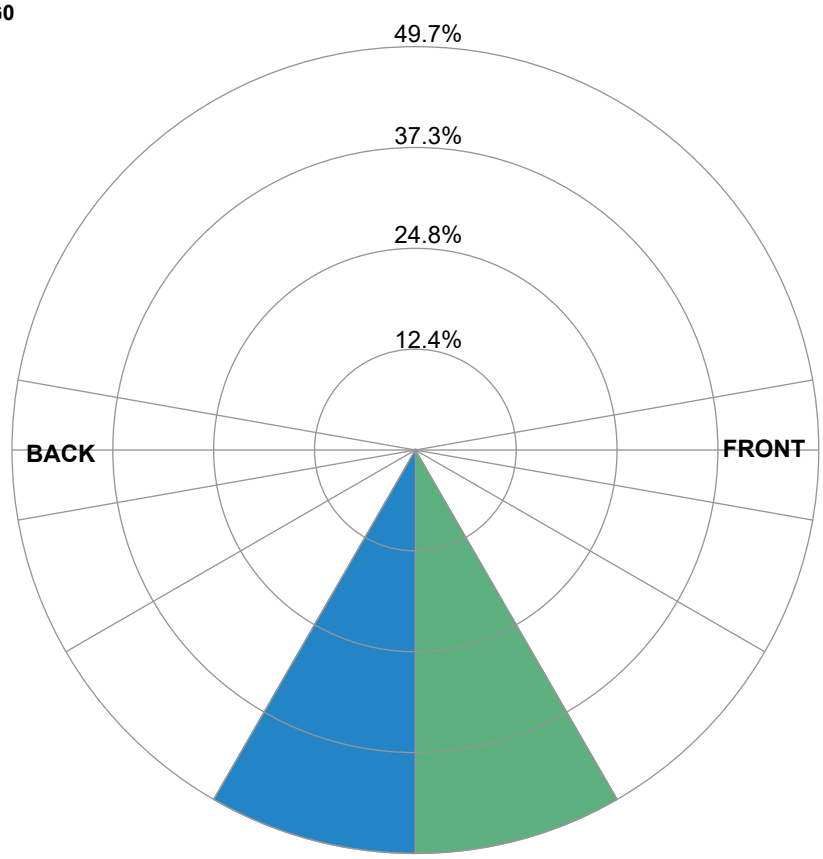
Stabilization Curve



Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-7L-INF-XXXXX-X (ALL ON)

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

Forward Light			
Low (0-30°)	2170	lm	49.7%
Medium (30-60°)	13.3	lm	0.304%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	2170	lm	49.7%
Medium (30-60°)	13.3	lm	0.304%
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	4376	lm	100%

BUG RATING B3 U0 G0