Photometric Test Report

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

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.16-7335-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	117.8 V DC
Input Current	0.00 A
Power Factor	NaN

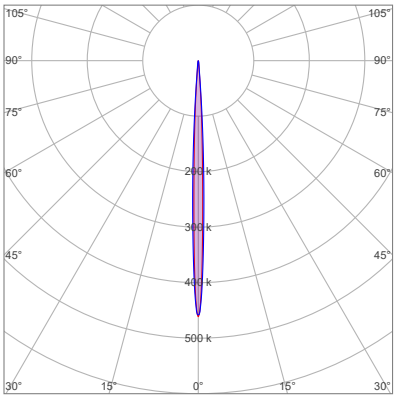
Tested Light Source

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

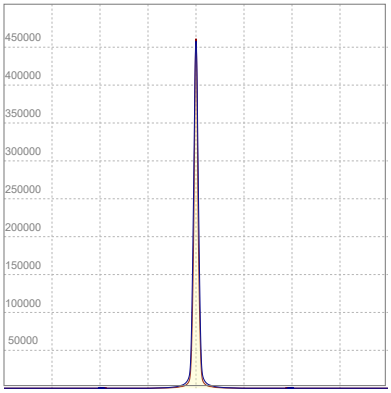
Main Light Measurement Results

Output – Total Lumen	4954 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	460656
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	3.9°
Beam Angle (FWHM) | C90/270	5.0°
Field Angle (10%) | C0/180	8.6°Unit: 0-100% of peak intensity
Optical Power	10157 mW
Peak Wavelength	523 nm
Dominant Wavelength	528 nm

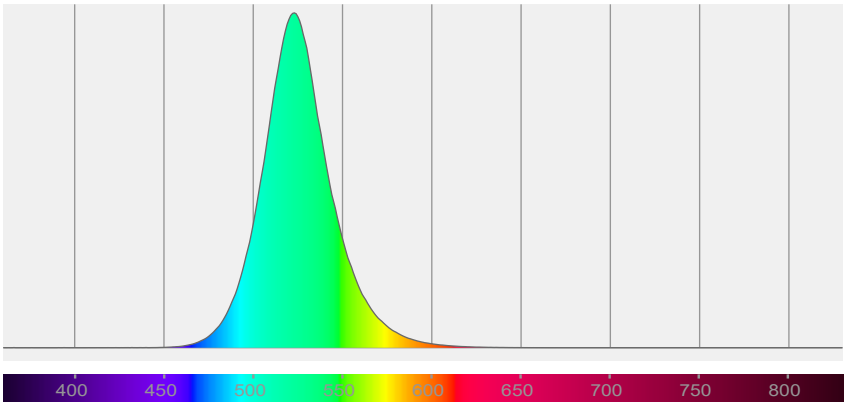
Polar Light Distribution Diagram
Unit: 0-100% of peak intensity



Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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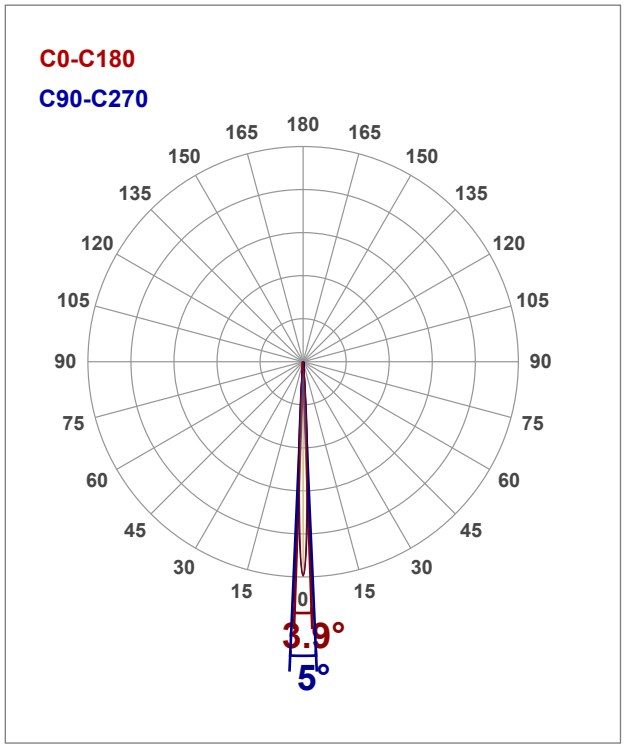
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	4954 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	460656 cd
Beam Angle (50%-FWHM)	4.2°

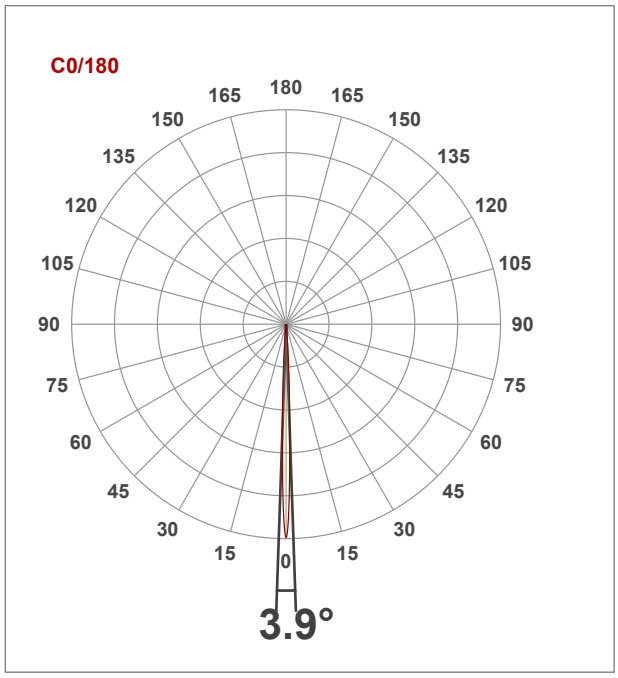
EU Ecodesign parameters

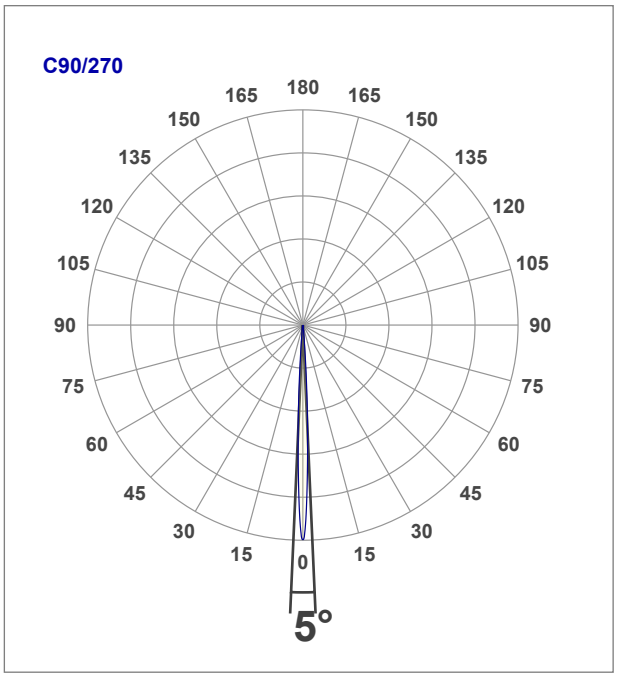
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	4952 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	99.96%

Angular Distribution





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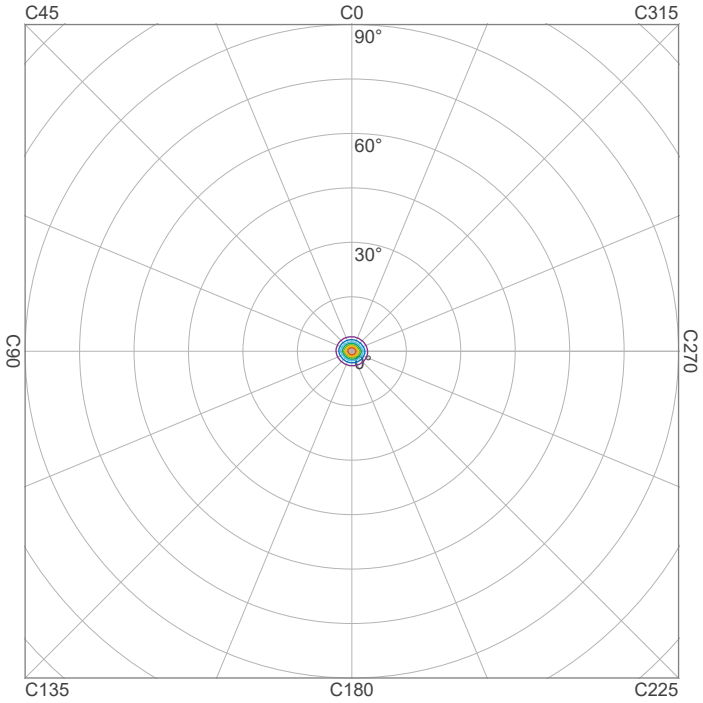
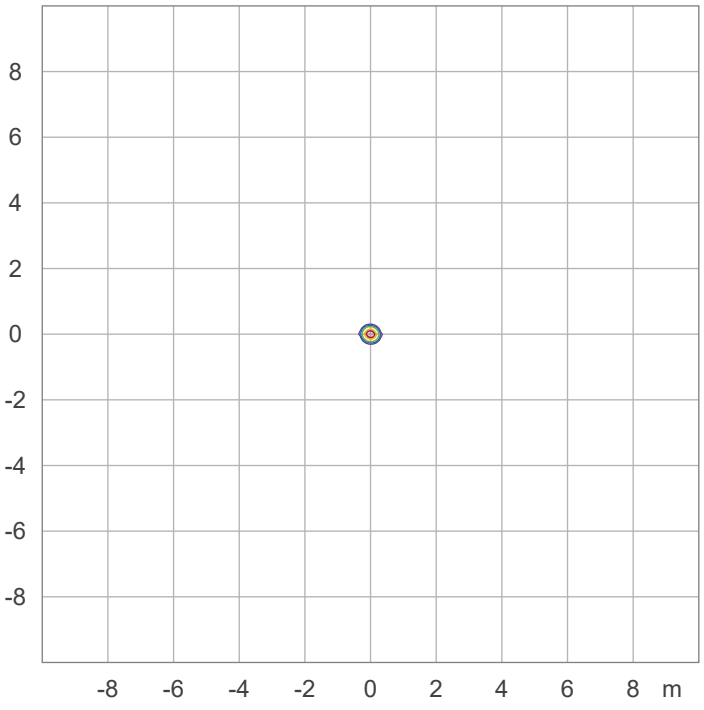
Iso-intensity Diagram (Iso-candela)



90 %	413655.5 cd
80 %	367693.8 cd
70 %	321732.1 cd
60 %	275770.4 cd
50 %	229808.6 cd
40 %	183846.9 cd
30 %	137885.2 cd
20 %	91923.5 cd
10 %	45961.7 cd

Peak intensity: 459617.3 cd
Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	25534 lx
30.0 %	15321 lx
10.0 %	5107 lx
5.0 %	2553 lx
3.0 %	1532 lx

Peak illuminance: 51069 lx
Mounting height: 3 m
Number of c-planes: 36

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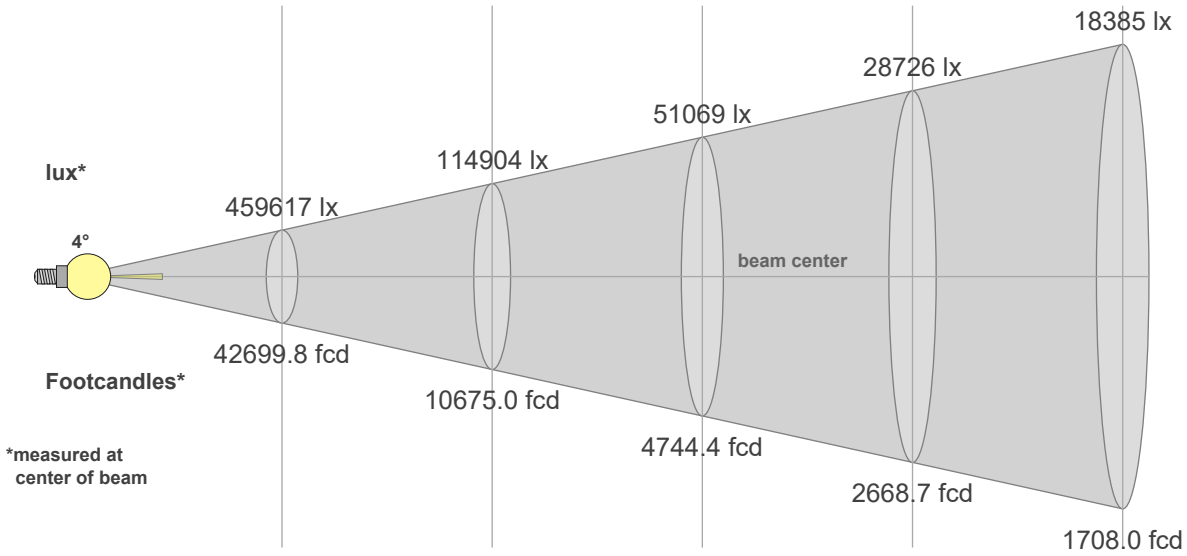
Beam details

Distance (meter)	1 m	2 m	3 m	4 m	5 m
Distance (feet)	3.3 ft	6.6 ft	9.8 ft	13.1 ft	16.4 ft



Beam width (meter)	0.1 m	0.1 m	0.2 m	0.3 m	0.4 m
Beam width (feet)	0.2 ft	0.5 ft	0.7 ft	1 ft	1.2 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
459617	114904	51069	28726	18385	12767	9380	7182	5674	4596	3798	3192	2720	2345	2043	1795	1590	1419	1273	1149	lux
42699.8	10675	4744.4	2668.7	1708	1186.1	871.4	667.2	527.2	427	352.9	296.5	252.7	217.9	189.8	166.8	147.8	131.8	118.3	106.7	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
460k	378k	225k	125k	61k	24k	11k	8k	6k	5k	4k	3k	3k	2k	2k	2k	2k	1k	1k	1k	cd
100%	82%	49%	27%	13%	5%	2%	2%	1%	1%	1%	1%	1%	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
460k	403k	286k	179k	91k	37k	19k	13k	10k	8k	7k	5k	5k	4k	4k	3k	3k	2k	2k	2k	cd
100%	88%	62%	39%	20%	8%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%	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
460k	378k	225k	125k	61k	24k	11k	8k	6k	5k	4k	3k	3k	2k	2k	2k	2k	1k	1k	1k	cd
100%	82%	49%	27%	13%	5%	2%	2%	1%	1%	1%	1%	1%	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
460k	403k	286k	179k	91k	37k	19k	13k	10k	8k	7k	5k	5k	4k	4k	3k	3k	2k	2k	2k	cd
100%	88%	62%	39%	20%	8%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%	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	117.8 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	1.932%

Input power curve

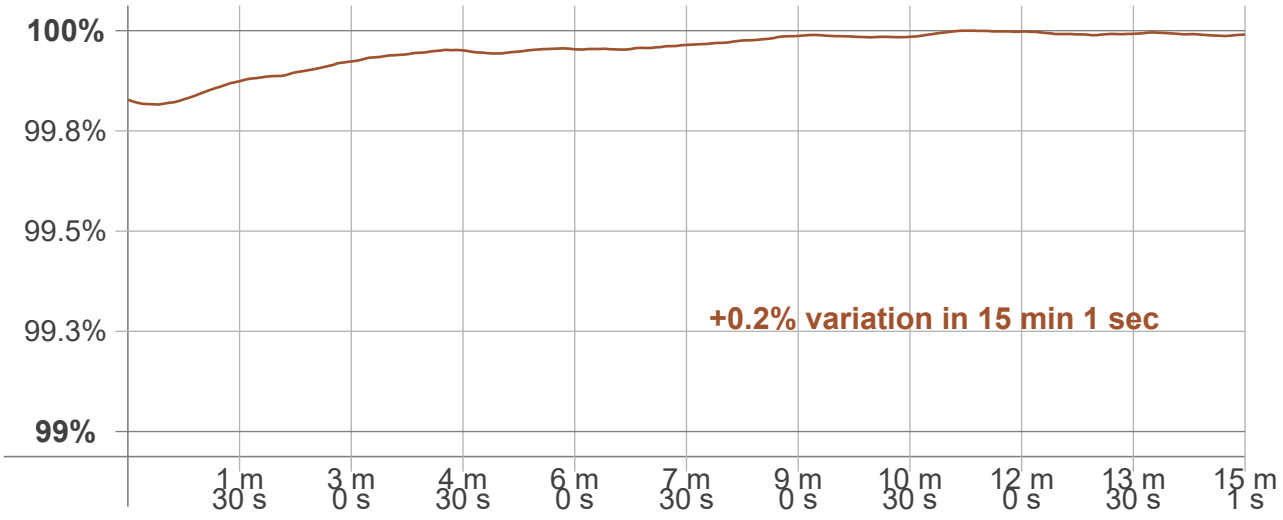
Efficiency

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	Lamp stabilized in 15 min 1 sec	Output start	4946 lm
Warmup variation	0.2039%	Output change	7.287 lm
		Output end	4954 lm

Stabilization Curve



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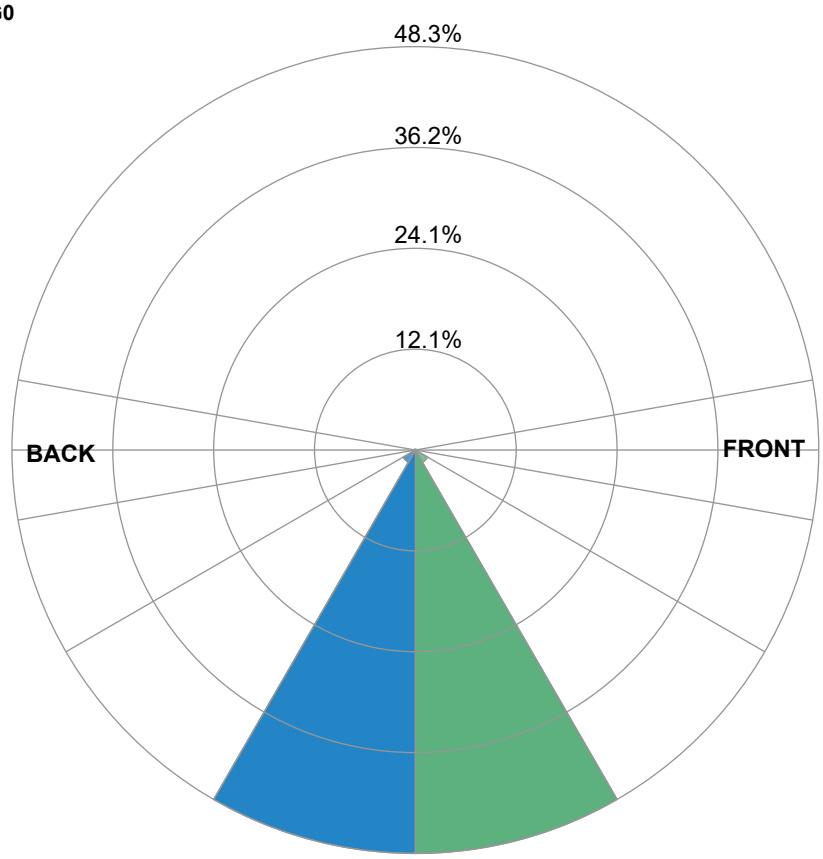
FL200-G2-XXX-RGBW3083-OM-4-INF-XXXXX-X (G)

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

Forward Light			
Low (0-30°)	2390	lm	48.3%
Medium (30-60°)	84.7	lm	1.71%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	2390	lm	48.3%
Medium (30-60°)	84.7	lm	1.71%
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	4954	lm	100%

BUG RATING B3 U0 G0