Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4-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.16-7347-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	118.5 V DC
Input Current	0.00 A
Power Factor	NaN

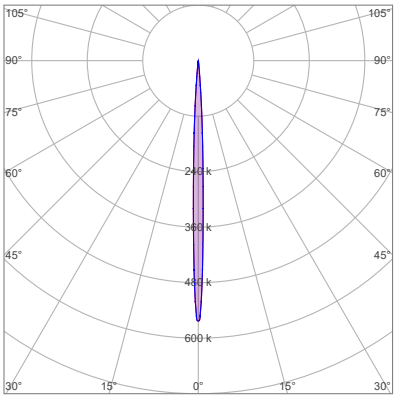
Tested Light Source

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

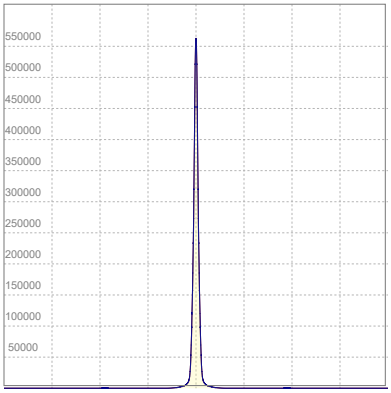
Main Light Measurement Results

Output – Total Lumen	5624 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	561540
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	4.3°
Beam Angle (FWHM) | C90/270	4.3°
Field Angle (10%) | C0/180	9.4°Unit: 0-100% of peak intensity
Optical Power	28293 mW
Peak Wavelength	453 nm
Dominant Wavelength	557 nm

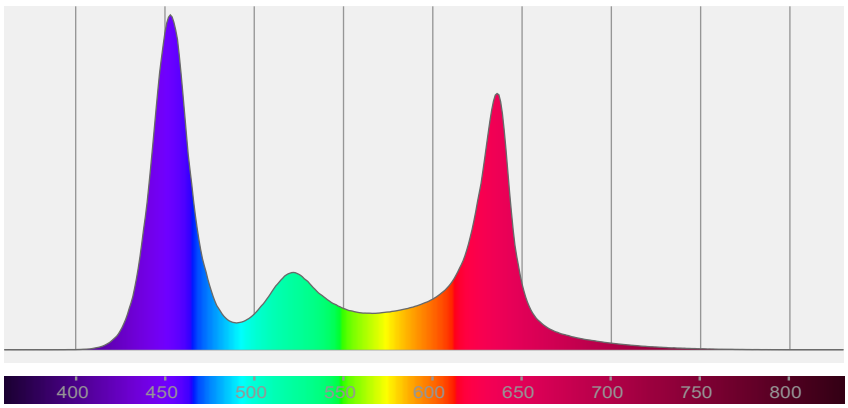
Polar Light Distribution Diagram
Unit: 0-100% of peak intensity



Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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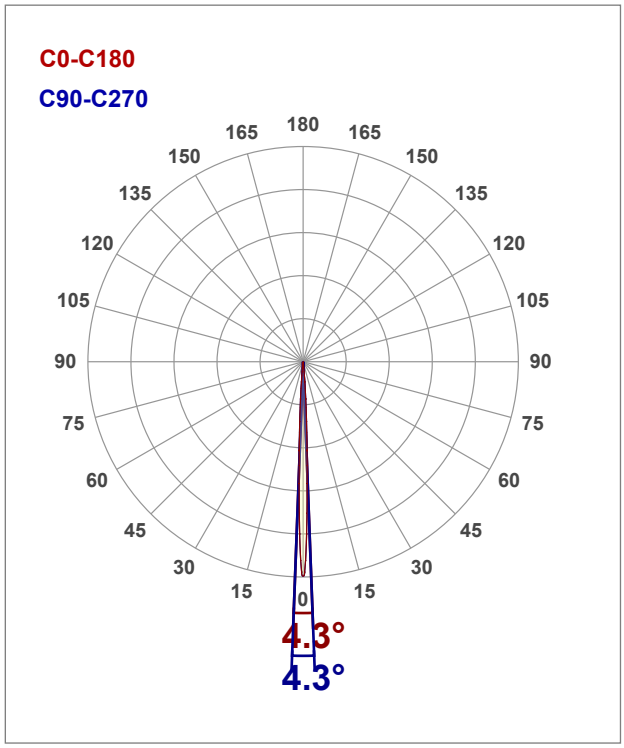
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	5624 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	561540 cd
Beam Angle (50%-FWHM)	4.3°

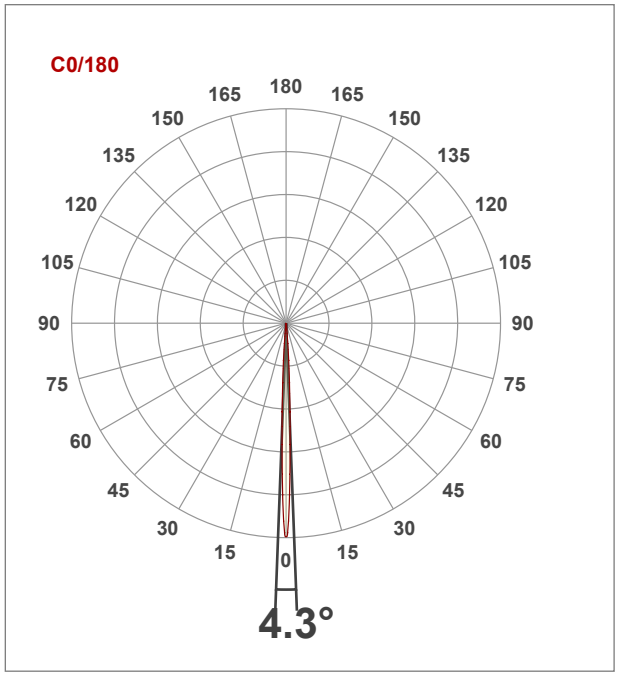
EU Ecodesign parameters

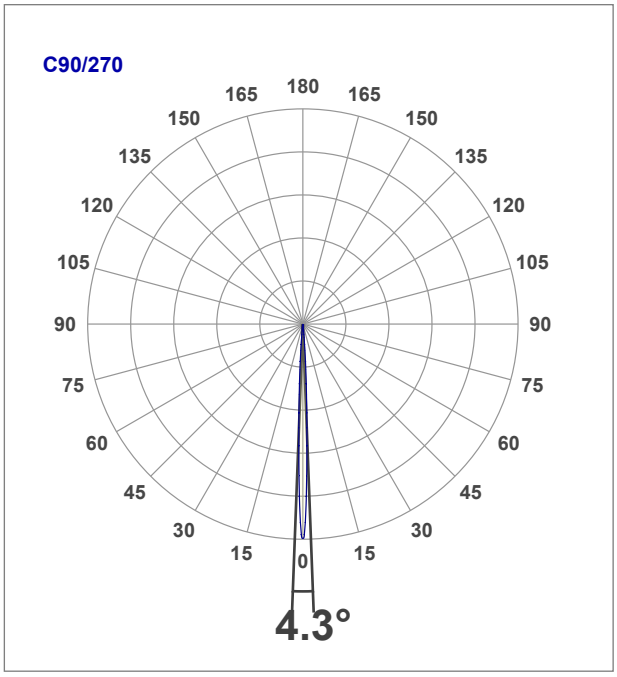
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	5624 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution





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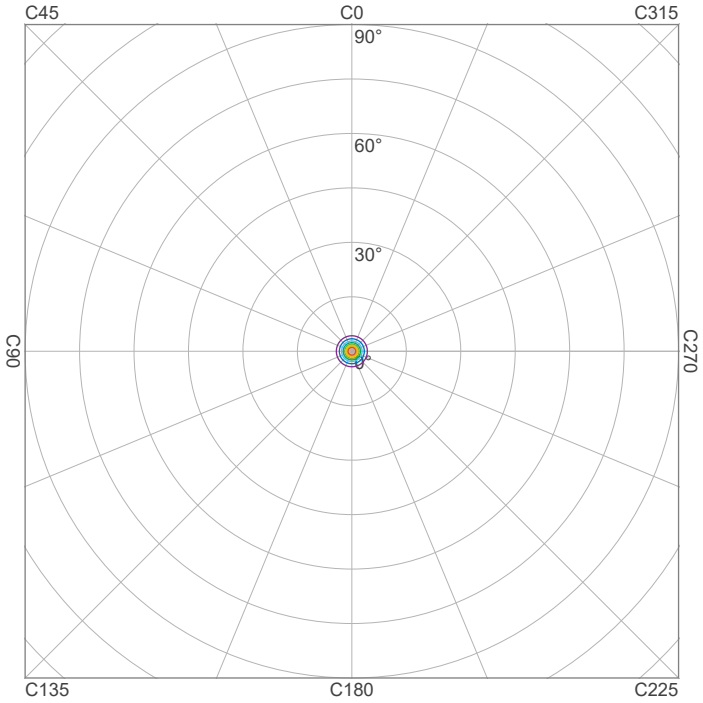
FL200-G2-XXX-RGBW3083-OM-4-INF-XXXXX-X (ALL ON)

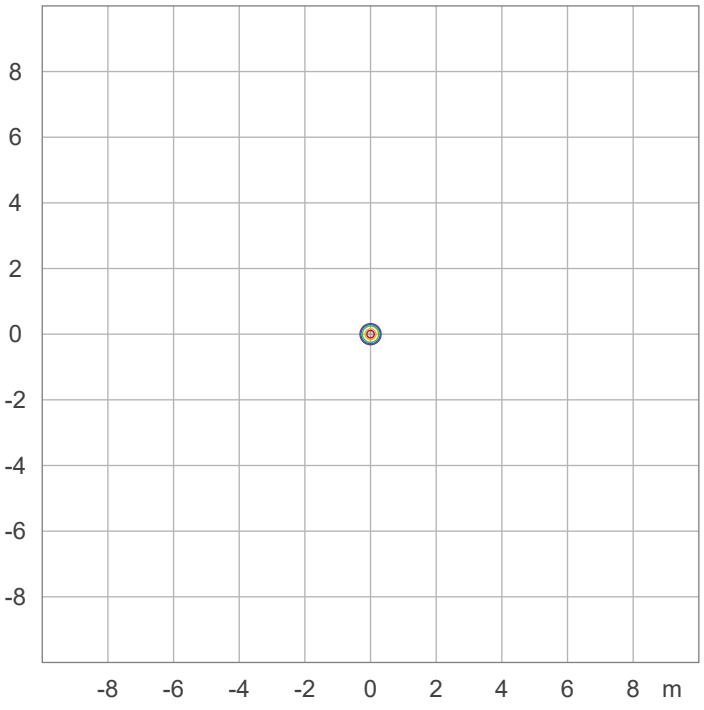
Iso-intensity Diagram (Iso-candela)



90 %	505385.6 cd
80 %	449231.7 cd
70 %	393077.7 cd
60 %	336923.8 cd
50 %	280769.8 cd
40 %	224615.8 cd
30 %	168461.9 cd
20 %	112307.9 cd
10 %	56154.0 cd

Peak intensity: 561539.6 cd
Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	31197 lx
30.0 %	18718 lx
10.0 %	6239 lx
5.0 %	3120 lx
3.0 %	1872 lx

Peak illuminance: 62393 lx
Mounting height: 3 m
Number of c-planes: 36

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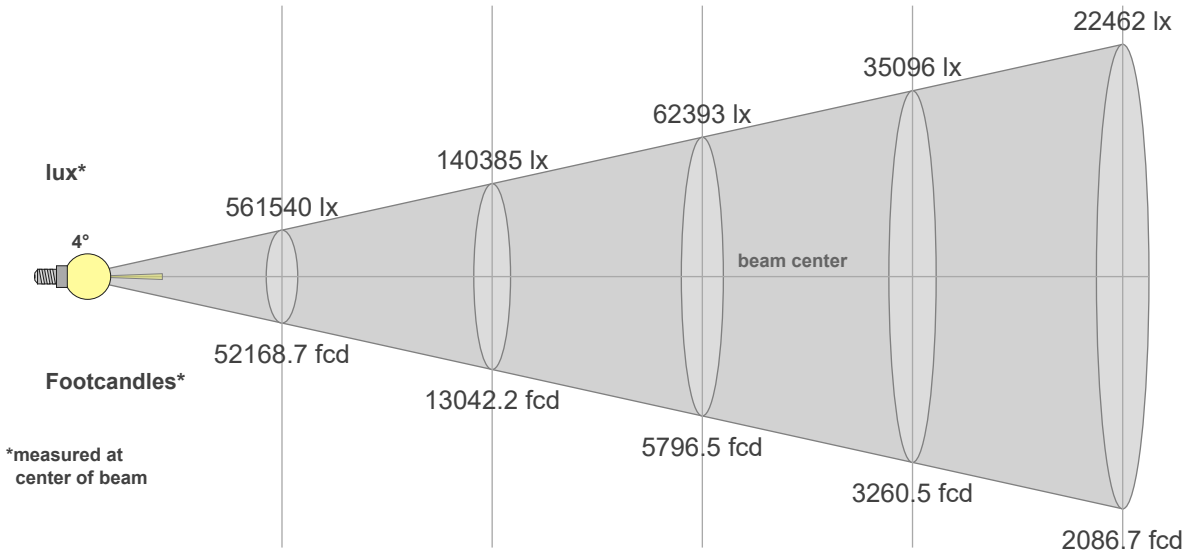
Beam details

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	0.2 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
561540	140385	62393	35096	22462	15598	11460	8774	6933	5615	4641	3900	3323	2865	2496	2194	1943	1733	1556	1404	lux
52168.7	13042.2	5796.5	3260.5	2086.7	1449.1	1064.7	815.1	644.1	521.7	431.1	362.3	308.7	266.2	231.9	203.8	180.5	161	144.5	130.4	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
562k	478k	304k	180k	98k	42k	18k	11k	8k	6k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	cd
100%	85%	54%	32%	17%	8%	3%	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
562k	478k	304k	180k	98k	42k	18k	11k	8k	6k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	cd
100%	85%	54%	32%	17%	8%	3%	2%	1%	1%	1%	1%	1%	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
562k	478k	304k	180k	98k	42k	18k	11k	8k	6k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	cd
100%	85%	54%	32%	17%	8%	3%	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
562k	478k	304k	180k	98k	42k	18k	11k	8k	6k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	cd
100%	85%	54%	32%	17%	8%	3%	2%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	of 0°val

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FL200-G2-XXX-RGBW3083-OM-4-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	118.5 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	1.725%

Input power curve

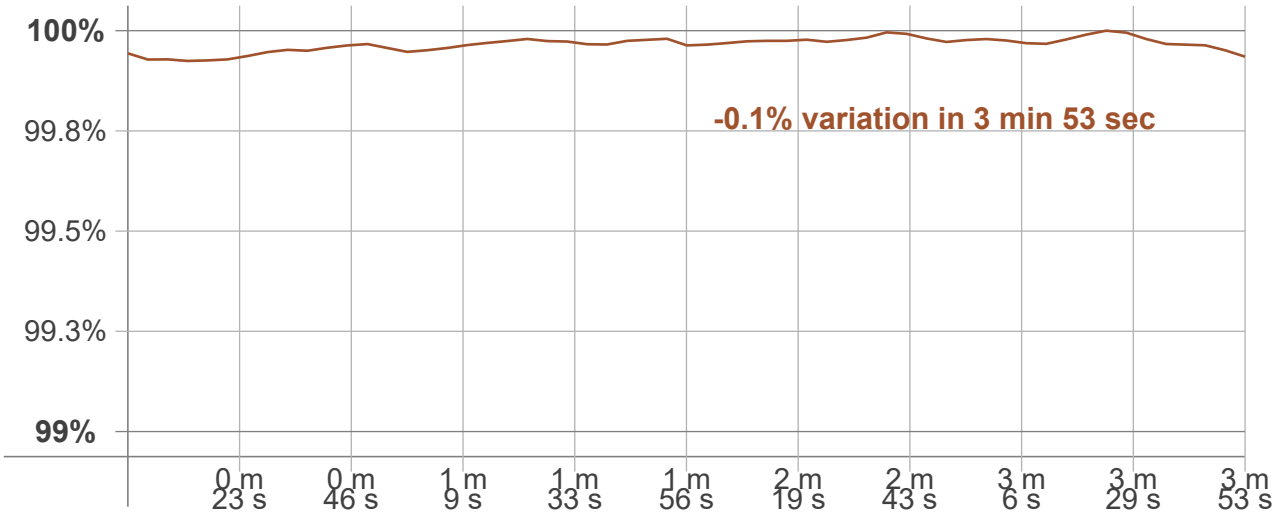
Efficiency

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	5622 lm
Warmup variation	0.091%	Output change	1.885 lm
		Output end	5624 lm

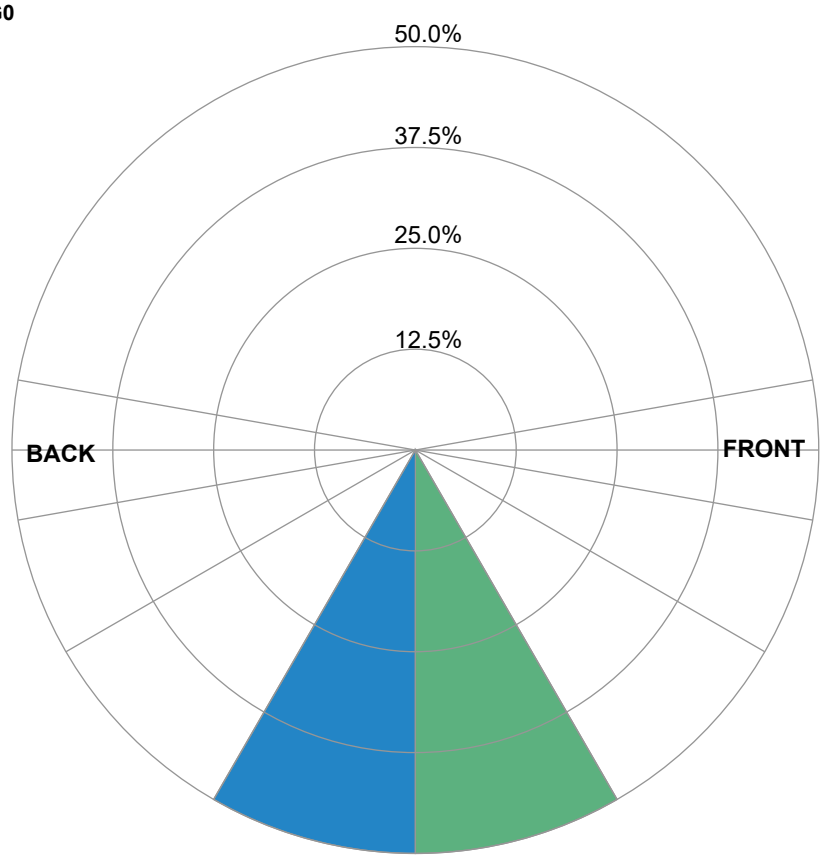
Stabilization Curve



Photometric Test Report

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

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

Forward Light			
Low (0-30°)	2810	lm	50.0%
Medium (30-60°)	0.000132	lm	0.00000235%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	2810	lm	50.0%
Medium (30-60°)	0.000132	lm	0.00000235%
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	5624	lm	100%

BUG RATING B4 U0 G0