Photometric Test Report

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

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.16-7358-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	118.9 V DC
Input Current	0.00 A
Power Factor	NaN

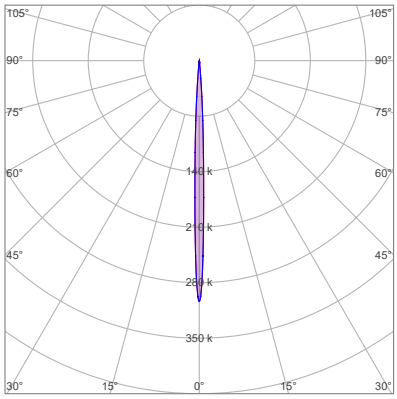
Tested Light Source

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

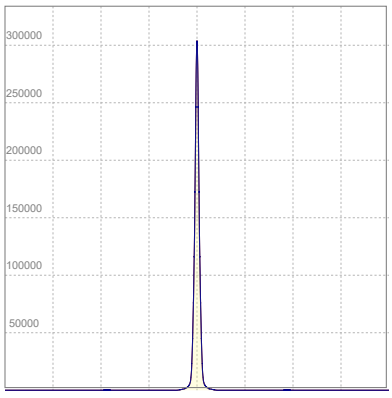
Main Light Measurement Results

Output – Total Lumen	2667 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	303591
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	4.2°
Beam Angle (FWHM) | C90/270	4.2°
Field Angle (10%) | C0/180	9.1°Unit: 0-100% of peak intensity
Optical Power	18200 mW
Peak Wavelength	642 nm
Dominant Wavelength	626 nm

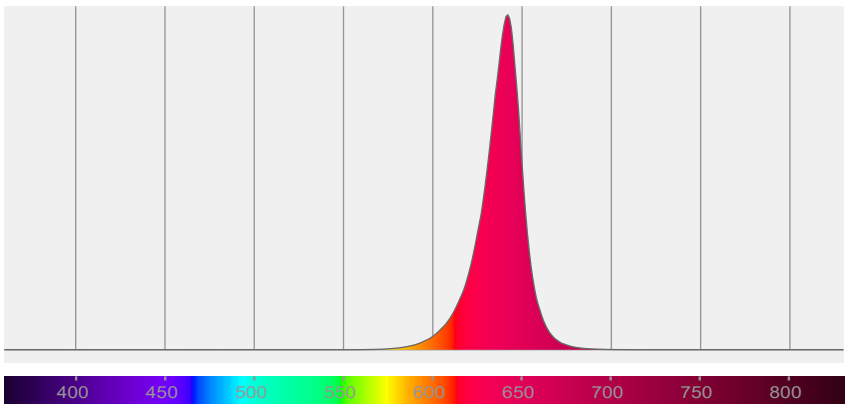
Polar Light Distribution Diagram
Unit: 0-100% of peak intensity



Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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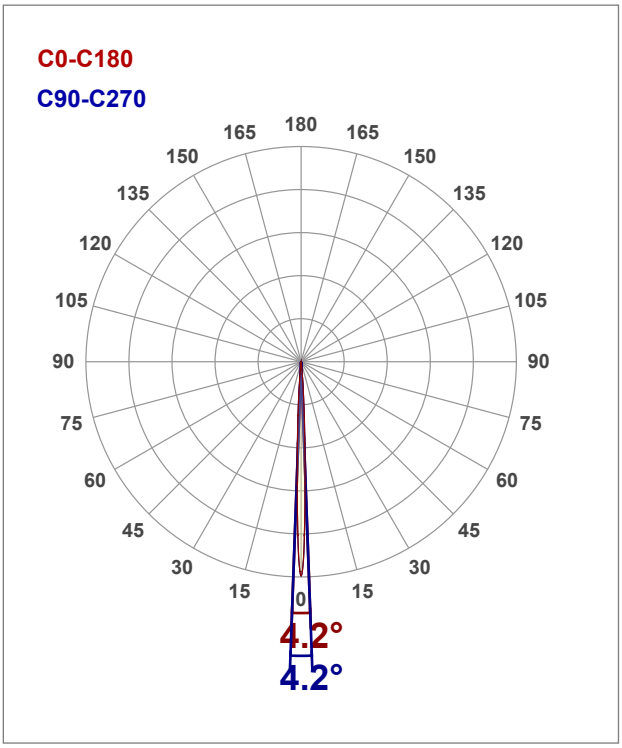
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	2667 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	303591 cd
Beam Angle (50%-FWHM)	4.2°

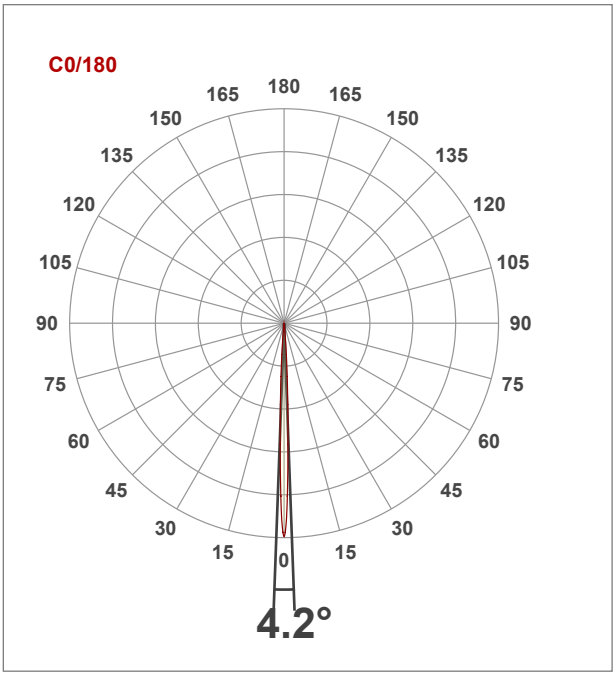
EU Ecodesign parameters

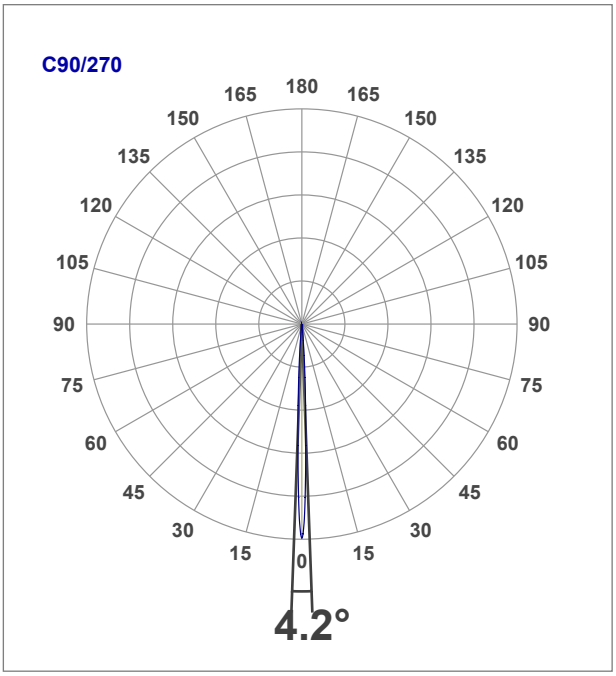
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	2667 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution





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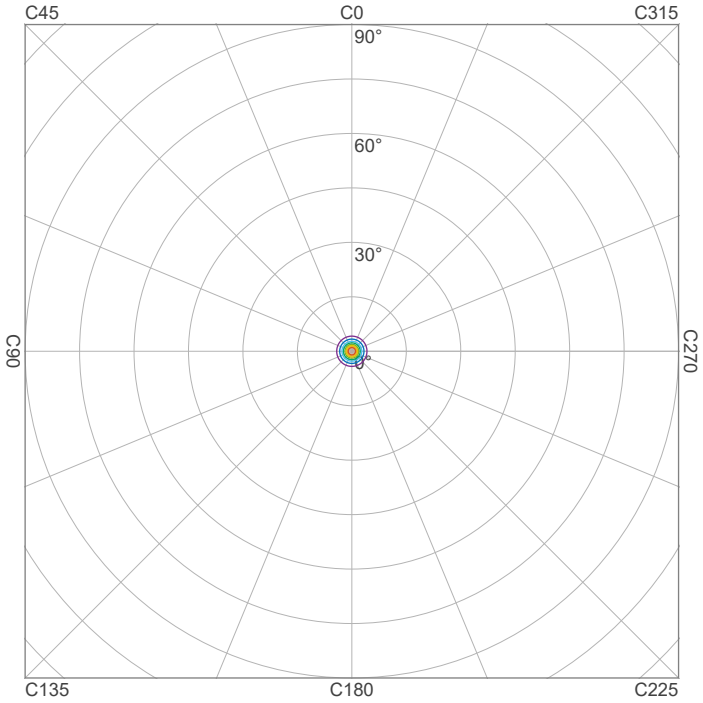
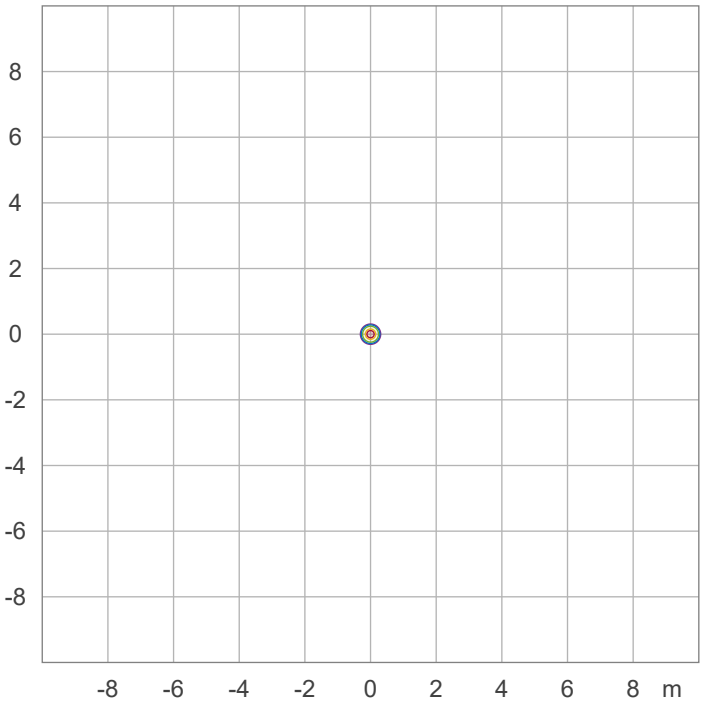
Iso-intensity Diagram (Iso-candela)



90 %	273231.4 cd
80 %	242872.4 cd
70 %	212513.3 cd
60 %	182154.3 cd
50 %	151795.3 cd
40 %	121436.2 cd
30 %	91077.2 cd
20 %	60718.1 cd
10 %	30359.1 cd

Peak intensity: 303590.5 cd
Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	16866 lx
30.0 %	10120 lx
10.0 %	3373 lx
5.0 %	1687 lx
3.0 %	1012 lx

Peak illuminance: 33732 lx
Mounting height: 3 m
Number of c-planes: 36

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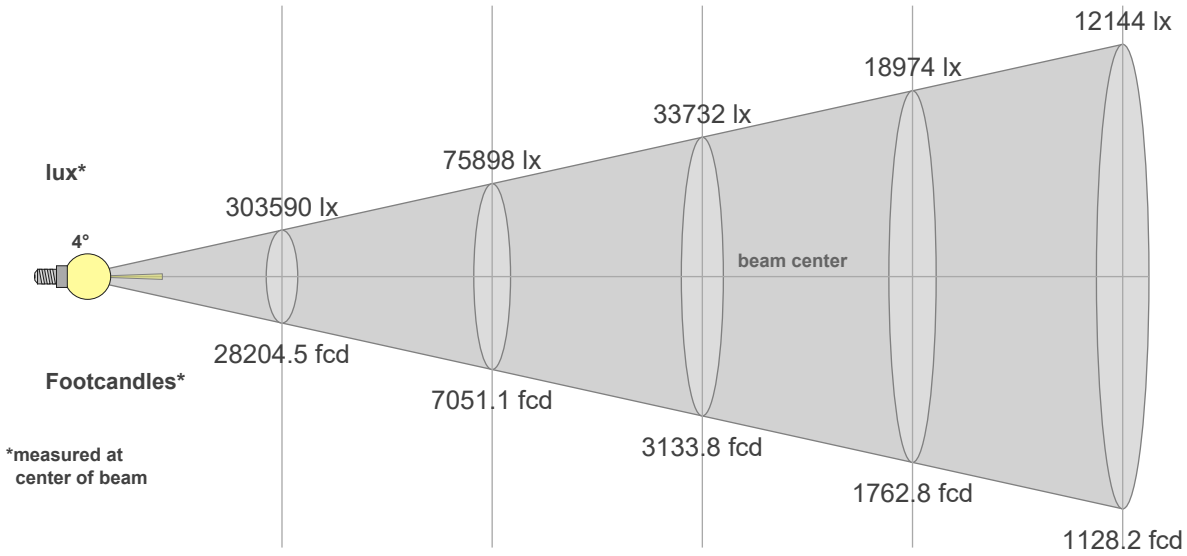
Beam details

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
303590	75898	33732	18974	12144	8433	6196	4744	3748	3036	2509	2108	1796	1549	1349	1186	1050	937	841	759	lux
28204.5	7051.1	3133.8	1762.8	1128.2	783.5	575.6	440.7	348.2	282	233.1	195.9	166.9	143.9	125.4	110.2	97.6	87.1	78.1	70.5	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
304k	254k	159k	93k	48k	20k	8k	5k	4k	3k	2k	2k	1k	1k	1k	1k	0k	0k	0k	0k	cd
100%	84%	52%	30%	16%	7%	3%	2%	1%	1%	1%	1%	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
304k	254k	159k	93k	48k	20k	8k	5k	4k	3k	2k	2k	1k	1k	1k	1k	0k	0k	0k	0k	cd
100%	84%	52%	30%	16%	7%	3%	2%	1%	1%	1%	1%	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
304k	254k	159k	93k	48k	20k	8k	5k	4k	3k	2k	2k	1k	1k	1k	1k	0k	0k	0k	0k	cd
100%	84%	52%	30%	16%	7%	3%	2%	1%	1%	1%	1%	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
304k	254k	159k	93k	48k	20k	8k	5k	4k	3k	2k	2k	1k	1k	1k	1k	0k	0k	0k	0k	cd
100%	84%	52%	30%	16%	7%	3%	2%	1%	1%	1%	1%	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	118.9 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	1.819%

Input power curve

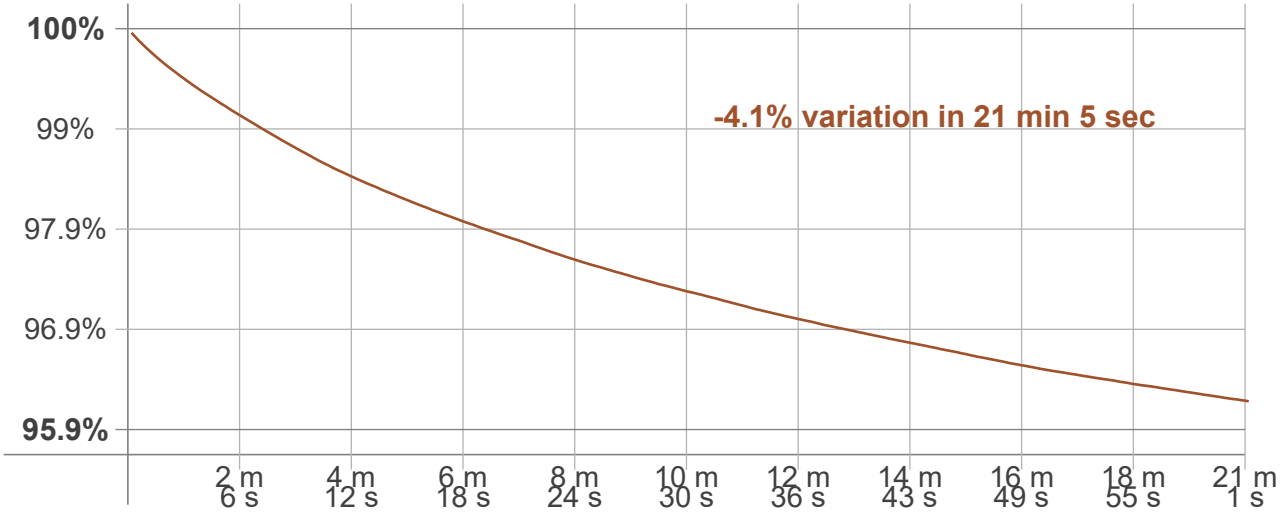
Efficiency

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 21 min 5 sec	Output start	2778 lm
Warmup variation	-4.1035%	Output change	-110.83 lm
		Output end	2667 lm

Stabilization Curve



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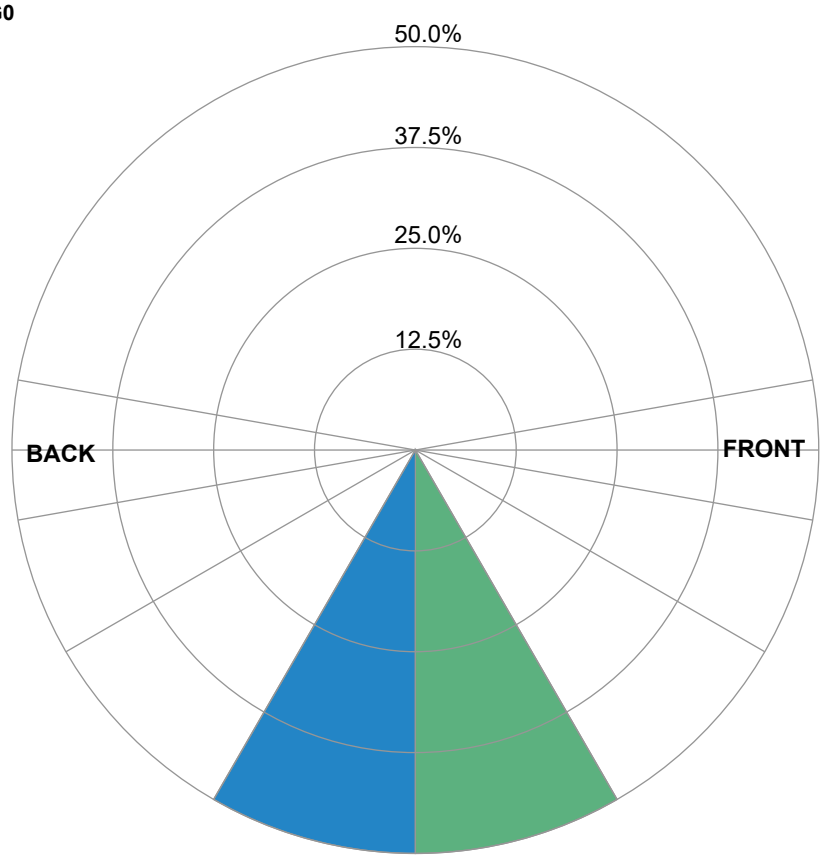
FL200-G2-XXX-RGBW3083-OM-4-INF-XXXXX-X (R)

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

Forward Light			
Low (0-30°)	1330	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°)	1330	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	2667	lm	100%

BUG RATING B3 U0 G0