Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-7-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.16-7333-VO
Measurement date	2026-03-16

Measurement Conditions

Tested c-planes	36 planes – 10.00°
Tested gamma resolution	0.40°
Input Power	0 W

Electrical Data

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

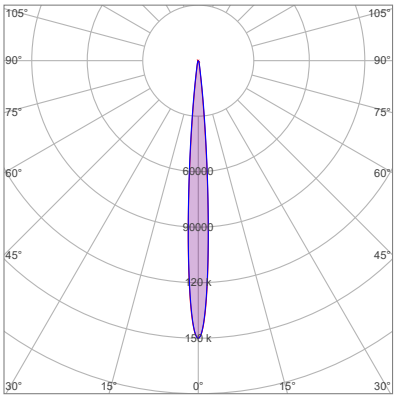
Tested Light Source

Product family	FL200-G2
Luminaire configuration	FL200-G2-XXX-RGBW3083-OM-7-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

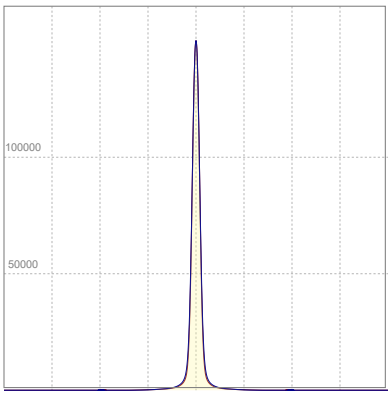
Output – Total Lumen	4755 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	149837
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	7.9°
Beam Angle (FWHM) | C90/270	8.0°
Field Angle (10%) | C0/180	14.5°Unit: 0-100% of peak intensity
Optical Power	9730 mW
Peak Wavelength	523 nm
Dominant Wavelength	529 nm

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

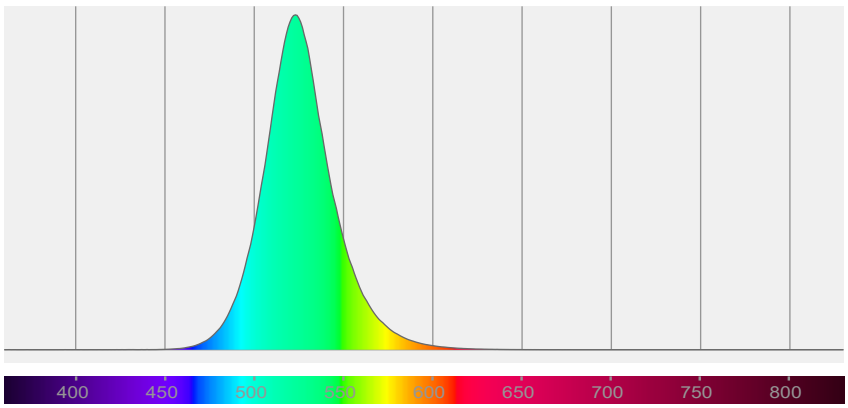


C0 - C180
C90 - C270
η = 100%

Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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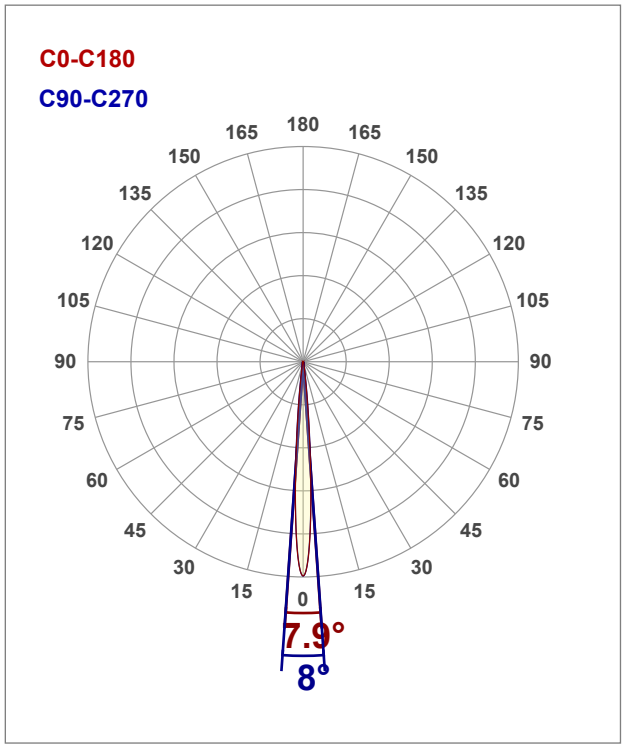
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	4755 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	149837 cd
Beam Angle (50%-FWHM)	8.0°

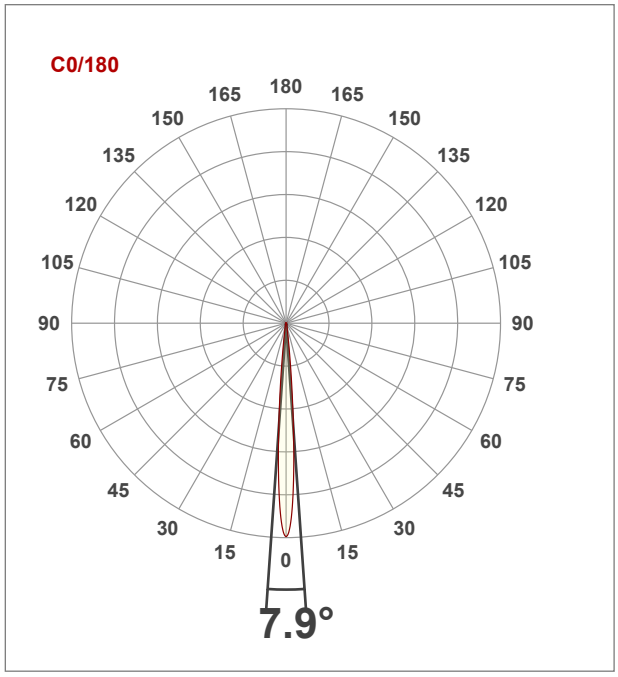
EU Ecodesign parameters

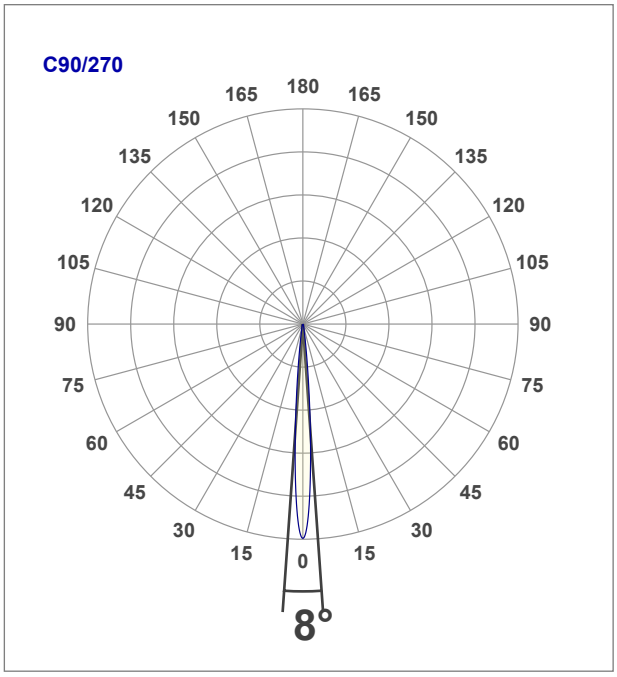
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	4647 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	99.93%
In 90° cone	97.74%

Angular Distribution





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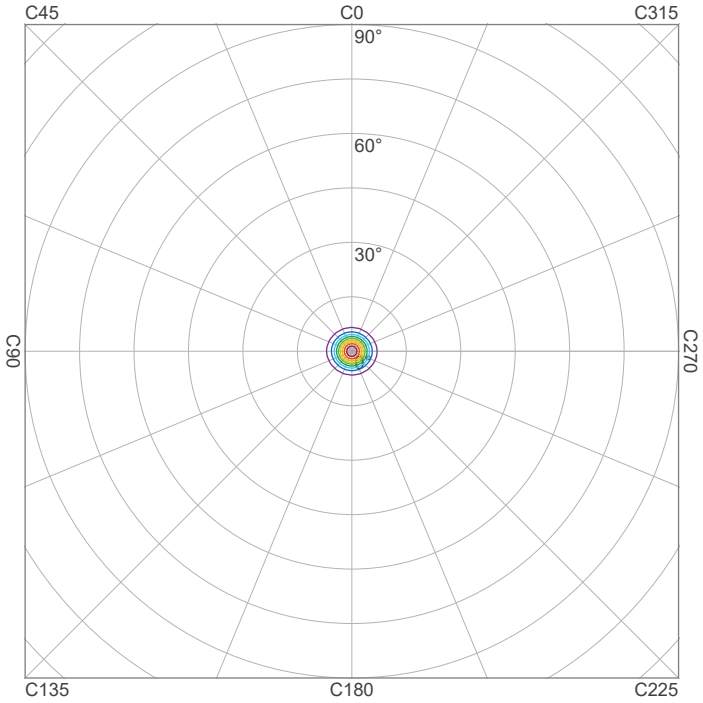
Iso-intensity Diagram (Iso-candela)

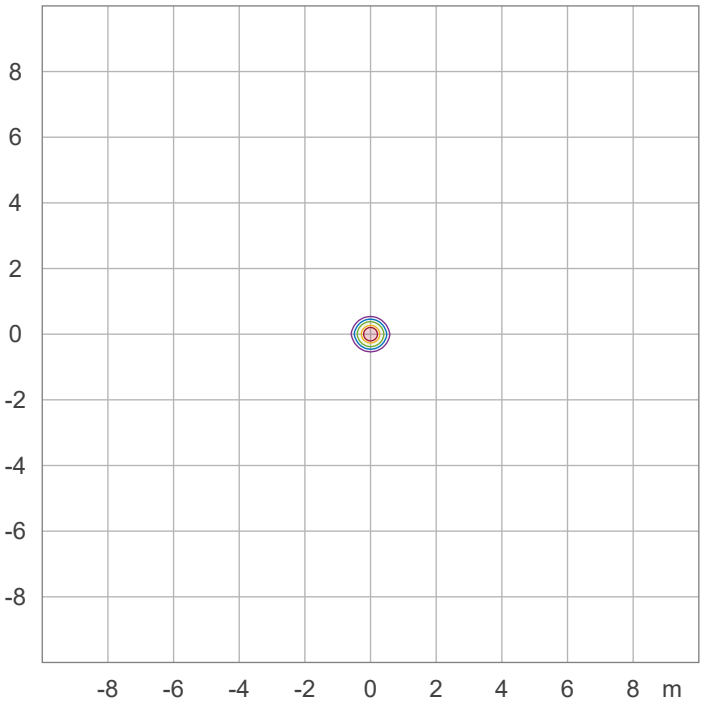


90 %	134648.6 cd
80 %	119687.6 cd
70 %	104726.7 cd
60 %	89765.7 cd
50 %	74804.8 cd
40 %	59843.8 cd
30 %	44882.9 cd
20 %	29921.9 cd
10 %	14961.0 cd

Peak intensity: 149609.5 cd

Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	8312 lx
30.0 %	4987 lx
10.0 %	1662 lx
5.0 %	831 lx
3.0 %	499 lx

Peak illuminance: 16623 lx

Mounting height: 3 m

Number of c-planes: 36

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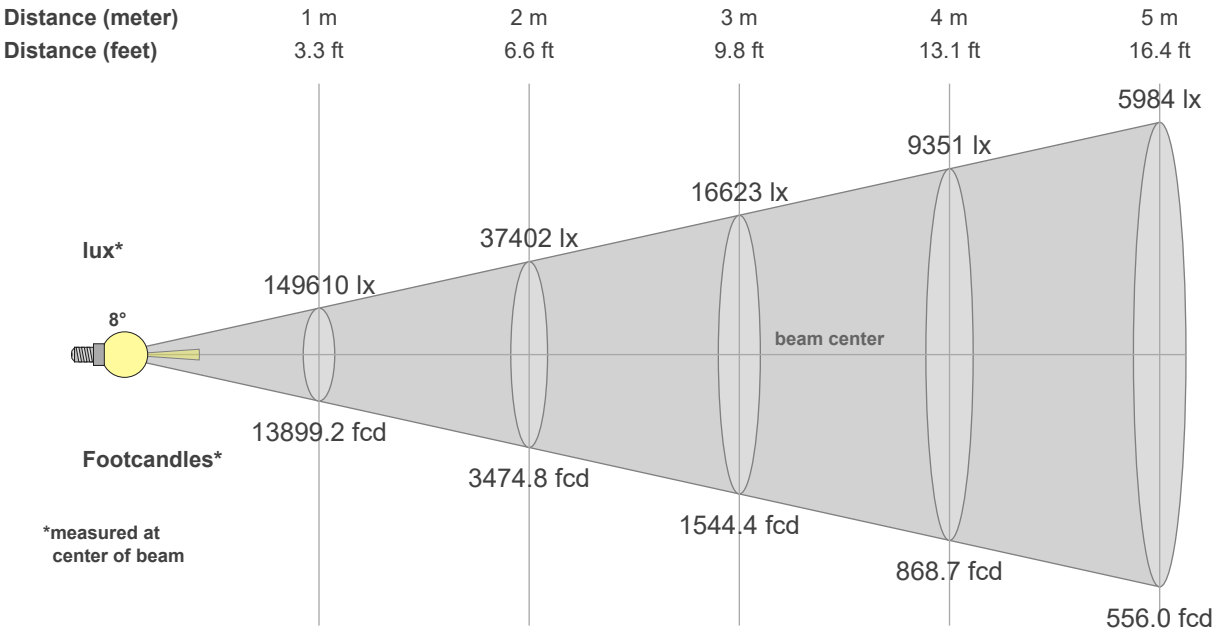
Beam details



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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
149610	37402	16623	9351	5984	4156	3053	2338	1847	1496	1236	1039	885	763	665	584	518	462	414	374	lux
13899.2	3474.8	1544.4	868.7	556	386.1	283.7	217.2	171.6	139	114.9	96.5	82.2	70.9	61.8	54.3	48.1	42.9	38.5	34.7	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
150k	144k	128k	103k	74k	48k	29k	17k	10k	7k	5k	4k	3k	3k	2k	2k	2k	2k	1k	1k	cd
100%	96%	85%	69%	50%	32%	20%	11%	7%	4%	3%	3%	2%	2%	2%	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
150k	144k	126k	102k	75k	51k	33k	20k	13k	9k	6k	5k	4k	3k	3k	2k	2k	2k	2k	1k	cd
100%	96%	85%	68%	50%	34%	22%	14%	9%	6%	4%	3%	3%	2%	2%	2%	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
150k	144k	128k	103k	74k	48k	29k	17k	10k	7k	5k	4k	3k	3k	2k	2k	2k	2k	1k	1k	cd
100%	96%	85%	69%	50%	32%	20%	11%	7%	4%	3%	3%	2%	2%	2%	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
150k	144k	126k	102k	75k	51k	33k	20k	13k	9k	6k	5k	4k	3k	3k	2k	2k	2k	2k	1k	cd
100%	96%	85%	68%	50%	34%	22%	14%	9%	6%	4%	3%	3%	2%	2%	2%	1%	1%	1%	1%	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	1.626%

Input power curve

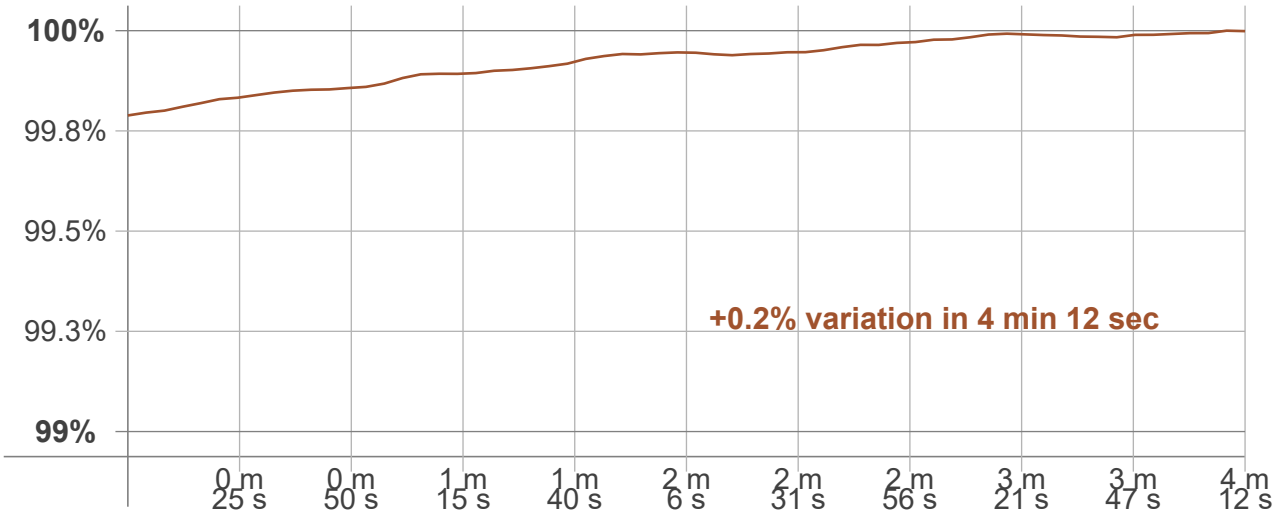
Efficiency

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	4745 lm
Warmup variation	0.2202%	Output change	9.44 lm
		Output end	4755 lm

Stabilization Curve



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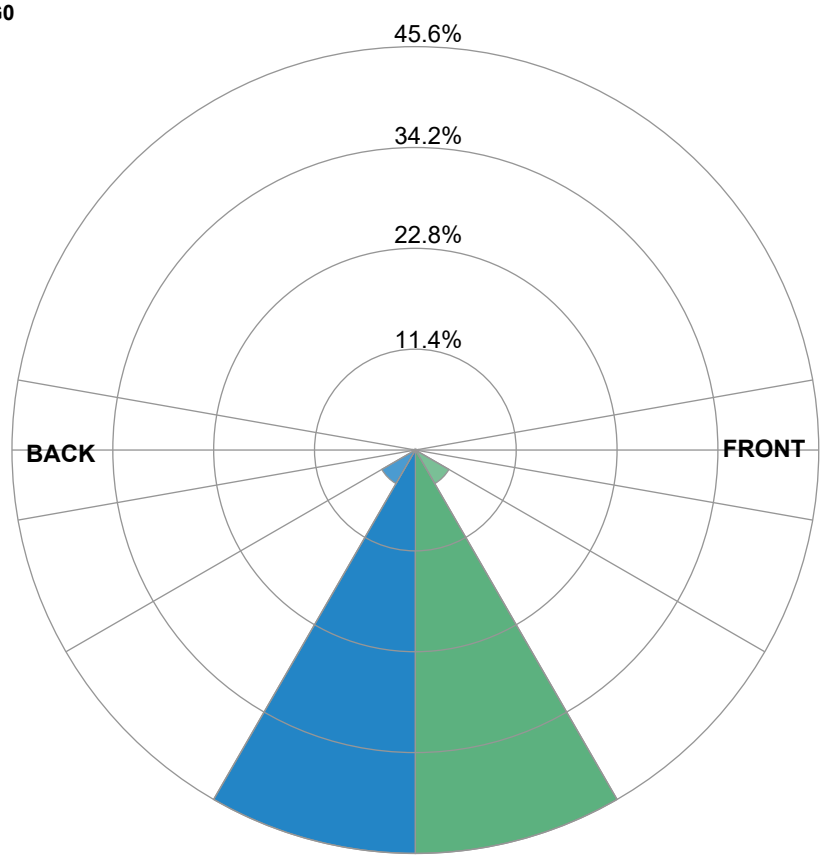
FL200-G2-XXX-RGBW3083-OM-7-INF-XXXXX-X (G)

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

Forward Light			
Low (0-30°)	2170	lm	45.6%
Medium (30-60°)	208	lm	4.38%
High (60-80°)	1.93	lm	0.0405%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	2170	lm	45.6%
Medium (30-60°)	208	lm	4.38%
High (60-80°)	1.93	lm	0.0405%
Very High (80-90°)	0	lm	0%
Uplight			
Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%
Total			
Sum	4755	lm	100%

BUG RATING B3 U0 G0