Photometric Test Report

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

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.17-7368-VO
Measurement date	2026-03-17

Measurement Conditions

Tested c-planes	36 planes – 10.00°
Tested gamma resolution	0.36°
Input Power	0 W

Electrical Data

Input Power	0 W
Input Voltage	116.9 V DC
Input Current	0.00 A
Power Factor	NaN

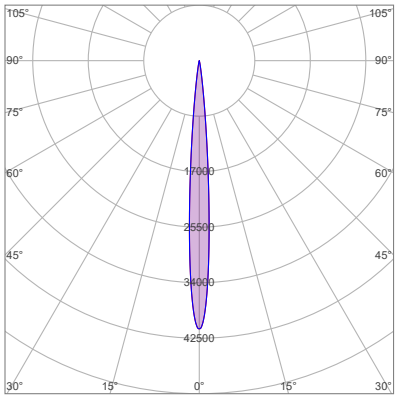
Tested Light Source

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

Main Light Measurement Results

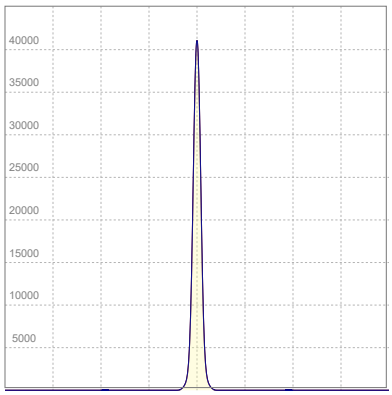
Output – Total Lumen	995.9 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	41001
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	8.1°
Beam Angle (FWHM) | C90/270	8.1°
Field Angle (10%) | C0/180	14.9°Unit: 0-100% of peak intensity
Optical Power	22043 mW
Peak Wavelength	455 nm
Dominant Wavelength	459 nm

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

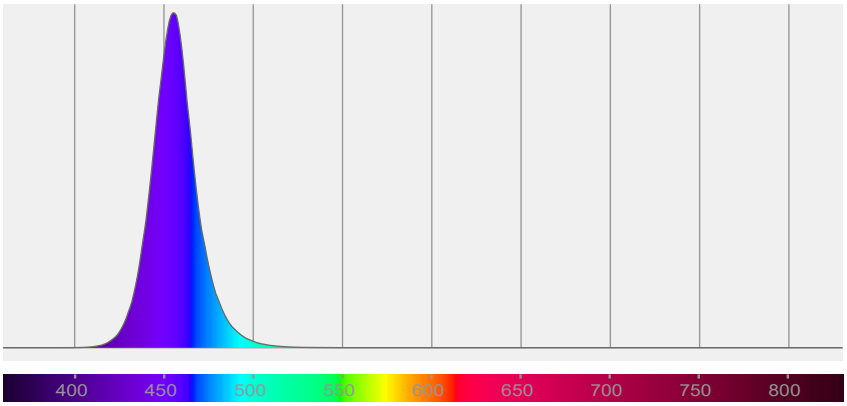


C0 - C180
C90 - C270
η = 100%

Linear distribution Diagram



Spectral Distribution



Color Temperature

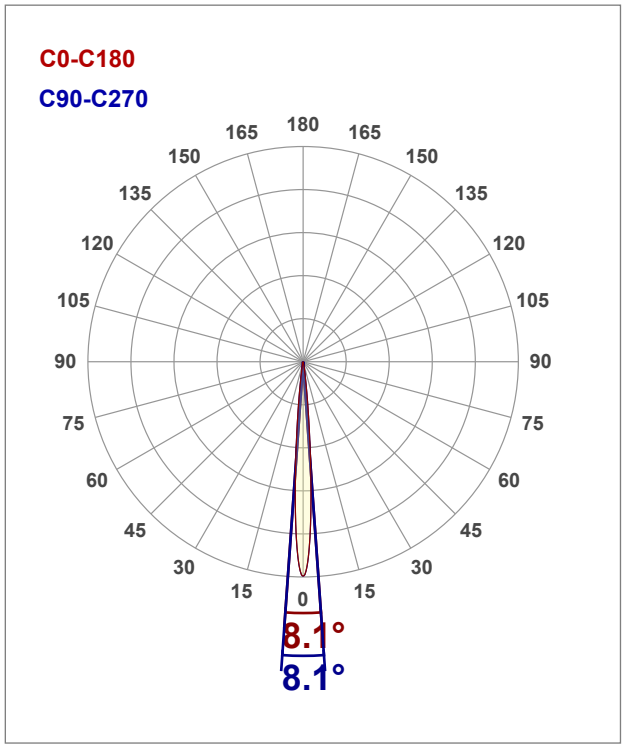
NaN K

Photometric Test Report

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

Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	995.9 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	41001 cd
Beam Angle (50%-FWHM)	8.1°

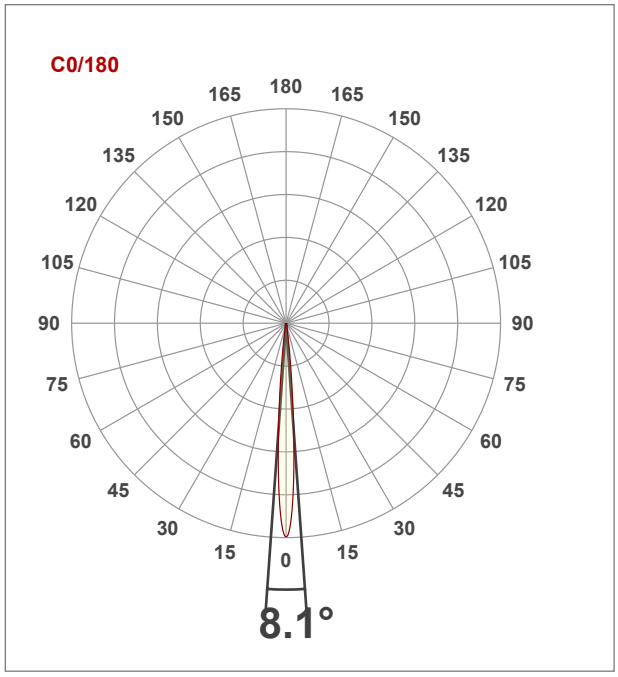
EU Ecodesign parameters

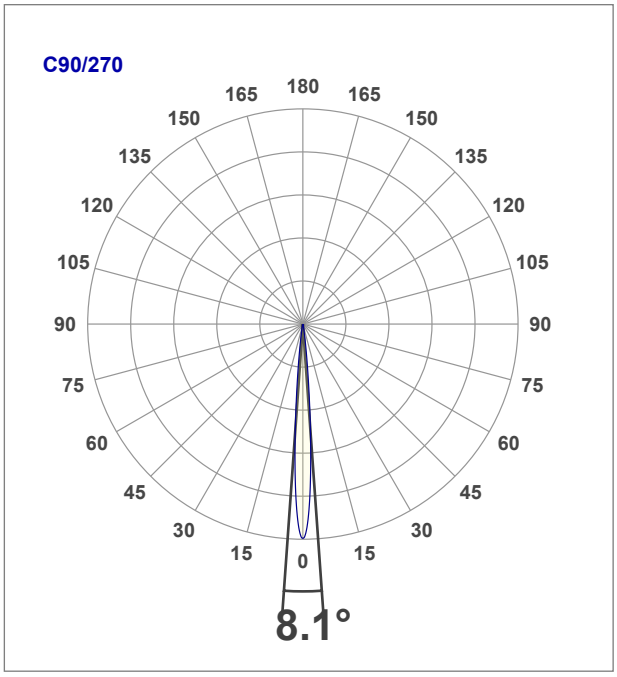
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	995.9 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution

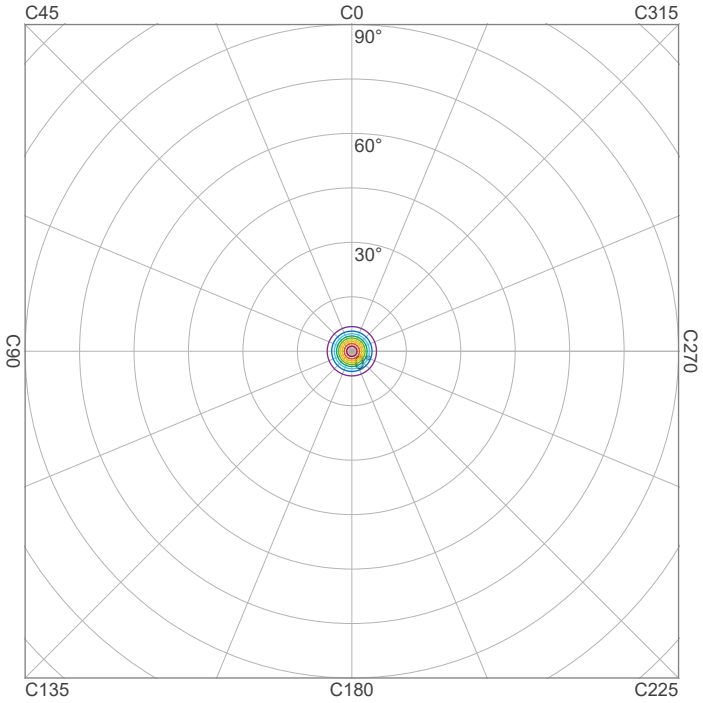




Photometric Test Report

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

Iso-intensity Diagram (Iso-candela)

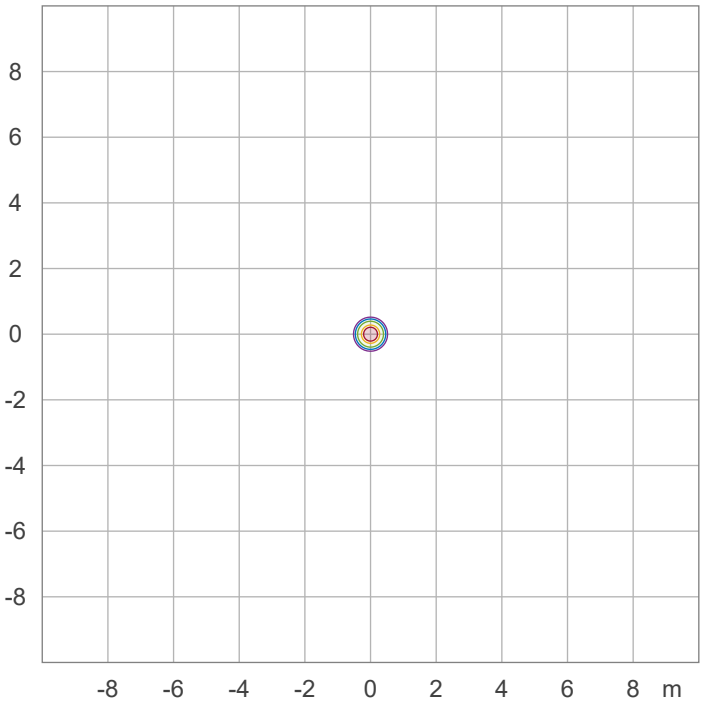


90 %	36900.5 cd
80 %	32800.4 cd
70 %	28700.4 cd
60 %	24600.3 cd
50 %	20500.3 cd
40 %	16400.2 cd
30 %	12300.2 cd
20 %	8200.1 cd
10 %	4100.1 cd

Peak intensity: 41000.5 cd

Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	2278 lx
30.0 %	1367 lx
10.0 %	456 lx
5.0 %	228 lx
3.0 %	137 lx

Peak illuminance: 4556 lx

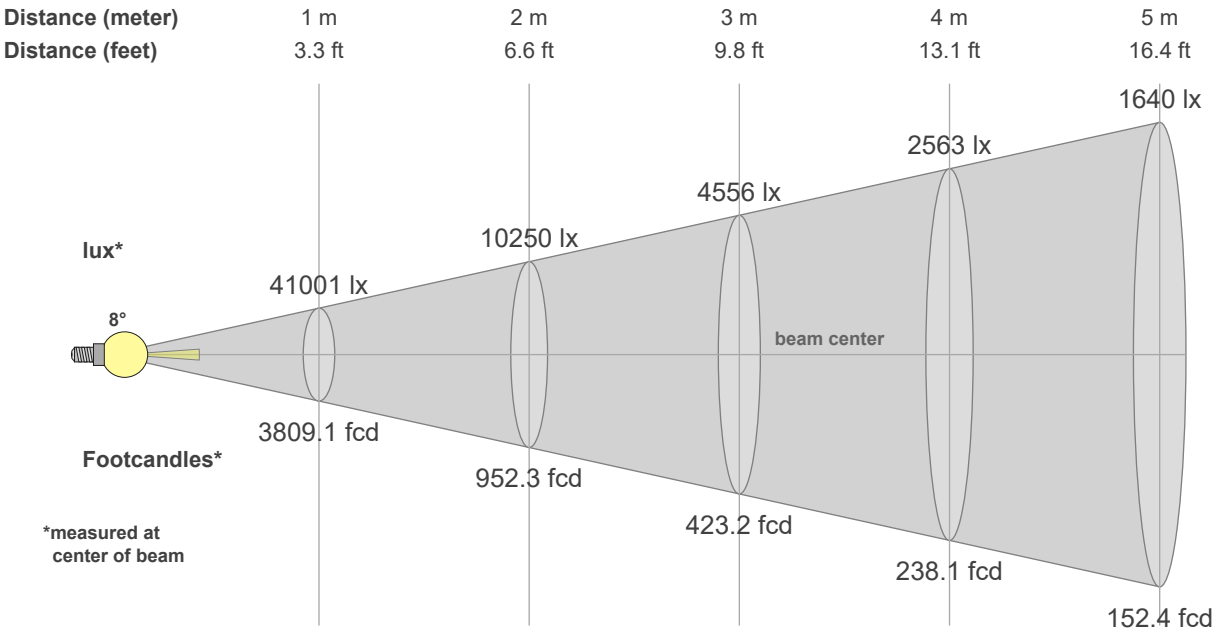
Mounting height: 3 m

Number of c-planes: 36

Photometric Test Report

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

Beam details



Photometric Test Report

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

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
41001	10250	4556	2563	1640	1139	837	641	506	410	339	285	243	209	182	160	142	127	114	103	lux
3809.1	952.3	423.2	238.1	152.4	105.8	77.7	59.5	47	38.1	31.5	26.5	22.5	19.4	16.9	14.9	13.2	11.8	10.6	9.5	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
41.0k	39.5k	35.0k	28.4k	20.9k	14.1k	8.8k	5.3k	3.1k	1.9k	1.2k	0.8k	0.5k	0.3k	0.2k	0.1k	0.0k	0.0k	0.0k	0.0k	cd
100%	96%	85%	69%	51%	34%	22%	13%	8%	5%	3%	2%	1%	1%	1%	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
41.0k	39.5k	35.0k	28.4k	20.9k	14.1k	8.8k	5.3k	3.1k	1.9k	1.2k	0.8k	0.5k	0.3k	0.2k	0.1k	0.0k	0.0k	0.0k	0.0k	cd
100%	96%	85%	69%	51%	34%	22%	13%	8%	5%	3%	2%	1%	1%	1%	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
41.0k	39.5k	35.0k	28.4k	20.9k	14.1k	8.8k	5.3k	3.1k	1.9k	1.2k	0.8k	0.5k	0.3k	0.2k	0.1k	0.0k	0.0k	0.0k	0.0k	cd
100%	96%	85%	69%	51%	34%	22%	13%	8%	5%	3%	2%	1%	1%	1%	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
41.0k	39.5k	35.0k	28.4k	20.9k	14.1k	8.8k	5.3k	3.1k	1.9k	1.2k	0.8k	0.5k	0.3k	0.2k	0.1k	0.0k	0.0k	0.0k	0.0k	cd
100%	96%	85%	69%	51%	34%	22%	13%	8%	5%	3%	2%	1%	1%	1%	0%	0%	0%	0%	0%	of 0°val

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

Power details

Input power	
Frequency of input power	60.0 Hz
Power feed to light source	0 W
RMS Input voltage feed V,RMS	116.9 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	1.815%

Input power curve

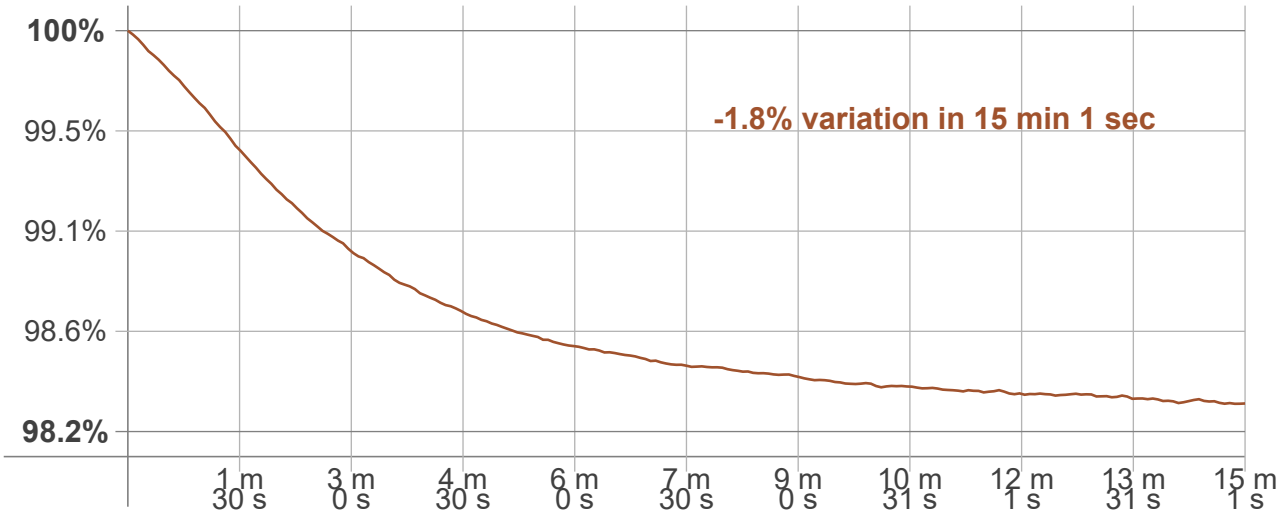
Efficiency

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	1013 lm
Warmup variation	-1.8106%	Output change	-17.555 lm
		Output end	995.9 lm

Stabilization Curve



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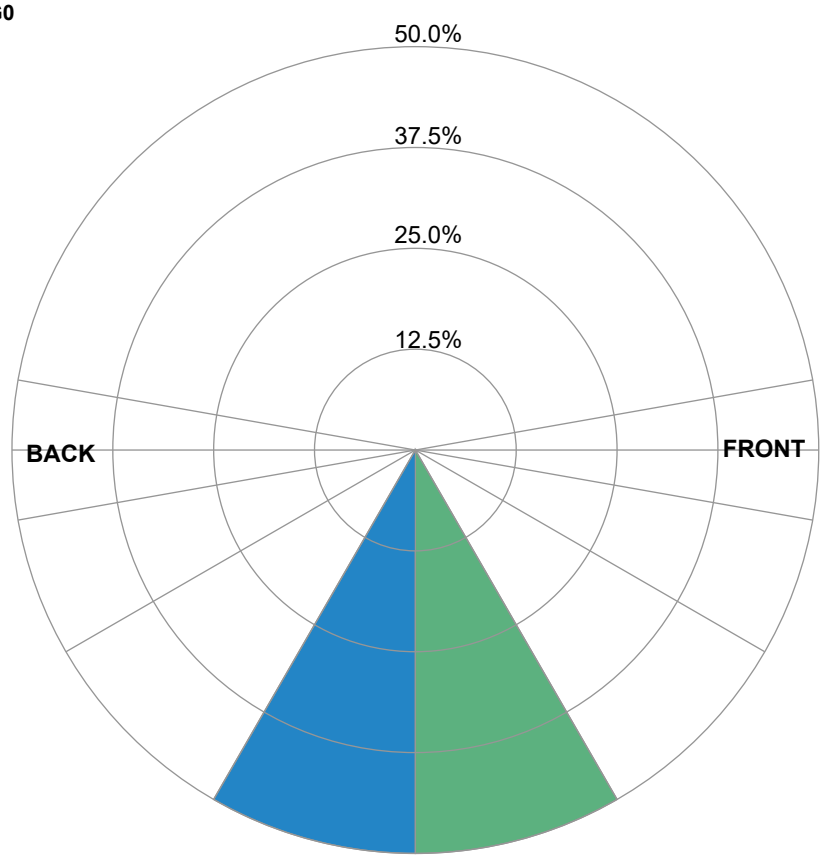
FL200-G2-XXX-RGBW3083-OM-7L-INF-XXXXX-X (B)

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

Forward Light			
Low (0-30°)	498	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°)	498	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	995.9	lm	100%

BUG RATING B1 U0 G0