Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-10L-INF-XXXX-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.Jun.02-9287-VO
Measurement date	2026-06-02

Measurement Conditions

Tested c-planes	36 planes – 10.00°
Tested gamma resolution	0.45°
Input Power	2.67 W

Electrical Data

Input Power	2.67 W
Input Voltage	381.5 V DC
Input Current	7.00 A
Power Factor	1.00

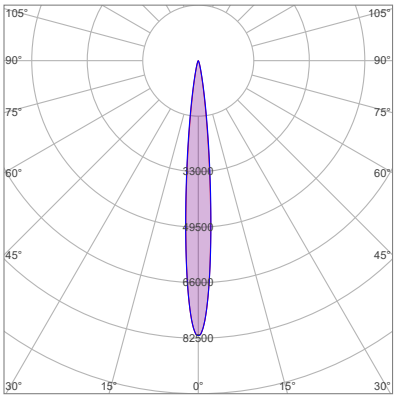
Tested Light Source

Product family	FL-200
Luminaire configuration	FL200-G2-XXX-RGBW3083-OM-10L-INF-XXXX-X (ALL ON)
Manufacturer	GVA Lighting, Inc.
Size (width x length x height)	106 mm 0 mm x 430 mm

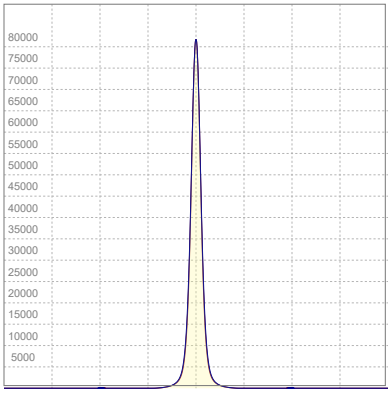
Main Light Measurement Results

Output – Total Lumen	3923 - 0% / 100%
Efficiency	1469 lm/W
Peak Intensity	81787
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	10.1°
Beam Angle (FWHM) | C90/270	10.3°
Field Angle (10%) | C0/180	20.6°Unit: 0-100% of peak intensity
Optical Power	16570 mW
Peak Wavelength	453 nm
Dominant Wavelength	538 nm

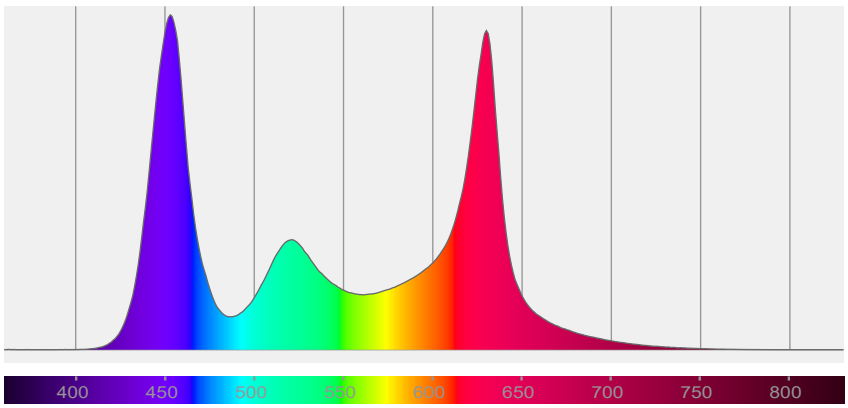
Polar Light Distribution Diagram
Unit: 0-100% of peak intensity



Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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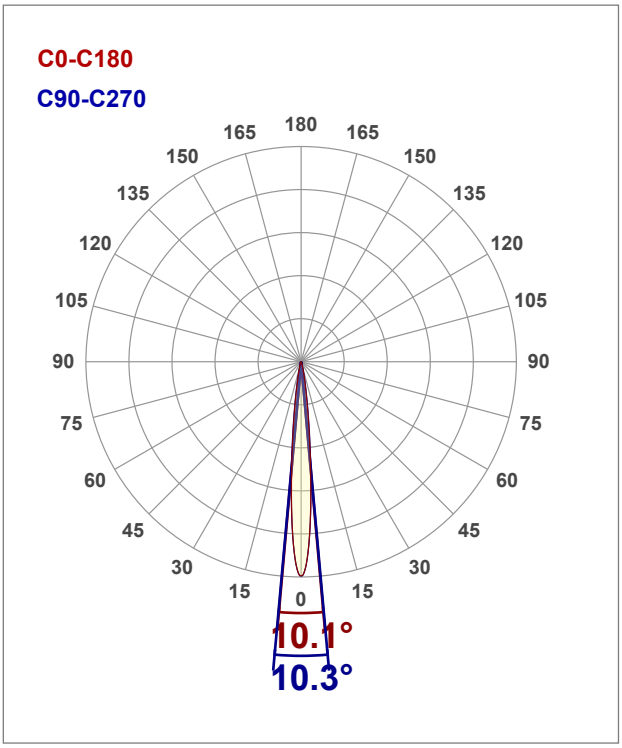
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	3923 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	81787 cd
Beam Angle (50%-FWHM)	10.2°

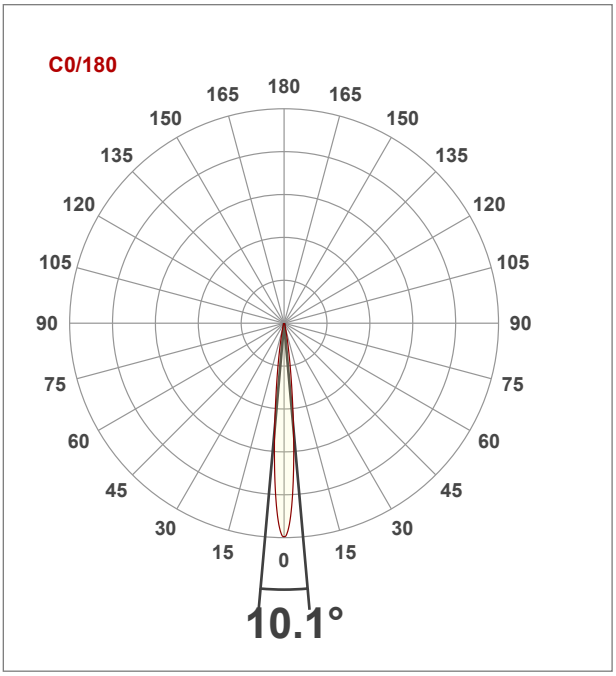
EU Ecodesign parameters

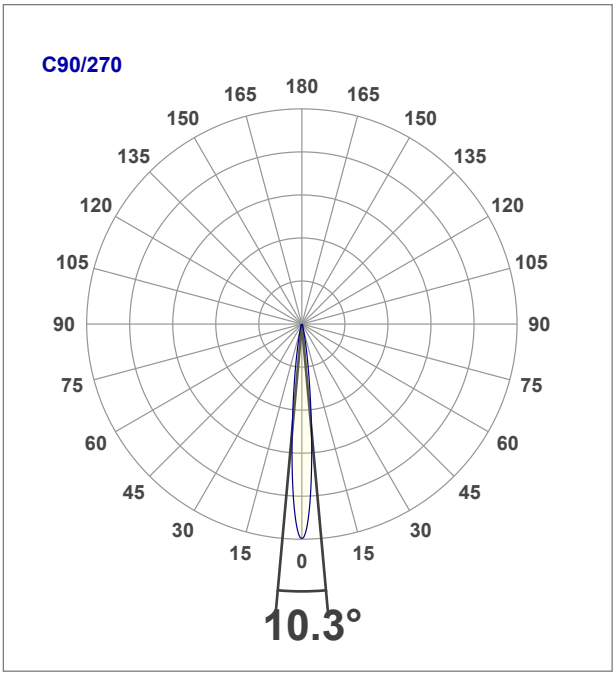
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	3923 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution





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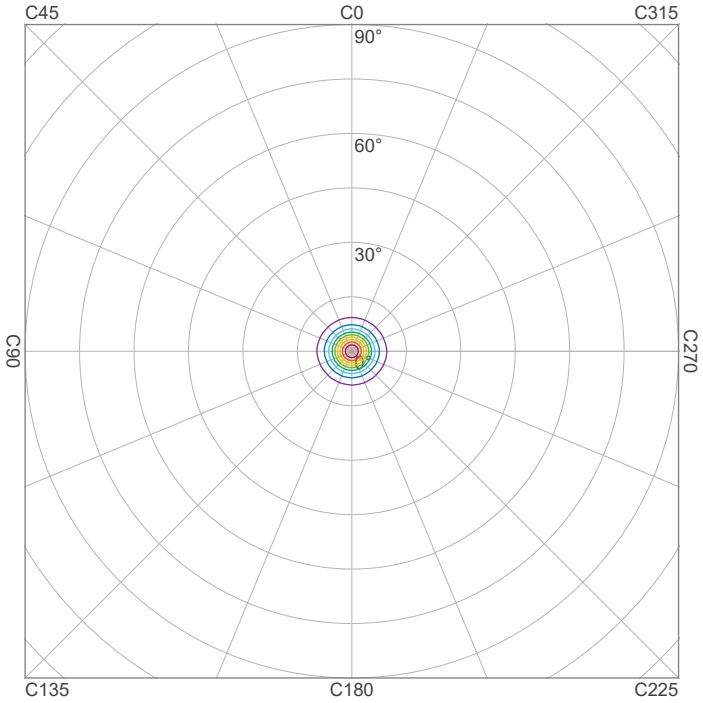
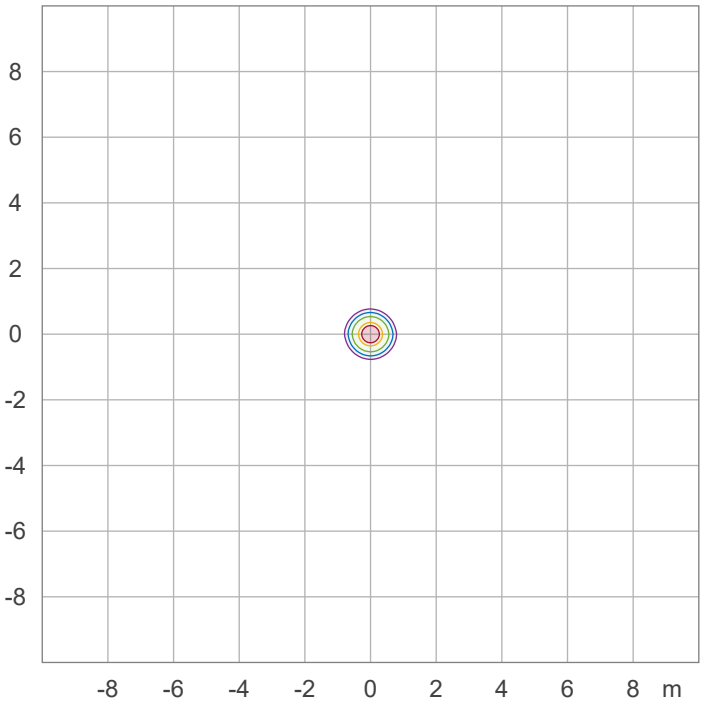
Iso-intensity Diagram (Iso-candela)



90 %	73474.4 cd
80 %	65310.6 cd
70 %	57146.8 cd
60 %	48982.9 cd
50 %	40819.1 cd
40 %	32655.3 cd
30 %	24491.5 cd
20 %	16327.6 cd
10 %	8163.8 cd

Peak intensity: 81638.2 cd
Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	4535 lx
30.0 %	2721 lx
10.0 %	907 lx
5.0 %	454 lx
3.0 %	272 lx

Peak illuminance: 9071 lx
Mounting height: 3 m
Number of c-planes: 36

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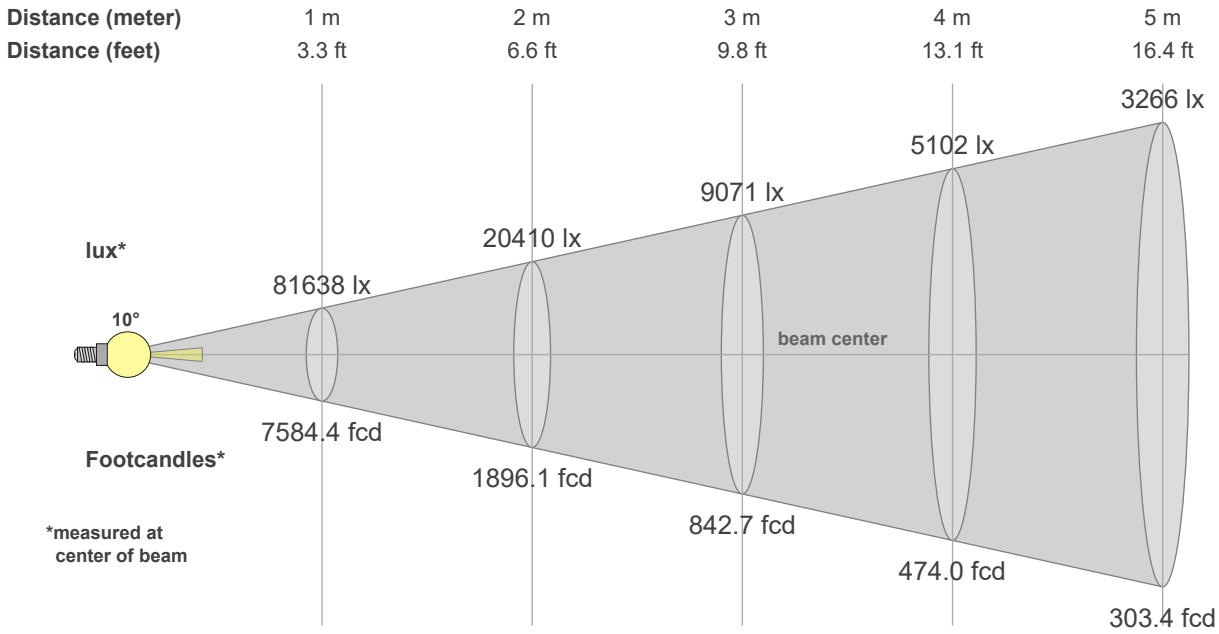
Beam details



Beam width (meter)	0.2 m	0.4 m	0.5 m	0.7 m	0.9 m
Beam width (feet)	0.6 ft	1.2 ft	1.8 ft	2.3 ft	2.9 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
81638	20410	9071	5102	3266	2268	1666	1276	1008	816	675	567	483	417	363	319	282	252	226	204	lux
7584.4	1896.1	842.7	474	303.4	210.7	154.8	118.5	93.6	75.8	62.7	52.7	44.9	38.7	33.7	29.6	26.2	23.4	21	19	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
81.6k	79.5k	73.2k	63.8k	52.7k	41.5k	31.5k	23.4k	17.0k	12.4k	9.0k	6.6k	4.9k	3.7k	2.9k	2.3k	1.9k	1.6k	1.3k	1.1k	cd
100%	97%	90%	78%	65%	51%	39%	29%	21%	15%	11%	8%	6%	5%	4%	3%	2%	2%	2%	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
81.6k	79.5k	73.2k	64.1k	53.4k	42.6k	32.9k	24.8k	18.4k	13.6k	10.0k	7.4k	5.5k	4.2k	3.3k	2.6k	2.1k	1.7k	1.4k	1.2k	cd
100%	97%	90%	79%	65%	52%	40%	30%	23%	17%	12%	9%	7%	5%	4%	3%	3%	2%	2%	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
81.6k	79.5k	73.2k	63.8k	52.7k	41.5k	31.5k	23.4k	17.0k	12.4k	9.0k	6.6k	4.9k	3.7k	2.9k	2.3k	1.9k	1.6k	1.3k	1.1k	cd
100%	97%	90%	78%	65%	51%	39%	29%	21%	15%	11%	8%	6%	5%	4%	3%	2%	2%	2%	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
81.6k	79.5k	73.2k	64.1k	53.4k	42.6k	32.9k	24.8k	18.4k	13.6k	10.0k	7.4k	5.5k	4.2k	3.3k	2.6k	2.1k	1.7k	1.4k	1.2k	cd
100%	97%	90%	79%	65%	52%	40%	30%	23%	17%	12%	9%	7%	5%	4%	3%	3%	2%	2%	1%	of 0°val

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Power details

Input power	
Frequency of input power	0.0 Hz
Power feed to light source	2.67 W
RMS Input voltage feed V,RMS	381.5 V
RMS Input current feed I,RMS	7.00 A
Volt-Amp or apparent power = V,RMS*I,RMS	2.7 VA
Displacement factor of AC power feed	1.00
Power factor of AC current feed	1.00
Total harmonic distortion of the current	0%
Total harmonic distortion of the voltage	0%

Input power curve

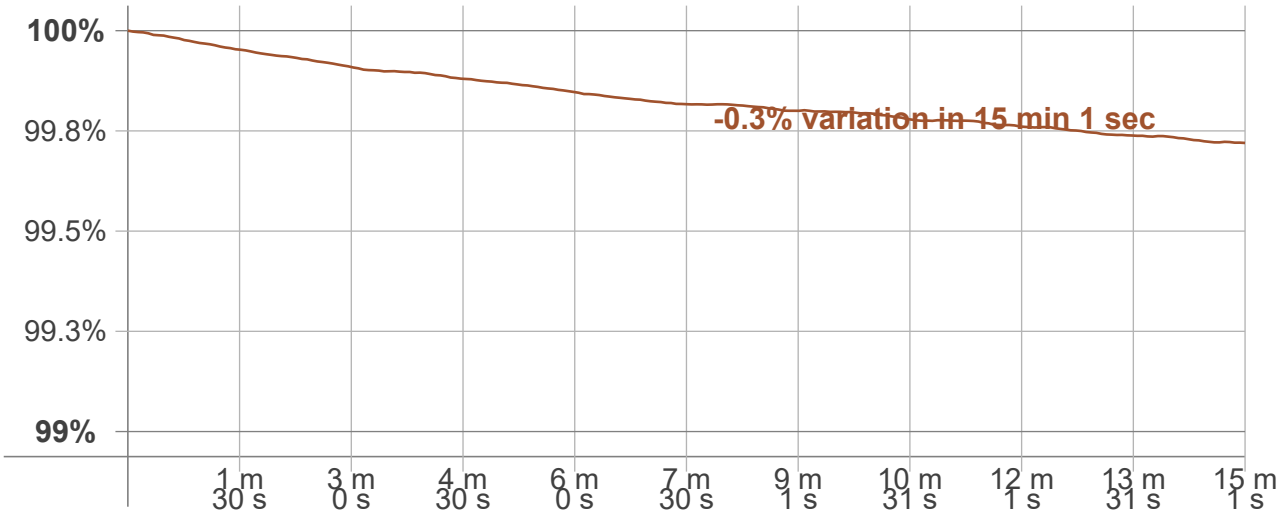
Efficiency

Radiated power efficiency	620.5
Lumen efficiency	1469 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	3935 lm
Warmup variation	-0.2954%	Output change	-11.308 lm
		Output end	3923 lm

Stabilization Curve



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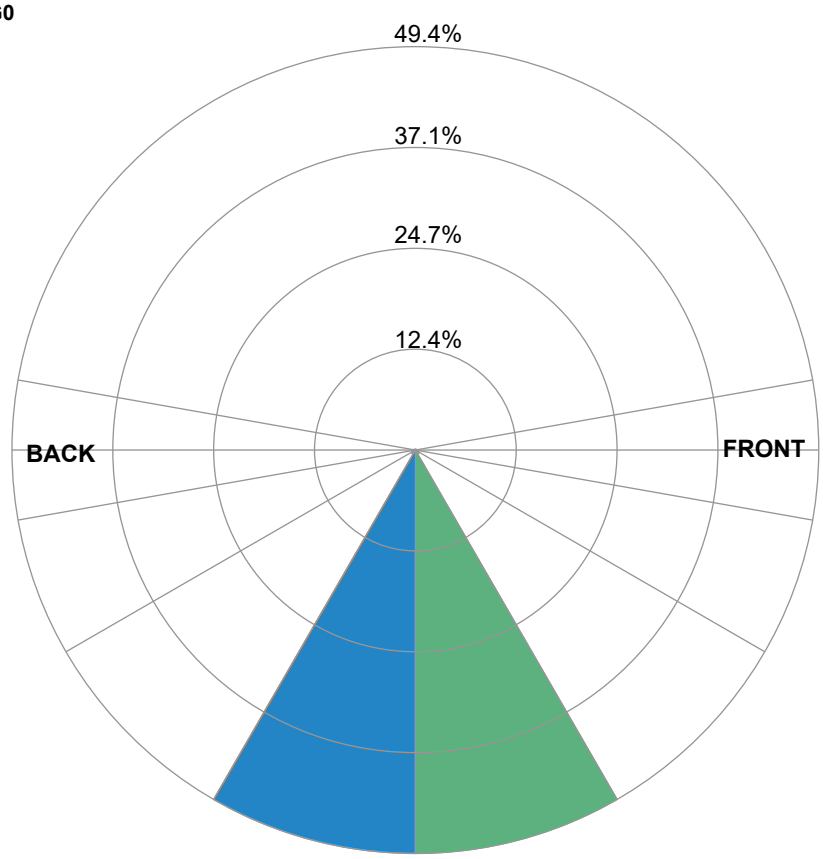
FL200-G2-XXX-RGBW3083-OM-10L-INF-XXXX-X (ALL ON)

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

Forward Light			
Low (0-30°)	1940	lm	49.4%
Medium (30-60°)	22.5	lm	0.574%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	1940	lm	49.4%
Medium (30-60°)	22.5	lm	0.574%
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	3923	lm	100%

BUG RATING B3 U0 G0