



Test Report

Report Number

HY-2025-JN-005D

Sample Description

LED

Model Specification

ASL1-SW1

Title of Client

Jiangxi LatticePower Semiconductor
Co., Ltd

Inspection Items

Near-field Optical Distribution Test

Service Category

Commission Test

GKTech Co., Ltd.

报告专用章

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- 3. The result of this report applies to the inspected sample(s) only.**
- 4. The report is for consignee and should not be considered as a legal certificate for the public.**
- 5. To modify or delete the result of this report is invalid.**
- 6. All data in this report are from HKUST LED-FPD Technology R&D Center at Foshan.**
- 7. If any query or feedback please inform us within 15 working days after receiving of this report.**

**Address: Unit 304, Floor 3, Building 7, Block A, Hantian Industrial Park, Foshan,
Guangdong, China.**

Postcode: 528200

Contact Phone No.: 0757-86081849

Fax: 0757-86081835

Test Report

Report No.: HY-2025-JN-005D

Sample Description	LED	Service Category	Commission Test
Model Specification	ASL1-SW1	Trade Mark	/
Title of Client	Jiangxi LatticePower Semiconductor Co., Ltd		
Inspection Items	Near-field Optical Distribution Test		
Sample Receiving Date	2025.01.18	Inspection Qty.	1pc
Sample Appearance	Intact	Inspection Date	2025.01.20
Inspection Site	Unit 304, Floor 3, Building 7, Block A, Hantian Industrial Park, Foshan, Guangdong, China.		
Inspection Conditions of Environment	Temperature: 23±3℃, Relative Humidity: 40~60%		
Inspection Specification/ Standard/Method	LAB-WI-013-C/0 《Operation Instruction of Near-field Optical Distribution Test》		
Inspection Conclusion	This report only provides measured values. 		
Title of Client	Address: /		
	Phone: /	Phone: /	
Note	/		

Approved by: 谢育仁

Reviewed by: 赵惠科

Prepared by: 黄世奎

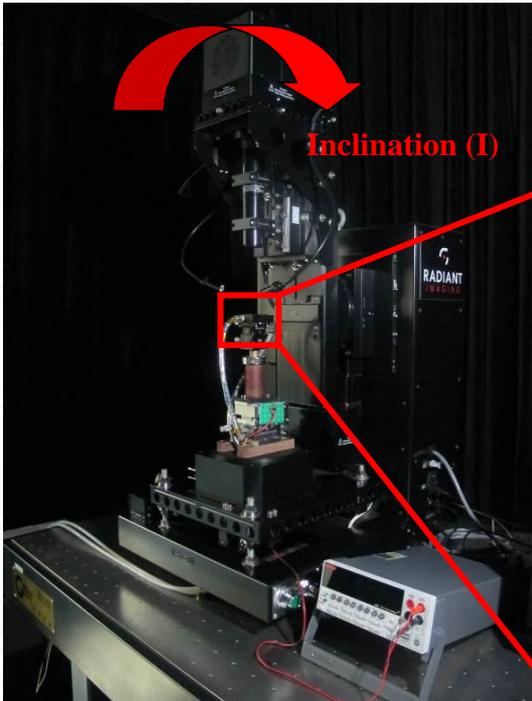
Date: 2025.01.22

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Test Equipment(s) & Software									
No.	Name				Model		Management No.		
1	Source Imaging Goniometer				SIG 400		FSLDA20012		
Software version		SIG version 2.2							
Test conditions									
The measurement on this report is with spectrum.									
Model Specification	Constant Current Driving		Angle				Rescaled with data supplied by Center		Global Coordinate Origin
	Current (A)	Voltage (V)	Inclination (I)		Azimuth (A)				
ASL1-SW1	1	3.31	Range	Step	Range	Step	x	0.3176	At the top surface center of the light emitting area
			0°~90°	5°	0°~360°	5°	y	0.3190	
							Φ	413.3 1m	
Sample	 <p>(a)LED on the PCB</p>				 <p>(b)LED</p>				
ASL1-SW1									
Test Equipment	 <p>Inclination (I)</p>				 <p>Azimuth (A)</p>				
Fig.1 Source imaging goniometer SIG 400					Fig.2 Test holder				

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ASL1-SW1 Test Description and Results

1. Position of Global Coordinate Origin (Pseudo Focal Point: $x=0.0045\text{mm}$, $y=-0.0031\text{mm}$, $z=-0.0343\text{mm}$)

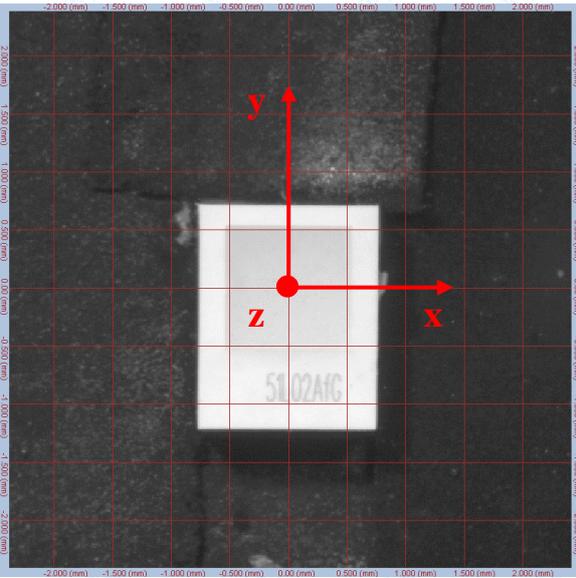


Fig.3 $I=0^\circ$, $A=0^\circ$

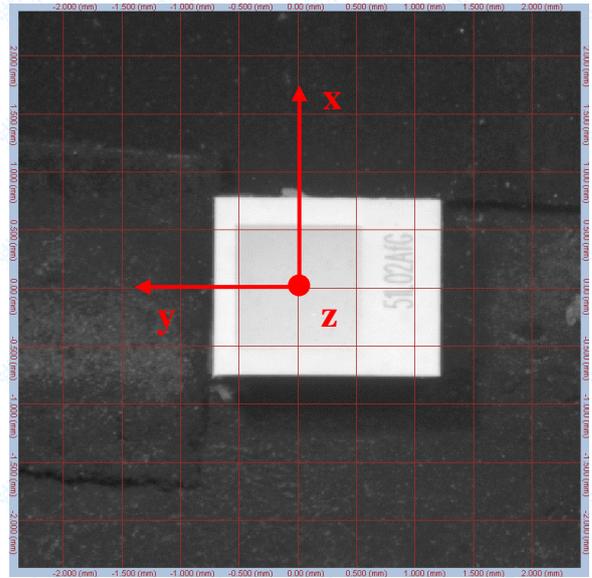


Fig.4 $I=0^\circ$, $A=90^\circ$

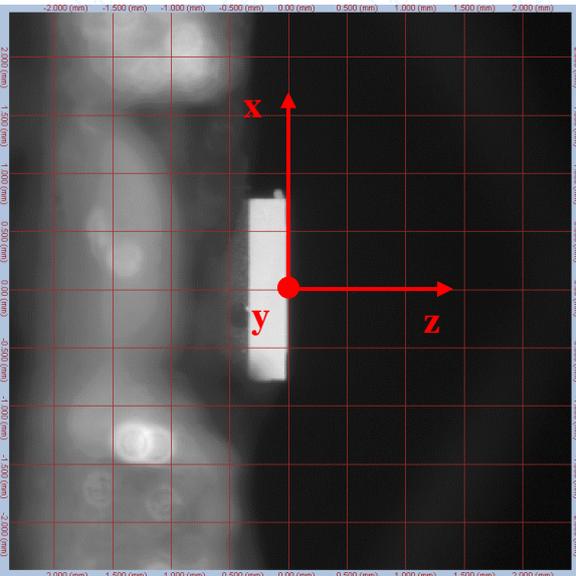


Fig.5 $I=90^\circ$, $A=90^\circ$

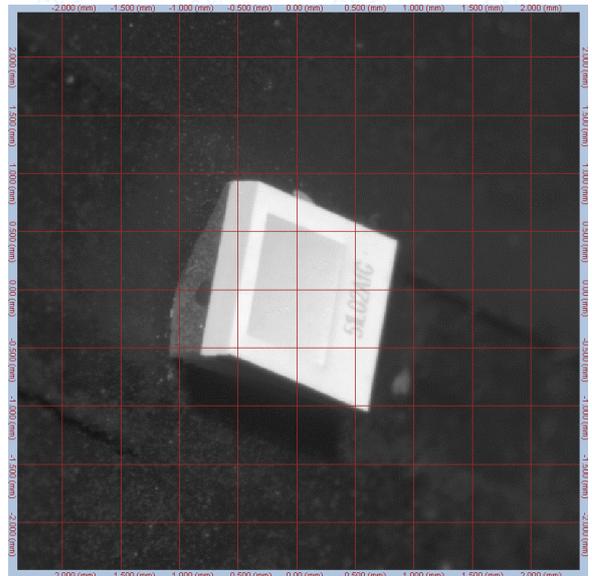


Fig.6 $I=50^\circ$, $A=75^\circ$

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2. Test Results

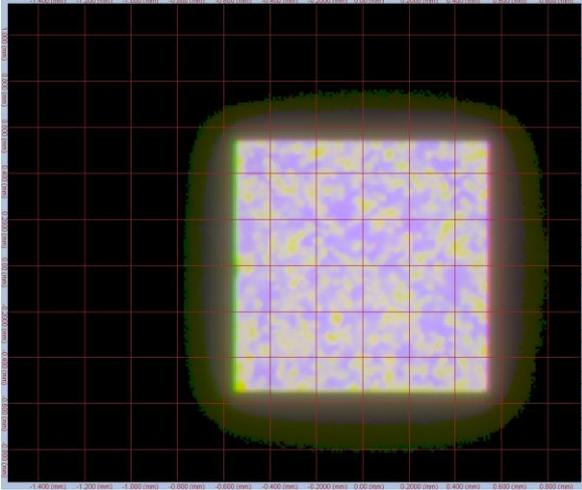


Fig.7 True Color- Top View

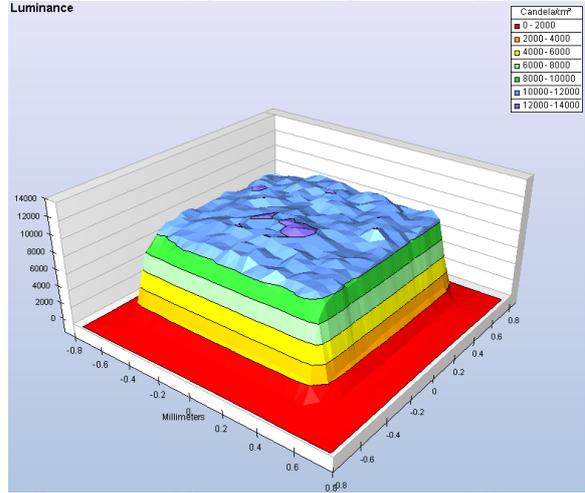


Fig.8 3D Iso-Plot

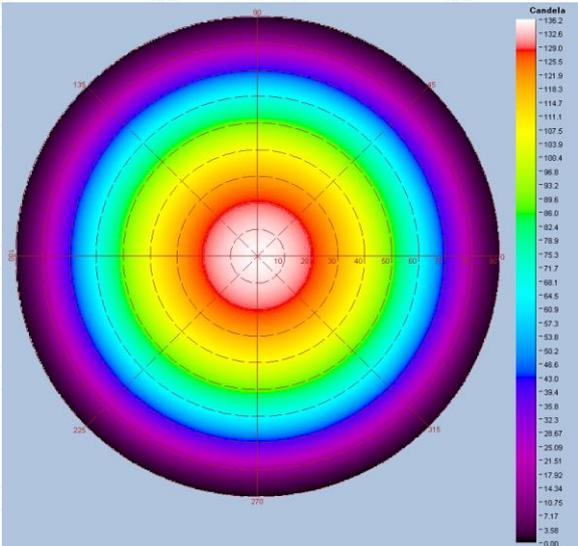


Fig.9 Intensity- Radar Plot

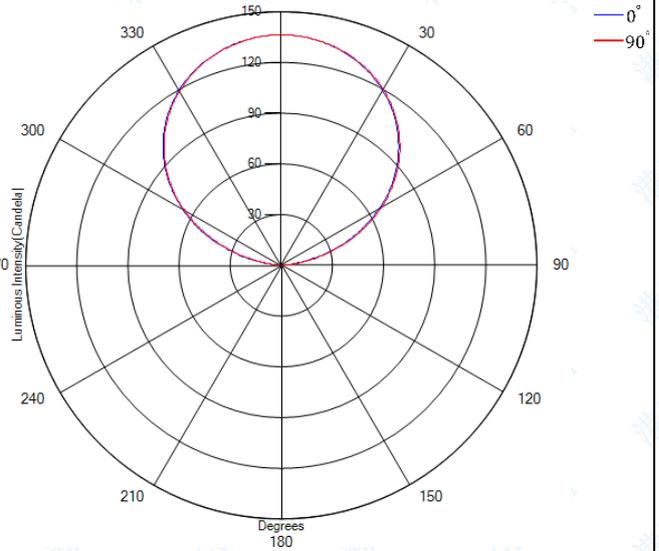


Fig.10 Polar Candela Distribution

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