BlueSky Lab LLP

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TC-9825

TEST REPORT

TEST REPORT NO:	BSL/TR/ET/26G22007	**Page No.:** 1 of 8	
ULR NUMBER:	TC982526000001051F	**DATE OF ISSUE:**	29/07/2026

NAME OF LABORATORY	**BLUESKY LAB LLP**
ADDRESS OF LABORATORY	1st, 2nd, 3rd Floor, Plot no 62, 63 Ganga Enclave, Behta Hajipur, Loni Border, Main Delhi Saharanpur Road, Near Johri Enclave Metro Station, Ghaziabad, Uttar Pradesh-201102
NAME OF CUSTOMER	**Aura Bright Light India Pvt Ltd.**
CUSTOMER ADDRESS	No.3 Shayona Silver Estate, Nr. Silver Oak University, Gota, Ahmedabad, Gujarat 382481

TEST ITEM DESCRIPTION			
PRODUCT NAME	Flood - Deep Recessed Spotlight	**SAMPLE CONDITION**	Good
DATE OF RECEIPT	22/07/2026	**NO. OF SAMPLE**	01
RECEIPT NUMBER	BSL/ET/26G22007	**SERIAL NO.**	Nil
MODEL	ABL-FL-45-49	**TRADE MARK**	aura
RATINGS / SPECIFICATIONS	110-240VAC, 50Hz, 49W, IP65, IK10, 2700K		

TEST SPECIFICATION			
TEST METHOD/ STANDARD	IES LM-79-08/IS 16106:2012, IEC 60529:1989+A1:1999+A2:2013, IEC 62262:2002		
TEST START DATE	24/07/2026	**TEST END DATE**	28/07/2026
ENVIRONMENTAL CONDITION	(25±1)°C& (23±5)°C /<70%Rh	**TEST REPORT FORMAT**	BSL/F7.8/TRF/LM79-08
OTHER ASPECTS	This report consists of 08 pages with attachments.		

CONCLUSION	
TEST RESULT	**The test results Conforms/~~Did not conform~~ to the requirement of the standard/test protocol based on the obtained test values/results mentioned in the test report.**
REMARKS	**- Compliance statement in the report has been made considering decision rule as inherent in its test standard and latest version of ILAC G-8.** **- The test result presented in this test report relate only to the object tested.** **- This report shall not be re-produce except in full without the written approval of the issuing testing laboratory.** **- The Laboratory is not responsible for all the information is provided by the customer.**

Tested By:	**Reviewed By:/Authorized Signatory:**	**Issued By:**
	Bluesky Lab LLP INDIA	
Testing Engineer: Sandeep Kumar	**C.E.O.: Kapil Kumar Dhaka**	**CSO.: Vinod Kumar**
DATE: 29/07/2026	**DATE: 29/07/2026**	**DATE: 29/07/2026**

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Table – List of Attachments

Attachment No.	Attachment Description	Page No.
Attachment No. 1	Luminous Intensity Distribution Curve	07
Attachment No. 2	Spectrum Test Result	08

Possible test case verdicts:

- test case does not apply to the test object ..... : N/A
- test object does meet the requirement ..... : P (Pass)
- test object does not meet the requirement ..... : F (Fail)

Condition of samples.....: GOOD

Testing .....:

Date of receipt of test item ..... : 22/07/2026

Date(s) of performance of tests..... : 24/07/2026 to 29/07/2026

Laboratory conditions .....:

Ambient Temperature..... : (25±1)°C& (23±5)°C

Ambient Humidity ..... : <70%RH

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Details of Test Equipment Used

Equipment Calibration status:

S. No.	Equipment Detail	Model	Equipment ID	Valid up to	Calibrated By
1.	Goniophotometer	LSG-5000	BSL-EQ-198	18/09/2026	In House Calibration with Standard lamp
2.	Measured Standard Lamp (150W, Tungsten halogen lamp, Omni-directional)	SLS-150W	BSL-EQ-207	14/11/2026	Shanghai Institute of Quality Inspection and Technical Research
3.	Digital Power Meter	LS2010	BSL-EQ-194	23/01/2027	PV Calibration Laboratory Pvt. Ltd.
4.	Digital AC Power Source	LSP-1KVARS	BSL-EQ-196	23/01/2027	PV Calibration Laboratory Pvt. Ltd.

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Details of Tests Performed and Result

S. No.	Test Parameter	IES No. and Cl. No.
1.	Input RMS AC Voltage	IES LM79-08/Cl. No.: 8.0
2.	Input RMS AC Current	IES LM79-08/Cl. No.: 8.0
3.	Input AC Power	IES LM79-08/Cl. No.: 8.0
4.	Power factor	As per customer's request
5.	Frequency	IES LM79-08/Cl. No.: 8.0
6.	Total Luminous Flux	IES LM79-08/Cl. No.: 9.0
7.	Luminous Intensity Distribution	IES LM79-08/Cl. No.: 10.0
8.	Luminous Efficacy	IES LM79-08/Cl. No.: 11.0
9.	Chromaticity Coordinates	IES LM79-08/Cl. No.: 12.0
10.	Correlated Colour Temperature	IES LM79-08/Cl. No.: 12.0
11.	Colour Rendering Index	IES LM79-08/Cl. No.: 12.0

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Discipline: Photometry **Group:** Luminaires

Cl. No.	Test / Requirement name	Test result/ observation
8.0	Electrical Instrumentation The Electrical Characteristics measured for AC Powered SSL Products are	See below
	1.Input RMS AC Voltage	240VAC
	2. Input RMS AC Current	0.204A
	3. Input AC Power	48.28W
	4. Power Factor	0.9850
	5. Frequency	50.0Hz
9.0	Total Luminous Flux	4981.53 lm
10.0	Luminous Intensity Distribution	See Attachment No. 1
	Center Beam Candlepower (CBCP)	14025.0 cd
	Beam Angle (50%) C0-180, C90-270	33.2°, 34.1°
11.0	Luminous Efficacy	103.18 lm/W
12.0	Color Characteristics (Centre) (Average)	See below
	1. Chromaticity Coordinates	x=0.4565 y=0.4096
	2. Correlated Color Temperature (Average)	2740K
	3. Color Rendering Index (Average)	Ra = 84.5

Test Method (Goniophotometer):

1. The sample was tested according to the IES LM-79-2008.
2. The condition of the sample tested was new. Stabilization time before testing was 120 minutes total Measurement time is 30 minutes.
3. Orientation (burning position) of SSL product during testing was its normal burning position i.e. at zero degree inclination to horizontal.
4. Electrical measurements were obtained with a LISUN LS2010 digital power meter.
5. Photometric parameters (**Luminous Intensity Distribution**) are obtained using C-type Goniophotometer and software.
6. The ambient temperature was maintained at (25 ± 1) ° C during testing.
7. The test distance is more than 5 times the maximum light emitting area.
8. The sample was operated at 240VAC. It was stabilized before measurement. No deviation from standard operating procedures.

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Discipline: ELECTRICAL **Group:** ENVIRONMENTAL TEST FACILITY

Sr. No.	Cl. No./ Test Name	Requirement	Test Observation /Result	Verdict
1.	**IP 65 test** (As per IEC 60529:1989+ A1:1999+A2:2013)	**Cl. No. 13.4 & 13.6:** For First Characteristic Numerical 6 Protection against solid foreign object: Dust tight – No ingress of dust **Test Conditions:** 1) Nominal wire diameter: 50 µm. 2) Nominal width of a gap between wires: 75 µm. 3) Amount of talcum powder: 2kg/m^3. 4) Depression: 2kPa (20 mbar). 1) Test duration: 8hrs.	After the test, No dust found inside of enclosure	Pass
		Cl. No. 14.2.5: For Second Characteristic Numerical 5 Protected against water: Protected against water jets – Water projected in jets against the enclosure from any direction shall have no harmful effects **Test Conditions:** 1. Internal diameter of the nozzle: 6.3mm 2. Delivery rate: 12.5 l/min ± 5 %. 3. Distance from nozzle to enclosure surface: 3 m. 4. Minimum test duration: 3 min. 5.	After the test, No water found inside of enclosure	Pass
2.	**Impact Test (IK10)** (As per IEC 62262:2002)	Test to verify the protection against mechanical impacts as per IK code IK10 Impact Energy: 20 Joule No. of Impact: 05 Enclosure shall with stand the impact test and after the test the sample shall not show any damage.	Complies, After the test no damage observed.	Pass

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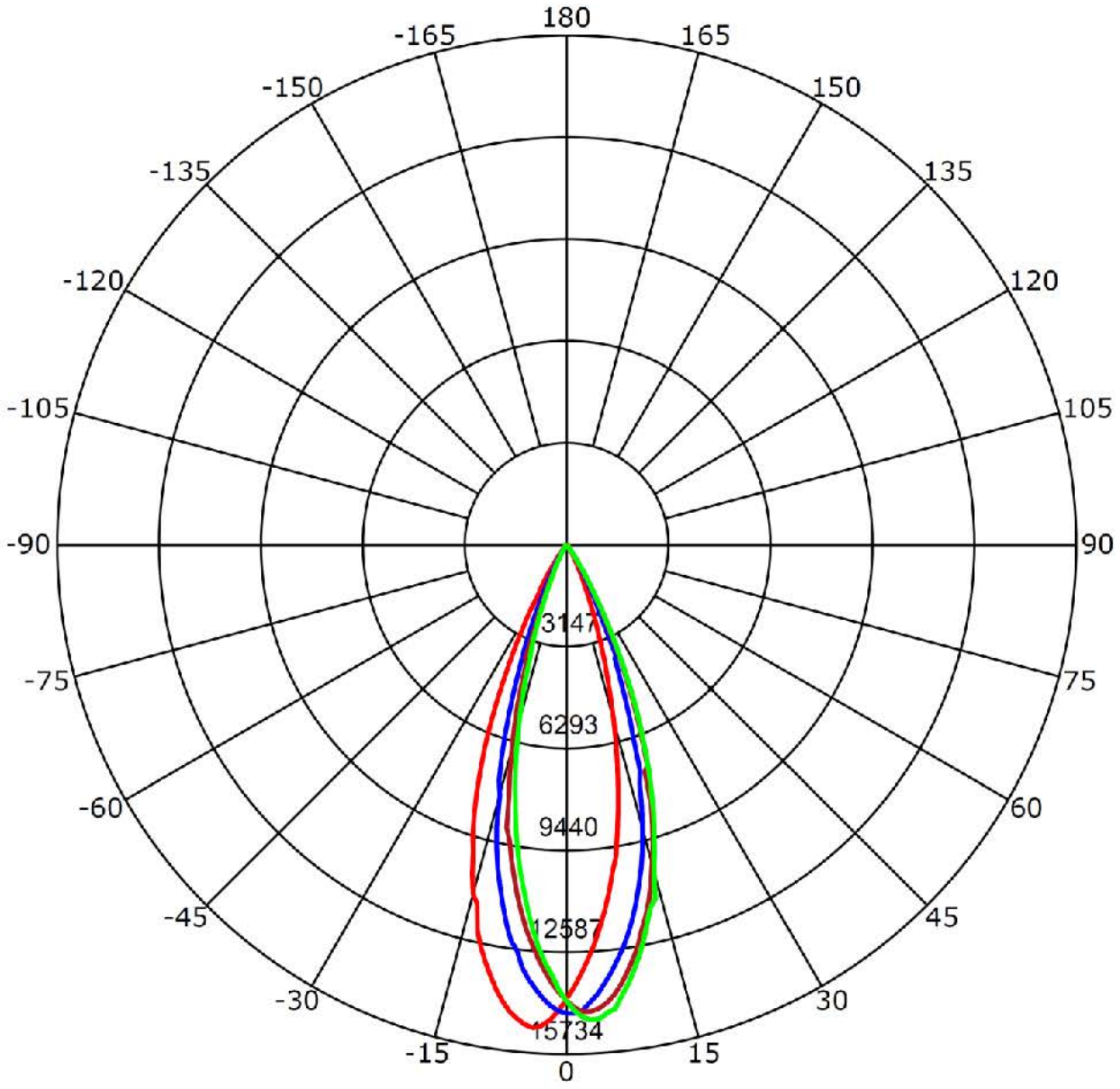
Attachment No- 1: Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 33.2 deg,34.1 deg

BSL/F7.8/TRF/LM79-08

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Attachment No. 2: Spectral Power Distribution

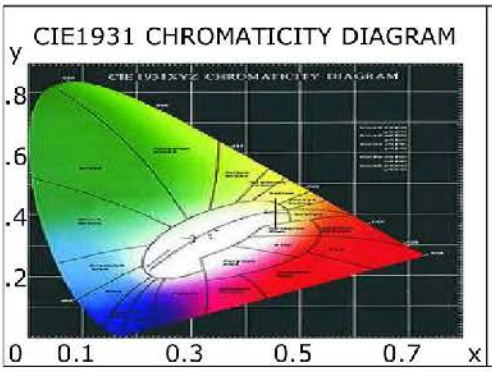
CIE Colorimetric Parameters

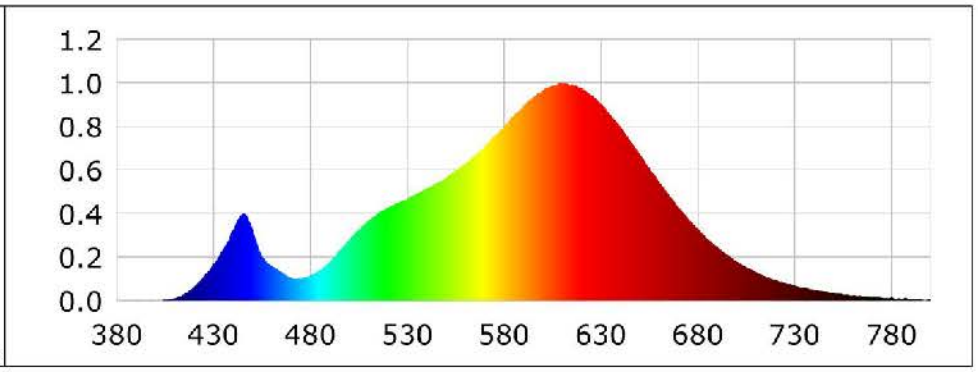
Chromaticity coordinates: x=0.4565 y=0.4096 u(u')=0.2608 v=0.3510 v'=0.5265
CCT: Tc=2740K (duv=-0.00008) Color Ratio: R=0.251 G=0.730 B=0.019
Peak Wavelength: 608.3nm Half Bandwidth: 127.2nm
Dominant Wavelength: 584.0nm Color Purity: 0.600
CRI: Ra= 84.5 TM30: Rf= 84, Rg= 100

R1 =83	R2 =90	R3 =97	R4 =85	R5 =84	R6 =89	R7 =84	R8 =64
R9 =19	R10=78	R11=86	R12=77	R13=85	R14=98	R15=76	

Color Quality Scale: Qa= 83.1, Qf= 84.6, Qp= 85.8, Qg= 94.3

Q1 =76	Q2 =96	Q3 =85	Q4 =84	Q5 =84	Q6 =81	Q7 =82	Q8 =86
Q9 =96	Q10=89	Q11=87	Q12=86	Q13=85	Q14=75	Q15=75	





*****END OF TEST REPORT*****