



BlueSky Lab LLP

1st, 2nd, 3rd Floor, Plot no 62, 63, Ganga Enclave, Loni Border
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TC-9825

TEST REPORT

TEST REPORT NO:	BSL/TR/ET/26G22003	Page No.: 1 of 8
ULR NUMBER:	TC982526000001047F	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	LED Linear Grazer Outdoor	SAMPLE CONDITION	Good
DATE OF RECEIPT	22/07/2026	NO. OF SAMPLE	01
RECEIPT NUMBER	BSL/ET/26G22003	SERIAL NO.	Nil
MODEL	ABL-WW-25-29	TRADE MARK	
RATINGS / SPECIFICATIONS	24VDC, 28W, IP67, IK09, 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	23/07/2026	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 <u>Did not conform</u> 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:
		
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.
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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 : 23/07/2026 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 DC Power Source	DC Series	BSL-EQ-195	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 DC Voltage	IES LM79-08/Cl. No.: 8.0
2.	Input DC Current	IES LM79-08/Cl. No.: 8.0
3.	Input DC Power	IES LM79-08/Cl. No.: 8.0
4.	Total Luminous Flux	IES LM79-08/Cl. No.: 9.0
5.	Luminous Intensity Distribution	IES LM79-08/Cl. No.: 10.0
6.	Luminous Efficacy	IES LM79-08/Cl. No.: 11.0
7.	Chromaticity Coordinates	IES LM79-08/Cl. No.: 12.0
8.	Correlated Colour Temperature	IES LM79-08/Cl. No.: 12.0
9.	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 DC Powered SSL Products are	See below
	1. Input DC Voltage	24V
	2. Input DC Current	1.1637A
	3. Input DC Power	27.93W
9.0	Total Luminous Flux	2659.33 lm
10.0	Luminous Intensity Distribution	See Attachment No. 1
	Center Beam Candlepower (CBCP)	13233.0 cd
	Beam Angle(50%) C0-180,C90-270	24.3°, 24.3°
11.0	Luminous Efficacy	95.21lm/W
12.0	Color Characteristics (Centre) (Average)	See below
	1. Chromaticity Coordinates	x=0.4609 y=0.4123
	2. Correlated Color Temperature (Average)	2699K
	3. Color Rendering Index (Average)	Ra = 85.3

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 DC Series power meter Photometric parameters
(**Luminous Intensity Distribution**) are obtained using C-type Goniophotometer and software.
5. The ambient temperature was maintained at $(25 \pm 1)^\circ\text{C}$ during testing.
6. The test distance is more than 5 times the maximum light emitting area.
7. The sample was operated at 24VDC. 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 67 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 <u>Test Conditions:</u> 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). 5) Test duration: 8hrs.	After the test, No dust found inside of enclosure	Pass
		Cl. No. 14.2.7: For Second Characteristic Numerical 7 Protected against water: Protected against the effects of temporary immersion in water – Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water under standardized conditions of pressure and time. <u>Test Conditions:</u> 1) Lowest point of enclosures: 1000mm below the surface of the water. 2) Difference between water temperature & equipment Temperature: ≤5K 1. Test duration: 30min.	After the test, No water found inside of enclosure	Pass
2.	Impact Test (IK09) (As per IEC 62262:2002)	Test to verify the protection against mechanical impacts as per IK code IK09 Impact Energy: 10 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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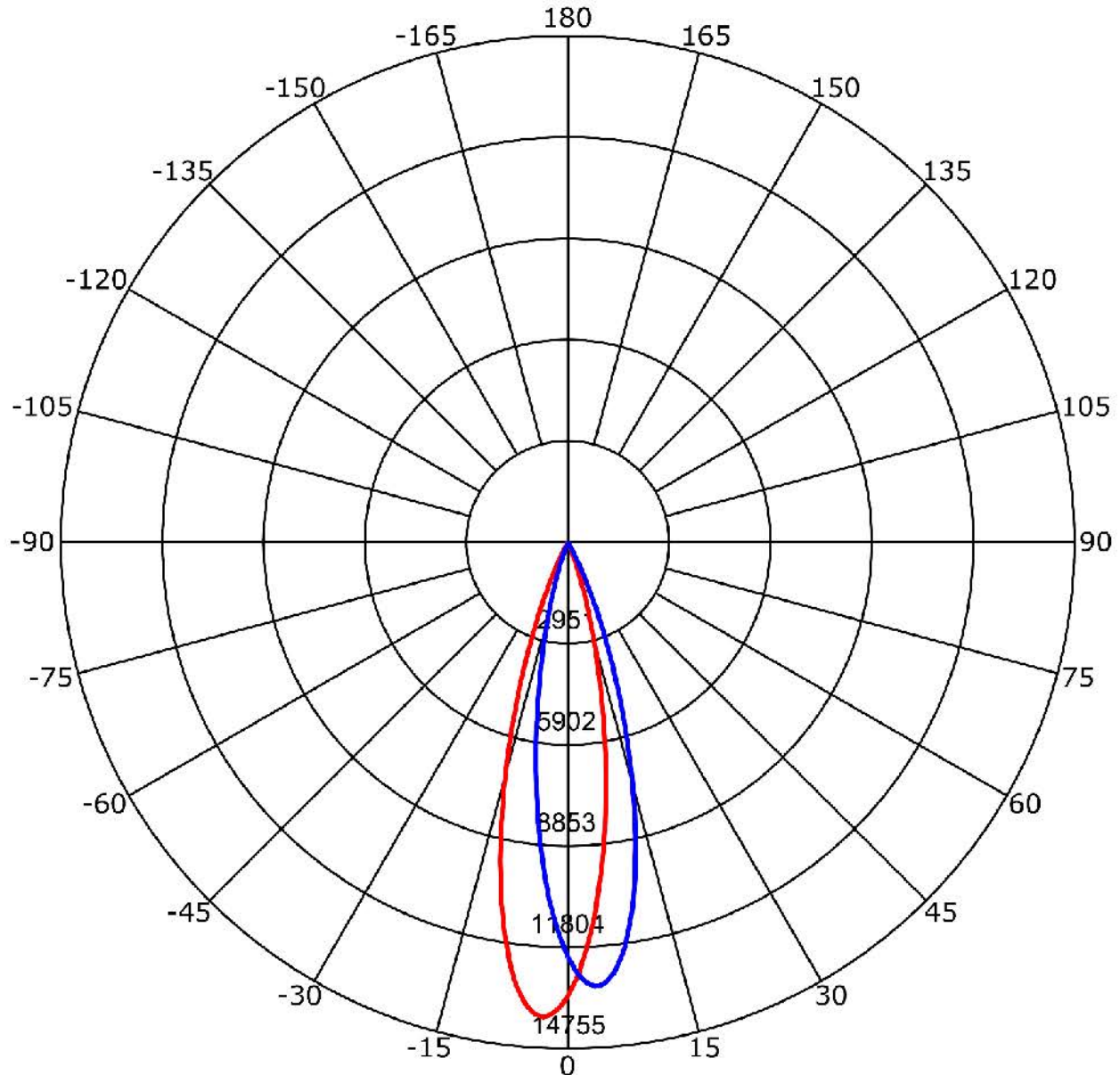


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Attachment No- 1: Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 24.3 deg,24.3 deg





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Attachment No. 2: Spectral Power Distribution

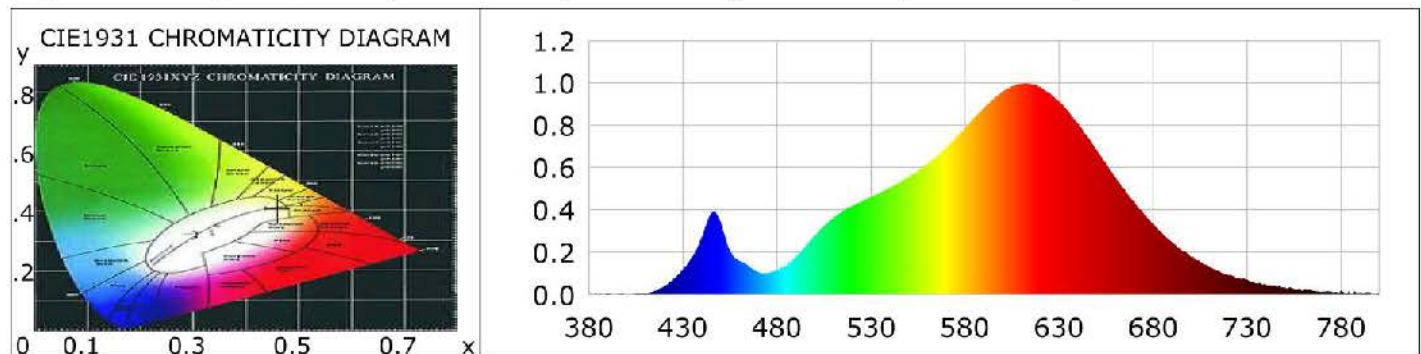
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4609$ $y=0.4123$ $u(u')=0.2624$ $v=0.3521$ $v'=0.5281$
 CCT: $T_c=2699K$ ($duv=0.00053$) Color Ratio: $R=0.255$ $G=0.726$ $B=0.019$
 Peak Wavelength: 612.4nm Half Bandwidth: 125.4nm
 Dominant Wavelength: 603.4nm Color Purity: 0.621
 CRI: $R_a=85.3$ TM30: $R_f=85$, $R_g=99$

R1 =84	R2 =91	R3 =97	R4 =86	R5 =84	R6 =90	R7 =85	R8 =65
R9 =21	R10=80	R11=87	R12=78	R13=85	R14=98	R15=77	

Color Quality Scale: $Q_a=84.0$, $Q_f=86.0$, $Q_p=86.3$, $Q_g=93.5$

Q1 =77	Q2 =95	Q3 =86	Q4 =85	Q5 =85	Q6 =83	Q7 =84	Q8 =87
Q9 =96	Q10=90	Q11=88	Q12=87	Q13=86	Q14=75	Q15=76	



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

