



# BlueSky Lab LLP

1st, 2nd, 3rd Floor, Plot no 62, 63, Ganga Enclave, Loni Border  
Near Johri Enclave Metro Station, Ghaziabad  
Uttar Pradesh - 201102  
**Mob:** +918595176179 , **Ph:** 011-71862260  
**Email:** Info@blueskylab.in



TC-9825

## TEST REPORT

|                 |                    |                           |
|-----------------|--------------------|---------------------------|
| TEST REPORT NO: | BSL/TR/ET/26G22004 | Page No.: 1 of 8          |
| ULR NUMBER:     | TC982526000001048F | 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, IP65, IK07, 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 <del>Conforms</del> <b>Did not conform</b> to the requirement of the standard/test protocol based on the obtained test values/results mentioned in the test report.                                                                                                                                                                                                                                                                                                                                       |
| REMARKS     | <ul style="list-style-type: none"> <li>- Compliance statement in the report has been made considering decision rule as inherent in its test standard and latest version of ILAC G-8.</li> <li>- The test result presented in this test report relate only to the object tested.</li> <li>- This report shall not be re-produce except in full without the written approval of the issuing testing laboratory.</li> <li>- The Laboratory is not responsible for all the information is provided by the customer.</li> </ul> |

|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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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| <b>Dated:</b> 29/07/2026              |                                                                                  | <b>ULR:</b> TC982526000001048F |

### 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 ..... : 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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| <b>Dated:</b> 29/07/2026              |                                                                                  | <b>ULR:</b> TC982526000001048F |

#### 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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| <b>Dated:</b> 29/07/2026              |                                                                                  | <b>ULR:</b> TC982526000001048F |

#### 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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| <b>Dated:</b> 29/07/2026              |                                                                                  | <b>ULR:</b> TC982526000001048F |

**Discipline:** Photometry

**Group:** Luminaires

| Cl. No. | Test / Requirement name                                                                               | Test result/ observation |
|---------|-------------------------------------------------------------------------------------------------------|--------------------------|
| 8.0     | Electrical Instrumentation<br>The Electrical Characteristics measured for DC Powered SSL Products are | See below                |
|         | 1. Input DC Voltage                                                                                   | 24V                      |
|         | 2. Input DC Current                                                                                   | 1.1450                   |
|         | 3. Input DC Power                                                                                     | 27.48W                   |
| 9.0     | Total Luminous Flux                                                                                   | 2467.15 lm               |
| 10.0    | Luminous Intensity Distribution                                                                       | See Attachment No. 1     |
|         | Center Beam Candlepower (CBCP)                                                                        | 3939.8 cd                |
|         | Beam Angle(50%) C0-180,C90-270                                                                        | 30.6°, 57.1°             |
| 11.0    | Luminous Efficacy                                                                                     | 89.78lm/W                |
| 12.0    | Color Characteristics (Centre) (Average)                                                              | See below                |
|         | 1. Chromaticity Coordinates                                                                           | x=0.4525 y=0.4051        |
|         | 2. Correlated Color Temperature (Average)                                                             | 2763K                    |
|         | 3. Color Rendering Index (Average)                                                                    | Ra = 85.0                |

### 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.

BSL/F7.8/TRF/LM79-08





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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<br>(As per<br>IEC 60529:1989+<br>A1:1999+A2:2013) | <b>Cl. No. 13.4 &amp; 13.6:</b><br><br>For First Characteristic Numerical 6<br>Protection against solid foreign object:<br>Dust tight –<br>No ingress of dust<br><br><u><b>Test Conditions:</b></u><br>1) Nominal wire diameter: 50 µm.<br>2) Nominal width of a gap between wires: 75 µm.<br>3) Amount of talcum powder: 2kg/m <sup>3</sup> .<br>4) Depression: 2kPa (20 mbar).<br>1) Test duration: 8hrs.                                                              | After the test,<br>No dust found<br>inside of enclosure  | Pass    |
|         |                                                              | <b>Cl. No. 14.2.5:</b><br><br>For Second Characteristic Numerical 5<br>Protected against water:<br><br>Protected against water jets –<br><br>Water projected in jets against the enclosure from<br>any direction shall have no harmful effects<br><br><u><b>Test Conditions:</b></u><br>1. Internal diameter of the nozzle: 6.3mm<br>2. Delivery rate: 12.5 l/min ± 5 %.<br>3. Distance from nozzle to enclosure surface: 3 m.<br>4. Minimum test duration: 3 min.<br>5. | After the test,<br>No water found<br>inside of enclosure | Pass    |
| 2.      | Impact Test (IK07)<br>(As per<br>IEC 62262:2002)             | Test to verify the protection against mechanical<br>impacts as per IK code IK07 Impact Energy: 2 Joule<br>No. of Impact: 05<br>Enclosure shall with stand the impact test and after<br>the test the sample shall not show any damage.                                                                                                                                                                                                                                    | Complies,<br>After the test no<br>damage observed.       | Pass    |





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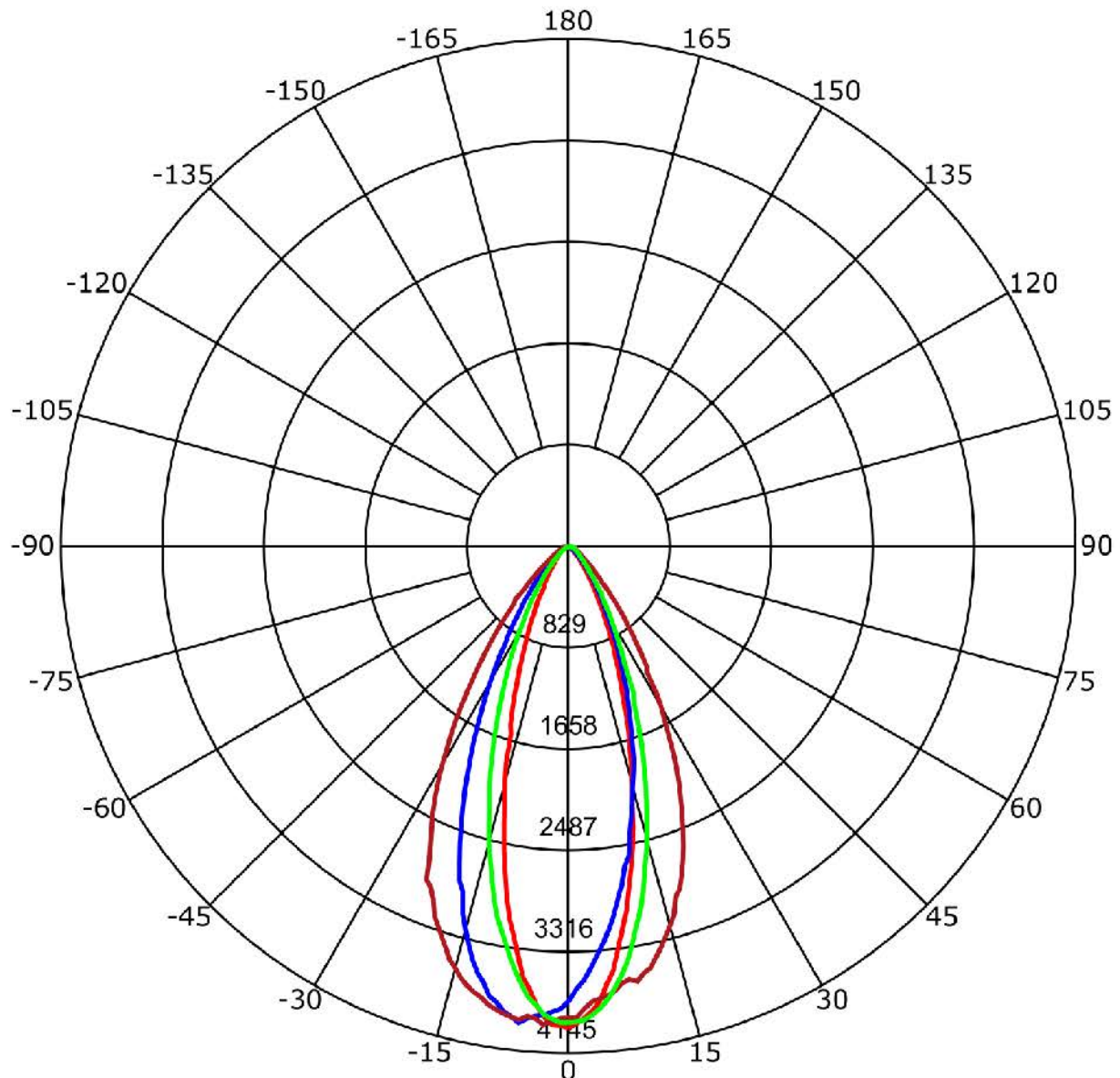


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### Attachment No- 1: Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 30.6 deg,57.1 deg





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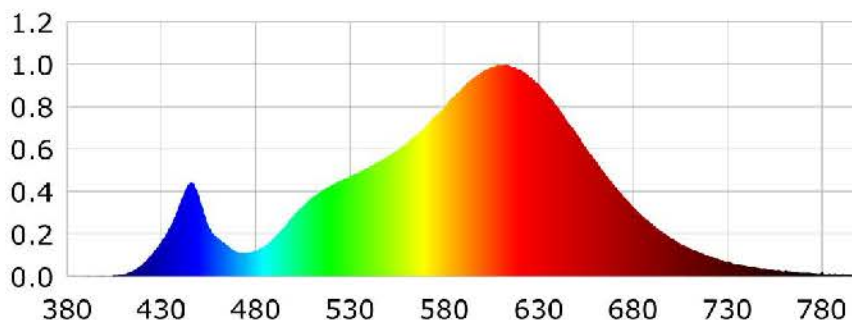
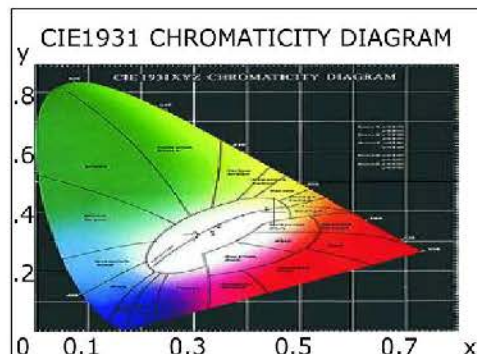
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### Attachment No. 2: Spectral Power Distribution

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4525$   $y=0.4051$   $u(u')=0.2602$   $v=0.3494$   $v'=0.5241$   
 CCT:  $T_c=2763K$  ( $duv=-0.00140$ ) Color Ratio:  $R=0.251$   $G=0.729$   $B=0.020$   
 Peak Wavelength: 612.1nm Half Bandwidth: 127.5nm  
 Dominant Wavelength: 584.4nm Color Purity: 0.574  
 CRI:  $R_a=85.0$  TM30:  $R_f=84$ ,  $R_g=101$   
 $R1=84$   $R2=91$   $R3=97$   $R4=85$   $R5=84$   $R6=90$   $R7=84$   $R8=65$   
 $R9=21$   $R10=79$   $R11=86$   $R12=78$   $R13=85$   $R14=98$   $R15=77$   
 Color Quality Scale:  $Q_a=83.0$ ,  $Q_f=84.0$ ,  $Q_p=86.8$ ,  $Q_g=95.7$   
 $Q1=76$   $Q2=96$   $Q3=84$   $Q4=84$   $Q5=84$   $Q6=81$   $Q7=82$   $Q8=86$   
 $Q9=96$   $Q10=88$   $Q11=87$   $Q12=85$   $Q13=85$   $Q14=75$   $Q15=75$



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

