LM-79 Test Report

Relevant Standards

IES LM-79-2008
IES TM-30-2015
CIE 13.3-1995

Product SKU

STREAMLITE™ Diffused COB Linear Light (Red)
SKU: DI-24V-STMLT-RD-016

Test Conditions

Test Temperature: 26.5 °C
Luminaire Sample Length: 39.0 in.
Power Supply: Agilent E3634A DC Power Supply
Voltage: 24.0 VDC
Current: 0.43 A
Power Consumption: 10.4 W

Test Date

4/8/2020

Prepared By

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Approved By

Andrew Lassen, Compliance Manager

The results contained in this report pertain only to the tested sample.
Photometric & Colorimetry data measured in accordance to IES LM-79-2008 standards, at the Elemental LED, Inc. Innovation Lab.
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CIE 1931 2 degree Plots

Spectral Power Distribution

Radiant Flux (uW)

Wavelength (nm)
**Goniophotometer Test**

**SUMMARY OF RESULTS**

Luminaire: STREAMLITE™ Diffused COB Linear Light (Red)
SKU: DI-24V-STMLT-RD-016
Luminous Flux: 123 Lumens
Power Consumption: 10.4 Watts
Efficacy: 12 Lumens/Watt
Spacing Criterion (0-180): 1.38
Spacing Criterion (90-270): 1.26

*Graphs below are for reference, full IES files are available on Diode LED website*

**DISTRIBUTION CHARTS AND TABLES**

### Zonal Lumen Summary

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% Luminaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>27.0</td>
<td>22%</td>
</tr>
<tr>
<td>0-40</td>
<td>44.8</td>
<td>36.4%</td>
</tr>
<tr>
<td>0-60</td>
<td>82.9</td>
<td>67.4%</td>
</tr>
<tr>
<td>0-90</td>
<td>40.2</td>
<td>32.6%</td>
</tr>
<tr>
<td>0-90</td>
<td>123.0</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Polar Candela Distribution

![Polar Candela Distribution](image1)

<table>
<thead>
<tr>
<th>Angle</th>
<th>Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°</td>
<td>34.4 fc</td>
</tr>
<tr>
<td>20°</td>
<td>9.54 fc</td>
</tr>
<tr>
<td>30°</td>
<td>4.10 fc</td>
</tr>
<tr>
<td>40°</td>
<td>2.26 fc</td>
</tr>
<tr>
<td>50°</td>
<td>1.49 fc</td>
</tr>
<tr>
<td>60°</td>
<td>1.02 fc</td>
</tr>
</tbody>
</table>

**Illuminance at a Distance**

- Center Beam fc: 34.4 fc, Beam Width: 6.0 ft
- Vert. Spread: 151.8°, Horiz. Spread: 112.7°
- 0.0 ft: 34.4 fc, 6.0 ft: 3.0 ft
- 1.0 ft: 9.54 fc, 11.7 ft: 5.7 ft
- 2.0 ft: 4.10 fc, 17.4 ft: 8.7 ft
- 3.0 ft: 2.26 fc, 23.1 ft: 11.7 ft
- 4.0 ft: 1.49 fc, 28.7 ft: 14.4 ft
- 5.0 ft: 1.02 fc, 34.2 ft: 17.4 ft

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