

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.*

Integrating Sphere Test

Product | STREAMLITE™ Diffused COB Linear Light (Red)
SKU: | DI-24V-STMLT-RD-016
Product Type: | COB Linear Light
LEDs/ft: | N/A
Power Controller: | Agilent DC Power Supply
 None

Luminaire Image



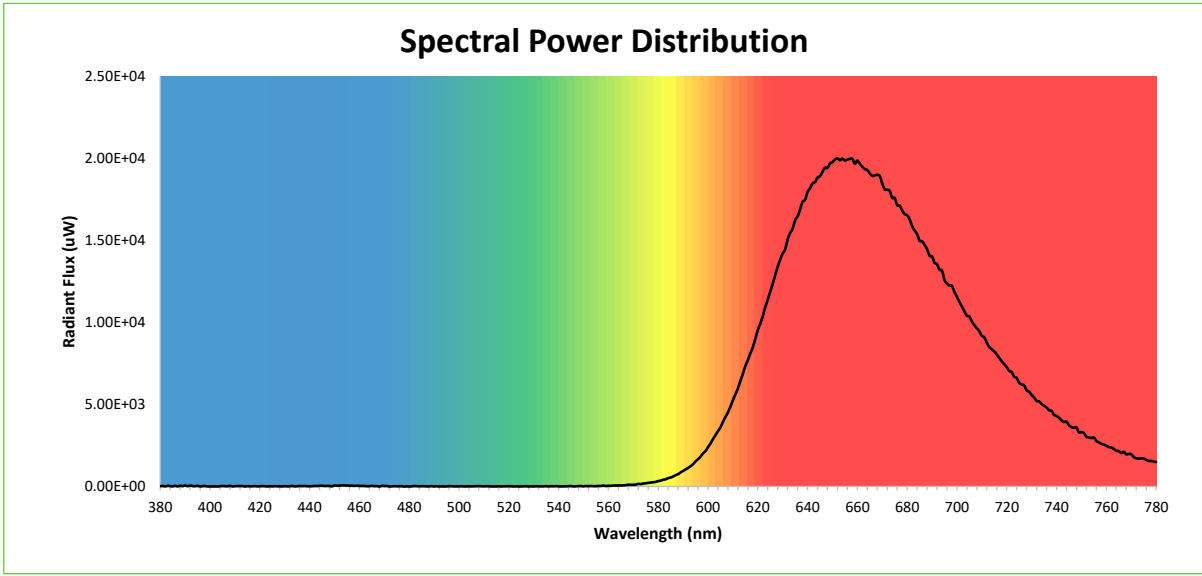
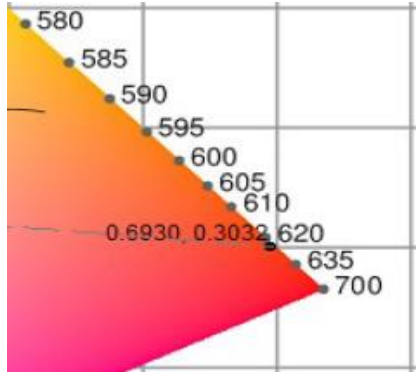
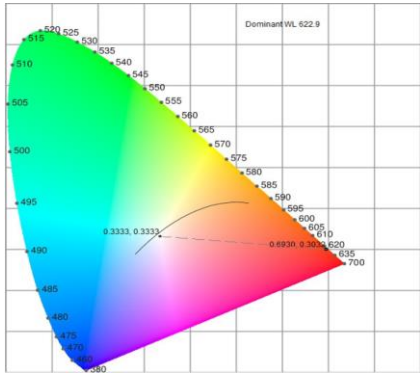
Sample | 1 meter
Voltage: | 24V
Current: | 0.43A
Wattage: | 10.4 Watts [3.2 Watts/ft]
Luminous | 138 lumens [42 lumens/ft]
Radiant Flux: | 1931285125 microWatts
Efficacy: | 13 lumens/Watt
CRI (Ra): | N/A
Dominant Wavelength: | 623 nm

CIE 1931 2 degree coordinates

x	y	u'	v'
0.6930	0.3032	0.5278	0.5195

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 Photometric & Colorimetry data measured in accordance to IES LM-79-2008 standards, at the Elemental LED, Inc. Innovation Lab.*

CIE 1931 2 degree Plots



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

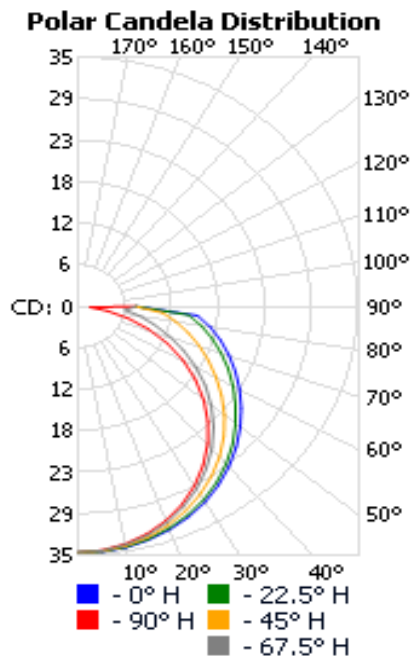
Spacing Criterion (90-270): 1.26

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

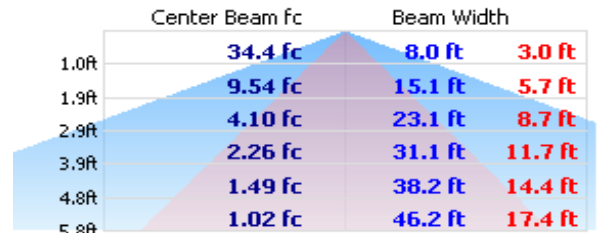
DISTRIBUTION CHARTS AND TABLES

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	27.0	22%
0-40	44.8	36.4%
0-60	82.9	67.4%
60-90	40.2	32.6%
0-90	123.0	100%



Illuminance at a Distance



■ Vert. Spread: 151.8°
■ Horiz. Spread: 112.7°



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