

LM-79 Test Report

Relevant Standards

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

Product SKU

BLAZE™ COLORS LED Tape Light (Red)
SKU: DI-12V-BLC-RD-016

Test Conditions

Test Temperature: 26.5 °C
Luminaire Sample Length: 39.0 in.
Power Supply: Agilent E3634A DC Power Supply
Voltage: 12.0 VDC
Current: 0.79 A
Power Consumption: 9.50 W

Test Date

3/23/2020

Prepared By



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Approved By



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*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	BLAZE™ COLORS LED Tape Light (Red)
SKU:	DI-12V-BLC-RD-016
Product Type:	Tapelight
LEDs/ft:	36
Power	Agilent DC Power Supply
Controller:	None

Luminaire Image



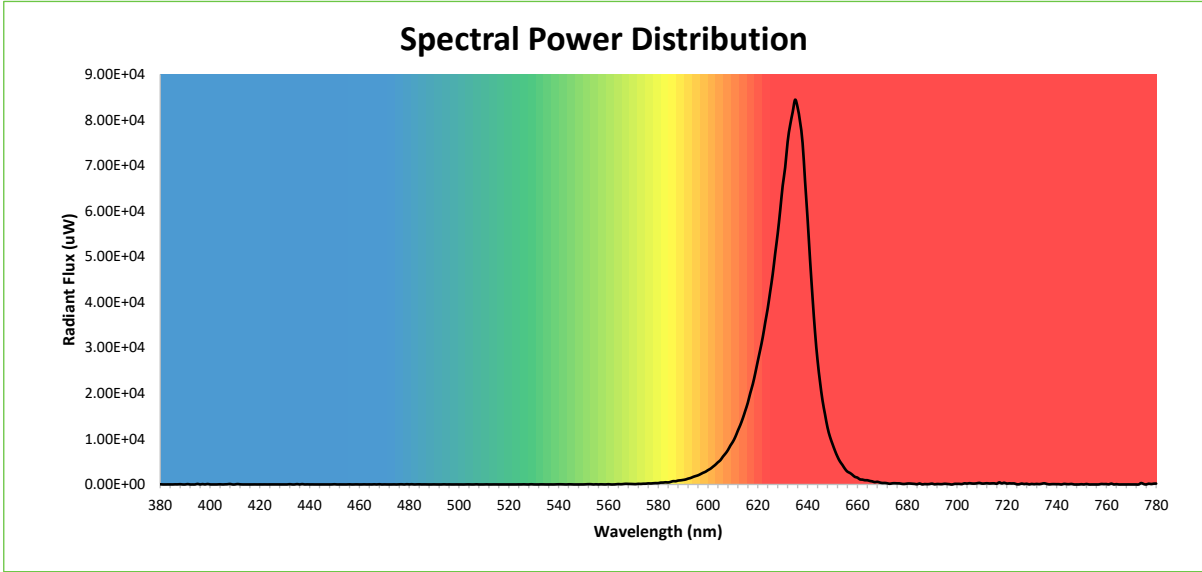
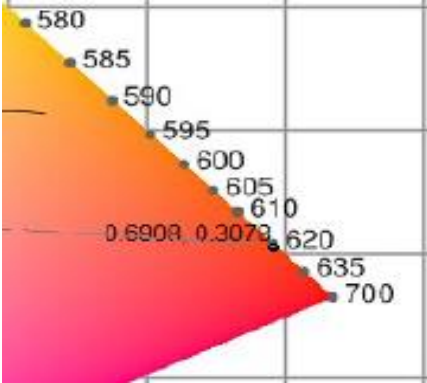
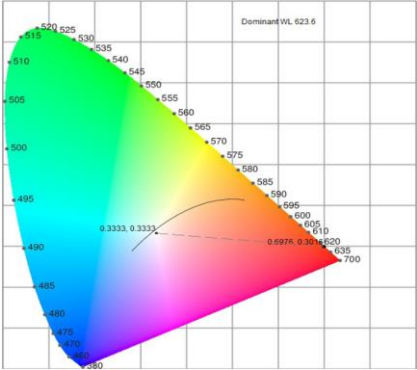
Sample	1 meter
Voltage:	12V
Current:	0.79A
Wattage:	9.5 Watts [2.9 Watts/ft]
Luminous	321 lumens [98 lumens/ft]
Radiant Flux:	1839769125 microWatts
Efficacy:	34 lumens/Watt
CRI (Ra):	N/A
Dominant Wavelength:	623.6 nm

CIE 1931 2 degree coordinates

x	y	u'	v'
0.6976	0.3016	0.5342	0.5196

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CIE 1931 2 degree Plots



Goniophotometer Test

SUMMARY OF RESULTS

Luminaire: BLAZE™ COLORS LED Tape Light (Red)
 SKU: DI-12V-BLC-RD-016
 Luminous Flux: 352 Lumens
 Power Consumption: 8.77 Watts
 Efficacy: 40.1 Lumens/Watt
 Spacing Criterion (0-180): 1.36
 Spacing Criterion (90-270): 1.34

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

DISTRIBUTION CHARTS AND TABLES

Zonal Lumen Data

Zone	Lumens	%Luminaire
0-20	39.33	11.2
0-30	84.88	24.1
0-40	141.87	40.4
0-60	263.21	74.9
0-80	341.89	97.2
0-90	351.59	100
20-40	102.55	29.2
20-50	164.46	46.8
40-70	169.99	48.3
60-80	78.68	22.4
70-80	30.03	8.5
80-90	9.70	2.8
90-180	0	0
0-180	351.59	100

