

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-24V-BLC-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: 0.41 A
Power Consumption: 9.84 W

Test Date

3/23/2020

Prepared By



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Approved By



Andrew Lassen, Compliance Manager

Integrating Sphere Test

Product	BLAZE™ COLORS LED Tape Light (Red)
SKU:	DI-24V-BLC-RD-016
Product Type:	Tapelight
LEDs/ft:	36
Power	Agilent DC Power Supply
Controller:	None

Luminaire Image



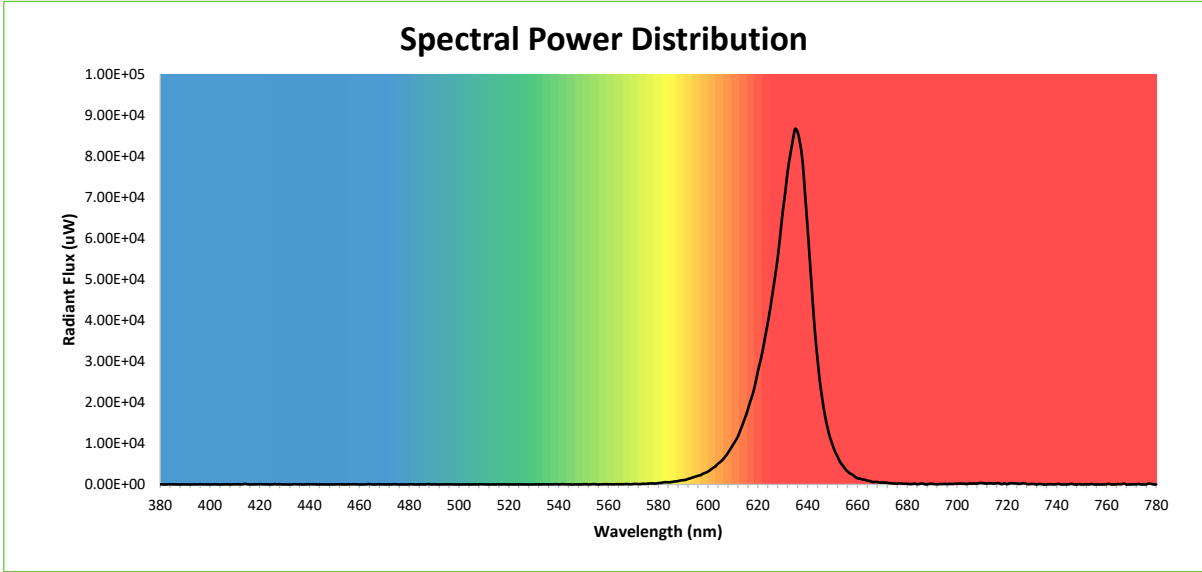
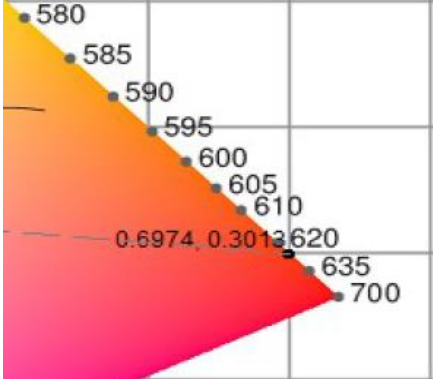
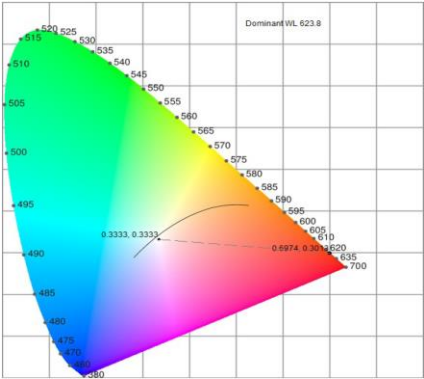
Sample	1 meter
Voltage:	24V
Current:	0.41A
Wattage:	9.8 Watts [3.0 Watts/ft]
Luminous	330 lumens [101 lumens/ft]
Radiant Flux:	1895766375 microWatts
Efficacy:	34 lumens/Watt
CRI (Ra):	N/A
Dominant Wavelength:	623.8 nm

CIE 1931 2 degree coordinates

x	y	u'	v'
0.6974	0.3013	0.5343	0.5194

*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.*

CIE 1931 2 degree Plots



Goniophotometer Test

SUMMARY OF RESULTS

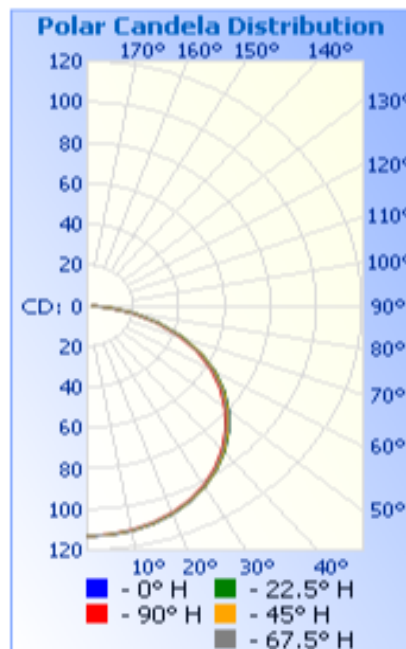
Luminaire: BLAZE™ COLORS LED Tape Light (Red)
 SKU: DI-24V-BLC-RD-016
 Luminous Flux: 373 Lumens
 Power Consumption: 9.30 Watts
 Efficacy: 40.2 Lumens/Watt
 Spacing Criterion (0-180): 1.36
 Spacing Criterion (90-270): 1.34

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	41.65	11.2
0-30	89.88	24.1
0-40	150.24	40.3
0-60	278.86	74.8
0-80	362.40	97.2
0-90	372.82	100
20-40	108.59	29.1
20-50	174.20	46.7
40-70	180.23	48.3
60-80	83.54	22.4
70-80	31.93	8.6
80-90	10.42	2.8
90-180	0	0
0-180	372.82	100



	Illuminance at a Distance		
	Center Beam fc	Beam Width	
1.7R	38.9 fc	6.6 ft	6.7 ft
3.3R	10.3 fc	12.9 ft	12.9 ft
5.0R	4.50 fc	19.5 ft	19.6 ft
6.7R	2.51 fc	26.2 ft	26.2 ft
8.3R	1.63 fc	32.4 ft	32.5 ft
10.0R	1.12 fc	39.0 ft	39.1 ft

■ Vert. Spread: 125.8°
■ Horiz. Spread: 125.9°

