

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 (Blue)
SKU: DI-12V-BLC-BL-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: 0.83 A
Power Consumption: 9.96 W

Test Date

03/20/2020

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

Luminaire Image



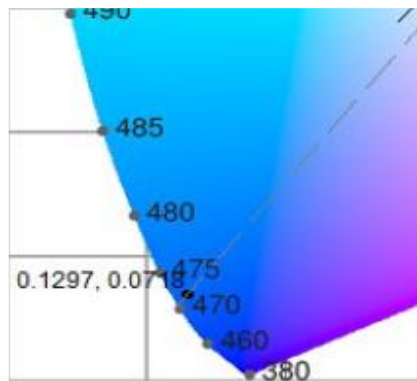
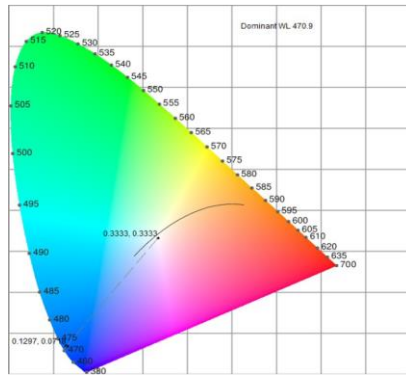
Sample Length:	1 meter
Voltage:	12V
Current:	.83A
Wattage:	10.0 Watts [3.0 Watts/ft]
Luminous Flux:	252 lumens [77 lumens/ft]
Radiant Flux:	3410017500 microWatts
Efficacy:	26 lumens/Watt
CRI (Ra):	N/A
Dominant Wavelength:	470.9 nm

CIE 1931 2 degree coordinates

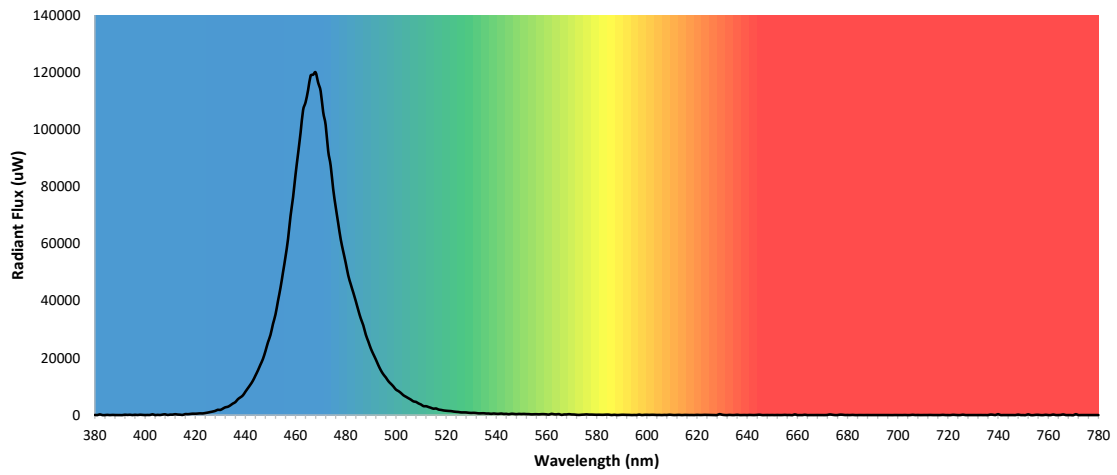
x	y	u'	v'
0.1290	0.0718	0.1441	0.1794

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CIE 1931 2 degree Plots



Spectral Power Distribution



Goniophotometer Test

SUMMARY OF RESULTS

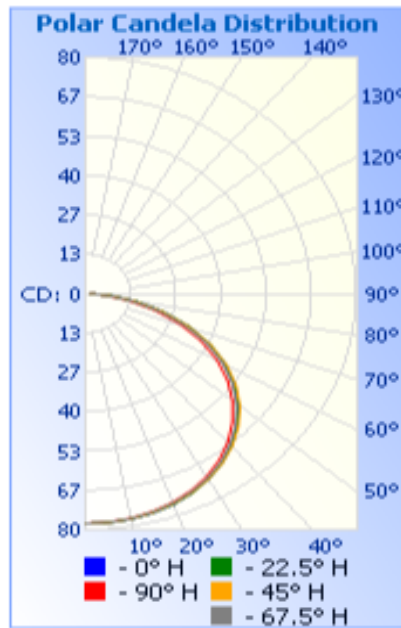
Luminaire: BLAZE™ COLORS LED Tape Light (Blue)
 SKU: DI-12V-BLC-BL-016
 Luminous Flux: 264.9 Lumens
 Power Consumption: 10.0 Watts
 Efficacy: 26.4 Lumens/Watt
 Spacing Criterion (0-180): 1.40
 Spacing Criterion (90-270): 1.38

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	28.85	10.90
0-30	62.59	23.60
0-40	105.40	39.80
0-60	198.58	74.90
0-80	258.18	97.40
0-90	265.14	100.00
20-40	76.55	28.90
20-50	123.85	46.70
40-70	130.46	49.20
60-80	59.60	22.50
70-80	22.33	8.40
80-90	6.96	2.60
90-180	0.00	0.00
0-180	265.14	100.00



	Illuminance at a Distance	
	Center Beam fc	Beam Width
1.7ft	26.8 fc	7.0 ft
3.3ft	7.12 fc	13.6 ft
5.0ft	3.10 fc	20.6 ft
6.7ft	1.73 fc	27.6 ft
8.3ft	1.12 fc	34.1 ft
10.0ft	0.77 fc	41.1 ft

■ Vert. Spread: 128.1°
 ■ Horiz. Spread: 128.0°

