

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-24V-BLC-BL-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: 9.77 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-24V-BLC-BL-016
Product Type:	Tapelight
LEDs/ft:	36
Power Supply:	Agilent DC Power Supply
Controller:	None

Luminaire Image



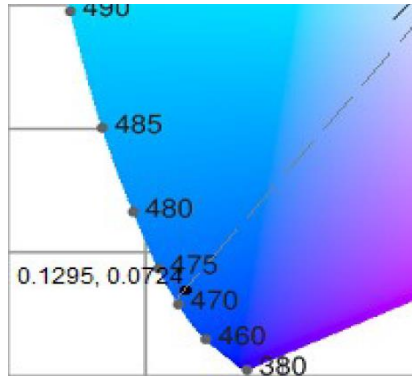
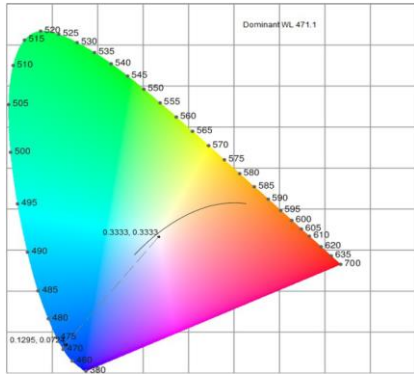
Sample Length:	1 meter
Voltage:	24V
Current:	.407A
Wattage:	9.77 Watts [2.97 Watts/ft]
Luminous Flux:	245 lumens [75 lumens/ft]
Radiant Flux:	3263283250 microWatts
Efficacy:	25 lumens/Watt
CRI (Ra):	N/A
Dominant Wavelength:	471.1 nm

CIE 1931 2 degree coordinates

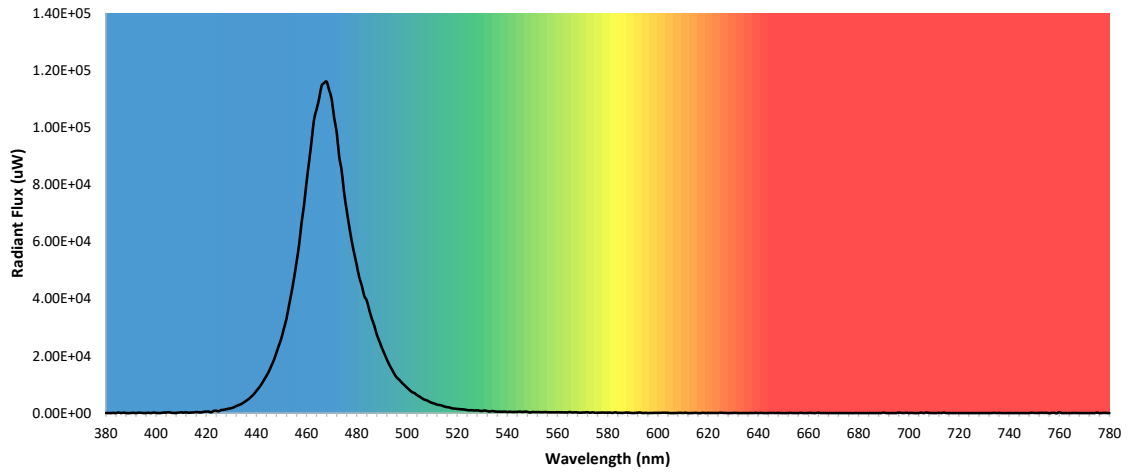
x	y	u'	v'
0.1295	0.0724	0.1435	0.1805

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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-24V-BLC-BL-016
 Luminous Flux: 262.3 Lumens
 Power Consumption: 9.77 Watts
 Efficacy: 26.8 Lumens/Watt
 Spacing Criterion (0-180): 1.38
 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	28.63	10.90
0-30	62.09	23.70
0-40	104.50	39.80
0-60	196.57	74.90
0-80	255.39	97.40
0-90	262.30	100.00
20-40	75.87	28.90
20-50	122.64	46.80
40-70	128.86	49.10
60-80	58.81	22.40
70-80	22.03	8.40
80-90	6.91	2.60
90-180	0.00	0.00
0-180	262.30	100.00

