

# 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 (Green)  
SKU: DI-24V-BLC-GN-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: 0.40 A  
Power Consumption: 9.60 W

## Test Date

3/23/2020

## Prepared By



Tiffany Laguna, Sr. Engineering Lab Technician

## 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

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

## Luminaire Image



<b>Sample</b>	1 meter
<b>Voltage:</b>	24V
<b>Current:</b>	0.41A
<b>Wattage:</b>	9.6 Watts [2.9 Watts/ft]
<b>Luminous</b>	987 lumens [301 lumens/ft]
<b>Radiant Flux:</b>	2106846750 microWatts
<b>Efficacy:</b>	103 lumens/Watt
<b>CRI (Ra):</b>	N/A
<b>Dominant Wavelength:</b>	525.8 nm

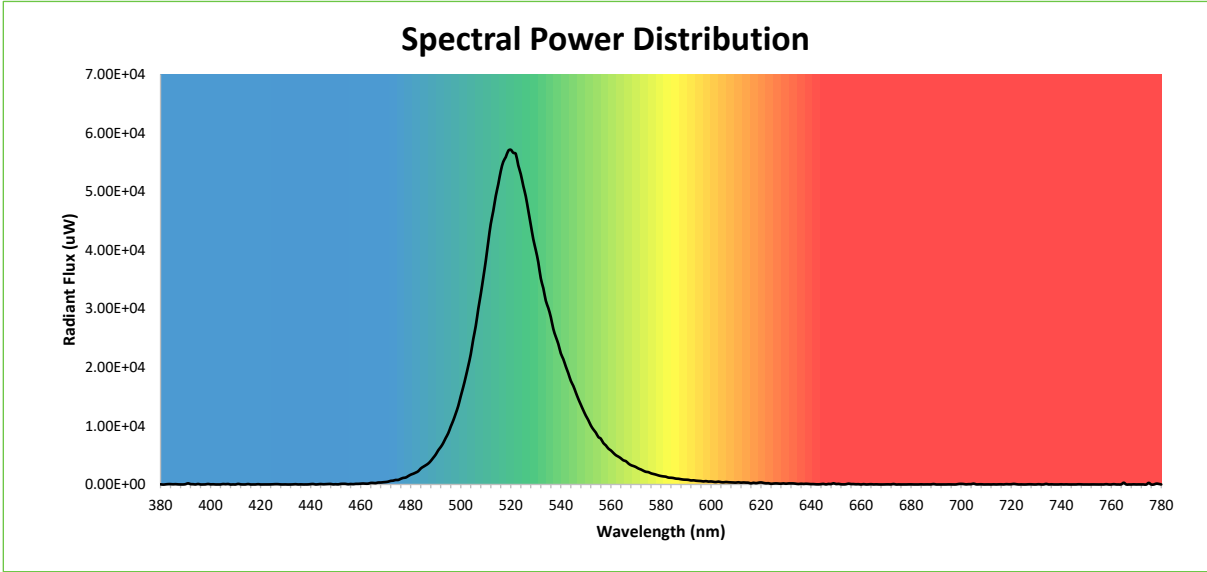
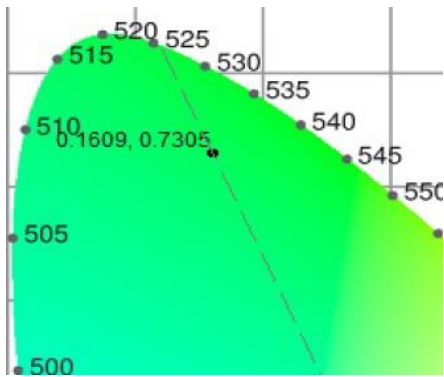
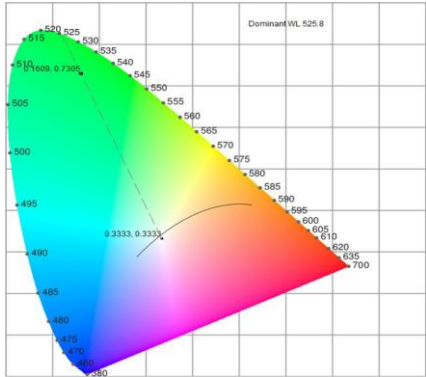
## CIE 1931 2 degree coordinates

x	y	u'	v'
0.1609	0.7305	0.0562	0.5745

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CIE 1931 2 degree Plots



# Goniophotometer Test

## SUMMARY OF RESULTS

Luminaire: BLAZE™ COLORS LED Tape Light (Green)

SKU: DI-24V-BLC-GN-016

Luminous Flux: 1065 Lumens

Power Consumption: 9.52 Watts

Efficacy: 111.9 Lumens/Watt

Spacing Criterion (0-180): 1.38

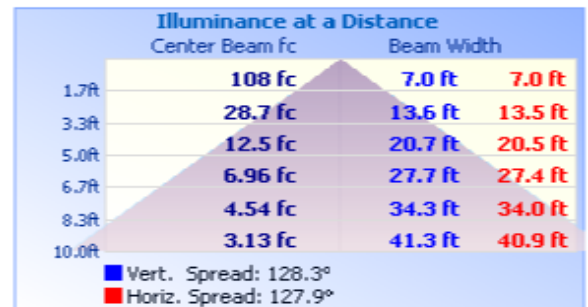
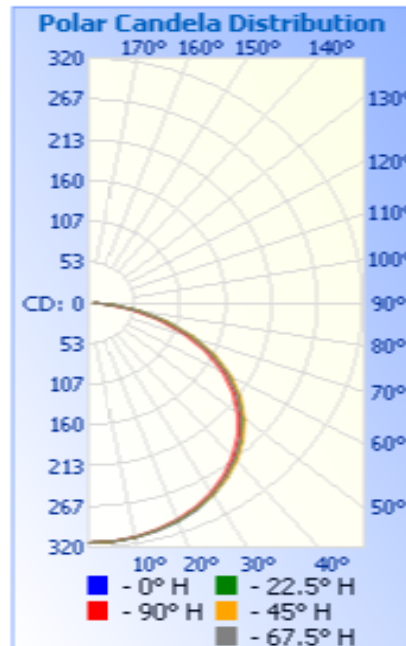
Spacing Criterion (90-270): 1.36

*\*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	116.01	10.9
0-30	251.17	23.6
0-40	422.41	39.7
0-60	796.00	74.7
0-80	1036.68	97.3
0-90	1065.16	100
20-40	306.41	28.8
20-50	495.75	46.5
40-70	523.85	49.2
60-80	240.68	22.6
70-80	90.42	8.5
80-90	28.48	2.7
90-180	0	0
0-180	1065.16	100



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