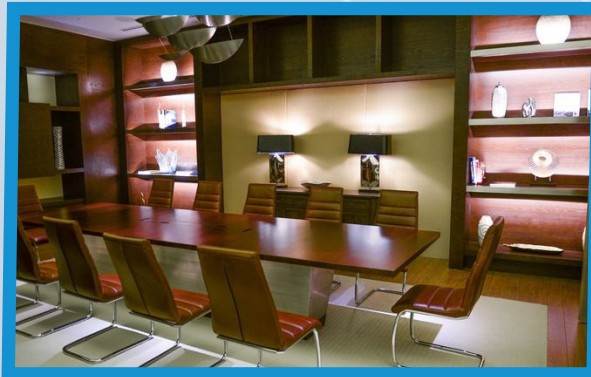
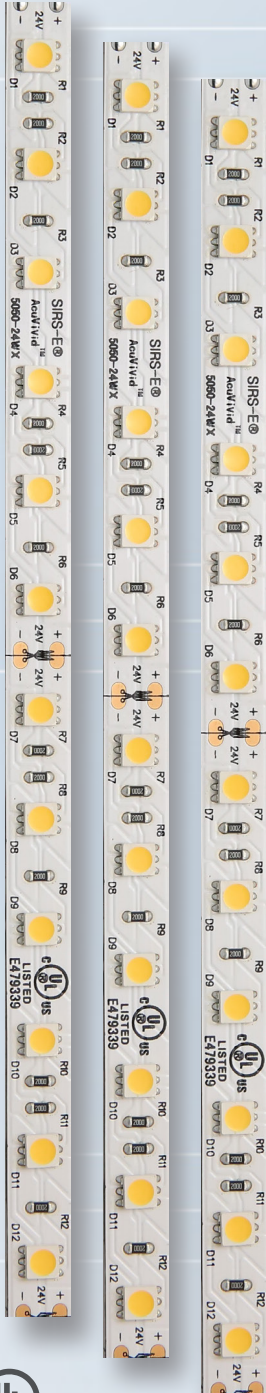


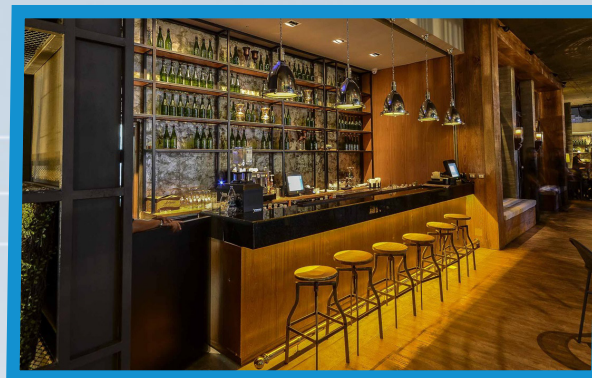
## Flexible White LED Strips

The SIRS-E® **AcuVivid™** CV White LED strip series consists of High Quality Constant Voltage variants with color temperatures, but not limited to, 2700, 4000 and 5500 K. At a color rendering rating of 95+ CRI, **AcuVivid™** provides optimal color consistency and an increased luminous flux with greater efficacy while complying with all safety requirements as defined by UL standards.



Less than 1-Step MacAdam ellipse in the same run, easily mountable utilizing 3M VHB Aero-Grade tape, engineered to dissipate heat and reduce voltage drop via 4 oz flexible PCB.

- High Color Rendering Rating **+95 CRI**
- Increased Luminous Flux **330 lm/ft**
- Improved Luminous Efficacy **+80 lm/W**
- Minimal Power Consumption **4.1 W/ft**
- Very Low Color Shift **Duv +0.0005**
- UL Listed, Class 2 - **E479339**



The **AcuVivid™** series provides solutions for an endless set of applications including commercial, residential, stage & studio, theatrical, and specialized lighting designs.

Delivering superior LED strip lighting with a proven record spanning more than a decade without electrical, chromatic, or color rendering issues. SIRS-E® continues to lead the market place in stability, reliability, and efficiency of LED lighting and lighting control systems.



Customer Name  Project Name  Part Number


### Flexible White LED Strip



### Description

White LED strip lights let you create professional lighting designs with high quality components. Our new AcuVivid™ series of CV White strips include a 4oz density PCB that minimizes voltage drop and a 3M VHB adhesive tape for a more secure installation. AcuVivid™ White LED strips are offered in many variations such as 12V and 24V and varying IP ratings such as IP40 (indoor, dry locations) or IP68 (damp, wet locations). These strips are free of UV radiation, fully dimmable, and DMX addressable using our SIRS-E<sup>®</sup> line of DMX-CON decoders.

### Product Specifications

<b>Input Voltage</b>	12 V DC <sup>2</sup> / 24 V DC	<b>Cuttable Segments</b>	2 in (50 mm) for 12V / 4 in (100 mm) for 24V
<b>Limiting Control Method</b>	CV - Constant Voltage	<b>Reel Length</b>	16.4 ft / 5 m
<b>Power Consumption</b>	4.60 W/ft	<b>Max Run Length</b>	10 meters, 10% luminous flux loss
<b>LED Chip Type</b>	High Quality SMD 5050 3-Diode	<b>Segment Width</b>	0.39 in (10 mm) for IP40 / 0.50 in (12.7 mm) for IP68
<b>LED Density</b>	18 LEDs/ft / 60 LEDs/m	<b>Luminous Flux Maintenance</b>	75,000 hrs <sup>3</sup>
<b>Board Type/Color</b>	4 oz Density Copper, White PCB	<b>Dimming</b>	DMX PWM, RF PWM, 0-10V, MLV, Incandescent
<b>Beam Angle</b>	120°	<b>Environmental</b>	IP 40 - Indoor, Dry / IP 68 - Damp, Wet
<b>Operating Temperature</b>	-20°F to 120°F	<b>Warranty</b>	5 Years Limited
<b>Mounting</b>	Non-Porous: 3M VHB Adhesive Mounting Tape	<b>Certifications</b>	 UL Listed, E479339

### Product Photometrics

Nominal CCT (K)	Luminous Flux (lm/ft)	Luminous Efficacy (lm/W)	CIE (x,y)	Duv <sub>1</sub>	CRI	TM-30-15	
						Fidelity (Rf)	Gamut (Rg)
2700 K	315	77.4	(0.4536, 0.4082)	+0.0005	95.9	90.8	97.4
4000 K	330	81.8	(0.3666, 0.3690)	+0.0005	96.3	88.4	97.2
5500 K	329	81.5	(0.3233, 0.3279)	-0.0031	95.9	91.4	102.7

1 - Duv Chromaticity Consistency is throughout the run length. Typically below 1-step MacAdam Ellipse.

2 - AcuVivid™ 12V RGBW LED Strips are Special Order only.

3 - After 75,000 hrs: 30% Luminous Flux loss, 10% Chromaticity change, as per LM-80-15

### Ordering Guide

Series	Voltage	Control	CCT / λ <sup>2,3*</sup>	IP	Run Length
AcuVivid™	XX	CV	XX	XX	16
	12 <sup>1</sup>	CV	27	40	
	24	CC	40	68	
			55		

<sup>1</sup> Voltage - AcuVivid™ 12V White LED Strips are Special Order only.

<sup>2</sup> CCT - Correlated Color Temperature, represented by the first 2 digits of the nominal CCT.

<sup>3</sup> λ - Peak Wavelength, represented by the 3 digits of the color wavelength.

\* CCT / λ - applicable on AcuVivid and AcuHue series only.

<sup>2</sup>27 - White 2700 K

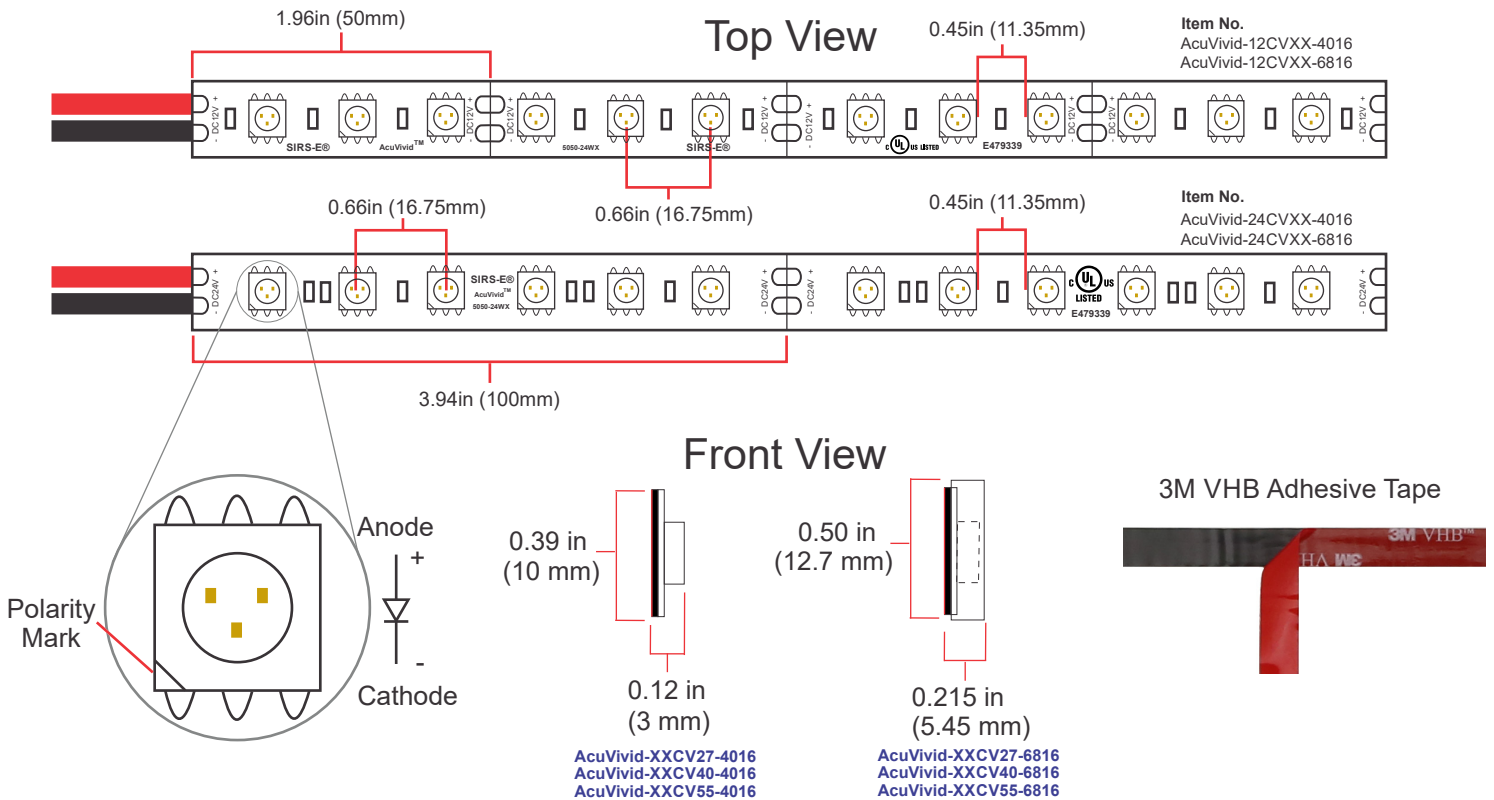
<sup>2</sup>40 - White 4000 K

<sup>2</sup>55 - White 5500 K

### Product Country of Origin

Product Engineering & Design	USA
Assembled	China Preassembled / USA Final Assembly
QC Quality Control	USA
Product Customization	USA
Technical Support	USA

### Mechanical Dimensions



### Weight

Product Weight: 4.5 oz, 16.4 ft Reel, IP40. Without Packaging.  
13.1 oz, 16.4 ft Reel, IP68. Without Packaging.

### Notes

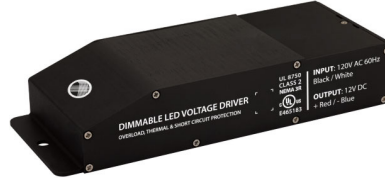
- A good technique to minimize brightness loss and increase lumen output on CV LED Strips is to power the strip on both sides.
- LED electrical and photometric characteristics change with the manufacturing batch/bin date. Approximately 3-Step MacAdam Ellipses between batches.
- We reserve the right to change any data without prior notice.

## Accessories Compatible

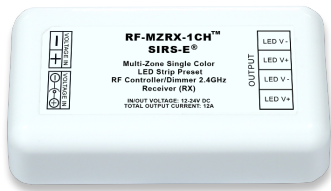
This list shows some of our most sellable accessories compatible for this product. For a complete list, please visit our website.



Meanwell 12V & 24V PSUs  
LED-PS12V-60W-UL  
LED-PS24V-90W-UL



Magnitude Dimmable PSUs  
PS12V60W-DIM  
PS24V96W-DIM



SIRS-E RF Controllers  
RF-MZR-RGBW



SIRS-E DMX Controllers  
DMX-CON3-C2



SIRS-E Waterproof  
Accessories



SIRS-E Single Color Wire Leads



## About Us



SIRS-E /semiconductor • illumination • research • solutions /

In 2004, SIRS-E began research into the use of high powered LED components to be applied in direct lighting fixtures and LED strips.

In 2005, SIRS-E developed the RGB HPL01 – 12 watt (60 lumens per watt efficiency) RGB lighting fixture controlled via DMX using LumiLEDs, one of the first high powered LEDs eventually acquired by Phillips. Included in early research solutions, was the development and testing of many different LED strips intended to be used for direct RGB lighting and effects applications. This was the beginning of what we now know as SIRS – Electronics.



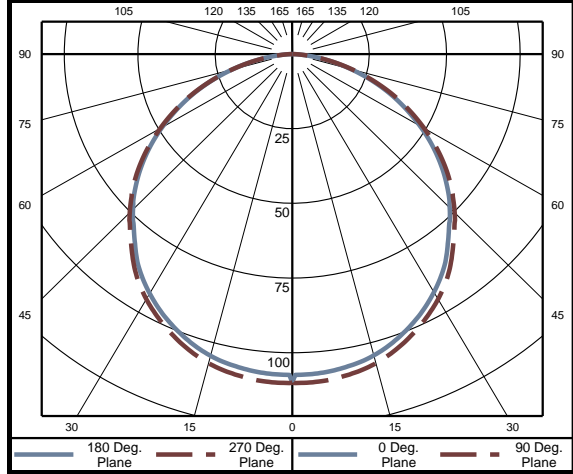


SIRS Electronics Inc  
Catalog Number  
**ACUVIVID-24CV40-4016**



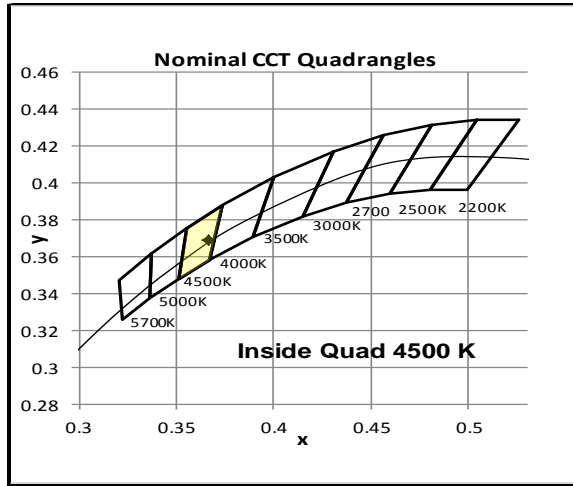
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	24.00 VDC	0.1704 A	4.089 W	N/A	N/A	N/A

Summary of Results	
Total Lumen Output	329.8 Lumens
Luminaire Efficacy	81.8 lm/w
Maximum Candela	111 Candela
CCT	4345 K
CRI	96.3
Duv	0.0005
TM-30 Rf	88.4
TM-30 Rg	97.2



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	110	
5	110	10
10	109	
15	107	30
20	104	
25	100	46
30	95	
35	90	56
40	83	
45	76	58
50	68	
55	60	53
60	51	
65	41	41
70	31	
75	21	23
80	12	
85	5	6
90	0	

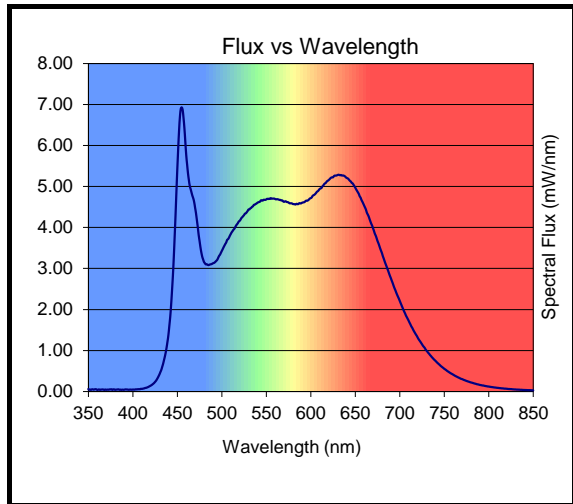
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	87	26.9%
0-40	143	44.2%
0-60	255	78.8%
0-90	323	100.0%
40-90	180	55.8%
60-90	69	21.2%
90-180	0	0.0%
0-180	323	100.0%



Spacing Criteria	
0-180	1.26
90-270	1.26

Color Rendering Index Details	
Ra (CRI)	96.3
R1	98.1
R2	98.7
R3	98.9
R4	93.6
R5	95.2
R6	96.3
R7	94.5
R8	95.1
R9	97.8
R10	99.1
R11	95.9
R12	70.4
R13	98.3
R14	98.8

Average Luminance cd/m <sup>2</sup>	
Vertical Angle	Horizontal Angle 0°
0	29030
45	27470
55	26720
65	24900
75	21250
85	13050



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	6.88	5.14
6.00	3.06	7.71
8.00	1.72	10.3
10.0	1.10	12.9
12.0	0.764	15.4
14.0	0.561	18.0
16.0	0.430	20.6

Chromaticity Coordinates	
Chromaticity (x)	0.3666
Chromaticity (y)	0.3690
Chromaticity (u)	0.2191
Chromaticity (v)	0.3307
Chromaticity (u')	0.2191
Chromaticity (v')	0.4960
Duv	0.0005

Testing was performed in accordance with LM-79-08  
The results contained in this summary pertain only to report #11714176.21



UL Verification Services Inc.  
7036 Snowdrift Road  
Allentown, PA 18106  
610-774-1300



## Photometric Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-2002, CIE 13.3-1995  
CIE 15-2004, ANSI C78.377-2015, IES TM-30-2015

Prepared For  
**SIRS Electronics Inc**  
4705 Hwy 36 S  
STE 5  
Rosenberg, TX 77471  
United States

Catalog Number  
**ACUVIVID-24CV40-4016**  
Order Number  
11714176  
Test Number  
11714176.21

Test Date

2017-04-13 - 2017-04-14

Prepared By

Kevin Rodriguez, Technician

Approved By

Justin Benner, Project Handler

The results contained in this report pertain only to the tested sample.  
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This report must not be used by the client to claim product certification, approval, or endorsement by  
NVLAP, NIST, or any agency of the Federal Government.



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<b>Integrating Sphere Results</b>	Page 4
<b>Distribution Results</b>	
Conditions / Summary of Results / Polar Plot / Zonal Lumens	Page 6
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Coefficients of Utilization / Cone of Light	Page 8
ISOFootcandle Plot	Page 9

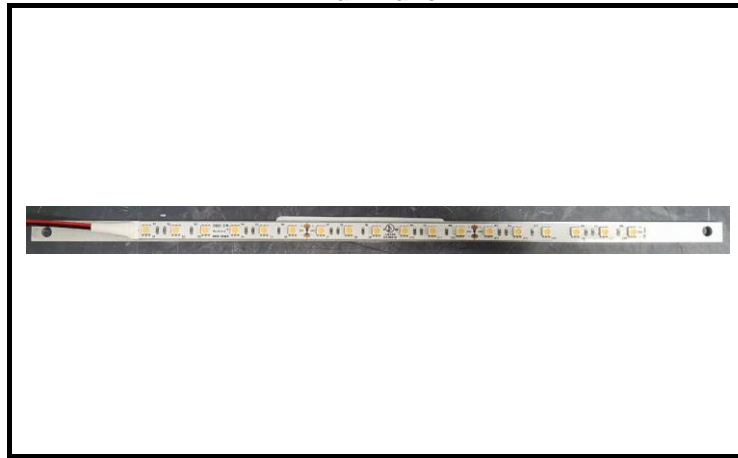
Laboratory results may not be representative of field performance  
Ballast factors have not been applied

Testing was performed in a 2-meter integrating sphere using the  $4\pi$  geometry method.  
Absorption correction was employed for Sphere measurement



**Luminaire Description:** Formed aluminum backing plate, LED strip with no lens enclosure - 1' length (304.8mm)  
**Lamp:** 18 white LEDs  
**Mounting:** Surface – Ceiling  
**Ballast/Driver:** None

**Luminaire**



**Luminaire Characteristics**

Luminous Length: 11.75 in.  
Luminous Width: 0.5000 in.

**Summary of Results**

**Integrating Sphere**

Luminous Flux: 330 Lumens  
Efficacy: 81.8 lm/w  
CCT: 4345 K  
CRI (Ra): 96.3

**Distribution**

Total Luminaire Output: 323.2 Lumens  
Luminaire Efficacy: 79 lm/w  
Maximum Candela: 111 Candela

**Electrical Data at 24 VDC**

Test Temperature: 24.7 °C  
Voltage: 23.98 VDC  
Current: 0.1681 A  
Power: 4.031 W





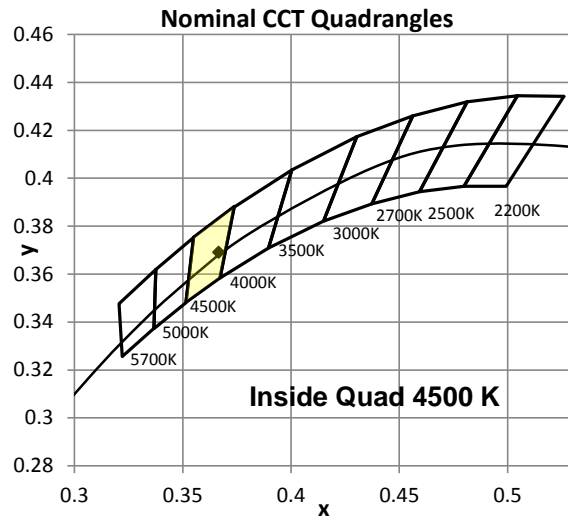
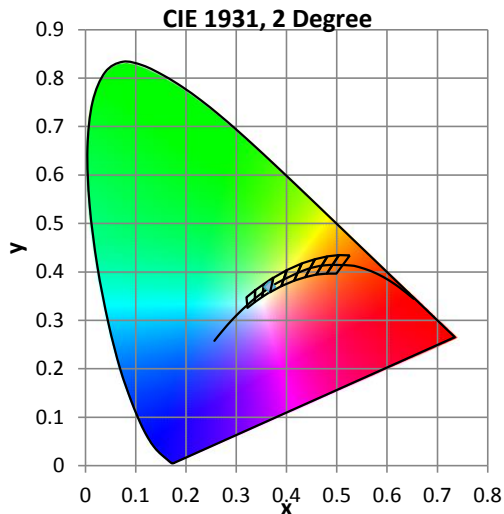
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	23.97 VDC	0.1681 A	4.031 W	N/A	N/A	N/A

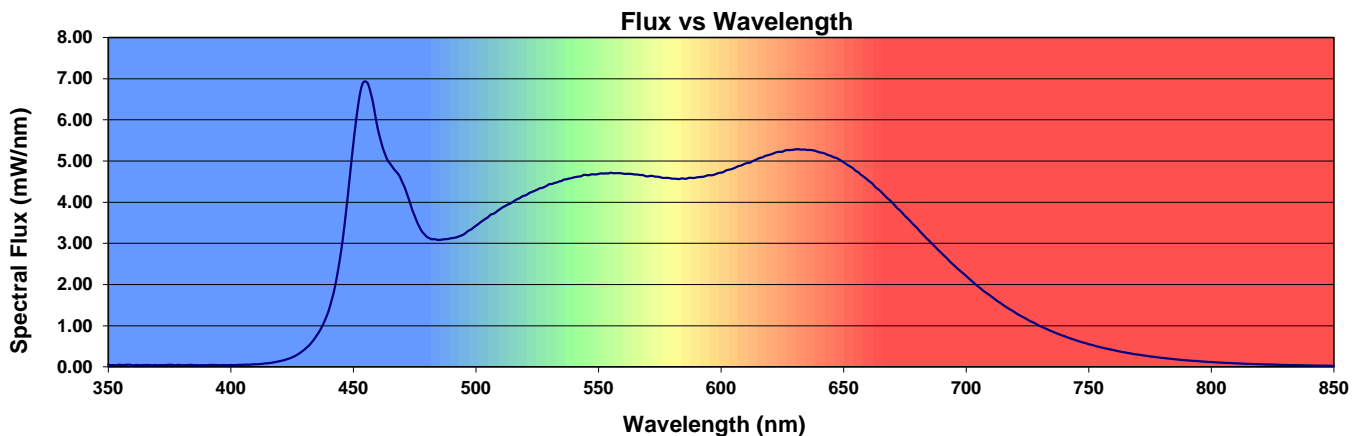
### Summary of Results

<b>Total Output:</b>	330 Lumens	<b>Chromaticity (x):</b>	0.3666
<b>Efficacy:</b>	81.8 lm/w	<b>Chromaticity (y):</b>	0.3690
<b>CCT:</b>	4345 K	<b>Chromaticity (u'):</b>	0.2191
<b>CRI (Ra):</b>	96.3	<b>Chromaticity (v'):</b>	0.4960
<b>CRI (R9):</b>	97.8	<b>TM-30 R<sub>f</sub>:</b>	88.4
<b>Peak Wavelength:</b>	454.9 nm	<b>TM-30 R<sub>g</sub>:</b>	97.2
<b>Dominant Wavelength:</b>	577.2 nm	<b>Duv:</b>	0.0005
<b>S/P Ratio:</b>	1.974		



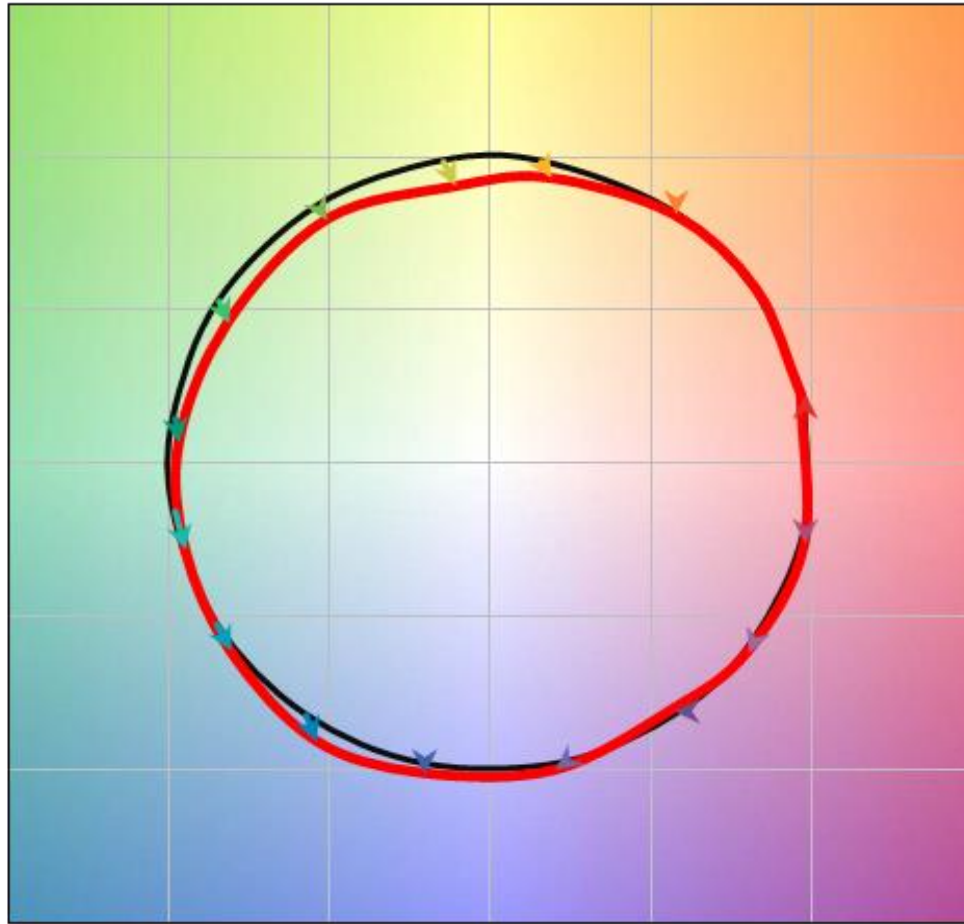
### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
96.3	98.1	98.7	98.9	93.6	95.2	96.3	94.5	95.1	97.8	99.1	95.9	70.4	98.3	98.8





## COLOR VECTOR GRAPHIC



— Reference Illuminant      — Test Source

HUE ANGLE ANALYSIS															
Hue Bin ( <i>j</i> )	Count ( <i>m</i> )	Average of Test SPD		Average of Ref SPD		Average $\Delta E$	Average $\theta$	Color Distortion Icon Parameters						$R_{fhj}$	Change of Chroma
		<i>a'</i>	<i>b'</i>	<i>a'</i>	<i>b'</i>			<i>da</i> <sub>relative</sub>	<i>db</i> <sub>relative</sub>	<i>path_x</i> <sub>ref</sub>	<i>path_y</i> <sub>ref</sub>	<i>path_x</i> <sub>test</sub>	<i>path_y</i> <sub>test</sub>		
1	8	23.46	5.76	23.74	5.30	1.143	0.21	-0.01	0.02	0.98	0.21	0.97	0.23	91	-1%
2	7	18.10	12.19	17.87	12.36	0.674	0.61	0.01	-0.01	0.82	0.58	0.83	0.57	95	0%
3	7	14.81	21.91	14.45	22.36	0.690	0.98	0.01	-0.02	0.56	0.83	0.57	0.81	95	-1%
4	8	4.41	21.00	3.72	22.27	1.532	1.42	0.03	-0.06	0.15	0.99	0.19	0.93	88	-5%
5	10	-1.47	17.71	-2.31	19.34	1.887	1.72	0.04	-0.08	-0.15	0.99	-0.11	0.90	86	-9%
6	7	-10.60	16.46	-11.15	17.43	1.148	2.14	0.03	-0.05	-0.54	0.84	-0.51	0.80	91	-5%
7	5	-17.56	10.07	-18.20	11.60	1.691	2.58	0.03	-0.07	-0.85	0.53	-0.82	0.46	87	-6%
8	2	-22.24	2.21	-22.68	3.97	1.842	2.99	0.02	-0.08	-0.99	0.15	-0.97	0.07	86	-3%
9	9	-16.92	-3.95	-17.59	-1.71	2.345	-2.99	0.04	-0.13	-0.99	-0.15	-0.95	-0.28	82	-1%
10	6	-20.16	-14.43	-21.23	-12.23	2.445	-2.59	0.04	-0.09	-0.85	-0.52	-0.81	-0.61	82	1%
11	8	-11.93	-20.07	-12.61	-18.18	2.027	-2.19	0.03	-0.09	-0.58	-0.82	-0.55	-0.90	85	5%
12	3	-5.81	-24.41	-5.53	-23.67	0.954	-1.78	-0.01	-0.03	-0.21	-0.98	-0.22	-1.01	93	3%
13	6	2.95	-15.87	3.43	-15.45	1.180	-1.34	-0.03	-0.03	0.23	-0.97	0.20	-1.00	91	2%
14	2	13.26	-18.65	13.72	-18.86	0.987	-0.94	-0.02	0.01	0.59	-0.81	0.57	-0.80	93	-2%
15	4	14.85	-11.90	15.12	-11.26	1.730	-0.62	-0.01	-0.03	0.82	-0.58	0.80	-0.61	87	1%
16	7	19.90	-4.67	19.87	-3.78	1.738	-0.22	0.00	-0.04	0.98	-0.22	0.98	-0.26	87	1%



## Distribution - Goniophotometer

### Distribution Test Conditions

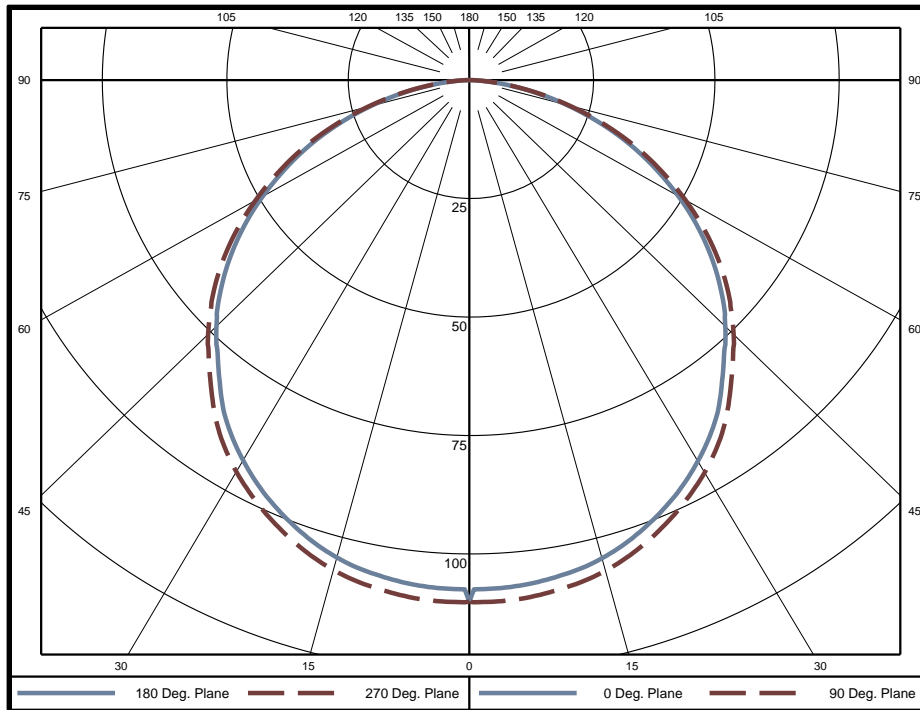
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	24.00 VDC	0.1704 A	4.089 W	N/A	N/A	N/A

### Summary of Results

**Spacing Criteria**  
 0-180: 1.26  
 90-270: 1.26

**Total Lumen Output:** 323.2 Lumens  
**Luminaire Efficacy:** 79.0 lm/w  
**Maximum Candela:** 111 Candela

### Polar Plot



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	2.63	0.8%	60-65	22.25	6.9%	120-125	0	0.0%
5-10	7.82	2.4%	65-70	18.31	5.7%	125-130	0	0.0%
10-15	12.81	4.0%	70-75	13.71	4.2%	130-135	0	0.0%
15-20	17.39	5.4%	75-80	8.89	2.8%	135-140	0	0.0%
20-25	21.40	6.6%	80-85	4.40	1.4%	140-145	0	0.0%
25-30	24.74	7.7%	85-90	1.10	0.3%	145-150	0	0.0%
30-35	27.27	8.4%	90-95	0	0.0%	150-155	0	0.0%
35-40	28.74	8.9%	95-100	0	0.0%	155-160	0	0.0%
40-45	29.26	9.1%	100-105	0	0.0%	160-165	0	0.0%
45-50	29.08	9.0%	105-110	0	0.0%	165-170	0	0.0%
50-55	27.85	8.6%	110-115	0	0.0%	170-175	0	0.0%
55-60	25.51	7.9%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	143	44.2%
0-60	255	78.7%
0-90	323	100.0%
90-180	0	0.0%



**Candela Tabulation**  
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
5	107.2	109.3	110.6	110.8	110.0	110.8	110.6	109.3	107.2	109.3	110.6	110.8	110.0	110.8	110.6	109.3
10	106.2	108.3	109.5	109.7	109.0	109.7	109.5	108.3	106.2	108.3	109.5	109.7	109.0	109.7	109.5	108.3
15	104.4	106.7	107.7	107.8	107.1	107.8	107.7	106.7	104.4	106.7	107.7	107.8	107.1	107.8	107.7	106.7
20	101.4	103.7	104.7	104.8	104.1	104.8	104.7	103.7	101.4	103.7	104.7	104.8	104.1	104.8	104.7	103.7
25	97.6	99.9	100.7	100.8	100.2	100.8	100.7	99.9	97.6	99.9	100.7	100.8	100.2	100.8	100.7	99.9
30	92.9	95.3	96.0	96.1	95.6	96.1	96.0	95.3	92.9	95.3	96.0	96.1	95.6	96.1	96.0	95.3
35	87.3	89.7	90.2	90.3	89.9	90.3	90.2	89.7	87.3	89.7	90.2	90.3	89.9	90.3	90.2	89.7
40	80.3	82.7	82.9	83.1	82.7	83.1	82.9	82.7	80.3	82.7	82.9	83.1	82.7	83.1	82.9	82.7
45	73.6	75.9	76.1	76.1	75.9	76.1	76.1	75.9	73.6	75.9	76.1	76.1	75.9	76.1	76.1	75.9
50	66.3	68.5	68.6	68.6	68.4	68.6	68.6	68.5	66.3	68.5	68.6	68.6	68.4	68.6	68.6	68.5
55	58.1	60.0	60.1	60.0	59.9	60.0	60.1	60.0	58.1	60.0	60.1	60.0	59.9	60.0	60.1	60.0
60	49.2	50.7	50.8	50.8	50.7	50.8	50.8	50.7	49.2	50.7	50.8	50.8	50.7	50.8	50.8	50.7
65	39.9	41.3	41.2	41.2	41.2	41.2	41.2	41.3	39.9	41.3	41.2	41.2	41.2	41.2	41.2	41.3
70	30.4	31.4	31.4	31.3	31.3	31.3	31.4	31.4	30.4	31.4	31.4	31.3	31.3	31.3	31.4	31.4
75	20.9	21.5	21.4	21.3	21.4	21.3	21.4	21.5	20.9	21.5	21.4	21.3	21.4	21.3	21.4	21.5
80	11.9	12.2	12.1	12.1	12.1	12.1	12.1	12.2	11.9	12.2	12.1	12.1	12.1	12.1	12.1	12.2
85	4.3	4.6	4.6	4.4	4.4	4.4	4.6	4.6	4.3	4.6	4.6	4.4	4.4	4.4	4.6	4.6
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Average Luminance (cd/m<sup>2</sup>)**  
Horizontal Angle (Degrees)

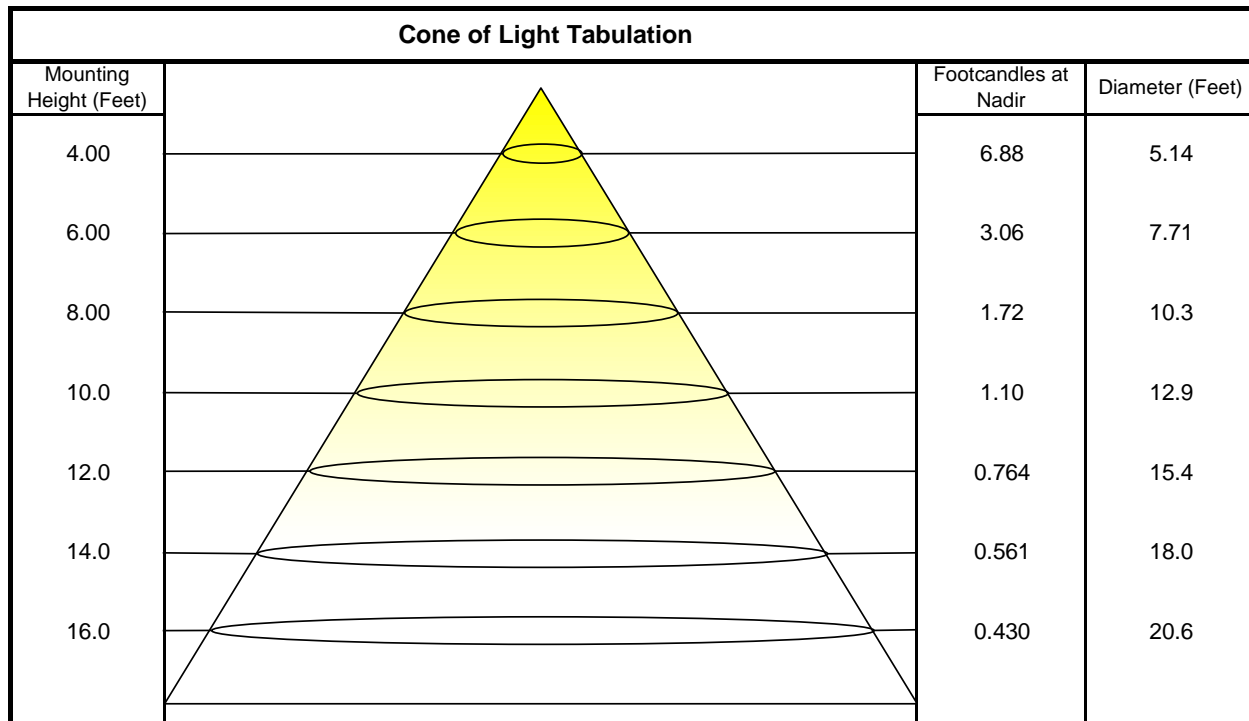
	0	45	90
0	29030	29030	29030
45	27470	28380	28310
55	26720	27620	27570
65	24900	25730	25730
75	21250	21820	21790
85	13050	13860	13440



### Utilization of Lumens - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%																		
Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as Lumens delivered to the task surface **																	
0	385	385	385	385	376	376	376	376	359	359	359	344	344	344	330	330	330	323
1	351	336	322	309	343	328	316	304	315	304	295	302	294	286	290	284	277	270
2	319	292	270	251	311	286	266	248	275	257	242	264	250	237	254	242	232	225
3	291	256	230	208	283	251	226	206	241	220	203	232	214	199	224	209	196	189
4	266	227	198	176	258	222	195	175	214	191	172	207	186	170	199	182	168	161
5	244	202	173	151	237	199	171	150	192	167	149	185	164	147	179	160	145	138
6	225	182	153	132	219	179	151	131	173	148	130	167	145	129	162	143	128	121
7	209	165	136	116	203	162	135	116	157	133	115	152	130	114	148	128	113	107
8	194	150	122	103	189	148	121	103	144	120	102	140	118	102	136	116	101	95
9	181	138	111	93	177	136	110	93	132	109	92	129	107	92	125	106	91	85
10	170	127	101	84	166	125	101	84	122	99	84	119	98	83	116	97	83	77

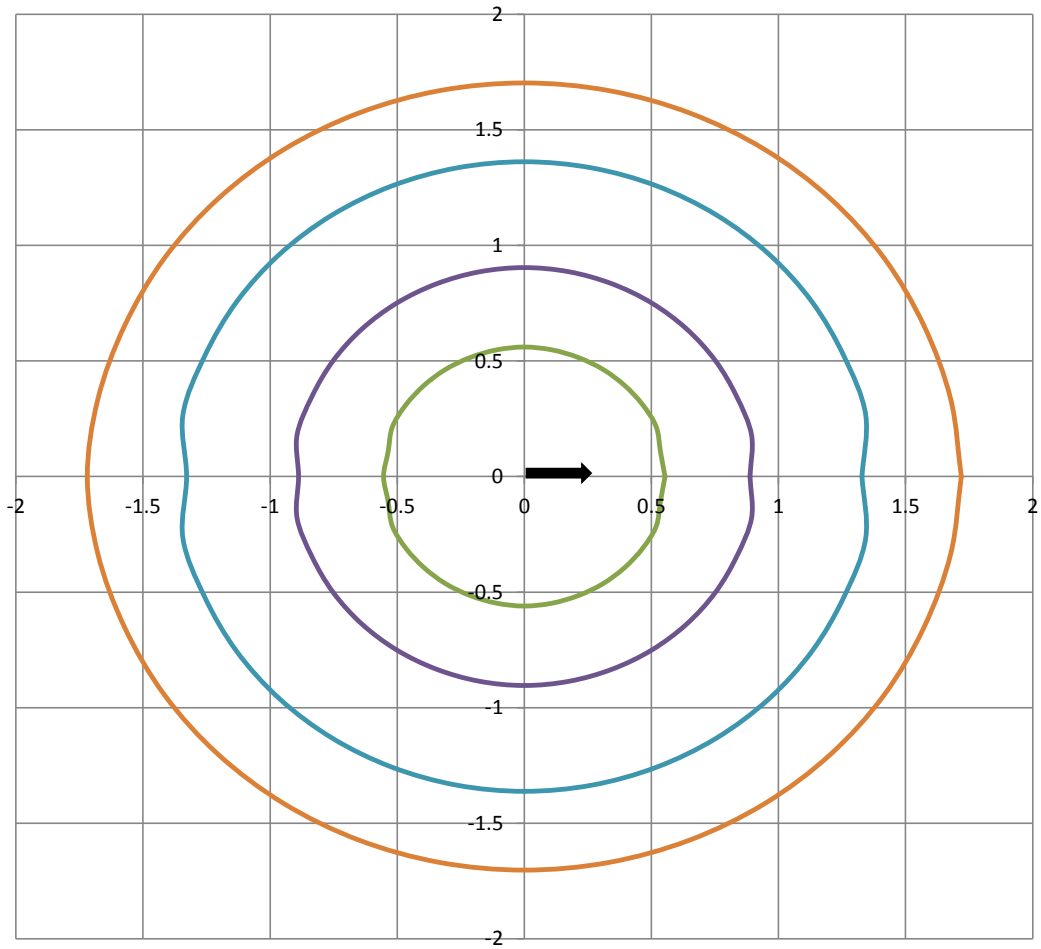
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	110.0 Candela
Central Cone Intensity:	110 Candela
Beam Flux:	242.7 Lumens
Beam Angle (0-180):	113.5 Degrees
Beam Angle (90-270):	115.4 Degrees
Field Angle (0-180):	161.0 Degrees
Field Angle (90-270):	161.3 Degrees





### ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height





# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170427-E479339  
**Report Reference** E479339-20151029  
**Issue Date** 2017-APRIL-27

**Issued to:** SIRS ELECTRONICS INC  
4705 HWY 36 S, SUITE 5  
ROSENBERG TX 77471

**This is to certify that  
representative samples of**

LOW-VOLTAGE LIGHTING SYSTEMS, POWER UNITS,  
LUMINAIRES AND FITTINGS

See addendum for models.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 2108, Low Voltage Lighting Systems  
CSA C22.2 NO. 9.0, Luminaires

**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170427-E479339  
**Report Reference** E479339-20151029  
**Issue Date** 2017-APRIL-27

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

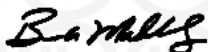
Low voltage luminaires, LED strip lights, models 5050-LED-RGB, 5050-LED-4RGBXX-72 where XX is A, WH or WW, 5050-LED-WH, -WW, -CW; may be followed additional alphanumeric characters.

Low voltage luminaires, LED strip lights, models 5050-12RGB, 5050-12RGBXX where XX is A, WN or WW, 5050-12WX where X is N, W, or C; may be followed by additional alphanumeric characters.

Low voltage luminaires, LED strip lights, 5050-24V-RGB, 5050-24V-4RGBXX where XX is A, WH or WW, 5050-24V- WH, -WW, -CW; may be followed additional alphanumeric characters.

Low voltage luminaires, LED strip lights, models 5050-24RGB, 5050-24RGBXX where XX is A, WN or WW, 5050-24WX where X is N, W or C; may be followed by additional alphanumeric characters.

Low voltage luminaires, LED strip lights, model series ACUVIBRANT, ACUHUE, ACUVIVID; may be followed by additional alphanumeric characters.



Bruce Mahrenholz, Director North American Certification Program

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