



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



## Integrating Sphere Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995  
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For  
**SIRS Electronics Inc**

3307 West St  
Rosenburg, TX 77471  
United States

Catalog Number  
**DMX-5RGBWN-326X (RED)**

Order Number  
14430879  
Test Number  
14430879.01

Test Date

2022-08-11

Prepared By

Cordaryl Cousar, Technician

Approved By

Jeffrey Lockner, Staff Engineer

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NVLAP, NIST, or any agency of the Federal Government.



**Luminaire Description:** RGB LED strip on formed aluminum with no lens enclosure  
**Lamp:** 10 RGB LEDs  
**Mounting:** Surface – Ceiling  
**Ballast/Driver:** One meanwell GST60A05-P1J driver

**Luminaire**



**Summary of Results**

Radiant Flux:	114.2 mW
Luminous Flux:	22.54 lm
Luminaire Efficacy:	17.0 lm/W
CCT:	1000 K
CRI (Ra):	20.9
Chromaticity (x):	0.6938
Chromaticity (y):	0.3050
Chromaticity (u):	0.5263
Chromaticity (v):	0.3471
Duv:	0.0065

**Test Conditions**

Test Temperature:	25.1 °C
Voltage:	120.0 VAC
Current:	0.03723 A
Power:	1.327 W
Power Factor:	0.297
Frequency:	60 Hz
Current THD:	121 %

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



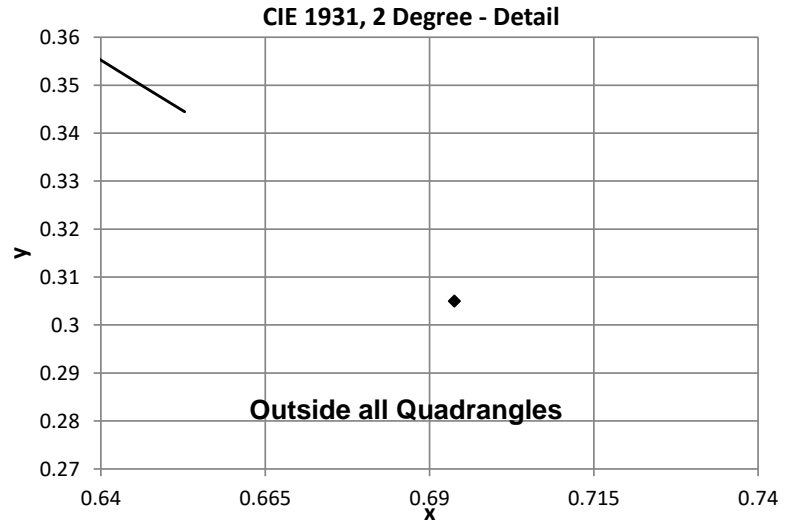
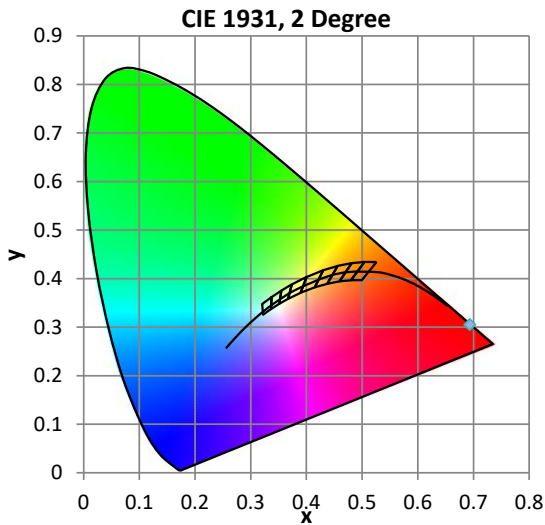
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.03723 A	1.327 W	0.297	60 Hz	121 %

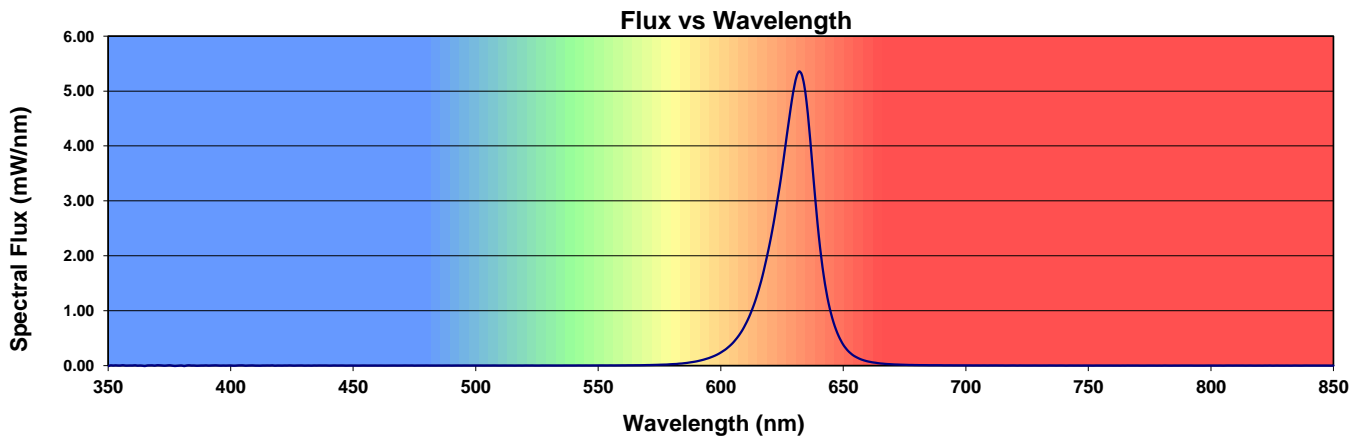
### Summary of Results

<b>Total Output:</b>	23 Lumens	<b>Chromaticity (x):</b>	0.6938
<b>Efficacy:</b>	17.0 lm/w	<b>Chromaticity (y):</b>	0.3050
<b>CCT:</b>	1000 K	<b>Chromaticity (u'):</b>	0.5263
<b>CRI (Ra):</b>	20.9	<b>Chromaticity (v'):</b>	0.5206
<b>CRI (R9):</b>	-203.4	<b>TM-30 Rf:</b>	20.8
<b>Peak Wavelength:</b>	632 nm	<b>TM-30 Rg:</b>	N/A
<b>Dominant Wavelength:</b>	622 nm	<b>TM-30 Rcs,h1:</b>	-4%
<b>S/P Ratio:</b>	0.06	<b>Duv:</b>	0.2442
<b>M/P Ratio:</b>	0.01	WELL Building Standard v2	



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
20.9	13.3	80.1	35.9	-16.4	9.8	91.6	11.5	-58.9	-203.4	74.5	-3.5	78.1	35.0	62.8	-28.4



# ANSI/IES TM-30-18 Color Rendition Report

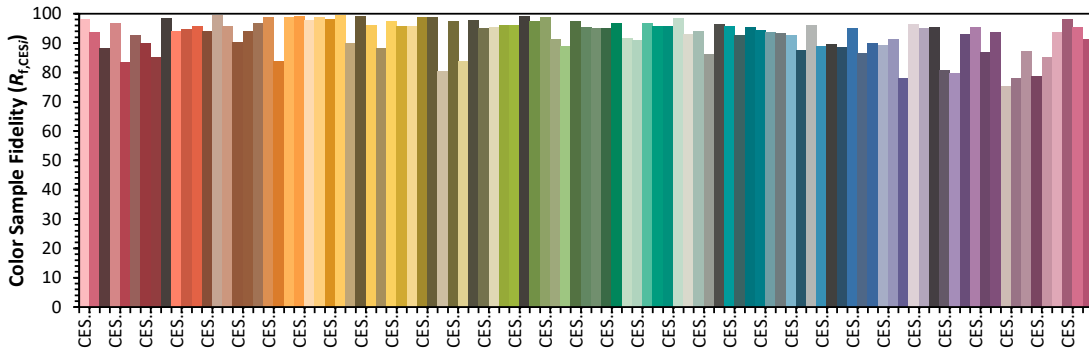
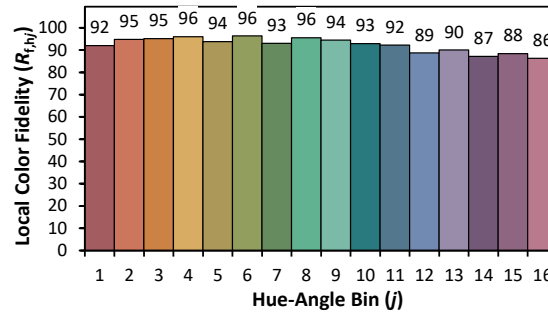
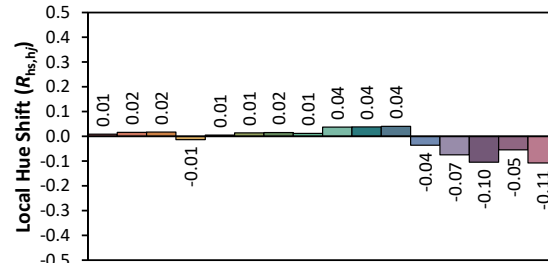
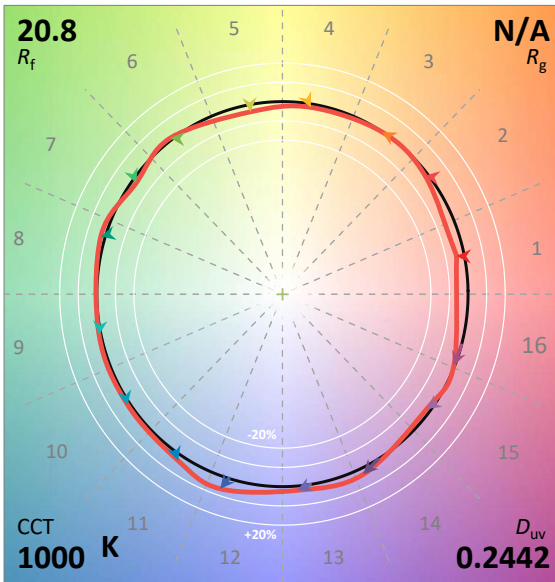
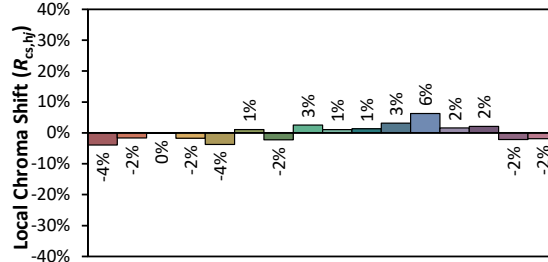
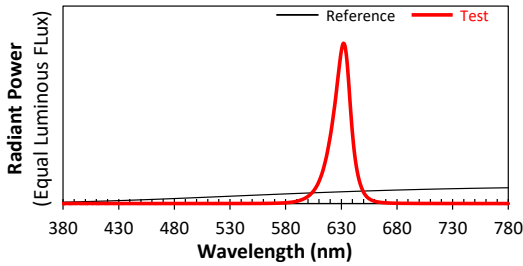
Date: 2022-08-11

Manufacturer:

SIRS Electronics Inc

Model:

DMX-5RGBWN-326X (RED)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.6938  
y 0.3050  
u' 0.5263  
v' 0.5206

CIE 13.3-1995 (CRI)	
$R_a$	21
$R_g$	-203

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



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## Integrating Sphere Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995  
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For  
**SIRS Electronics Inc**  
3307 West St  
Rosenburg, TX 77471  
United States

Catalog Number  
**DMX-5RGBWN-326X (GREEN)**

Order Number  
14430879  
Test Number  
14430879.03

Test Date  
2022-08-12

Prepared By

Cordaryl Cousar, Technician

Approved By

Jeffrey Lockner, Staff Engineer

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**Luminaire Description:** RGB LED strip on formed aluminum with no lens enclosure  
**Lamp:** 10 RGB LEDs  
**Mounting:** Surface – Ceiling  
**Ballast/Driver:** One meanwell GST60A05-P1J driver

**Luminaire**



**Summary of Results**

Radiant Flux:	108.1 mW
Luminous Flux:	47.32 lm
Luminaire Efficacy:	35.8 lm/W
CCT:	8506 K
CRI (Ra):	-23.8
Chromaticity (x):	0.1351
Chromaticity (y):	0.7104
Chromaticity (u):	0.0480
Chromaticity (v):	0.3787
Duv:	0.1650

**Test Conditions**

Test Temperature:	25.1 °C
Voltage:	120.0 VAC
Current:	0.03717 A
Power:	1.322 W
Power Factor:	0.296
Frequency:	60 Hz
Current THD:	121 %

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



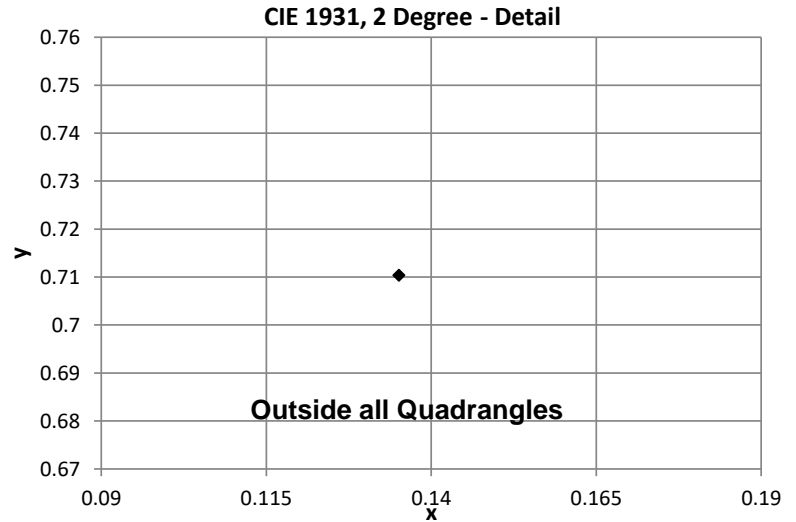
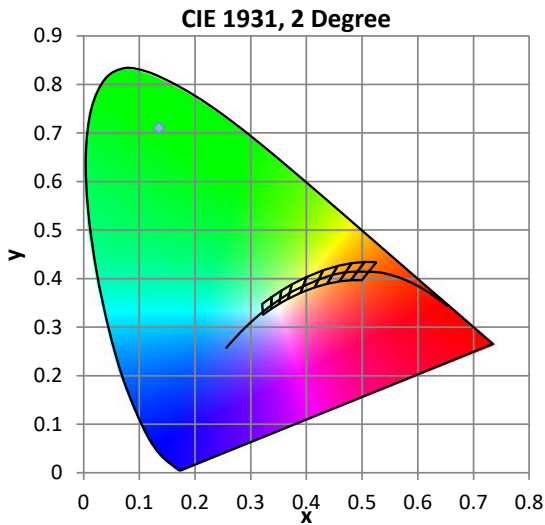
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.03717 A	1.322 W	0.296	60 Hz	121 %

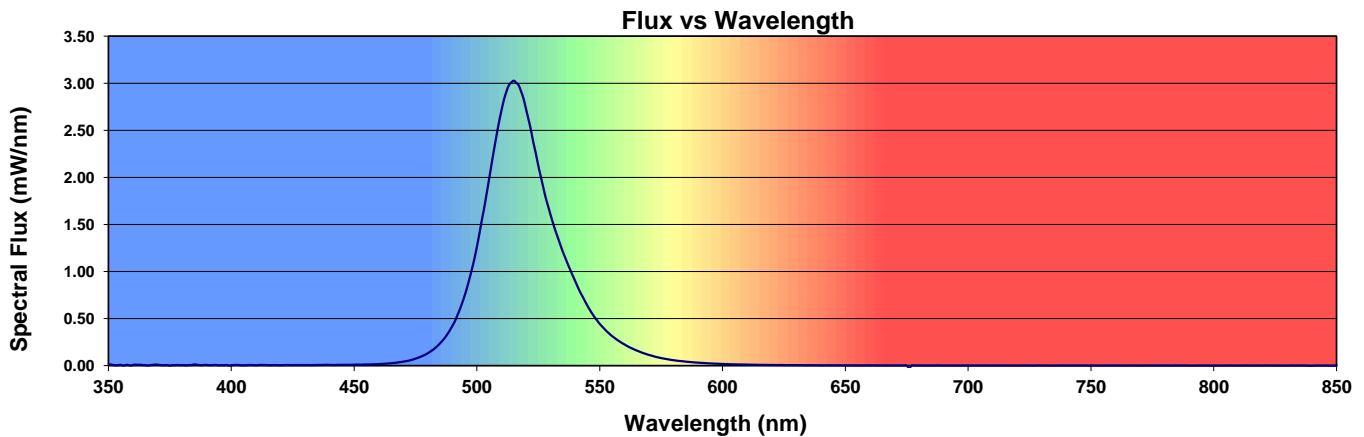
### Summary of Results

<b>Total Output:</b>	47 Lumens	<b>Chromaticity (x):</b>	0.1351
<b>Efficacy:</b>	35.8 lm/w	<b>Chromaticity (y):</b>	0.7104
<b>CCT:</b>	8506 K	<b>Chromaticity (u'):</b>	0.0480
<b>CRI (Ra):</b>	-23.8	<b>Chromaticity (v'):</b>	0.5681
<b>CRI (R9):</b>	-353.7	<b>TM-30 Rf:</b>	3
<b>Peak Wavelength:</b>	515 nm	<b>TM-30 Rg:</b>	8
<b>Dominant Wavelength:</b>	520 nm	<b>TM-30 Rcs,h1:</b>	-86%
<b>S/P Ratio:</b>	3.32	<b>Duv:</b>	0.1657
<b>M/P Ratio:</b>	1.29 WELL Building Standard v2		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
-23.8	-35.3	-8.4	-24.0	-61.3	-8.8	-18.1	-5.0	-29.3	-353.7	-108.1	-89.2	-33.5	-42.0	37.9	-36.4



# ANSI/IES TM-30-18 Color Rendition Report

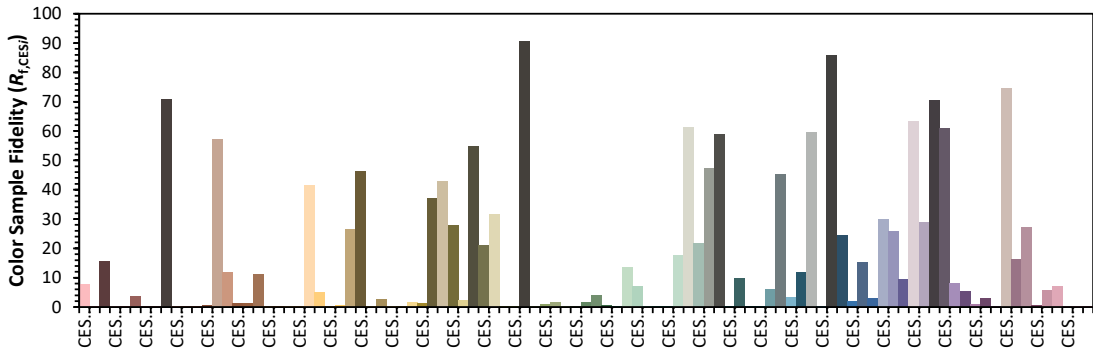
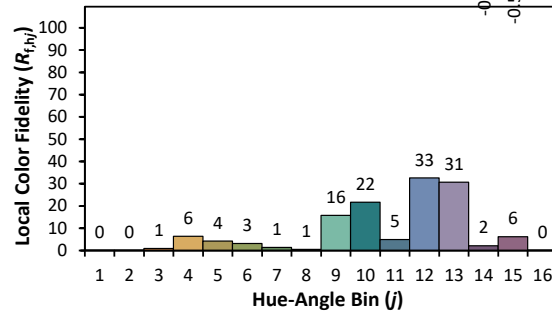
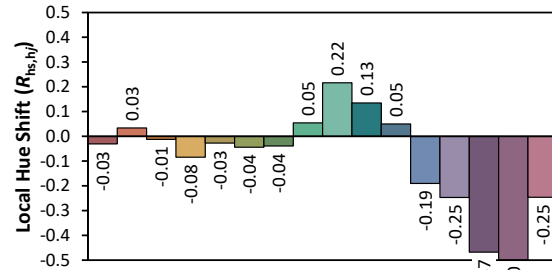
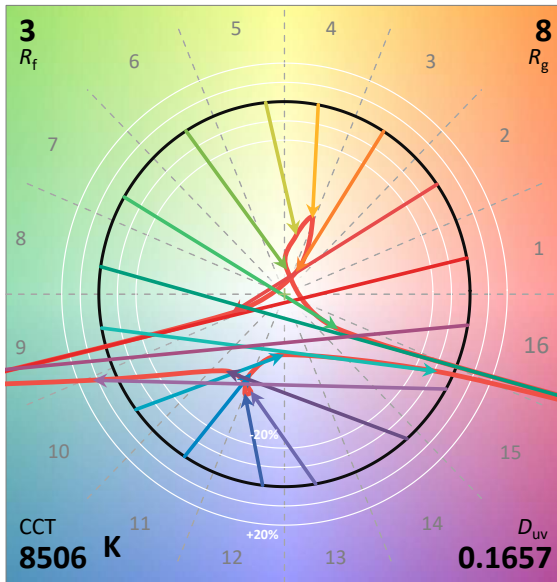
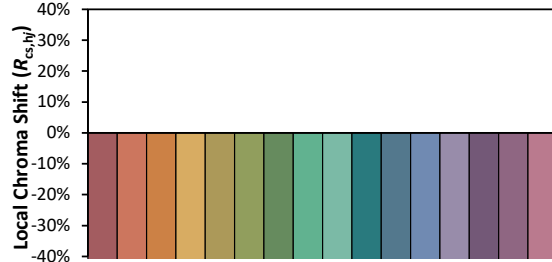
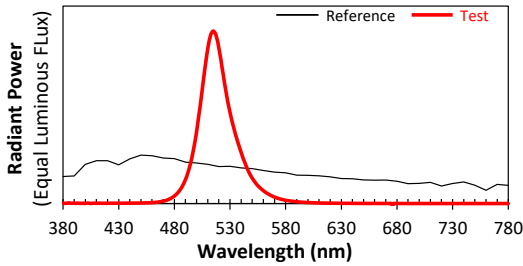
Date: 2022-08-12

Manufacturer:

SIRS Electronics Inc

Model:

DMX-5RGBWN-326X (GREEN)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.1351  
y 0.7104  
u' 0.0480  
v' 0.5681

CIE 13.3-1995 (CRI)	
R <sub>a</sub>	-24
R <sub>g</sub>	-354

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.





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CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For  
**SIRS Electronics Inc**  
3307 West St  
Rosenburg, TX 77471  
United States

Catalog Number  
**DMX-5RGBWN-326X (BLUE)**

Order Number  
14430879  
Test Number  
14430879.02

Test Date

2022-08-12

Prepared By

Cordaryl Cousar, Technician

Approved By

Jeffrey Lockner, Staff Engineer

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**Lamp:** 10 RGB LEDs  
**Mounting:** Surface – Ceiling  
**Ballast/Driver:** One meanwell GST60A05-P1J driver

**Luminaire**



**Summary of Results**

Radiant Flux:	166.3 mW
Luminous Flux:	10.8 lm
Luminaire Efficacy:	8.2 lm/W
CCT:	22000 K
CRI (Ra):	-48.5
Chromaticity (x):	0.1368
Chromaticity (y):	0.0567
Chromaticity (u):	0.1607
Chromaticity (v):	0.0999
Duv:	0.0278

**Test Conditions**

Test Temperature:	24.8 °C
Voltage:	120.0 VAC
Current:	0.03709 A
Power:	1.322 W
Power Factor:	0.297
Frequency:	60 Hz
Current THD:	121 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.  
Absorption correction was employed for this measurement.



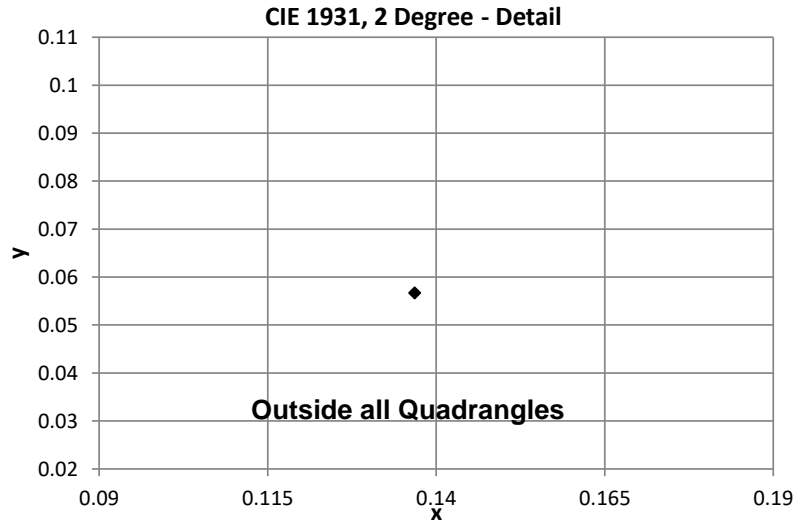
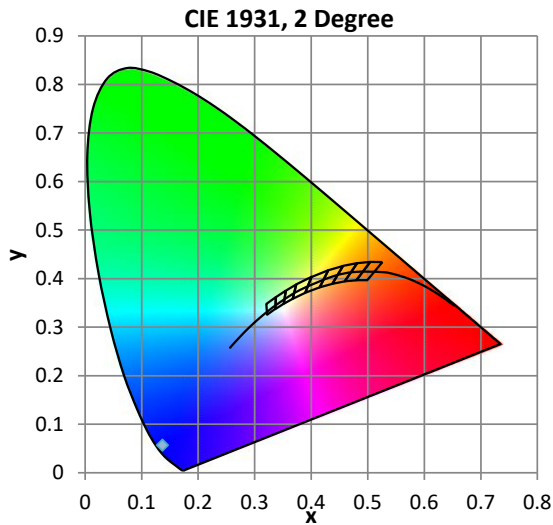
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.03709 A	1.322 W	0.297	60 Hz	121 %

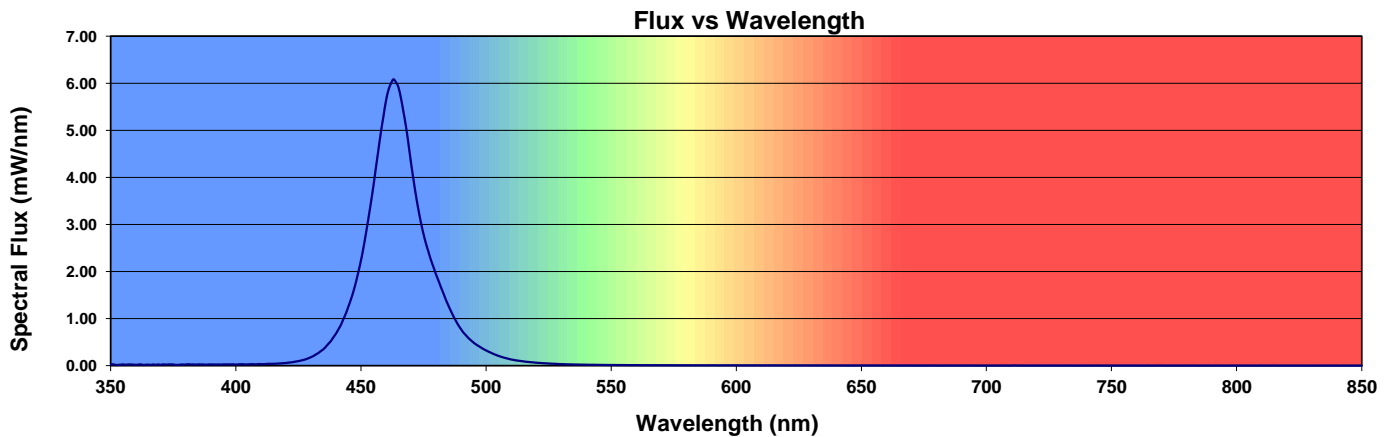
### Summary of Results

<b>Total Output:</b>	11 Lumens	<b>Chromaticity (x):</b>	0.1368
<b>Efficacy:</b>	8.2 lm/w	<b>Chromaticity (y):</b>	0.0567
<b>CCT:</b>	22000 K	<b>Chromaticity (u'):</b>	0.1607
<b>CRI (Ra):</b>	-48.5	<b>Chromaticity (v'):</b>	0.1499
<b>CRI (R9):</b>	-289.9	<b>TM-30 Rf:</b>	1
<b>Peak Wavelength:</b>	463 nm	<b>TM-30 Rg:</b>	33
<b>Dominant Wavelength:</b>	468 nm	<b>TM-30 Rcs,h1:</b>	-71%
<b>S/P Ratio:</b>	16.1	<b>Duv:</b>	0.0762
<b>M/P Ratio:</b>	9.56	WELL Building Standard v2	



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
-48.5	-18.6	-33.7	-122.2	-83.0	-1.3	-49.9	-41.2	-38.2	-289.9	-197.6	-117.2	-104.9	-31.5	-22.8	-5.7



# ANSI/IES TM-30-18 Color Rendition Report

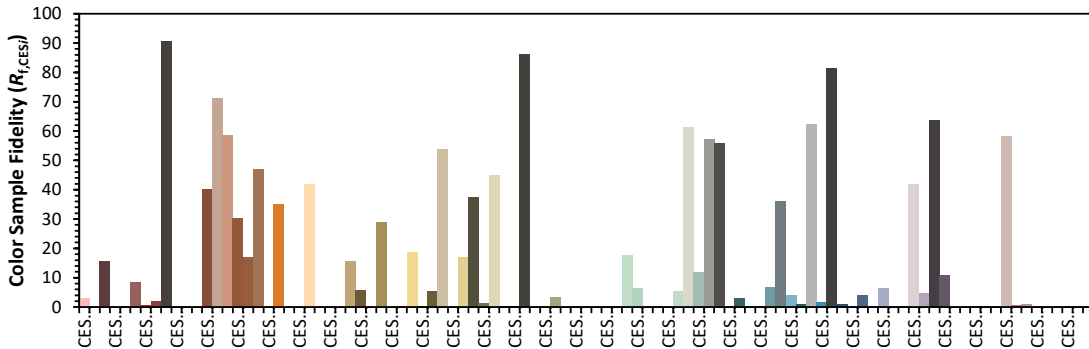
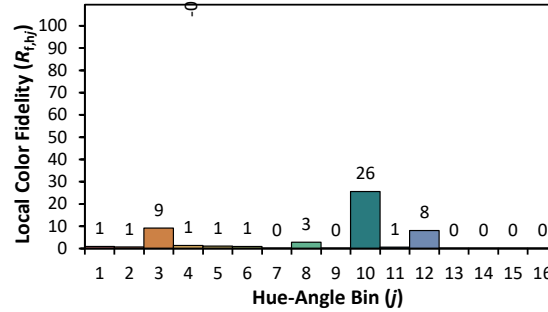
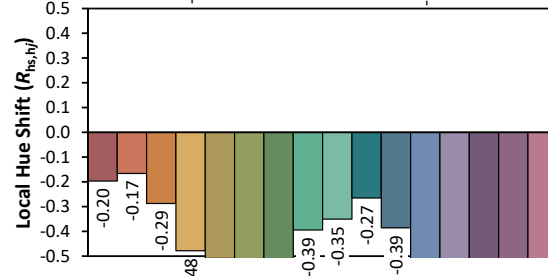
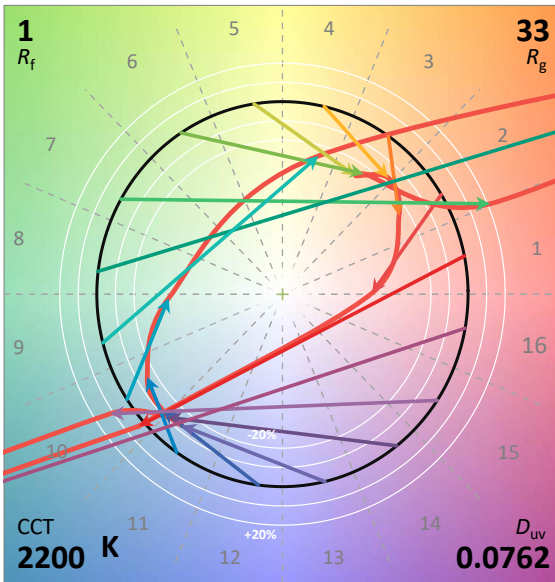
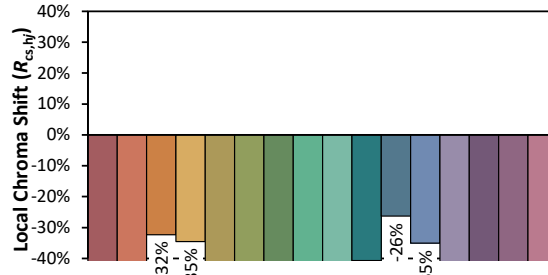
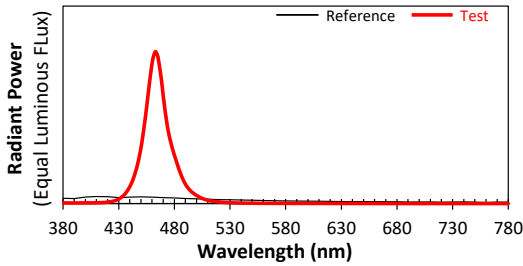
Date: 2022-08-12

Manufacturer:

SIRS Electronics Inc

Model:

DMX-5RGBWN-326X (BLUE)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.1368  
y 0.0567  
u' 0.1607  
v' 0.1499

CIE 13.3-1995 (CRI)	
$R_a$	-48
$R_g$	-290

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## Integrating Sphere Test Report

### Relevant Standards

IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995  
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

### Prepared For

## SIRS Electronics Inc

3307 West St  
Rosenburg, TX 77471  
United States

### Catalog Number

## DMX-5RGBWN-326X (WHITE)

Order Number

14430879

Test Number

14430879.04

Test Date

2022-08-12

Prepared By

Cordaryl Cousar, Technician

Approved By

Jeffrey Lockner, Staff Engineer

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**Lamp:** 10 RGB LEDs  
**Mounting:** Surface – Ceiling  
**Ballast/Driver:** One meanwell GST60A05-P1J driver

**Luminaire**



**Summary of Results**

Radiant Flux:	180.8 mW
Luminous Flux:	57.61 lm
Luminaire Efficacy:	43.6 lm/W
CCT:	5578 K
CRI (Ra):	82.6
Chromaticity (x):	0.3306
Chromaticity (y):	0.3475
Chromaticity (u):	0.2031
Chromaticity (v):	0.3203
Duv:	0.0040

**Test Conditions**

Test Temperature:	25.1 °C
Voltage:	120.0 VAC
Current:	0.03716 A
Power:	1.323 W
Power Factor:	0.296
Frequency:	60 Hz
Current THD:	121 %

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



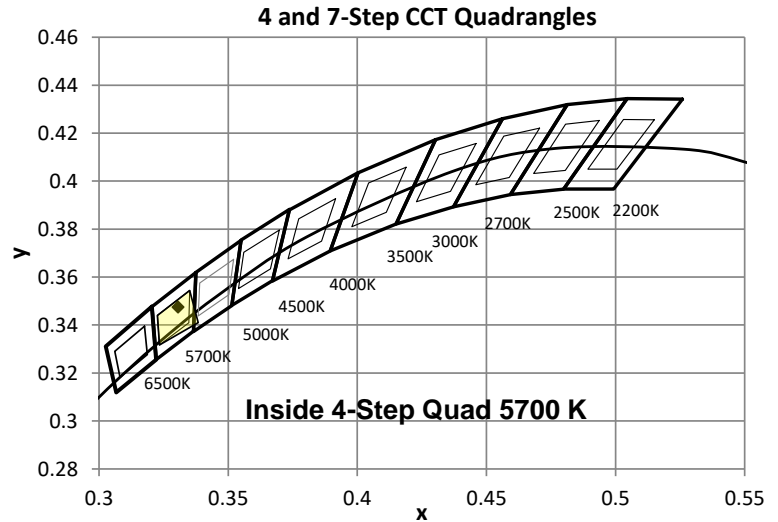
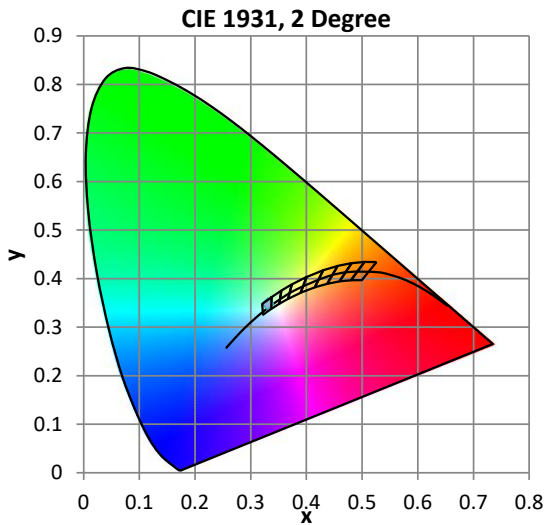
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.03716 A	1.323 W	0.296	60 Hz	121 %

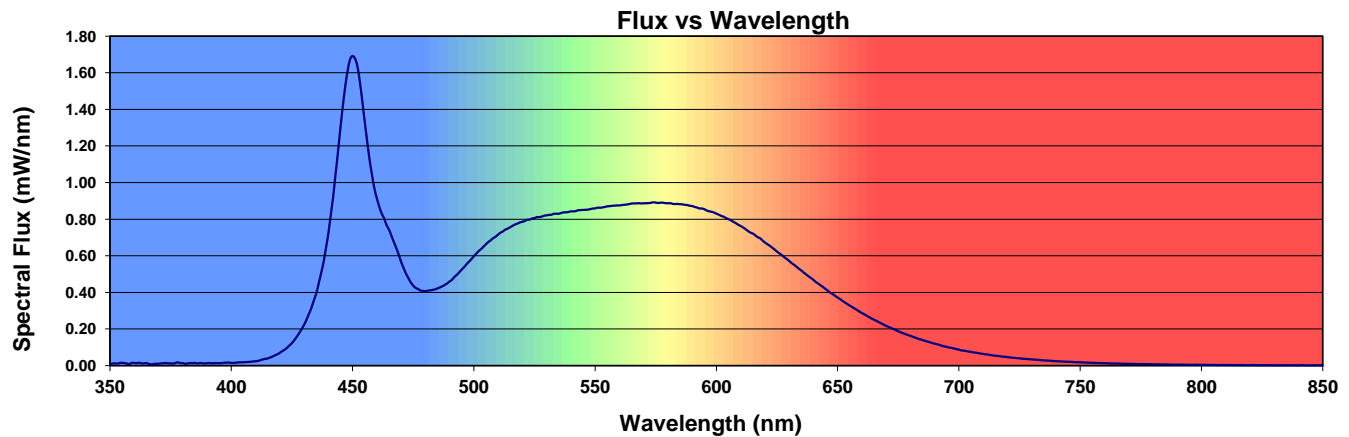
### Summary of Results

<b>Total Output:</b>	58 Lumens	<b>Chromaticity (x):</b>	0.3306
<b>Efficacy:</b>	43.6 lm/w	<b>Chromaticity (y):</b>	0.3475
<b>CCT:</b>	5578 K	<b>Chromaticity (u'):</b>	0.2031
<b>CRI (Ra):</b>	82.6	<b>Chromaticity (v'):</b>	0.4805
<b>CRI (R9):</b>	3.1	<b>TM-30 Rf:</b>	84
<b>Peak Wavelength:</b>	450 nm	<b>TM-30 Rg:</b>	95
<b>Dominant Wavelength:</b>	544 nm	<b>TM-30 Rcs,h1:</b>	-13%
<b>S/P Ratio:</b>	2.08	<b>Duv:</b>	0.0041
<b>M/P Ratio:</b>	0.88	WELL Building Standard v2	



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82.6	80.5	87.5	92.1	82.6	81.5	82.5	87.2	67.2	3.1	70.2	81.9	60.3	82.4	95.9	74.6



# ANSI/IES TM-30-18 Color Rendition Report

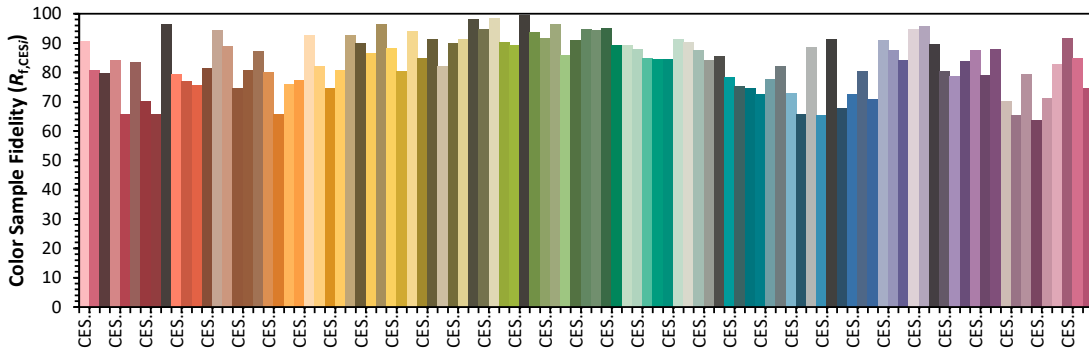
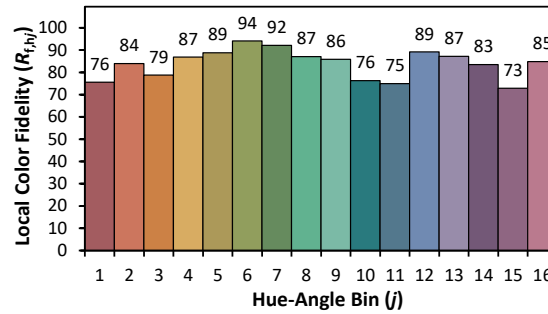
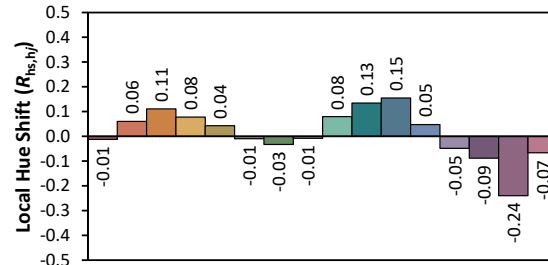
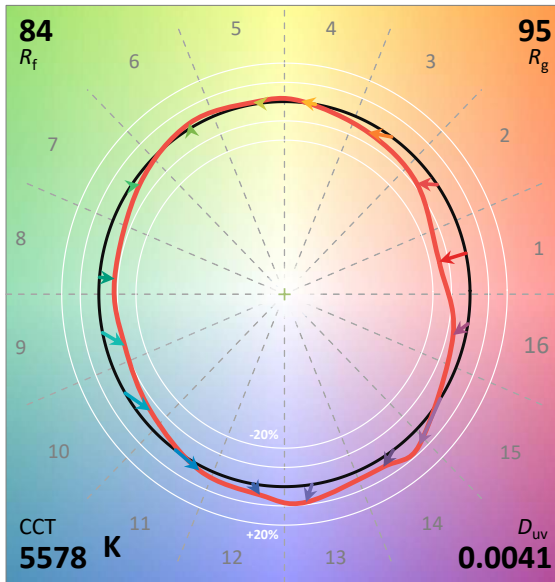
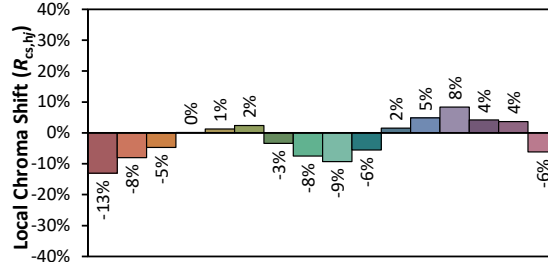
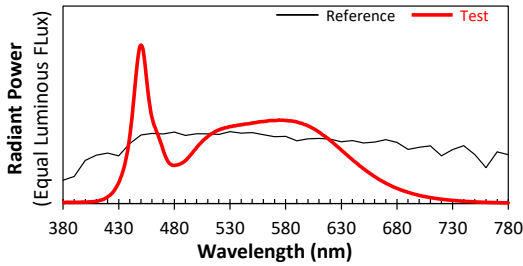
Date: 2022-08-12

Manufacturer:

SIRS Electronics Inc

Model:

DMX-5RGBWN-326X (WHITE)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.3306  
y 0.3475  
u' 0.2031  
v' 0.4805

CIE 13.3-1995 (CRI)	
$R_a$	83
$R_g$	3

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.





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



## Photometric Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995  
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For  
**SIRS Electronics Inc**  
3307 West St  
Rosenburg, TX 77471  
United States

Catalog Number  
**DMX-5RGBWN-326X (All On)**

Order Number  
14430879  
Test Number  
14430879.05

Test Date

2022-08-08 - 2022-08-11

Prepared By

Cordaryl Cousar, Technician

Approved By

Jeffrey Lockner, Staff Engineer

The results contained in this report pertain only to the tested sample.  
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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:** RGB LED strip on formed aluminum with no lens enclosure  
**Lamp:** 10 RGB LEDs  
**Mounting:** Surface – Ceiling  
**Ballast/Driver:** One meanwell GST60A05-P1J driver

### Luminaire



### Luminaire Characteristics

Luminous Length: 12.00 in.  
Luminous Width: 0.5000 in.

### Summary of Results

#### Integrating Sphere

Luminous Flux: 130.4 Lumens  
Efficacy: 28.8 lm/w  
CCT: 11316 K  
CRI (Ra): 60.5

#### Distribution

Total Luminaire Output: 129.8 Lumens  
Luminaire Efficacy: 28.7 lm/w  
Maximum Candela: 43 Candela

#### Electrical Data at 120 VAC

Test Temperature: 25.5 °C  
Voltage: 120.0 VAC  
Current: 0.09280 A  
Power: 4.528 W  
Power Factor: 0.407  
Frequency: 60 Hz  
Current THD: 189 %



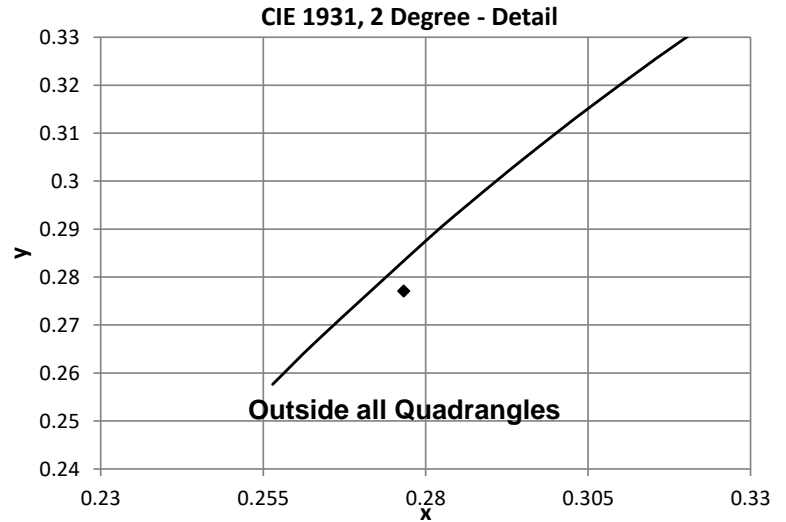
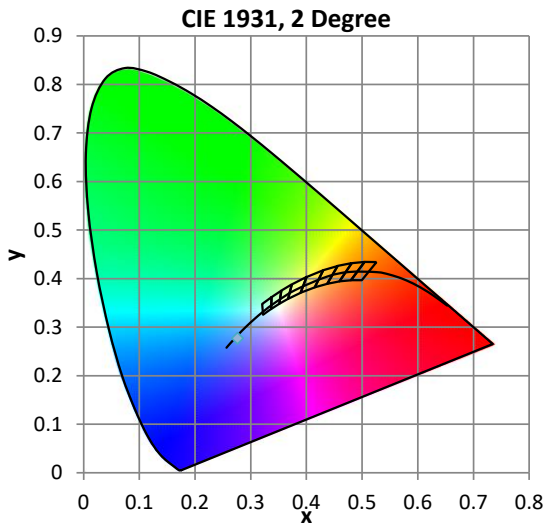
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.0 VAC	0.09280 A	4.528 W	0.407	60 Hz	189 %

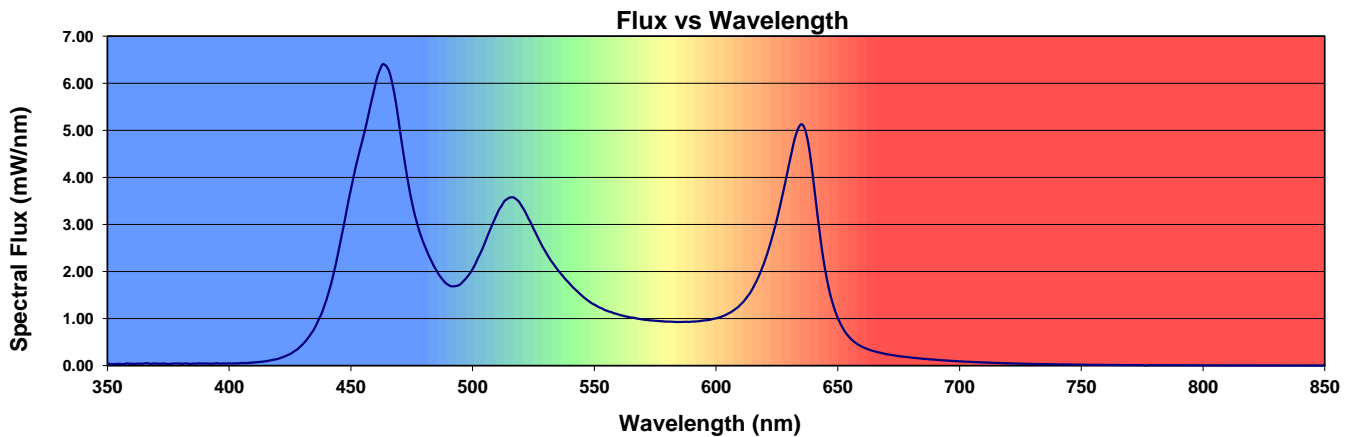
### Summary of Results

<b>Total Output:</b>	130 Lumens	<b>Chromaticity (x):</b>	0.2766
<b>Efficacy:</b>	28.8 lm/w	<b>Chromaticity (y):</b>	0.2771
<b>CCT:</b>	11316 K	<b>Chromaticity (u'):</b>	0.1917
<b>CRI (Ra):</b>	60.5	<b>Chromaticity (v'):</b>	0.4321
<b>CRI (R9):</b>	-122.7	<b>TM-30 Rf:</b>	69
<b>Peak Wavelength:</b>	464 nm	<b>TM-30 Rg:</b>	105
<b>Dominant Wavelength:</b>	477 nm	<b>TM-30 Rcs,h1:</b>	27%
<b>S/P Ratio:</b>	3.34	<b>Duv:</b>	-0.0034
<b>M/P Ratio:</b>	1.6 WELL Building Standard v2		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
60.5	47.6	69.0	84.6	58.4	59.6	66.4	72.0	26.7	-122.7	28.3	47.7	64.3	50.5	87.8	33.0





## Distribution - Goniophotometer

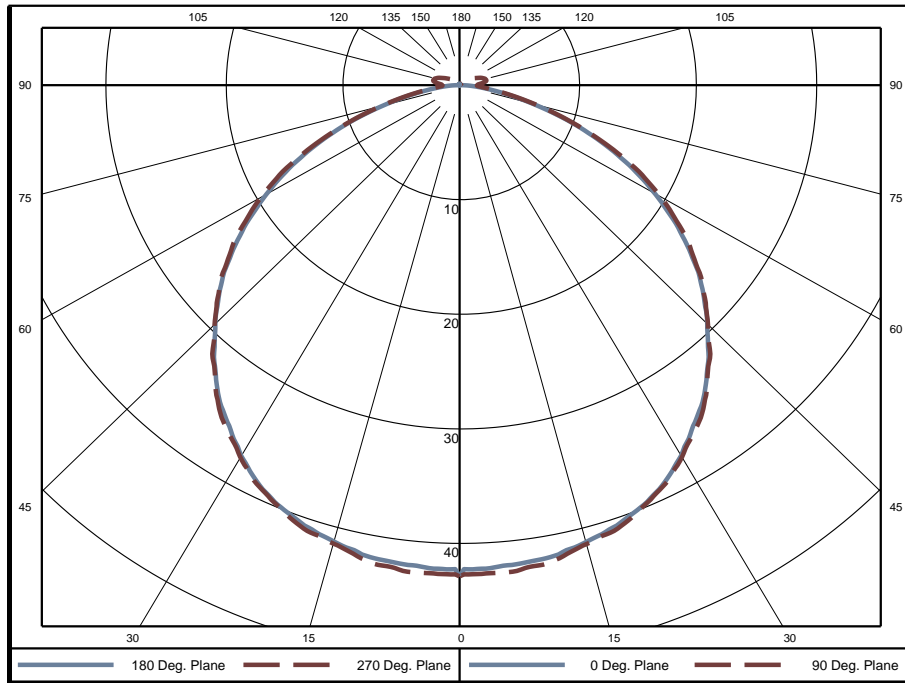
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.0 °C	120.0 VAC	0.08520 A	4.526 W	0.443	60 Hz	168 %

### Summary of Results

<b>Spacing Criteria</b>	<b>Total Lumen Output:</b>	129.8 Lumens
0-180: 1.29	<b>Luminaire Efficacy:</b>	28.7 lm/w
90-270: 1.29	<b>Maximum Candela:</b>	43 Candela
<b>Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)</b>	<b>Endwise:</b>	23.7
<b>Crosswise:</b> 23.6		

### Polar Plot



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.02	0.8%	60-65	8.55	6.6%	120-125	0.23	0.2%
5-10	3.05	2.3%	65-70	6.74	5.2%	125-130	0.14	0.1%
10-15	5.00	3.9%	70-75	4.68	3.6%	130-135	0.07	0.1%
15-20	6.82	5.3%	75-80	2.79	2.1%	135-140	0.03	0.0%
20-25	8.46	6.5%	80-85	1.44	1.1%	140-145	0.02	0.0%
25-30	9.83	7.6%	85-90	0.75	0.6%	145-150	0.02	0.0%
30-35	10.82	8.3%	90-95	0.64	0.5%	150-155	0.02	0.0%
35-40	11.48	8.8%	95-100	0.79	0.6%	155-160	0.02	0.0%
40-45	11.66	9.0%	100-105	0.77	0.6%	160-165	0.02	0.0%
45-50	11.51	8.9%	105-110	0.62	0.5%	165-170	0.01	0.0%
50-55	10.98	8.5%	110-115	0.44	0.3%	170-175	0.01	0.0%
55-60	9.99	7.7%	115-120	0.32	0.2%	175-180	0.00	0.0%

Zone	Lumens	% of Luminaire
0-40	56	43.5%
0-60	101	77.5%
0-90	126	96.7%
90-180	4	3.2%



**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	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88	42.88
5	42.11	42.86	42.99	42.85	42.71	42.85	42.99	42.86	42.11	42.86	42.99	42.85	42.71	42.85	42.99	42.86
10	41.94	42.66	42.69	42.65	42.41	42.65	42.69	42.66	41.94	42.66	42.69	42.65	42.41	42.65	42.69	42.66
15	41.28	41.96	42.09	41.73	41.46	41.73	42.09	41.96	41.28	41.96	42.09	41.73	41.46	41.73	42.09	41.96
20	40.43	41.19	41.23	41.07	40.69	41.07	41.23	41.19	40.43	41.19	41.23	41.07	40.69	41.07	41.23	41.19
25	39.21	39.94	40.09	39.57	39.27	39.57	40.09	39.94	39.21	39.94	40.09	39.57	39.27	39.57	40.09	39.94
30	37.35	38.12	38.11	37.82	37.48	37.82	38.11	38.12	37.35	38.12	38.11	37.82	37.48	37.82	38.11	38.12
35	35.05	35.83	35.95	35.65	35.43	35.65	35.95	35.83	35.05	35.83	35.95	35.65	35.43	35.65	35.95	35.83
40	32.47	33.26	33.27	33.04	32.54	33.04	33.27	33.26	32.47	33.26	33.27	33.04	32.54	33.04	33.27	33.26
45	29.52	30.41	30.23	29.98	29.59	29.98	30.23	30.41	29.52	30.41	30.23	29.98	29.59	29.98	30.23	30.41
50	26.49	27.15	27.13	26.82	26.65	26.82	27.13	27.15	26.49	27.15	27.13	26.82	26.65	26.82	27.13	27.15
55	22.92	23.75	23.79	23.43	23.36	23.43	23.79	23.75	22.92	23.75	23.79	23.43	23.36	23.43	23.79	23.75
60	19.09	19.74	19.81	19.61	19.58	19.61	19.81	19.74	19.09	19.74	19.81	19.61	19.58	19.61	19.81	19.74
65	15.00	15.62	15.58	15.49	15.50	15.49	15.58	15.62	15.00	15.62	15.58	15.49	15.50	15.49	15.58	15.62
70	10.81	11.20	11.30	11.05	10.99	11.05	11.30	11.20	10.81	11.20	11.30	11.05	10.99	11.05	11.30	11.20
75	6.61	6.98	7.05	6.93	6.89	6.93	7.05	6.98	6.61	6.98	7.05	6.93	6.89	6.93	7.05	6.98
80	3.39	3.72	3.82	3.79	3.73	3.79	3.82	3.72	3.39	3.72	3.82	3.79	3.73	3.79	3.82	3.72
85	1.42	1.71	1.91	1.98	1.95	1.98	1.91	1.71	1.42	1.71	1.91	1.98	1.95	1.98	1.91	1.71
90	0.20	0.80	1.35	1.50	1.47	1.50	1.35	0.80	0.20	0.80	1.35	1.50	1.47	1.50	1.35	0.80
95	0.03	0.69	1.74	1.87	1.82	1.87	1.74	0.69	0.03	0.69	1.74	1.87	1.82	1.87	1.74	0.69
100	0.03	0.65	1.95	2.28	2.29	2.28	1.95	0.65	0.03	0.65	1.95	2.28	2.29	2.28	1.95	0.65
105	0.04	0.45	1.62	2.15	2.22	2.15	1.62	0.45	0.04	0.45	1.62	2.15	2.22	2.15	1.62	0.45
110	0.04	0.19	1.14	1.74	1.91	1.74	1.14	0.19	0.04	0.19	1.14	1.74	1.91	1.74	1.14	0.19
115	0.05	0.06	0.81	1.36	1.50	1.36	0.81	0.06	0.05	0.06	0.81	1.36	1.50	1.36	0.81	0.06
120	0.05	0.05	0.59	1.08	1.17	1.08	0.59	0.05	0.05	0.05	0.59	1.08	1.17	1.08	0.59	0.05
125	0.05	0.06	0.26	0.83	0.92	0.83	0.26	0.06	0.05	0.06	0.26	0.83	0.92	0.83	0.26	0.06
130	0.06	0.06	0.07	0.46	0.68	0.46	0.07	0.06	0.06	0.06	0.07	0.46	0.68	0.46	0.07	0.06
135	0.06	0.07	0.07	0.15	0.29	0.15	0.07	0.07	0.06	0.07	0.07	0.15	0.29	0.15	0.07	0.07
140	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
145	0.07	0.08	0.08	0.07	0.06	0.07	0.08	0.08	0.07	0.08	0.08	0.07	0.06	0.07	0.08	0.08
150	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.08
155	0.09	0.09	0.09	0.08	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.07	0.08	0.09	0.09
160	0.09	0.10	0.09	0.09	0.08	0.09	0.09	0.10	0.09	0.10	0.09	0.09	0.08	0.09	0.09	0.10
165	0.10	0.10	0.10	0.09	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.09	0.08	0.09	0.10	0.10
170	0.10	0.11	0.11	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.11	0.10	0.09	0.10	0.11	0.11
175	0.10	0.11	0.11	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.11	0.10	0.09	0.10	0.11	0.11
180	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

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

	0	45	90
0	11080	11080	11080
45	10790	11040	10810
55	10320	10710	10520
65	9168	9525	9475
75	6596	7040	6874
85	4193	5666	5768

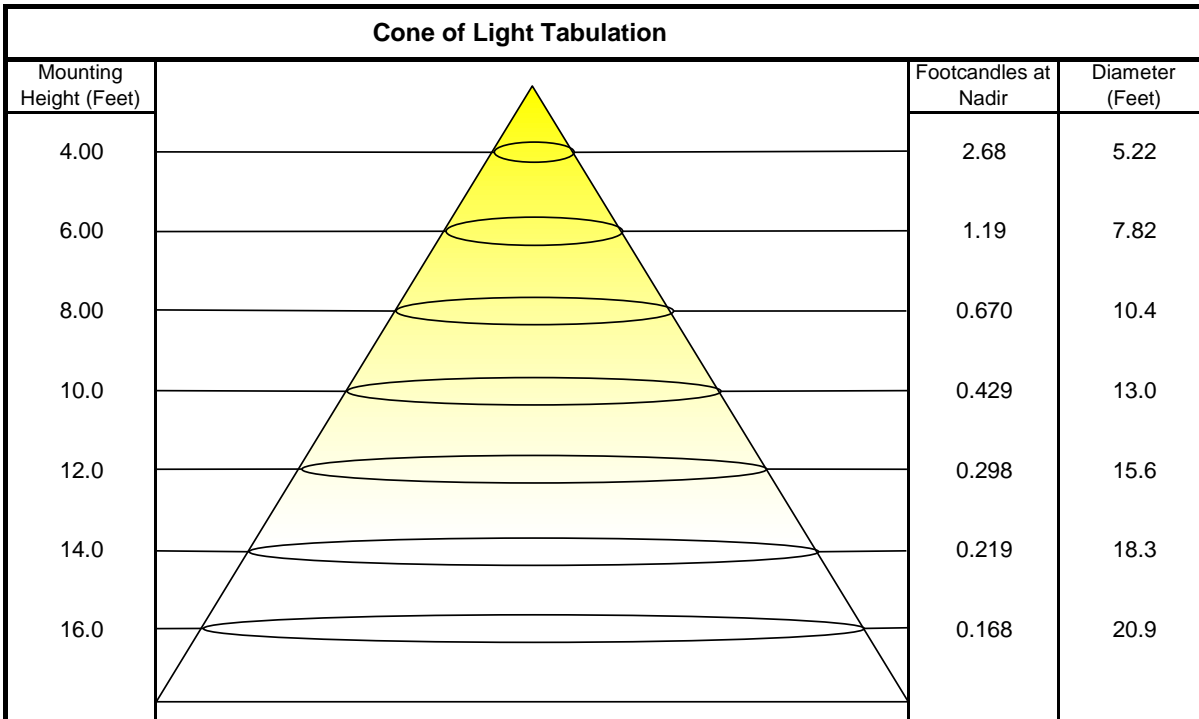


### Coefficients of Utilization - Zonal Cavity Method

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 percent of total lumen output delivered to the task surface **																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	104	99	96	105	101	97	94	96	93	90	92	89	87	88	86	84	81
2	98	90	84	78	96	88	82	77	84	79	74	80	76	72	77	73	70	68
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	60	57
4	82	70	61	55	80	69	61	54	66	59	53	63	57	52	61	55	51	49
5	75	63	54	47	73	61	53	47	59	52	46	57	50	45	54	49	44	42
6	70	56	47	41	67	55	47	41	53	46	40	51	45	39	49	43	39	37
7	64	51	42	36	63	50	42	36	48	41	35	46	40	35	45	39	34	32
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	41	35	31	29
9	56	43	34	29	54	42	34	29	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23

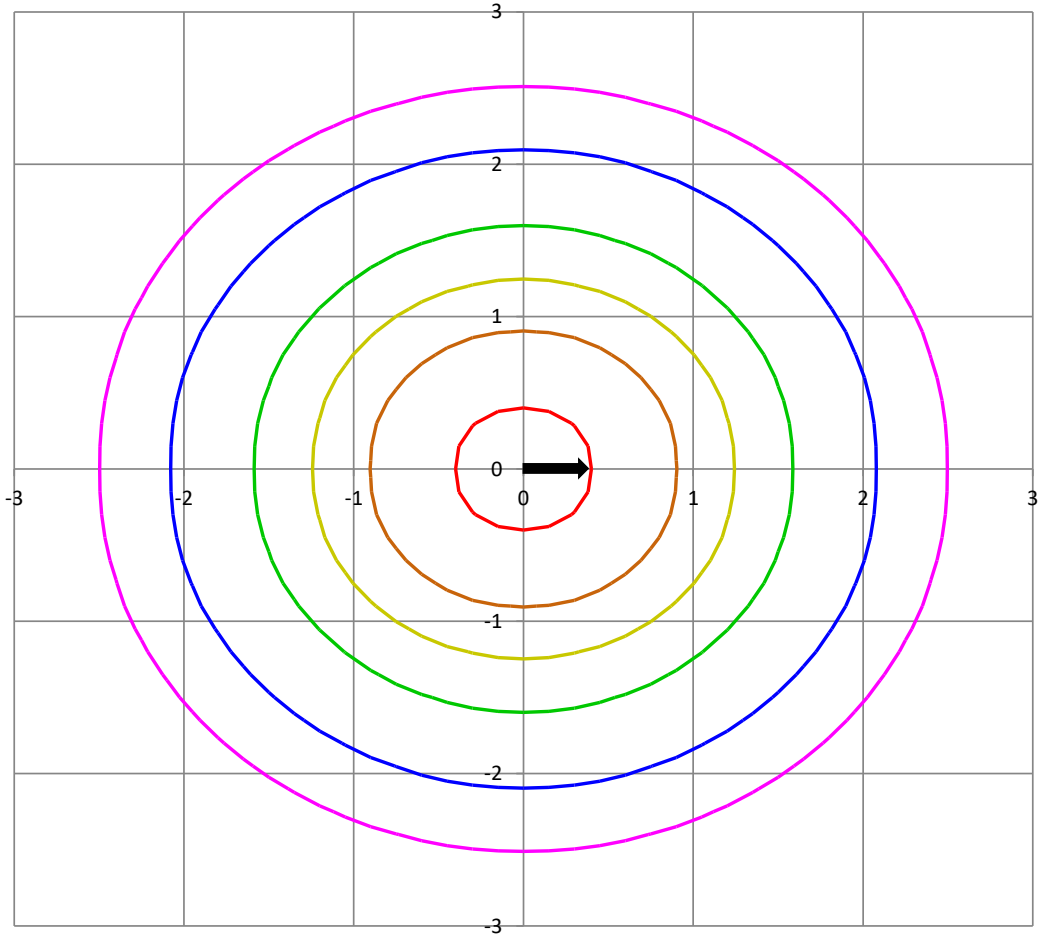
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	42.88 Candela
Central Cone Intensity:	43 Candela
Beam Flux:	96.4 Lumens
Beam Angle (0-180):	114.0 Degrees
Beam Angle (90-270):	115.0 Degrees
Field Angle (0-180):	156.8 Degrees
Field Angle (90-270):	157.9 Degrees



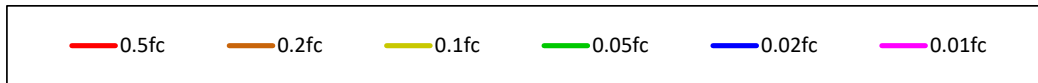


### ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height





# ANSI/IES TM-30-18 Color Rendition Report

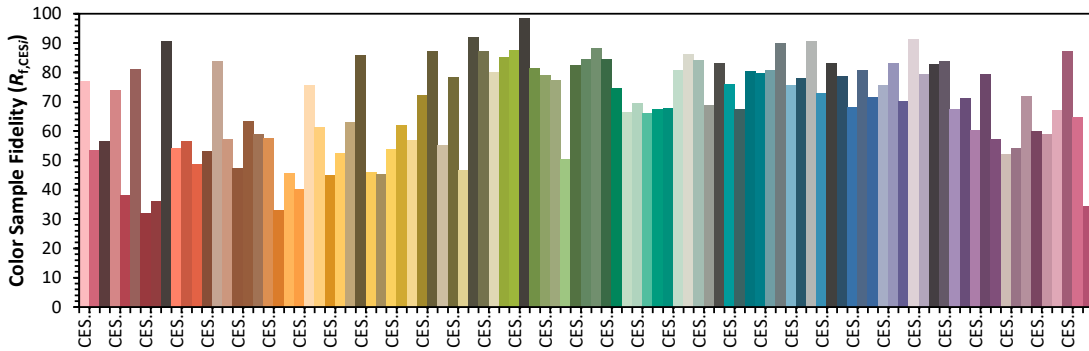
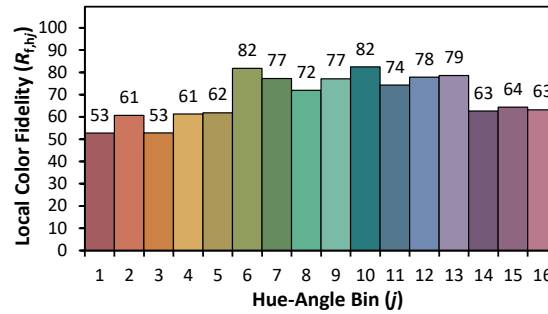
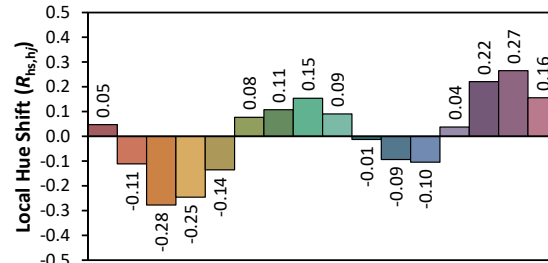
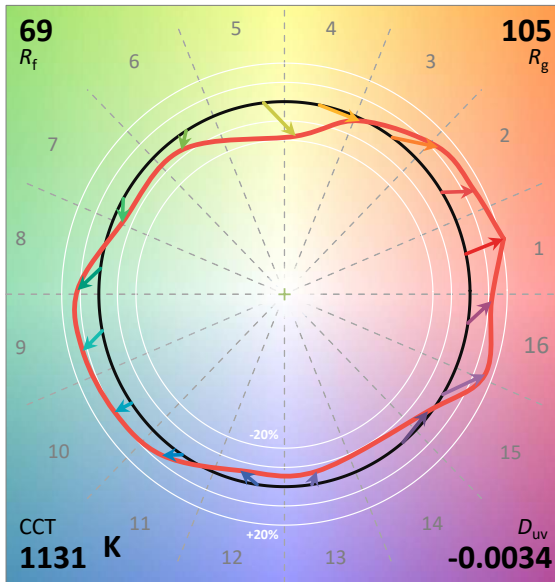
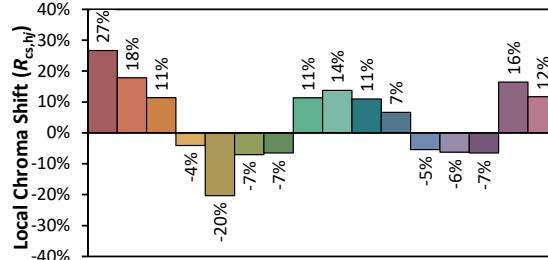
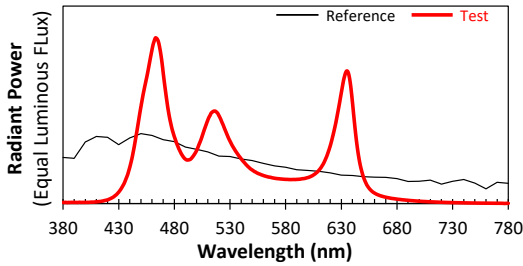
Date: 2022-08-08

Manufacturer:

SIRS Electronics Inc

Model:

DMX-5RGBWN-326X (All On)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

$x$  0.2766  
 $y$  0.2771  
 $u'$  0.1917  
 $v'$  0.4321

CIE 13.3-1995 (CRI)	
$R_a$	61
$R_g$	-123

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.