

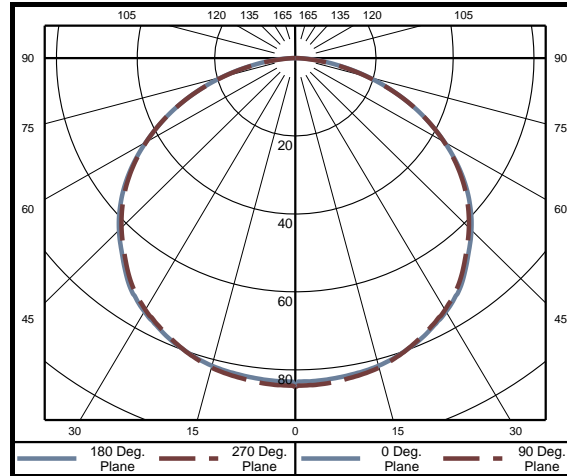


SIRS Electronics Inc
Catalog Number
ACUHUE-12CV590-4016 - ALL COLORS



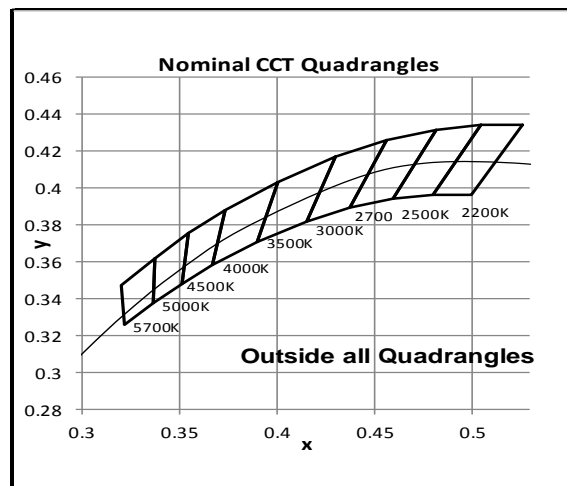
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.1 °C	11.98 VDC	0.6840 A	8.197 W	N/A	N/A	N/A

Summary of Results	
Total Lumen Output	266.3 Lumens
Luminaire Efficacy	32.2 lm/w
Maximum Candela	85 Candela
CCT	22000 K
CRI	54.8
Duv	0.0042
TM-30 Rf	0.0
TM-30 Rg	0.0



Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	84	
5	84	8
10	84	
15	83	23
20	81	
25	79	36
30	76	
35	73	45
40	68	
45	63	49
50	58	
55	52	46
60	44	
65	37	36
70	28	
75	20	21
80	11	
85	4	5
90	0	

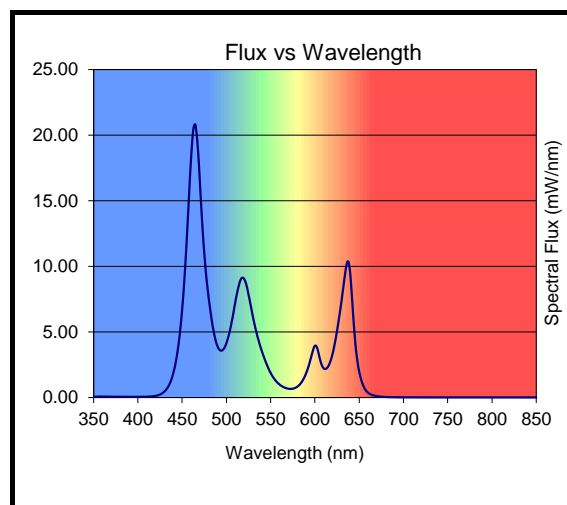
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	68	25.0%
0-40	113	41.8%
0-60	208	76.9%
0-90	271	100.0%
40-90	157	58.2%
60-90	62	23.1%
90-180	0	0.0%
0-180	271	100.0%



Spacing Criteria	
0-180	1.33
90-270	1.33

Color Rendering Index Details	
Ra (CRI)	54.8
R1	42.5
R2	57.1
R3	68.6
R4	60.4
R5	59.5
R6	55.7
R7	63.3
R8	31.2
R9	-130.5
R10	-2.5
R11	54.2
R12	57.9
R13	40.5
R14	79.4

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	20130
45	21130
55	21120
65	20190
75	17790
85	13090



Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	5.28	5.36
6.00	2.34	8.05
8.00	1.32	10.7
10.0	0.844	13.4
12.0	0.586	16.1
14.0	0.431	18.8
16.0	0.330	21.5

Chromaticity Coordinates	
Chromaticity (x)	0.2451
Chromaticity (y)	0.2498
Chromaticity (u)	0.1780
Chromaticity (v)	0.2721
Chromaticity (u')	0.1780
Chromaticity (v')	0.4082
Duv	0.0042

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #11714176.09



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



Integrating Sphere Test Report

Relevant Standards

IES LM-79-2008, ANSI C82.77-2002, 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

ACUHUE-12CV590-4016 - RED

Order Number

11714176

Test Number

11714176.05

Test Date

2017-04-12

Prepared By

Kevin Rodriguez, Technician

Approved By

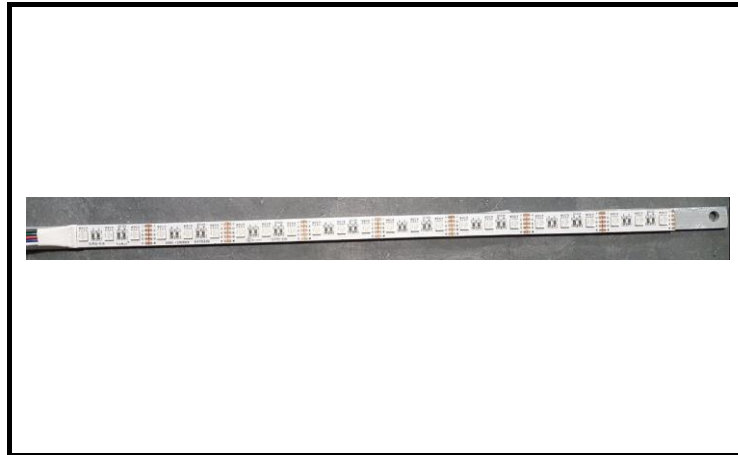
Justin Benner, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
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.



Luminaire Description: Formed aluminum backing plate, LED strip with no lens enclosure - 1' length (304.8mm)
Lamp: 24 RGB LEDs
Mounting: Surface – Ceiling
Ballast/Driver: None

Luminaire



Summary of Results

Radiant Flux:	296.4 mW
Luminous Flux:	60.5 lm
Luminaire Efficacy:	30.4 lm/W
Chromaticity (x):	0.6927
Chromaticity (y):	0.3063
Chromaticity (u):	0.5238
Chromaticity (v):	0.3474
Duv:	0.0063

Test Conditions

Test Temperature:	25.0 °C
Voltage:	11.99 VDC
Current:	0.1659 A
Power:	1.989 W

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



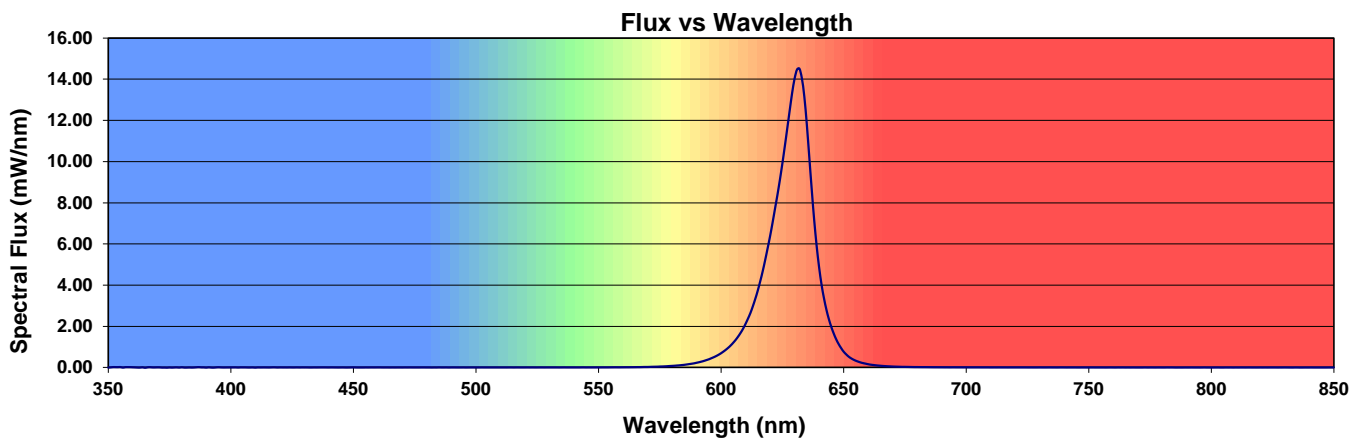
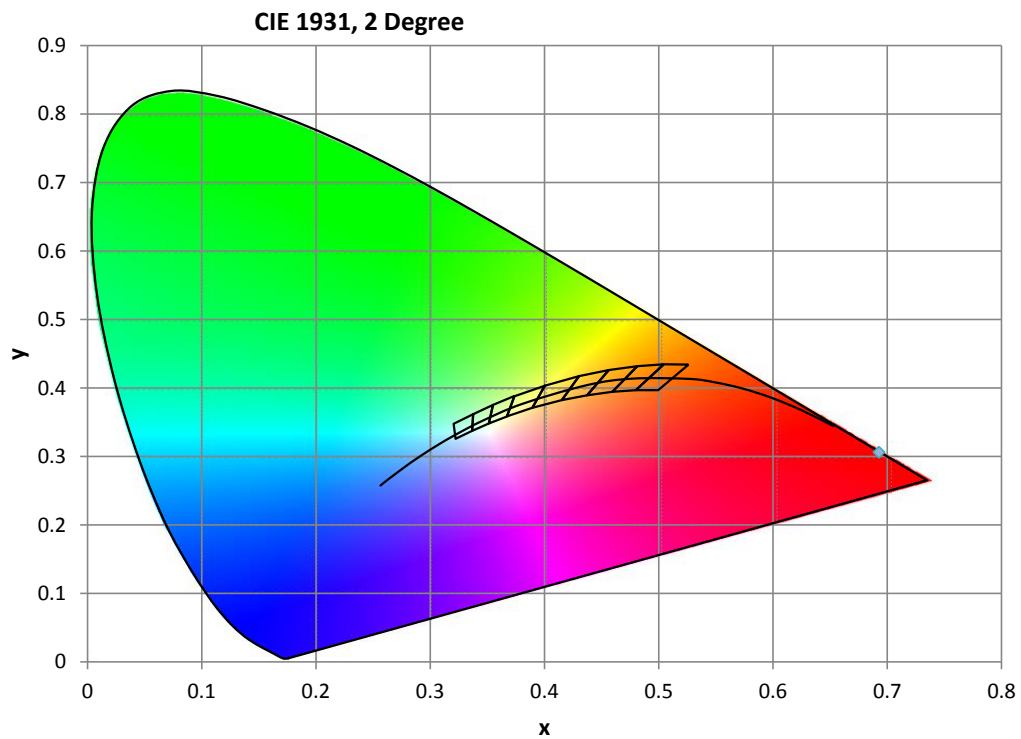
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	11.99 VDC	0.1659 A	1.989 W	N/A	N/A	N/A

Summary of Results

Total Output:	61 Lumens	Chromaticity (x):	0.6927
Efficacy:	30.4 lm/w	Chromaticity (y):	0.3063
CCT:	1000 K	Chromaticity (u'):	0.5238
Peak Wavelength:	631.5 nm	Chromaticity (v'):	0.5211
Dominant Wavelength:	621.1 nm	Duv:	0.0063
S/P Ratio:	0.061		





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



Integrating Sphere Test Report

Relevant Standards

IES LM-79-2008, ANSI C82.77-2002, 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

ACUHUE-12CV590-4016 - GREEN

Order Number

11714176

Test Number

11714176.06

Test Date

2017-04-12

Prepared By

Kevin Rodriguez, Technician

Approved By

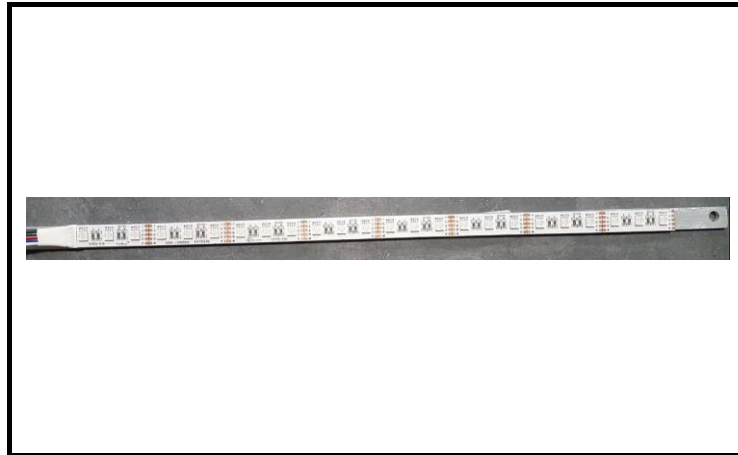
Justin Benner, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
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.



Luminaire Description: Formed aluminum backing plate, LED strip with no lens enclosure - 1' length (304.8mm)
Lamp: 24 RGB LEDs
Mounting: Surface – Ceiling
Ballast/Driver: None

Luminaire



Summary of Results

Radiant Flux:	354 mW
Luminous Flux:	161.1 lm
Luminaire Efficacy:	87.3 lm/W
Chromaticity (x):	0.1419
Chromaticity (y):	0.7237
Chromaticity (u):	0.0498
Chromaticity (v):	0.3809
Duv:	0.1643

Test Conditions

Test Temperature:	25.6 °C
Voltage:	12.01 VDC
Current:	0.1538 A
Power:	1.846 W

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



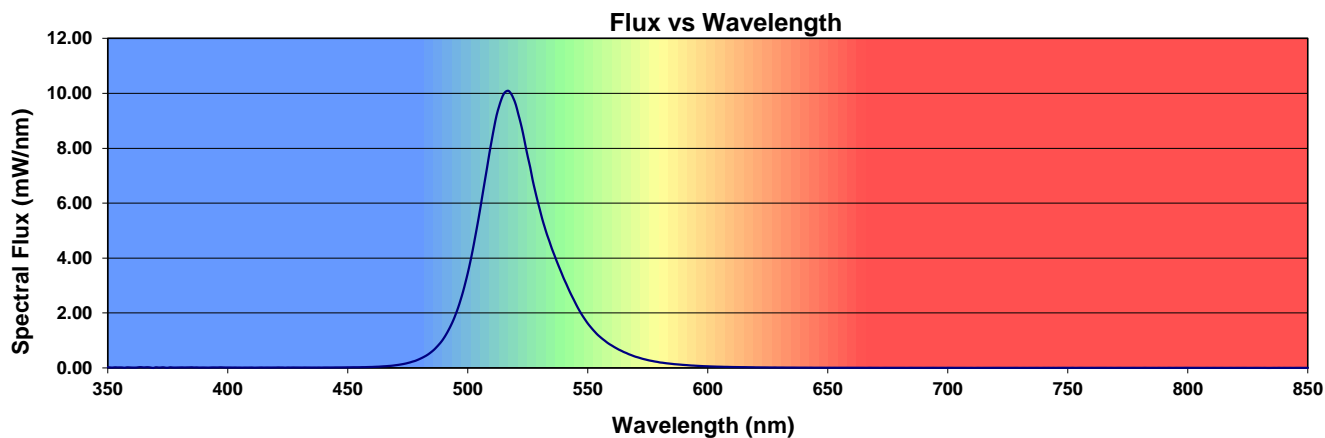
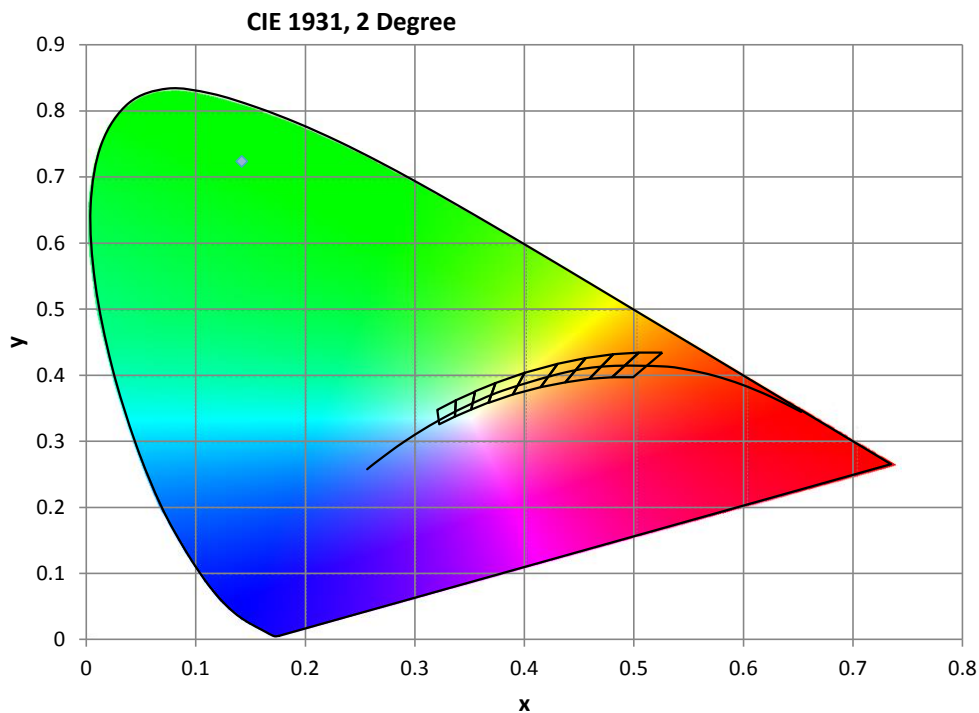
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.6 °C	12.01 VDC	0.1538 A	1.846 W	N/A	N/A	N/A

Summary of Results

Total Output:	161 Lumens	Chromaticity (x):	0.1419
Efficacy:	87.3 lm/w	Chromaticity (y):	0.7237
Peak Wavelength:	516.5 nm	Chromaticity (u'):	0.0498
Dominant Wavelength:	521.8 nm	Chromaticity (v'):	0.5713
S/P Ratio:	3.16	Duv:	0.1643





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



Integrating Sphere Test Report

Relevant Standards

IES LM-79-2008, ANSI C82.77-2002, 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

ACUHUE-12CV590-4016 - BLUE

Order Number

11714176

Test Number

11714176.07

Test Date

2017-04-12

Prepared By

Kevin Rodriguez, Technician

Approved By

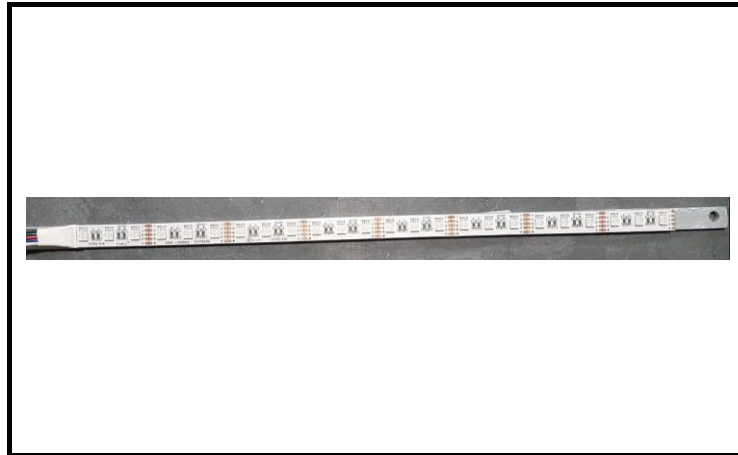
Justin Benner, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
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.



Luminaire Description: Formed aluminum backing plate, LED strip with no lens enclosure - 1' length (304.8mm)
Lamp: 24 RGB LEDs
Mounting: Surface – Ceiling
Ballast/Driver: None

Luminaire



Summary of Results

Radiant Flux:	572.5 mW
Luminous Flux:	34.36 lm
Luminaire Efficacy:	17.0 lm/W
Chromaticity (x):	0.1375
Chromaticity (y):	0.0509
Chromaticity (u):	0.1649
Chromaticity (v):	0.0916
Duv:	0.0342

Test Conditions

Test Temperature:	25.1 °C
Voltage:	12.00 VDC
Current:	0.1683 A
Power:	2.021 W

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

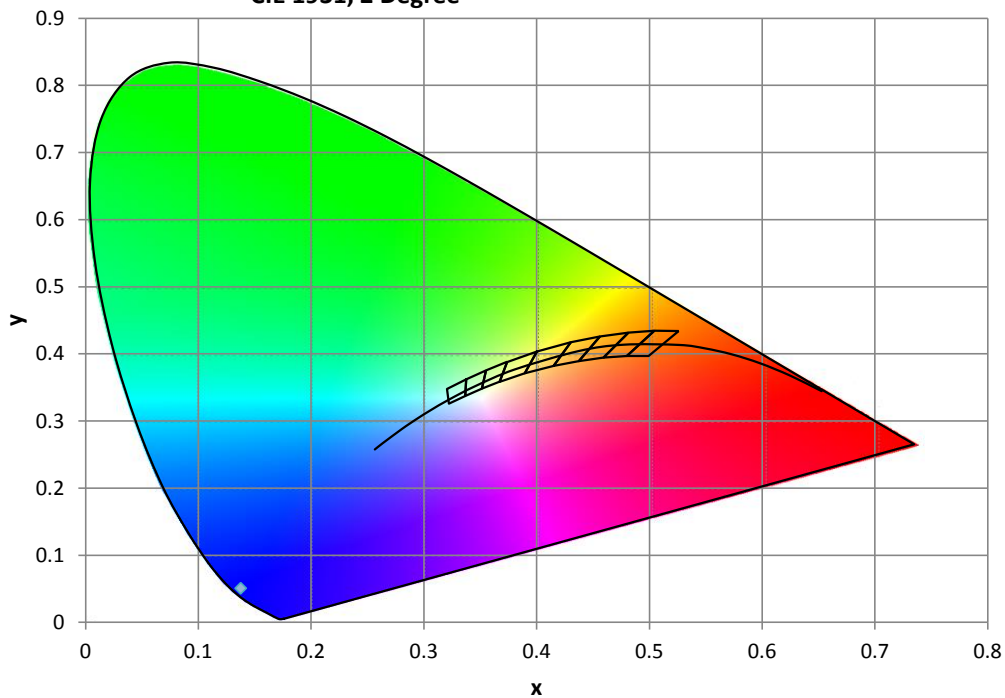
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	12.00 VDC	0.1683 A	2.021 W	N/A	N/A	N/A

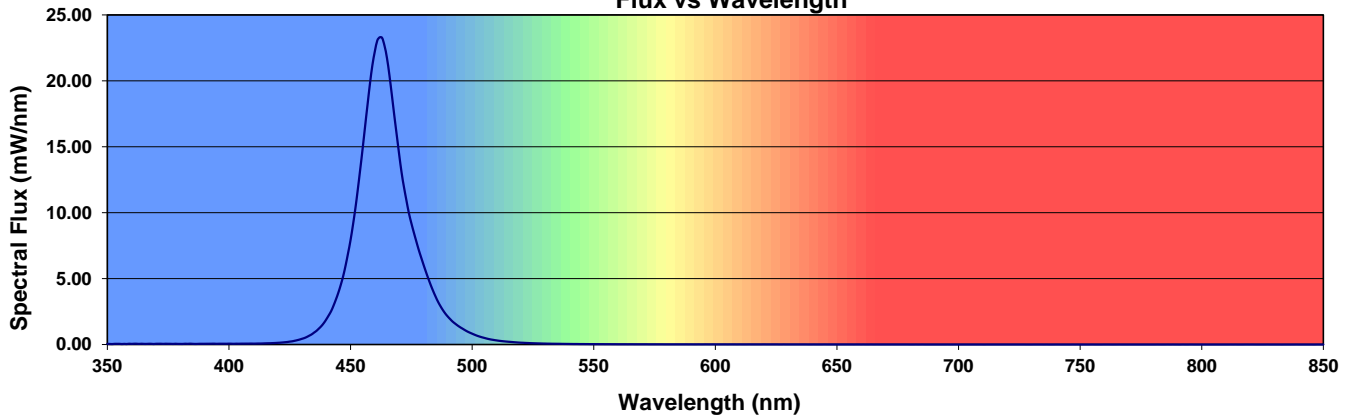
Summary of Results

Total Output:	34 Lumens	Chromaticity (x):	0.1375
Efficacy:	17.0 lm/w	Chromaticity (y):	0.0509
Peak Wavelength:	462.2 nm	Chromaticity (u'):	0.1649
Dominant Wavelength:	466.4 nm	Chromaticity (v'):	0.1374
S/P Ratio:	17.24	Duv:	0.0342

CIE 1931, 2 Degree



Flux vs Wavelength





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



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002, 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
ACUHUE-12CV590-4016 - WHITE

Order Number
11714176
Test Number
11714176.08

Test Date

2017-04-13

Prepared By

Kevin Rodriguez, Technician

Approved By

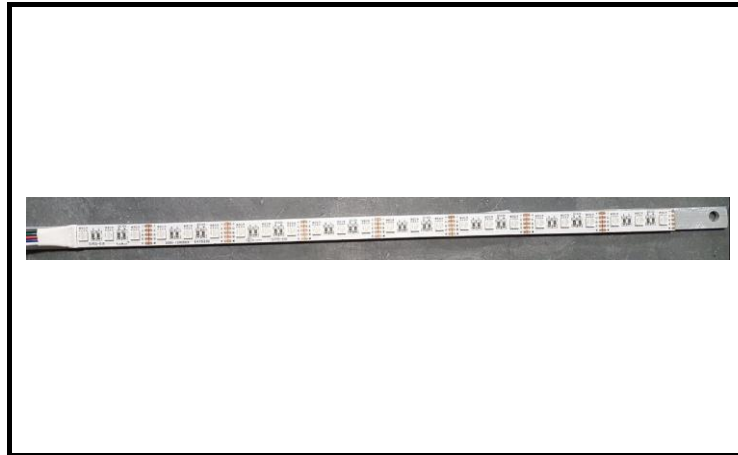
Justin Benner, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
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.



Luminaire Description: Formed aluminum backing plate, LED strip with no lens enclosure - 1' length (304.8mm)
Lamp: 24 RGB LEDs
Mounting: Surface – Ceiling
Ballast/Driver: None

Luminaire



Summary of Results

Radiant Flux:	119.2 mW
Luminous Flux:	58.05 lm
Luminaire Efficacy:	27.6 lm/W
CCT:	1610 K
CRI (Ra):	-26.5
Chromaticity (x):	0.5846
Chromaticity (y):	0.4142
Chromaticity (u):	0.3438
Chromaticity (v):	0.3654
Duv:	0.0048

Test Conditions

Test Temperature:	24.4 °C
Voltage:	11.99 VDC
Current:	0.1753 A
Power:	2.102 W

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



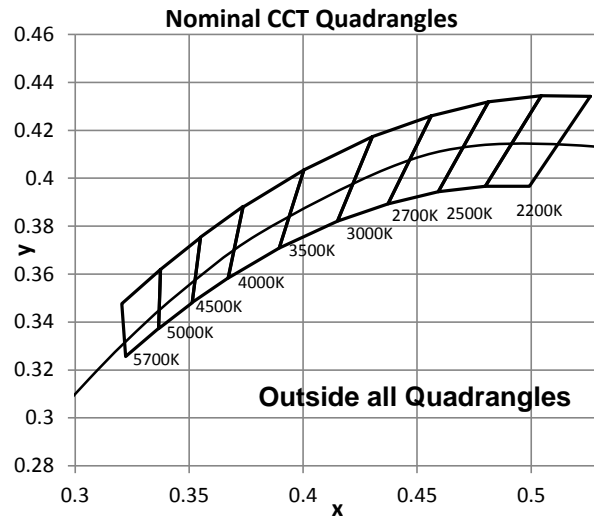
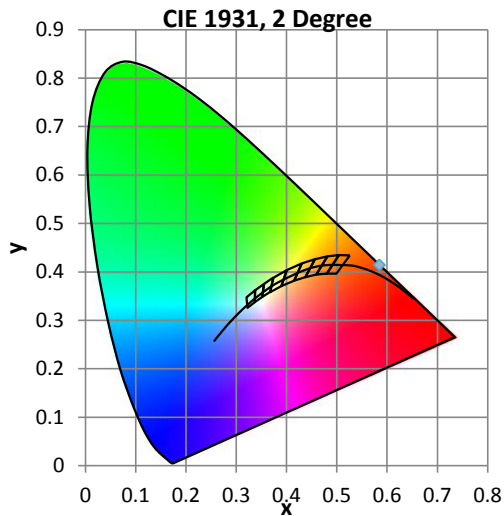
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	11.99 VDC	0.1753 A	2.102 W	N/A	N/A	N/A

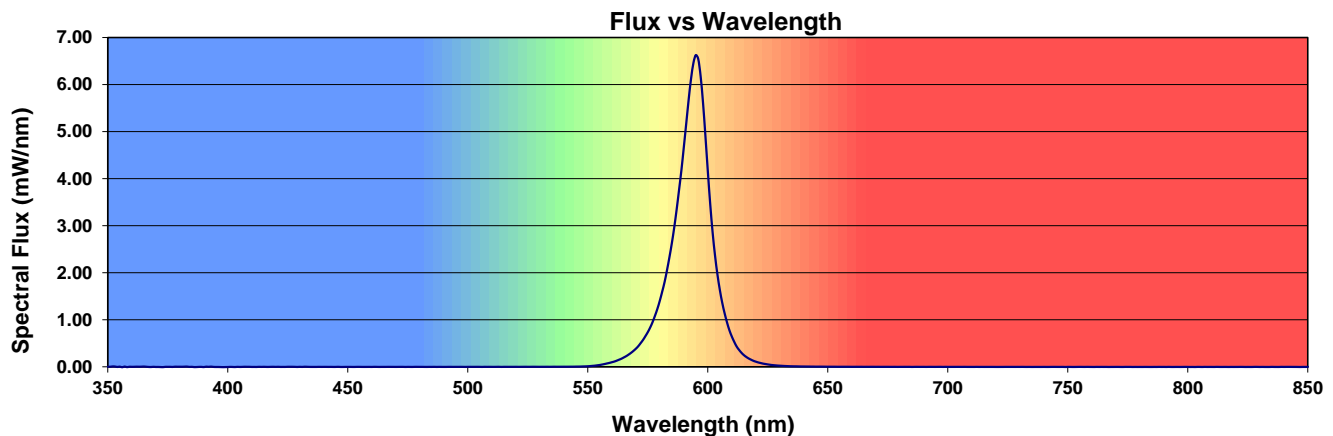
Summary of Results

Total Output:	58 Lumens	Chromaticity (x):	0.5846
Efficacy:	27.6 lm/w	Chromaticity (y):	0.4142
CCT:	1610 K	Chromaticity (u'):	0.3438
CRI (Ra):	-26.5	Chromaticity (v'):	0.5481
CRI (R9):	-409.9	TM-30 R_f:	
Peak Wavelength:	595.1 nm	TM-30 R_g:	
Dominant Wavelength:	591.7 nm	Duv:	0.0048
S/P Ratio:	0.228		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
-26.5	-41.4	49.9	14.3	-75.6	-46.5	37.9	-9.7	-141.0	-409.9	26.4	-104.3	-13.4	-21.4	43.5





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
ACUHUE-12CV590-4016 - ALL COLORS

Order Number
11714176
Test Number
11714176.09

Test Date

2017-04-11 - 2017-04-19

Prepared By

Kevin Rodriguez, Technician

Approved By

Justin Benner, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
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.



Table of Contents

Summary of Results	Page 3
Integrating Sphere Results	Page 4
Distribution Results	
Conditions / Summary of Results / Polar Plot / Zonal Lumens	Page 5
Candela Tabulation / Average Luminance	Page 6
Coefficients of Utilization / Cone of Light	Page 7
ISOFootcandle Plot	Page 8

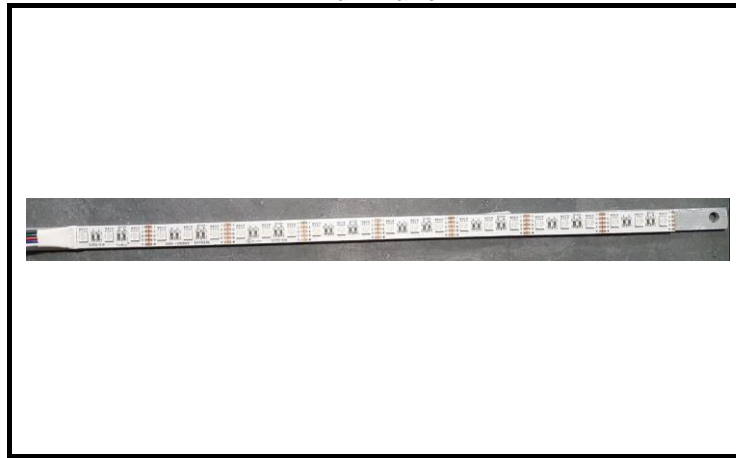
Laboratory results may not be representative of field performance
Ballast factors have not been applied

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



Luminaire Description: Formed aluminum backing plate, LED strip with no lens enclosure (304.8mm)
Lamp: 24 RGB LEDs
Mounting: Surface – Ceiling
Ballast/Driver: None

Luminaire



Luminaire Characteristics

Luminous Length: 13.00 in.
Luminous Width: 0.5000 in.

Summary of Results

Integrating Sphere

Luminous Flux: 266 Lumens
Efficacy: 32.2 lm/w
CCT: 22000 K
CRI (Ra): 54.8

Distribution

Total Luminaire Output: 270.6 Lumens
Luminaire Efficacy: 33 lm/w
Maximum Candela: 85 Candela

Electrical Data at 12 VDC

Test Temperature: 24.4 °C
Voltage: 11.98 VDC
Current: 0.6908 A
Power: 8.280 W



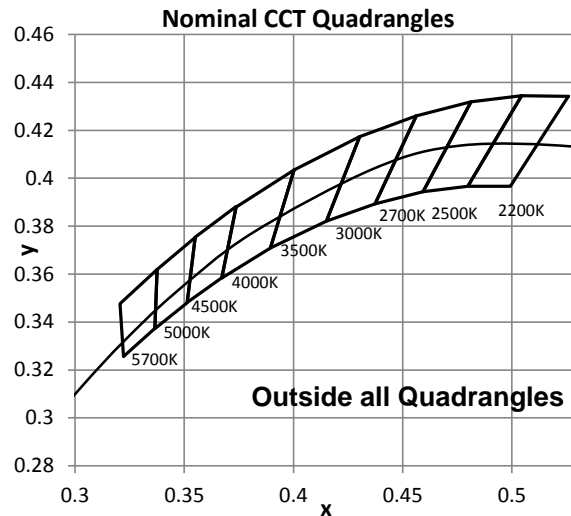
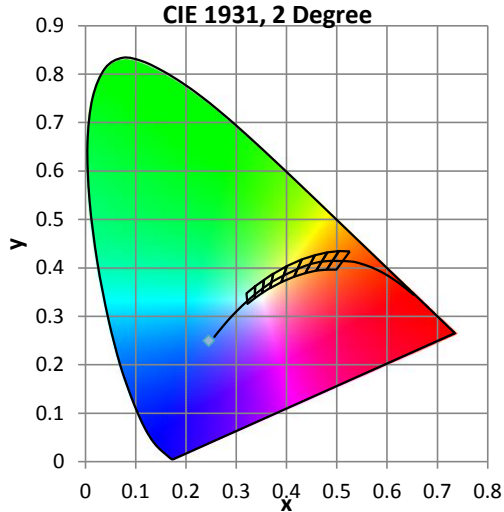
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	11.98 VDC	0.6908 A	8.280 W	N/A	N/A	N/A

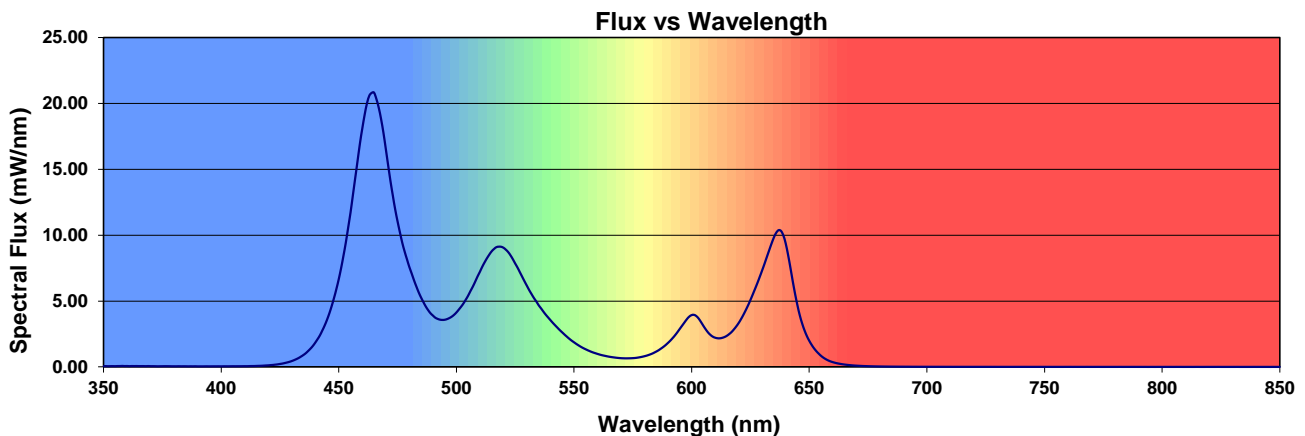
Summary of Results

Total Output:	266 Lumens	Chromaticity (x):	0.2451
Efficacy:	32.2 lm/w	Chromaticity (y):	0.2498
CCT:	22000 K	Chromaticity (u'):	0.1780
CRI (Ra):	54.8	Chromaticity (v'):	0.4082
CRI (R9):	-130.5	TM-30 R_f:	
Peak Wavelength:	464.3 nm	TM-30 R_g:	
Dominant Wavelength:	478 nm	Duv:	0.0042
S/P Ratio:	4.059		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
54.8	42.5	57.1	68.6	60.4	59.5	55.7	63.3	31.2	-130.5	-2.5	54.2	57.9	40.5	79.4





Distribution - Goniophotometer

Distribution Test Conditions

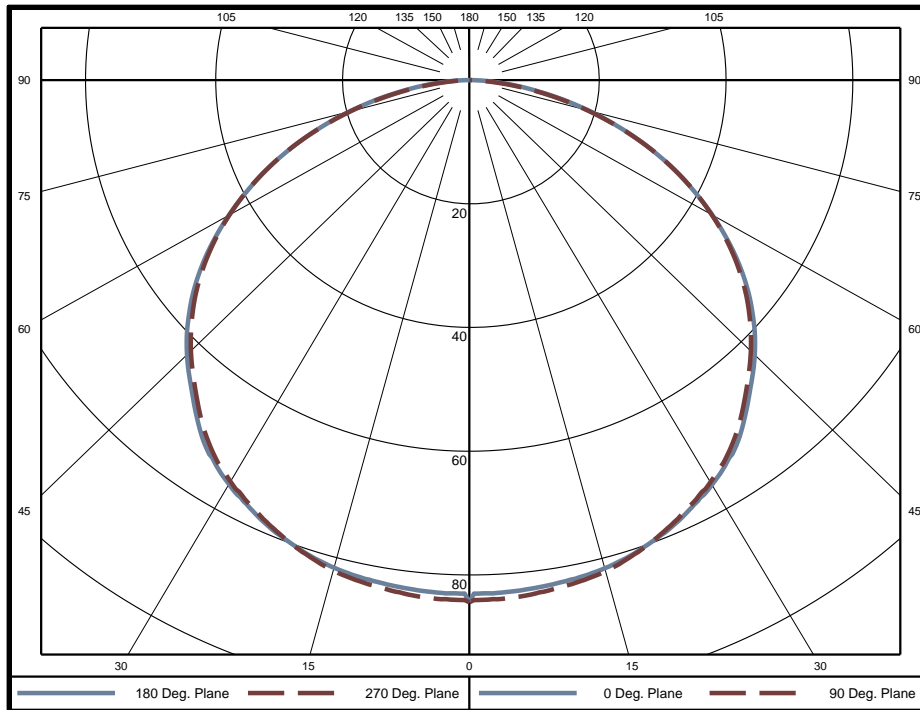
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.1 °C	11.98 VDC	0.6840 A	8.197 W	N/A	N/A	N/A

Summary of Results

Spacing Criteria
 0-180: 1.33
 90-270: 1.33

Total Lumen Output: 270.6 Lumens
Luminaire Efficacy: 33.0 lm/w
Maximum Candela: 85 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	2.02	0.7%	60-65	19.73	7.3%	120-125	0	0.0%
5-10	6.01	2.2%	65-70	16.46	6.1%	125-130	0	0.0%
10-15	9.87	3.6%	70-75	12.53	4.6%	130-135	0	0.0%
15-20	13.50	5.0%	75-80	8.29	3.1%	135-140	0	0.0%
20-25	16.76	6.2%	80-85	4.24	1.6%	140-145	0	0.0%
25-30	19.59	7.2%	85-90	1.15	0.4%	145-150	0	0.0%
30-35	21.93	8.1%	90-95	0	0.0%	150-155	0	0.0%
35-40	23.52	8.7%	95-100	0	0.0%	155-160	0	0.0%
40-45	24.34	9.0%	100-105	0	0.0%	160-165	0	0.0%
45-50	24.55	9.1%	105-110	0	0.0%	165-170	0	0.0%
50-55	23.91	8.8%	110-115	0	0.0%	170-175	0	0.0%
55-60	22.27	8.2%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	113	41.8%
0-60	208	77.0%
0-90	271	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	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41	84.41
5	82.90	84.11	84.87	84.54	83.89	84.54	84.87	84.11	82.90	84.11	84.87	84.54	83.89	84.54	84.87	84.11
10	82.40	83.65	84.28	83.88	83.18	83.88	84.28	83.65	82.40	83.65	84.28	83.88	83.18	83.88	84.28	83.65
15	81.65	82.86	83.34	82.86	82.10	82.86	83.34	82.86	81.65	82.86	83.34	82.86	82.10	82.86	83.34	82.86
20	80.12	81.25	81.60	81.03	80.22	81.03	81.60	81.25	80.12	81.25	81.60	81.03	80.22	81.03	81.60	81.25
25	78.05	79.14	79.37	78.60	77.68	78.60	79.37	79.14	78.05	79.14	79.37	78.60	77.68	78.60	79.37	79.14
30	75.44	76.57	76.67	75.72	74.97	75.72	76.67	76.57	75.44	76.57	76.67	75.72	74.97	75.72	76.67	76.57
35	72.20	73.46	73.57	72.46	71.41	72.46	73.57	73.46	72.20	73.46	73.57	72.46	71.41	72.46	73.57	73.46
40	67.39	68.88	68.88	67.67	66.66	67.67	68.88	68.88	67.39	68.88	68.88	67.67	66.66	67.67	68.88	68.88
45	62.66	64.21	64.15	62.94	61.82	62.94	64.21	64.15	62.66	64.21	64.15	62.94	61.82	62.94	64.15	64.21
50	57.20	58.84	58.89	57.67	56.48	57.67	58.89	58.84	57.20	58.84	58.89	57.67	56.48	57.67	58.89	58.84
55	50.81	52.39	52.63	51.47	50.35	51.47	52.63	52.39	50.81	52.39	52.63	51.47	50.35	51.47	52.63	52.39
60	43.49	44.95	45.26	44.29	43.43	44.29	45.26	44.95	43.49	44.95	45.26	44.29	43.43	44.29	45.26	44.95
65	35.79	36.95	37.32	36.52	35.87	36.52	37.32	36.95	35.79	36.95	37.32	36.52	35.87	36.52	37.32	36.95
70	27.65	28.57	28.81	28.14	27.64	28.14	28.81	28.57	27.65	28.57	28.81	28.14	27.64	28.14	28.81	28.57
75	19.31	19.94	20.08	19.45	19.10	19.45	20.08	19.94	19.31	19.94	20.08	19.45	19.10	19.45	20.08	19.94
80	11.32	11.66	11.79	11.25	10.86	11.25	11.79	11.66	11.32	11.66	11.79	11.25	10.86	11.25	11.79	11.66
85	4.78	4.80	4.60	4.21	3.79	4.21	4.60	4.80	4.78	4.80	4.60	4.21	3.79	4.21	4.60	4.80
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

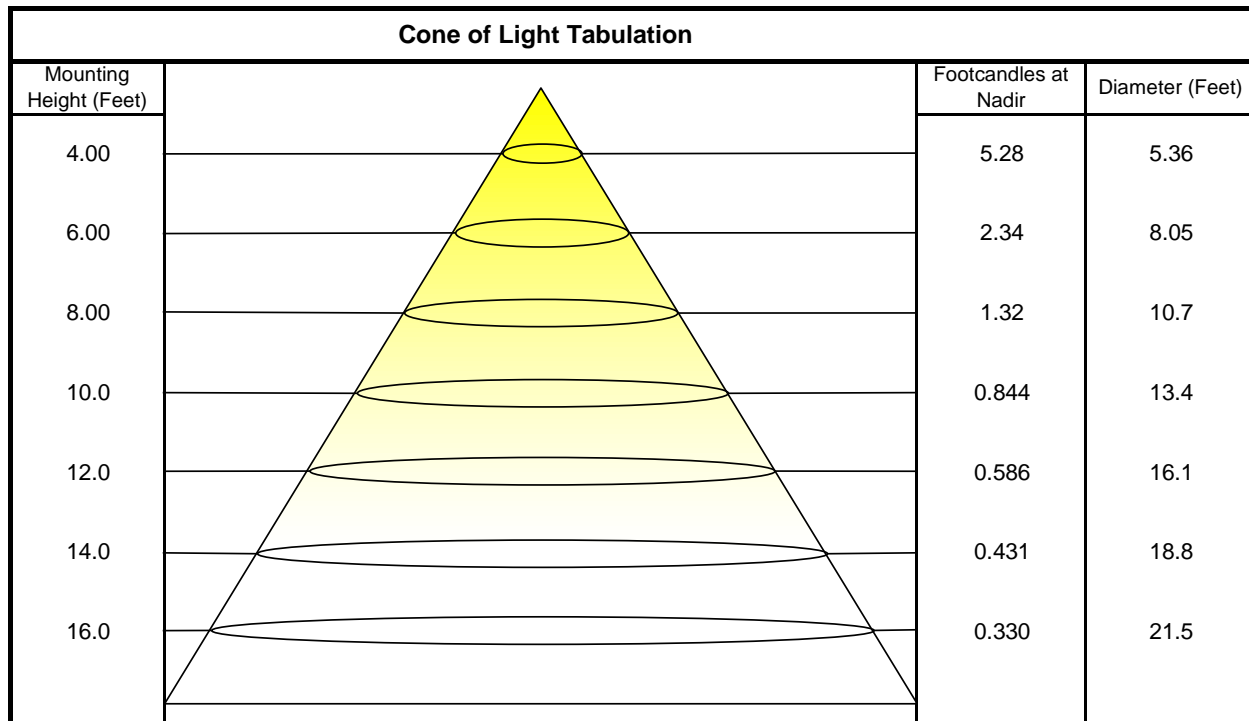
	0	45	90
0	20130	20130	20130
45	21130	21640	20850
55	21120	21880	20930
65	20190	21060	20240
75	17790	18500	17600
85	13090	12570	10380



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	322	322	322	322	315	315	315	315	301	301	301	288	288	288	276	276	276	271
1	293	280	268	257	286	274	263	253	262	253	245	251	244	237	242	236	230	224
2	266	242	223	207	258	237	220	205	228	213	200	219	206	195	210	200	191	185
3	241	212	189	171	234	207	186	169	199	181	166	192	176	163	185	171	160	154
4	220	187	162	143	214	183	160	142	176	156	140	170	152	138	164	149	136	130
5	202	166	141	123	196	163	140	122	157	136	120	152	133	119	147	131	118	112
6	186	149	124	106	181	146	123	106	141	121	105	137	118	104	133	116	103	97
7	172	135	110	93	167	133	109	93	128	107	92	124	106	92	121	104	91	85
8	160	123	99	83	156	121	98	83	117	97	82	114	95	82	110	94	81	76
9	149	112	90	74	146	111	89	74	108	88	74	105	86	73	102	85	73	68
10	140	103	82	67	136	102	81	67	99	80	67	97	79	66	94	78	66	61

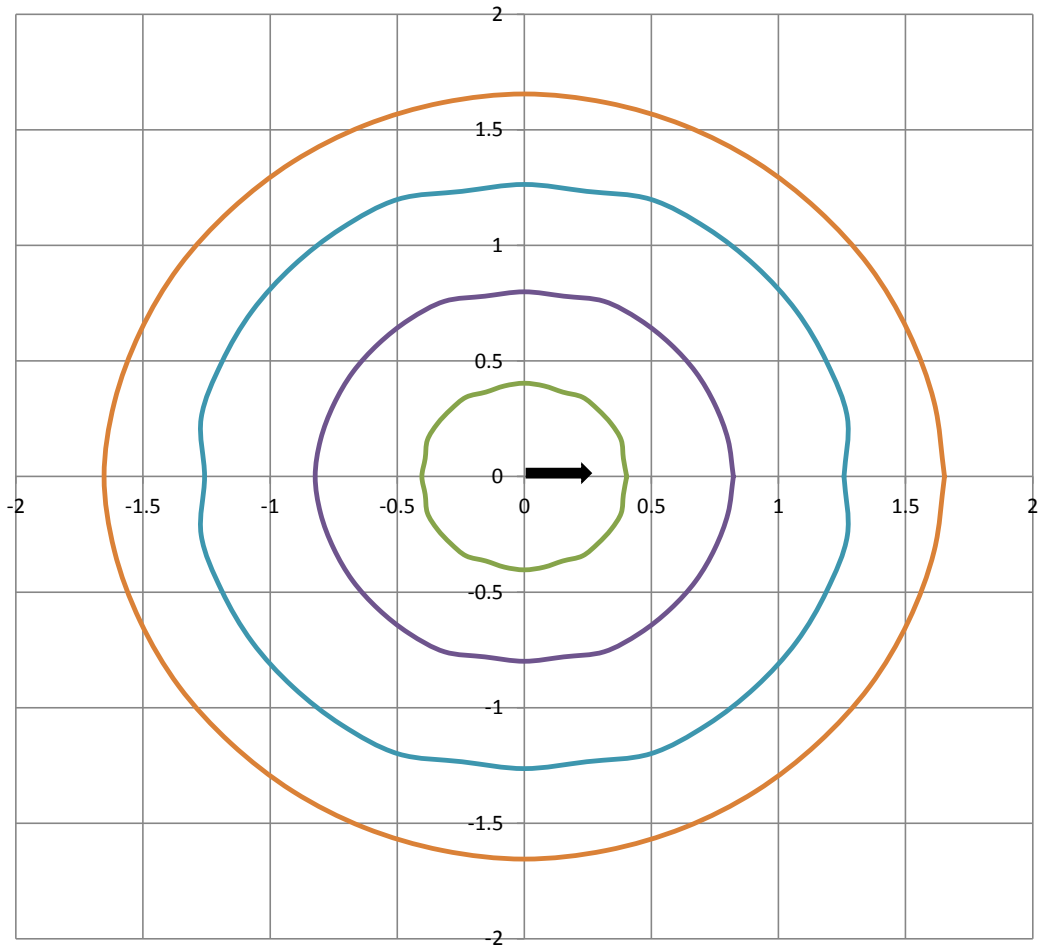
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	84.41 Candela
Central Cone Intensity:	84 Candela
Beam Flux:	214.4 Lumens
Beam Angle (0-180):	121.7 Degrees
Beam Angle (90-270):	121.7 Degrees
Field Angle (0-180):	164.2 Degrees
Field Angle (90-270):	163.2 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

