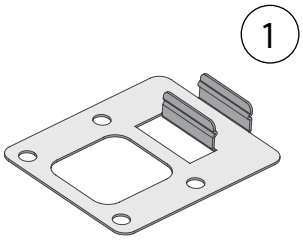
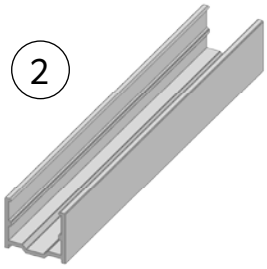
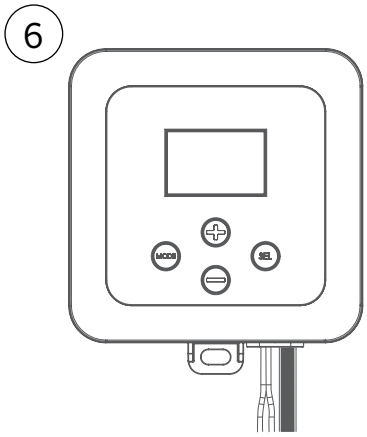
Replacement Parts

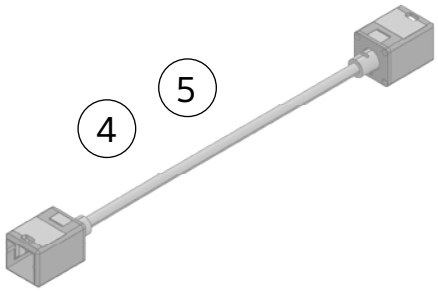
ITEM	DESCRIPTION	CATALOG #
1	Strip Light, Hardscape Mount	SRPMNT
2	Strip Light, Channel Mount	SRPCHN
3	Strip Light, Cutter Tool	SRPCUT
4	Strip Light, Accessory Pack	SRPCONNECT
5	RGBW strip light connectors	SRP-RGBW-CONNECT
6	SRP RGBW color controller	SRP-CC













SRP RGBW Strip Light

STANDARD PREMIUM

KEY BENEFITS

Robust and Versatile Strip Lighting

Silicone-encased LEDs deliver a soft, diffused light distribution for top performance in a range of applications.

Quick and Secure IP65 Connections

It's easy to make all needed connections during installation — with no heat shrink or adhesive required!



Flexible Control with Beautiful Colors

The SRP-CC Strip Light Color Controller enables RGBW control with vibrant colors. Use the SRP RGBW Strip Light with any low-voltage lighting transformer, including the EX and PX Transformers and DX and Luxor® Controllers from FX Luminaire.



Luxor DX EX

fxl.com/**SRP**

FXLuminaire®

WHEN **CONTROLLING**

Challenge: Most RGBW strip lights require an external color control system such as DMX to provide complete color control. These systems are complex and not common in landscape lighting.

Solution: RGBW color control can easily be achieved by combining the SRP-CC with the Luxor Controller or any low-voltage lighting transformer. Set the hue, saturation, and intensity at the SRP-CC at the press of a button.

WHEN **POWERING**

Challenge: Most RGBW strip lights require an external 24 VDC power supply. This makes it difficult to integrate strip lights into a landscape lighting design since all landscape transformers supply 12 VAC.

Solution: The SRP-CC is powered using 12 VAC, allowing it to be used with any low-voltage landscape lighting transformer.



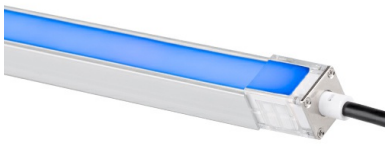
COLOR STRIP LIGHT COMPARISON

FEATURES	SRP RGBW Strip Light	Competitor 1	Competitor 2
Input Voltage	**12 VAC**	24 VDC	12 VAC
RGBW	**Yes**	No (RGB)	Yes
Controller Configuration	**EX, PX, DX, or Luxor + SRP-CC**	24 V transformer + RGB Controller	Remote + Transformer + Rectifier + Receiver
IP Rating	**IP65**	IP68	IP67
Connection Method	**Mechanical** (Heat Shrink Not Required)	Heat Shrink and Silicone Adhesive	Silicone Adhesive
Splice Connection Accessories	**Included** (Jumper, End Caps, Mounting Clips)	Sold Separately 15' (4.6 m)	Not Available
Power Feed	**10' (3 m) Included**	Sold Separately	6' (1.8 m) Included
Diffuser Accessories	**Built-in**	Sold Separately	Built-in

FXLuminaire

SRP RGBW Strip Light

STANDARD PREMIUM



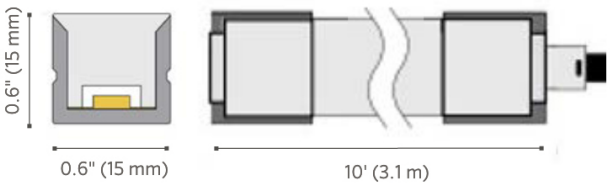
PROJECT

CATALOG #

TYPE

NOTES

The vibrant and versatile SRP RGBW Strip Light makes it easier than ever to illuminate stair ledges, outdoor patios, hardscape elements, and more.



Suggested Equivalents	HUE	SAT
Warm White (2700K)	43	38
Soft White (3000K)	35	21
Cool White (3900K)	180	0
Blue	240	0
Red	359	83
Green	143	96
Orange	17	96
Purple	301	91
Pastel Purple	285	100
Pastel Blue	204	93
Pastel Green	153	96
Pastel Pink	330	46

Quick Facts

- Total RBGW control; SRP-CC Strip Light Color Controller required
- Two convenient control options: Standalone or Luxor Mode
- Standalone Mode can be used with our EX, PX, and DX models as well as any standard low-voltage transformer, allowing
- Luxor Mode allows a Luxor Controller to assign a Group and set Hue, Saturation, and Intensity values

users to manually set Hue, Saturation, and values

- IP65 rating for top performance in tough outdoor conditions
- Extruded silicone body reduces hot spots, produces soft light distribution, and protects against harsh environments
- Each unit comes in 10' (3.1 m) lengths with 2" (51 mm) cutmarks for precision customization
- Comes with all necessary accessories, including solder- and adhesive-free splice connections that require no heat shrink, for seamless installation in any setting

Output

	SRP RGBW
Total Lumens	24.25 lm/ft
Input Voltage	10 to 15 V
Input Power	1.7 W/ft
VA	2.9 VA/ft
Efficacy (lm/W)	18.6
Color Rendering Index (CRI)	52
Center Beam Candlepower	--
Dimming	Yes; must use SRP-CC Color Controller
Primary Dimming (Transformer)	--
Secondary Dimming (Fixture)	--
RGBW Available	Yes; Must be used with SRP-CC Color Controller
Minimum Rated Life L90 B10 (Hrs)	50,000

*** For optimal performance, use a trailing-edge (reverse phase-cut) dimmer.**

FX Luminaire

FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials

Silicone

Finish

White

Hardware

Includes 3" (76 mm) and 6" (152 mm) jumpers, splice clamps, LED spacer, end connector, and mounting clips.

Wiring

20 AWG (0.8 mm); VW-1; 176°F (80°C); 300 V; 10' (3 m) length, prestripped

LED

Integrated

Power

Input 10 to 15 VAC/VDC, 50/60 Hz. Remote transformer required (specify separately). SRP-CC Color Controller is also required to power the SRP RGBW Strip Light.

Housing

Silicone

Weight

10' (3.1 m) = 2.3 lbs (1.04 kg)

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

Control

Compatible with the Luxor Controller, DX Controller, EX Transformer, and PX Transformer from FX Luminaire when installed with the SRP-CC Color Controller.

Warranty

5-year limited warranty

Listings

Fixture	Length	Color	Finish
SRP	**10** 10 ft (3.1 m)	**RGBW *** Color	
	20 20 ft (6.1 m)		

[ ] – [ ] – [ ]

EXAMPLE FIXTURE CONFIGURATION: *SRP*-XX-XXXX-XX

SRP RGBW Strip Light - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	**Foot-Candles (Lux)**	**Vertical : 115.7 °**	**Horizontal : 115.5 °**
10.0' (3.1 m)	2.9 fc (1.1 lx)	10.5' (3.2 m)	10.5' (3.2 m)
20.0' (6.1 m)	0.7 fc (0.3 lx)	21.3' (6.5 m)	21.2' (6.5 m)
3.3' (1.0 m)	0.3 fc (0.1 lx)	31.8' (9.7 m)	31.7' (9.7 m)
6.7' (2.0 m)	0.2 fc (0.1 lx)	42.3' (12.9 m)	42.2' (12.9 m)
13.3' (4.1 m)	0.1 fc (0 lx)	53.1' (16.2 m)	52.9' (16.1 m)
16.7' (5.1 m)	0.1 fc (0 lx)	63.6' (19.4 m)	63.6' (19.3 m)

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.	
Channel Mount, SRP - 3.3 ft. (1 m), Qty: 3	SRP-CHN	
Glare Shields, SRP	SRP-SHIELD	

Mounts	Catalog No.	
Hardscape Mount, SRP	SRP-MNT	

POWER OPTIONS: Specify Separately

Power	Catalog No.
SRP-CC Color Controller	SRP-CC 

Power	Catalog No.
5' Power Feeds, SRP-RGBW	SRP-RGBW-EXT

SPLICING OPTIONS: Specify Separately

Splicing	Catalog No.	
Splice Connectors, SRP-RGBW	SRP-CONNECT-RGBW	
End-to-End Connectors, SRP-RGBW	SRP-RGBW-JUMP	

Splicing	Catalog No.	
Cutter Tool, SRP RGBW	SRP-CUT	
	SRP-RGBW-T	



PROJECT

CATALOG #

TYPE

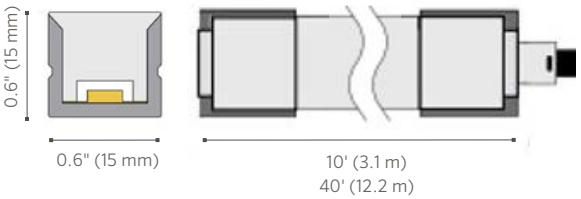
NOTES

SRP Strip Light **STANDARD** PLUS

Highly versatile white SRP Strip Lights are constructed with extruded silicone to provide superior protection against tough outdoor conditions. A full spectrum of accessories ensures easy installation in a variety of settings.

Quick Facts

- 12 VAC input voltage
- Handy 2" (51 mm) cut marks provide precision customization
- 2,700K and 3,000K color temperature options
- IP65 rating for reliable performance
- Designed for solder- and adhesive-free connections
- Compatible with the Luxor® Low-Voltage CUBE for zoning and dimming



SRP Strip Light SPECIFICATIONS

Output	SRP
Total Lumens†	28.7 lm/ft (94.6 lm/m)
Input Voltage	10 to 15 V
Input Power	0.6 W/ft (2.1 W/m)
VA	0.7 W/ft (2.2 W/m)
Efficacy (lm/W)	44.7
Color Rendering Index (CRI)	93
Center Beam Candlepower	408
Dimming	
Primary Dimming (Transformer)	Consult transformer specifications
Secondary Dimming (Fixture)	Phase-cut*
RGBW Available	No
Minimum Rated Life L90 B10 (Hrs)	50,000

** For optimal performance, use a trailing-edge (reverse phase-cut) dimmer.*

FX Luminaire
FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be used to create elegant landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials
Silicone

Lamp
Integrated

Wiring
20 AWG (0.8 mm); VW-1; 176°F (80°C); 300 V; 10' (3 m) length, prestripped

Power
Input 10 to 15 VAC/VDC, 50/60 Hz. Remote transformer required (specify separately).

Housing
Silicone

Finish
White

Hardware
Includes 3" (76 mm) and 6" (152 mm) jumpers, splice clamps, LED spacer, end connector, and mounting clips.

Ambient Operating Temperature
0°F to 140°F (-18°C to 60°C)

Weight
10' (3.1 m) = 2.3 lbs (1.04 kg)
40' (12.2 m) = 9.0 lbs (4.08 kg)

Control
Compatible with Luxor Controllers for zoning and dimming when used with a Luxor Low-Voltage CUBE Device.

Sustainability
Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

Installation Requirements
Refer to the product installation guide for complete installation requirements.

International Compliance
This product contains a light source of energy efficiency class G. Tested according to:
EN 55015:2013/A1:2015
EN 61547:2009

Warranty
5-year limited warranty

Listings
c UL us LISTED E473311

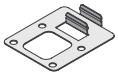
SRP Strip Light ORDERING INFORMATION

Fixture	Length	Color Temp
SRP	■ **10** *10' (3.1 m)*	■ **W** *Warm (2,700K)*
	■ **40** *40' (12.2 m)*	■ **S** *Soft (3,000K)*

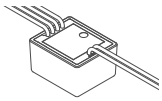
EXAMPLE FIXTURE CONFIGURATION:
SRP-10-W

SRP	-		-	

MOUNTING OPTIONS: Specify Separately

Item	Code	
■ **HARDSCAPE MOUNT** *2.5" (64 mm) width x 3.0" (76 mm) depth*	SRP-MNT	
■ **ALUMINUM CHANNEL MOUNT** *3.3' length (1.0 m) x 0.8" (20 mm) width x 0.7" (18 mm) height*	SRP-CHN	

LUXOR TECHNOLOGY OPTIONS: Specify Separately

Item	Code	
■ **LOW-VOLTAGE CUBE** *Supports AC dimmable LEDs and incandescent; MAX LOAD: 60 W/5 A*	LCM-LV	

ACCESSORIES: Specify Separately

Item	Code	
■ **SPLICE CONNECTORS**	SRP-CONNECT*	
■ **CUTTER TOOL**	SRP-CUT	

** Includes jumper cables, closed-end connectors, and power feeds.*

SRP Strip Light PHOTOMETRICS

SRP Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 115.7°	Horizontal 115.5°
3.3' (1.0 m)	2.9 fc (1.1 lx)	10.5' (3.2 m)	10.5' (3.2 m)
6.7' (2.0 m)	0.7 fc (0.3 lx)	21.3' (6.5 m)	21.2' (6.5 m)
10.0' (3.1 m)	0.3 fc (0.1 lx)	31.8' (9.7 m)	31.7' (9.7 m)
13.3' (4.1 m)	0.2 fc (0.1 lx)	42.3' (12.9 m)	42.2' (12.9 m)
16.7' (5.1 m)	0.1 fc (0 lx)	53.1' (16.2 m)	52.9' (16.1 m)
20.0' (6.1 m)	0.1 fc (0 lx)	63.6' (19.4 m)	63.4' (19.3 m)

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SRP Strip Light
Reference Sheet

Use this sheet for guidance on which products and corresponding accessories to order.





	SRP White (2700K & 3000K)	SRP RGBW
Total Lumens	28.7 lm/ft	24.3 lm/ft
Input Voltage	10 to 15 V	10 to 15 V
Input Power	0.6 W/ft	1.7 W/ft
VA	0.7 VA/ft	2.9 VA/ft
Power Supply	EX, PX, DX, or Luxor®	SRP-CC + EX, PX, DX, or Luxor
Maximum Run Length	40'	20' per SRP-CC Color Controller

SRP White and RGBW



10' SRP Warm (2700K)

Includes: 3" and 6" jumper cables and an end connector
SKU: SRP-10-W



10' SRP Soft (3000K)

Includes: 3" and 6" jumper cables and an end connector
SKU: SRP-10-S



10' SRP RGBW

Includes: 3" and 6" jumper cables and an end connector
SKU: SRP-10-RGBW



SRP-CC Color Controller

Control module required for SRP RGBW Strip Light
SKU: SRP-CC



40' SRP Warm (2700K)

Includes: 3" and 6" jumper cables, an end connector, and (1) additional power feed
SKU: SRP-40-W



40' SRP Soft (3000K)

Includes: 3" and 6" jumper cables, an end connector, and (1) additional power feed
SKU: SRP-40-S



20' SRP RGBW

Includes: 3" and 6" jumper cables, an end connector, and (1) additional power feed
SKU: SRP-20-RGBW

SRP Mounting Accessories

Channel Mount

SKU: SRP-CHN



Hardscape Mount

SKU: SRP-MNT



SRP Glare Shields

SKU: SRP-SHIELD



Model	Description	Quantity
SRP-CHN	Strip Light, Channel Mount (3.3')	3
SRP-MNT	Strip Light, Hardscape Mount	1 (Minimum Order Qty: 5)
SRP-SHIELD	Left and Right Glare Shields	5

SRP Splice Accessories

SRP Jumpers (White, RGBW)



3" Jumper



6" Jumper



End-to-End Jumper



End Connector

SRP Cut Tool



Model	Description	Quantity
SRP-JUMPER	3" Jumper Cable, 6" Jumper Cable, End-to-End Connector, Closed-End Connector	5 (each)
SRP-RGBW-JUMP	3" Jumper Cable, 6" Jumper Cable, End-to-End Connector, Closed-End Connector	5 (each)
SRP-CONNECT	10' Power Feed Closed-End Connector 3" Jumper Cable, 6" Jumper Cable	5 5 1 (each)
SRP-CONNECT-RGBW	10' Power Feed Closed-End Connector 3" Jumper Cable, 6" Jumper Cable	1 1 1 (each)
SRP-CUT	SRP Cut Tool	1

SRP Power Feed



SRP Power Feed (White)



SRP Power Feed (RGBW)

SRP RGBW Extension Cables



SRP RGBW "T" Cable



SRP RGBW Extension Cable (5')

Model	Description	Quantity
SRP-POWER	10' Power Feed, Closed-End Connector	5 (each)
SRP-RGBW-POWER	10' Power Feed, Closed-End Connector	5 (each)
SRP-RGBW-T	"T" Connector	1
SRP-RGBW-EXT	Extension Cables (5' length)	2

LIGHT LABORATORY INC.
8165 E Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

NVLAP TESTING
NVLAP LAB CODE 200927-0

Report No: L122111501 **Issue Date: 12/17/2021**

Report Prepared For: FX Luminaire / Lumascape
1940 Diamond Street, San Marcos, CA 92078

Model Number: SRP-RGBW

Test: Photometric/Colorimetric/Electrical Test

Standards Used: Appropriate part or all test guidelines were used for test performed:

IESNA LM79: 2019 Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products

ANSI NEMA ANSLG C78.377: 2017 Specification of the Chromaticity of Solid State Lighting Products

ANSI C82.77-10:2014: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Special Test Condition: Strip light will be powered using strip light cube at settings 43 HUE, 50 SAT, and 100 Intensity

Date of Tests: 12/17/21

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S4	4/7/23
HP Power Supply	6032A	PS-DC05-S2	--
Fluke Digital Thermometer	52K/J	MT-TP05	3/17/23
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

LIGHT LABORATORY INC.
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www.lightlaboratory.com

NVLAP TESTING
NVLAP LAB CODE 200927-0

General Information	
Manufacturer:	FX Luminaire / Lumascape
Model Number:	SRP-RGBW
Driver Model Number:	N/A

Test Summary	
Total Lumens:	97.00
Efficacy:	18.57
Color Redering Index:	52.2
Correlated Color Temperature:	2497
Input Voltage (VAC/60Hz):	12.00
Input Current (Amp):	0.9195
Input Power (W):	5.22
Input Power Factor:	0.4734
Current ATHD (%):	N/A

Test Condition	
Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:40
Total Operating Time (Hours):	2:10

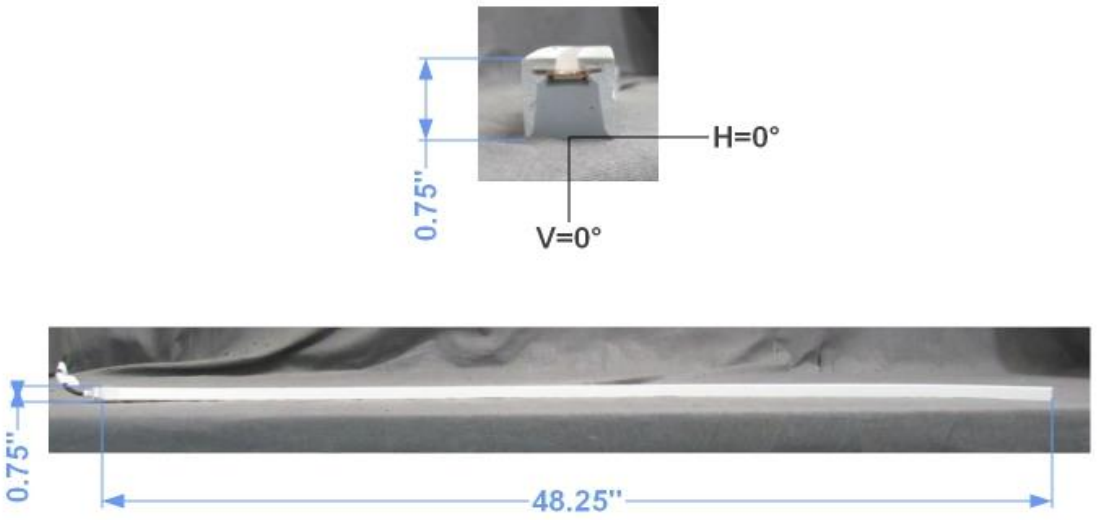


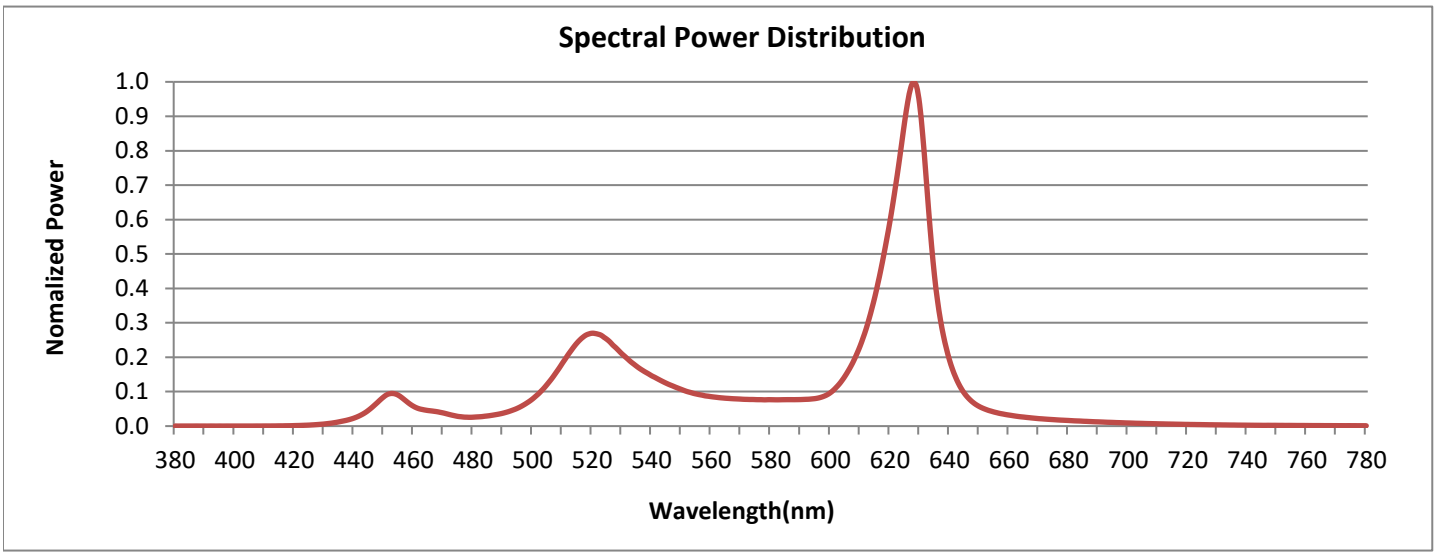
FIG. 1 LUMINAIRE

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Report No: L122111501

NVLAP TESTING
NVLAP LAB CODE 200927-0

Colorimetry Test Results

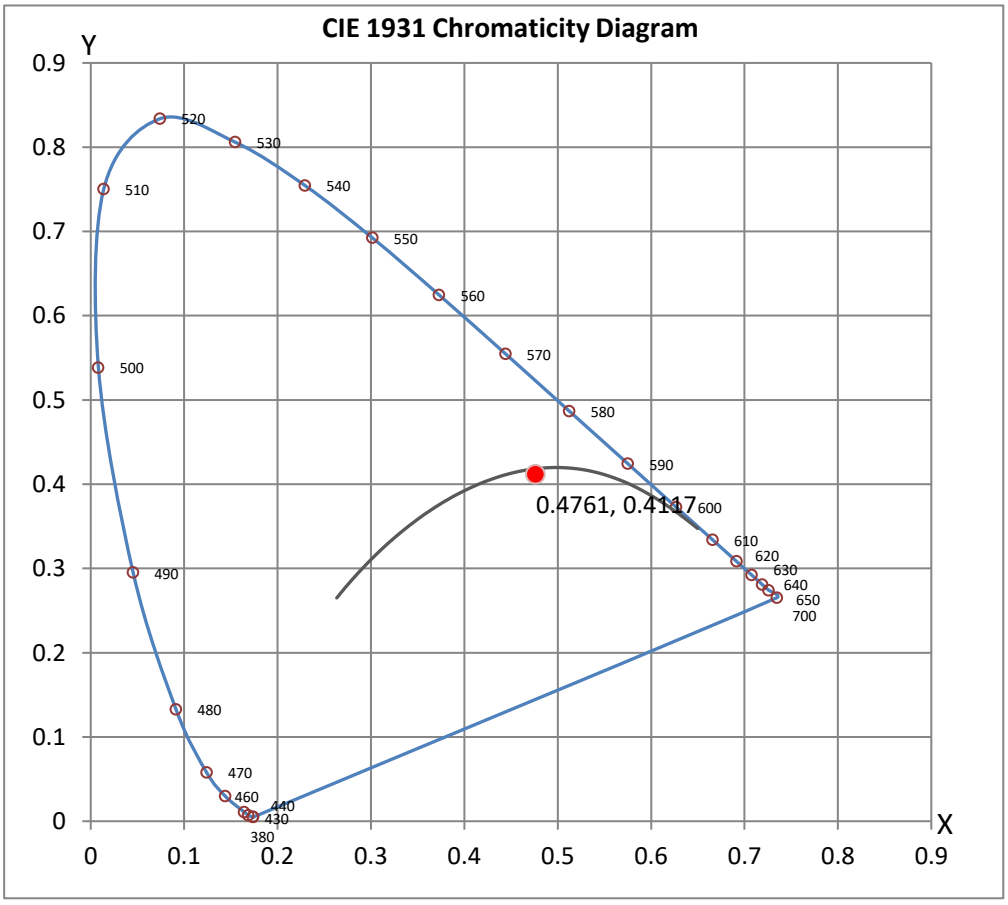


CRI & CCT

x	0.4761
y	0.4117
u'	0.2725
v'	0.5302
CRI	52.20
CCT	2497
Duv	-0.00064

R Values

R1	37.56
R2	74.02
R3	85.10
R4	22.10
R5	34.92
R6	46.13
R7	77.67
R8	40.46
R9	-2.85
R10	45.50
R11	-6.88
R12	37.87
R13	43.19
R14	86.14
R15	50.70



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NVLAP TESTING
NVLAP LAB CODE 200927-0

Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25^{o}C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25^{o}C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25^{o}C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25^{o}C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Disclaimers:

The results related only to the samples as received and tested. This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.

Report Prepared by : Kunjan Modi

Test Report Reviewed by:

Steve Kang
Quality Assurance

**Attached are photometric data reports.*

LIGHT LABORATORY INC.
8165 E. Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L122111501.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L122111501
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 12/17/2021
[MANUFAC] FX Luminaire / Lumascape
[LUMCAT] SRP-RGBW
[LUMINAIRE] Strip Light RGBW
[BALLASTCAT] Custom
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 12VAC
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	97
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	19
Total Luminaire Watts	5.22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.04 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2091	2091	2091
55	1992	1992	1992
65	2067	1908	1908
75	2077	2077	1818
85	2313	2313	2313

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	11.84	N.A.	12.20
0-30	25.25	N.A.	26.00
0-40	41.53	N.A.	42.70
0-60	73.94	N.A.	76.00
0-80	94.26	N.A.	96.90
0-90	97.25	N.A.	100.00
10-90	94.19	N.A.	96.90
20-40	29.69	N.A.	30.50
20-50	46.64	N.A.	48.00
40-70	44.71	N.A.	46.00
60-80	20.32	N.A.	20.90
70-80	8.02	N.A.	8.20
80-90	3.00	N.A.	3.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	97.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3.07
10-20	8.77
20-30	13.40
30-40	16.28
40-50	16.96
50-60	15.45
60-70	12.30
70-80	8.02
80-90	3.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	117	117	117	117	111	111	111	107	107	107	102	102	102	100
1	108	103	99	94	105	101	97	93	97	93	90	93	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	81	76	72	77	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	40	67	54	46	39	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

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UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	14.6	16.2	14.9	16.5	16.9	14.6	16.2	14.9	16.5	16.9
	3H	16.6	18.1	17.0	18.5	18.8	16.5	18.1	16.9	18.4	18.8
	4H	17.5	19.0	17.9	19.3	19.7	17.3	18.8	17.7	19.1	19.5
	6H	18.2	19.6	18.7	19.9	20.3	18.0	19.3	18.4	19.7	20.1
	8H	18.5	19.8	18.9	20.2	20.6	18.3	19.6	18.7	20.0	20.4
	12H	18.8	20.0	19.2	20.4	20.8	18.6	19.8	19.0	20.2	20.6
4H	2H	15.2	16.6	15.6	17.0	17.4	15.3	16.7	15.7	17.0	17.4
	3H	17.5	18.7	17.9	19.1	19.5	17.5	18.7	17.9	19.1	19.5
	4H	18.6	19.7	19.1	20.1	20.6	18.4	19.5	18.9	19.9	20.4
	6H	19.5	20.4	19.9	20.9	21.3	19.2	20.2	19.7	20.7	21.1
	8H	19.8	20.7	20.3	21.2	21.6	19.6	20.5	20.1	21.0	21.4
	12H	20.2	21.0	20.6	21.4	21.9	20.0	20.8	20.5	21.3	21.7
8H	4H	19.0	19.9	19.5	20.4	20.8	18.9	19.8	19.3	20.2	20.7
	6H	20.0	20.8	20.5	21.3	21.8	19.8	20.6	20.3	21.1	21.6
	8H	20.5	21.2	21.0	21.7	22.2	20.3	21.0	20.8	21.5	22.0
	12H	21.0	21.6	21.5	22.1	22.6	20.8	21.4	21.3	21.9	22.5
12H	4H	19.1	19.9	19.6	20.4	20.9	18.9	19.8	19.4	20.2	20.7
	6H	20.2	20.8	20.7	21.3	21.8	20.0	20.7	20.5	21.1	21.7
	8H	20.7	21.3	21.2	21.8	22.3	20.5	21.1	21.0	21.6	22.2

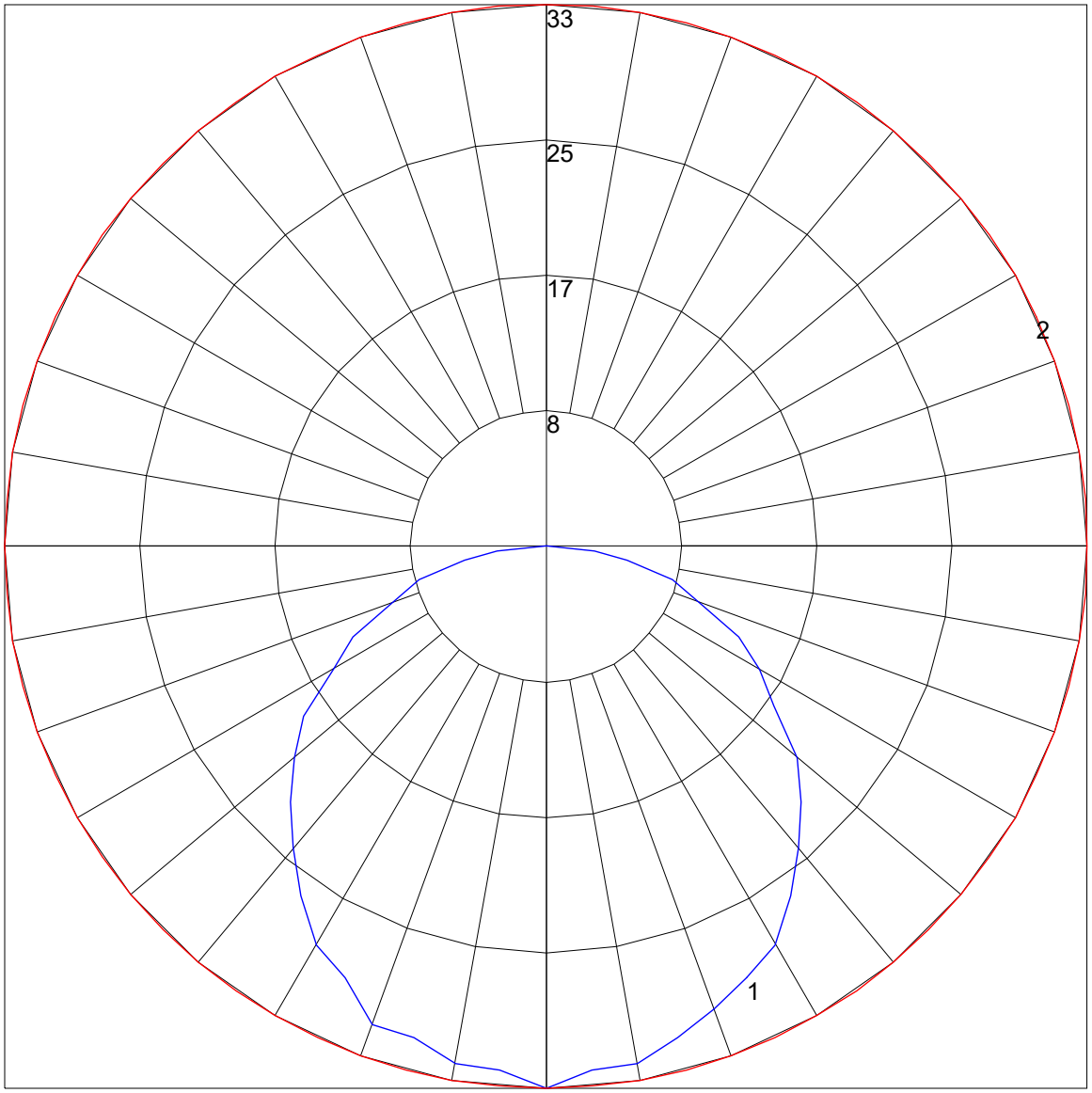
Maximum UGR = 22.6

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PHOTOMETRIC FILENAME : L122111501.IES

POLAR GRAPH



Maximum Candela = 33 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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LIGHT LABORATORY INC.
8165 E Kaiser Blvd.
Anaheim, CA 92808
www.lightlaboratory.com

NVLAP TESTING
NVLAP LAB CODE 200927-0

Report No: L012111401 **Issue Date: 1/19/2021**

Report Prepared For: Hunter Industries
1940 Diamond St., San Marcos, CA 92078

Model Number: SRP-W-10

Test: Photometric/Colorimetric/Electrical Test

Standards Used: Appropriate part or all test guidelines were used for test performed:

IESNA LM79: 2008 Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products

ANSI NEMA ANSLG C78.377: 2008 Specification of the Chromaticity of Solid State Lighting Products

ANSI C82.77:2002: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Special Test Condition: Fixture is tested with no special conditions.

Sample Arrival Date: 1/14/21

Date of Tests: 1/18/21 - 1/19/21

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S4	1/9/22
BK PRECISION	1747	PS-DC04	1/10/22
Fluke Digital Thermometer	52K/J	MT-TP05	1/10/22
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

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NVLAP TESTING
NVLAP LAB CODE 200927-0

General Information	
Manufacturer:	Hunter Industries
Model Number:	SRP-W-10
Driver Model Number:	N/A

Test Summary	
Total Lumens:	94.60
Efficacy:	44.69
Color Redering Index:	93.1
Correlated Color Temperature:	2581
Input Voltage (VAC/60Hz):	12.00
Input Current (Amp):	0.1836
Input Power (W):	2.12
Input Power Factor:	0.9542
Current ATHD (%):	30.2%

Test Condition	
Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	1:00
Total Operating Time (Hours):	1:40

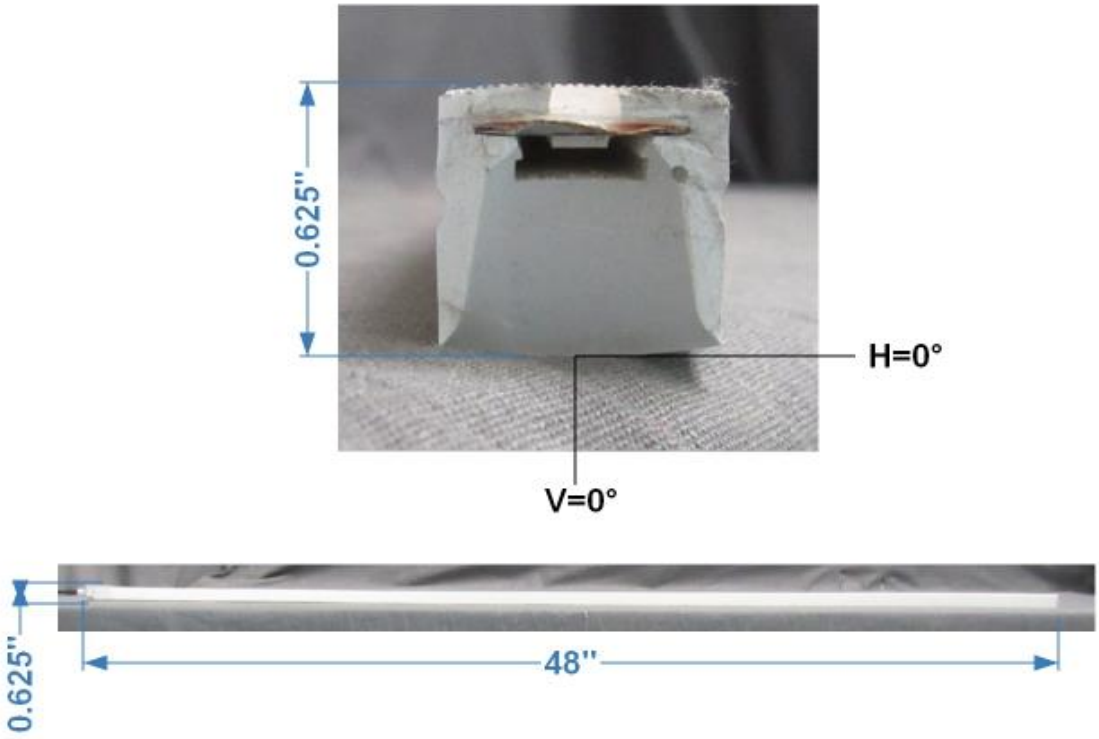


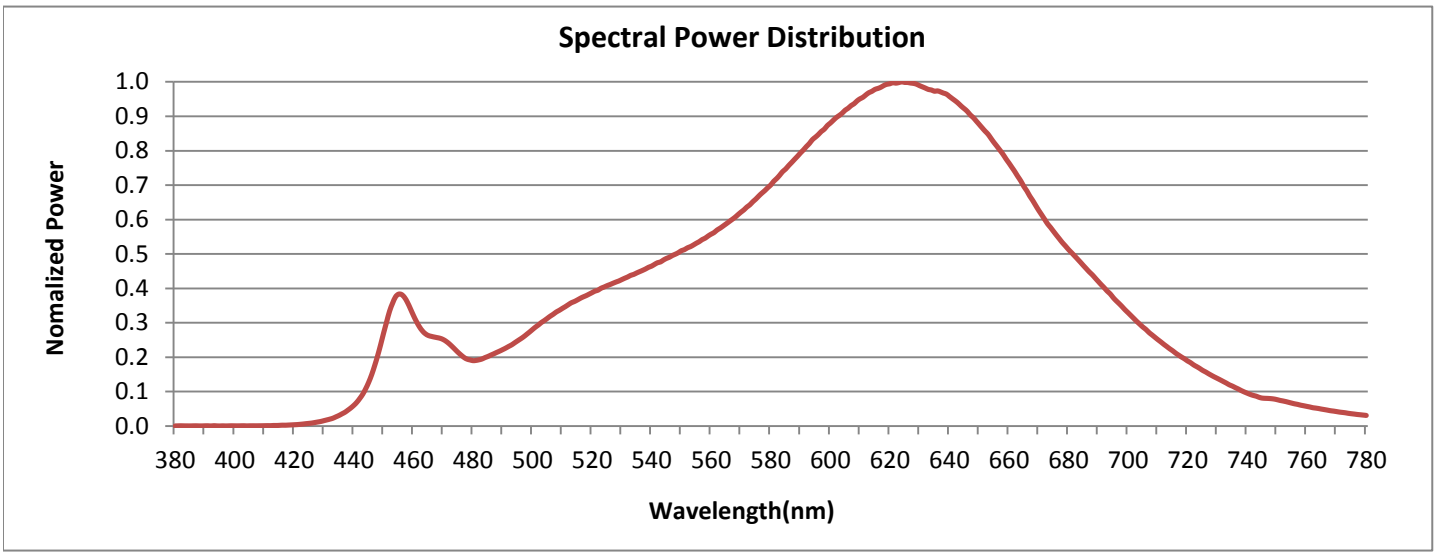
FIG. 1 LUMINAIRE

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Colorimetry Test Results

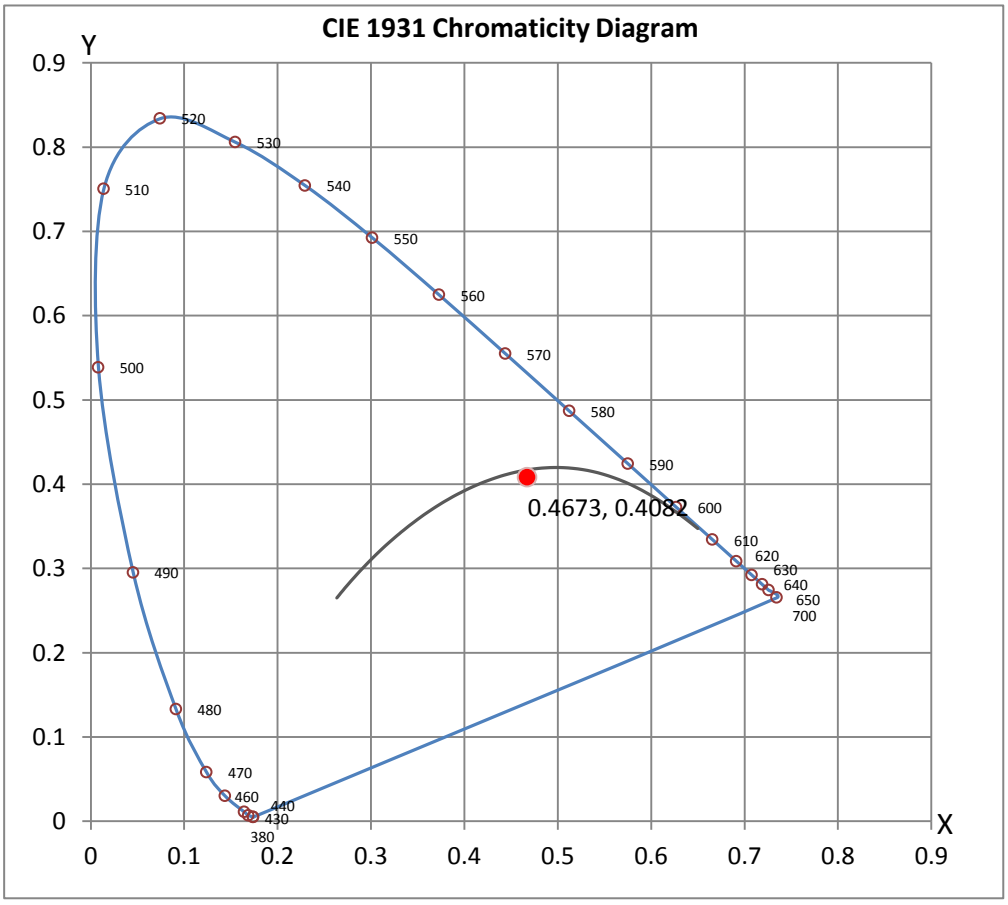


CRI & CCT

x	0.4673
y	0.4082
u'	0.2684
v'	0.5276
CRI	93.10
CCT	2581
Duv	-0.00141

R Values

R1	94.57
R2	99.17
R3	96.84
R4	93.53
R5	95.33
R6	96.00
R7	89.23
R8	80.27
R9	61.20
R10	97.65
R11	95.79
R12	85.05
R13	96.19
R14	99.32
R15	89.61



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Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Disclaimers:

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of Federal Government.

Report Prepared by : Keyur Patel

Test Report Reviewed by:

Steve Kang
Quality Assurance

**Attached are photometric data reports. Total number of pages: 11*

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Photometric Test Report

IES ROAD REPORT
PHOTOMETRIC FILENAME : L012111401.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L012111401
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 1/19/2021
[MANUFAC] Hunter Industries
[LUMCAT] SRP-W-10
[LUMINAIRE] Strip Light, White, 2700K
[BALLASTCAT] N/A
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 12VAC, 2.12W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	95
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	2.12
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	31.21
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	31.21
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.37 (5.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	12.2	N.A.	12.9
FM - Front-Medium (30-60)	23.6	N.A.	24.9
FH - Front-High (60-80)	10.1	N.A.	10.6
FVH - Front-Very High (80-90)	1.5	N.A.	1.6
BL - Back-Low (0-30)	12.2	N.A.	12.9
BM - Back-Medium (30-60)	23.6	N.A.	24.9
BH - Back-High (60-80)	10.1	N.A.	10.6
BVH - Back-Very High (80-90)	1.5	N.A.	1.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	94.8	N.A.	100.0
BUG Rating	B0-U0-G0		

ZONAL LUMEN SUMMARY

Zone	%
0-20	12.1
0-30	25.8
0-40	42.3
0-60	75.6
0-80	96.8
0-90	100
10-90	96.9
20-40	30.2
20-50	47.5
40-70	46.1
60-80	21.3
70-80	8.4
80-90	3.2
90-110	0
90-120	0
90-130	0
90-150	0
90-180	0
110-180	0
0-180	100

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**	**45**
0	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21
5	31.10	31.10	31.10	31.14	31.10	31.14	31.10	31.10	31.14	31.14
10	30.68	30.85	30.81	30.85	30.72	30.76	30.76	30.76	30.68	30.68
15	30.18	30.22	30.18	30.18	30.14	30.14	30.22	30.18	30.09	30.14
20	29.17	29.26	29.21	29.30	29.21	29.26	29.30	29.30	29.26	29.30
25	27.91	28.04	27.96	28.04	28.00	28.00	28.00	28.08	28.04	28.08
30	26.66	26.66	26.57	26.66	26.57	26.61	26.57	26.61	26.66	26.66
35	24.98	24.90	25.02	24.94	24.98	24.98	25.06	25.02	24.98	25.02
40	23.14	23.14	23.22	23.09	23.18	23.18	23.26	23.22	23.18	23.22
45	21.21	21.25	21.17	21.25	21.25	21.21	21.21	21.21	21.21	21.21
50	19.11	19.11	19.03	19.15	19.11	19.11	19.07	19.11	19.15	19.11
55	16.93	16.93	17.02	16.93	17.02	16.89	17.02	16.97	16.93	16.93
60	14.59	14.63	14.63	14.67	14.67	14.67	14.63	14.59	14.67	14.67
65	12.24	12.36	12.28	12.32	12.28	12.32	12.24	12.28	12.28	12.24
70	9.89	9.98	9.98	9.98	9.98	9.93	9.93	9.98	9.89	9.93
75	7.54	7.59	7.59	7.59	7.63	7.59	7.59	7.59	7.54	7.50
80	5.37	5.28	5.28	5.28	5.28	5.28	5.24	5.24	5.24	5.20
85	3.02	3.02	3.02	3.02	3.06	2.98	2.98	2.98	2.98	2.93
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

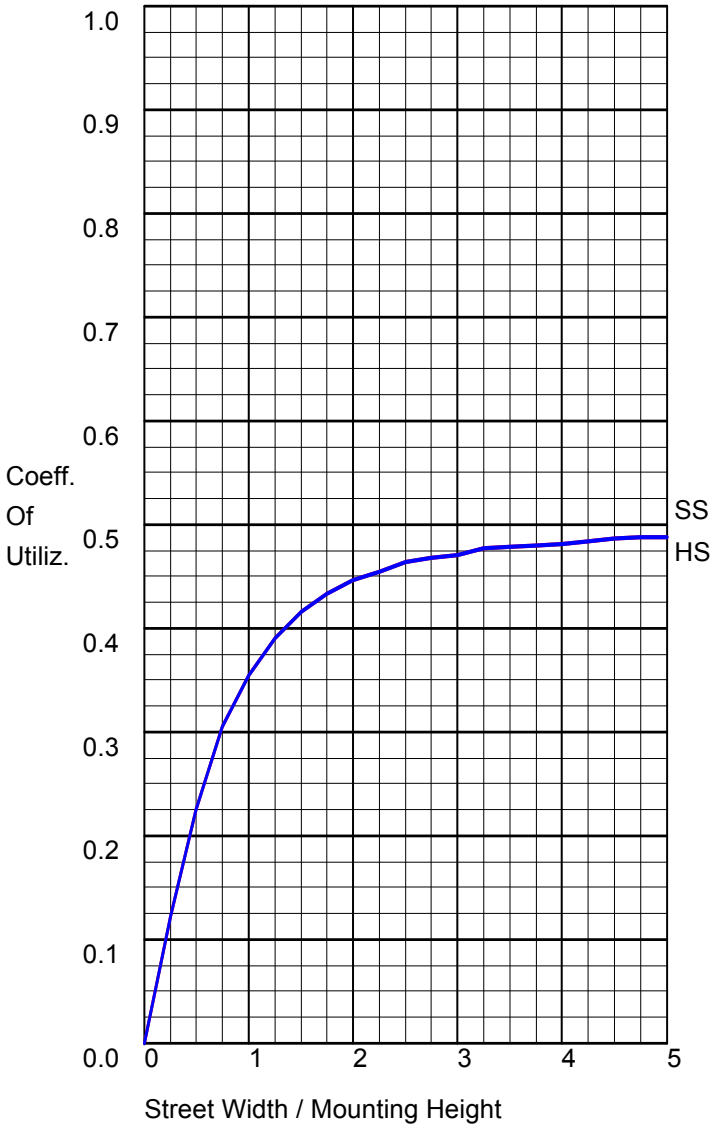
Vert. Angles	Horizontal Angles								
	50	**55**	**60**	**65**	**70**	**75**	**80**	**85**	**90**
0	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21
5	31.10	31.10	31.10	31.10	31.18	31.14	31.14	31.10	31.10
10	30.72	30.76	30.81	30.68	30.93	30.76	30.89	30.76	30.85
15	30.22	30.14	30.14	30.18	30.14	30.14	30.14	30.26	30.18
20	29.34	29.30	29.26	29.21	29.38	29.34	29.26	29.26	29.34
25	28.08	28.04	28.08	28.00	28.17	28.00	28.12	28.04	28.08
30	26.66	26.57	26.61	26.66	26.57	26.57	26.70	26.70	26.74
35	24.98	25.06	25.02	25.06	25.02	25.06	24.98	25.11	25.06
40	23.22	23.26	23.22	23.22	23.18	23.30	23.14	23.18	23.14
45	21.17	21.17	21.25	21.25	21.25	21.25	21.25	21.21	21.21
50	19.11	19.11	19.15	19.11	19.15	19.11	19.15	19.07	19.20
55	16.93	16.93	16.89	16.89	16.89	16.89	16.93	16.89	16.85
60	14.63	14.63	14.63	14.59	14.63	14.59	14.63	14.59	14.59
65	12.24	12.24	12.28	12.20	12.24	12.20	12.24	12.20	12.24
70	9.93	9.89	9.85	9.85	9.89	9.85	9.89	9.89	9.89
75	7.50	7.54	7.50	7.50	7.50	7.46	7.42	7.50	7.38
80	5.20	5.16	5.16	5.16	5.11	5.11	5.11	5.07	5.03
85	2.93	2.85	2.85	2.81	2.81	2.77	2.77	2.77	2.77
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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COEFFICIENTS OF UTILIZATION



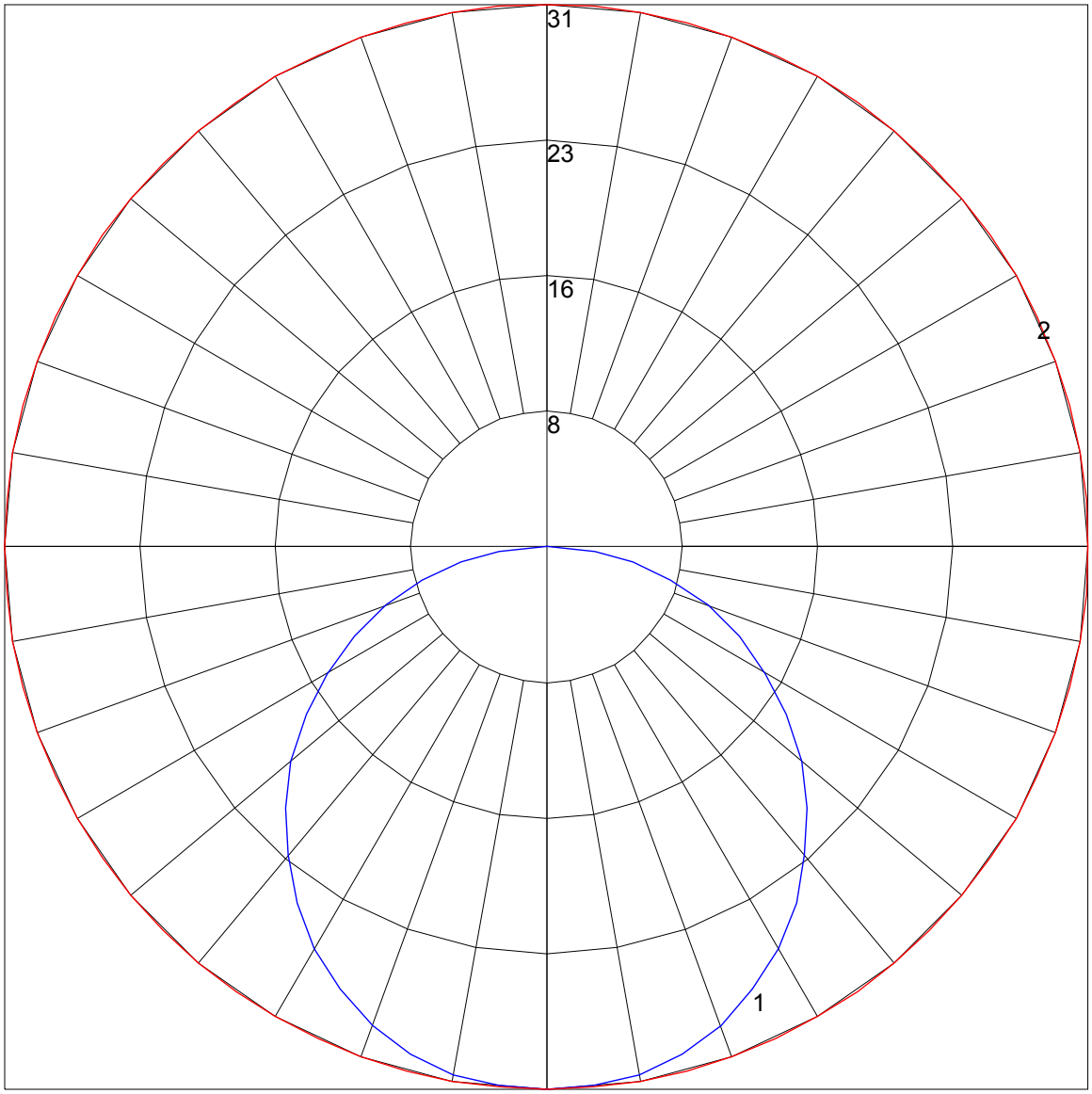
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	47.3	50.0
Downward House Side	47.3	50.0
Downward Total	94.6	99.9
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	94.6	99.9

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PHOTOMETRIC FILENAME : L012111401.IES

POLAR GRAPH

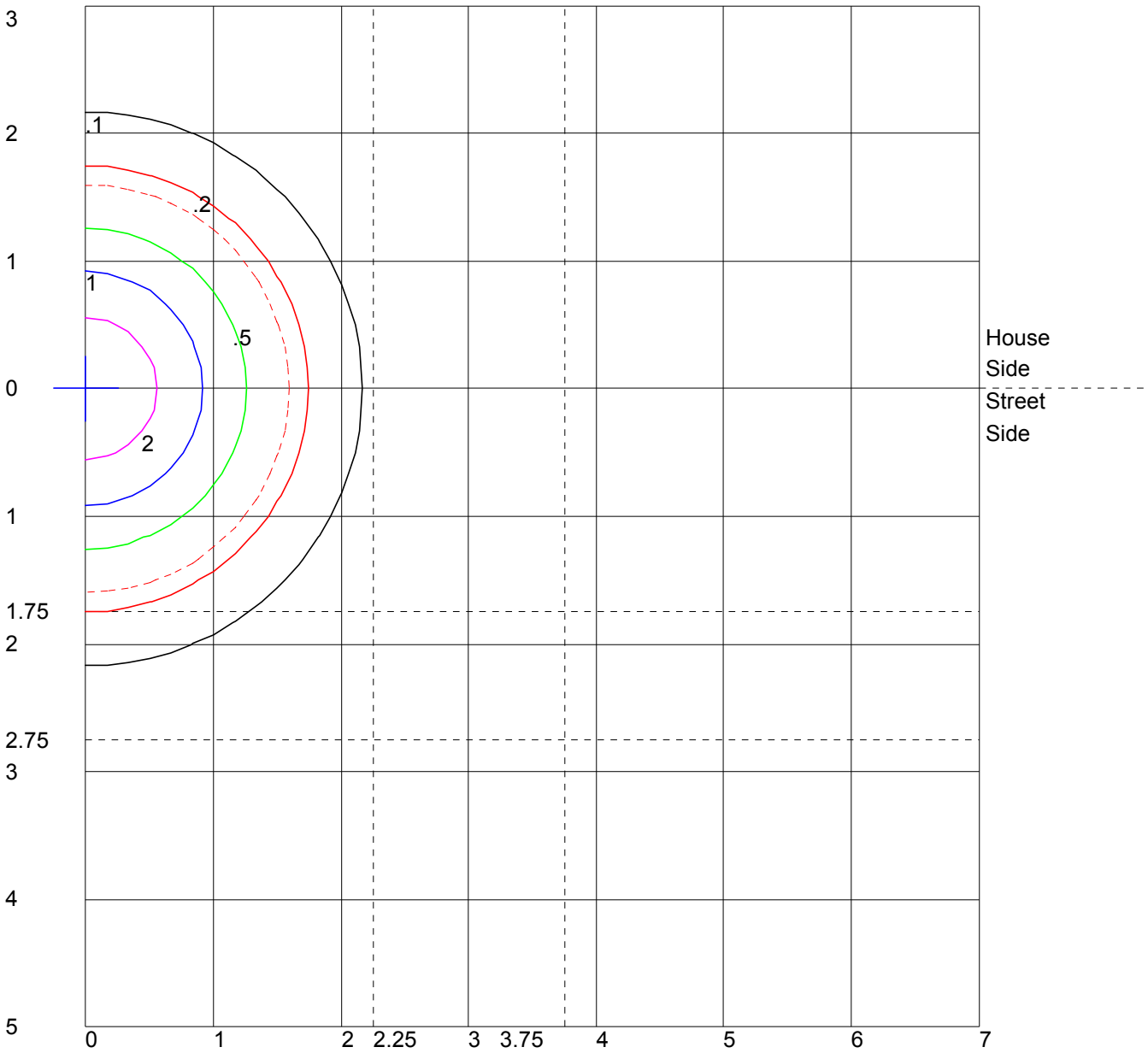


Maximum Candela = 31.21 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : L012111401.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

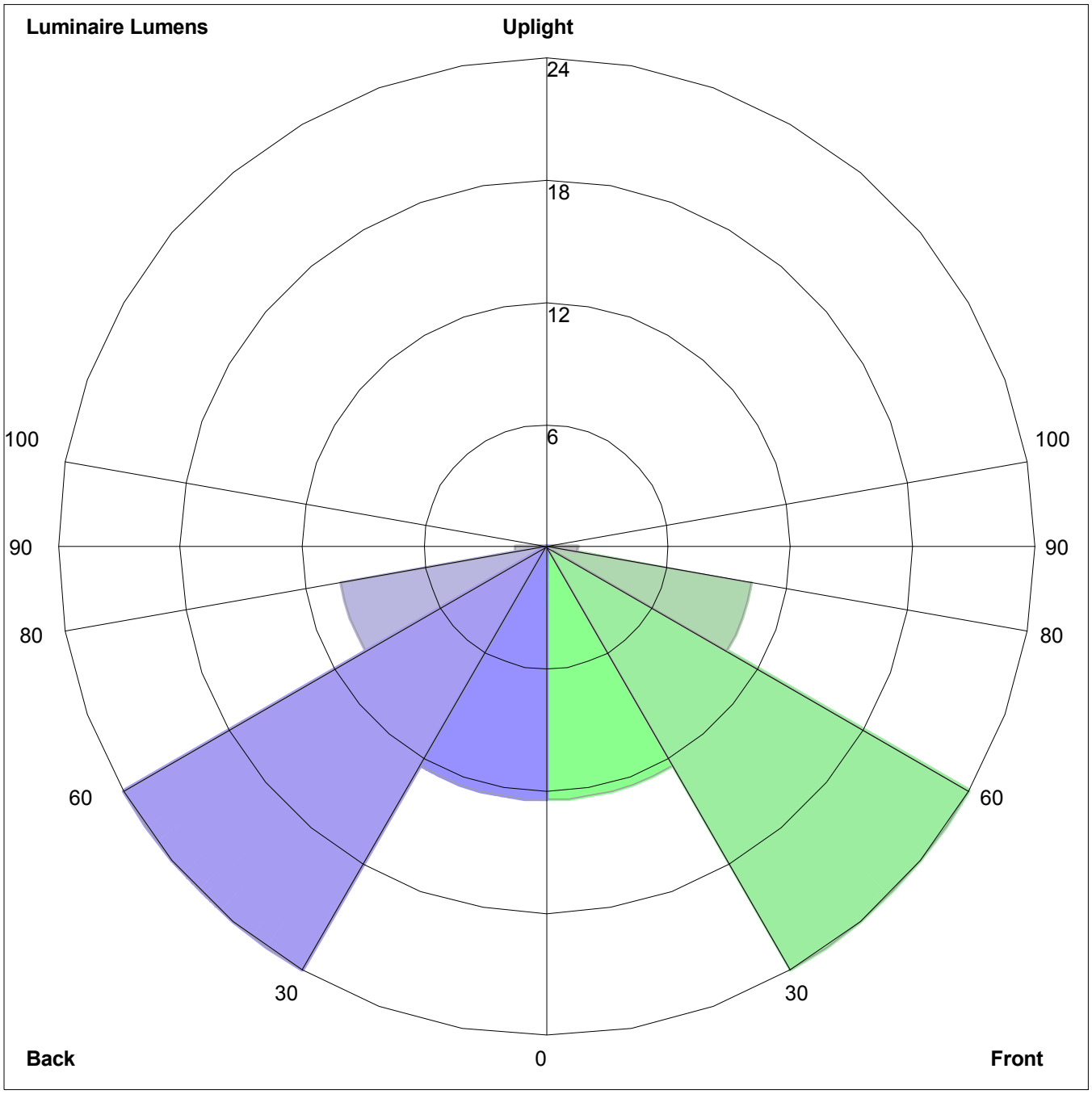


Distance In Units Of Mounting Height
Values Based On 3 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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IES ROAD REPORT
PHOTOMETRIC FILENAME : L012111401.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=12.2, Medium=23.6, High=10.1, Very High=1.5
Back: Low=12.2, Medium=23.6, High=10.1, Very High=1.5
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G0

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LIGHT LABORATORY INC.
8165 E Kaiser Blvd.
Anaheim, CA 92808
www.lightlaboratory.com

NVLAP TESTING
NVLAP LAB CODE 200927-0

Report No: L012111402 **Issue Date: 1/19/2021**

Report Prepared For: Hunter Industries
1940 Diamond St., San Marcos, CA 92078

Model Number: SRP-S-10

Test: Photometric/Colorimetric/Electrical Test

Standards Used: Appropriate part or all test guidelines were used for test performed:

IESNA LM79: 2008 Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products

ANSI NEMA ANSLG C78.377: 2008 Specification of the Chromaticity of Solid State Lighting Products

ANSI C82.77:2002: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Special Test Condition: Fixture is tested with no special conditions.

Sample Arrival Date: 1/14/21

Date of Tests: 1/18/21 - 1/19/21

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S4	1/9/22
BK PRECISION	1747	PS-DC04	1/10/22
Fluke Digital Thermometer	52K/J	MT-TP05	1/10/22
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

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NVLAP LAB CODE 200927-0

General Information	
Manufacturer:	Hunter Industries
Model Number:	SRP-S-10
Driver Model Number:	N/A

Test Summary	
Total Lumens:	114.40
Efficacy:	53.78
Color Redering Index:	92.5
Correlated Color Temperature:	2928
Input Voltage (VAC/60Hz):	12.00
Input Current (Amp):	0.1843
Input Power (W):	2.13
Input Power Factor:	0.9543
Current ATHD (%):	30.1%

Test Condition	
Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:30
Total Operating Time (Hours):	1:20

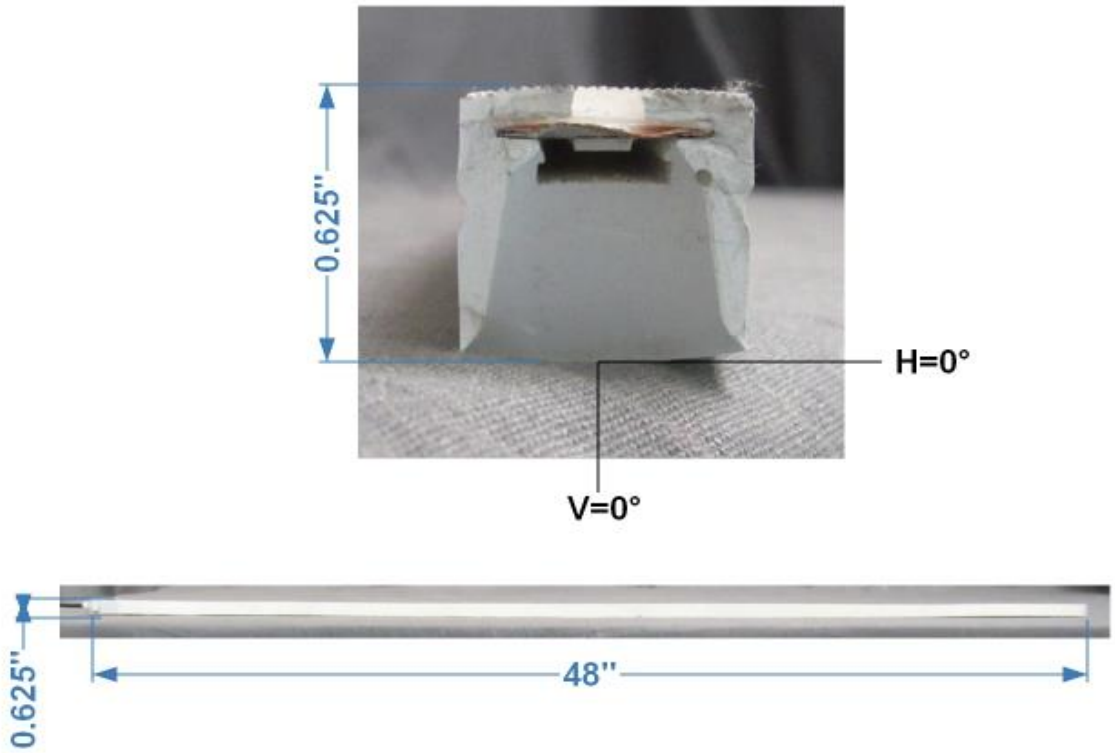


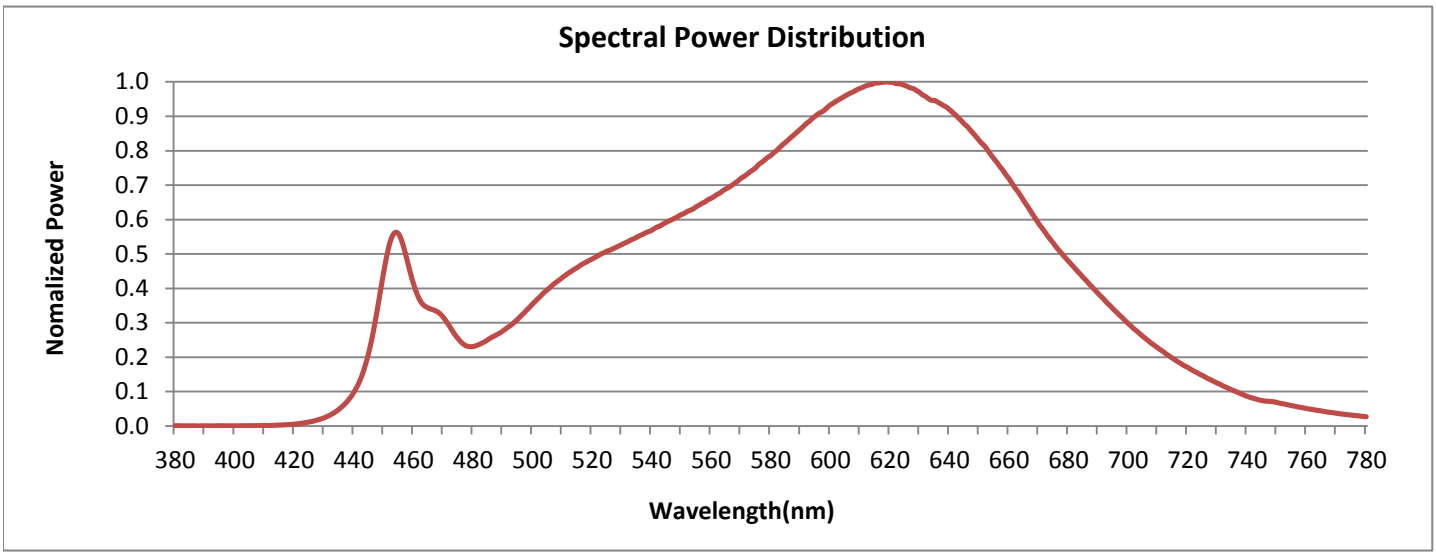
FIG. 1 LUMINAIRE

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Colorimetry Test Results

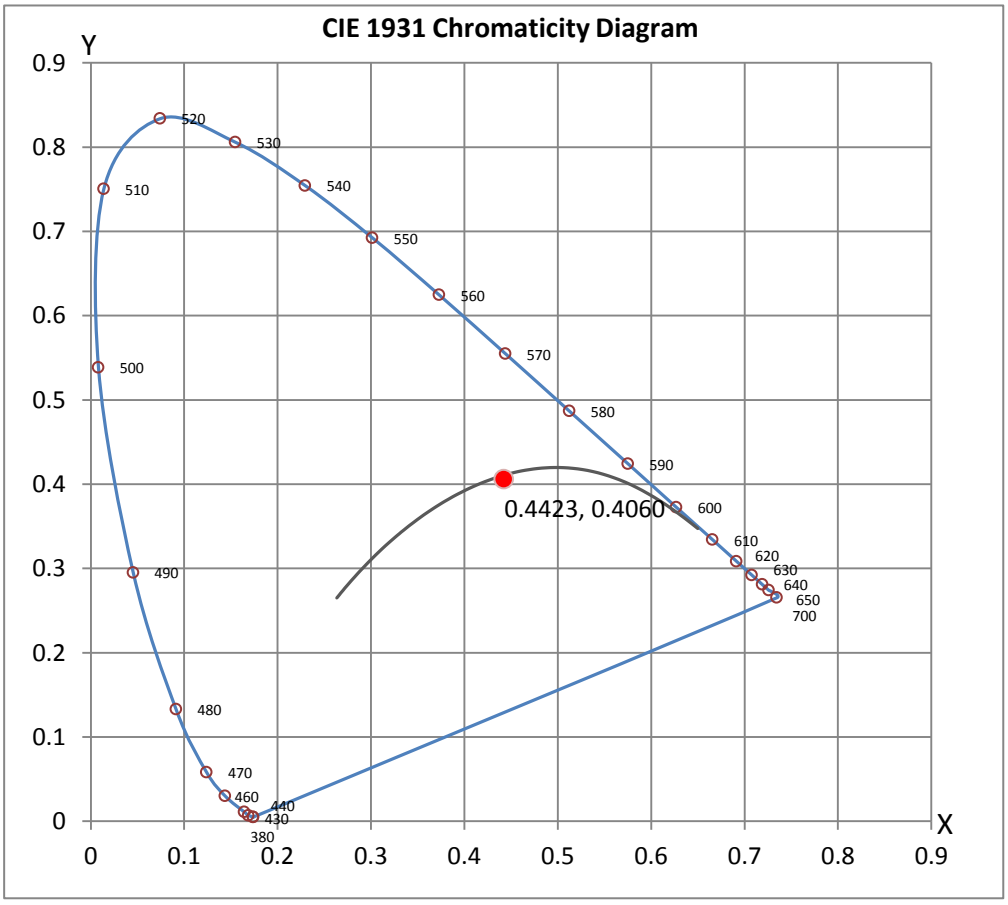


CRI & CCT

x	0.4423
y	0.4060
u'	0.2532
v'	0.5229
CRI	92.50
CCT	2928
Duv	0.00006

R Values

R1	92.68
R2	97.17
R3	98.65
R4	91.92
R5	92.61
R6	96.49
R7	90.39
R8	79.75
R9	56.57
R10	92.56
R11	93.12
R12	78.86
R13	94.05
R14	99.47
R15	88.08



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NVLAP LAB CODE 200927-0

Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Disclaimers:

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of Federal Government.

Report Prepared by : Keyur Patel

Test Report Reviewed by:

Steve Kang
Quality Assurance

**Attached are photometric data reports. Total number of pages: 11*

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Photometric Test Report

IES ROAD REPORT
PHOTOMETRIC FILENAME : L012111402.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L012111402
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 1/19/2021
[MANUFAC] Hunter Industries
[LUMCAT] SRP-S-10
[LUMINAIRE] Strip Light, White, 3000K
[BALLASTCAT] N/A
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 12VAC, 2.13W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	114
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	2.13
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	37.99
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	37.99
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.29 (5.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : L012111402.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	14.8	N.A.	13.0
FM - Front-Medium (30-60)	28.6	N.A.	25.0
FH - Front-High (60-80)	12.0	N.A.	10.5
FVH - Front-Very High (80-90)	1.8	N.A.	1.5
BL - Back-Low (0-30)	14.8	N.A.	13.0
BM - Back-Medium (30-60)	28.6	N.A.	25.0
BH - Back-High (60-80)	12.0	N.A.	10.5
BVH - Back-Very High (80-90)	1.8	N.A.	1.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	114.4	N.A.	100.0
BUG Rating	B0-U0-G0		

ZONAL LUMEN SUMMARY

Zone	%
0-20	12.2
0-30	25.9
0-40	42.5
0-60	75.8
0-80	96.9
0-90	100
10-90	96.9
20-40	30.3
20-50	47.7
40-70	46.1
60-80	21.1
70-80	8.3
80-90	3.1
90-110	0
90-120	0
90-130	0
90-150	0
90-180	0
110-180	0
0-180	100

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CANDELA TABULATION

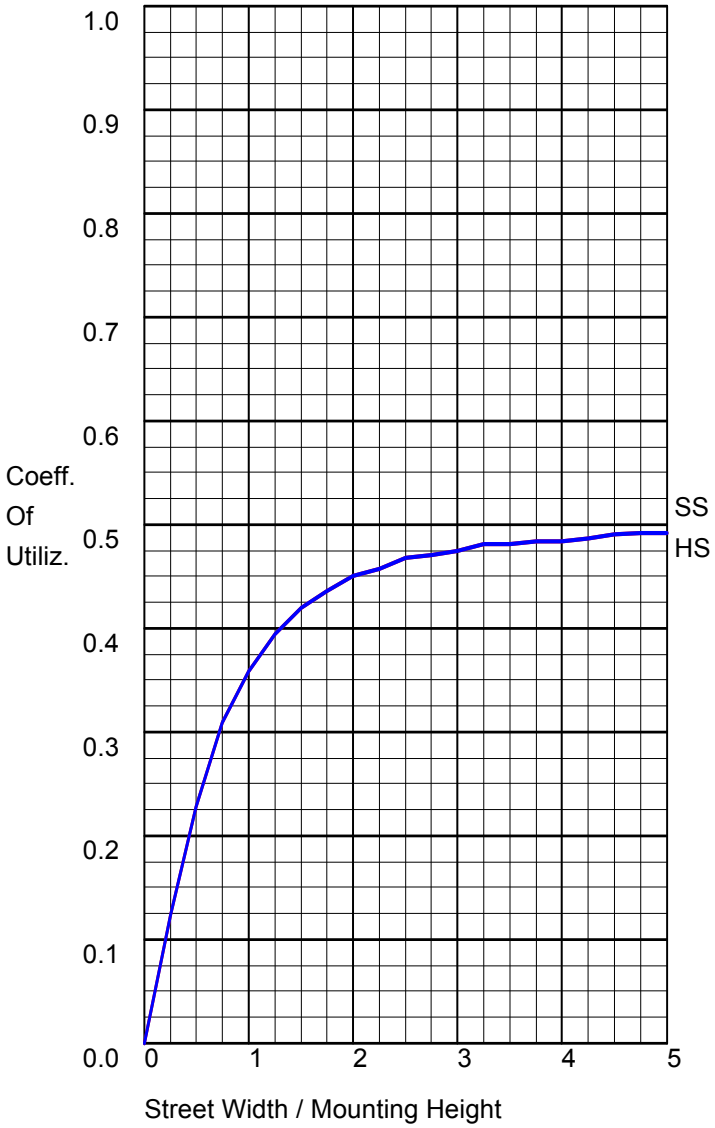
Vert. Angles	Horizontal Angles									
	0	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**	**45**
0	37.99	37.99	37.99	37.99	37.99	37.99	37.99	37.99	37.99	37.99
5	37.89	37.93	37.89	37.89	37.93	37.89	37.89	37.85	37.85	37.89
10	37.39	37.51	37.30	37.51	37.43	37.47	37.30	37.43	37.43	37.43
15	36.63	36.63	36.63	36.63	36.55	36.63	36.63	36.63	36.63	36.59
20	35.54	35.50	35.63	35.50	35.58	35.50	35.67	35.58	35.50	35.50
25	34.12	34.03	34.16	34.03	34.07	34.03	34.12	34.07	34.16	34.07
30	32.44	32.27	32.40	32.27	32.44	32.31	32.40	32.36	32.36	32.31
35	30.26	30.43	30.30	30.47	30.30	30.39	30.30	30.34	30.34	30.43
40	28.17	28.08	28.21	28.08	28.04	28.08	28.12	28.12	28.08	28.12
45	25.73	25.73	25.78	25.73	25.82	25.73	25.73	25.73	25.78	25.73
50	23.14	23.14	23.09	23.22	23.09	23.18	23.05	23.14	23.18	23.14
55	20.37	20.45	20.41	20.41	20.41	20.41	20.41	20.41	20.41	20.41
60	17.60	17.56	17.65	17.60	17.60	17.60	17.60	17.56	17.60	17.60
65	14.67	14.80	14.75	14.80	14.71	14.75	14.80	14.75	14.80	14.75
70	11.99	11.90	11.95	11.86	11.86	11.90	11.90	11.90	11.90	11.82
75	9.05	9.05	9.10	9.05	9.05	9.01	9.01	9.01	9.01	8.97
80	6.20	6.25	6.25	6.29	6.20	6.25	6.25	6.20	6.16	6.16
85	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.48	3.52	3.40
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles								
	50	**55**	**60**	**65**	**70**	**75**	**80**	**85**	**90**
0	37.99	37.99	37.99	37.99	37.99	37.99	37.99	37.99	37.99
5	37.85	37.89	37.85	37.85	37.89	37.93	37.89	37.76	37.72
10	37.34	37.34	37.39	37.34	37.43	37.30	37.51	37.30	37.39
15	36.63	36.63	36.63	36.63	36.63	36.63	36.59	36.63	36.72
20	35.54	35.63	35.46	35.58	35.50	35.58	35.46	35.58	35.54
25	34.12	34.03	34.20	34.03	34.16	34.03	34.12	34.03	34.03
30	32.36	32.36	32.36	32.44	32.31	32.44	32.27	32.40	32.27
35	30.34	30.34	30.47	30.30	30.47	30.34	30.47	30.39	30.51
40	28.12	28.17	28.12	28.12	28.12	28.21	28.17	28.21	28.17
45	25.69	25.78	25.73	25.82	25.78	25.82	25.78	25.82	25.65
50	23.18	23.14	23.18	23.09	23.18	23.09	23.18	23.14	23.14
55	20.45	20.41	20.41	20.37	20.45	20.33	20.41	20.41	20.45
60	17.60	17.56	17.60	17.56	17.65	17.65	17.60	17.60	17.60
65	14.75	14.71	14.71	14.67	14.75	14.63	14.67	14.71	14.75
70	11.82	11.86	11.78	11.78	11.78	11.78	11.78	11.78	11.74
75	8.97	9.01	8.97	8.97	8.89	8.93	8.89	8.93	8.89
80	6.12	6.16	6.12	6.12	6.12	6.08	6.04	6.04	6.04
85	3.40	3.40	3.35	3.35	3.27	3.27	3.27	3.19	3.19
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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COEFFICIENTS OF UTILIZATION



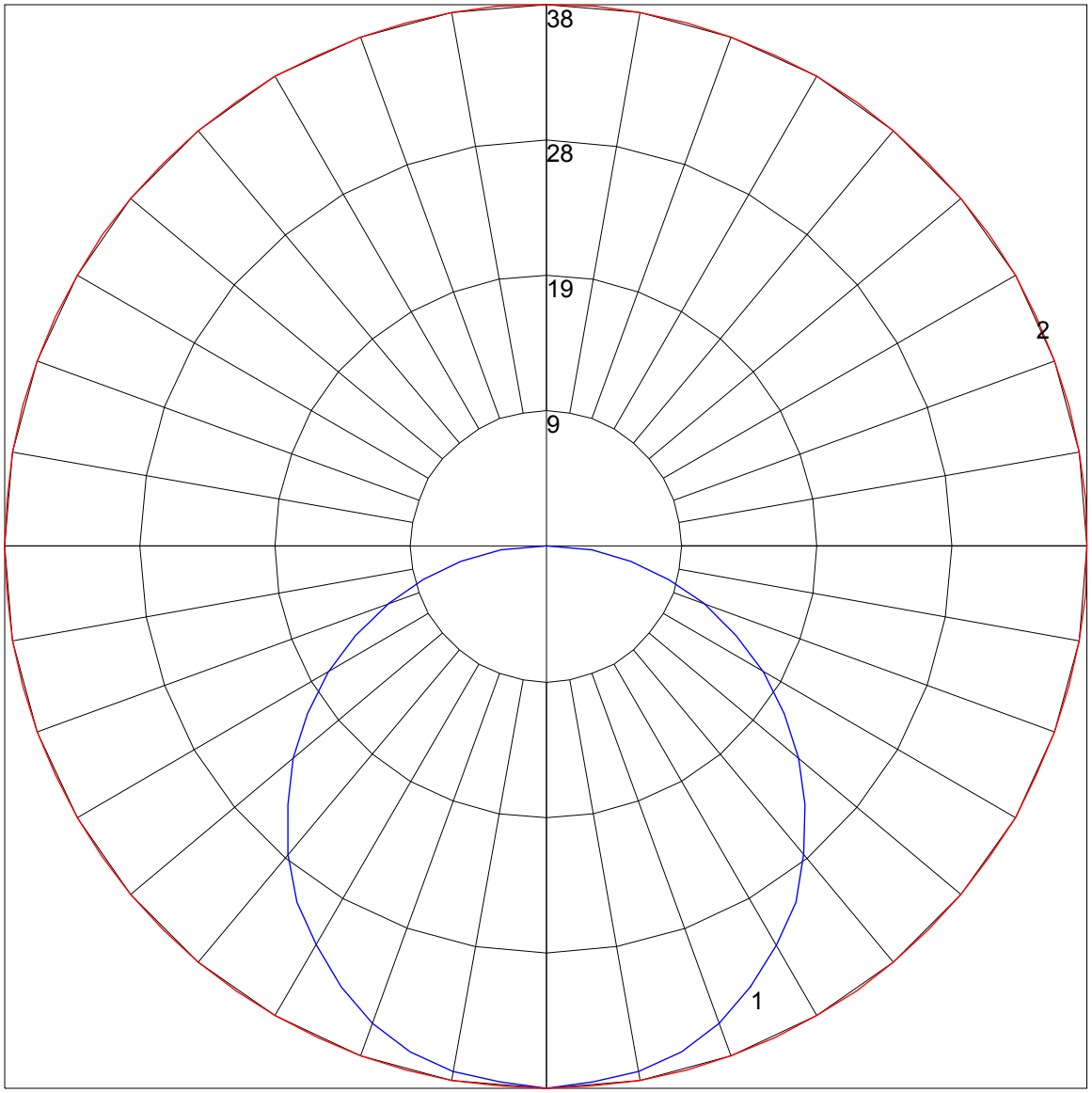
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	57.2	50.0
Downward House Side	57.2	50.0
Downward Total	114.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	114.4	100.0

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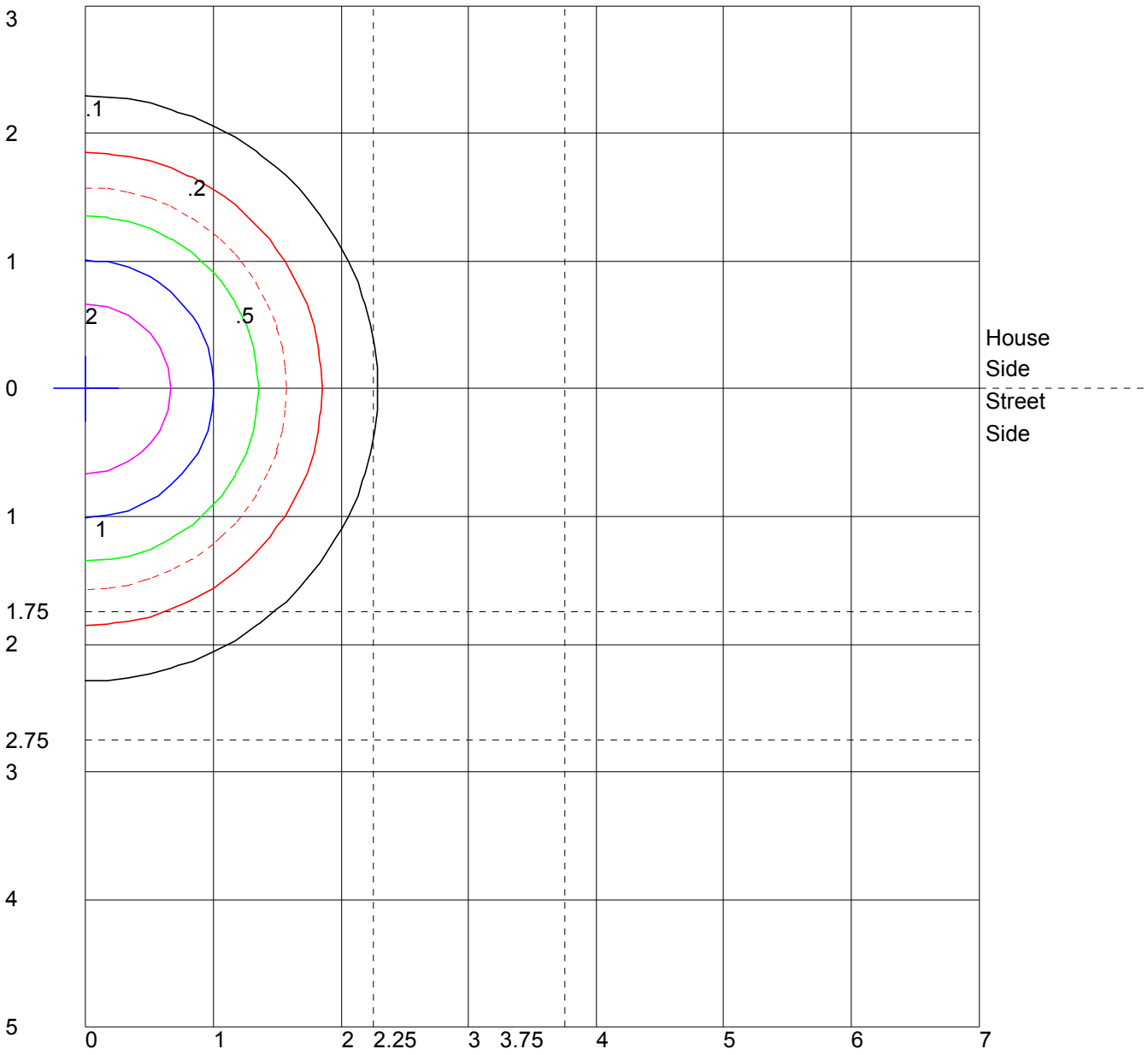


Maximum Candela = 37.99 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

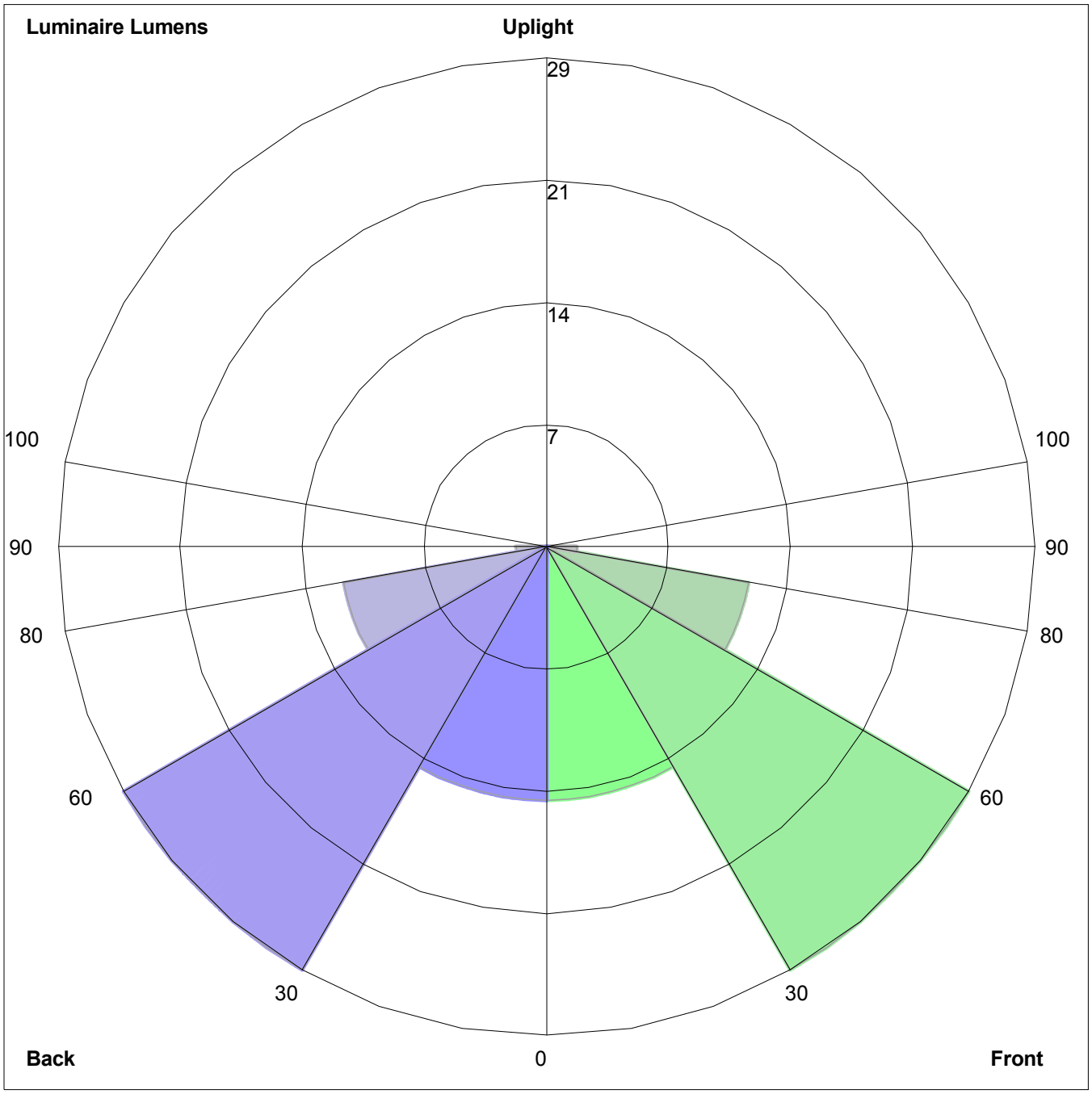


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Values Based On 3 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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Back: Low=14.8, Medium=28.6, High=12.0, Very High=1.8
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G0

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