

# SCOUT LIGHTING

## TEST REPORT

### SCOPE OF WORK

LED Performance Testing

### MODEL NUMBER

SS-WW-ASYM25-M-30-W-0-XX

### PROJECT NUMBER

G105054548

### REPORT NUMBER

105054548CRT-004

### ISSUE DATE

5/19/2022

### REVISED DATE

None

### TEST DATES

5/12/2022

### DOCUMENT CONTROL NUMBER

RTTDS-R-AMER-Test-3407

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**REPORT NUMBER**

105054548CRT-004

**MODEL NUMBER(s)**

SS-WW-ASYM25-M-30-W-0-XX

**REPORT RENDERED TO:**

SCOUT LIGHTING  
221 WEST 21ST, UNIT 1B  
NEW YORK, NY 10011  
USA

**STATEMENT OF LIMITATION**

NVLAP Lab Code 100402-0. 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.

**AUTHORIZATION**

The testing performed was authorized by signed quote number Qu-01263221-1.

**TEST STANDARDS**

ANSI/IES LM-79-19: Optical and Electrical Measurements of Solid State Lighting Products

IES LM-79-08: Electrical and Photometric Measurements of Solid State Lighting

In Charge of Testing:

Reviewer:



Gerald Gray  
Associate Engineer  
Lighting Division



Melanie Brittain  
Senior Associate Engineer  
Lighting Division

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# SAMPLE INFORMATION

REPORT NO. 105054548CRT-004

## ITEMS RECEIVED

Item No.	Control No.	Model No.	Description	Type	Received
1	CRT2204251036-001-3	SS-WW-ASYM25-M-30-W-0-XX	Scout WeissWall - Asymmetrical Peremiter Wrap Fixture - Asymmetrical Optic	Production	4/25/2022

XX=Controls

## TESTED SAMPLE CONFIGURATIONS

Config No.	Tested Model No.	Item Nos. Utilized
1	SS-WW-ASYM25-M-30-W-0-XX	1

## SAMPLE PHOTOS - TESTED CONFIGURATIONS



**SUMMARY**

**REPORT NO. 105054548CRT-004**

**PRODUCT INFORMATION AND SUMMARY OF DATA**

Product Model No.:	SS-WW-ASYM25-M-30-W-0-XX
Product Description:	Scout WeissWall - Asymmetrical Perimeter Wrap Fixture - Asymmetrical Optic
LED Model No.:	CREE 2835 18V
Driver Model No.:	Advance XI013C036V054DNM1
Light Source:	LED

Criteria	Results
Light Output (lumens)	544.4
Input Power (W) @ 120 (Vac)	6.58
Lumen Efficacy (lm/W)	82.7
Input Power Factor ( ) @ 120 (Vac)	0.972

**TEST METHODS**

**SEASONING IN SAMPLE ORIENTATION - LED PRODUCTS**

No seasoning was performed in accordance with IESNA LM-79.

**TYPE C GONIOPHOTOMETER DISTRIBUTION TESTING**

A Type C Mirror Goniophotometer system was used to measure the luminous intensity (candela) at each angle of distribution for the EUT. Electrical measurements of the unit were measured using a power analyzer. Each EUT was operated at the rated input voltage of the system in its designated orientation. The ambient temperature was measured at a position near the EUT at equal height and stabilization procedures to LM-79 were followed.

**TYPE C GONIOPHOTOMETER DISTRIBUTION TESTING**

**REPORT NO. 105054548CRT-004**

Test Configuration	Tested Model No.	Pass/Fail/NA
1	SS-WW-ASYM25-M-30-W-0-XX	NA

**PHOTOMETRIC AND ELECTRICAL MEASUREMENTS (25°C +/- 1°C)**

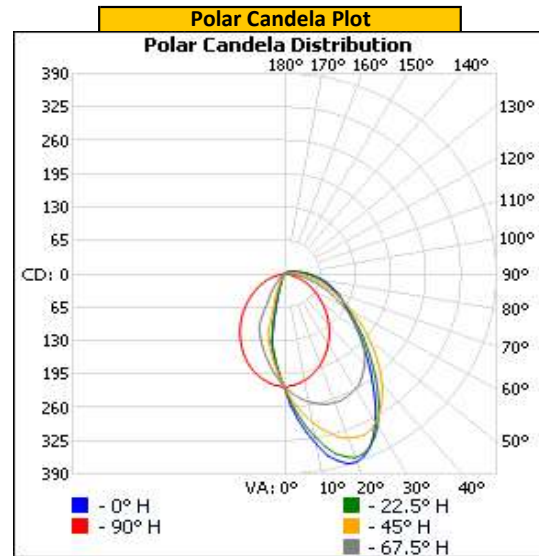
Base Orientation	Input Voltage (Vac)	Input Current (mA)	Input Power (W)	Input Power Factor ( )
Up	120.04	56.4	6.58	0.972

Light Output (lm)	Lumen Efficacy (lm/W)
544.4	82.7

**INTENSITY SUMMARY - CANDELA**

Angle	0	22.5	45	67.5	90
0	222	222	222	222	222
5	285	284	283	282	280
10	337	335	334	332	330
15	376	375	374	372	370
20	390	389	388	387	386
25	372	372	372	372	372
30	334	335	336	337	338
35	289	290	292	293	294
40	246	247	249	250	252
45	209	210	211	213	214
50	178	179	180	181	182
55	152	152	153	154	154
60	131	131	132	132	132
65	116	116	115	115	115
70	101	101	100	100	99
75	87	86	86	85	85
80	72	71	71	70	70
85	57	57	56	56	56
90	44	44	43	43	43
95	33	33	33	33	33
100	23	23	23	23	23
105	17	17	17	16	16
110	15	15	14	14	14
115	13	12	12	12	12
120	9	8	8	8	8
125	5	4	4	4	4
130	2	1	1	1	1
135	1	0	0	0	0
140	0	0	0	0	0
145	0	0	0	0	0
150	0	0	0	0	0
155	0	0	0	0	0
160	0	0	0	0	0
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

Entire luminous intensity matrix found in .IES file



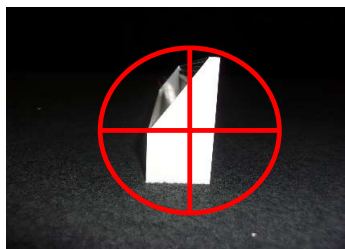
**REPORT NO. 105054548CRT-004**

**ORIENTATION AND ALIGNMENT OF EUT**

Luminous Opening		
Length (ft)	Width (ft)	Height (ft)
0.19	1.00	0.00
0°-180° H	90°-270° H	0°-180° V

Test Distance (ft)
29.6

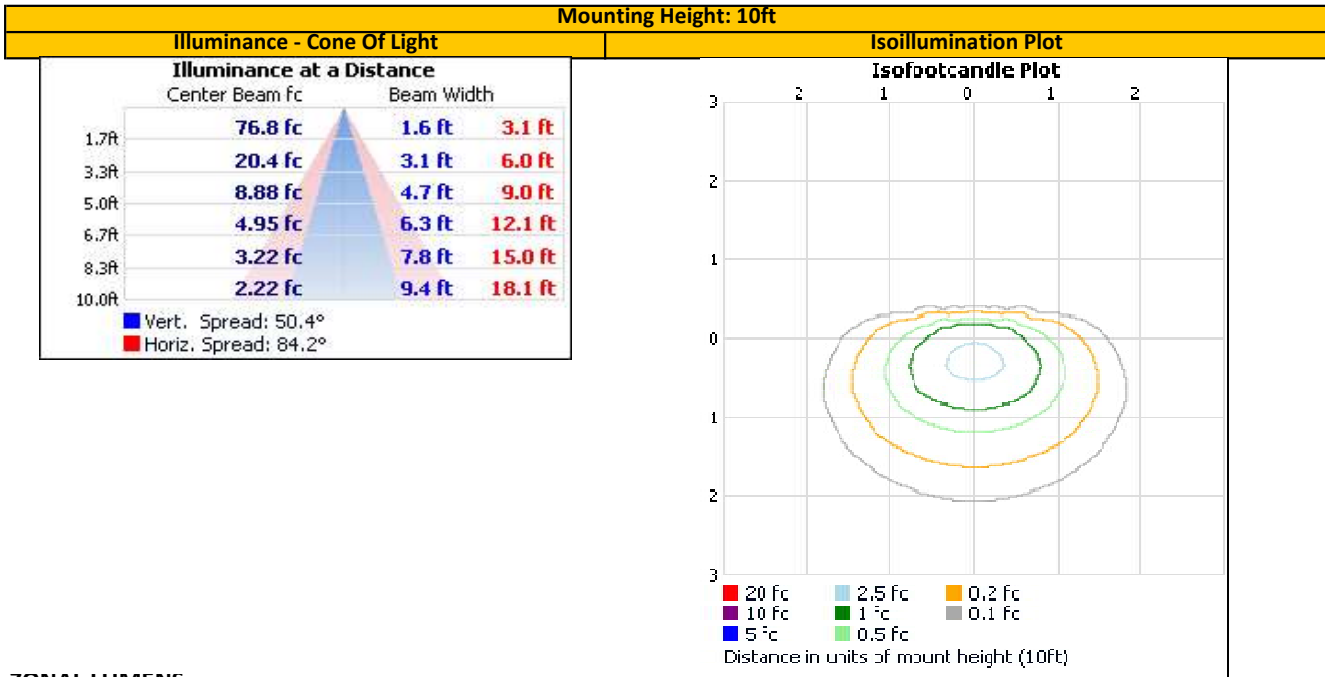
**PHOTOMETRIC CENTER OF EUT**



Note: EUT was tested base down and the IES file was rotated.

REPORT NO. 105054548CRT-004

## ILLUMINANCE SUMMARY



## ZONAL LUMENS

Zonal Lumen Summary																																																																																																			
<table><tr><th>Zone</th><th>Lumens</th><th>Luminaire</th></tr><tr><td>0-30</td><td>165.7</td><td>30.4%</td></tr><tr><td>0-40</td><td>258.9</td><td>47.6%</td></tr><tr><td>0-60</td><td>416.6</td><td>76.5%</td></tr><tr><td>60-90</td><td>108.8</td><td>20.0%</td></tr><tr><td>70-100</td><td>66.2</td><td>12.2%</td></tr><tr><td>90-120</td><td>18.3</td><td>3.4%</td></tr><tr><td>0-90</td><td>525.5</td><td>96.5%</td></tr><tr><td>90-180</td><td>19.0</td><td>3.5%</td></tr><tr><td>0-180</td><td>544.4</td><td>100.0%</td></tr></table>			Zone	Lumens	Luminaire	0-30	165.7	30.4%	0-40	258.9	47.6%	0-60	416.6	76.5%	60-90	108.8	20.0%	70-100	66.2	12.2%	90-120	18.3	3.4%	0-90	525.5	96.5%	90-180	19.0	3.5%	0-180	544.4	100.0%	<table><tr><th>Zone</th><th>Lumens</th><th>Total</th><th>Zone</th><th>Lumens</th><th>Total</th></tr><tr><td>0-10</td><td>21.2</td><td>3.9%</td><td>90-100</td><td>10.7</td><td>2.0%</td></tr><tr><td>10-20</td><td>59.3</td><td>10.9%</td><td>100-110</td><td>5.1</td><td>0.9%</td></tr><tr><td>20-30</td><td>85.2</td><td>15.7%</td><td>110-120</td><td>2.6</td><td>0.5%</td></tr><tr><td>30-40</td><td>93.2</td><td>17.1%</td><td>120-130</td><td>0.6</td><td>0.1%</td></tr><tr><td>40-50</td><td>86.5</td><td>15.9%</td><td>130-140</td><td>0.0</td><td>0.0%</td></tr><tr><td>50-60</td><td>71.2</td><td>13.1%</td><td>140-150</td><td>0.0</td><td>0.0%</td></tr><tr><td>60-70</td><td>53.3</td><td>9.8%</td><td>150-160</td><td>0.0</td><td>0.0%</td></tr><tr><td>70-80</td><td>35.5</td><td>6.5%</td><td>160-170</td><td>0.0</td><td>0.0%</td></tr><tr><td>80-90</td><td>20.1</td><td>3.7%</td><td>170-180</td><td>0.0</td><td>0.0%</td></tr></table>							Zone	Lumens	Total	Zone	Lumens	Total	0-10	21.2	3.9%	90-100	10.7	2.0%	10-20	59.3	10.9%	100-110	5.1	0.9%	20-30	85.2	15.7%	110-120	2.6	0.5%	30-40	93.2	17.1%	120-130	0.6	0.1%	40-50	86.5	15.9%	130-140	0.0	0.0%	50-60	71.2	13.1%	140-150	0.0	0.0%	60-70	53.3	9.8%	150-160	0.0	0.0%	70-80	35.5	6.5%	160-170	0.0	0.0%	80-90	20.1	3.7%	170-180	0.0	0.0%
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**EQUIPMENT LIST**

**REPORT NO. 105054548CRT-004**

#	Equipment	Model No	Control No.	Last Cal	Cal Due
1	LSI High Speed Mirror Goniophotometer	6440	---	4/4/2022	7/4/2022
2	Elgar AC Power Supply	CW1251	---	VBV	VBV
3	Yokogawa Power Analyzer	WT1600	307-E537	3/10/2022	3/10/2023
4	Traceable Hygrothermometer	4800	L204	2/21/2022	2/21/2023
5	Sorenson DC Power Supply	XG 150-10	---	VBV	VBV
6	Omega Thermometer	DPi8-C24	M263	3/1/2022	3/1/2023
7	Bosch Distance Laser	Pro GLM 20	L210	3/21/2022	3/15/2023
8	M-D Building Products Digital Level	Smart Tool	L112	5/26/2021	5/26/2022
9	Tape Measure	Crescent	---	9/21/2021	9/21/2024

**REVISION HISTORY**

#	Revision Date	Updated By	Reviewed By	Description of Change
---	None	---	---	---
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