

SCOUT LIGHTING

TEST REPORT

SCOPE OF WORK

LED Performance Testing

MODEL NUMBER

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

PROJECT NUMBER

G105054548

REPORT NUMBER

105054548CRT-003

ISSUE DATE

5/19/2022

REVISED DATE

None

TEST DATES

5/11/2022

DOCUMENT CONTROL NUMBER

RTTDS-R-AMER-Test-3407

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REPORT NUMBER

105054548CRT-003

MODEL NUMBER(s)

SS-WW-FF-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

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ITEMS RECEIVED

Item No.	Control No.	Model No.	Description	Type	Received
1	CRT2204251036-001-2	SS-WW-FF-M-30-W-0-XX	Scout WeissWall - Asymmetrical Perimeter Wrap Fixture - Frosted Lens	Production	4/25/2022

XX=Controls

TESTED SAMPLE CONFIGURATIONS

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

SAMPLE PHOTOS - TESTED CONFIGURATIONS



SUMMARY

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PRODUCT INFORMATION AND SUMMARY OF DATA

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

Criteria	Results
Light Output (lumens)	477.2
Input Power (W) @ 120 (Vac)	6.59
Lumen Efficacy (lm/W)	72.4
Input Power Factor () @ 120 (Vac)	0.973

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

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

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

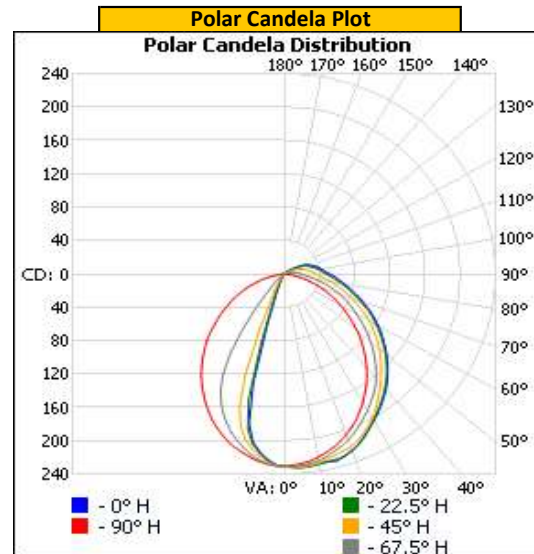
Base Orientation	Input Voltage (Vac)	Input Current (mA)	Input Power (W)	Input Power Factor ()
Up	120.03	56.6	6.59	0.973

Light Output (lm)	Lumen Efficacy (lm/W)
477.2	72.4

INTENSITY SUMMARY - CANDELA

Angle	0	22.5	45	67.5	90
0	231	231	231	231	231
5	232	232	232	232	233
10	230	231	231	231	231
15	232	232	231	231	231
20	225	225	225	225	225
25	215	215	215	215	215
30	203	203	203	203	203
35	192	192	192	191	191
40	180	180	180	179	179
45	166	166	166	166	166
50	152	152	152	151	151
55	137	137	137	137	136
60	123	123	122	122	122
65	109	108	108	108	108
70	94	94	93	93	93
75	81	80	80	80	79
80	69	69	68	68	68
85	60	60	59	59	58
90	52	51	51	50	50
95	46	45	45	44	44
100	41	40	40	40	39
105	36	36	35	35	34
110	31	31	30	30	30
115	25	25	24	24	23
120	16	15	15	14	14
125	8	7	7	6	6
130	3	3	3	2	2
135	1	1	1	1	1
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



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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

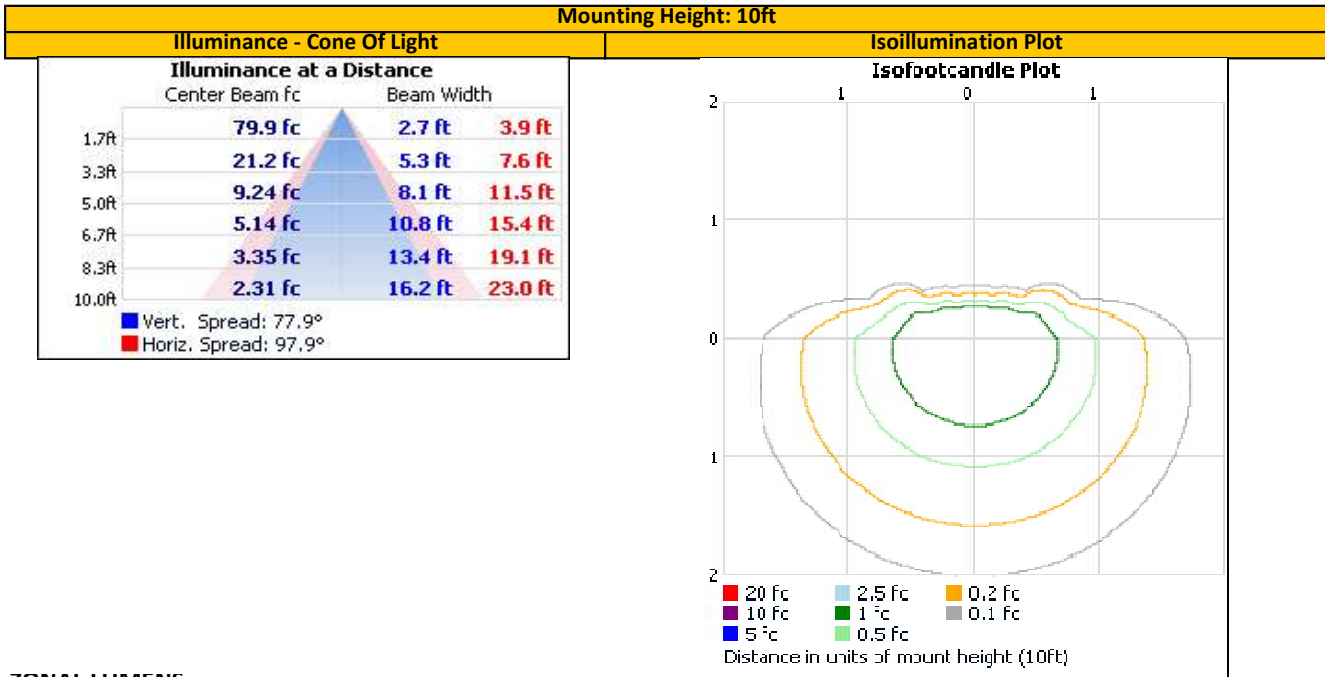
PHOTOMETRIC CENTER OF EUT



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

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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>144.3</td><td>30.2%</td></tr><tr><td>0-40</td><td>214.8</td><td>45.0%</td></tr><tr><td>0-60</td><td>341.5</td><td>71.6%</td></tr><tr><td>60-90</td><td>104.4</td><td>21.9%</td></tr><tr><td>70-100</td><td>71.1</td><td>14.9%</td></tr><tr><td>90-120</td><td>30.1</td><td>6.3%</td></tr><tr><td>0-90</td><td>445.9</td><td>93.4%</td></tr><tr><td>90-180</td><td>31.3</td><td>6.6%</td></tr><tr><td>0-180</td><td>477.2</td><td>100.0%</td></tr></table>			Zone	Lumens	Luminaire	0-30	144.3	30.2%	0-40	214.8	45.0%	0-60	341.5	71.6%	60-90	104.4	21.9%	70-100	71.1	14.9%	90-120	30.1	6.3%	0-90	445.9	93.4%	90-180	31.3	6.6%	0-180	477.2	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>21.6</td><td>4.5%</td><td>90-100</td><td>15.0</td><td>3.1%</td></tr><tr><td>10-20</td><td>55.6</td><td>11.7%</td><td>100-110</td><td>10.1</td><td>2.1%</td></tr><tr><td>20-30</td><td>67.1</td><td>14.1%</td><td>110-120</td><td>5.0</td><td>1.1%</td></tr><tr><td>30-40</td><td>70.5</td><td>14.8%</td><td>120-130</td><td>1.1</td><td>0.2%</td></tr><tr><td>40-50</td><td>67.0</td><td>14.0%</td><td>130-140</td><td>0.1</td><td>0.0%</td></tr><tr><td>50-60</td><td>59.7</td><td>12.5%</td><td>140-150</td><td>0.0</td><td>0.0%</td></tr><tr><td>60-70</td><td>48.3</td><td>10.1%</td><td>150-160</td><td>0.0</td><td>0.0%</td></tr><tr><td>70-80</td><td>34.3</td><td>7.2%</td><td>160-170</td><td>0.0</td><td>0.0%</td></tr><tr><td>80-90</td><td>21.8</td><td>4.6%</td><td>170-180</td><td>0.0</td><td>0.0%</td></tr></table>							Zone	Lumens	Total	Zone	Lumens	Total	0-10	21.6	4.5%	90-100	15.0	3.1%	10-20	55.6	11.7%	100-110	10.1	2.1%	20-30	67.1	14.1%	110-120	5.0	1.1%	30-40	70.5	14.8%	120-130	1.1	0.2%	40-50	67.0	14.0%	130-140	0.1	0.0%	50-60	59.7	12.5%	140-150	0.0	0.0%	60-70	48.3	10.1%	150-160	0.0	0.0%	70-80	34.3	7.2%	160-170	0.0	0.0%	80-90	21.8	4.6%	170-180	0.0	0.0%
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EQUIPMENT LIST

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#	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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