

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630538

Luminaire Tested: GWS-SA1D-830-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-830-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

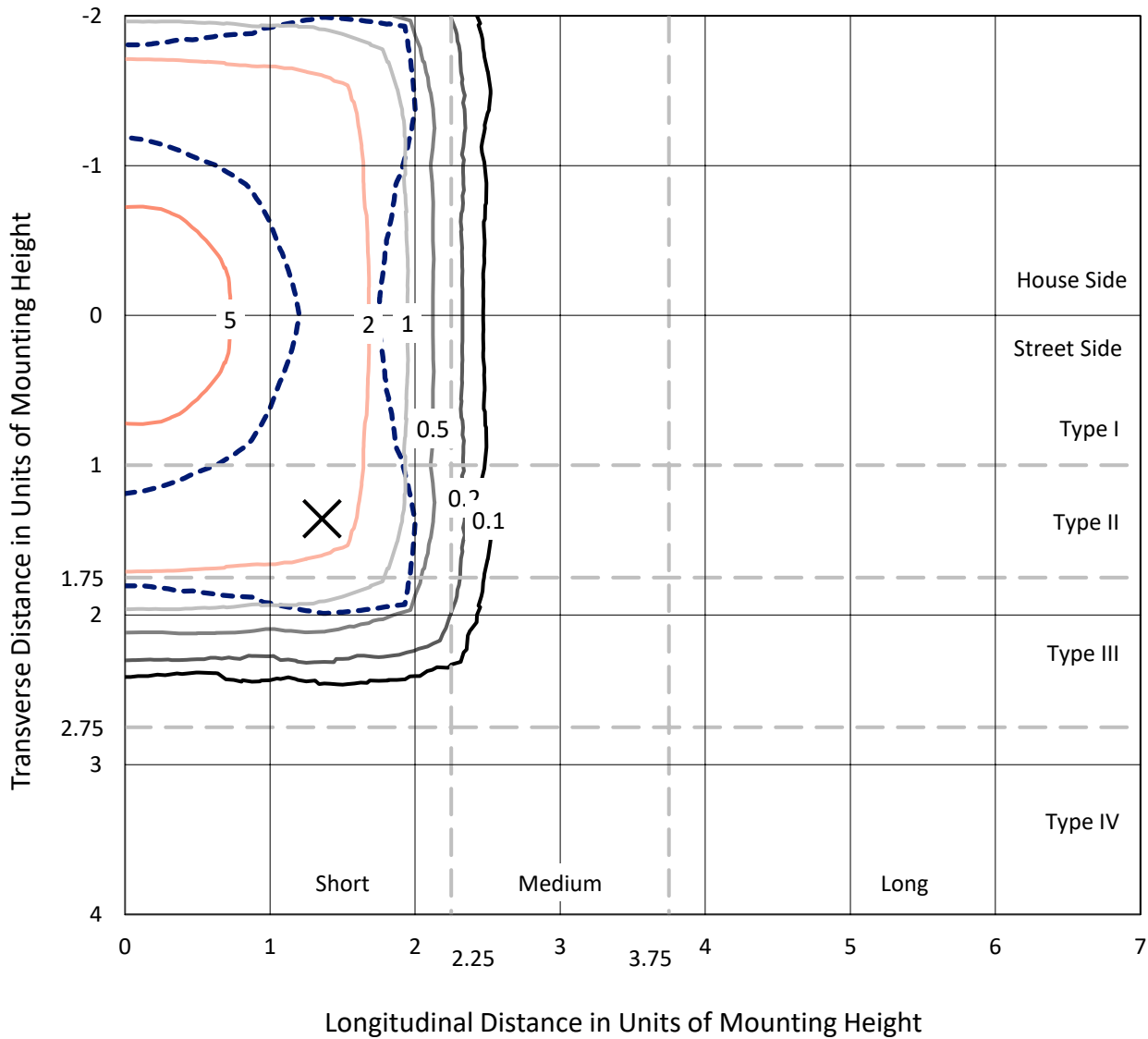
Lumens per Lamp: N/A  
Luminaire Lumens: 5034.7 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

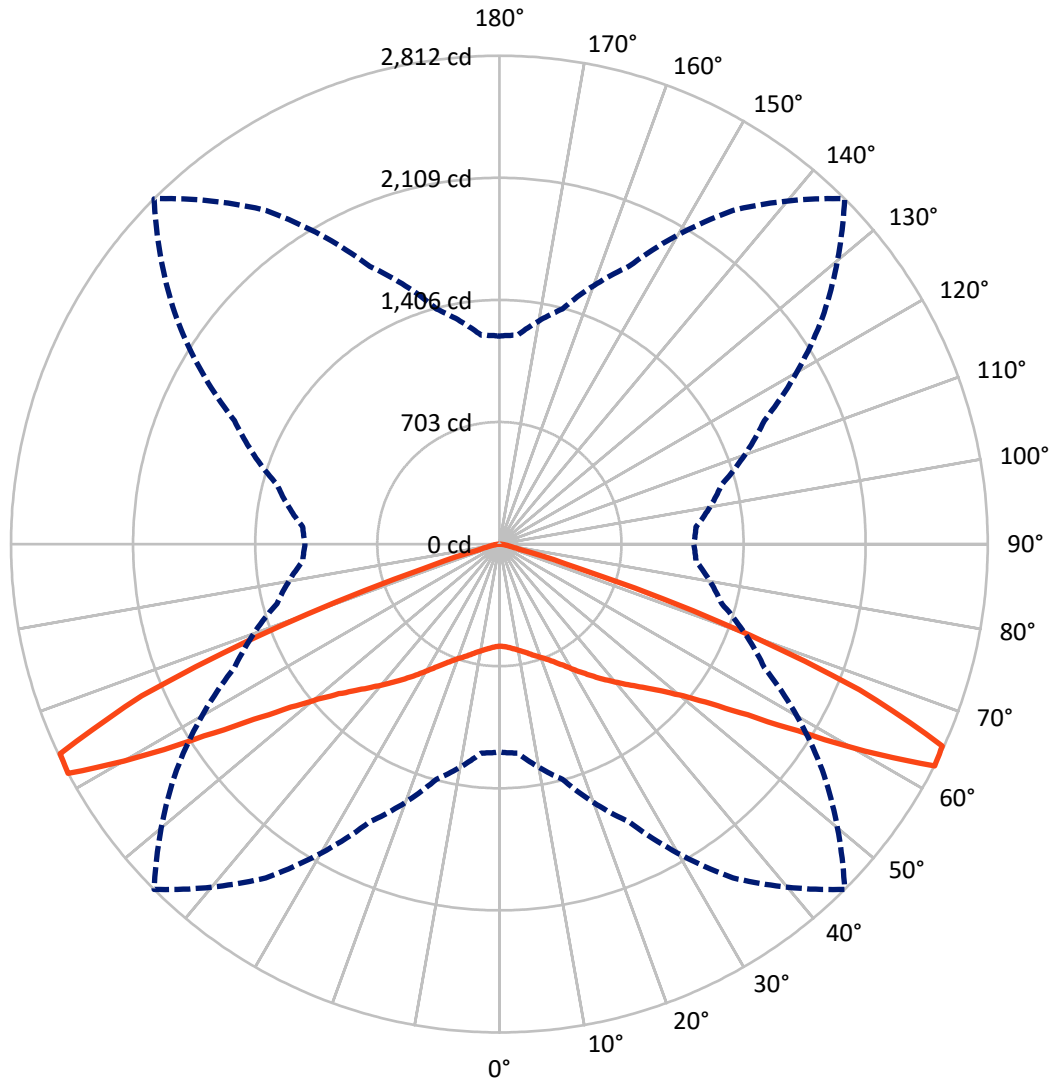
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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CATALOG NUMBER: GWS-SA1D-830-U-5NQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1D-830-U-5NQ-W

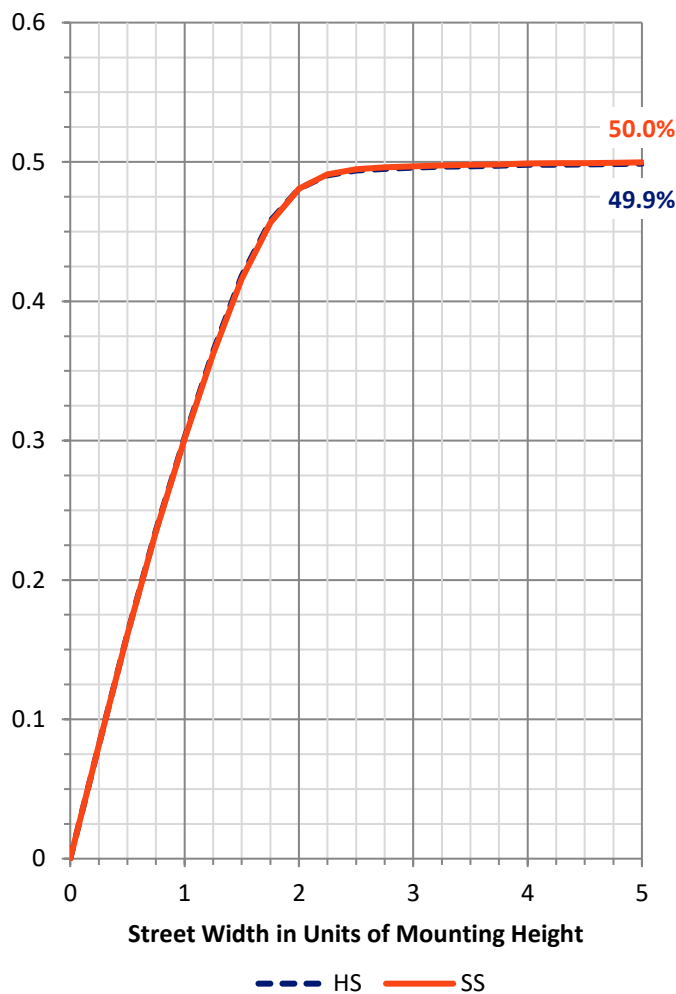
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2517.3	0.0	2517.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2517.3	0.0	2517.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5034.7	0.0	5034.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	1.1
10°-20°	185.8	3.7
20°-30°	351.6	7.0
30°-40°	591.8	11.8
40°-50°	945.5	18.8
50°-60°	1524.1	30.3
60°-70°	1243.5	24.7
70°-80°	120.8	2.4
80°-90°	14.0	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5034.7	100.0
0°-180°	5034.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630538

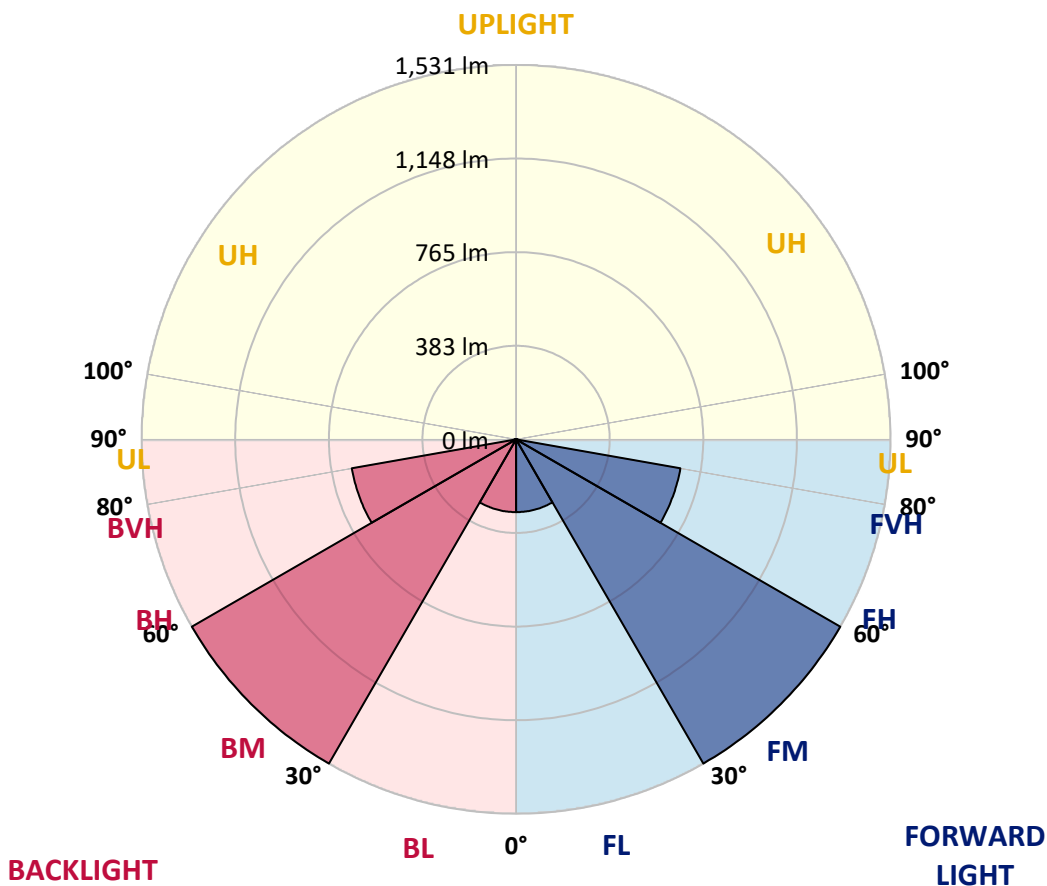
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.5	5.9			
FM (30°-60°)	1530.7	30.4			
FH (60°-80°)	682.1	13.5			G1/1800
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	297.5	5.9	B1/500		
BM (30°-60°)	1530.7	30.4	B2/2500		
BH (60°-80°)	682.1	13.5	B2/1000		G1/1800
BVH (80°-90°)	7.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	586.7	586.7	588.1	589.1	588.4	591.2	590.8	590.1	589.8	588.7	591.9
5°	594.6	594.6	595.7	596.7	595.0	598.4	597.0	596.3	596.0	594.6	597.4
7.5°	603.6	604.6	605.0	606.7	605.7	609.5	608.4	607.0	606.4	604.6	607.0
10°	613.6	614.3	614.6	617.8	618.1	622.6	621.6	619.8	618.4	616.7	620.2
12.5°	627.1	627.4	628.5	632.3	633.3	636.7	636.4	634.0	632.3	629.8	633.6
15°	644.3	644.7	646.4	650.2	651.9	656.1	654.7	650.9	648.5	645.7	648.8
17.5°	662.3	663.7	665.4	669.2	671.6	676.5	674.7	670.6	668.5	665.8	667.8
20°	685.4	685.8	686.8	691.0	692.7	698.2	698.6	694.4	693.4	690.6	693.7
22.5°	711.0	711.3	712.4	716.9	720.0	723.4	725.5	723.1	721.3	717.9	721.7
25°	739.3	742.8	743.8	749.3	752.8	754.8	757.3	756.2	753.8	749.7	751.4
27.5°	779.0	779.7	781.4	787.6	789.7	791.8	794.2	794.5	791.1	786.3	788.7
30°	824.2	823.9	827.7	832.5	834.3	836.0	839.4	841.5	837.0	831.8	834.3
32.5°	870.5	874.7	879.5	884.0	882.9	883.6	889.2	893.0	886.7	877.4	879.5
35°	922.7	925.4	931.6	938.2	936.8	935.8	939.2	943.0	934.4	922.3	925.4
37.5°	976.2	980.3	989.6	997.6	995.5	990.7	994.5	998.6	990.3	976.5	975.1
40°	1035.9	1042.5	1055.9	1062.5	1057.0	1047.7	1054.2	1064.2	1055.9	1040.1	1036.3
42.5°	1106.0	1114.0	1127.4	1137.4	1125.4	1110.2	1121.2	1135.7	1133.6	1112.6	1106.0
45°	1192.7	1197.9	1214.4	1219.3	1201.3	1180.3	1200.3	1222.4	1217.2	1194.4	1185.8
47.5°	1287.0	1294.9	1309.4	1318.4	1289.4	1263.1	1291.1	1320.8	1315.3	1293.9	1283.8
50°	1407.1	1417.5	1436.5	1444.1	1404.0	1374.0	1409.9	1447.5	1436.8	1408.2	1395.0
52.5°	1538.0	1546.3	1578.7	1593.9	1556.3	1523.8	1555.3	1592.2	1569.4	1531.4	1513.8
55°	1653.3	1661.6	1709.3	1759.7	1758.0	1735.5	1751.4	1752.1	1690.3	1627.4	1608.8
57.5°	1678.2	1686.5	1777.3	1909.2	2002.4	2028.3	1981.7	1883.6	1727.9	1617.8	1596.7
60°	1545.6	1554.9	1699.3	1940.3	2246.9	2419.9	2205.1	1880.9	1611.5	1462.4	1442.3
62.5°	1197.5	1207.5	1401.6	1763.5	2345.7	2811.8	2270.0	1683.0	1325.6	1136.7	1119.1
65°	571.8	571.8	818.4	1264.9	2148.8	2802.5	2082.2	1245.2	798.0	612.9	597.7
67.5°	141.6	142.3	210.6	492.4	1461.7	2236.5	1485.5	597.7	281.1	198.9	193.7
70°	88.4	88.1	97.7	133.3	511.4	1357.4	607.4	180.2	114.3	100.8	100.1
72.5°	68.7	68.7	73.6	85.3	134.0	462.4	177.1	100.1	82.9	74.6	74.6
75°	54.2	54.2	57.7	63.9	79.1	119.1	94.3	74.2	64.2	58.7	58.0
77.5°	40.4	41.1	43.9	48.0	53.9	67.0	59.7	55.9	50.1	45.9	44.5
80°	26.2	27.3	30.7	33.1	35.2	44.2	39.0	40.7	38.0	33.1	32.5
82.5°	14.2	14.5	18.6	19.3	20.0	24.2	24.9	25.9	26.9	21.1	19.7
85°	5.2	5.2	6.2	7.3	7.9	8.6	11.7	14.5	15.2	12.1	11.7
87.5°	1.0	1.0	1.0	0.7	0.7	0.7	2.1	3.8	6.2	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)