

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: P630541

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-830-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

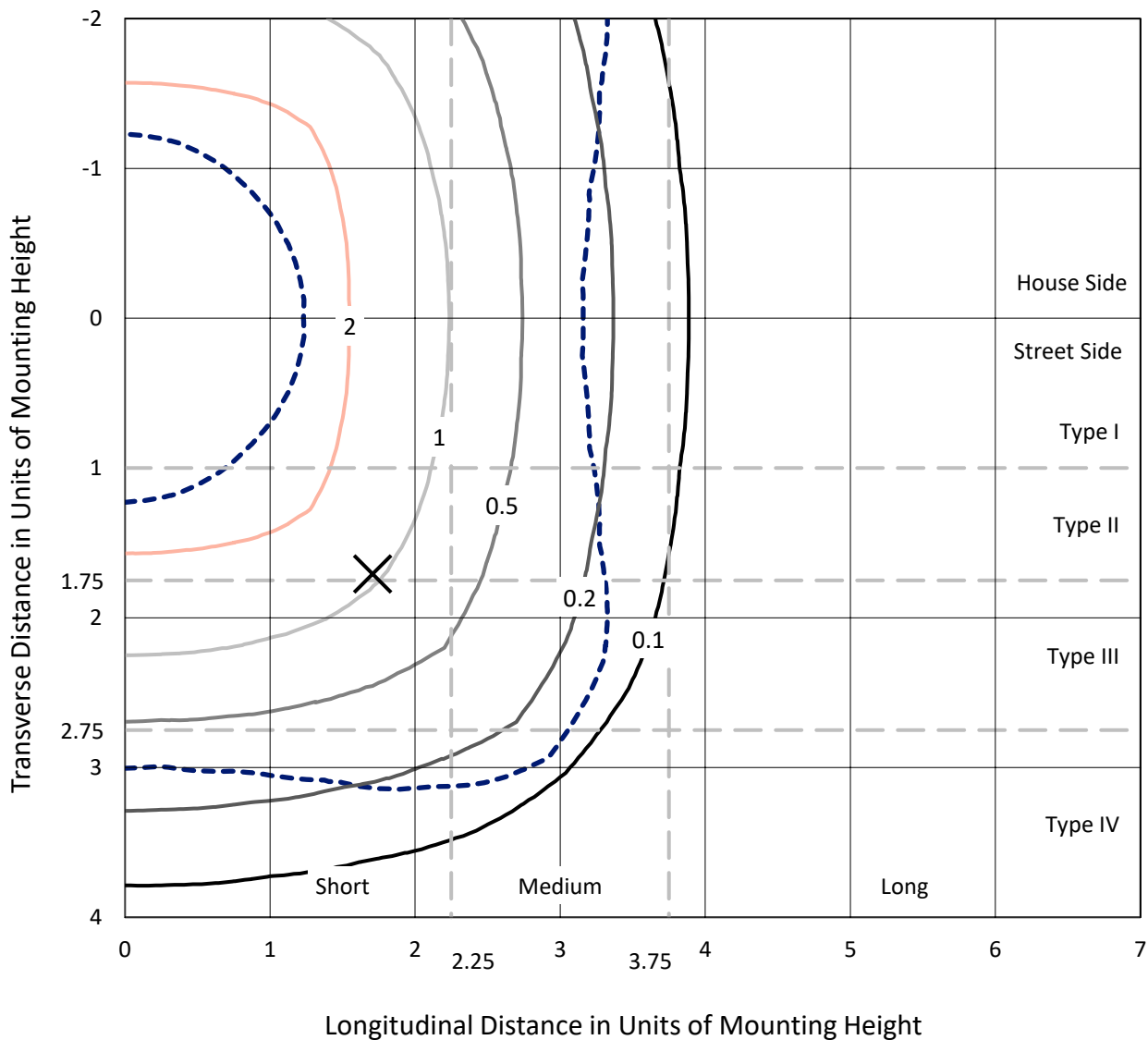
Lumens per Lamp: N/A  
Luminaire Lumens: 4883.5 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P630541  
 CATALOG NUMBER: GWS-SA1D-830-U-5WQ-W

### Iso-Footcandle Lines of Horizontal Illumination

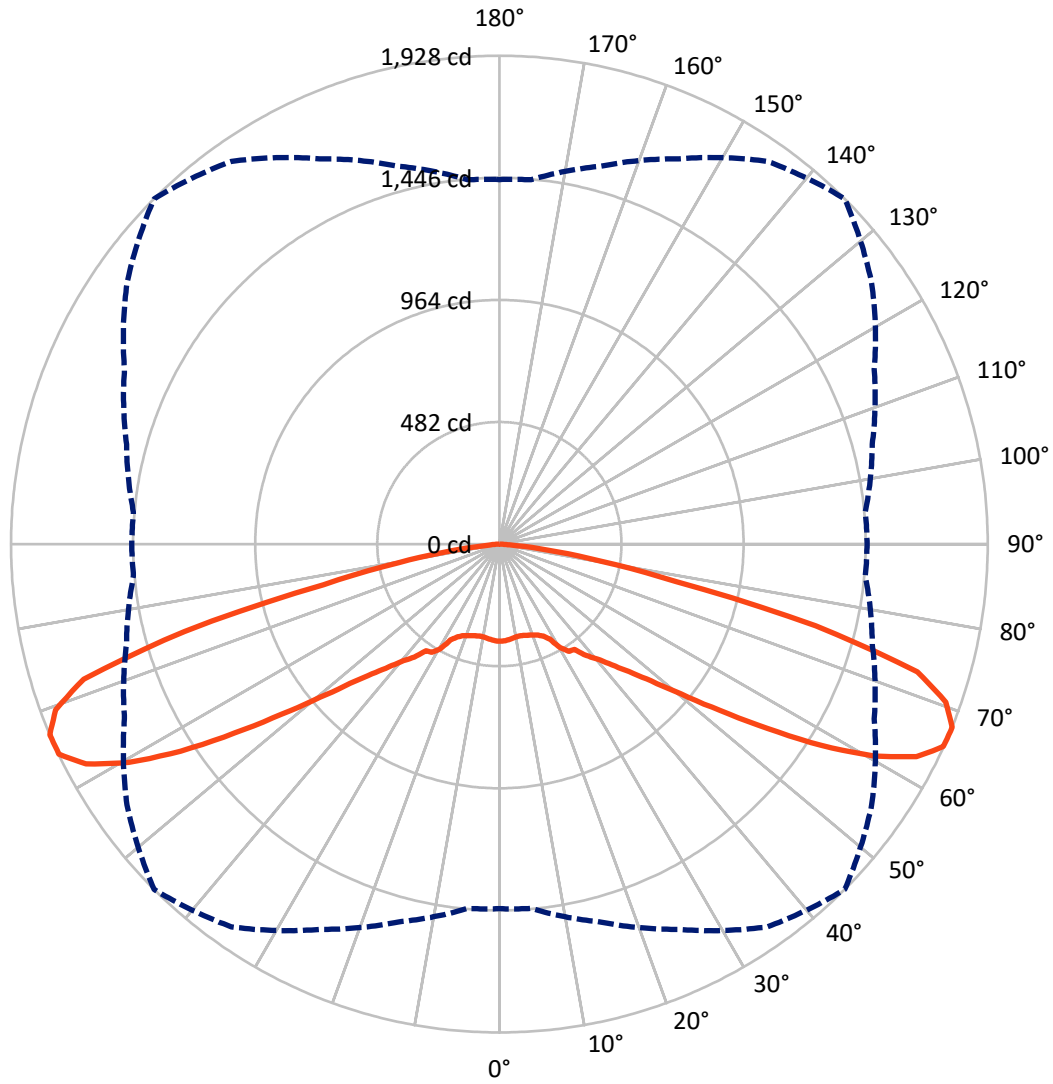
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P630541  
CATALOG NUMBER: GWS-SA1D-830-U-5WQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630541

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

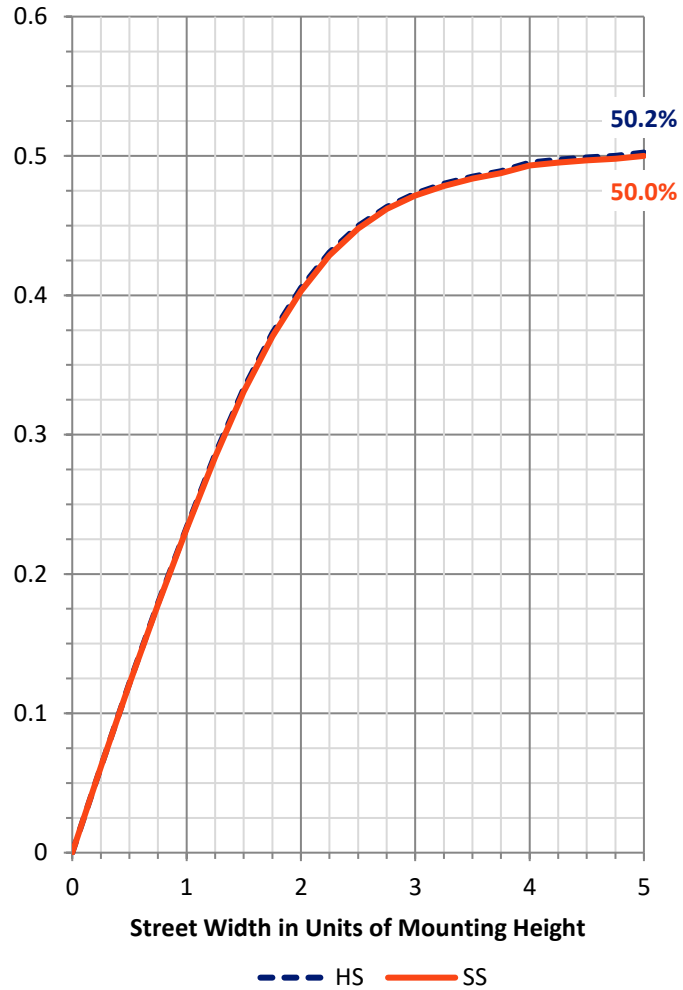
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2441.8	0.0	2441.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2441.8	0.0	2441.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4883.5	0.0	4883.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.0	0.7
10°-20°	106.7	2.2
20°-30°	191.4	3.9
30°-40°	323.4	6.6
40°-50°	568.1	11.6
50°-60°	1096.0	22.4
60°-70°	1590.1	32.6
70°-80°	909.8	18.6
80°-90°	62.1	1.3
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°	4883.5	100.0
0°-180°	4883.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630541

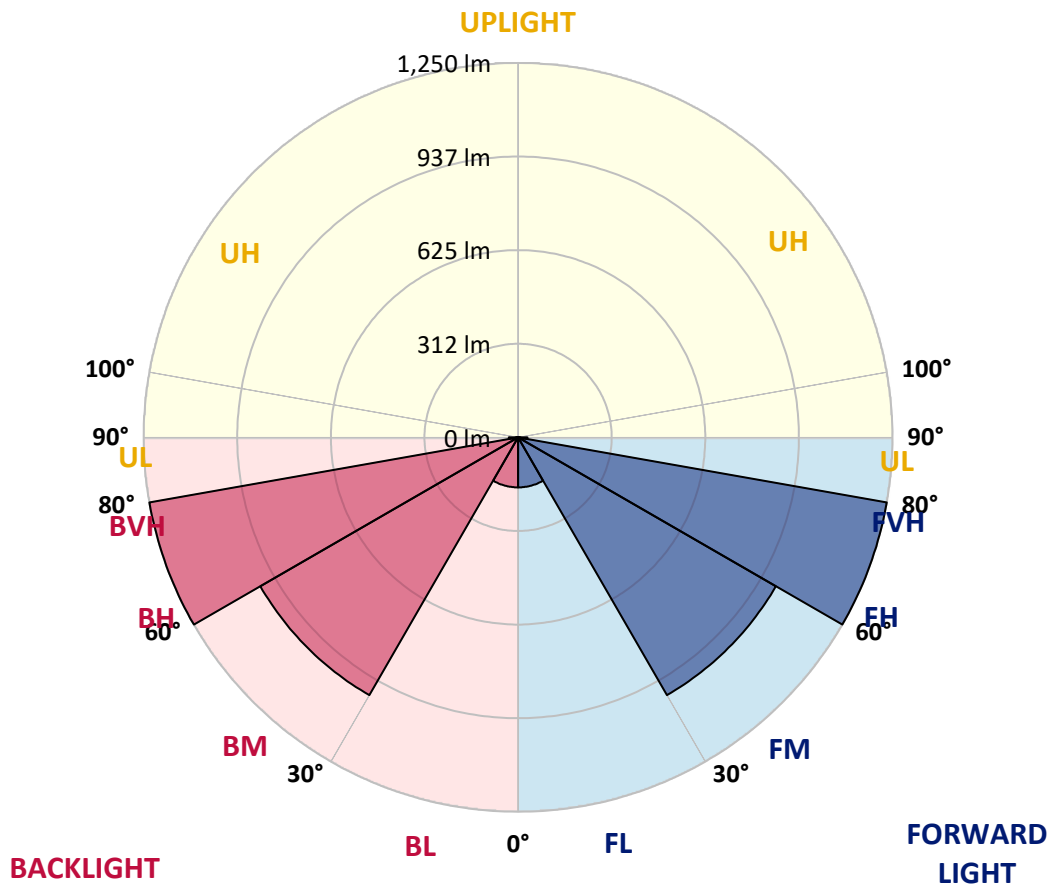
CATALOG NUMBER: GWS-SA1D-830-U-5WQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.0	3.4			
FM (30°-60°)	993.7	20.3			
FH (60°-80°)	1249.9	25.6			G1/1800
FVH (80°-90°)	31.0	0.6			G1/100
BL (0°-30°)	167.0	3.4	B1/500		
BM (30°-60°)	993.7	20.3	B1/1000		
BH (60°-80°)	1249.9	25.6	B3/2500		G1/1800
BVH (80°-90°)	31.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





REPORT NUMBER: P630541  
 CATALOG NUMBER: GWS-SA1D-830-U-5WQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0
2.5°	379.9	380.2	380.9	380.9	381.6	382.6	383.0	382.3	382.6	380.9	382.6
5°	378.8	379.2	379.5	378.8	378.8	379.2	379.2	378.5	378.8	377.1	378.8
7.5°	376.4	376.8	376.8	375.7	374.7	375.4	375.4	374.7	375.0	373.3	375.4
10°	374.3	374.3	374.0	371.9	370.9	371.9	372.3	372.6	374.0	372.6	375.0
12.5°	375.7	375.7	374.7	371.9	370.2	370.9	371.6	372.3	374.7	374.3	377.1
15°	379.5	379.9	377.1	374.0	373.0	374.0	373.3	373.0	376.1	377.1	380.2
17.5°	382.6	382.6	379.2	376.1	376.4	378.1	376.8	375.0	378.1	380.2	383.7
20°	385.4	385.0	381.2	379.2	380.5	383.0	381.9	379.5	381.6	384.0	387.1
22.5°	392.3	391.9	387.8	386.8	388.1	390.6	389.5	387.5	389.9	393.3	397.1
25°	412.0	411.3	405.1	401.6	400.9	402.6	402.3	401.6	405.4	409.6	414.0
27.5°	438.2	437.9	433.4	429.9	425.4	424.1	425.1	428.2	433.7	436.8	440.6
30°	451.3	451.3	450.6	456.2	465.8	475.2	467.9	456.2	451.3	450.0	453.8
32.5°	468.6	470.3	467.9	474.1	490.4	504.2	490.4	471.4	467.9	467.9	472.1
35°	508.3	509.0	505.2	504.2	509.4	511.1	504.5	497.6	501.4	502.1	507.3
37.5°	540.1	540.1	538.4	541.1	551.8	558.4	547.7	535.3	536.3	537.0	543.5
40°	589.1	590.5	586.4	586.0	590.2	596.0	584.6	576.7	582.2	583.9	594.0
42.5°	650.2	650.2	644.0	642.3	645.1	651.3	640.6	635.4	642.7	644.0	649.9
45°	723.1	724.8	716.6	713.4	714.8	716.9	709.3	706.9	713.8	716.9	727.3
47.5°	811.9	813.6	806.3	806.0	804.6	806.0	798.7	797.4	802.9	800.5	811.5
50°	921.3	924.4	918.2	926.9	925.8	930.0	919.9	912.7	912.7	906.1	912.4
52.5°	1043.9	1050.1	1053.2	1067.7	1078.8	1089.2	1072.6	1061.2	1044.6	1031.1	1048.1
55°	1177.6	1175.8	1195.5	1227.3	1259.7	1284.3	1251.8	1215.9	1189.0	1161.0	1167.5
57.5°	1294.6	1300.5	1326.4	1384.4	1448.6	1500.4	1442.1	1373.0	1311.9	1271.8	1277.4
60°	1392.0	1396.8	1431.4	1514.9	1627.2	1698.7	1606.1	1492.2	1403.4	1348.2	1354.0
62.5°	1481.8	1486.3	1521.2	1613.4	1754.9	1848.2	1728.7	1573.0	1474.2	1418.6	1422.1
65°	1533.6	1536.4	1584.0	1681.0	1830.2	1926.6	1791.9	1631.3	1534.3	1477.6	1479.7
67.5°	1439.3	1443.8	1544.3	1678.3	1844.7	1928.0	1794.7	1633.0	1523.9	1450.0	1451.7
70°	1135.4	1131.6	1251.5	1481.8	1761.5	1869.9	1714.9	1510.5	1341.9	1238.7	1237.0
72.5°	865.7	866.8	933.4	1091.2	1436.2	1725.6	1513.2	1216.2	1034.6	956.2	953.1
75°	627.8	637.5	691.7	807.4	1004.6	1289.8	1139.2	901.3	779.7	732.8	725.9
77.5°	282.8	295.3	370.9	506.9	671.7	712.8	715.5	611.9	461.7	383.7	371.6
80°	82.5	88.4	113.6	194.4	312.9	404.4	321.2	270.0	168.2	131.9	125.7
82.5°	34.9	39.7	48.7	53.9	90.8	187.5	116.7	74.2	69.1	55.9	51.1
85°	14.8	15.9	20.4	21.8	29.4	40.1	36.9	33.5	32.1	24.9	22.8
87.5°	6.2	6.2	6.2	5.5	5.2	5.5	7.6	9.7	12.8	10.0	9.3
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)