

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: P630533

Luminaire Tested: GWS-SA1D-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

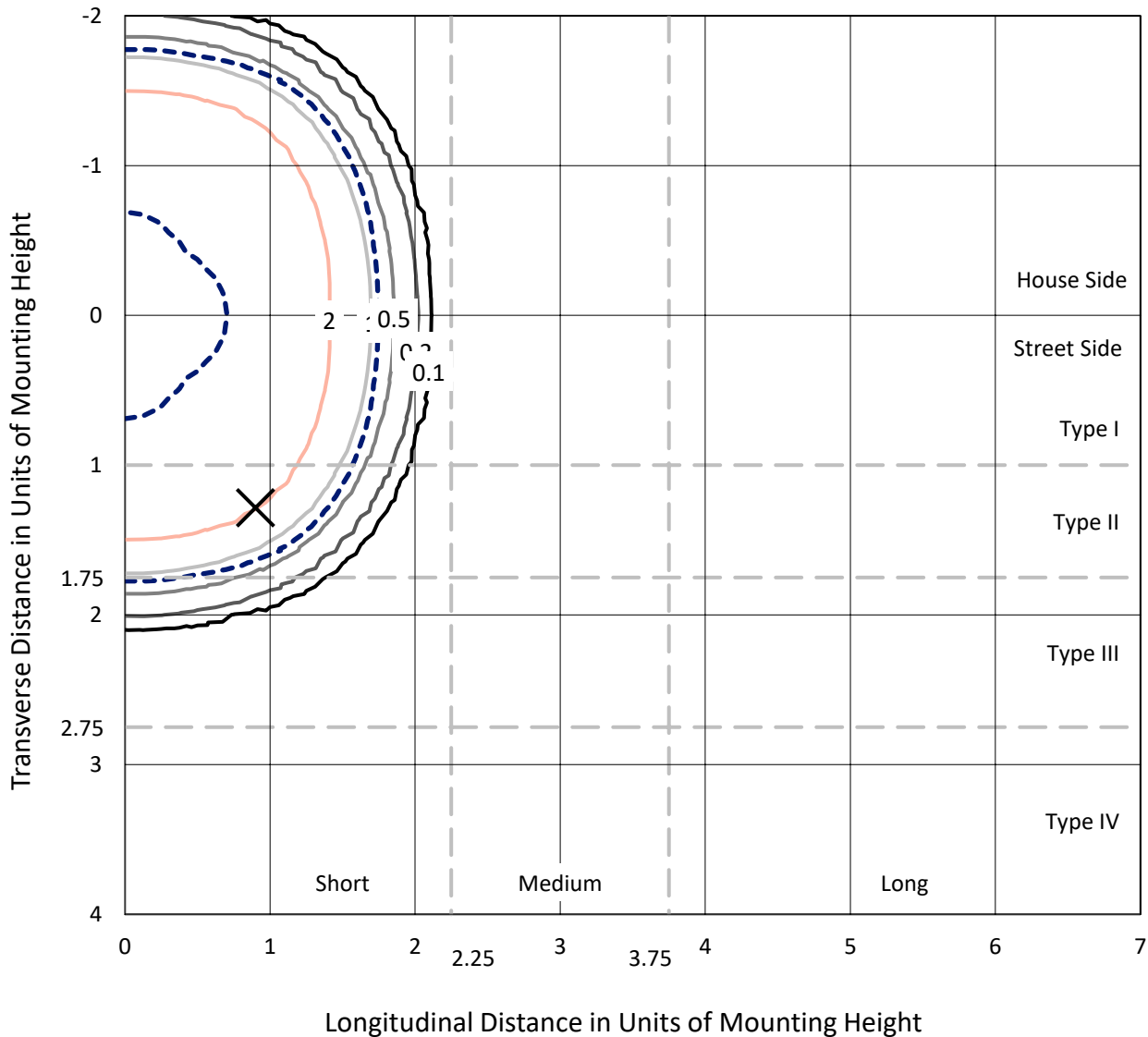
Lumens per Lamp: N/A  
Luminaire Lumens: 2943.1 lumens  
Efficiency: N/A  
Efficacy: 66.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

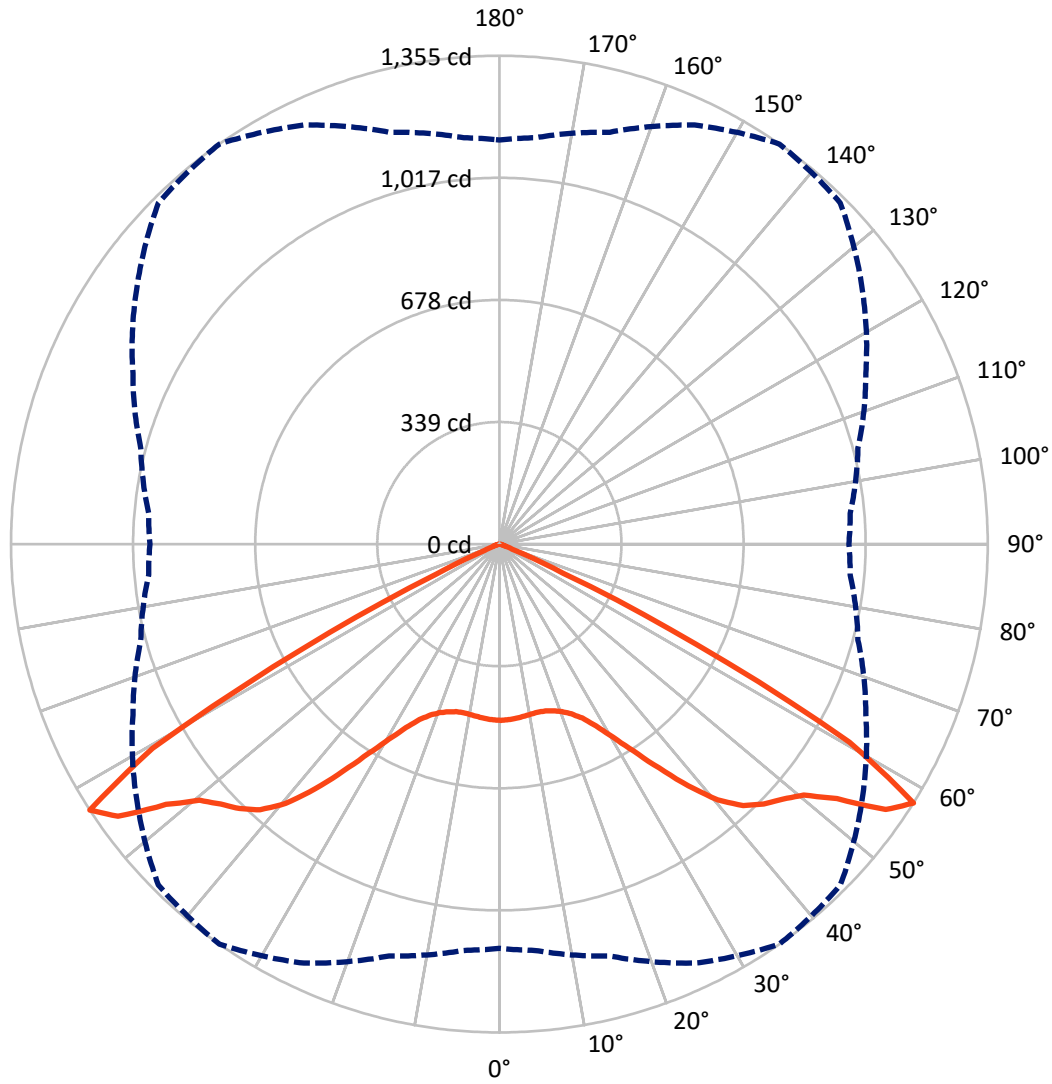
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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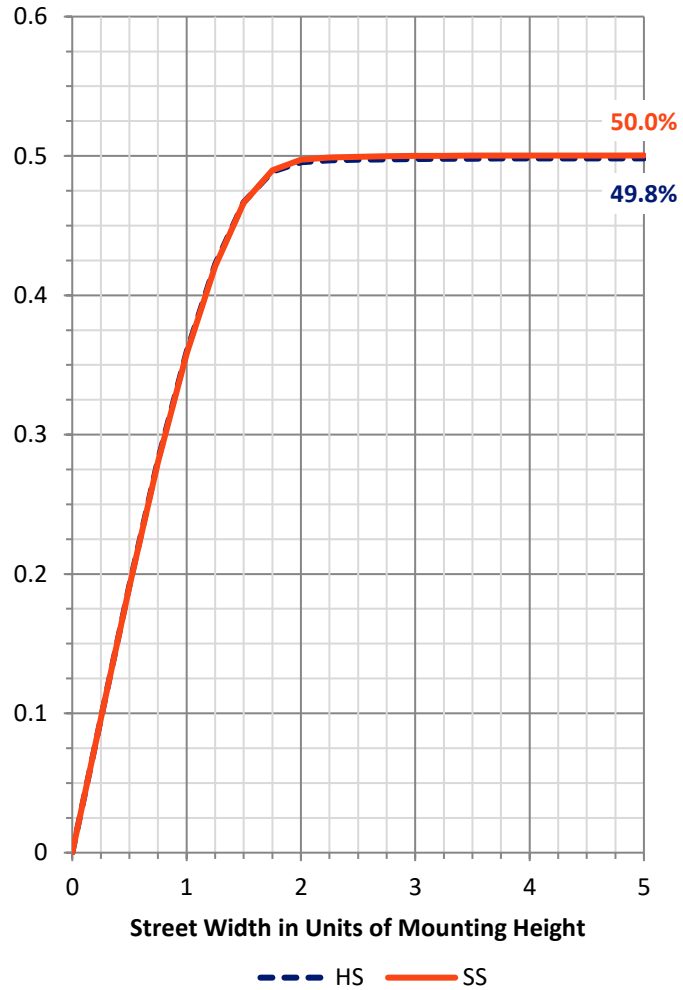
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1471.5	0.0	1471.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1471.5	0.0	1471.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2943.1	0.0	2943.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.1	1.6
10°-20°	135.6	4.6
20°-30°	245.1	8.3
30°-40°	457.3	15.5
40°-50°	767.1	26.1
50°-60°	1013.1	34.4
60°-70°	269.0	9.1
70°-80°	9.6	0.3
80°-90°	0.2	0.0
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°	2943.1	100.0
0°-180°	2943.1	100.0

**Coefficient of Utilization**



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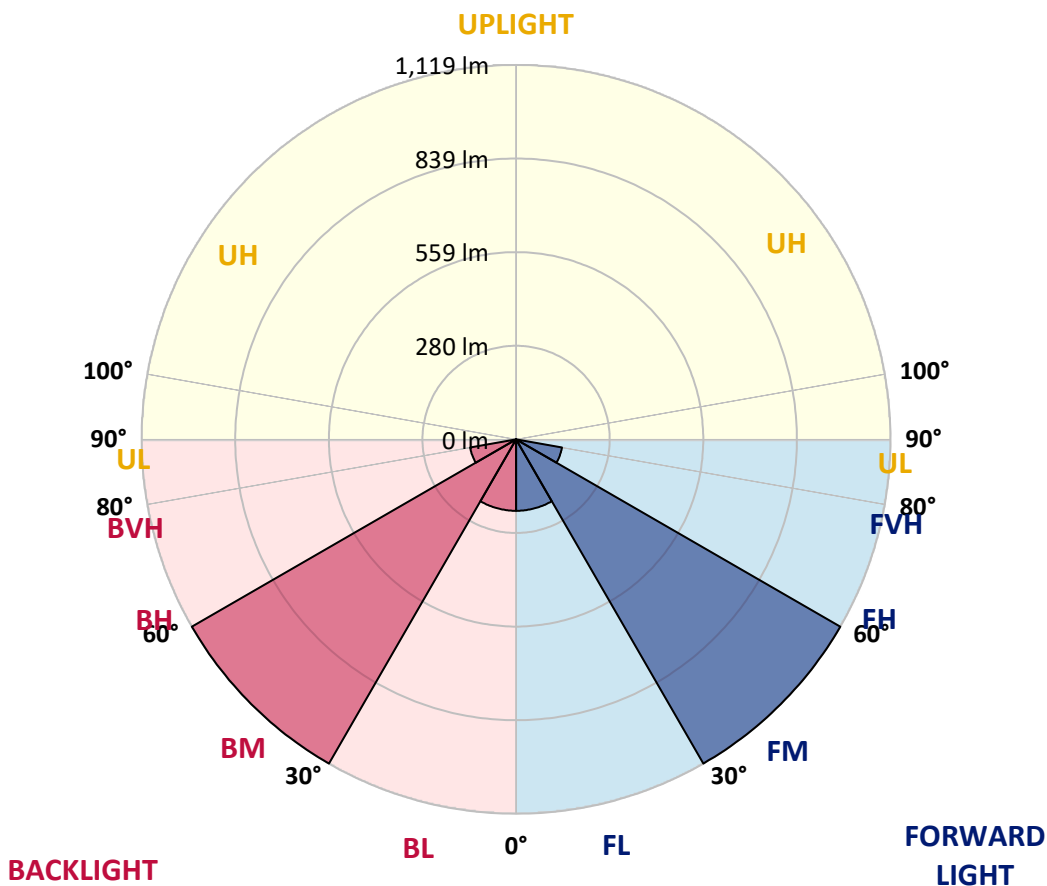
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.4	7.3			
FM (30°-60°)	1118.7	38.0			
FH (60°-80°)	139.3	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	213.4	7.3	B1/500		
BM (30°-60°)	1118.7	38.0	B2/2500		
BH (60°-80°)	139.3	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3
2.5°	485.9	485.5	486.9	487.9	487.9	490.4	489.7	489.0	488.3	487.2	489.7
5°	485.2	484.8	485.9	486.6	485.9	487.9	486.6	485.2	484.5	483.1	485.9
7.5°	482.1	482.4	483.1	483.8	482.8	484.5	482.8	480.7	479.0	477.6	480.0
10°	477.2	477.6	478.3	479.6	480.0	482.4	480.0	476.2	473.8	471.7	474.1
12.5°	474.8	475.2	476.2	477.9	478.3	481.4	478.3	472.7	469.3	466.9	469.3
15°	475.5	476.2	477.6	479.6	480.3	483.4	479.3	472.1	467.2	464.1	466.2
17.5°	477.9	478.6	480.7	484.1	486.6	489.7	484.5	475.2	468.6	464.1	466.2
20°	481.0	482.1	485.5	491.0	496.2	501.7	495.2	482.4	473.8	468.3	470.0
22.5°	489.7	490.7	495.5	502.8	511.4	518.3	510.4	494.2	482.4	475.2	476.9
25°	507.3	508.3	514.5	523.8	534.9	543.9	533.9	513.5	498.3	490.0	490.7
27.5°	534.9	535.9	543.2	556.3	571.2	583.9	569.4	545.6	528.3	518.7	518.7
30°	569.8	571.2	580.8	598.4	621.6	638.5	618.8	589.8	567.7	554.6	554.9
32.5°	614.7	613.3	627.1	651.3	684.1	706.5	677.5	642.3	615.0	596.7	598.4
35°	672.3	672.0	687.5	720.3	763.2	790.1	755.6	710.0	677.2	658.5	658.9
37.5°	746.6	746.2	764.2	799.8	851.2	873.7	835.0	788.7	753.5	735.5	737.6
40°	833.6	831.5	847.4	881.6	933.1	947.6	905.4	868.1	834.3	822.9	828.4
42.5°	916.5	912.0	921.3	952.4	992.1	994.2	962.4	936.9	913.7	904.7	908.2
45°	983.1	979.7	988.3	1006.3	1029.1	1018.7	1003.5	995.6	976.9	967.2	970.3
47.5°	1032.8	1032.8	1043.2	1054.3	1057.7	1038.7	1041.1	1041.1	1022.5	1007.3	1003.5
50°	1075.7	1078.8	1094.3	1105.7	1094.3	1070.1	1084.0	1081.2	1043.2	1012.8	1004.9
52.5°	1144.0	1147.1	1171.0	1186.5	1173.7	1149.9	1151.6	1117.1	1061.2	1025.3	1012.8
55°	1216.6	1224.2	1258.7	1300.1	1300.5	1276.0	1230.4	1169.2	1101.2	1062.2	1049.4
57.5°	1121.6	1132.0	1183.4	1283.2	1355.4	1338.5	1229.7	1122.3	1030.4	977.3	970.0
60°	771.8	789.7	841.2	977.6	1116.8	1123.3	994.9	874.3	769.0	703.4	704.8
62.5°	326.0	344.3	373.3	485.5	613.3	621.2	559.1	472.7	386.8	339.4	346.7
65°	76.7	81.8	90.5	134.3	194.8	203.7	187.9	146.4	108.1	91.5	93.2
67.5°	33.5	34.2	32.5	34.5	42.8	43.9	42.5	37.3	35.2	35.9	35.9
70°	23.5	23.8	22.4	21.4	20.4	19.0	19.7	21.8	23.5	24.9	24.5
72.5°	14.5	14.8	15.2	15.2	14.2	12.8	13.5	14.8	15.2	15.5	15.2
75°	7.3	7.6	8.3	8.6	8.3	7.9	7.9	8.3	8.3	7.9	7.9
77.5°	1.4	1.7	2.4	2.8	2.8	2.8	2.8	2.8	3.1	2.8	2.8
80°	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)