

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: P630040

Luminaire Tested: GWS-SA1C-830-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-830-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

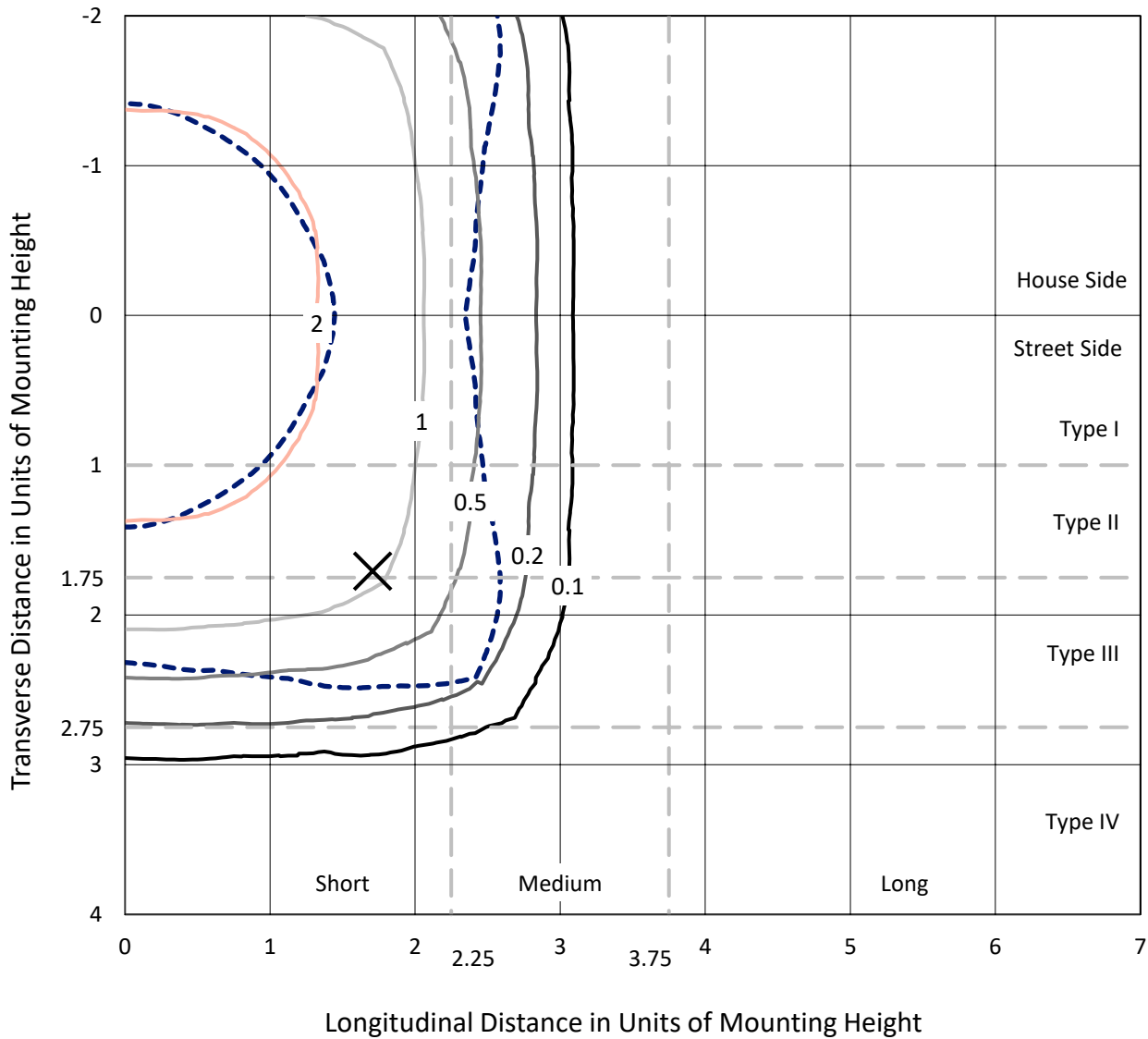
Lumens per Lamp: N/A  
Luminaire Lumens: 3954.2 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

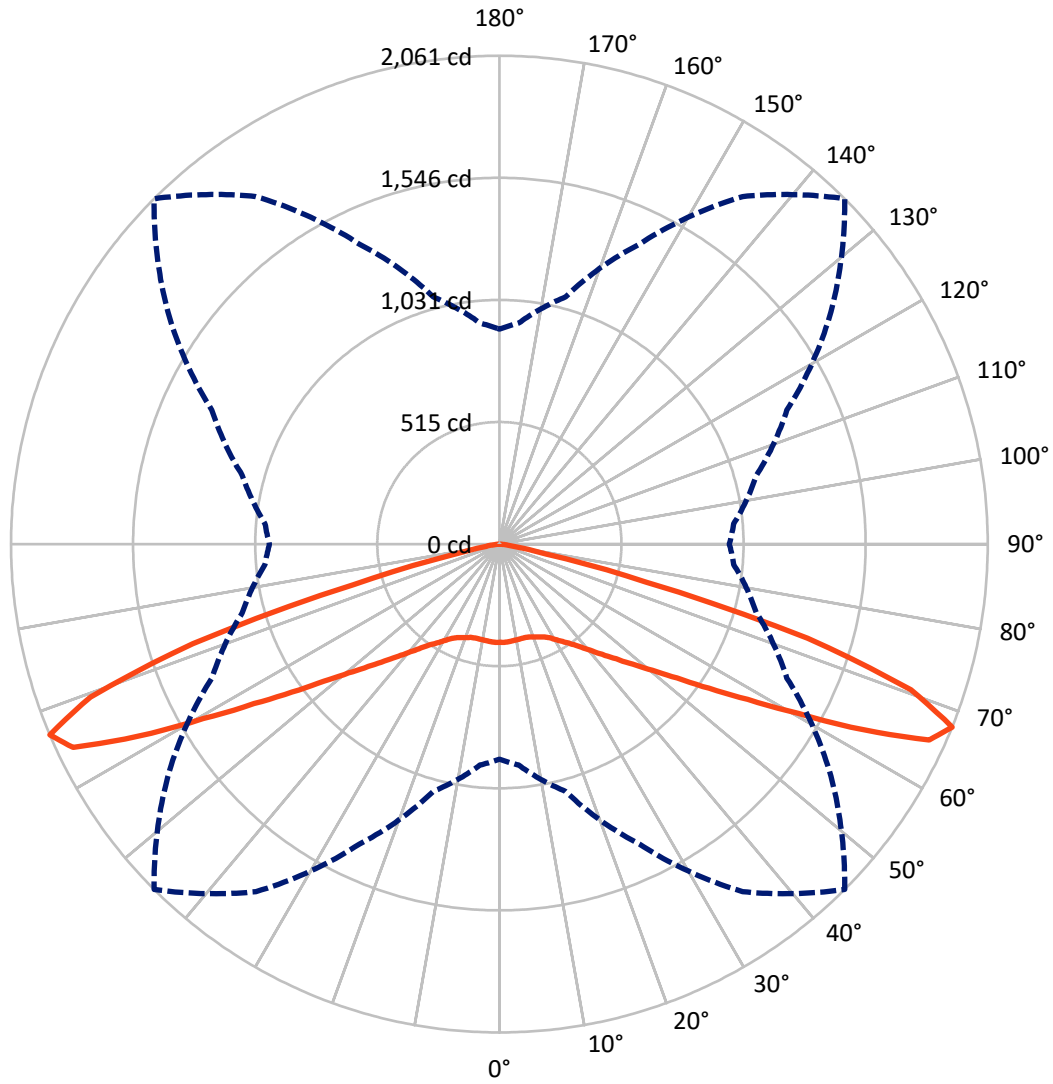
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1977.1	0.0	1977.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1977.1	0.0	1977.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3954.2	0.0	3954.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.2	1.0
10°-20°	115.1	2.9
20°-30°	198.6	5.0
30°-40°	322.9	8.2
40°-50°	543.6	13.7
50°-60°	963.2	24.4
60°-70°	1376.8	34.8
70°-80°	377.9	9.6
80°-90°	16.9	0.4
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°	3954.2	100.0
0°-180°	3954.2	100.0

**Coefficient of Utilization**



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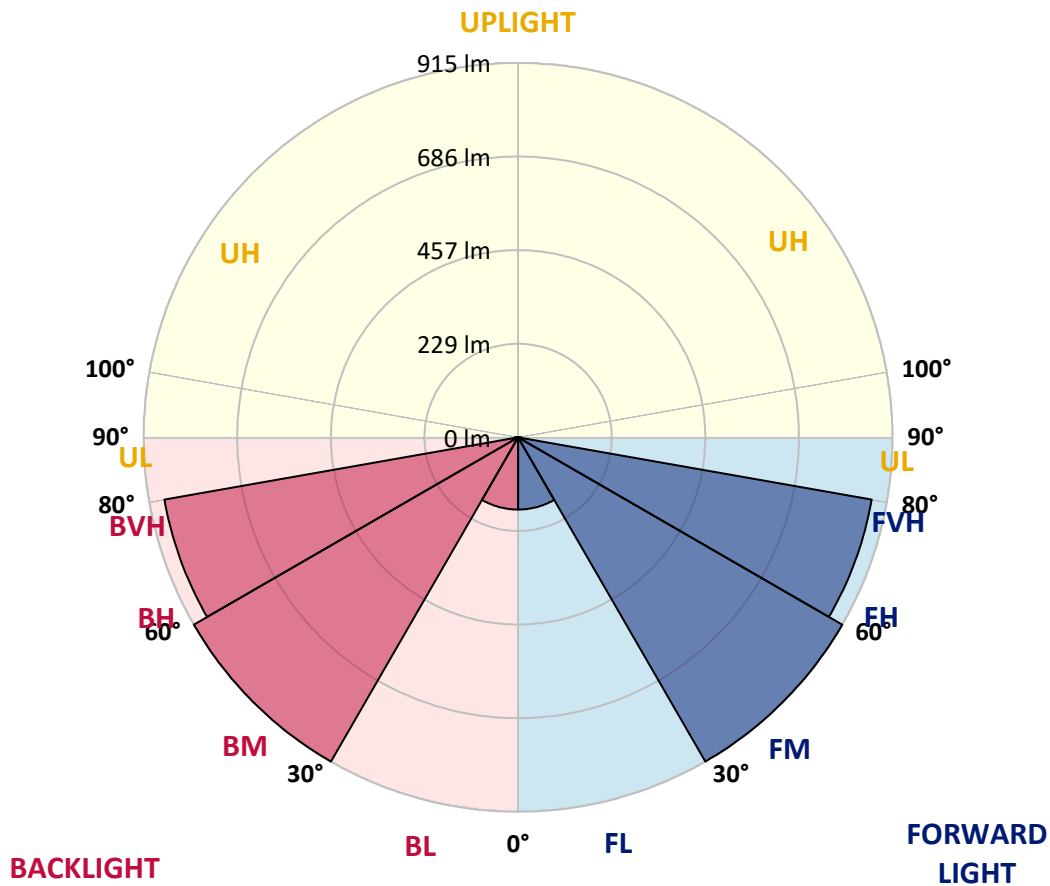
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.4	4.5			
FM (30°-60°)	914.8	23.1			
FH (60°-80°)	877.3	22.2			G1/1800
FVH (80°-90°)	8.5	0.2			G0/10
BL (0°-30°)	176.4	4.5	B1/500		
BM (30°-60°)	914.8	23.1	B1/1000		
BH (60°-80°)	877.3	22.2	B2/1000		G1/1800
BVH (80°-90°)	8.5	0.2			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°	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1
2.5°	411.4	411.1	412.5	413.3	413.0	415.0	414.7	414.1	414.1	413.3	415.5
5°	411.4	411.1	412.2	412.5	411.9	413.6	413.0	412.5	412.5	411.4	413.3
7.5°	409.2	409.5	410.3	410.8	410.3	411.7	410.8	409.8	409.5	408.4	410.3
10°	405.1	405.4	406.2	407.6	407.8	410.3	408.9	407.0	406.2	405.1	407.0
12.5°	402.6	402.9	403.7	405.4	405.9	409.2	407.8	404.8	403.5	402.4	404.3
15°	402.1	402.4	403.5	405.1	405.9	409.2	407.8	404.3	402.4	401.0	402.6
17.5°	402.1	402.6	404.3	406.7	408.4	411.7	410.0	405.9	403.2	400.7	402.4
20°	402.4	403.2	405.6	409.2	413.3	418.0	415.8	410.3	406.5	403.5	404.6
22.5°	404.8	406.2	409.2	413.9	419.9	425.4	423.4	416.0	410.6	406.5	407.6
25°	413.3	413.9	417.7	423.7	429.5	434.1	432.2	425.4	418.5	413.6	415.0
27.5°	428.4	429.7	433.0	439.3	444.2	446.7	446.4	441.8	434.9	430.6	431.7
30°	446.4	447.8	452.2	459.3	464.2	467.0	466.1	462.6	456.3	450.3	451.4
32.5°	467.5	468.1	473.3	481.2	486.4	490.5	487.8	483.9	476.0	468.9	469.4
35°	494.3	495.2	500.6	508.0	512.1	515.4	514.9	511.0	502.5	494.9	496.8
37.5°	528.0	528.5	533.5	542.8	546.1	548.5	549.1	547.2	538.4	528.5	530.5
40°	569.9	570.2	575.6	583.8	587.4	589.0	589.3	589.6	580.6	573.2	572.6
42.5°	618.6	620.0	627.6	635.6	637.2	636.4	639.1	641.9	633.1	623.0	623.8
45°	676.9	677.7	688.1	696.9	693.9	691.1	696.3	701.8	693.9	680.7	676.9
47.5°	745.9	747.5	758.7	767.5	762.6	757.6	766.1	771.9	759.0	745.1	741.5
50°	823.9	825.0	840.9	851.8	846.1	837.0	847.7	853.7	836.5	819.2	811.6
52.5°	916.1	913.9	935.0	954.2	950.6	938.8	947.6	948.7	923.0	898.6	890.9
55°	1028.6	1026.4	1047.5	1068.6	1077.3	1074.3	1070.2	1063.7	1025.6	999.6	992.5
57.5°	1159.7	1152.9	1182.5	1210.9	1230.1	1235.6	1218.0	1202.7	1172.6	1140.6	1132.4
60°	1281.5	1281.3	1328.1	1377.3	1429.9	1451.8	1407.4	1365.8	1298.2	1239.9	1228.2
62.5°	1315.8	1321.5	1398.1	1520.2	1650.0	1727.4	1610.5	1472.9	1342.3	1254.4	1238.8
65°	1231.4	1245.7	1354.6	1547.3	1803.5	1992.9	1729.1	1475.3	1293.3	1183.8	1167.4
67.5°	907.6	936.1	1080.4	1396.2	1790.4	2061.1	1708.0	1338.7	1123.3	993.0	970.3
70°	447.8	474.9	589.3	918.6	1473.1	1842.4	1477.8	1008.9	758.7	633.4	612.6
72.5°	164.8	175.7	220.6	393.1	812.9	1360.9	1010.6	563.6	367.6	292.6	278.6
75°	80.7	82.7	89.5	131.9	300.0	640.5	474.9	216.2	135.2	117.7	113.9
77.5°	51.5	52.3	55.6	63.0	96.3	201.7	144.0	85.4	66.2	63.5	63.5
80°	28.7	29.6	33.9	39.1	45.2	69.3	51.7	51.2	43.5	38.0	37.2
82.5°	13.7	15.1	21.6	21.3	23.8	34.8	30.4	27.6	27.9	21.1	20.0
85°	6.3	6.3	8.5	10.1	10.7	11.8	14.0	15.9	15.6	10.7	11.5
87.5°	3.0	3.0	3.0	2.7	2.5	2.2	3.0	4.9	7.1	4.9	4.7
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)