

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: P630810

Luminaire Tested: GWS-SA1E-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630810  
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-SA1E-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

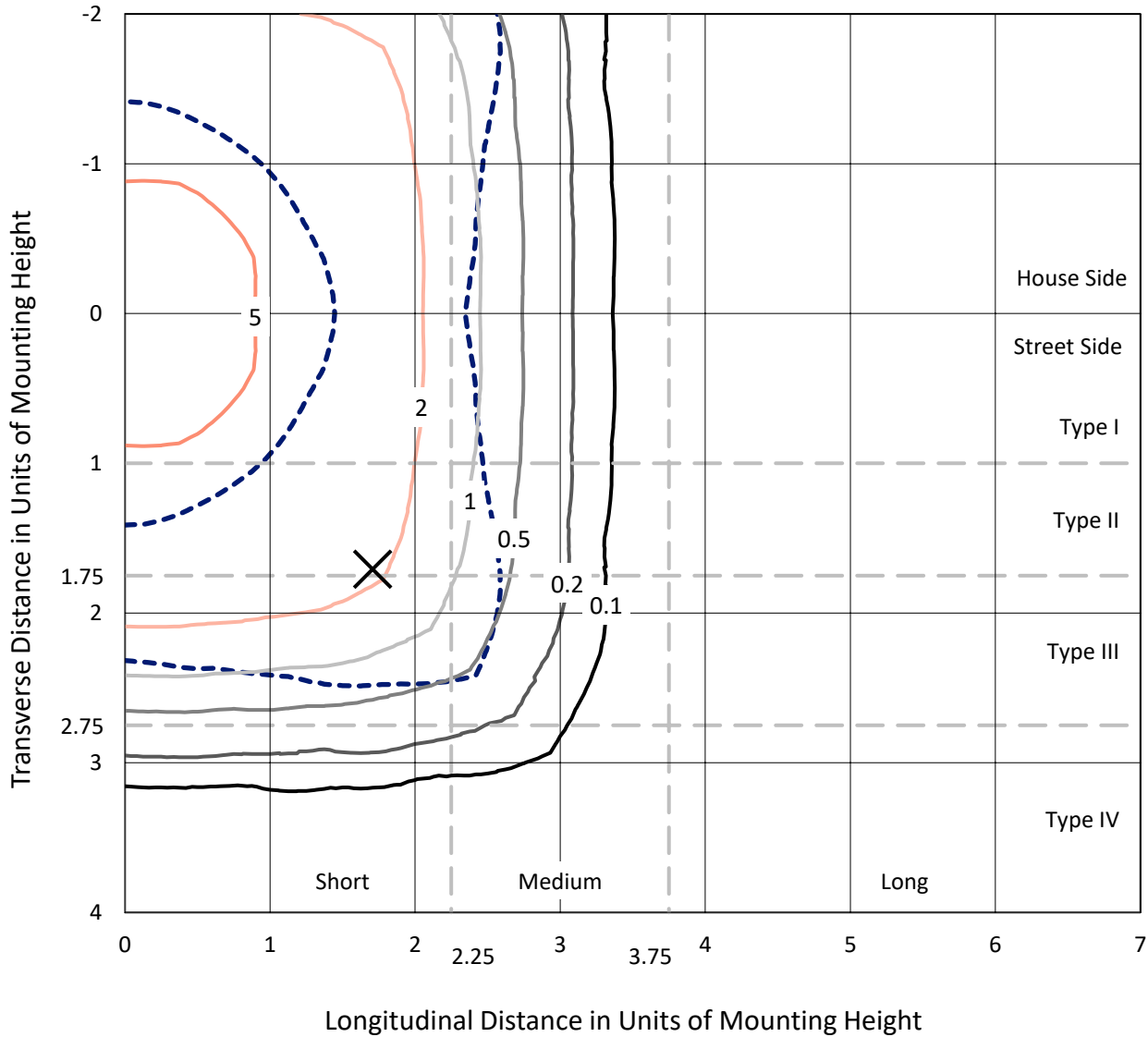
Lumens per Lamp: N/A  
Luminaire Lumens: 7847.3 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

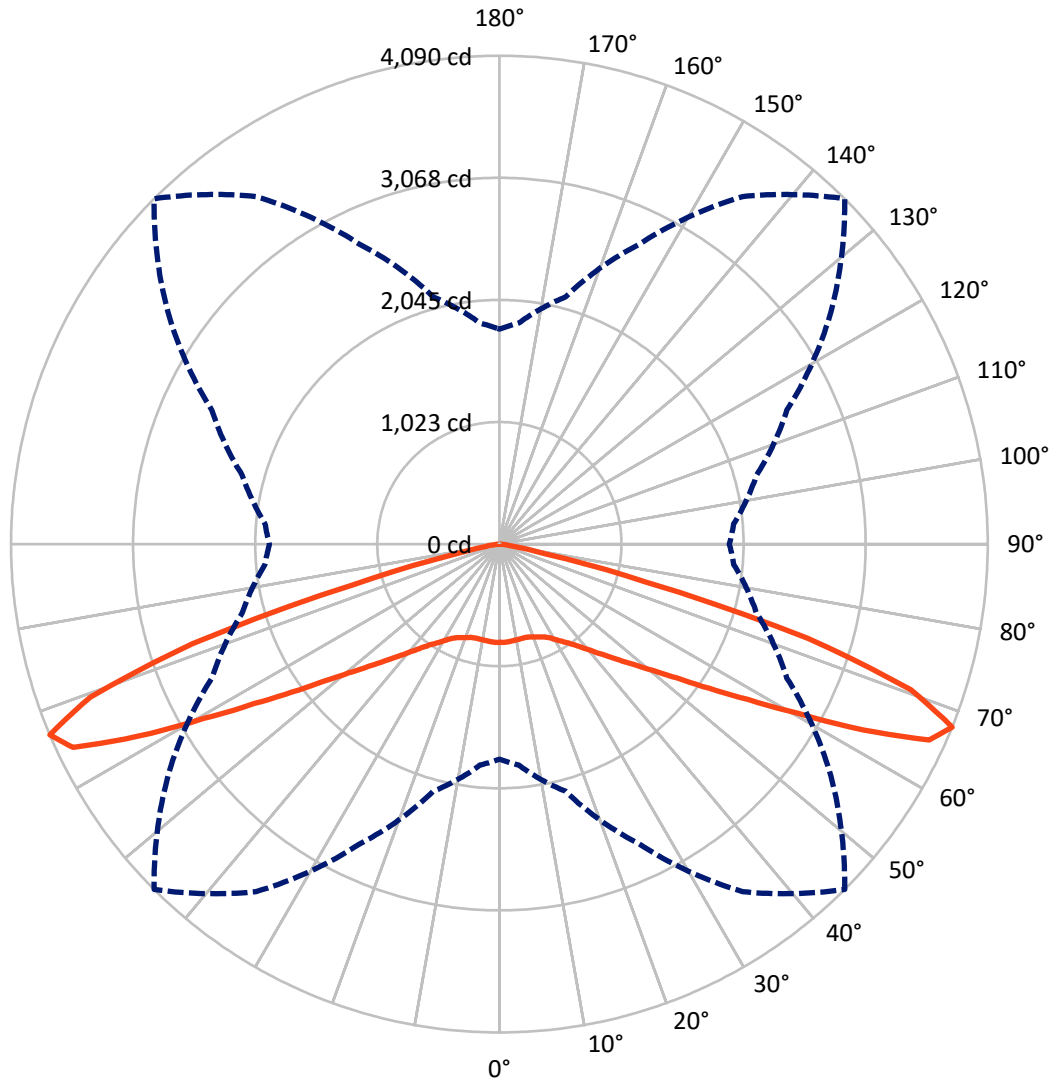
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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	3923.7	0.0	3923.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3923.7	0.0	3923.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7847.3	0.0	7847.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.8	1.0
10°-20°	228.5	2.9
20°-30°	394.0	5.0
30°-40°	640.7	8.2
40°-50°	1078.8	13.7
50°-60°	1911.5	24.4
60°-70°	2732.4	34.8
70°-80°	749.9	9.6
80°-90°	33.6	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°	7847.3	100.0
0°-180°	7847.3	100.0

**Coefficient of Utilization**



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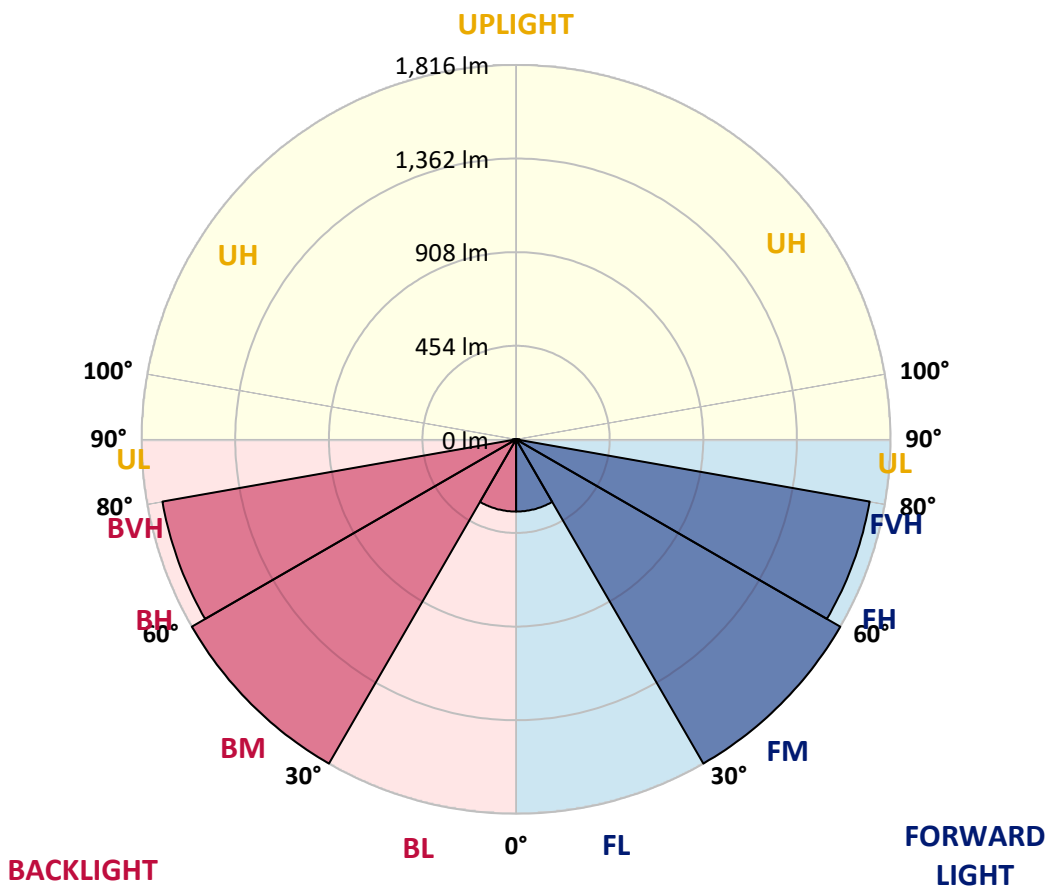
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.1	4.5			
FM (30°-60°)	1815.5	23.1			
FH (60°-80°)	1741.2	22.2			G1/1800
FVH (80°-90°)	16.8	0.2			G1/100
BL (0°-30°)	350.1	4.5	B1/500		
BM (30°-60°)	1815.5	23.1	B2/2500		
BH (60°-80°)	1741.2	22.2	B3/2500		G1/1800
BVH (80°-90°)	16.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	821.9	821.9	821.9	821.9	821.9	821.9	821.9	821.9	821.9	821.9	821.9
2.5°	816.4	815.9	818.6	820.2	819.7	823.5	823.0	821.9	821.9	820.2	824.6
5°	816.4	815.9	818.1	818.6	817.5	820.8	819.7	818.6	818.6	816.4	820.2
7.5°	812.1	812.6	814.3	815.3	814.3	817.0	815.3	813.2	812.6	810.5	814.3
10°	803.9	804.5	806.1	808.8	809.4	814.3	811.5	807.7	806.1	803.9	807.7
12.5°	799.1	799.6	801.2	804.5	805.6	812.1	809.4	803.4	800.7	798.5	802.3
15°	798.0	798.5	800.7	803.9	805.6	812.1	809.4	802.3	798.5	795.8	799.1
17.5°	798.0	799.1	802.3	807.2	810.5	817.0	813.7	805.6	800.1	795.2	798.5
20°	798.5	800.1	805.0	812.1	820.2	829.5	825.1	814.3	806.7	800.7	802.9
22.5°	803.4	806.1	812.1	821.3	833.3	844.1	840.3	825.7	814.8	806.7	808.8
25°	820.2	821.3	828.9	840.9	852.3	861.5	857.7	844.1	830.6	820.8	823.5
27.5°	850.1	852.8	859.3	871.8	881.6	886.5	886.0	876.7	863.1	854.5	856.6
30°	886.0	888.7	897.4	911.5	921.3	926.7	925.1	918.0	905.5	893.6	895.7
32.5°	927.8	928.9	939.2	955.0	965.3	973.4	968.0	960.4	944.6	930.5	931.6
35°	981.0	982.7	993.5	1008.2	1016.3	1022.9	1021.8	1014.2	997.3	982.1	985.9
37.5°	1047.8	1048.9	1058.7	1077.2	1083.7	1088.6	1089.7	1085.9	1068.5	1048.9	1052.7
40°	1130.9	1131.5	1142.4	1158.7	1165.7	1169.0	1169.5	1170.1	1152.1	1137.5	1136.4
42.5°	1227.6	1230.4	1245.6	1261.3	1264.6	1262.9	1268.4	1273.8	1256.4	1236.3	1238.0
45°	1343.3	1345.0	1365.6	1383.0	1377.0	1371.6	1381.9	1392.8	1377.0	1350.9	1343.3
47.5°	1480.2	1483.5	1505.8	1523.1	1513.4	1503.6	1520.4	1531.8	1506.3	1478.6	1471.5
50°	1635.0	1637.2	1668.7	1690.4	1679.0	1661.1	1682.3	1694.3	1660.0	1625.8	1610.6
52.5°	1818.1	1813.8	1855.6	1893.6	1886.5	1863.2	1880.6	1882.7	1831.7	1783.3	1768.1
55°	2041.4	2037.0	2078.8	2120.7	2138.0	2132.1	2123.9	2110.9	2035.4	1983.8	1969.7
57.5°	2301.6	2288.0	2346.6	2403.1	2441.2	2452.0	2417.3	2386.8	2327.1	2263.5	2247.2
60°	2543.3	2542.7	2635.6	2733.4	2837.7	2881.1	2793.2	2710.6	2576.4	2460.7	2437.4
62.5°	2611.2	2622.6	2774.7	3017.0	3274.4	3428.2	3196.2	2923.0	2663.9	2489.5	2458.5
65°	2443.9	2472.1	2688.3	3070.7	3579.2	3955.1	3431.4	2927.9	2566.6	2349.4	2316.8
67.5°	1801.3	1857.8	2144.0	2770.9	3553.1	4090.3	3389.6	2656.8	2229.3	1970.7	1925.7
70°	888.7	942.5	1169.5	1823.0	2923.5	3656.3	2932.8	2002.2	1505.8	1257.0	1215.7
72.5°	327.0	348.7	437.8	780.0	1613.3	2700.8	2005.5	1118.5	729.5	580.7	553.0
75°	160.2	164.0	177.6	261.8	595.4	1271.1	942.5	429.1	268.3	233.6	226.0
77.5°	102.1	103.8	110.3	124.9	191.2	400.3	285.7	169.5	131.5	126.0	126.0
80°	57.0	58.7	67.4	77.7	89.6	137.4	102.7	101.6	86.4	75.5	73.9
82.5°	27.2	29.9	42.9	42.4	47.3	69.0	60.3	54.9	55.4	41.8	39.7
85°	12.5	12.5	16.8	20.1	21.2	23.4	27.7	31.5	31.0	21.2	22.8
87.5°	6.0	6.0	6.0	5.4	4.9	4.3	6.0	9.8	14.1	9.8	9.2
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)