

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: P631305

Luminaire Tested: GWS-SA1F-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631305  
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-SA1F-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**

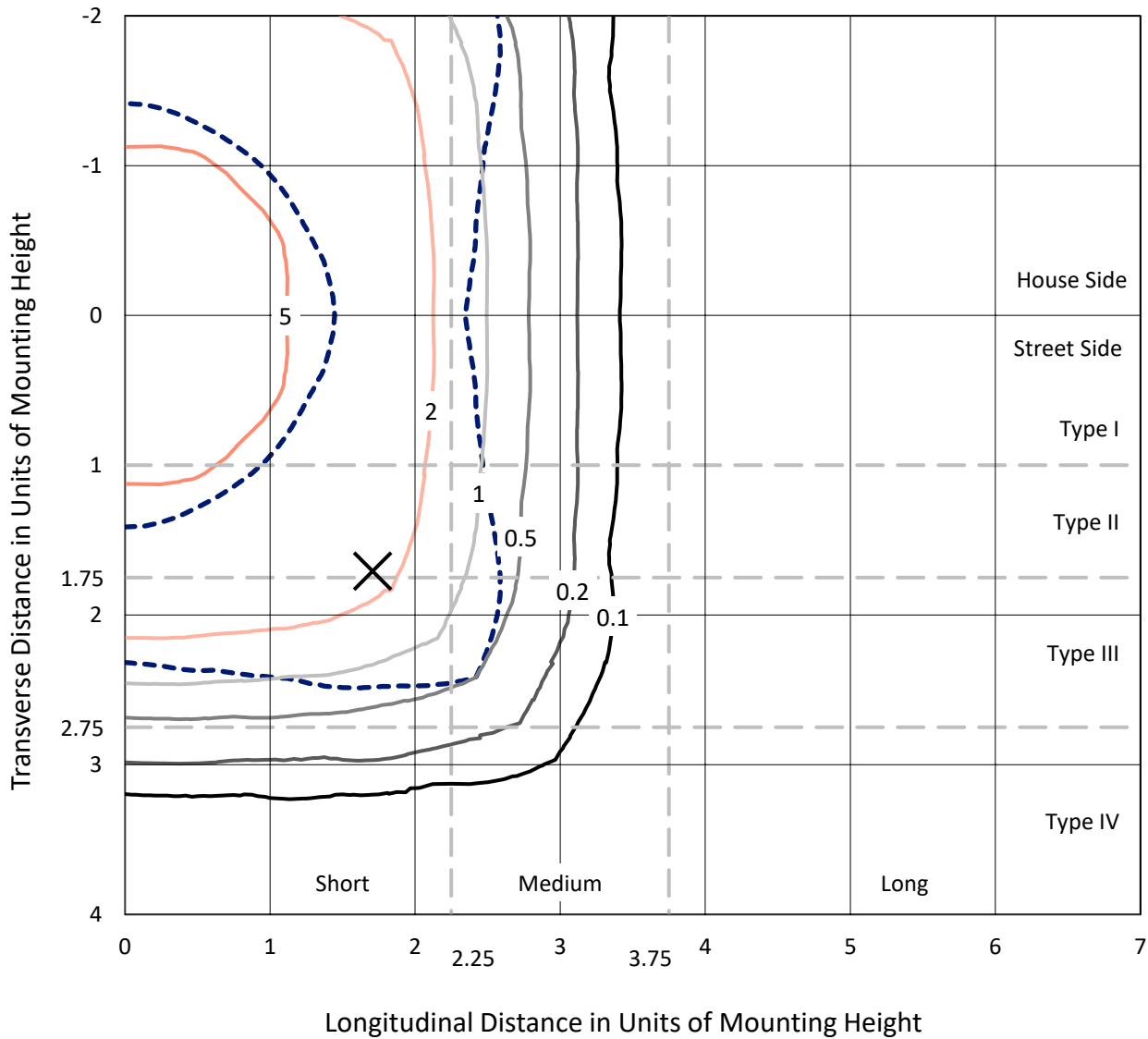
Lumens per Lamp: N/A  
Luminaire Lumens: 8724.8 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

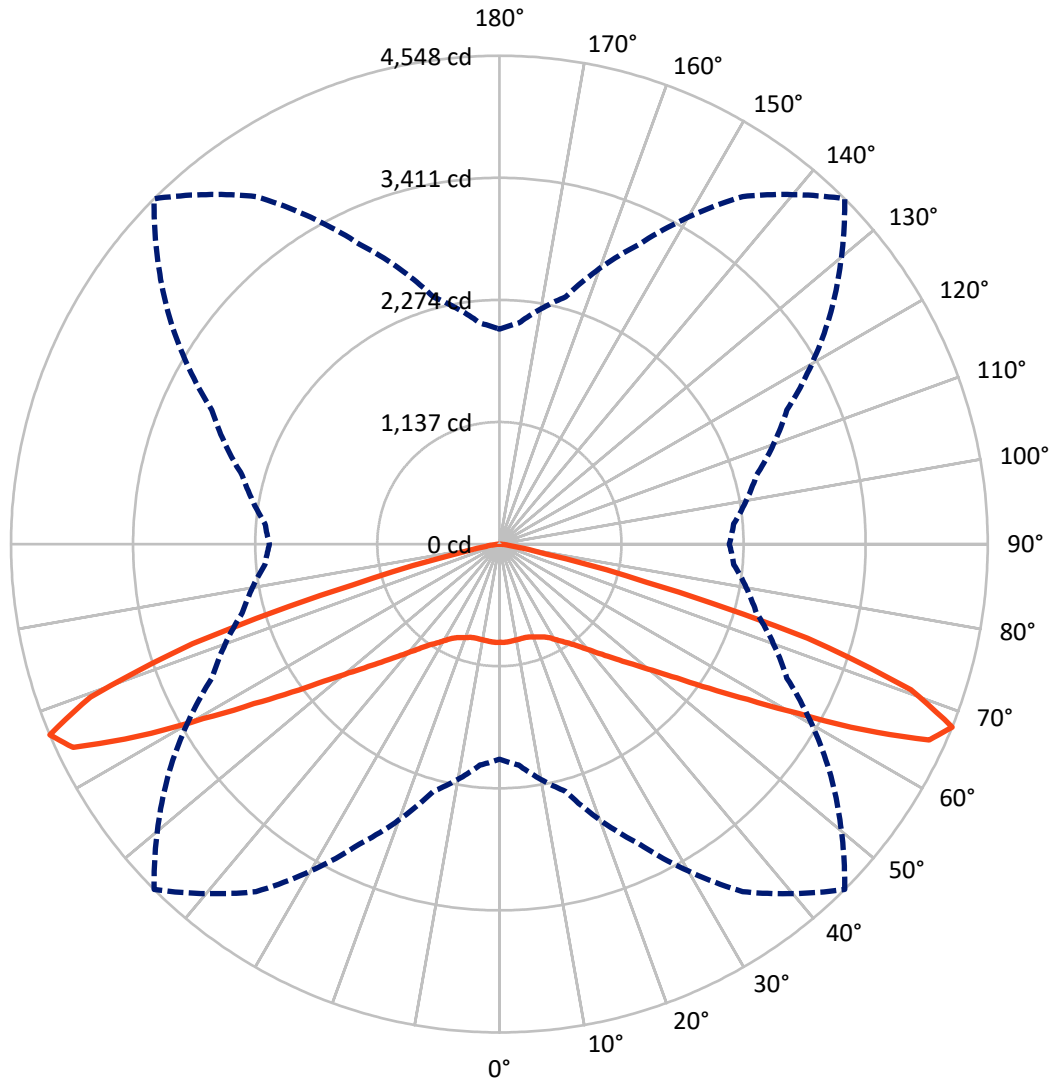
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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	4362.4	0.0	4362.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4362.4	0.0	4362.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8724.8	0.0	8724.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.5	1.0
10°-20°	254.0	2.9
20°-30°	438.1	5.0
30°-40°	712.4	8.2
40°-50°	1199.5	13.7
50°-60°	2125.3	24.4
60°-70°	3037.9	34.8
70°-80°	833.8	9.6
80°-90°	37.3	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°	8724.8	100.0
0°-180°	8724.8	100.0

**Coefficient of Utilization**



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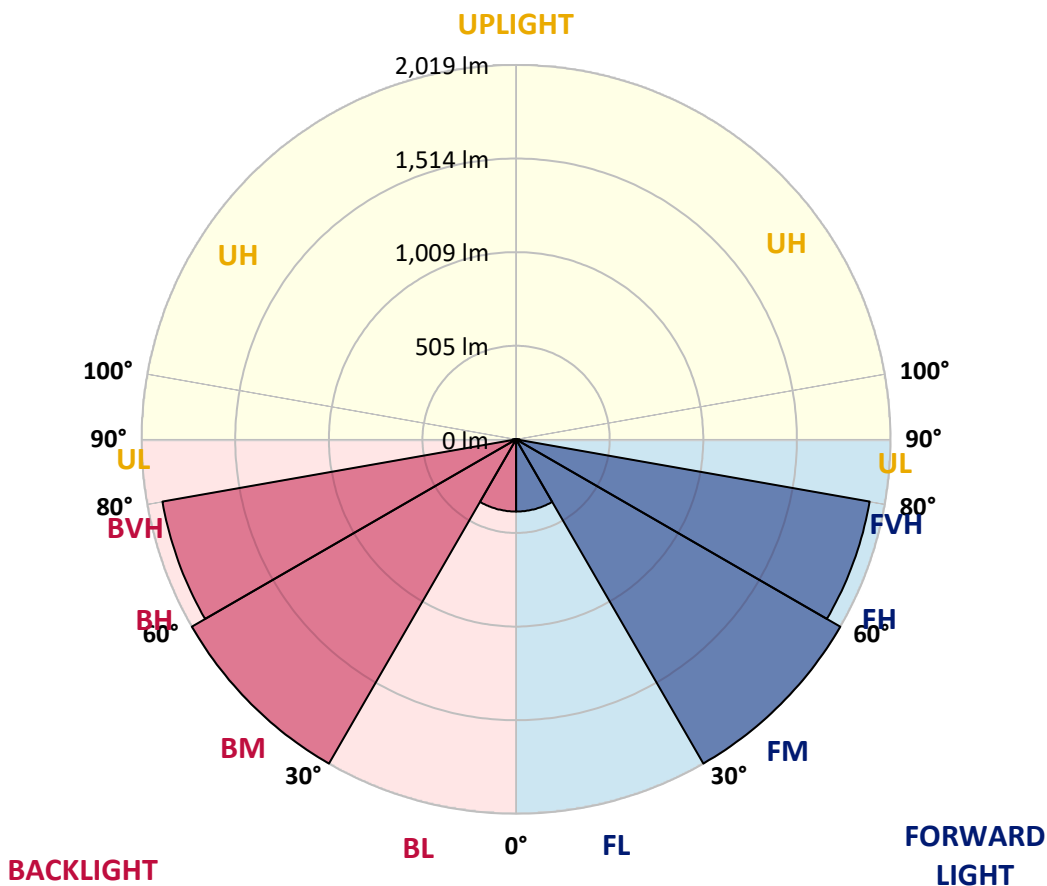
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.3	4.5			
FM (30°-60°)	2018.6	23.1			
FH (60°-80°)	1935.8	22.2			G2/5000
FVH (80°-90°)	18.7	0.2			G1/100
BL (0°-30°)	389.3	4.5	B1/500		
BM (30°-60°)	2018.6	23.1	B2/2500		
BH (60°-80°)	1935.8	22.2	B3/2500		G2/5000
BVH (80°-90°)	18.7	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	913.8	913.8	913.8	913.8	913.8	913.8	913.8	913.8	913.8	913.8	913.8
2.5°	907.7	907.1	910.1	912.0	911.4	915.6	915.0	913.8	913.8	912.0	916.8
5°	907.7	907.1	909.5	910.1	908.9	912.6	911.4	910.1	910.1	907.7	912.0
7.5°	902.9	903.5	905.3	906.5	905.3	908.3	906.5	904.1	903.5	901.1	905.3
10°	893.8	894.4	896.3	899.3	899.9	905.3	902.3	898.1	896.3	893.8	898.1
12.5°	888.4	889.0	890.8	894.4	895.7	902.9	899.9	893.2	890.2	887.8	892.0
15°	887.2	887.8	890.2	893.8	895.7	902.9	899.9	892.0	887.8	884.8	888.4
17.5°	887.2	888.4	892.0	897.5	901.1	908.3	904.7	895.7	889.6	884.2	887.8
20°	887.8	889.6	895.0	902.9	912.0	922.2	917.4	905.3	896.9	890.2	892.6
22.5°	893.2	896.3	902.9	913.2	926.5	938.5	934.3	918.0	905.9	896.9	899.3
25°	912.0	913.2	921.6	934.9	947.6	957.9	953.6	938.5	923.4	912.6	915.6
27.5°	945.2	948.2	955.4	969.3	980.2	985.6	985.0	974.8	959.7	950.0	952.4
30°	985.0	988.1	997.7	1013.4	1024.3	1030.3	1028.5	1020.7	1006.8	993.5	995.9
32.5°	1031.5	1032.7	1044.2	1061.7	1073.2	1082.3	1076.2	1067.8	1050.3	1034.6	1035.8
35°	1090.7	1092.5	1104.6	1120.9	1130.0	1137.2	1136.0	1127.6	1108.8	1091.9	1096.2
37.5°	1165.0	1166.2	1177.1	1197.6	1204.9	1210.3	1211.5	1207.3	1188.0	1166.2	1170.4
40°	1257.4	1258.0	1270.1	1288.2	1296.1	1299.7	1300.3	1300.9	1281.0	1264.7	1263.5
42.5°	1364.9	1367.9	1384.8	1402.4	1406.0	1404.2	1410.2	1416.3	1396.9	1374.6	1376.4
45°	1493.6	1495.4	1518.3	1537.6	1531.0	1525.0	1536.4	1548.5	1531.0	1502.0	1493.6
47.5°	1645.8	1649.4	1674.1	1693.5	1682.6	1671.7	1690.4	1703.1	1674.7	1643.9	1636.1
50°	1817.9	1820.3	1855.3	1879.5	1866.8	1846.9	1870.4	1883.7	1845.7	1807.6	1790.7
52.5°	2021.4	2016.6	2063.1	2105.4	2097.5	2071.5	2090.9	2093.3	2036.5	1982.8	1965.8
55°	2269.6	2264.8	2311.3	2357.8	2377.1	2370.5	2361.4	2346.9	2263.0	2205.6	2189.9
57.5°	2558.9	2543.8	2609.0	2671.9	2714.1	2726.2	2687.6	2653.7	2587.3	2516.6	2498.5
60°	2827.7	2827.1	2930.3	3039.1	3155.0	3203.3	3105.5	3013.7	2864.5	2735.9	2709.9
62.5°	2903.2	2915.8	3085.0	3354.3	3640.6	3811.5	3553.6	3249.8	2961.7	2767.9	2733.5
65°	2717.1	2748.6	2988.9	3414.1	3979.4	4397.3	3815.1	3255.3	2853.6	2612.1	2575.8
67.5°	2002.7	2065.5	2383.8	3080.7	3950.4	4547.7	3768.6	2953.9	2478.6	2191.1	2141.0
70°	988.1	1047.8	1300.3	2026.8	3250.4	4065.2	3260.7	2226.1	1674.1	1397.5	1351.6
72.5°	363.6	387.7	486.8	867.3	1793.7	3002.8	2229.8	1243.5	811.1	645.6	614.8
75°	178.2	182.4	197.5	291.1	661.9	1413.2	1047.8	477.1	298.3	259.7	251.2
77.5°	113.5	115.4	122.6	138.9	212.6	445.1	317.7	188.4	146.2	140.1	140.1
80°	63.4	65.2	74.9	86.4	99.7	152.8	114.1	112.9	96.0	83.9	82.1
82.5°	30.2	33.2	47.7	47.1	52.5	76.7	67.0	61.0	61.6	46.5	44.1
85°	13.9	13.9	18.7	22.3	23.6	26.0	30.8	35.0	34.4	23.6	25.4
87.5°	6.6	6.6	6.6	6.0	5.4	4.8	6.6	10.9	15.7	10.9	10.3
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)