

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: P631800

Luminaire Tested: GWS-SA2B-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631800  
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-SA2B-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

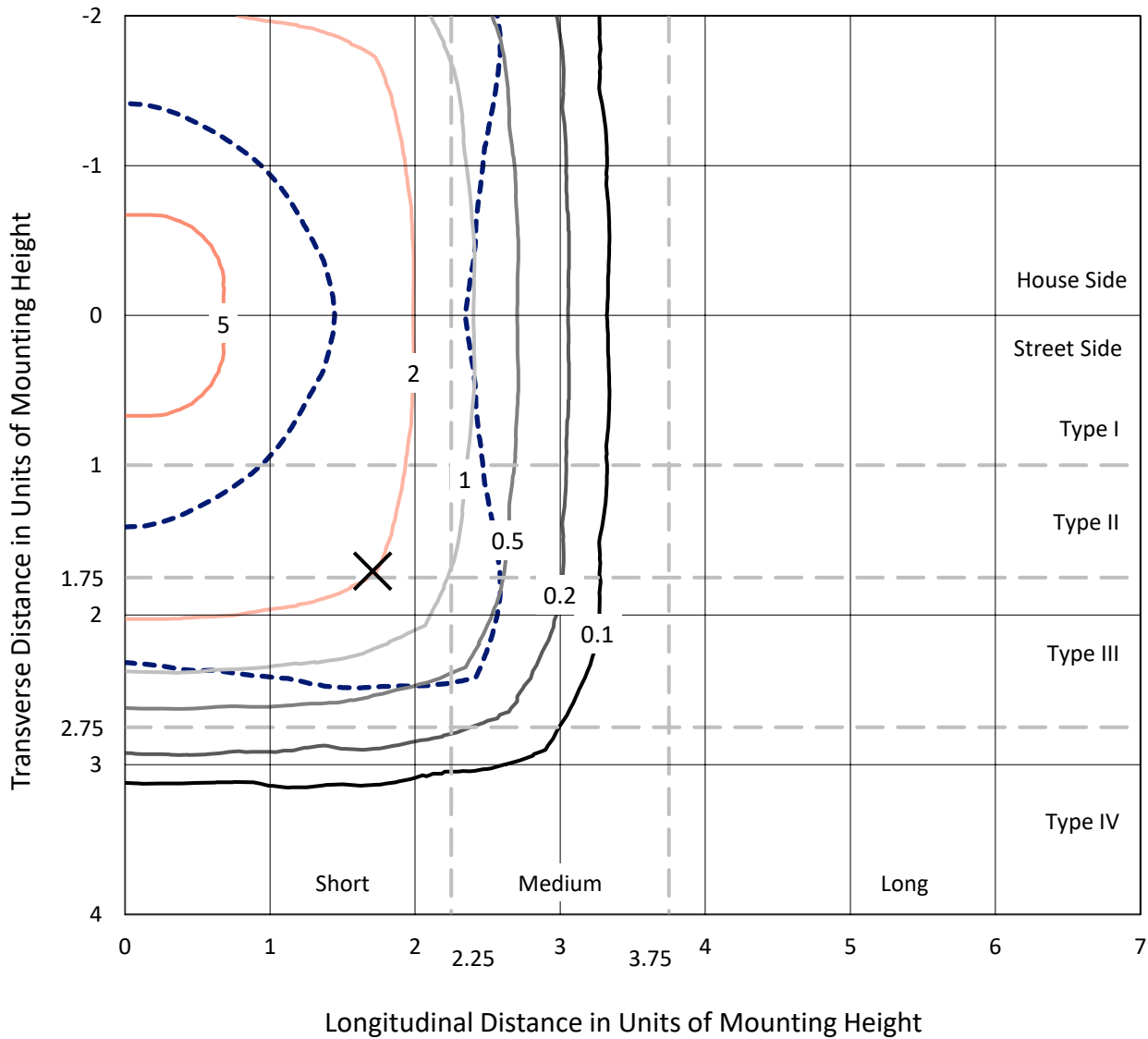
Lumens per Lamp: N/A  
Luminaire Lumens: 7146.8 lumens  
Efficiency: N/A  
Efficacy: 154.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

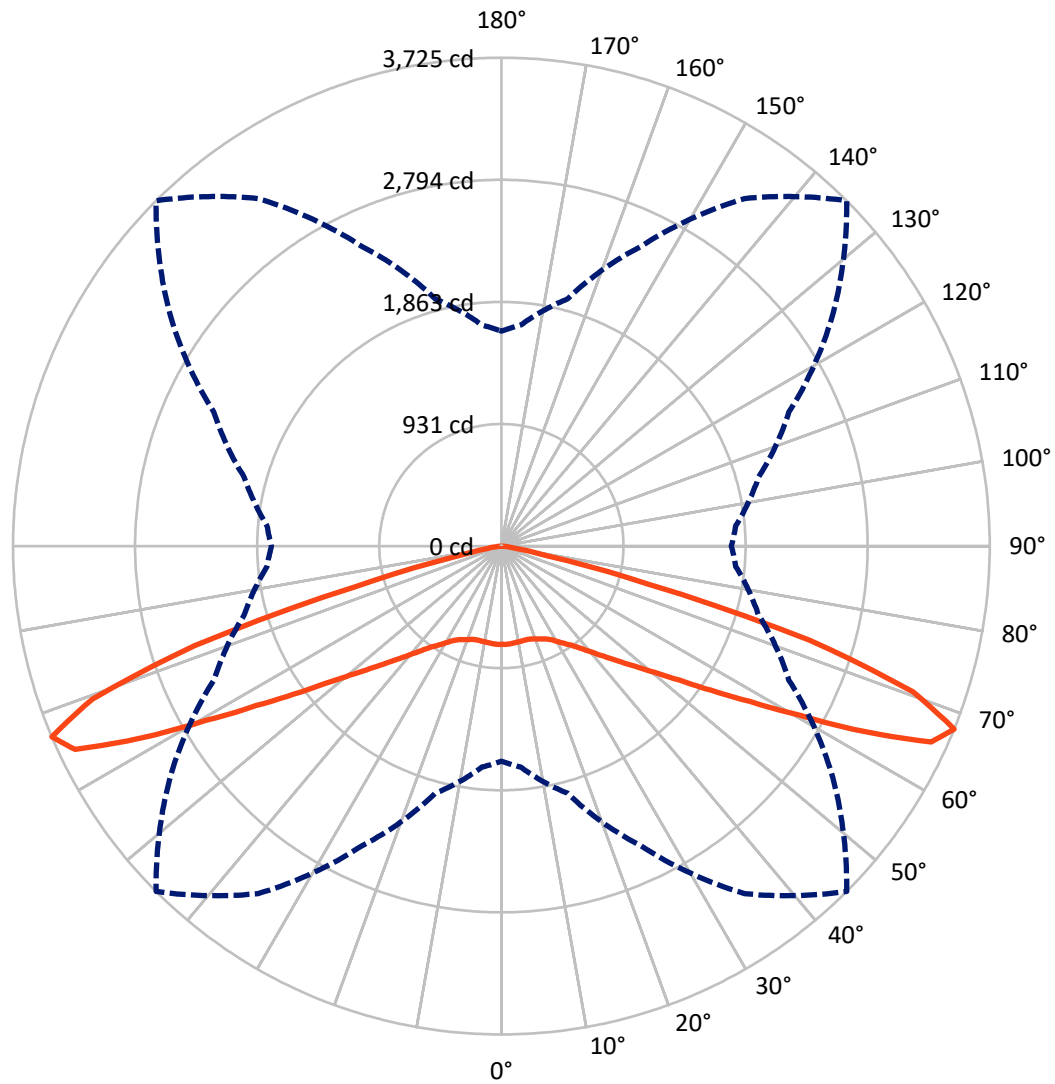
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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	3573.4	0.0	3573.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3573.4	0.0	3573.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7146.8	0.0	7146.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.8	1.0
10°-20°	208.1	2.9
20°-30°	358.9	5.0
30°-40°	583.5	8.2
40°-50°	982.5	13.7
50°-60°	1740.9	24.4
60°-70°	2488.5	34.8
70°-80°	683.0	9.6
80°-90°	30.6	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°	7146.8	100.0
0°-180°	7146.8	100.0

**Coefficient of Utilization**



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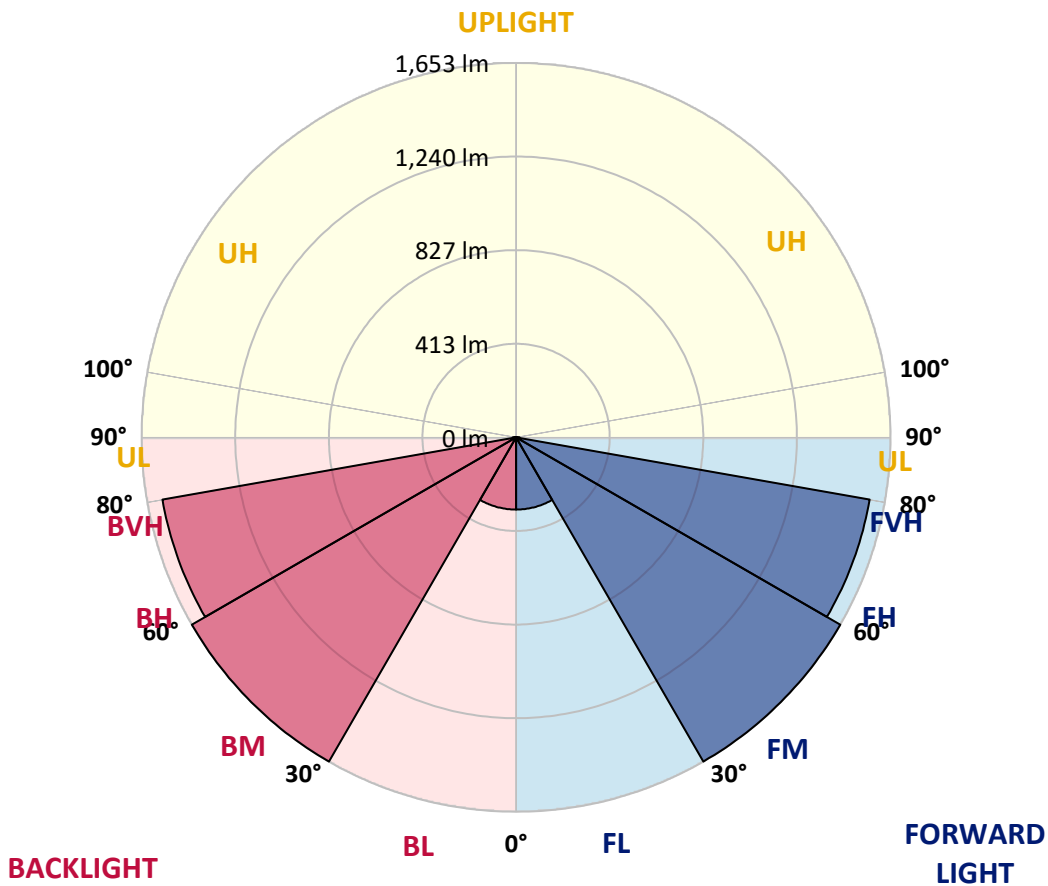
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.9	4.5			
FM (30°-60°)	1653.5	23.1			
FH (60°-80°)	1585.7	22.2			G1/1800
FVH (80°-90°)	15.3	0.2			G1/100
BL (0°-30°)	318.9	4.5	B1/500		
BM (30°-60°)	1653.5	23.1	B2/2500		
BH (60°-80°)	1585.7	22.2	B3/2500		G1/1800
BVH (80°-90°)	15.3	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°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5
2.5°	743.6	743.1	745.5	747.0	746.5	750.0	749.5	748.5	748.5	747.0	751.0
5°	743.6	743.1	745.0	745.5	744.5	747.5	746.5	745.5	745.5	743.6	747.0
7.5°	739.6	740.1	741.6	742.6	741.6	744.0	742.6	740.6	740.1	738.1	741.6
10°	732.2	732.7	734.2	736.6	737.1	741.6	739.1	735.6	734.2	732.2	735.6
12.5°	727.7	728.2	729.7	732.7	733.7	739.6	737.1	731.7	729.2	727.2	730.7
15°	726.7	727.2	729.2	732.2	733.7	739.6	737.1	730.7	727.2	724.8	727.7
17.5°	726.7	727.7	730.7	735.1	738.1	744.0	741.1	733.7	728.7	724.3	727.2
20°	727.2	728.7	733.2	739.6	747.0	755.4	751.5	741.6	734.6	729.2	731.2
22.5°	731.7	734.2	739.6	748.0	758.9	768.8	765.3	752.0	742.1	734.6	736.6
25°	747.0	748.0	754.9	765.8	776.2	784.6	781.2	768.8	756.4	747.5	750.0
27.5°	774.2	776.7	782.6	794.0	802.9	807.4	806.9	798.5	786.1	778.2	780.2
30°	806.9	809.4	817.3	830.1	839.0	844.0	842.5	836.1	824.7	813.8	815.8
32.5°	845.0	846.0	855.4	869.7	879.1	886.5	881.6	874.7	860.3	847.4	848.4
35°	893.5	894.9	904.8	918.2	925.6	931.5	930.6	923.6	908.3	894.4	897.9
37.5°	954.3	955.3	964.2	981.0	987.0	991.4	992.4	988.9	973.1	955.3	958.8
40°	1030.0	1030.5	1040.4	1055.2	1061.7	1064.6	1065.1	1065.6	1049.3	1035.9	1034.9
42.5°	1118.1	1120.5	1134.4	1148.7	1151.7	1150.2	1155.2	1160.1	1144.3	1126.0	1127.5
45°	1223.4	1224.9	1243.7	1259.5	1254.1	1249.2	1258.6	1268.4	1254.1	1230.4	1223.4
47.5°	1348.1	1351.1	1371.3	1387.2	1378.3	1369.4	1384.7	1395.1	1371.8	1346.6	1340.2
50°	1489.1	1491.1	1519.8	1539.5	1529.2	1512.8	1532.1	1543.0	1511.8	1480.7	1466.8
52.5°	1655.8	1651.8	1689.9	1724.6	1718.1	1696.9	1712.7	1714.7	1668.2	1624.1	1610.3
55°	1859.1	1855.2	1893.3	1931.4	1947.2	1941.8	1934.3	1922.5	1853.7	1806.7	1793.8
57.5°	2096.1	2083.7	2137.2	2188.6	2223.2	2233.1	2201.5	2173.8	2119.4	2061.5	2046.6
60°	2316.2	2315.8	2400.3	2489.4	2584.4	2624.0	2543.8	2468.6	2346.4	2241.1	2219.8
62.5°	2378.1	2388.5	2527.0	2747.6	2982.1	3122.1	2910.9	2662.1	2426.1	2267.3	2239.1
65°	2225.7	2251.4	2448.3	2796.6	3259.7	3602.0	3125.1	2666.5	2337.5	2139.6	2110.0
67.5°	1640.5	1691.9	1952.6	2523.5	3235.9	3725.2	3087.0	2419.6	2030.3	1794.8	1753.8
70°	809.4	858.3	1065.1	1660.3	2662.5	3329.9	2671.0	1823.5	1371.3	1144.8	1107.2
72.5°	297.8	317.6	398.7	710.4	1469.3	2459.7	1826.5	1018.6	664.4	528.8	503.6
75°	145.9	149.4	161.8	238.5	542.2	1157.6	858.3	390.8	244.4	212.7	205.8
77.5°	93.0	94.5	100.4	113.8	174.1	364.6	260.2	154.4	119.7	114.8	114.8
80°	51.9	53.4	61.3	70.7	81.6	125.2	93.5	92.5	78.7	68.8	67.3
82.5°	24.7	27.2	39.1	38.6	43.0	62.8	54.9	50.0	50.5	38.1	36.1
85°	11.4	11.4	15.3	18.3	19.3	21.3	25.2	28.7	28.2	19.3	20.8
87.5°	5.4	5.4	5.4	4.9	4.5	4.0	5.4	8.9	12.9	8.9	8.4
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)