

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: P630755

Luminaire Tested: GWS-SA1E-735-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630755  
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-735-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

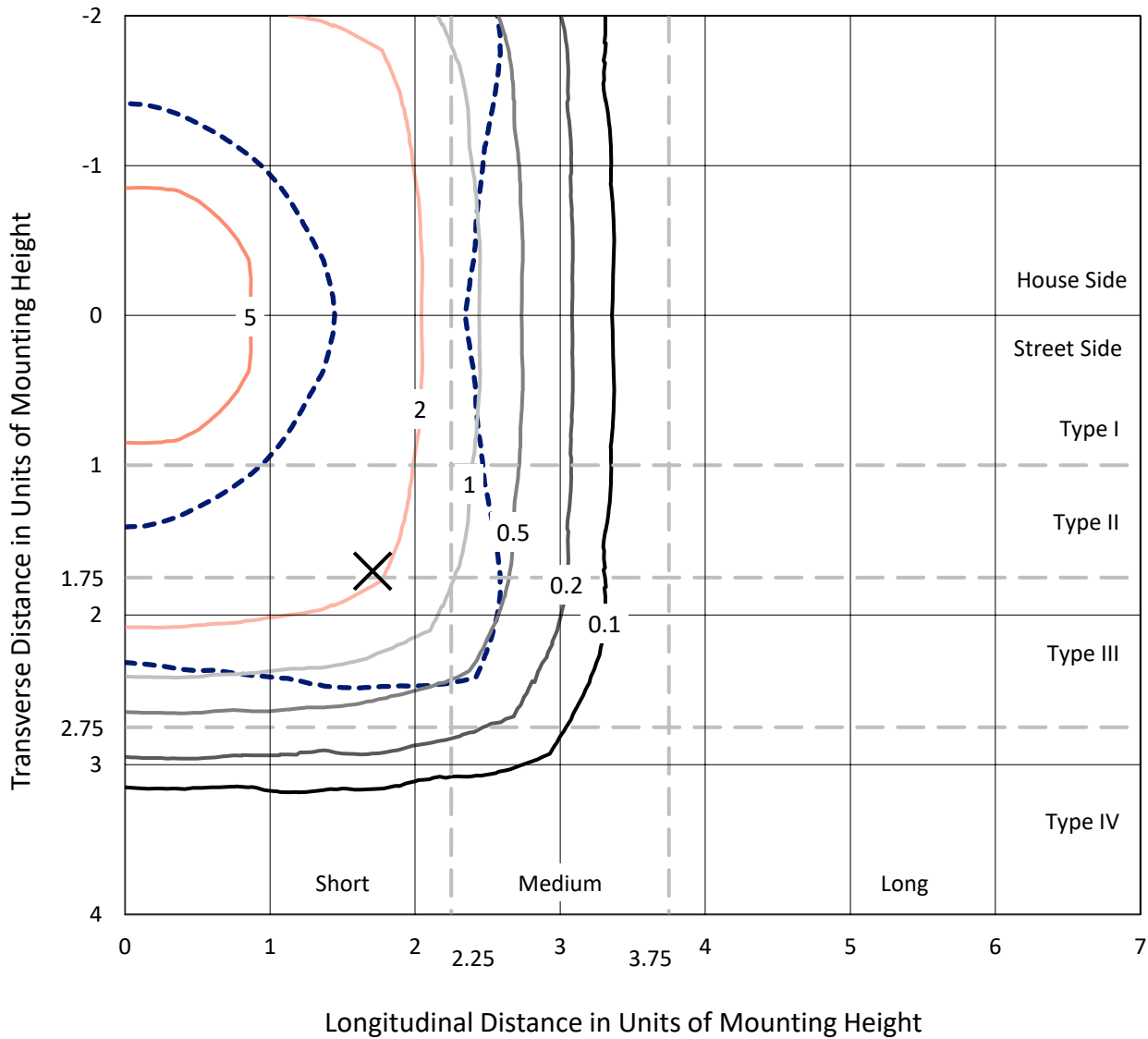
Lumens per Lamp: N/A  
Luminaire Lumens: 7739.7 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

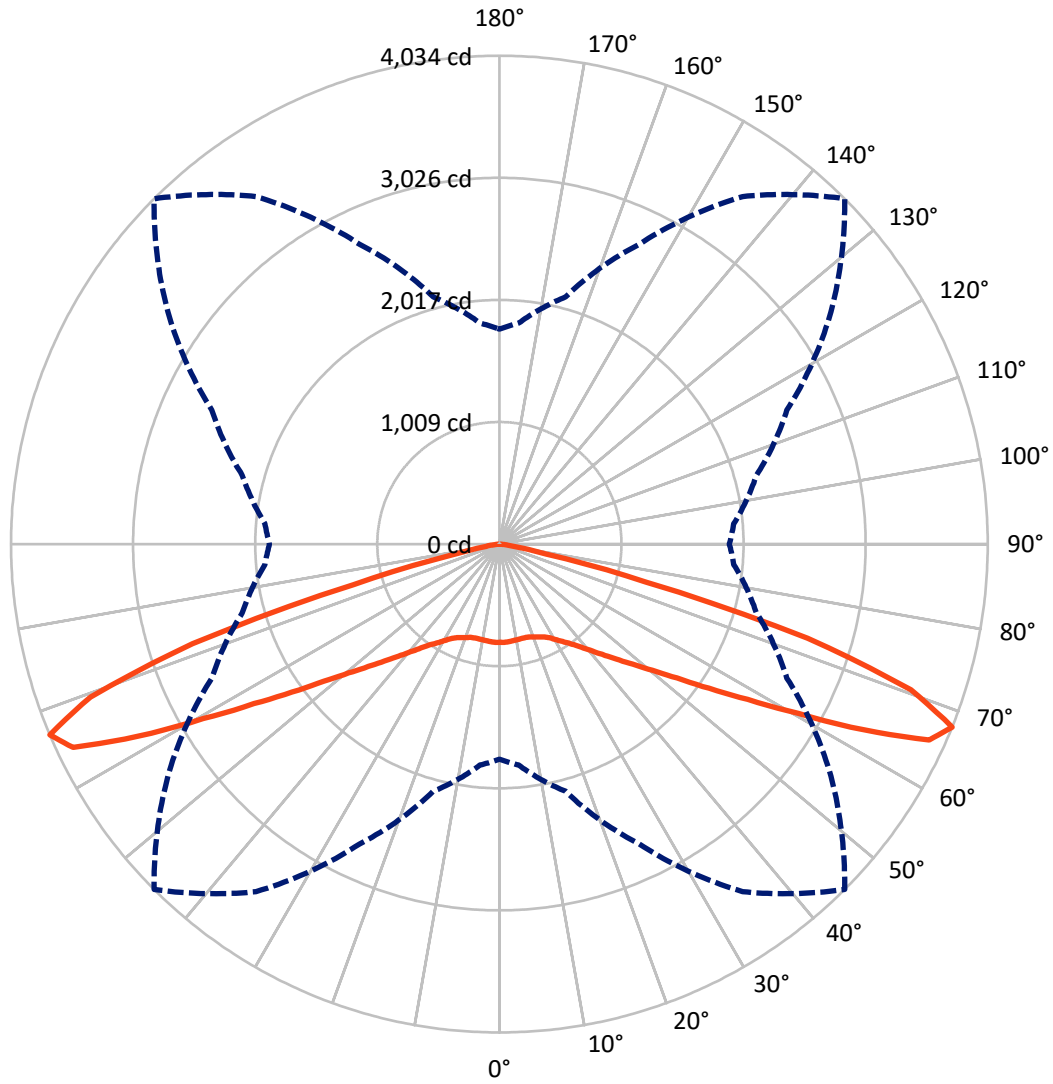
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 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	3869.8	0.0	3869.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3869.8	0.0	3869.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7739.7	0.0	7739.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	1.0
10°-20°	225.3	2.9
20°-30°	388.6	5.0
30°-40°	631.9	8.2
40°-50°	1064.1	13.7
50°-60°	1885.3	24.4
60°-70°	2694.9	34.8
70°-80°	739.6	9.6
80°-90°	33.1	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°	7739.7	100.0
0°-180°	7739.7	100.0

**Coefficient of Utilization**



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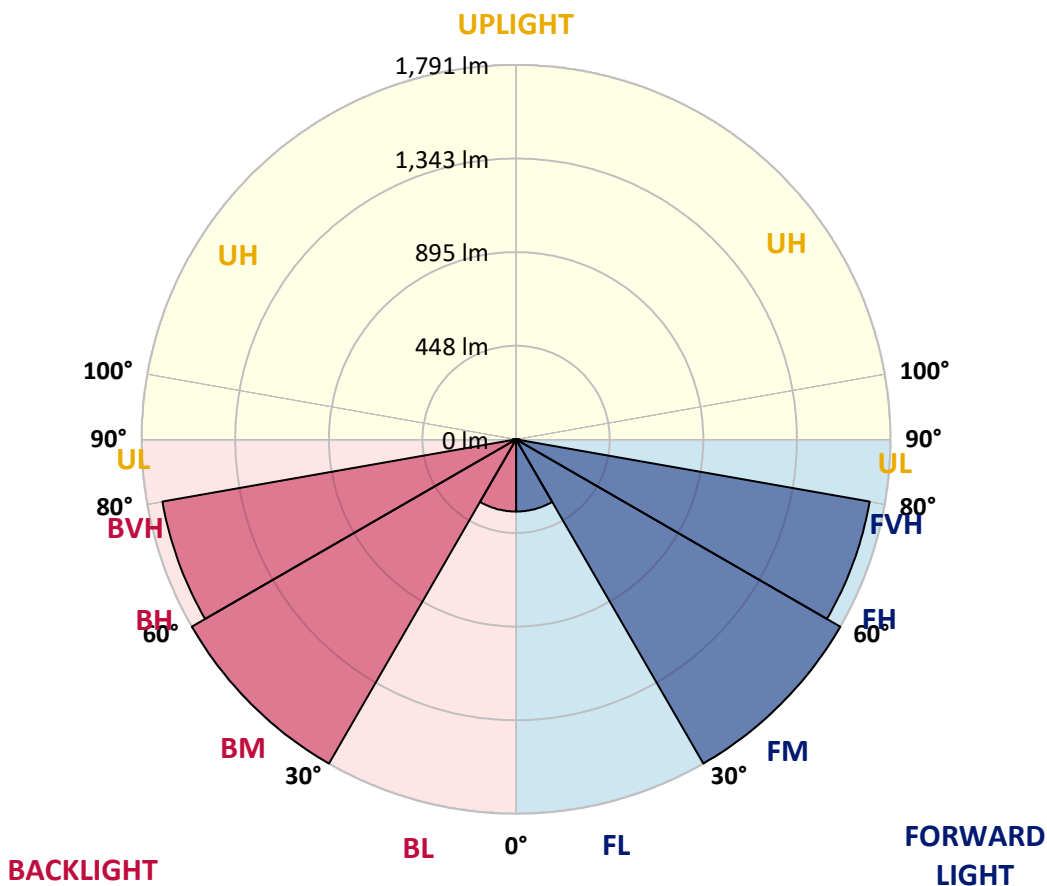
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.3	4.5			
FM (30°-60°)	1790.6	23.1			
FH (60°-80°)	1717.3	22.2			G1/1800
FVH (80°-90°)	16.6	0.2			G1/100
BL (0°-30°)	345.3	4.5	B1/500		
BM (30°-60°)	1790.6	23.1	B2/2500		
BH (60°-80°)	1717.3	22.2	B3/2500		G1/1800
BVH (80°-90°)	16.6	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°	810.6	810.6	810.6	810.6	810.6	810.6	810.6	810.6	810.6	810.6	810.6
2.5°	805.2	804.7	807.4	809.0	808.5	812.2	811.7	810.6	810.6	809.0	813.3
5°	805.2	804.7	806.8	807.4	806.3	809.5	808.5	807.4	807.4	805.2	809.0
7.5°	801.0	801.5	803.1	804.2	803.1	805.8	804.2	802.0	801.5	799.3	803.1
10°	792.9	793.5	795.1	797.7	798.3	803.1	800.4	796.7	795.1	792.9	796.7
12.5°	788.1	788.6	790.2	793.5	794.5	801.0	798.3	792.4	789.7	787.6	791.3
15°	787.0	787.6	789.7	792.9	794.5	801.0	798.3	791.3	787.6	784.9	788.1
17.5°	787.0	788.1	791.3	796.1	799.3	805.8	802.6	794.5	789.2	784.3	787.6
20°	787.6	789.2	794.0	801.0	809.0	818.1	813.8	803.1	795.6	789.7	791.8
22.5°	792.4	795.1	801.0	810.1	821.8	832.6	828.8	814.3	803.6	795.6	797.7
25°	809.0	810.1	817.6	829.3	840.6	849.7	846.0	832.6	819.2	809.5	812.2
27.5°	838.5	841.1	847.6	859.9	869.5	874.4	873.8	864.7	851.3	842.7	844.9
30°	873.8	876.5	885.1	899.0	908.6	914.0	912.4	905.4	893.1	881.3	883.5
32.5°	915.1	916.1	926.3	941.9	952.0	960.1	954.7	947.2	931.7	917.7	918.8
35°	967.6	969.2	979.9	994.4	1002.4	1008.8	1007.8	1000.3	983.6	968.6	972.4
37.5°	1033.5	1034.5	1044.2	1062.4	1068.8	1073.7	1074.7	1071.0	1053.8	1034.5	1038.3
40°	1115.4	1116.0	1126.7	1142.8	1149.7	1152.9	1153.5	1154.0	1136.3	1121.9	1120.8
42.5°	1210.8	1213.5	1228.5	1244.0	1247.2	1245.6	1251.0	1256.3	1239.2	1219.4	1221.0
45°	1324.9	1326.5	1346.9	1364.0	1358.1	1352.8	1363.0	1373.7	1358.1	1332.4	1324.9
47.5°	1459.9	1463.1	1485.1	1502.3	1492.6	1483.0	1499.6	1510.8	1485.6	1458.3	1451.4
50°	1612.6	1614.8	1645.8	1667.3	1656.0	1638.3	1659.2	1671.0	1637.3	1603.5	1588.5
52.5°	1793.2	1788.9	1830.1	1867.6	1860.7	1837.6	1854.8	1856.9	1806.6	1758.9	1743.9
55°	2013.4	2009.1	2050.3	2091.6	2108.7	2102.8	2094.8	2081.9	2007.5	1956.6	1942.6
57.5°	2270.0	2256.6	2314.5	2370.2	2407.7	2418.4	2384.1	2354.1	2295.2	2232.5	2216.4
60°	2508.4	2507.9	2599.5	2695.9	2798.8	2841.6	2754.9	2673.4	2541.1	2427.0	2403.9
62.5°	2575.4	2586.6	2736.6	2975.6	3229.5	3381.1	3152.4	2882.9	2627.3	2455.4	2424.8
65°	2410.4	2438.2	2651.5	3028.6	3530.1	3900.8	3384.4	2887.7	2531.4	2317.1	2285.0
67.5°	1776.6	1832.3	2114.6	2732.9	3504.4	4034.2	3343.1	2620.4	2198.7	1943.7	1899.3
70°	876.5	929.5	1153.5	1798.0	2883.4	3606.2	2892.5	1974.8	1485.1	1239.7	1199.0
72.5°	322.5	344.0	431.8	769.3	1591.2	2663.8	1978.0	1103.1	719.5	572.7	545.4
75°	158.0	161.8	175.2	258.2	587.2	1253.7	929.5	423.2	264.7	230.4	222.9
77.5°	100.7	102.3	108.8	123.2	188.6	394.9	281.8	167.2	129.7	124.3	124.3
80°	56.3	57.9	66.4	76.6	88.4	135.5	101.3	100.2	85.2	74.5	72.9
82.5°	26.8	29.5	42.3	41.8	46.6	68.0	59.5	54.1	54.6	41.3	39.1
85°	12.3	12.3	16.6	19.8	20.9	23.0	27.3	31.1	30.5	20.9	22.5
87.5°	5.9	5.9	5.9	5.4	4.8	4.3	5.9	9.6	13.9	9.6	9.1
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)