

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: P629767

Luminaire Tested: GWS-SA1C-735-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629767  
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-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**

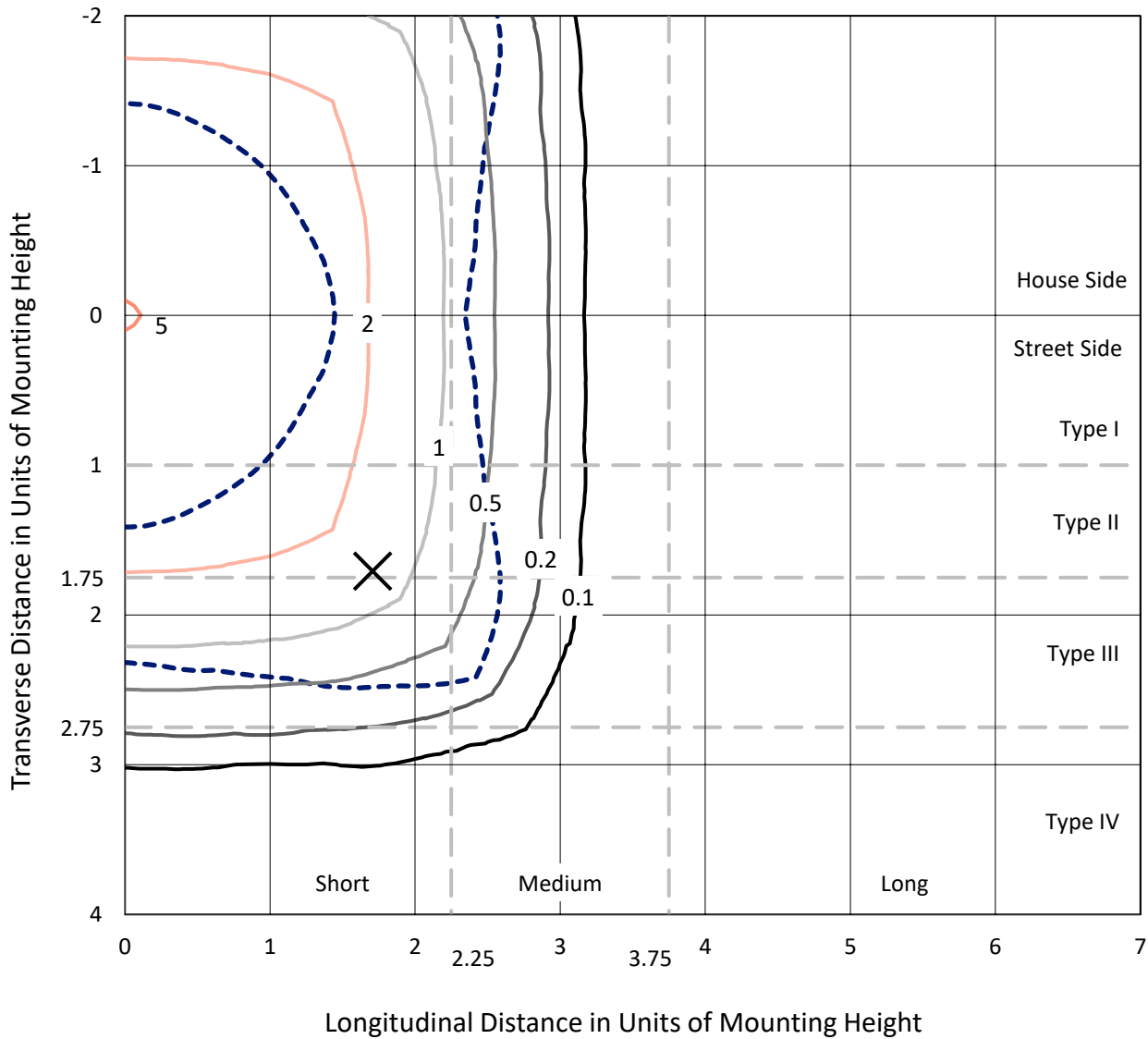
Lumens per Lamp: N/A  
Luminaire Lumens: 4909.4 lumens  
Efficiency: N/A  
Efficacy: 144.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

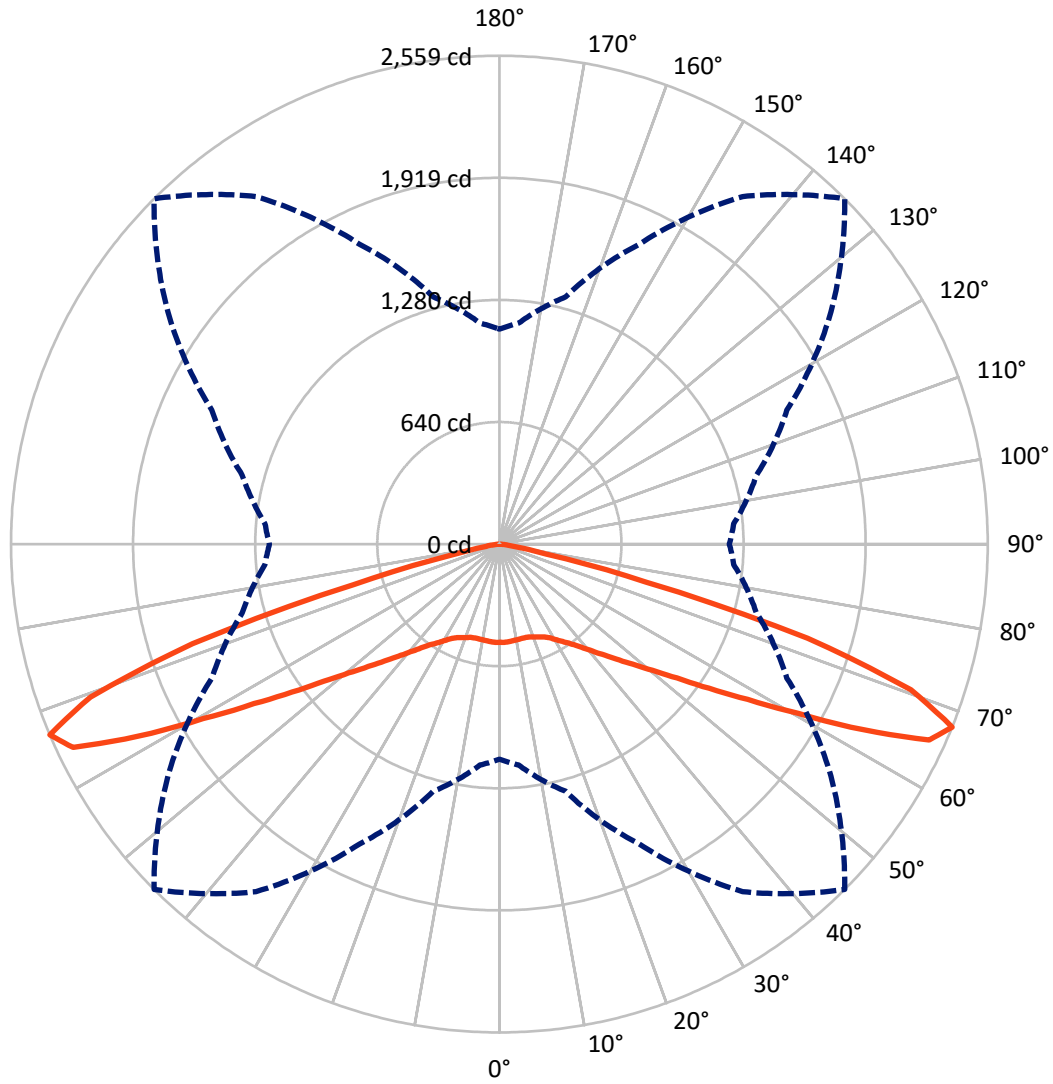
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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	2454.7	0.0	2454.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2454.7	0.0	2454.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4909.4	0.0	4909.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.7	1.0
10°-20°	142.9	2.9
20°-30°	246.5	5.0
30°-40°	400.8	8.2
40°-50°	674.9	13.7
50°-60°	1195.9	24.4
60°-70°	1709.4	34.8
70°-80°	469.2	9.6
80°-90°	21.0	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°	4909.4	100.0
0°-180°	4909.4	100.0

**Coefficient of Utilization**



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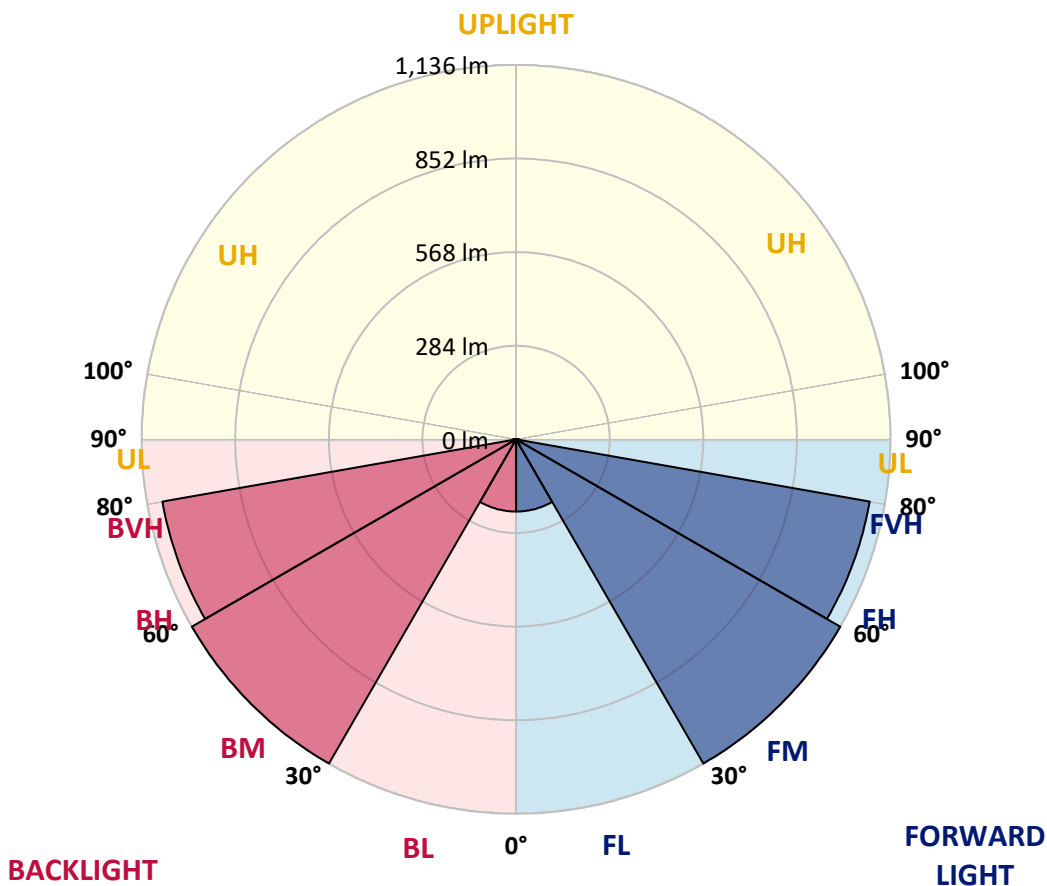
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.1	4.5			
FM (30°-60°)	1135.8	23.1			
FH (60°-80°)	1089.3	22.2			G1/1800
FVH (80°-90°)	10.5	0.2			G1/100
BL (0°-30°)	219.1	4.5	B1/500		
BM (30°-60°)	1135.8	23.1	B2/2500		
BH (60°-80°)	1089.3	22.2	B3/2500		G1/1800
BVH (80°-90°)	10.5	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°	514.2	514.2	514.2	514.2	514.2	514.2	514.2	514.2	514.2	514.2	514.2
2.5°	510.8	510.4	512.1	513.2	512.8	515.2	514.9	514.2	514.2	513.2	515.9
5°	510.8	510.4	511.8	512.1	511.5	513.5	512.8	512.1	512.1	510.8	513.2
7.5°	508.1	508.4	509.4	510.1	509.4	511.1	510.1	508.7	508.4	507.0	509.4
10°	503.0	503.3	504.3	506.0	506.4	509.4	507.7	505.3	504.3	503.0	505.3
12.5°	499.9	500.2	501.3	503.3	504.0	508.1	506.4	502.6	500.9	499.6	501.9
15°	499.2	499.6	500.9	503.0	504.0	508.1	506.4	501.9	499.6	497.9	499.9
17.5°	499.2	499.9	501.9	505.0	507.0	511.1	509.1	504.0	500.6	497.5	499.6
20°	499.6	500.6	503.6	508.1	513.2	518.9	516.2	509.4	504.7	500.9	502.3
22.5°	502.6	504.3	508.1	513.8	521.3	528.1	525.7	516.6	509.8	504.7	506.0
25°	513.2	513.8	518.6	526.1	533.2	539.0	536.6	528.1	519.6	513.5	515.2
27.5°	531.8	533.5	537.6	545.4	551.6	554.6	554.3	548.5	540.0	534.6	535.9
30°	554.3	556.0	561.4	570.2	576.4	579.8	578.7	574.3	566.5	559.0	560.4
32.5°	580.4	581.1	587.6	597.4	603.9	609.0	605.6	600.8	591.0	582.1	582.8
35°	613.7	614.8	621.6	630.7	635.8	639.9	639.2	634.5	623.9	614.4	616.8
37.5°	655.5	656.2	662.3	673.9	678.0	681.0	681.7	679.3	668.5	656.2	658.6
40°	707.5	707.9	714.7	724.9	729.3	731.3	731.7	732.0	720.8	711.6	710.9
42.5°	768.0	769.7	779.2	789.1	791.1	790.1	793.5	796.9	786.0	773.5	774.5
45°	840.4	841.4	854.3	865.2	861.5	858.1	864.5	871.3	861.5	845.2	840.4
47.5°	926.1	928.1	942.0	952.9	946.8	940.7	951.2	958.3	942.4	925.0	920.6
50°	1022.9	1024.3	1044.0	1057.6	1050.4	1039.2	1052.5	1060.0	1038.5	1017.1	1007.6
52.5°	1137.4	1134.7	1160.9	1184.7	1180.3	1165.6	1176.5	1177.9	1145.9	1115.7	1106.2
55°	1277.1	1274.4	1300.6	1326.7	1337.6	1333.9	1328.8	1320.6	1273.4	1241.1	1232.2
57.5°	1439.9	1431.4	1468.1	1503.4	1527.2	1534.0	1512.3	1493.2	1455.9	1416.1	1405.9
60°	1591.1	1590.8	1648.9	1710.1	1775.3	1802.5	1747.4	1695.8	1611.8	1539.5	1524.8
62.5°	1633.6	1640.7	1735.9	1887.5	2048.5	2144.7	1999.6	1828.7	1666.6	1557.5	1538.1
65°	1528.9	1546.6	1681.9	1921.1	2239.2	2474.4	2146.7	1831.7	1605.7	1469.8	1449.4
67.5°	1126.9	1162.2	1341.3	1733.5	2222.9	2559.0	2120.6	1662.1	1394.7	1232.9	1204.7
70°	556.0	589.6	731.7	1140.5	1829.0	2287.4	1834.8	1252.6	942.0	786.4	760.6
72.5°	204.6	218.2	273.9	488.0	1009.3	1689.7	1254.7	699.7	456.4	363.3	346.0
75°	100.3	102.6	111.1	163.8	372.5	795.2	589.6	268.5	167.9	146.1	141.4
77.5°	63.9	64.9	69.0	78.2	119.6	250.5	178.8	106.0	82.2	78.8	78.8
80°	35.7	36.7	42.1	48.6	56.1	86.0	64.2	63.5	54.0	47.2	46.2
82.5°	17.0	18.7	26.8	26.5	29.6	43.2	37.7	34.3	34.7	26.2	24.8
85°	7.8	7.8	10.5	12.6	13.3	14.6	17.3	19.7	19.4	13.3	14.3
87.5°	3.7	3.7	3.7	3.4	3.1	2.7	3.7	6.1	8.8	6.1	5.8
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)