

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: P631751

Luminaire Tested: GWS-SA2B-735-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-735-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6900.6 lumens  
Efficiency: N/A  
Efficacy: 148.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

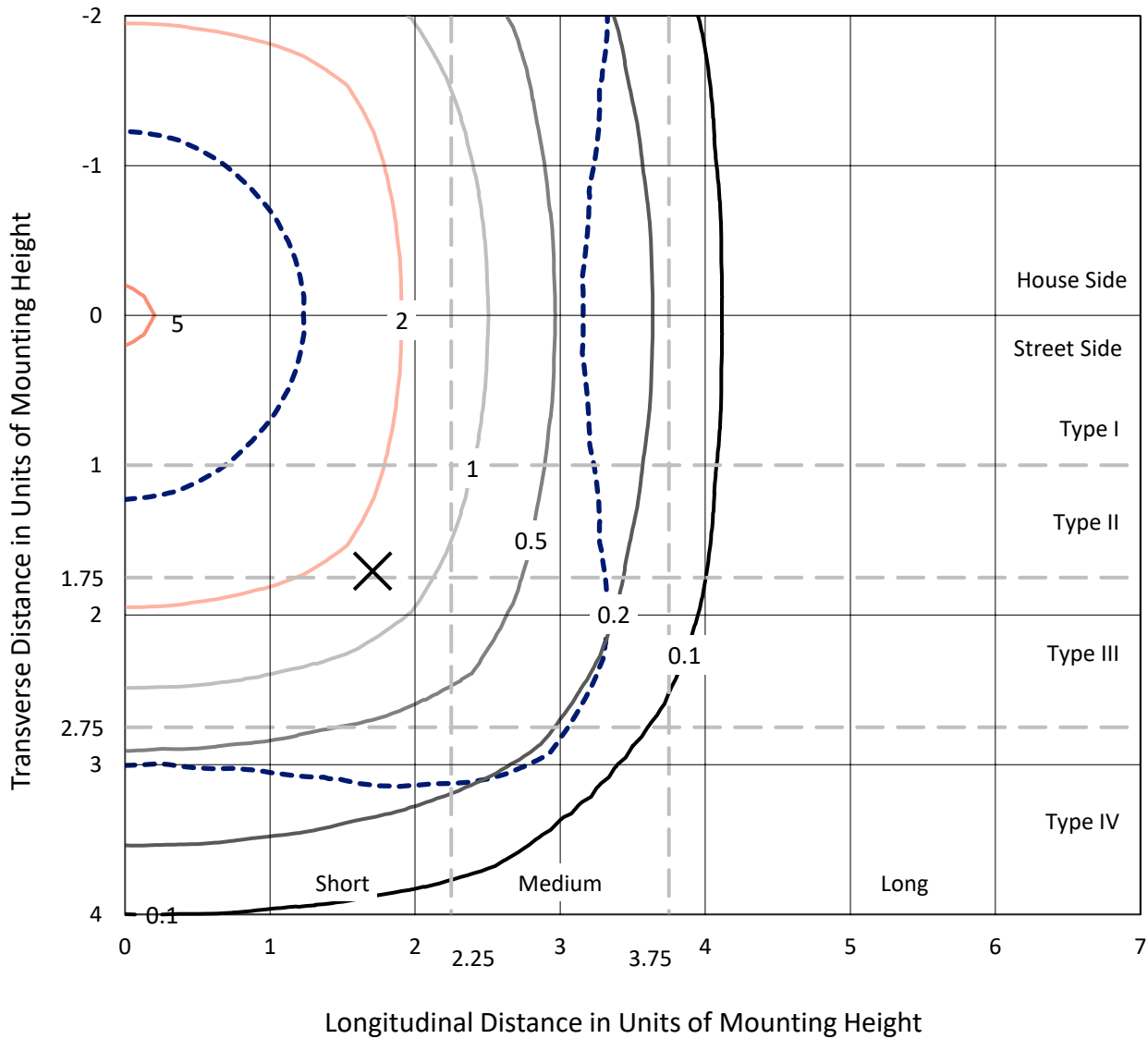
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

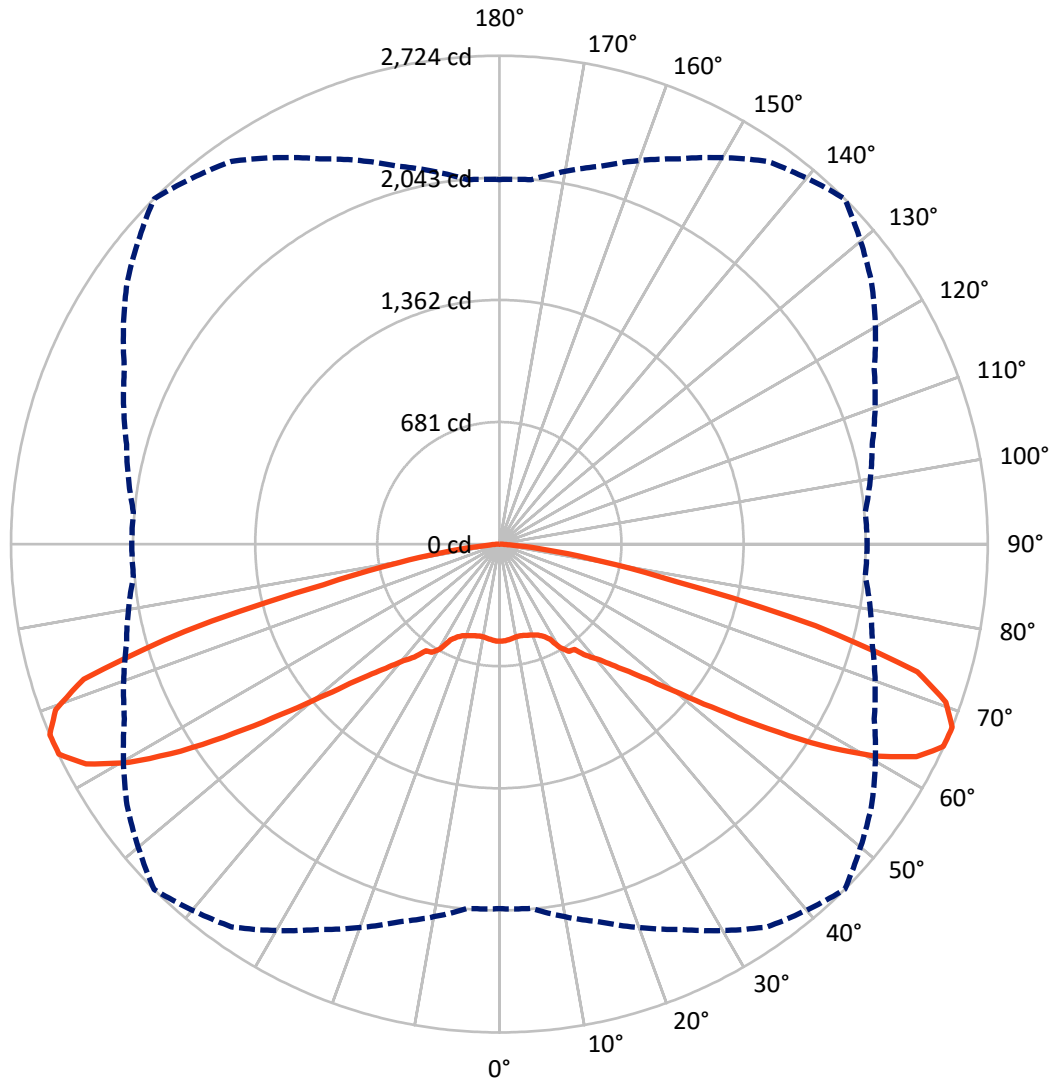
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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	3450.3	0.0	3450.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3450.3	0.0	3450.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6900.6	0.0	6900.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	0.7
10°-20°	150.8	2.2
20°-30°	270.5	3.9
30°-40°	456.9	6.6
40°-50°	802.8	11.6
50°-60°	1548.6	22.4
60°-70°	2246.9	32.6
70°-80°	1285.6	18.6
80°-90°	87.7	1.3
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°	6900.6	100.0
0°-180°	6900.6	100.0

**Coefficient of Utilization**



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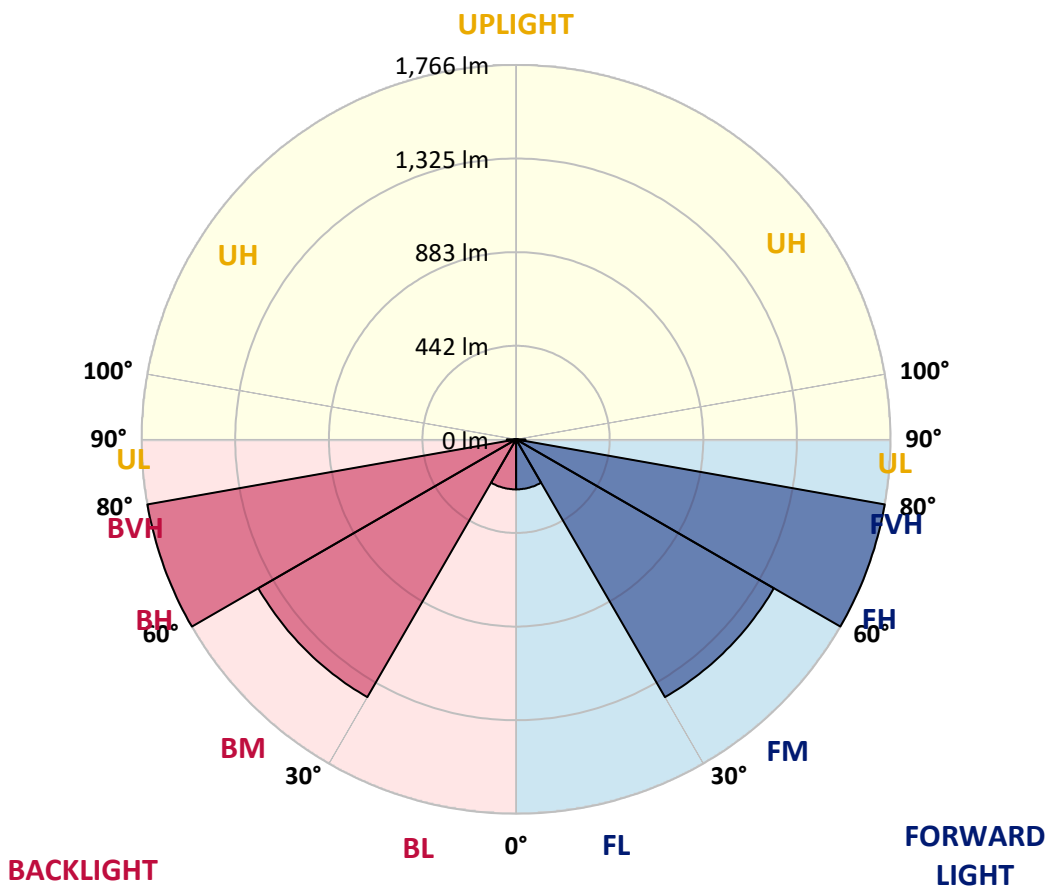
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.0	3.4			
FM (30°-60°)	1404.2	20.3			
FH (60°-80°)	1766.2	25.6			G1/1800
FVH (80°-90°)	43.9	0.6			G1/100
BL (0°-30°)	236.0	3.4	B1/500		
BM (30°-60°)	1404.2	20.3	B2/2500		
BH (60°-80°)	1766.2	25.6	B3/2500		G1/1800
BVH (80°-90°)	43.9	0.6			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°	541.1	541.1	541.1	541.1	541.1	541.1	541.1	541.1	541.1	541.1	541.1
2.5°	536.8	537.2	538.2	538.2	539.2	540.7	541.1	540.2	540.7	538.2	540.7
5°	535.3	535.8	536.3	535.3	535.3	535.8	535.8	534.8	535.3	532.9	535.3
7.5°	531.9	532.4	532.4	530.9	529.4	530.4	530.4	529.4	529.9	527.5	530.4
10°	528.9	528.9	528.5	525.5	524.1	525.5	526.0	526.5	528.5	526.5	529.9
12.5°	530.9	530.9	529.4	525.5	523.1	524.1	525.0	526.0	529.4	528.9	532.9
15°	536.3	536.8	532.9	528.5	527.0	528.5	527.5	527.0	531.4	532.9	537.2
17.5°	540.7	540.7	535.8	531.4	531.9	534.3	532.4	529.9	534.3	537.2	542.1
20°	544.6	544.1	538.7	535.8	537.7	541.1	539.7	536.3	539.2	542.6	547.0
22.5°	554.3	553.8	548.0	546.5	548.5	551.9	550.4	547.5	550.9	555.8	561.2
25°	582.1	581.2	572.4	567.5	566.5	569.0	568.5	567.5	572.9	578.7	585.1
27.5°	619.2	618.7	612.4	607.5	601.2	599.2	600.7	605.1	612.9	617.3	622.6
30°	637.8	637.8	636.8	644.6	658.3	671.4	661.2	644.6	637.8	635.8	641.2
32.5°	662.2	664.6	661.2	670.0	692.9	712.4	692.9	666.1	661.2	661.2	667.0
35°	718.3	719.3	713.9	712.4	719.7	722.2	712.9	703.2	708.5	709.5	716.8
37.5°	763.2	763.2	760.7	764.6	779.8	789.0	773.9	756.3	757.8	758.8	768.0
40°	832.5	834.4	828.6	828.1	833.9	842.2	826.1	814.9	822.7	825.1	839.3
42.5°	918.8	918.8	910.0	907.6	911.5	920.3	905.2	897.8	908.1	910.0	918.3
45°	1021.8	1024.2	1012.5	1008.1	1010.1	1013.0	1002.3	998.9	1008.6	1013.0	1027.6
47.5°	1147.2	1149.6	1139.4	1138.9	1136.9	1138.9	1128.7	1126.7	1134.5	1131.1	1146.7
50°	1301.9	1306.3	1297.5	1309.7	1308.2	1314.1	1299.9	1289.7	1289.7	1280.4	1289.2
52.5°	1475.1	1483.9	1488.3	1508.8	1524.4	1539.0	1515.6	1499.5	1476.1	1457.0	1481.0
55°	1663.9	1661.5	1689.3	1734.2	1780.1	1814.7	1768.9	1718.1	1680.0	1640.5	1649.8
57.5°	1829.4	1837.7	1874.3	1956.2	2047.0	2120.2	2037.7	1940.1	1853.8	1797.2	1805.0
60°	1967.0	1973.8	2022.6	2140.7	2299.3	2400.3	2269.5	2108.5	1983.1	1905.0	1913.3
62.5°	2093.8	2100.2	2149.5	2279.8	2479.8	2611.6	2442.7	2222.7	2083.1	2004.5	2009.4
65°	2167.0	2170.9	2238.3	2375.4	2586.2	2722.3	2532.0	2305.1	2168.0	2088.0	2090.9
67.5°	2033.8	2040.2	2182.2	2371.5	2606.7	2724.3	2535.9	2307.6	2153.4	2048.9	2051.4
70°	1604.4	1599.0	1768.4	2093.8	2489.1	2642.3	2423.2	2134.3	1896.2	1750.3	1747.9
72.5°	1223.3	1224.8	1319.0	1542.0	2029.4	2438.3	2138.2	1718.6	1461.9	1351.2	1346.8
75°	887.1	900.8	977.4	1140.9	1419.5	1822.5	1609.8	1273.6	1101.8	1035.5	1025.7
77.5°	399.6	417.2	524.1	716.3	949.1	1007.1	1011.1	864.7	652.4	542.1	525.0
80°	116.6	124.9	160.5	274.7	442.1	571.4	453.8	381.6	237.6	186.4	177.6
82.5°	49.3	56.1	68.8	76.1	128.3	265.0	164.9	104.9	97.6	79.0	72.2
85°	21.0	22.4	28.8	30.7	41.5	56.6	52.2	47.3	45.4	35.1	32.2
87.5°	8.8	8.8	8.8	7.8	7.3	7.8	10.7	13.7	18.1	14.2	13.2
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)