

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: P631748

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-735-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

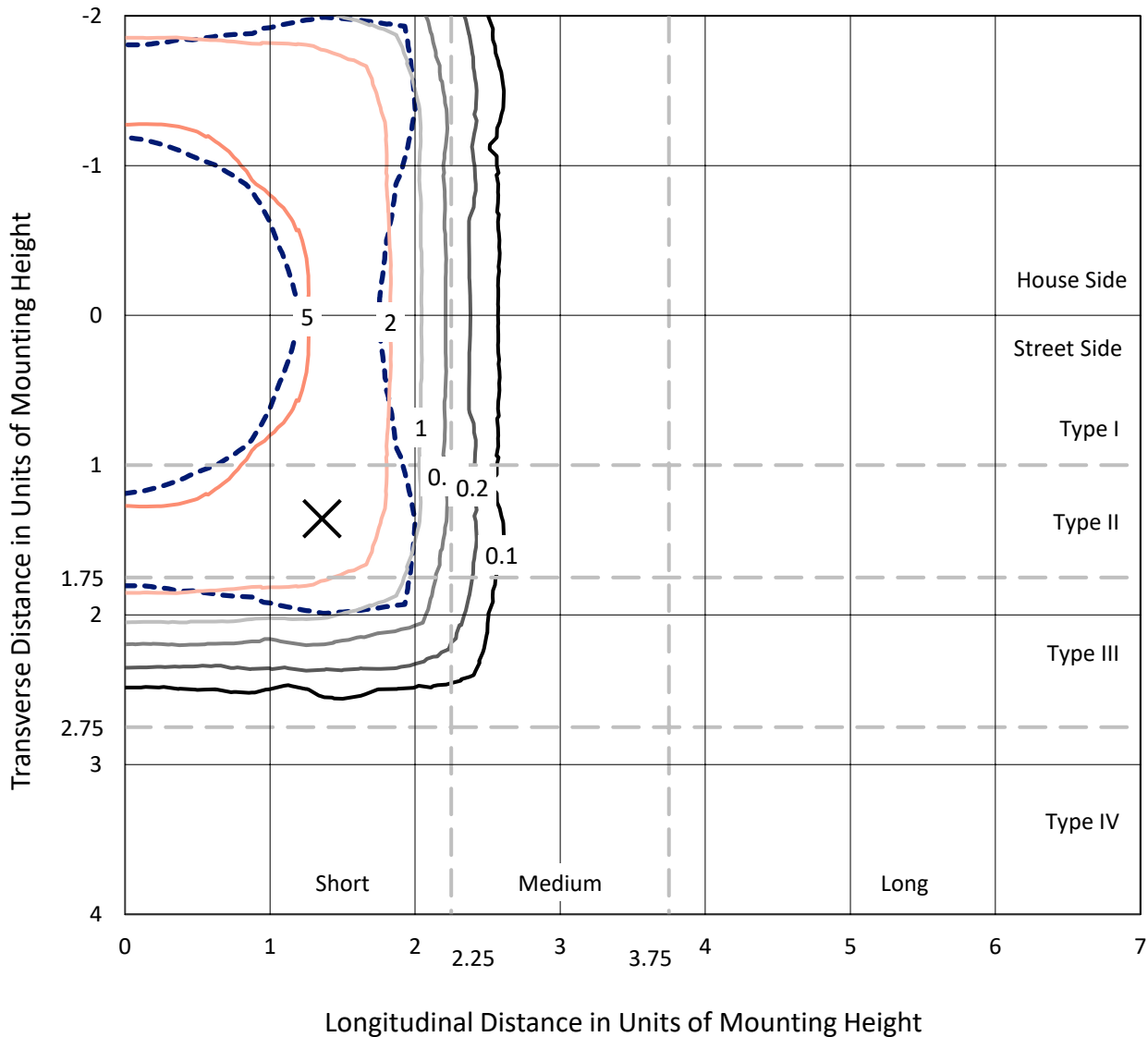
Lumens per Lamp: N/A  
Luminaire Lumens: 7114.3 lumens  
Efficiency: N/A  
Efficacy: 153.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

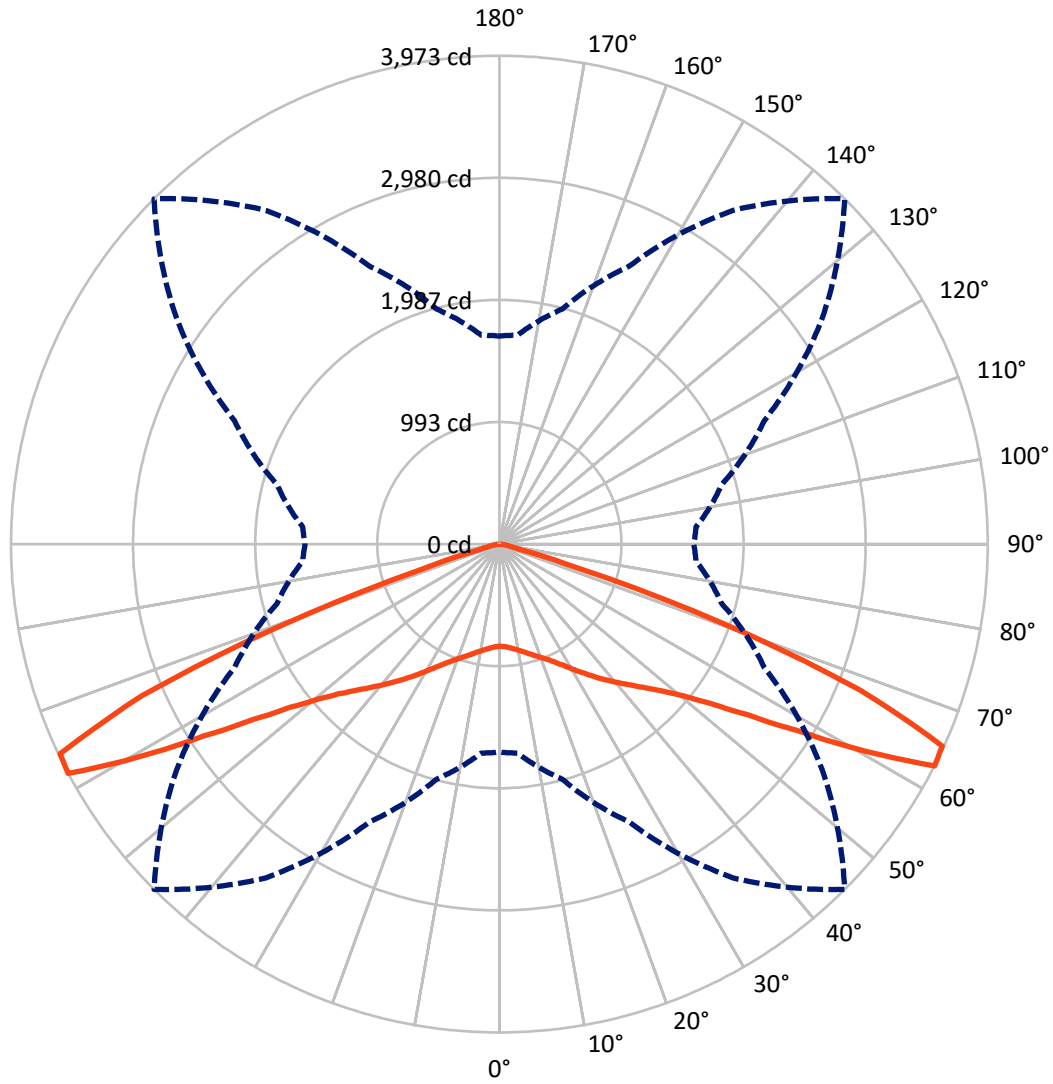
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3557.2	0.0	3557.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3557.2	0.0	3557.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7114.3	0.0	7114.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.4	1.1
10°-20°	262.6	3.7
20°-30°	496.8	7.0
30°-40°	836.2	11.8
40°-50°	1336.0	18.8
50°-60°	2153.6	30.3
60°-70°	1757.1	24.7
70°-80°	170.6	2.4
80°-90°	19.9	0.3
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°	7114.3	100.0
0°-180°	7114.3	100.0

**Coefficient of Utilization**



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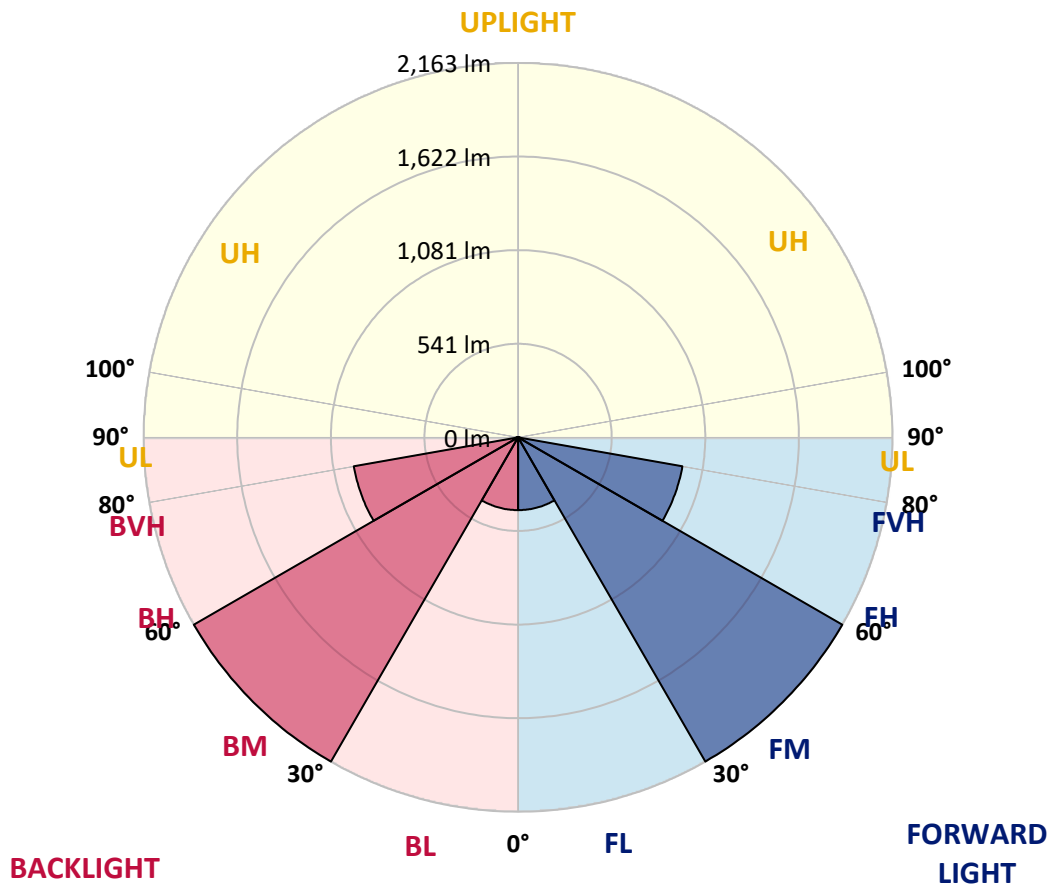
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.4	5.9			
FM (30°-60°)	2162.9	30.4			
FH (60°-80°)	963.9	13.5			G1/1800
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	420.4	5.9	B1/500		
BM (30°-60°)	2162.9	30.4	B2/2500		
BH (60°-80°)	963.9	13.5	B2/1000		G1/1800
BVH (80°-90°)	9.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0
2.5°	829.0	829.0	831.0	832.4	831.4	835.3	834.9	833.9	833.4	831.9	836.3
5°	840.2	840.2	841.7	843.2	840.7	845.6	843.6	842.7	842.2	840.2	844.1
7.5°	852.9	854.4	854.9	857.3	855.8	861.2	859.7	857.8	856.8	854.4	857.8
10°	867.1	868.0	868.5	872.9	873.4	879.7	878.3	875.8	873.9	871.5	876.3
12.5°	886.1	886.6	888.0	893.4	894.9	899.8	899.3	895.9	893.4	890.0	895.4
15°	910.5	911.0	913.4	918.8	921.2	927.1	925.1	919.8	916.3	912.4	916.8
17.5°	935.9	937.8	940.3	945.6	949.0	955.9	953.4	947.6	944.6	940.7	943.7
20°	968.6	969.0	970.5	976.4	978.8	986.6	987.1	981.2	979.8	975.9	980.3
22.5°	1004.7	1005.1	1006.6	1013.0	1017.3	1022.2	1025.2	1021.7	1019.3	1014.4	1019.8
25°	1044.7	1049.6	1051.0	1058.8	1063.7	1066.6	1070.0	1068.6	1065.2	1059.3	1061.7
27.5°	1100.8	1101.8	1104.2	1113.0	1115.9	1118.8	1122.3	1122.7	1117.9	1111.0	1114.4
30°	1164.7	1164.2	1169.6	1176.4	1178.9	1181.3	1186.2	1189.1	1182.8	1175.4	1178.9
32.5°	1230.1	1235.9	1242.8	1249.1	1247.7	1248.6	1256.4	1261.8	1253.0	1239.8	1242.8
35°	1303.8	1307.7	1316.5	1325.7	1323.8	1322.3	1327.2	1332.6	1320.4	1303.3	1307.7
37.5°	1379.4	1385.3	1398.4	1409.6	1406.7	1399.9	1405.3	1411.1	1399.4	1379.9	1377.9
40°	1463.8	1473.1	1492.1	1501.4	1493.6	1480.4	1489.7	1503.8	1492.1	1469.7	1464.3
42.5°	1562.9	1574.1	1593.1	1607.3	1590.2	1568.7	1584.3	1604.8	1601.9	1572.1	1562.9
45°	1685.3	1692.6	1716.1	1722.9	1697.5	1667.8	1696.1	1727.3	1720.0	1687.8	1675.6
47.5°	1818.5	1829.8	1850.3	1862.9	1822.0	1784.9	1824.4	1866.4	1858.5	1828.3	1814.1
50°	1988.3	2003.0	2029.8	2040.5	1983.9	1941.5	1992.2	2045.4	2030.3	1989.8	1971.3
52.5°	2173.3	2185.0	2230.8	2252.3	2199.1	2153.3	2197.7	2249.9	2217.7	2164.0	2139.1
55°	2336.2	2347.9	2415.3	2486.5	2484.1	2452.4	2474.8	2475.8	2388.4	2299.6	2273.3
57.5°	2371.4	2383.1	2511.4	2697.8	2829.5	2866.1	2800.3	2661.7	2441.6	2286.0	2256.2
60°	2184.0	2197.2	2401.1	2741.7	3175.0	3419.5	3116.0	2657.8	2277.2	2066.4	2038.1
62.5°	1692.2	1706.3	1980.5	2491.9	3314.5	3973.3	3207.7	2378.2	1873.2	1606.3	1581.4
65°	808.0	808.0	1156.4	1787.3	3036.4	3960.1	2942.3	1759.5	1127.6	866.1	844.6
67.5°	200.1	201.0	297.6	695.8	2065.4	3160.4	2099.1	844.6	397.2	281.1	273.7
70°	124.9	124.4	138.1	188.3	722.6	1918.1	858.3	254.7	161.5	142.5	141.5
72.5°	97.1	97.1	103.9	120.5	189.3	653.3	250.3	141.5	117.1	105.4	105.4
75°	76.6	76.6	81.5	90.3	111.7	168.3	133.2	104.9	90.8	82.9	82.0
77.5°	57.1	58.1	62.0	67.8	76.1	94.7	84.4	79.0	70.8	64.9	62.9
80°	37.1	38.5	43.4	46.8	49.8	62.5	55.1	57.6	53.7	46.8	45.9
82.5°	20.0	20.5	26.3	27.3	28.3	34.2	35.1	36.6	38.1	29.8	27.8
85°	7.3	7.3	8.8	10.2	11.2	12.2	16.6	20.5	21.5	17.1	16.6
87.5°	1.5	1.5	1.5	1.0	1.0	1.0	2.9	5.4	8.8	6.8	6.8
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)