

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: P636756

Luminaire Tested: GWS-SA4B-740-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636756  
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-SA4B-740-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

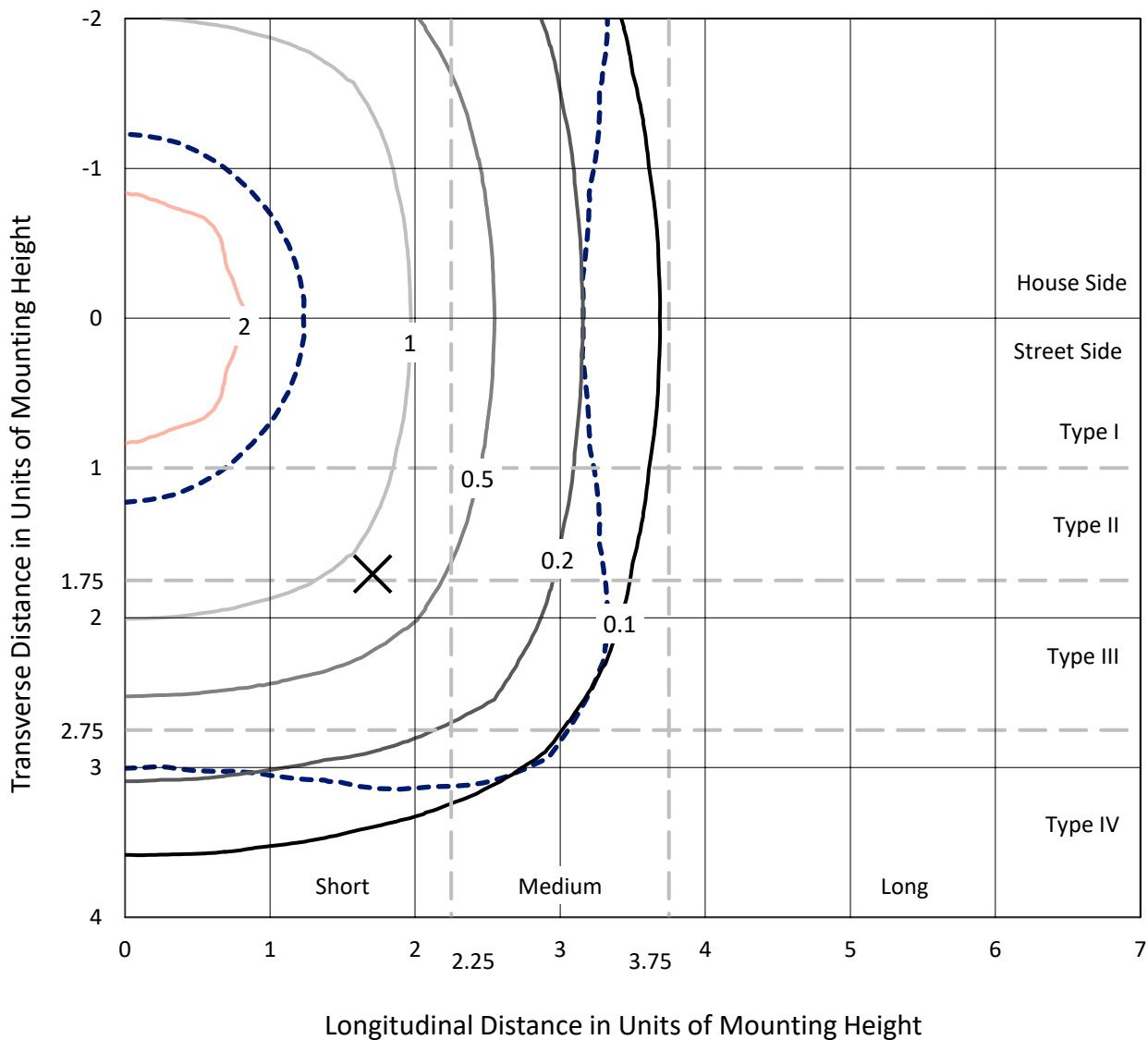
Lumens per Lamp: N/A  
Luminaire Lumens: 14674 lumens  
Efficiency: N/A  
Efficacy: 155.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

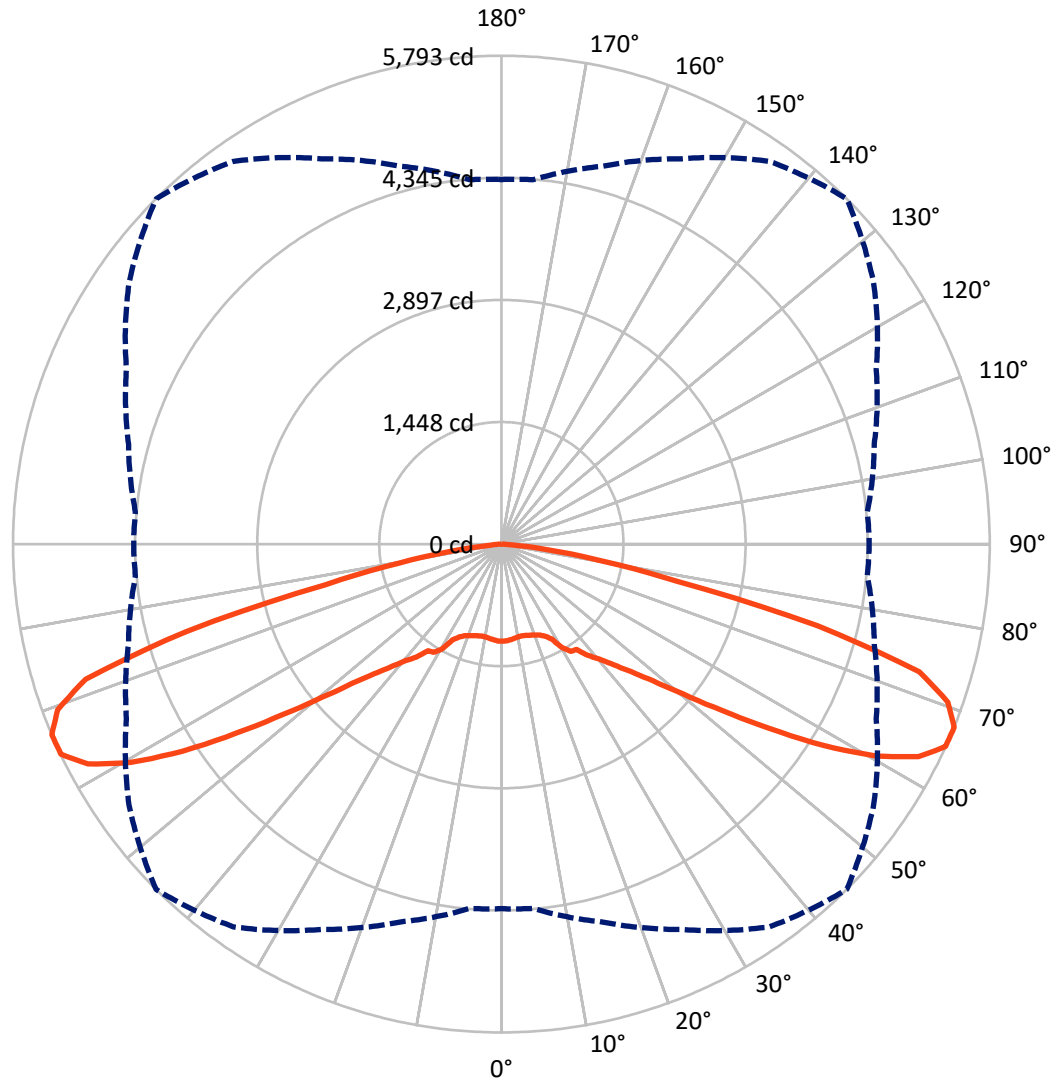
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 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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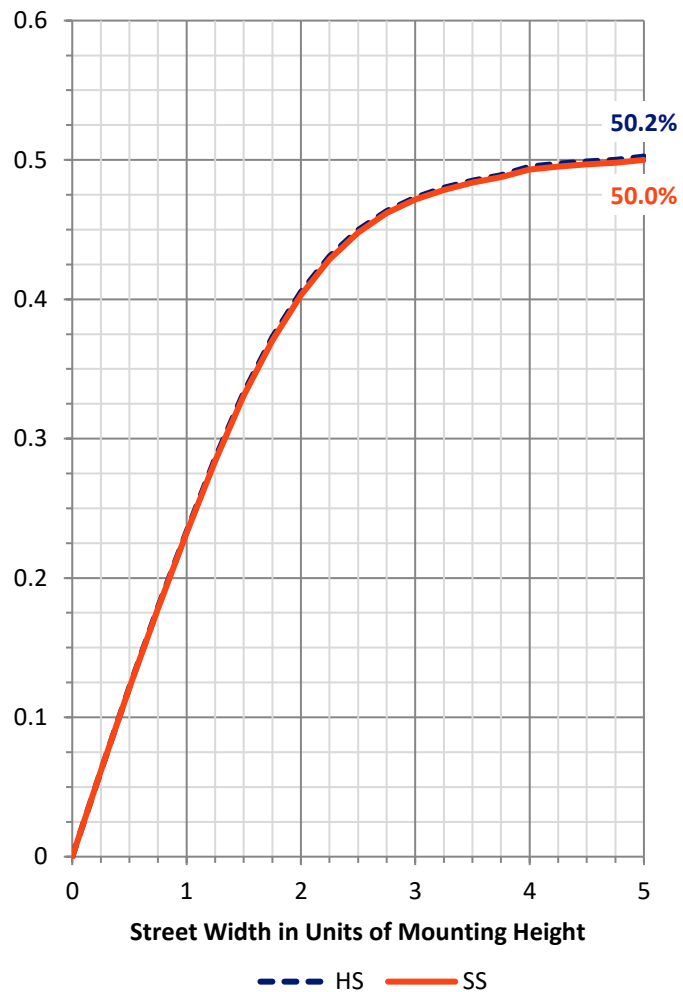
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7337.0	0.0	7337.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7337.0	0.0	7337.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14674.0	0.0	14674.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.0	0.7
10°-20°	320.6	2.2
20°-30°	575.2	3.9
30°-40°	971.6	6.6
40°-50°	1707.1	11.6
50°-60°	3293.2	22.4
60°-70°	4777.9	32.6
70°-80°	2733.7	18.6
80°-90°	186.6	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°	14674.0	100.0
0°-180°	14674.0	100.0

**Coefficient of Utilization**



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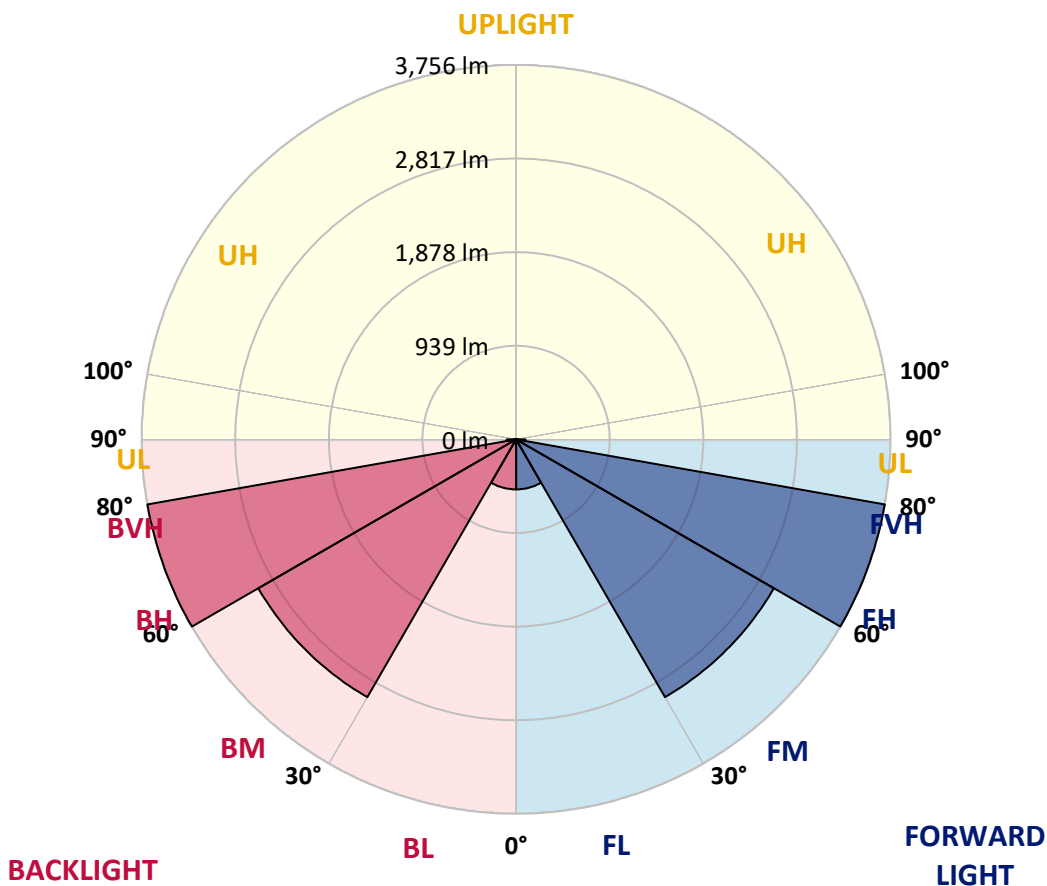
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	501.9	3.4			
FM (30°-60°)	2986.0	20.3			
FH (60°-80°)	3755.8	25.6			G2/5000
FVH (80°-90°)	93.3	0.6			G1/100
BL (0°-30°)	501.9	3.4	B2/1000		
BM (30°-60°)	2986.0	20.3	B3/5000		
BH (60°-80°)	3755.8	25.6	B4/5000		G2/5000
BVH (80°-90°)	93.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1150.7	1150.7	1150.7	1150.7	1150.7	1150.7	1150.7	1150.7	1150.7	1150.7	1150.7
2.5°	1141.4	1142.4	1144.5	1144.5	1146.6	1149.7	1150.7	1148.7	1149.7	1144.5	1149.7
5°	1138.3	1139.3	1140.4	1138.3	1138.3	1139.3	1139.3	1137.3	1138.3	1133.1	1138.3
7.5°	1131.0	1132.1	1132.1	1129.0	1125.8	1127.9	1127.9	1125.8	1126.9	1121.7	1127.9
10°	1124.8	1124.8	1123.8	1117.5	1114.4	1117.5	1118.6	1119.6	1123.8	1119.6	1126.9
12.5°	1129.0	1129.0	1125.8	1117.5	1112.3	1114.4	1116.5	1118.6	1125.8	1124.8	1133.1
15°	1140.4	1141.4	1133.1	1123.8	1120.6	1123.8	1121.7	1120.6	1130.0	1133.1	1142.4
17.5°	1149.7	1149.7	1139.3	1130.0	1131.0	1136.2	1132.1	1126.9	1136.2	1142.4	1152.8
20°	1158.0	1157.0	1145.6	1139.3	1143.5	1150.7	1147.6	1140.4	1146.6	1153.9	1163.2
22.5°	1178.8	1177.7	1165.3	1162.2	1166.3	1173.6	1170.5	1164.2	1171.5	1181.9	1193.3
25°	1237.9	1235.8	1217.1	1206.8	1204.7	1209.9	1208.8	1206.8	1218.2	1230.6	1244.1
27.5°	1316.8	1315.7	1302.2	1291.9	1278.4	1274.2	1277.3	1286.7	1303.3	1312.6	1324.0
30°	1356.2	1356.2	1354.1	1370.7	1399.8	1427.8	1406.0	1370.7	1356.2	1352.0	1363.5
32.5°	1408.1	1413.3	1406.0	1424.7	1473.4	1515.0	1473.4	1416.4	1406.0	1406.0	1418.5
35°	1527.4	1529.5	1518.1	1515.0	1530.5	1535.7	1516.0	1495.2	1506.7	1508.7	1524.3
37.5°	1622.9	1622.9	1617.7	1626.0	1658.1	1677.9	1645.7	1608.3	1611.5	1613.5	1633.2
40°	1770.2	1774.4	1761.9	1760.9	1773.3	1791.0	1756.7	1732.9	1749.5	1754.6	1784.7
42.5°	1953.9	1953.9	1935.2	1930.0	1938.3	1957.0	1924.8	1909.3	1931.0	1935.2	1952.8
45°	2172.8	2178.0	2153.1	2143.8	2147.9	2154.1	2131.3	2124.0	2144.8	2154.1	2185.3
47.5°	2439.5	2444.7	2422.9	2421.8	2417.7	2421.8	2400.1	2395.9	2412.5	2405.2	2438.5
50°	2768.4	2777.8	2759.1	2785.0	2781.9	2794.4	2764.3	2742.5	2742.5	2722.8	2741.4
52.5°	3136.8	3155.5	3164.8	3208.4	3241.6	3272.7	3222.9	3188.7	3138.9	3098.4	3149.2
55°	3538.3	3533.2	3592.3	3687.8	3785.3	3859.0	3761.4	3653.5	3572.6	3488.5	3508.3
57.5°	3890.1	3907.7	3985.6	4159.9	4352.9	4508.5	4333.2	4125.7	3942.0	3821.6	3838.2
60°	4182.7	4197.2	4301.0	4552.1	4889.4	5104.1	4826.1	4483.6	4217.0	4050.9	4068.6
62.5°	4452.5	4466.0	4570.8	4847.8	5273.3	5553.4	5194.4	4726.4	4429.7	4262.6	4273.0
65°	4608.2	4616.5	4759.6	5051.2	5499.5	5789.0	5384.3	4901.8	4610.2	4440.1	4446.3
67.5°	4324.9	4338.4	4640.3	5042.9	5543.1	5793.1	5392.6	4907.0	4579.1	4357.0	4362.2
70°	3411.8	3400.3	3760.4	4452.5	5293.0	5618.8	5152.9	4538.6	4032.3	3722.0	3716.8
72.5°	2601.4	2604.5	2804.7	3278.9	4315.5	5185.1	4546.9	3654.6	3108.8	2873.2	2863.9
75°	1886.4	1915.5	2078.4	2426.0	3018.5	3875.6	3423.2	2708.2	2343.0	2201.9	2181.1
77.5°	849.8	887.2	1114.4	1523.3	2018.2	2141.7	2150.0	1838.7	1387.3	1152.8	1116.5
80°	248.0	265.6	341.4	584.2	940.1	1215.1	965.0	811.4	505.3	396.4	377.7
82.5°	104.8	119.3	146.3	161.9	272.9	563.4	350.7	223.1	207.5	168.1	153.6
85°	44.6	47.7	61.2	65.4	88.2	120.4	111.0	100.7	96.5	74.7	68.5
87.5°	18.7	18.7	18.7	16.6	15.6	16.6	22.8	29.1	38.4	30.1	28.0
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)