

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: P629327

Luminaire Tested: GWS-SA1B-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629327  
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-SA1B-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3711.6 lumens  
Efficiency: N/A  
Efficacy: 148.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

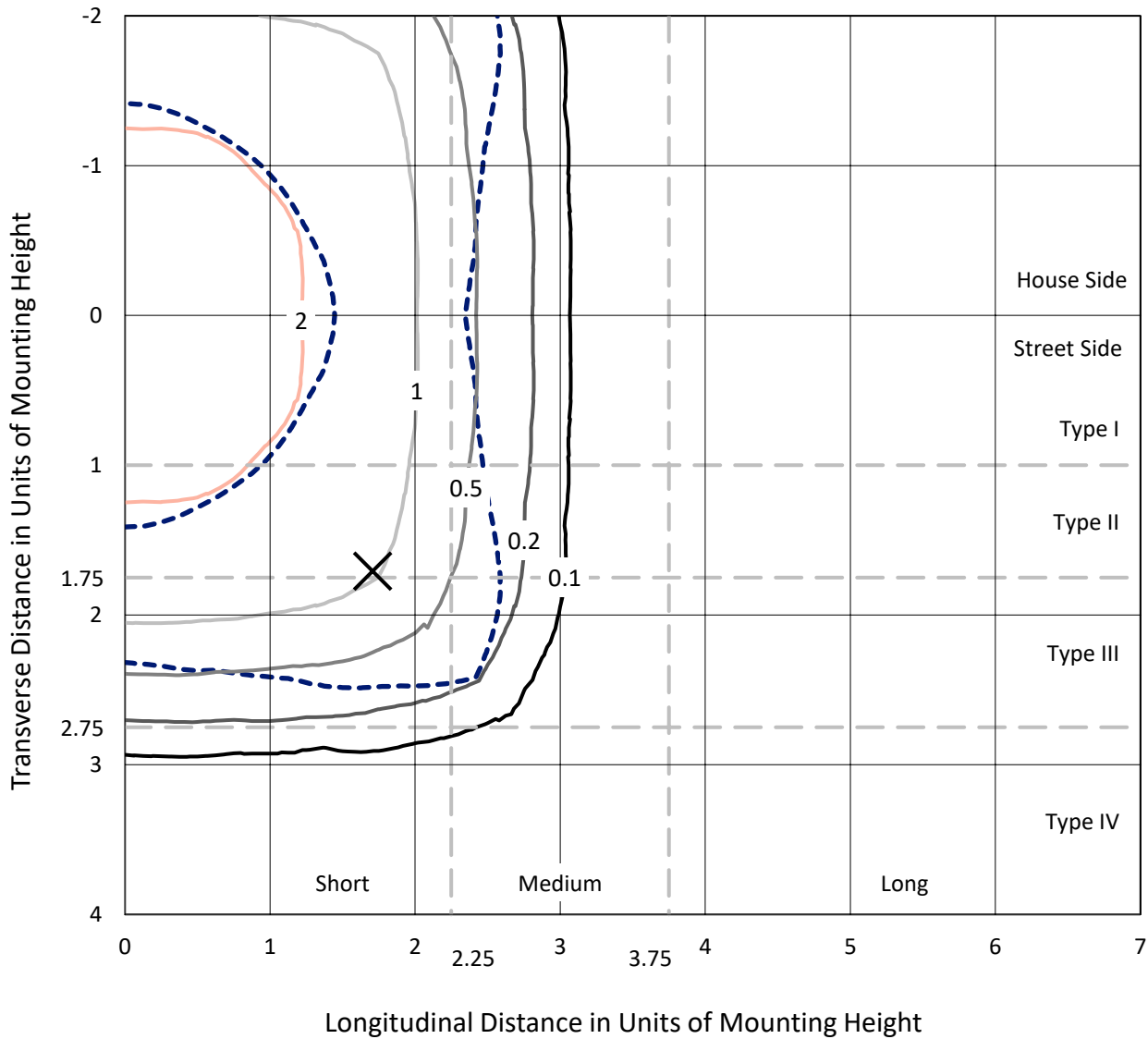
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

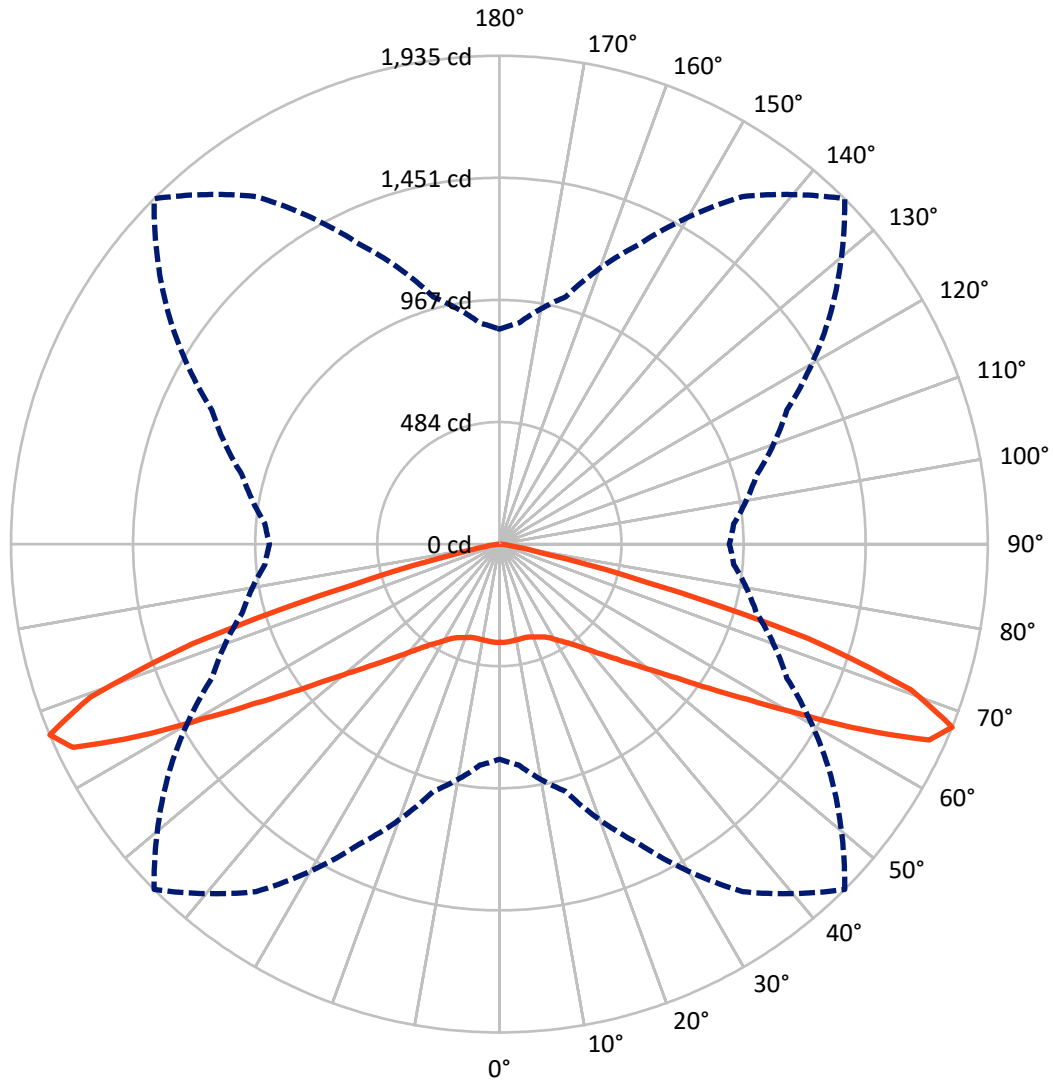
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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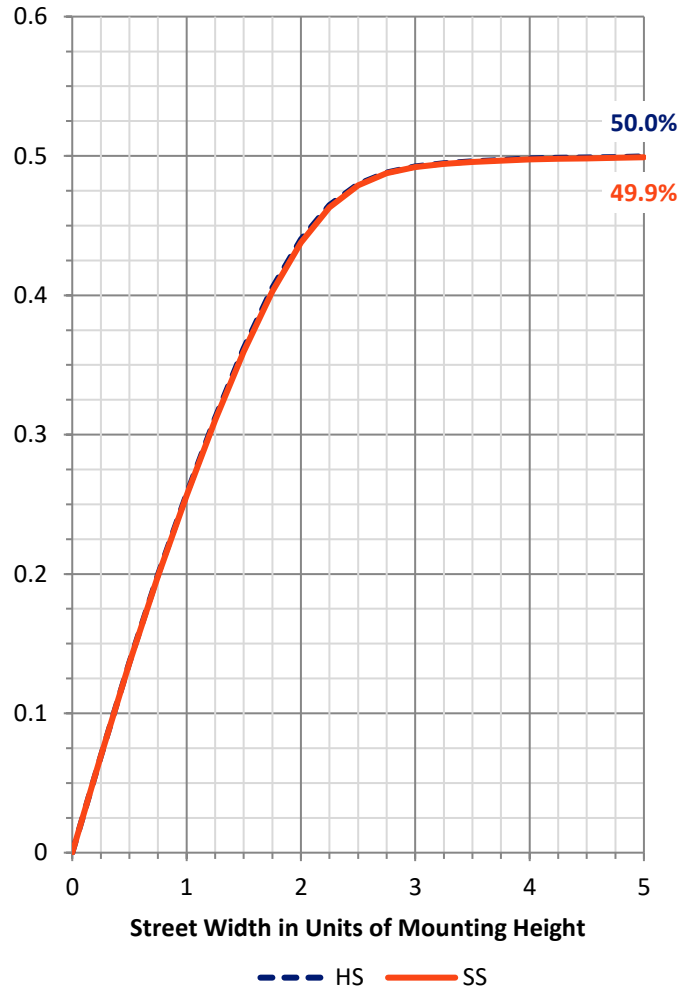
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1855.8	0.0	1855.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1855.8	0.0	1855.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3711.6	0.0	3711.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.8	1.0
10°-20°	108.1	2.9
20°-30°	186.4	5.0
30°-40°	303.0	8.2
40°-50°	510.3	13.7
50°-60°	904.1	24.4
60°-70°	1292.4	34.8
70°-80°	354.7	9.6
80°-90°	15.9	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°	3711.6	100.0
0°-180°	3711.6	100.0

**Coefficient of Utilization**



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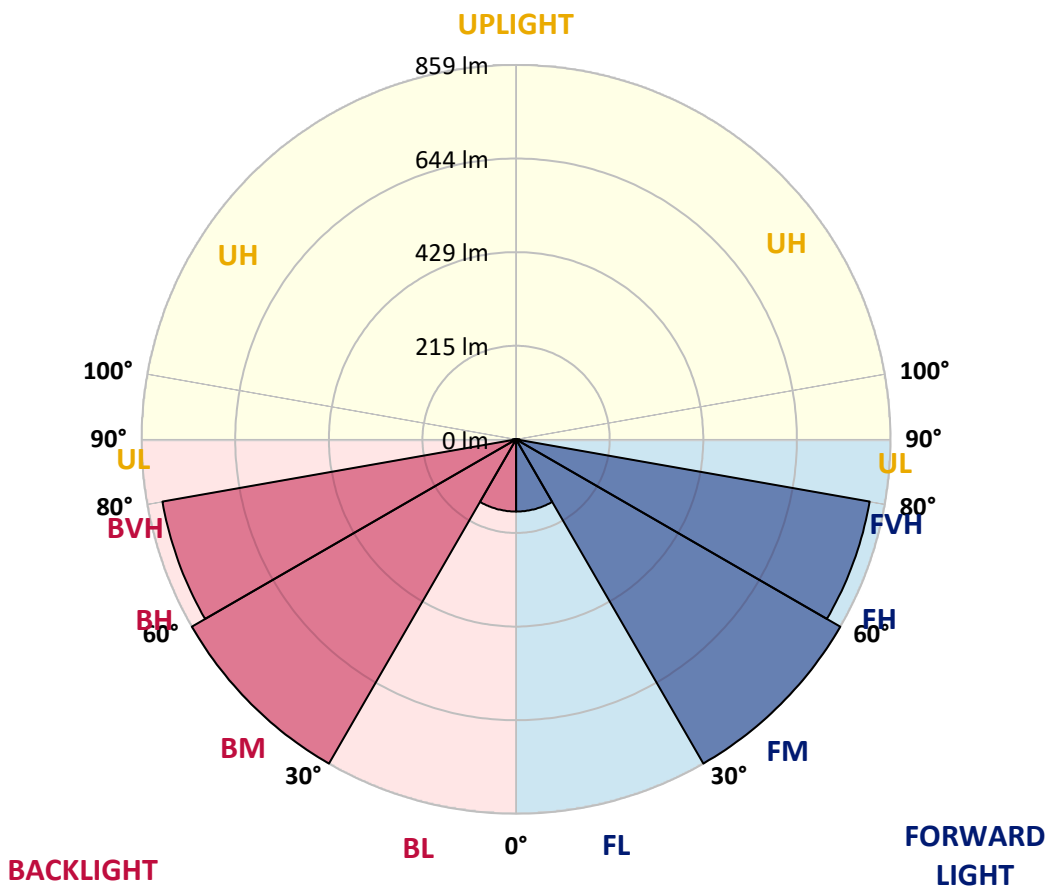
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.6	4.5			
FM (30°-60°)	858.7	23.1			
FH (60°-80°)	823.5	22.2			G1/1800
FVH (80°-90°)	7.9	0.2			G0/10
BL (0°-30°)	165.6	4.5	B1/500		
BM (30°-60°)	858.7	23.1	B1/1000		
BH (60°-80°)	823.5	22.2	B2/1000		G1/1800
BVH (80°-90°)	7.9	0.2			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°	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7
2.5°	386.2	385.9	387.2	388.0	387.7	389.5	389.2	388.7	388.7	388.0	390.0
5°	386.2	385.9	386.9	387.2	386.7	388.2	387.7	387.2	387.2	386.2	388.0
7.5°	384.1	384.4	385.1	385.6	385.1	386.4	385.6	384.6	384.4	383.3	385.1
10°	380.2	380.5	381.3	382.6	382.8	385.1	383.8	382.0	381.3	380.2	382.0
12.5°	377.9	378.2	379.0	380.5	381.0	384.1	382.8	380.0	378.7	377.7	379.5
15°	377.4	377.7	378.7	380.2	381.0	384.1	382.8	379.5	377.7	376.4	377.9
17.5°	377.4	377.9	379.5	381.8	383.3	386.4	384.9	381.0	378.4	376.1	377.7
20°	377.7	378.4	380.8	384.1	388.0	392.3	390.3	385.1	381.5	378.7	379.7
22.5°	380.0	381.3	384.1	388.5	394.1	399.3	397.5	390.5	385.4	381.5	382.6
25°	388.0	388.5	392.1	397.7	403.1	407.5	405.7	399.3	392.8	388.2	389.5
27.5°	402.1	403.4	406.5	412.4	417.0	419.3	419.0	414.7	408.3	404.1	405.2
30°	419.0	420.3	424.4	431.1	435.7	438.3	437.5	434.2	428.3	422.6	423.7
32.5°	438.8	439.3	444.2	451.7	456.6	460.4	457.8	454.2	446.8	440.1	440.6
35°	464.0	464.8	469.9	476.8	480.7	483.8	483.3	479.7	471.7	464.5	466.3
37.5°	495.6	496.1	500.7	509.5	512.6	514.9	515.4	513.6	505.4	496.1	497.9
40°	534.9	535.2	540.3	548.0	551.4	552.9	553.2	553.4	544.9	538.0	537.5
42.5°	580.6	581.9	589.1	596.6	598.1	597.3	599.9	602.5	594.3	584.8	585.5
45°	635.4	636.1	645.9	654.1	651.3	648.7	653.6	658.8	651.3	639.0	635.4
47.5°	700.1	701.7	712.2	720.4	715.8	711.2	719.1	724.5	712.4	699.3	696.0
50°	773.3	774.4	789.3	799.5	794.1	785.7	795.7	801.3	785.2	769.0	761.8
52.5°	859.9	857.9	877.6	895.6	892.3	881.2	889.5	890.5	866.3	843.5	836.3
55°	965.5	963.5	983.2	1003.0	1011.2	1008.4	1004.6	998.4	962.7	938.3	931.6
57.5°	1088.6	1082.2	1109.9	1136.6	1154.6	1159.8	1143.3	1128.9	1100.7	1070.6	1062.9
60°	1202.9	1202.7	1246.6	1292.8	1342.2	1362.7	1321.1	1282.0	1218.6	1163.9	1152.8
62.5°	1235.0	1240.4	1312.4	1427.0	1548.7	1621.4	1511.7	1382.5	1260.0	1177.5	1162.8
65°	1155.9	1169.3	1271.5	1452.4	1692.9	1870.7	1623.0	1384.8	1214.0	1111.2	1095.8
67.5°	852.0	878.7	1014.1	1310.6	1680.5	1934.6	1603.2	1256.6	1054.4	932.1	910.8
70°	420.3	445.8	553.2	862.2	1382.8	1729.3	1387.1	947.0	712.2	594.5	575.0
72.5°	154.7	164.9	207.1	368.9	763.1	1277.4	948.6	529.0	345.0	274.7	261.5
75°	75.8	77.6	84.0	123.8	281.6	601.2	445.8	203.0	126.9	110.5	106.9
77.5°	48.3	49.1	52.2	59.1	90.4	189.4	135.1	80.2	62.2	59.6	59.6
80°	27.0	27.7	31.9	36.7	42.4	65.0	48.6	48.0	40.9	35.7	34.9
82.5°	12.8	14.1	20.3	20.0	22.4	32.6	28.5	25.9	26.2	19.8	18.8
85°	5.9	5.9	8.0	9.5	10.0	11.0	13.1	14.9	14.6	10.0	10.8
87.5°	2.8	2.8	2.8	2.6	2.3	2.1	2.8	4.6	6.7	4.6	4.4
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)