

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: P632845

Luminaire Tested: GWS-SA2D-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632845  
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-SA2D-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

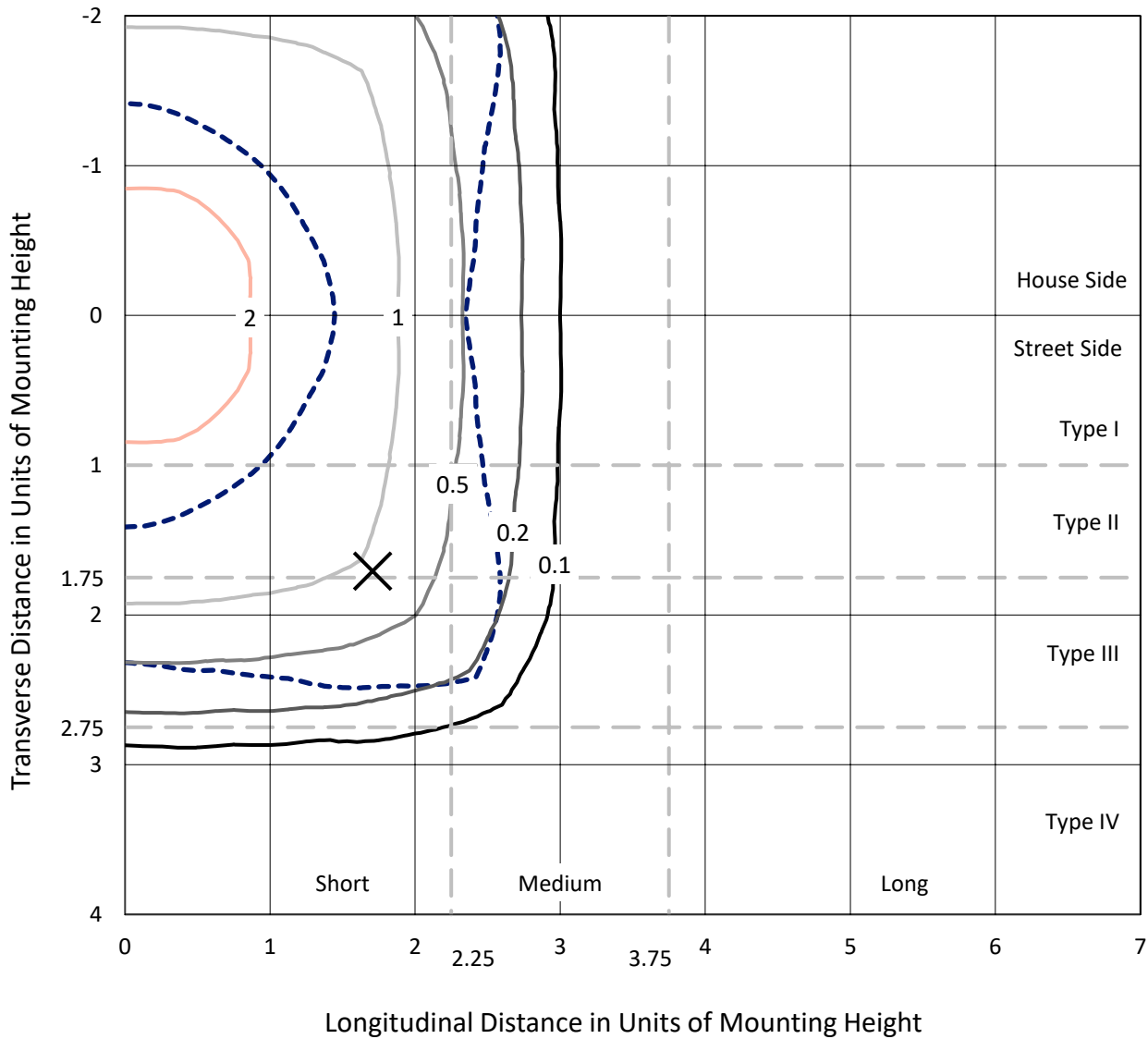
Lumens per Lamp: N/A  
Luminaire Lumens: 12368.8 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

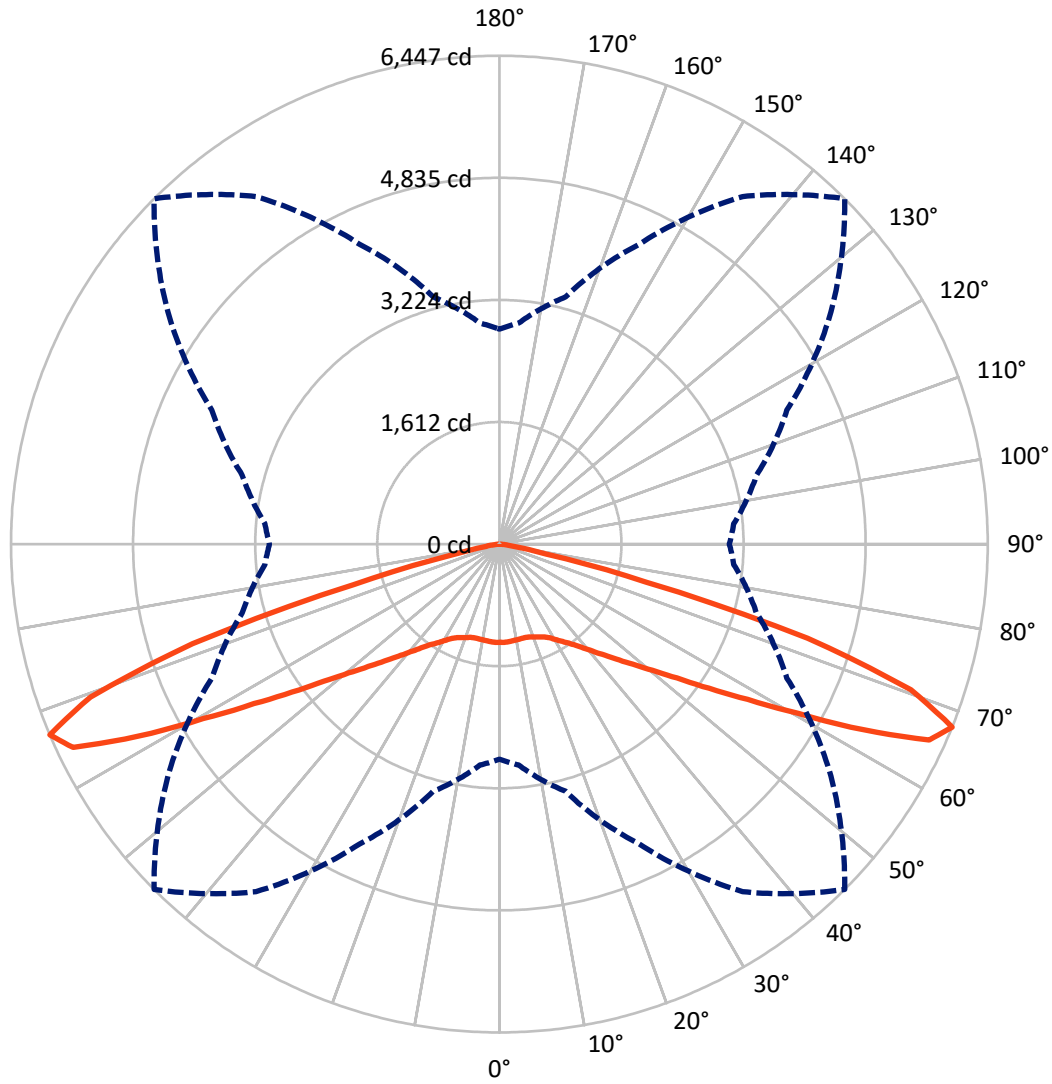
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 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	6184.4	0.0	6184.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6184.4	0.0	6184.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12368.8	0.0	12368.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.6	1.0
10°-20°	360.1	2.9
20°-30°	621.1	5.0
30°-40°	1009.9	8.2
40°-50°	1700.5	13.7
50°-60°	3012.9	24.4
60°-70°	4306.7	34.8
70°-80°	1182.0	9.6
80°-90°	53.0	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°	12368.8	100.0
0°-180°	12368.8	100.0

**Coefficient of Utilization**



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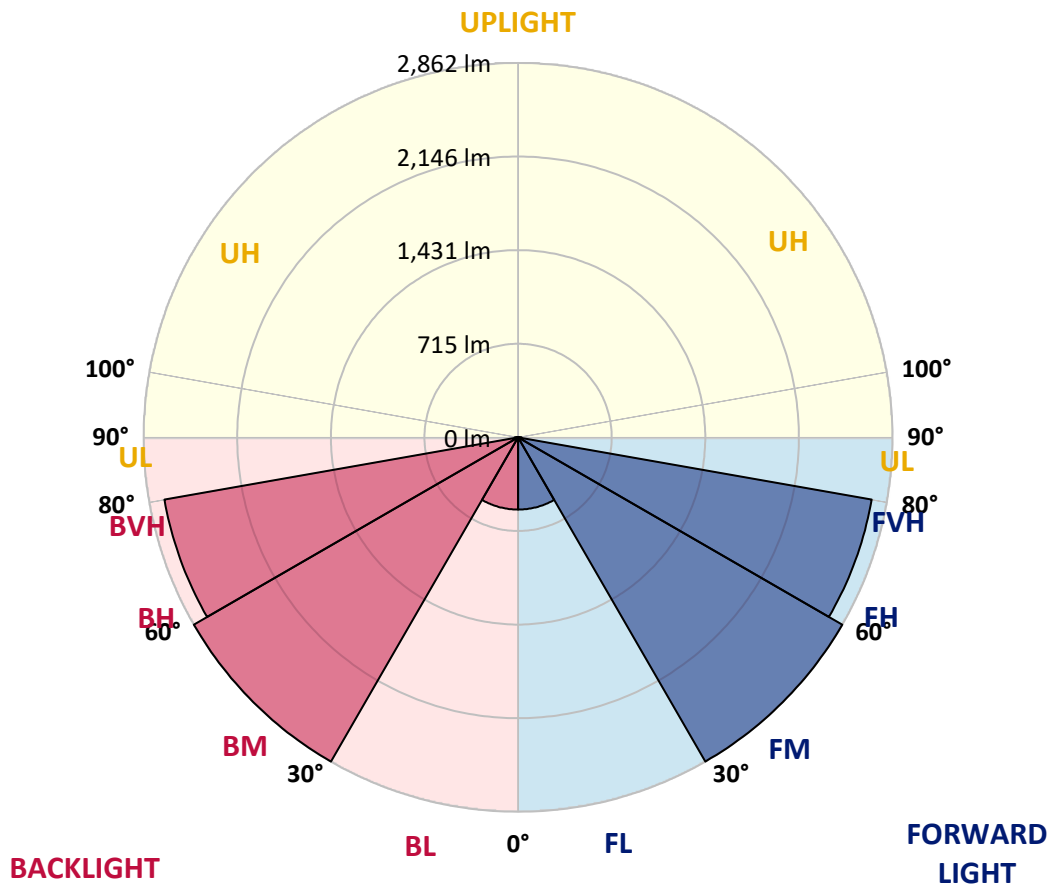
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.9	4.5			
FM (30°-60°)	2861.6	23.1			
FH (60°-80°)	2744.4	22.2			G2/5000
FVH (80°-90°)	26.5	0.2			G1/100
BL (0°-30°)	551.9	4.5	B2/1000		
BM (30°-60°)	2861.6	23.1	B3/5000		
BH (60°-80°)	2744.4	22.2	B4/5000		G2/5000
BVH (80°-90°)	26.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4
2.5°	1286.9	1286.0	1290.3	1292.8	1292.0	1298.0	1297.1	1295.4	1295.4	1292.8	1299.7
5°	1286.9	1286.0	1289.4	1290.3	1288.6	1293.7	1292.0	1290.3	1290.3	1286.9	1292.8
7.5°	1280.0	1280.9	1283.4	1285.1	1283.4	1287.7	1285.1	1281.7	1280.9	1277.4	1283.4
10°	1267.2	1268.0	1270.6	1274.9	1275.7	1283.4	1279.1	1273.2	1270.6	1267.2	1273.2
12.5°	1259.5	1260.3	1262.9	1268.0	1269.7	1280.0	1275.7	1266.3	1262.0	1258.6	1264.6
15°	1257.7	1258.6	1262.0	1267.2	1269.7	1280.0	1275.7	1264.6	1258.6	1254.3	1259.5
17.5°	1257.7	1259.5	1264.6	1272.3	1277.4	1287.7	1282.6	1269.7	1261.2	1253.5	1258.6
20°	1258.6	1261.2	1268.9	1280.0	1292.8	1307.4	1300.6	1283.4	1271.4	1262.0	1265.4
22.5°	1266.3	1270.6	1280.0	1294.6	1313.4	1330.5	1324.5	1301.4	1284.3	1271.4	1274.9
25°	1292.8	1294.6	1306.5	1325.4	1343.4	1357.9	1351.9	1330.5	1309.1	1293.7	1298.0
27.5°	1339.9	1344.2	1354.5	1374.2	1389.6	1397.3	1396.4	1381.9	1360.5	1346.8	1350.2
30°	1396.4	1400.7	1414.4	1436.7	1452.1	1460.7	1458.1	1447.0	1427.3	1408.4	1411.9
32.5°	1462.4	1464.1	1480.4	1505.2	1521.4	1534.3	1525.7	1513.7	1488.9	1466.7	1468.4
35°	1546.3	1548.8	1566.0	1589.1	1601.9	1612.2	1610.5	1598.5	1572.0	1548.0	1554.0
37.5°	1651.6	1653.3	1668.7	1697.8	1708.1	1715.8	1717.5	1711.5	1684.1	1653.3	1659.3
40°	1782.6	1783.4	1800.6	1826.3	1837.4	1842.5	1843.4	1844.2	1816.0	1792.9	1791.1
42.5°	1935.0	1939.3	1963.2	1988.1	1993.2	1990.6	1999.2	2007.8	1980.4	1948.7	1951.3
45°	2117.4	2119.9	2152.5	2179.9	2170.4	2161.9	2178.1	2195.3	2170.4	2129.3	2117.4
47.5°	2333.1	2338.3	2373.4	2400.8	2385.3	2369.9	2396.5	2414.5	2374.2	2330.5	2319.4
50°	2577.1	2580.6	2630.2	2664.5	2646.5	2618.2	2651.6	2670.5	2616.5	2562.6	2538.6
52.5°	2865.7	2858.8	2924.7	2984.7	2973.5	2936.7	2964.1	2967.6	2887.1	2810.9	2786.9
55°	3217.6	3210.7	3276.6	3342.6	3370.0	3360.5	3347.7	3327.2	3208.1	3126.8	3104.5
57.5°	3627.7	3606.3	3698.7	3787.8	3847.7	3864.8	3810.0	3762.1	3667.9	3567.7	3542.1
60°	4008.7	4007.8	4154.2	4308.3	4472.7	4541.2	4402.5	4272.4	4060.9	3878.5	3841.7
62.5°	4115.7	4133.7	4373.4	4755.3	5161.1	5403.4	5037.8	4607.2	4198.8	3923.9	3875.1
65°	3852.0	3896.5	4237.3	4840.0	5641.4	6233.9	5408.5	4614.9	4045.5	3703.0	3651.6
67.5°	2839.1	2928.2	3379.4	4367.4	5600.3	6447.1	5342.6	4187.6	3513.8	3106.3	3035.2
70°	1400.7	1485.5	1843.4	2873.4	4608.0	5763.0	4622.6	3155.9	2373.4	1981.2	1916.2
72.5°	515.4	549.7	690.1	1229.5	2542.9	4257.0	3161.0	1762.9	1149.9	915.3	871.6
75°	252.6	258.6	280.0	412.7	938.4	2003.5	1485.5	676.4	423.0	368.2	356.2
77.5°	161.0	163.5	173.8	196.9	301.4	631.0	450.4	267.1	207.2	198.6	198.6
80°	89.9	92.5	106.2	122.4	141.3	216.6	161.8	160.1	136.1	119.0	116.4
82.5°	42.8	47.1	67.6	66.8	74.5	108.7	95.0	86.5	87.3	65.9	62.5
85°	19.7	19.7	26.5	31.7	33.4	36.8	43.7	49.7	48.8	33.4	36.0
87.5°	9.4	9.4	9.4	8.6	7.7	6.8	9.4	15.4	22.3	15.4	14.6
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)