

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: P635546

Luminaire Tested: GWS-SA3E-722-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635546  
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-SA3E-722-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

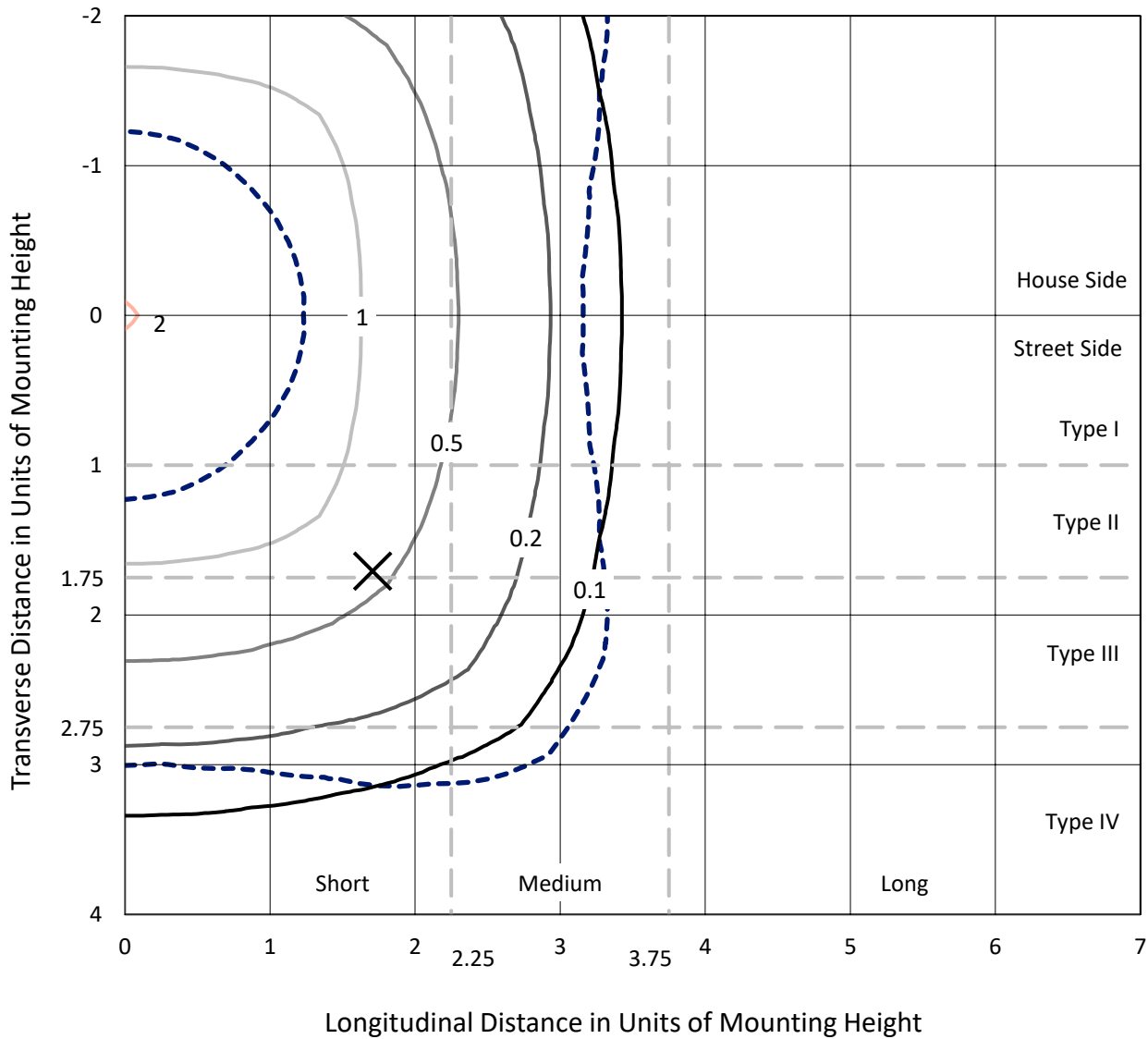
Lumens per Lamp: N/A  
Luminaire Lumens: 16422.4 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

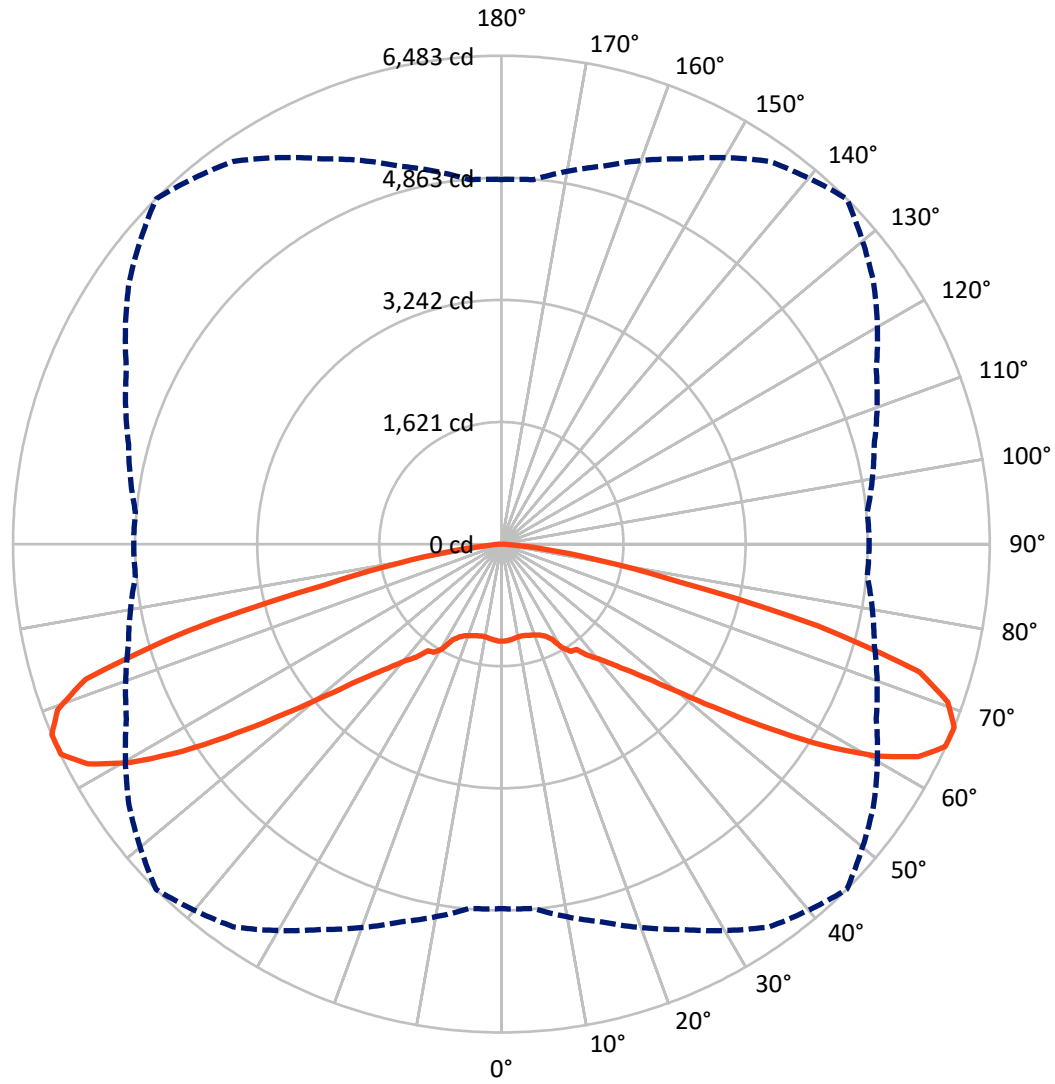
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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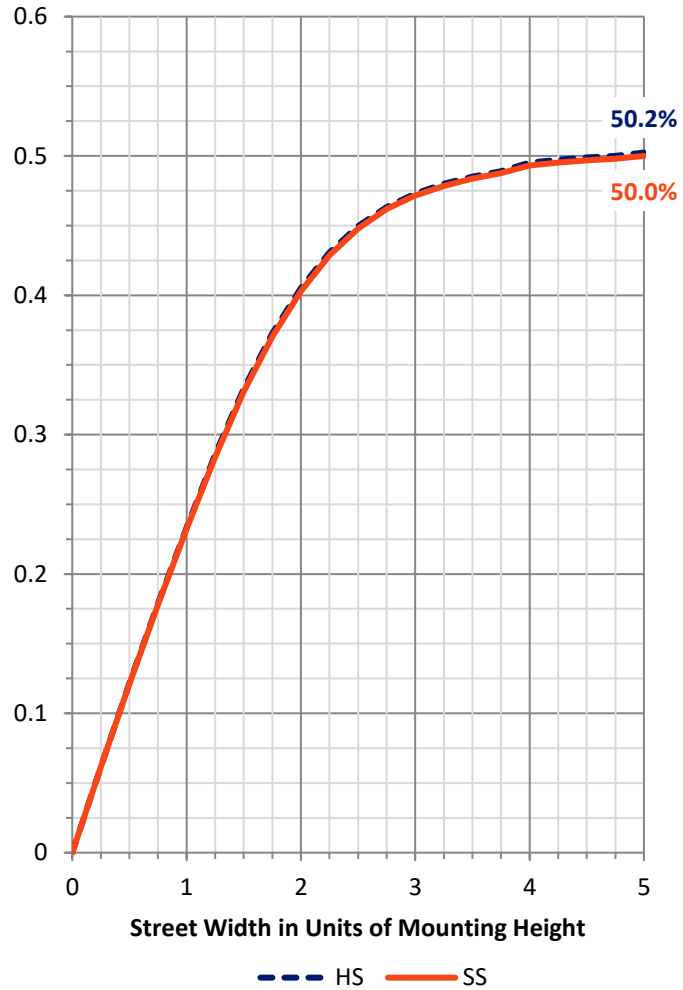
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8211.2	0.0	8211.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8211.2	0.0	8211.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16422.4	0.0	16422.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	0.7
10°-20°	358.8	2.2
20°-30°	643.7	3.9
30°-40°	1087.4	6.6
40°-50°	1910.6	11.6
50°-60°	3685.5	22.4
60°-70°	5347.2	32.6
70°-80°	3059.4	18.6
80°-90°	208.8	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°	16422.4	100.0
0°-180°	16422.4	100.0

**Coefficient of Utilization**



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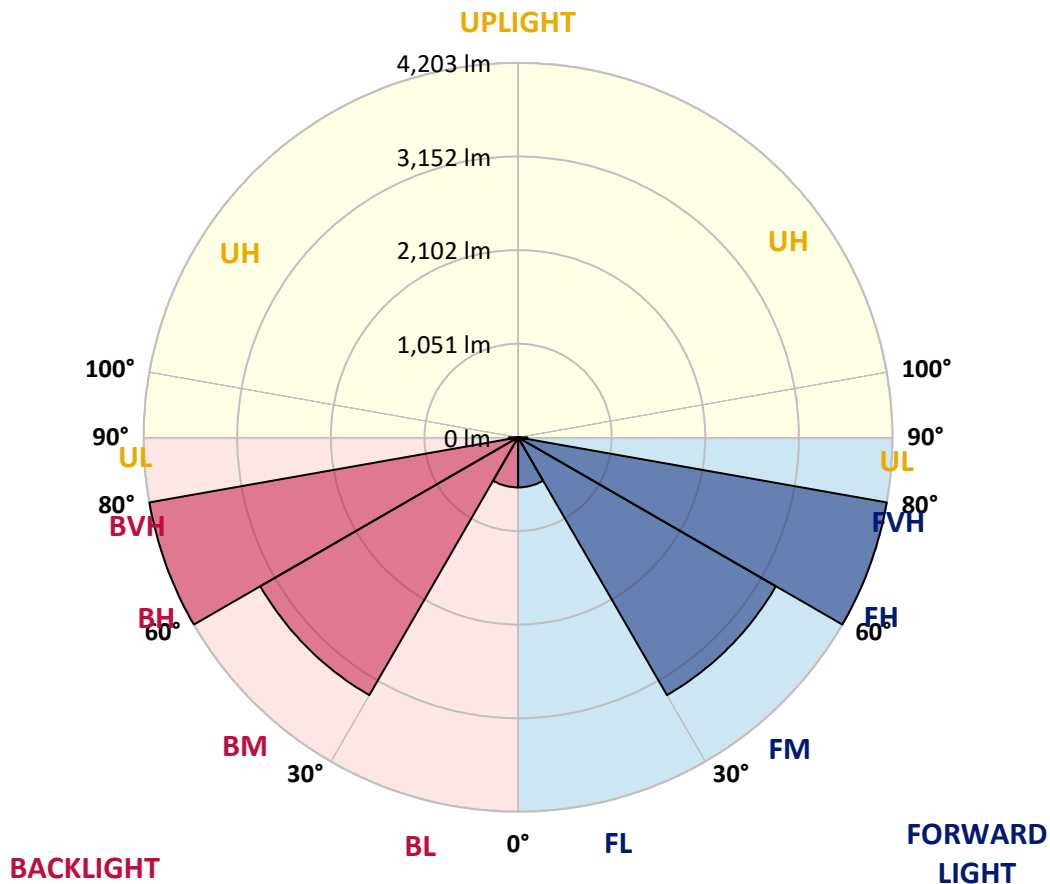
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	561.7	3.4			
FM (30°-60°)	3341.7	20.3			
FH (60°-80°)	4203.3	25.6			G2/5000
FVH (80°-90°)	104.4	0.6			G2/225
BL (0°-30°)	561.7	3.4	B2/1000		
BM (30°-60°)	3341.7	20.3	B3/5000		
BH (60°-80°)	4203.3	25.6	B4/5000		G2/5000
BVH (80°-90°)	104.4	0.6			G2/225
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°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9
2.5°	1277.4	1278.6	1280.9	1280.9	1283.2	1286.7	1287.9	1285.5	1286.7	1280.9	1286.7
5°	1273.9	1275.1	1276.2	1273.9	1273.9	1275.1	1275.1	1272.8	1273.9	1268.1	1273.9
7.5°	1265.8	1266.9	1266.9	1263.5	1260.0	1262.3	1262.3	1260.0	1261.1	1255.3	1262.3
10°	1258.8	1258.8	1257.7	1250.7	1247.2	1250.7	1251.9	1253.0	1257.7	1253.0	1261.1
12.5°	1263.5	1263.5	1260.0	1250.7	1244.9	1247.2	1249.5	1251.9	1260.0	1258.8	1268.1
15°	1276.2	1277.4	1268.1	1257.7	1254.2	1257.7	1255.3	1254.2	1264.6	1268.1	1278.6
17.5°	1286.7	1286.7	1275.1	1264.6	1265.8	1271.6	1266.9	1261.1	1271.6	1278.6	1290.2
20°	1296.0	1294.8	1282.0	1275.1	1279.7	1287.9	1284.4	1276.2	1283.2	1291.3	1301.8
22.5°	1319.2	1318.0	1304.1	1300.6	1305.3	1313.4	1309.9	1302.9	1311.1	1322.7	1335.5
25°	1385.4	1383.1	1362.2	1350.6	1348.2	1354.0	1352.9	1350.6	1363.3	1377.3	1392.4
27.5°	1473.7	1472.5	1457.4	1445.8	1430.7	1426.0	1429.5	1440.0	1458.6	1469.0	1481.8
30°	1517.8	1517.8	1515.5	1534.0	1566.6	1597.9	1573.5	1534.0	1517.8	1513.1	1525.9
32.5°	1575.8	1581.7	1573.5	1594.4	1649.0	1695.5	1649.0	1585.1	1573.5	1573.5	1587.5
35°	1709.4	1711.7	1698.9	1695.5	1712.9	1718.7	1696.6	1673.4	1686.2	1688.5	1705.9
37.5°	1816.2	1816.2	1810.4	1819.7	1855.7	1877.8	1841.8	1800.0	1803.5	1805.8	1827.8
40°	1981.1	1985.8	1971.8	1970.7	1984.6	2004.4	1966.0	1939.3	1957.9	1963.7	1997.4
42.5°	2186.7	2186.7	2165.8	2160.0	2169.3	2190.2	2154.2	2136.7	2161.1	2165.8	2185.5
45°	2431.7	2437.5	2409.6	2399.2	2403.8	2410.8	2385.3	2377.1	2400.4	2410.8	2445.6
47.5°	2730.2	2736.0	2711.6	2710.4	2705.8	2710.4	2686.0	2681.4	2700.0	2691.8	2729.0
50°	3098.3	3108.7	3087.8	3116.9	3113.4	3127.3	3093.6	3069.2	3069.2	3047.2	3068.1
52.5°	3510.5	3531.4	3541.9	3590.7	3627.8	3662.7	3606.9	3568.6	3512.8	3467.6	3524.5
55°	3959.9	3954.1	4020.3	4127.2	4236.3	4318.8	4209.6	4088.8	3998.3	3904.2	3926.3
57.5°	4353.6	4373.4	4460.4	4655.5	4871.5	5045.7	4849.5	4617.2	4411.7	4277.0	4295.5
60°	4681.1	4697.3	4813.5	5094.5	5471.9	5712.3	5401.1	5017.9	4719.4	4533.6	4553.4
62.5°	4983.0	4998.1	5115.4	5425.5	5901.6	6215.1	5813.3	5289.6	4957.5	4770.5	4782.1
65°	5157.2	5166.5	5326.8	5653.1	6154.7	6478.7	6025.8	5485.9	5159.5	4969.1	4976.1
67.5°	4840.2	4855.3	5193.2	5643.8	6203.5	6483.4	6035.1	5491.7	5124.7	4876.2	4882.0
70°	3818.3	3805.5	4208.5	4983.0	5923.7	6288.3	5766.9	5079.4	4512.7	4165.5	4159.7
72.5°	2911.3	2914.8	3138.9	3669.6	4829.7	5802.9	5088.7	4090.0	3479.2	3215.6	3205.1
75°	2111.2	2143.7	2326.0	2715.1	3378.1	4337.4	3831.0	3030.9	2622.2	2464.2	2441.0
77.5°	951.1	992.9	1247.2	1704.7	2258.7	2396.9	2406.2	2057.8	1552.6	1290.2	1249.5
80°	277.5	297.3	382.1	653.8	1052.1	1359.9	1080.0	908.1	565.5	443.6	422.7
82.5°	117.3	133.5	163.7	181.2	305.4	630.6	392.5	249.7	232.3	188.1	171.9
85°	49.9	53.4	68.5	73.2	98.7	134.7	124.3	112.6	108.0	83.6	76.6
87.5°	20.9	20.9	20.9	18.6	17.4	18.6	25.5	32.5	43.0	33.7	31.4
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)