

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: P632353

Luminaire Tested: GWS-SA2C-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632353  
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-SA2C-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

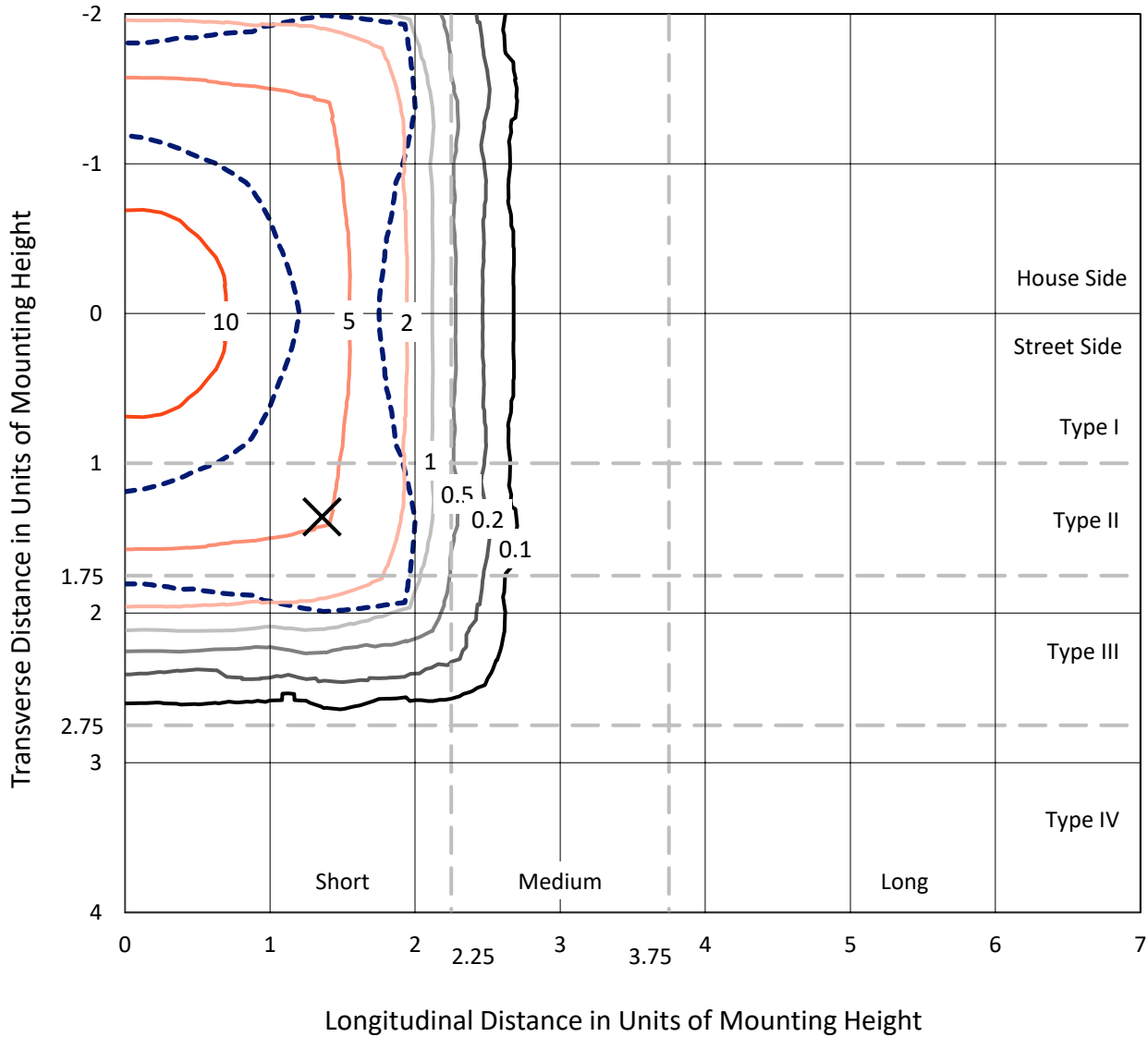
Lumens per Lamp: N/A  
Luminaire Lumens: 9895.3 lumens  
Efficiency: N/A  
Efficacy: 156.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

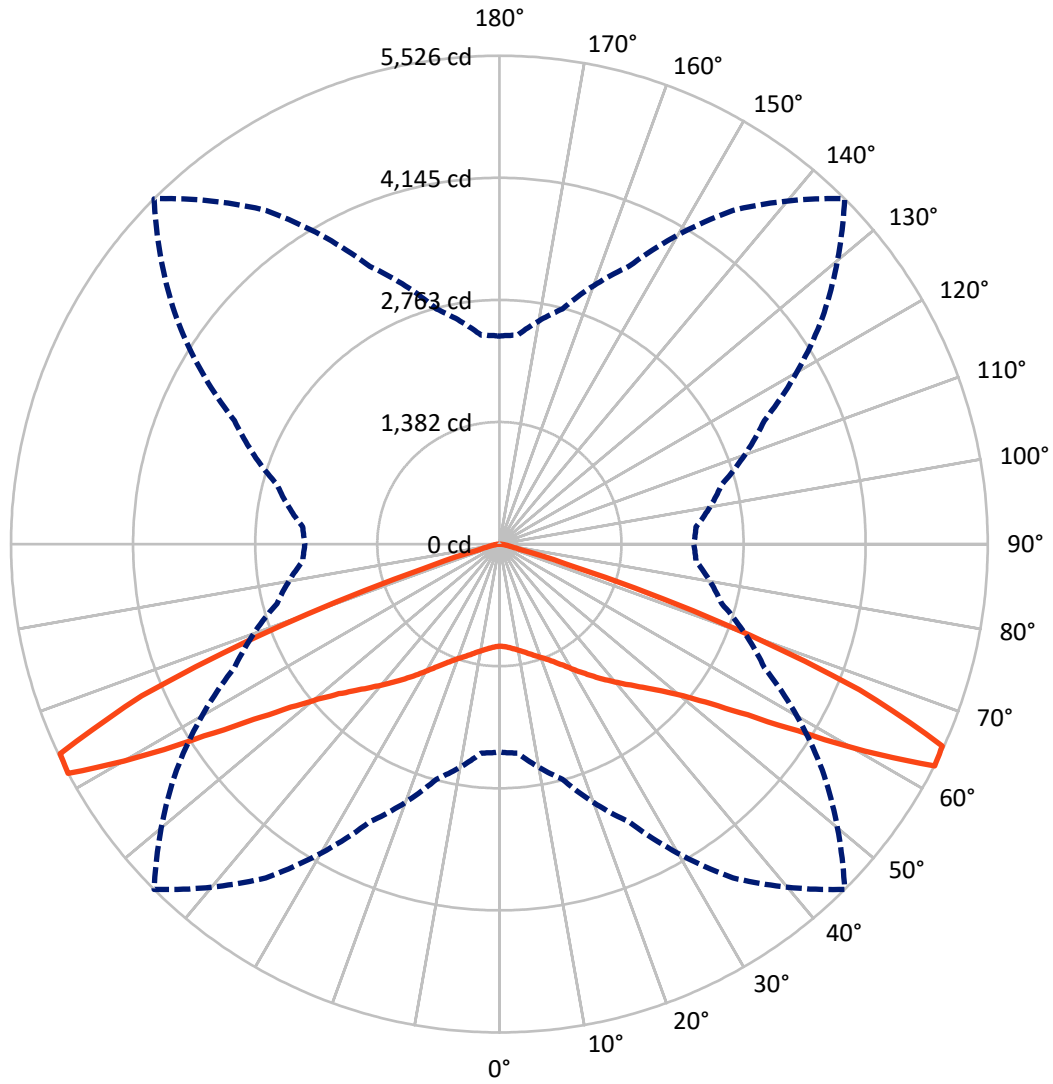
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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	4947.7	0.0	4947.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4947.7	0.0	4947.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9895.3	0.0	9895.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	1.1
10°-20°	365.3	3.7
20°-30°	691.0	7.0
30°-40°	1163.1	11.8
40°-50°	1858.3	18.8
50°-60°	2995.5	30.3
60°-70°	2444.0	24.7
70°-80°	237.3	2.4
80°-90°	27.6	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°	9895.3	100.0
0°-180°	9895.3	100.0

**Coefficient of Utilization**



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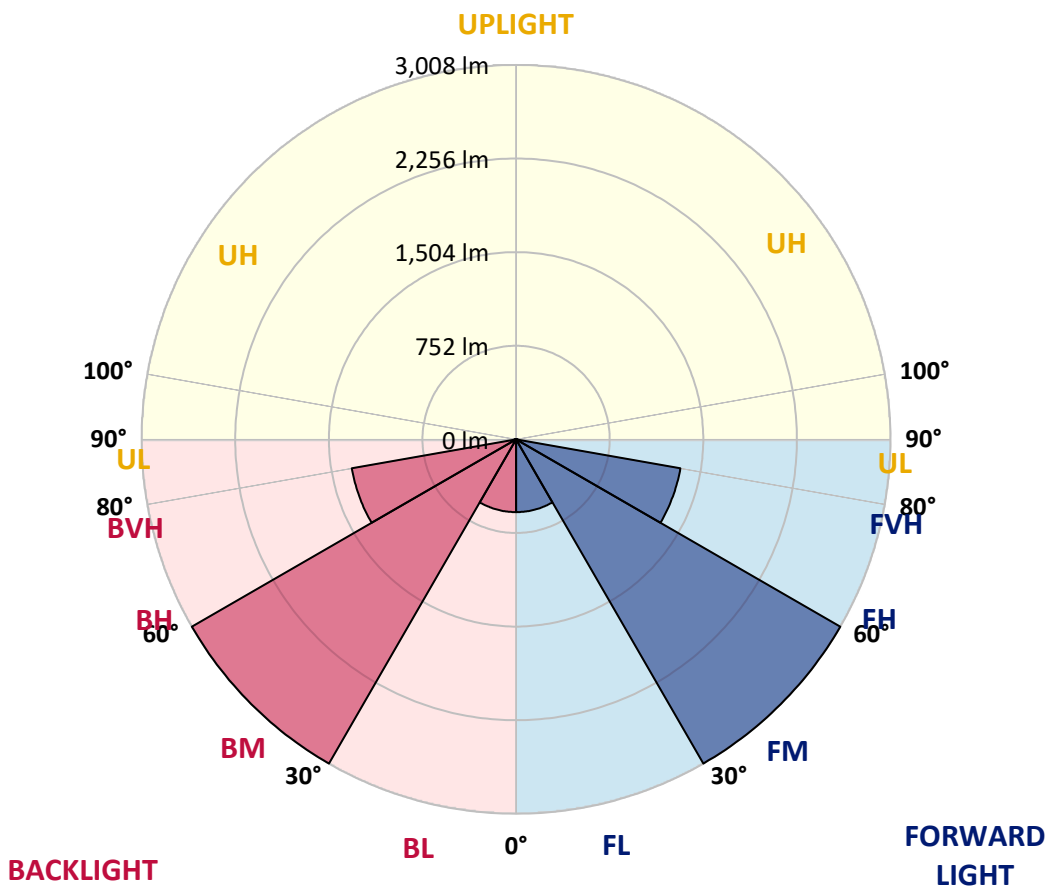
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.8	5.9			
FM (30°-60°)	3008.4	30.4			
FH (60°-80°)	1340.6	13.5			G1/1800
FVH (80°-90°)	13.8	0.1			G1/100
BL (0°-30°)	584.8	5.9	B2/1000		
BM (30°-60°)	3008.4	30.4	B3/5000		
BH (60°-80°)	1340.6	13.5	B3/2500		G1/1800
BVH (80°-90°)	13.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4
2.5°	1153.1	1153.1	1155.8	1157.8	1156.5	1161.9	1161.2	1159.8	1159.2	1157.1	1163.2
5°	1168.7	1168.7	1170.7	1172.7	1169.4	1176.1	1173.4	1172.1	1171.4	1168.7	1174.1
7.5°	1186.3	1188.4	1189.0	1192.4	1190.4	1197.9	1195.8	1193.1	1191.7	1188.4	1193.1
10°	1206.0	1207.4	1208.0	1214.1	1214.8	1223.6	1221.6	1218.2	1215.5	1212.1	1218.9
12.5°	1232.5	1233.1	1235.2	1242.6	1244.7	1251.5	1250.8	1246.0	1242.6	1237.9	1245.4
15°	1266.4	1267.1	1270.5	1277.9	1281.3	1289.5	1286.8	1279.3	1274.5	1269.1	1275.2
17.5°	1301.7	1304.4	1307.8	1315.3	1320.0	1329.5	1326.1	1318.0	1313.9	1308.5	1312.6
20°	1347.2	1347.8	1349.9	1358.0	1361.4	1372.3	1373.0	1364.8	1362.8	1357.3	1363.5
22.5°	1397.4	1398.1	1400.1	1408.9	1415.0	1421.8	1425.9	1421.1	1417.7	1411.0	1418.4
25°	1453.0	1459.8	1461.9	1472.7	1479.5	1483.6	1488.3	1486.3	1481.5	1473.4	1476.8
27.5°	1531.1	1532.4	1535.8	1548.0	1552.1	1556.2	1560.9	1561.6	1554.8	1545.3	1550.1
30°	1620.0	1619.3	1626.8	1636.3	1639.7	1643.1	1649.9	1653.9	1645.1	1634.9	1639.7
32.5°	1710.9	1719.1	1728.6	1737.4	1735.4	1736.7	1747.6	1755.0	1742.8	1724.5	1728.6
35°	1813.4	1818.8	1831.1	1844.0	1841.2	1839.2	1846.0	1853.5	1836.5	1812.7	1818.8
37.5°	1918.6	1926.7	1945.1	1960.7	1956.6	1947.1	1954.6	1962.7	1946.4	1919.3	1916.6
40°	2036.0	2048.9	2075.4	2088.3	2077.4	2059.1	2072.0	2091.7	2075.4	2044.2	2036.7
42.5°	2173.8	2189.4	2215.9	2235.5	2211.8	2181.9	2203.6	2232.2	2228.1	2186.7	2173.8
45°	2344.1	2354.3	2386.9	2396.4	2361.1	2319.7	2359.1	2402.5	2392.3	2347.5	2330.6
47.5°	2529.4	2545.0	2573.5	2591.2	2534.2	2482.6	2537.6	2595.9	2585.1	2543.0	2523.3
50°	2765.6	2785.9	2823.3	2838.2	2759.5	2700.4	2771.0	2845.0	2824.0	2767.6	2741.8
52.5°	3022.8	3039.1	3102.9	3132.7	3058.8	2995.0	3056.7	3129.4	3084.6	3009.9	2975.3
55°	3249.5	3265.8	3359.4	3458.5	3455.1	3411.0	3442.2	3443.6	3322.1	3198.6	3161.9
57.5°	3298.3	3314.6	3493.1	3752.4	3935.6	3986.5	3894.9	3702.2	3396.1	3179.6	3138.2
60°	3037.7	3056.1	3339.7	3813.5	4416.1	4756.1	4334.0	3696.7	3167.4	2874.2	2834.8
62.5°	2353.6	2373.3	2754.7	3466.0	4610.2	5526.4	4461.6	3307.8	2605.4	2234.2	2199.6
65°	1123.9	1123.9	1608.5	2486.0	4223.4	5508.1	4092.4	2447.3	1568.4	1204.6	1174.8
67.5°	278.3	279.6	414.0	967.8	2872.8	4395.8	2919.6	1174.8	552.4	390.9	380.7
70°	173.7	173.1	192.1	262.0	1005.1	2667.9	1193.8	354.3	224.6	198.2	196.8
72.5°	135.1	135.1	144.6	167.6	263.3	908.7	348.2	196.8	162.9	146.6	146.6
75°	106.6	106.6	113.3	125.6	155.4	234.1	185.3	145.9	126.2	115.4	114.0
77.5°	79.4	80.8	86.2	94.3	105.9	131.7	117.4	109.9	98.4	90.3	87.5
80°	51.6	53.6	60.4	65.2	69.2	86.9	76.7	80.1	74.7	65.2	63.8
82.5°	27.8	28.5	36.6	38.0	39.4	47.5	48.9	50.9	52.9	41.4	38.7
85°	10.2	10.2	12.2	14.3	15.6	17.0	23.1	28.5	29.9	23.8	23.1
87.5°	2.0	2.0	2.0	1.4	1.4	1.4	4.1	7.5	12.2	9.5	9.5
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)