

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: P632843

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632843  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

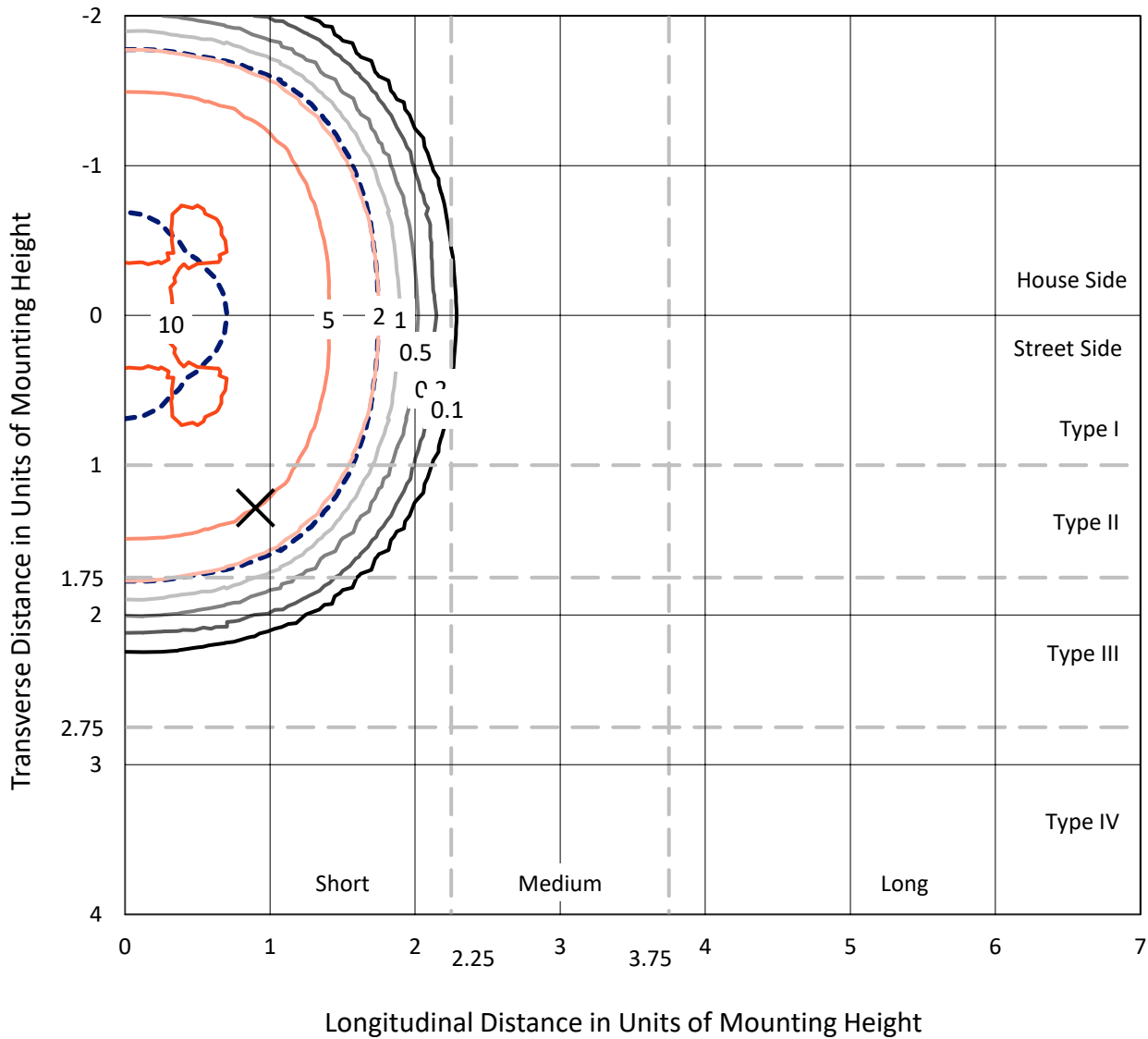
Lumens per Lamp: N/A  
Luminaire Lumens: 7297.5 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

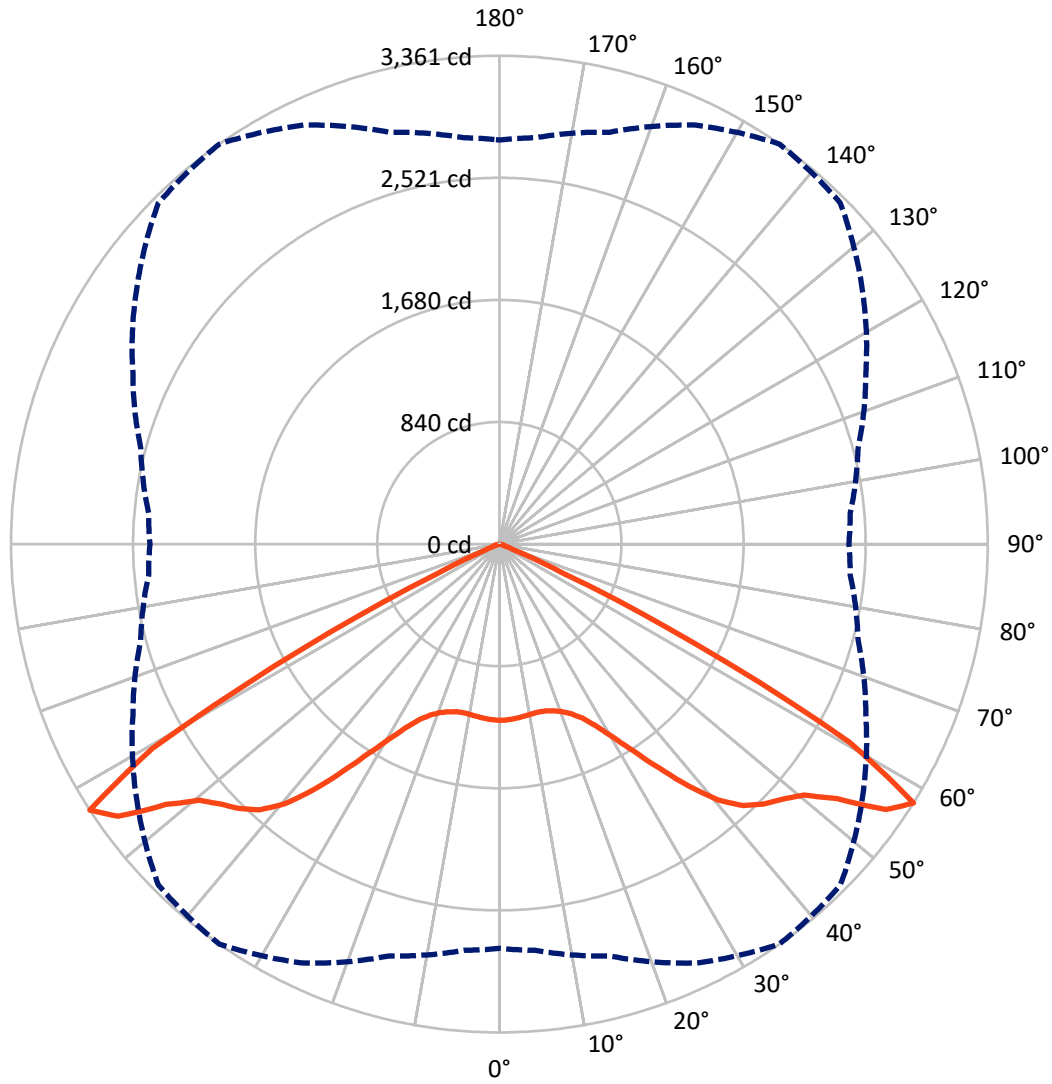
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3648.8	0.0	3648.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3648.8	0.0	3648.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7297.5	0.0	7297.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.3	1.6
10°-20°	336.3	4.6
20°-30°	607.8	8.3
30°-40°	1133.9	15.5
40°-50°	1902.1	26.1
50°-60°	2511.9	34.4
60°-70°	667.1	9.1
70°-80°	23.7	0.3
80°-90°	0.4	0.0
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°	7297.5	100.0
0°-180°	7297.5	100.0

**Coefficient of Utilization**



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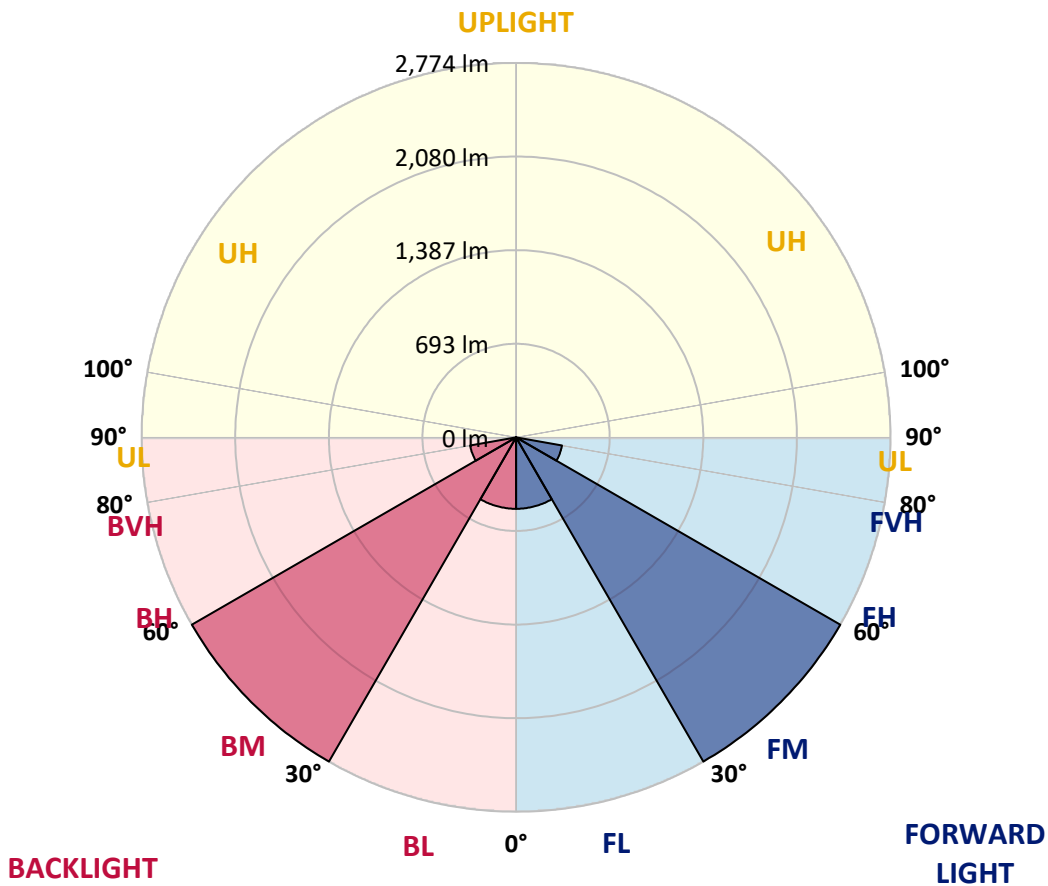
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.2	7.3			
FM (30°-60°)	2774.0	38.0			
FH (60°-80°)	345.4	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	529.2	7.3	B2/1000		
BM (30°-60°)	2774.0	38.0	B3/5000		
BH (60°-80°)	345.4	4.7	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1213.3	1213.3	1213.3	1213.3	1213.3	1213.3	1213.3	1213.3	1213.3	1213.3	1213.3
2.5°	1204.7	1203.9	1207.3	1209.9	1209.9	1215.8	1214.1	1212.4	1210.7	1208.1	1214.1
5°	1203.0	1202.1	1204.7	1206.4	1204.7	1209.9	1206.4	1203.0	1201.3	1197.9	1204.7
7.5°	1195.3	1196.2	1197.9	1199.6	1197.0	1201.3	1197.0	1191.9	1187.6	1184.2	1190.2
10°	1183.3	1184.2	1185.9	1189.3	1190.2	1196.2	1190.2	1180.7	1174.7	1169.6	1175.6
12.5°	1177.3	1178.2	1180.7	1185.0	1185.9	1193.6	1185.9	1172.2	1163.6	1157.6	1163.6
15°	1179.0	1180.7	1184.2	1189.3	1191.0	1198.7	1188.4	1170.5	1158.5	1150.8	1155.9
17.5°	1185.0	1186.7	1191.9	1200.4	1206.4	1214.1	1201.3	1178.2	1161.9	1150.8	1155.9
20°	1192.7	1195.3	1203.9	1217.6	1230.4	1244.1	1227.8	1196.2	1174.7	1161.0	1165.3
22.5°	1214.1	1216.7	1228.7	1246.7	1268.1	1285.2	1265.5	1225.3	1196.2	1178.2	1182.5
25°	1257.8	1260.4	1275.8	1298.9	1326.3	1348.6	1323.7	1273.2	1235.5	1215.0	1216.7
27.5°	1326.3	1328.9	1346.8	1379.4	1416.2	1447.9	1411.9	1352.8	1310.0	1286.1	1286.1
30°	1412.8	1416.2	1440.2	1483.8	1541.2	1583.2	1534.4	1462.4	1407.6	1375.1	1376.0
32.5°	1524.1	1520.7	1554.9	1614.8	1696.2	1751.8	1679.9	1592.6	1524.9	1479.6	1483.8
35°	1667.1	1666.2	1704.7	1786.1	1892.3	1959.0	1873.4	1760.4	1679.1	1632.8	1633.7
37.5°	1851.2	1850.3	1894.8	1983.0	2110.6	2166.3	2070.4	1955.6	1868.3	1823.8	1828.9
40°	2066.9	2061.8	2101.2	2186.0	2313.5	2349.5	2245.0	2152.6	2068.6	2040.4	2054.1
42.5°	2272.4	2261.3	2284.4	2361.5	2459.9	2465.1	2386.3	2322.9	2265.6	2243.3	2251.9
45°	2437.7	2429.1	2450.5	2495.0	2551.6	2525.9	2488.2	2468.5	2422.3	2398.3	2406.0
47.5°	2561.0	2561.0	2586.7	2614.1	2622.6	2575.5	2581.5	2581.5	2535.3	2497.6	2488.2
50°	2667.2	2674.9	2713.4	2741.6	2713.4	2653.5	2687.7	2680.8	2586.7	2511.3	2491.6
52.5°	2836.7	2844.4	2903.5	2942.0	2910.3	2851.2	2855.5	2769.9	2631.2	2542.1	2511.3
55°	3016.5	3035.3	3121.0	3223.7	3224.6	3163.8	3050.7	2899.2	2730.5	2633.8	2602.1
57.5°	2781.0	2806.7	2934.3	3181.7	3360.7	3318.7	3049.0	2782.7	2555.0	2423.1	2405.1
60°	1913.7	1958.2	2085.8	2424.0	2769.0	2785.3	2466.8	2168.0	1906.8	1744.1	1747.6
62.5°	808.3	853.7	925.6	1203.9	1520.7	1540.4	1386.2	1172.2	959.0	841.7	859.7
65°	190.1	202.9	224.3	333.1	482.9	505.2	465.8	363.0	268.0	226.9	231.2
67.5°	83.1	84.8	80.5	85.6	106.2	108.7	105.3	92.5	87.3	89.0	89.0
70°	58.2	59.1	55.7	53.1	50.5	47.1	48.8	53.9	58.2	61.6	60.8
72.5°	36.0	36.8	37.7	37.7	35.1	31.7	33.4	36.8	37.7	38.5	37.7
75°	18.0	18.8	20.5	21.4	20.5	19.7	19.7	20.5	20.5	19.7	19.7
77.5°	3.4	4.3	6.0	6.8	6.8	6.8	6.8	6.8	7.7	6.8	6.8
80°	0.9	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
82.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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)