

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: P632849

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632849  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-750-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

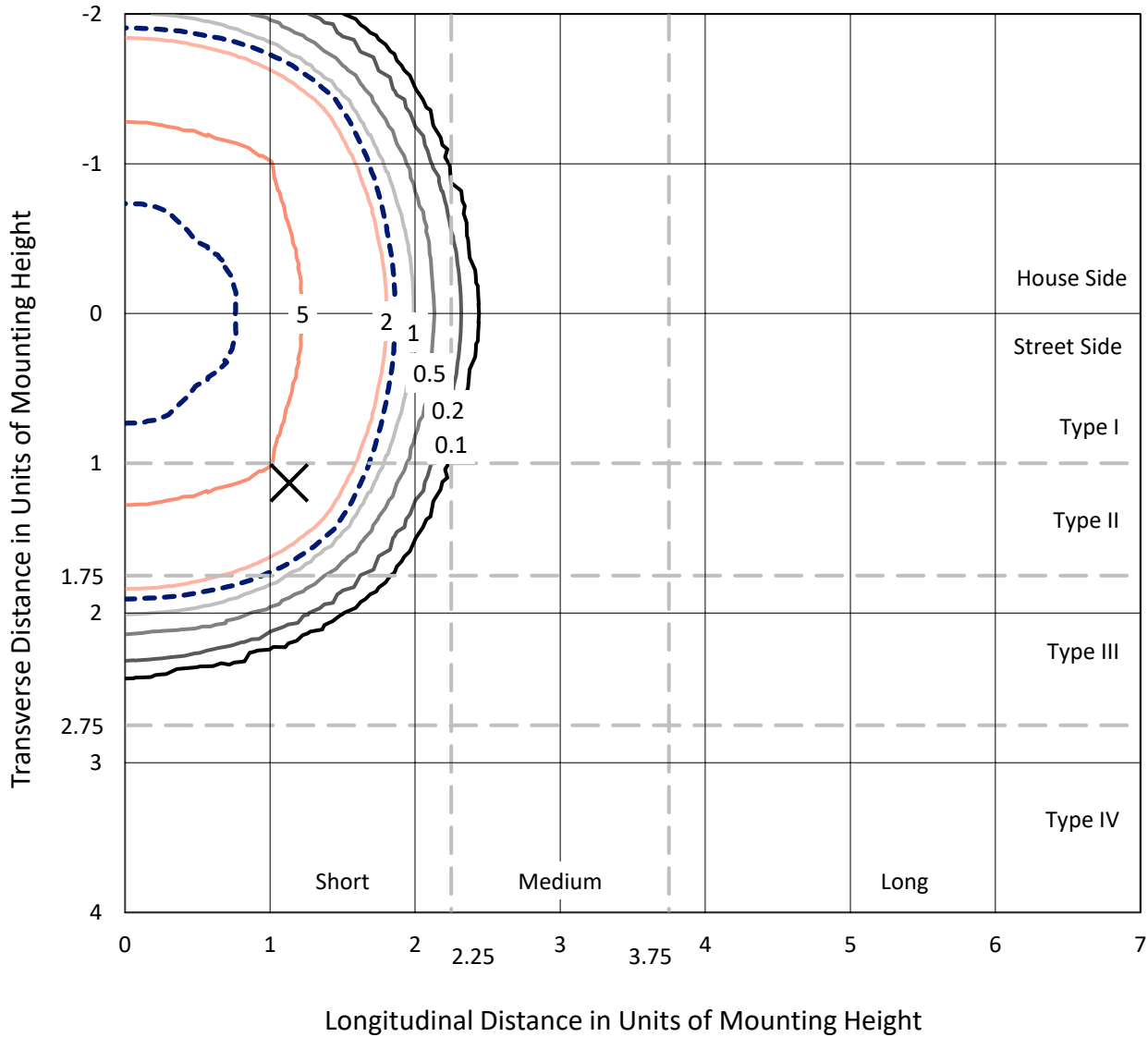
Lumens per Lamp: N/A  
Luminaire Lumens: 6285.4 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

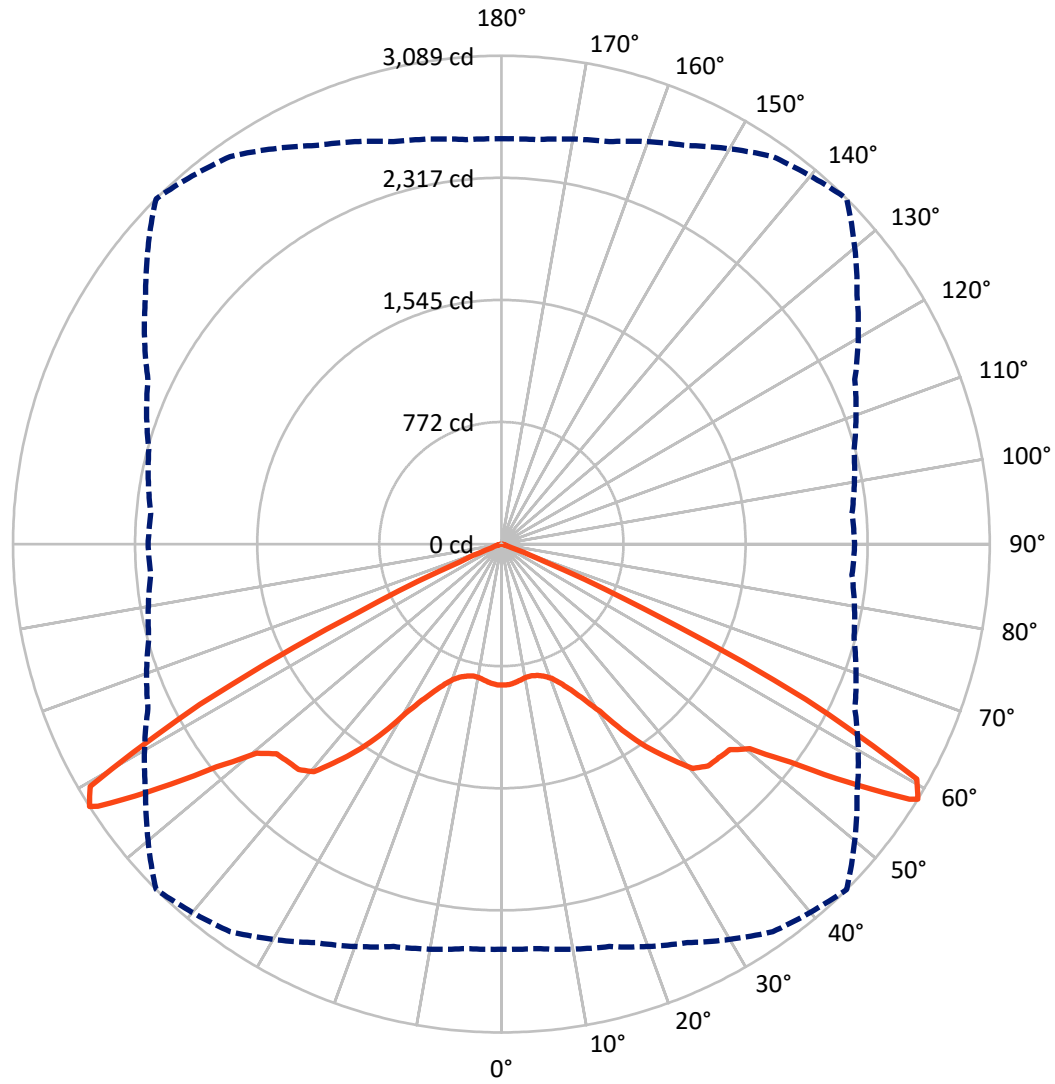
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3142.7	0.0	3142.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3142.7	0.0	3142.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6285.4	0.0	6285.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.2	1.3
10°-20°	246.1	3.9
20°-30°	465.4	7.4
30°-40°	917.9	14.6
40°-50°	1452.5	23.1
50°-60°	2135.1	34.0
60°-70°	953.0	15.2
70°-80°	31.9	0.5
80°-90°	0.3	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°	6285.4	100.0
0°-180°	6285.4	100.0

**Coefficient of Utilization**



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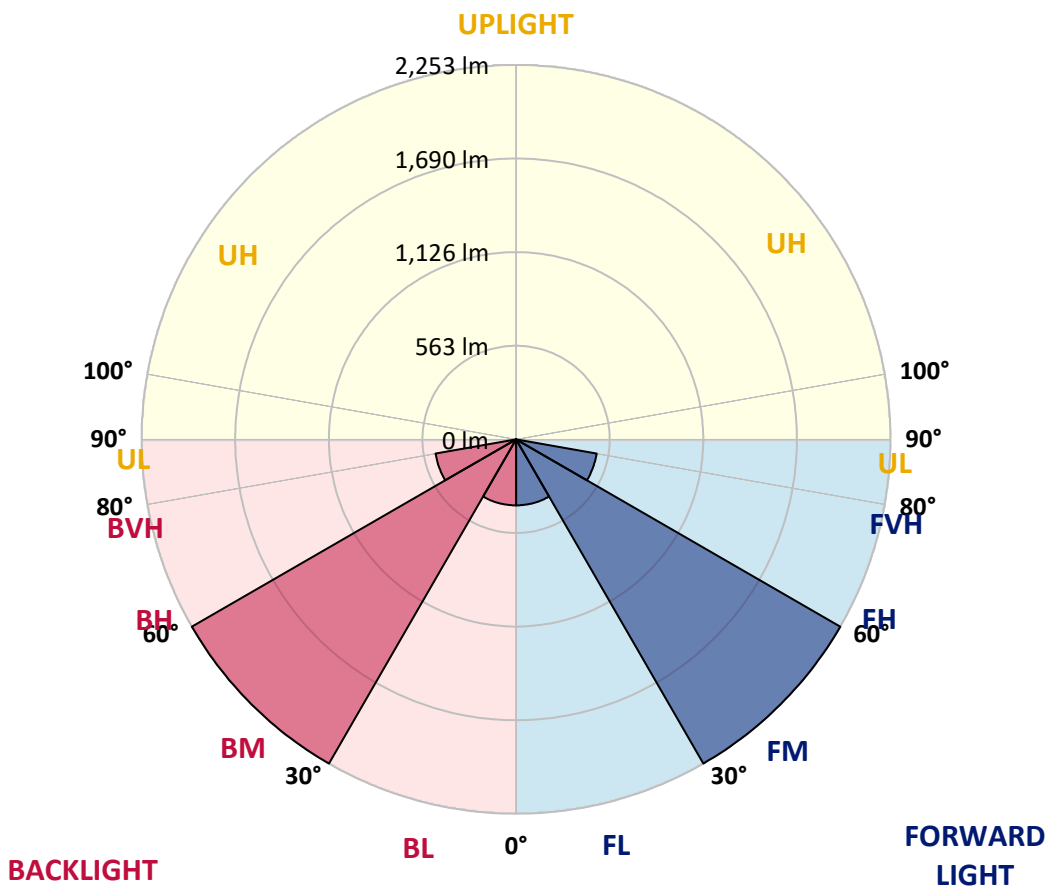
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.3	6.3			
FM (30°-60°)	2252.8	35.8			
FH (60°-80°)	492.5	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	397.3	6.3	B1/500		
BM (30°-60°)	2252.8	35.8	B2/2500		
BH (60°-80°)	492.5	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4
2.5°	882.8	884.5	886.2	887.1	887.9	890.5	891.4	888.8	888.8	883.6	889.6
5°	878.5	880.2	881.9	881.1	881.1	881.1	880.2	876.8	875.9	870.8	876.8
7.5°	870.8	872.5	872.5	869.9	868.2	868.2	867.4	863.1	862.2	857.1	863.1
10°	864.8	865.7	864.8	859.7	856.2	856.2	855.4	853.7	854.5	851.1	856.2
12.5°	868.2	869.1	865.7	858.8	854.5	853.7	851.1	848.5	851.1	850.3	855.4
15°	879.4	880.2	874.2	865.7	862.2	862.2	855.4	848.5	852.0	852.8	858.8
17.5°	893.1	893.1	885.4	877.7	878.5	878.5	867.4	855.4	856.2	859.7	865.7
20°	909.3	909.3	901.6	899.9	905.9	906.8	893.1	874.2	869.9	872.5	879.4
22.5°	938.4	938.4	932.5	936.7	950.4	954.7	934.2	907.6	897.3	899.1	905.9
25°	983.8	983.8	982.1	992.4	1012.1	1021.5	994.1	959.0	941.9	939.3	947.0
27.5°	1060.0	1060.9	1058.3	1073.7	1098.6	1109.7	1072.0	1025.8	1005.2	1001.0	1008.7
30°	1158.5	1158.5	1159.4	1180.8	1213.3	1227.9	1178.2	1124.3	1100.3	1086.6	1096.9
32.5°	1268.1	1269.8	1278.4	1314.3	1371.7	1401.7	1328.9	1253.5	1215.0	1200.5	1211.6
35°	1448.8	1432.5	1422.2	1448.8	1531.8	1571.2	1477.9	1389.7	1360.6	1358.9	1387.1
37.5°	1627.7	1618.3	1596.9	1624.3	1698.8	1716.8	1614.0	1540.4	1519.8	1531.0	1559.2
40°	1769.9	1752.7	1724.5	1750.2	1847.8	1865.8	1739.0	1666.3	1658.6	1683.4	1721.9
42.5°	1882.0	1858.1	1820.4	1826.4	1905.2	1918.0	1805.8	1751.0	1756.2	1787.0	1830.7
45°	1932.6	1913.7	1880.3	1877.8	1927.4	1928.3	1840.1	1811.8	1825.5	1849.5	1883.7
47.5°	1954.0	1945.4	1926.6	1922.3	1950.5	1943.7	1888.9	1876.9	1889.7	1896.6	1916.3
50°	2007.0	2007.0	2009.6	2013.0	2042.1	2035.3	1996.8	1983.1	1966.8	1942.8	1948.8
52.5°	2156.0	2162.0	2186.9	2214.3	2267.3	2289.6	2227.1	2147.5	2069.5	2017.3	2017.3
55°	2424.9	2430.9	2460.0	2506.2	2603.8	2656.9	2511.4	2335.8	2228.8	2157.7	2167.2
57.5°	2573.0	2579.9	2639.8	2764.8	2954.1	3044.0	2731.4	2471.1	2321.3	2239.9	2246.8
58°	2563.6	2567.9	2635.5	2781.9	2992.6	3089.3	2746.8	2466.8	2309.3	2226.2	2234.8
60°	2277.6	2271.6	2379.5	2588.4	2885.6	3019.1	2593.6	2251.9	2068.7	1983.9	1988.2
62.5°	1489.0	1492.4	1585.8	1804.1	2035.3	2161.2	1811.8	1557.5	1410.2	1358.9	1346.0
65°	621.6	610.5	667.9	789.5	928.2	998.4	858.0	726.1	635.3	601.1	610.5
67.5°	160.1	155.8	159.3	199.5	244.0	288.6	242.3	184.9	161.0	162.7	162.7
70°	90.8	85.6	69.4	64.2	62.5	62.5	62.5	62.5	71.9	84.8	87.3
72.5°	68.5	64.2	50.5	43.7	38.5	36.0	37.7	43.7	52.2	63.4	65.1
75°	34.2	34.2	30.8	29.1	25.7	24.0	24.8	27.4	31.7	36.0	35.1
77.5°	6.8	7.7	8.6	10.3	8.6	8.6	8.6	10.3	10.3	11.1	10.3
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.9	0.0	0.0	0.0	0.0	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	0.0	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)