

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: P631365

Luminaire Tested: GWS-SA1F-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631365  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-750-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

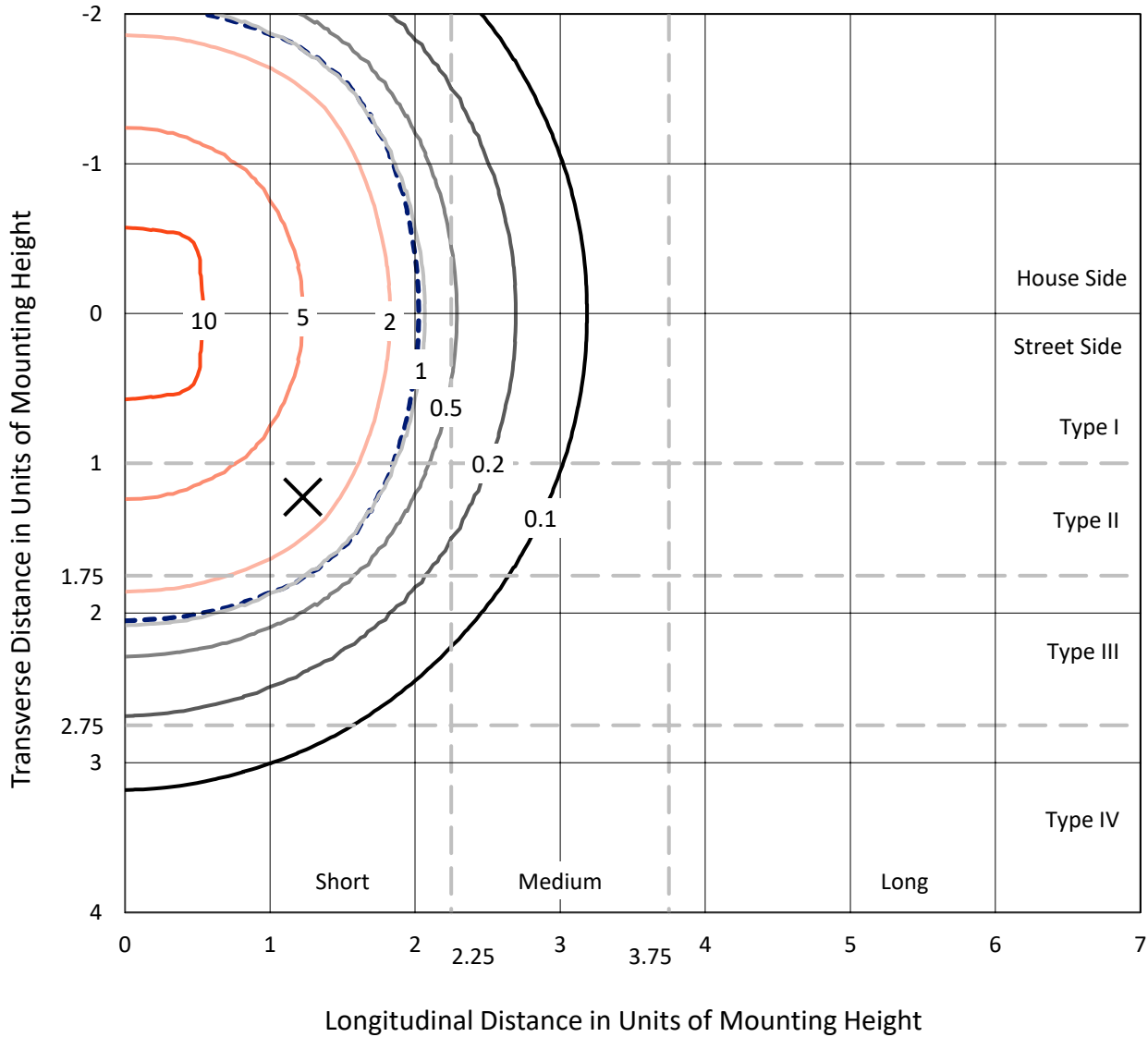
Lumens per Lamp: N/A  
Luminaire Lumens: 7278.3 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

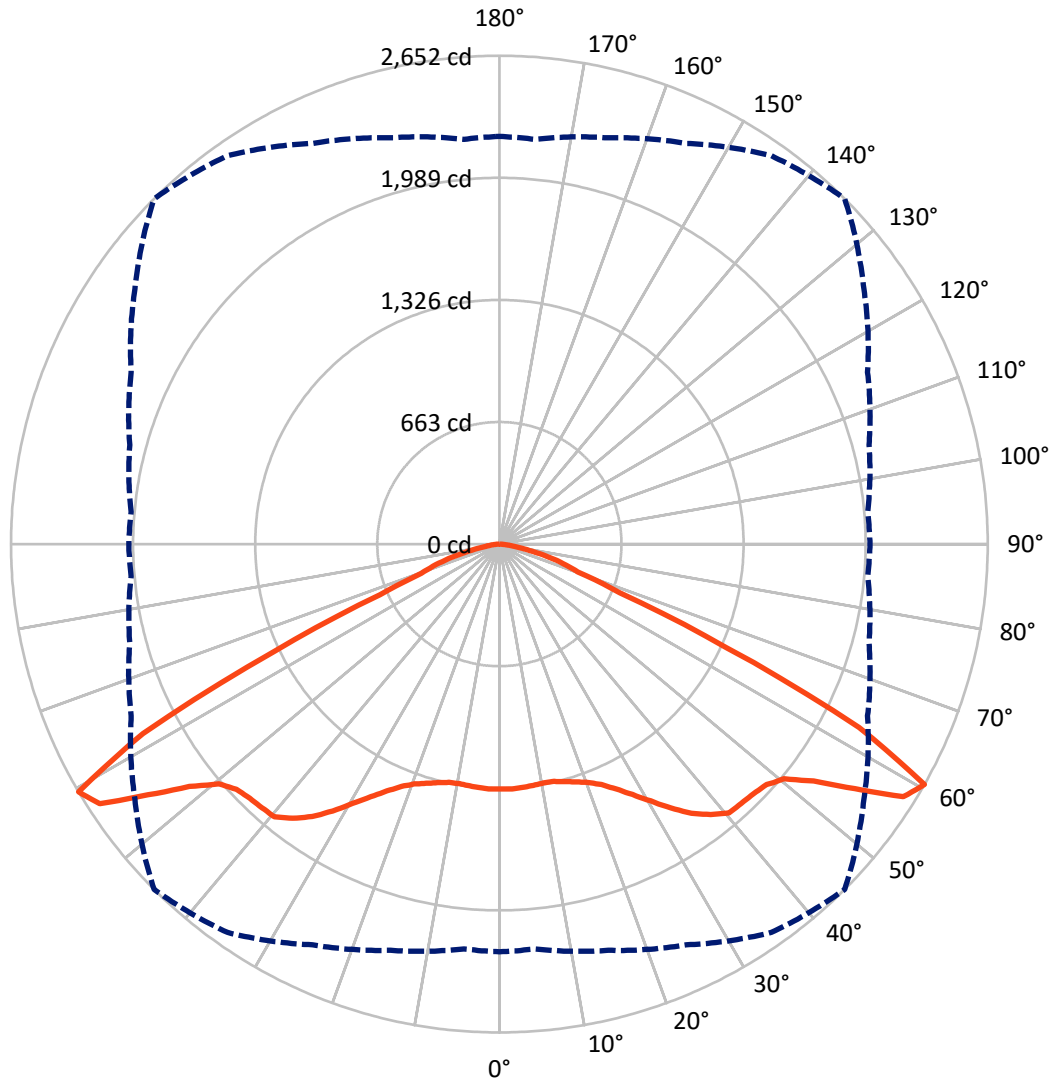
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3639.1	0.0	3639.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3639.1	0.0	3639.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7278.3	0.0	7278.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.1	1.7
10°-20°	379.4	5.2
20°-30°	671.2	9.2
30°-40°	1080.7	14.8
40°-50°	1485.4	20.4
50°-60°	1979.5	27.2
60°-70°	1233.7	17.0
70°-80°	283.7	3.9
80°-90°	38.5	0.5
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°	7278.3	100.0
0°-180°	7278.3	100.0

**Coefficient of Utilization**



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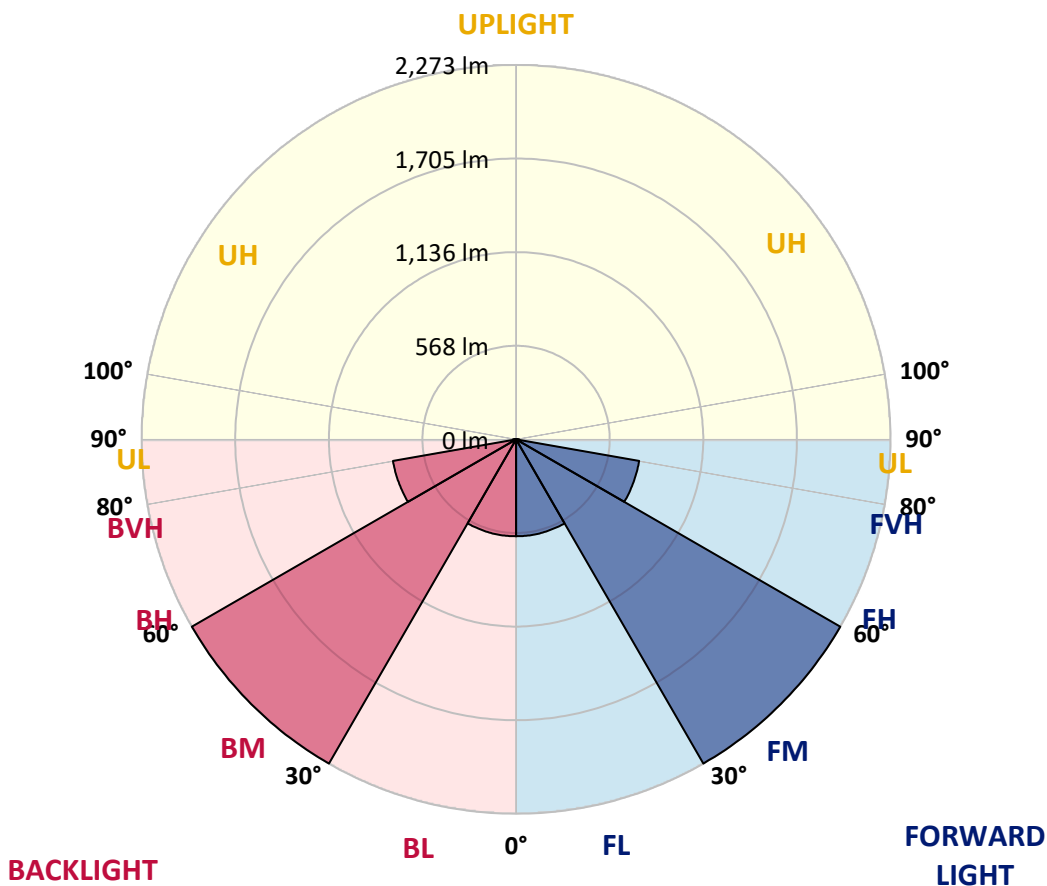
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.4	8.1			
FM (30°-60°)	2272.8	31.2			
FH (60°-80°)	758.7	10.4			G1/1800
FVH (80°-90°)	19.2	0.3			G1/100
BL (0°-30°)	588.4	8.1	B2/1000		
BM (30°-60°)	2272.8	31.2	B2/2500		
BH (60°-80°)	758.7	10.4	B2/1000		G1/1800
BVH (80°-90°)	19.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1
2.5°	1320.8	1322.1	1324.5	1326.4	1328.9	1331.3	1332.6	1330.1	1328.9	1323.9	1329.5
5°	1322.1	1323.3	1325.2	1325.2	1325.8	1327.6	1327.6	1324.5	1321.4	1315.9	1322.1
7.5°	1320.2	1321.4	1322.1	1321.4	1322.1	1322.7	1321.4	1317.7	1314.7	1309.7	1314.7
10°	1317.1	1318.4	1319.6	1318.4	1317.1	1319.0	1319.0	1316.5	1314.7	1309.7	1315.3
12.5°	1323.9	1325.8	1326.4	1323.3	1322.1	1322.7	1322.7	1320.2	1320.2	1315.9	1322.1
15°	1340.0	1341.2	1339.4	1335.7	1336.3	1338.1	1333.8	1327.6	1326.4	1324.5	1329.5
17.5°	1352.3	1353.6	1351.7	1349.3	1353.6	1357.9	1349.9	1338.1	1334.4	1333.2	1338.7
20°	1365.9	1367.8	1365.3	1368.4	1377.1	1382.0	1372.1	1356.0	1348.6	1346.8	1353.6
22.5°	1388.2	1390.6	1390.6	1397.4	1410.4	1418.4	1406.1	1384.5	1373.3	1370.3	1377.1
25°	1423.4	1425.2	1427.1	1440.7	1461.7	1472.8	1453.0	1423.4	1407.9	1403.0	1406.7
27.5°	1472.2	1475.3	1478.4	1498.1	1524.1	1540.1	1511.7	1474.7	1455.5	1445.6	1453.0
30°	1530.3	1534.6	1542.0	1564.2	1600.7	1618.6	1582.2	1537.1	1515.4	1504.9	1514.8
32.5°	1609.3	1610.0	1615.5	1640.2	1688.4	1708.8	1663.1	1613.0	1590.8	1578.4	1584.0
35°	1703.2	1703.9	1695.2	1720.5	1772.4	1795.3	1741.5	1690.9	1672.4	1668.6	1682.9
37.5°	1799.6	1794.1	1785.4	1796.5	1849.0	1863.9	1807.0	1763.8	1755.8	1762.6	1783.6
40°	1868.2	1858.9	1841.6	1849.7	1902.8	1920.1	1859.5	1818.8	1816.3	1833.0	1858.3
42.5°	1912.7	1902.8	1882.4	1882.4	1918.9	1926.3	1879.3	1857.7	1863.3	1882.4	1906.5
45°	1934.3	1928.7	1917.0	1910.8	1931.2	1934.3	1898.5	1889.8	1900.3	1909.6	1928.1
47.5°	1951.0	1951.0	1947.3	1941.1	1950.4	1952.2	1925.6	1923.2	1936.8	1936.8	1949.1
50°	1980.6	1983.7	1988.7	1987.4	1997.3	2003.5	1983.7	1980.0	1985.6	1967.7	1973.8
52.5°	2058.5	2066.5	2080.7	2091.8	2117.2	2136.3	2101.1	2071.4	2042.4	2002.9	2004.1
55°	2198.1	2201.8	2229.6	2262.3	2305.0	2343.9	2271.6	2179.6	2116.5	2070.2	2070.8
57.5°	2316.1	2321.6	2362.4	2431.0	2526.8	2587.3	2427.3	2273.5	2184.5	2127.7	2129.5
60°	2214.2	2206.7	2284.0	2401.3	2574.9	2652.2	2416.2	2206.1	2078.2	2007.8	2012.8
62.5°	1713.1	1698.9	1784.8	1907.7	2115.9	2193.1	1975.7	1774.3	1653.2	1598.2	1590.2
65°	1042.8	1029.9	1091.6	1167.0	1307.9	1356.7	1257.2	1150.3	1044.7	1011.3	1002.1
67.5°	567.7	565.9	582.6	619.6	681.4	704.3	685.1	634.5	607.3	583.8	583.8
70°	450.4	446.7	443.6	444.2	449.8	452.8	453.5	451.0	454.1	454.7	452.2
72.5°	373.1	371.9	365.7	366.3	363.9	362.6	367.0	369.4	374.4	375.0	375.0
75°	270.6	267.5	270.6	271.2	268.7	268.7	271.8	271.2	273.7	274.9	268.1
77.5°	153.8	153.8	158.2	163.1	166.8	166.8	169.9	169.9	173.0	172.4	171.1
80°	84.6	84.6	87.1	90.2	93.9	97.6	100.7	101.3	103.2	102.6	100.7
82.5°	48.2	48.8	50.0	51.9	55.6	58.7	61.8	62.4	64.3	64.3	62.4
85°	22.9	22.2	22.9	24.1	25.9	28.4	31.5	33.4	34.6	34.6	33.4
87.5°	4.3	4.9	4.3	4.9	5.6	7.4	8.6	9.9	11.7	12.4	11.1
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)