

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: P631359

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-750-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

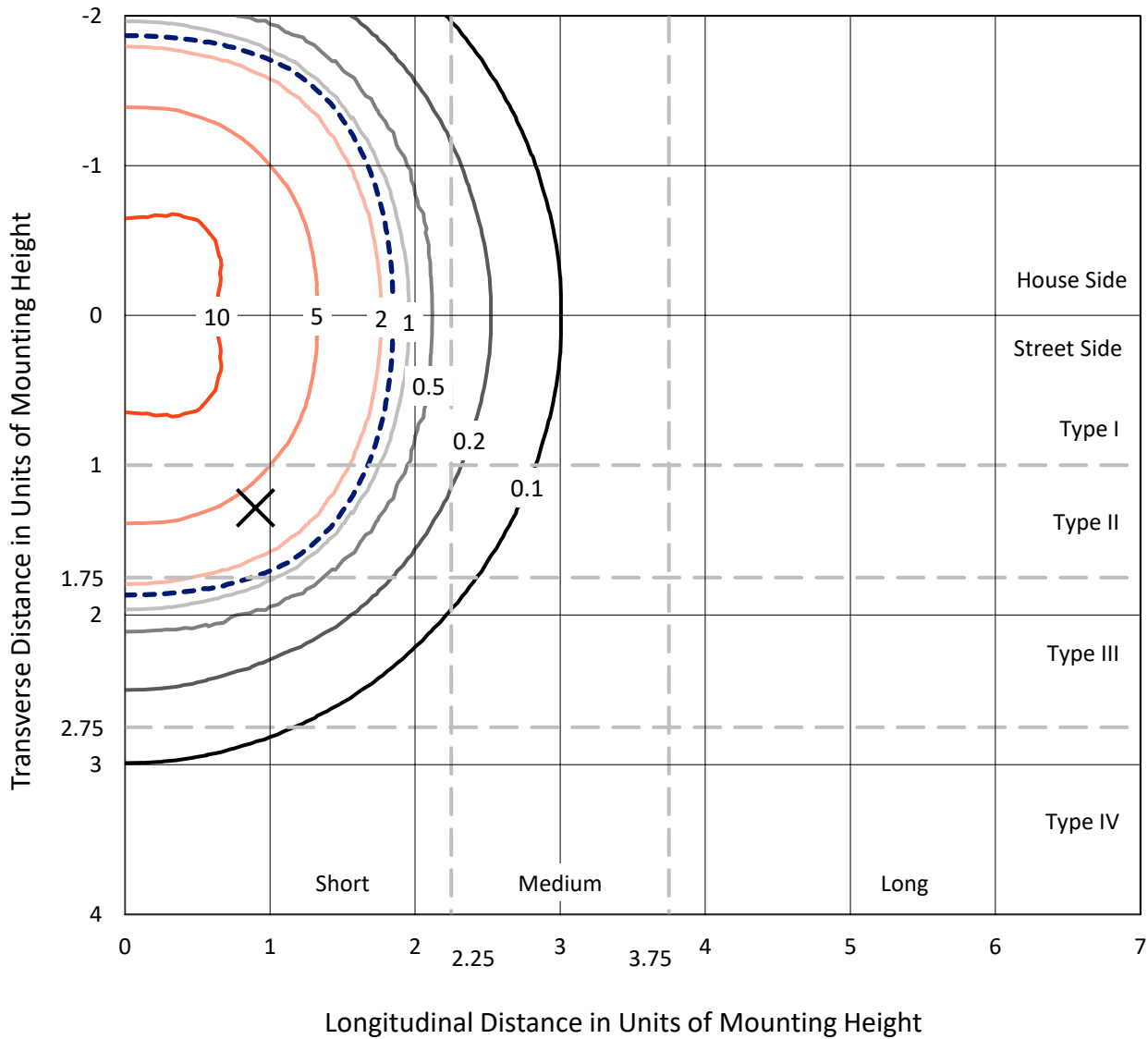
Lumens per Lamp: N/A  
Luminaire Lumens: 7545.8 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P631359  
 CATALOG NUMBER: GWS-SA1F-750-U-5MQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

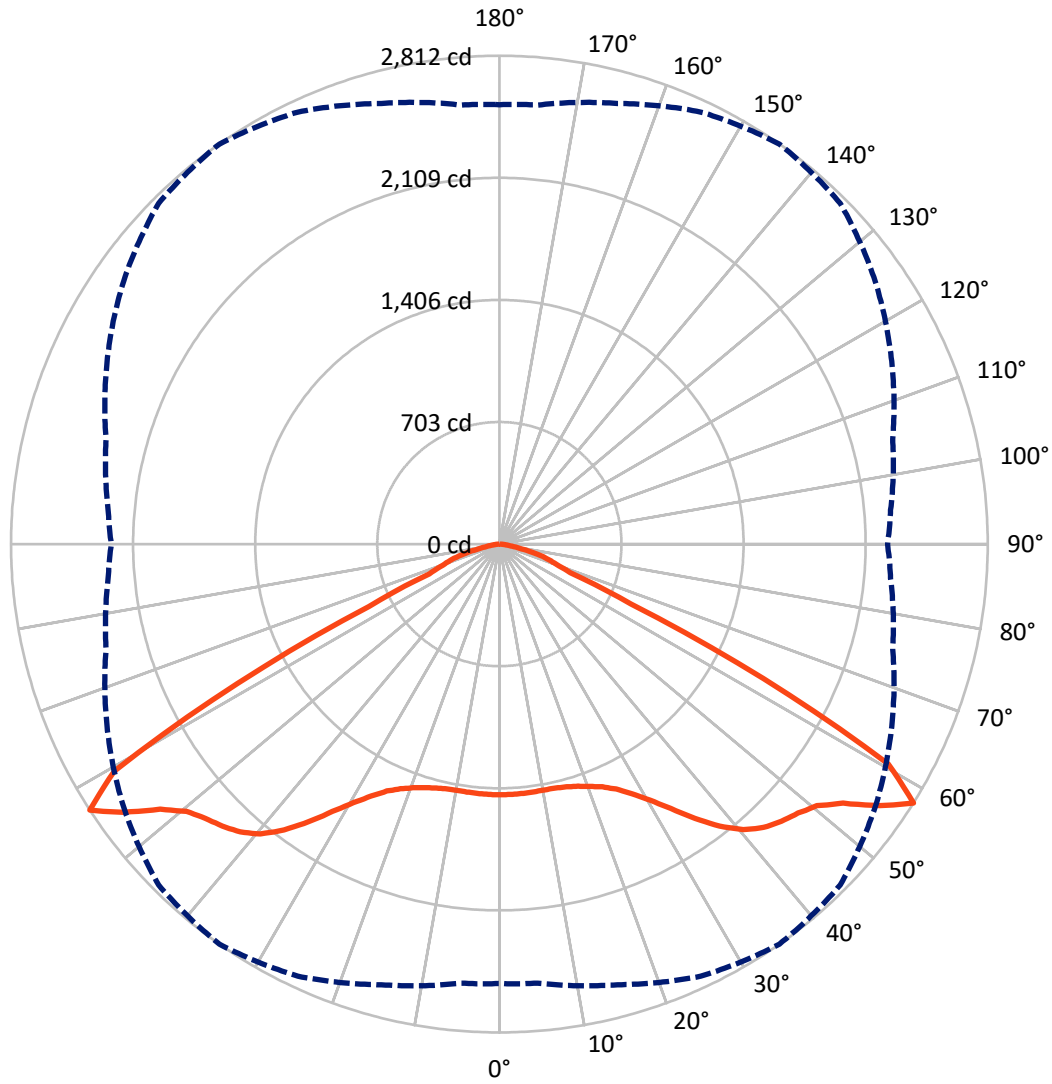
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P631359  
CATALOG NUMBER: GWS-SA1F-750-U-5MQ-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P631359

CATALOG NUMBER: GWS-SA1F-750-U-5MQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3772.9	0.0	3772.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3772.9	0.0	3772.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7545.8	0.0	7545.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	1.8
10°-20°	409.8	5.4
20°-30°	715.0	9.5
30°-40°	1172.5	15.5
40°-50°	1726.8	22.9
50°-60°	2203.7	29.2
60°-70°	928.7	12.3
70°-80°	221.9	2.9
80°-90°	30.2	0.4
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°	7545.8	100.0
0°-180°	7545.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P631359

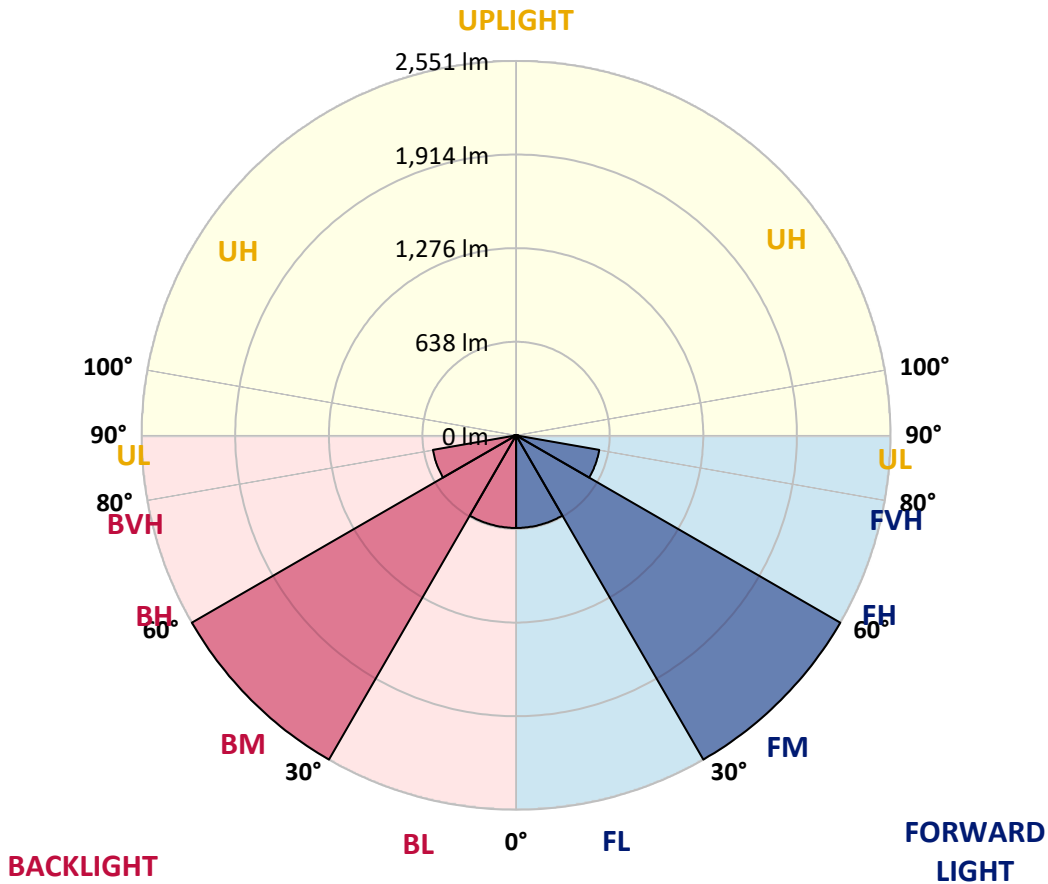
CATALOG NUMBER: GWS-SA1F-750-U-5MQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	631.1	8.4			
FM (30°-60°)	2551.4	33.8			
FH (60°-80°)	575.3	7.6			G0/660
FVH (80°-90°)	15.1	0.2			G1/100
BL (0°-30°)	631.1	8.4	B2/1000		
BM (30°-60°)	2551.4	33.8	B3/5000		
BH (60°-80°)	575.3	7.6	B2/1000		G0/660
BVH (80°-90°)	15.1	0.2			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





REPORT NUMBER: P631359

CATALOG NUMBER: GWS-SA1F-750-U-5MQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8
2.5°	1435.2	1435.2	1438.2	1441.3	1442.6	1448.1	1447.5	1445.7	1444.4	1440.7	1445.7
5°	1438.2	1438.2	1440.7	1442.6	1441.9	1446.3	1444.4	1441.3	1439.5	1435.8	1441.3
7.5°	1437.6	1437.6	1439.5	1441.3	1440.1	1443.8	1440.7	1436.4	1433.3	1429.6	1434.5
10°	1429.6	1430.8	1432.7	1437.0	1438.9	1444.4	1440.1	1433.3	1428.4	1424.0	1429.0
12.5°	1428.4	1429.6	1432.1	1437.6	1440.7	1448.7	1443.2	1432.1	1424.7	1419.1	1424.0
15°	1433.9	1435.2	1438.9	1445.7	1450.6	1459.2	1451.2	1435.8	1425.3	1417.9	1422.2
17.5°	1440.7	1442.6	1448.1	1458.0	1466.0	1475.3	1465.4	1446.9	1432.1	1422.2	1425.9
20°	1448.1	1450.6	1459.2	1474.1	1488.9	1500.6	1488.3	1463.6	1445.7	1432.7	1436.4
22.5°	1461.1	1464.2	1475.3	1496.3	1518.6	1535.9	1520.4	1487.0	1463.6	1446.9	1450.0
25°	1487.7	1491.4	1505.6	1530.9	1562.4	1583.4	1561.8	1524.1	1491.4	1471.0	1474.1
27.5°	1534.6	1536.5	1555.0	1588.4	1627.3	1651.4	1625.4	1581.0	1544.5	1521.0	1523.5
30°	1596.4	1602.0	1620.5	1664.4	1710.7	1742.8	1708.8	1656.3	1614.3	1585.9	1588.4
32.5°	1671.8	1675.5	1703.3	1749.0	1815.7	1852.8	1806.5	1744.1	1693.4	1658.8	1661.3
35°	1770.6	1773.7	1800.3	1858.3	1939.3	1973.9	1920.7	1849.1	1790.4	1757.6	1766.9
37.5°	1888.6	1894.2	1913.3	1970.8	2061.0	2095.0	2033.8	1967.1	1905.9	1875.6	1882.4
40°	2015.3	2014.7	2030.1	2080.8	2162.9	2183.9	2128.9	2075.8	2023.3	2003.5	2014.7
42.5°	2124.0	2120.9	2132.0	2174.0	2230.9	2232.7	2196.3	2166.6	2129.6	2116.0	2126.5
45°	2200.0	2201.2	2217.9	2246.9	2276.0	2260.5	2249.4	2244.5	2215.4	2196.9	2198.8
47.5°	2259.9	2264.9	2291.4	2311.2	2314.9	2289.0	2304.4	2311.8	2287.7	2259.3	2251.3
50°	2313.0	2321.1	2355.7	2376.7	2368.7	2335.9	2366.2	2377.3	2324.2	2269.8	2253.7
52.5°	2409.4	2418.7	2460.7	2487.9	2478.6	2445.9	2474.3	2434.8	2345.2	2278.5	2258.1
55°	2563.3	2567.6	2618.9	2663.3	2659.0	2618.9	2596.0	2508.3	2399.5	2330.3	2311.2
57.5°	2530.5	2537.9	2626.9	2745.5	2812.2	2775.8	2641.7	2492.2	2344.6	2261.2	2235.2
60°	1991.2	2009.1	2119.7	2328.5	2573.1	2572.5	2323.6	2091.3	1913.3	1802.7	1791.6
62.5°	1162.7	1175.1	1275.8	1487.0	1706.4	1720.0	1545.1	1385.7	1230.0	1155.3	1119.5
65°	550.5	549.8	590.0	685.1	833.4	845.2	792.6	705.5	613.5	588.1	581.4
67.5°	406.5	406.5	403.4	410.2	438.6	444.8	438.6	424.4	415.8	421.3	417.6
70°	352.8	353.4	349.7	347.8	347.8	346.0	348.4	354.0	357.7	365.1	361.4
72.5°	286.0	286.7	286.7	287.3	287.9	285.4	289.1	292.2	292.8	295.3	292.8
75°	203.3	204.5	208.2	211.3	213.8	213.8	215.0	215.6	213.1	216.2	211.3
77.5°	111.8	113.1	119.9	125.4	131.0	131.6	133.4	134.7	133.4	135.9	132.2
80°	61.8	63.0	66.1	68.6	72.9	76.6	79.1	80.3	80.3	82.2	80.3
82.5°	35.2	36.5	38.3	39.5	43.2	46.3	48.8	50.7	50.7	51.3	50.0
85°	16.7	16.7	17.9	19.2	21.0	22.2	25.3	27.2	27.2	28.4	27.2
87.5°	2.5	3.1	3.7	3.7	4.9	6.2	7.4	8.0	9.3	9.9	9.9
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)