

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: P631362

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631362  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-750-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

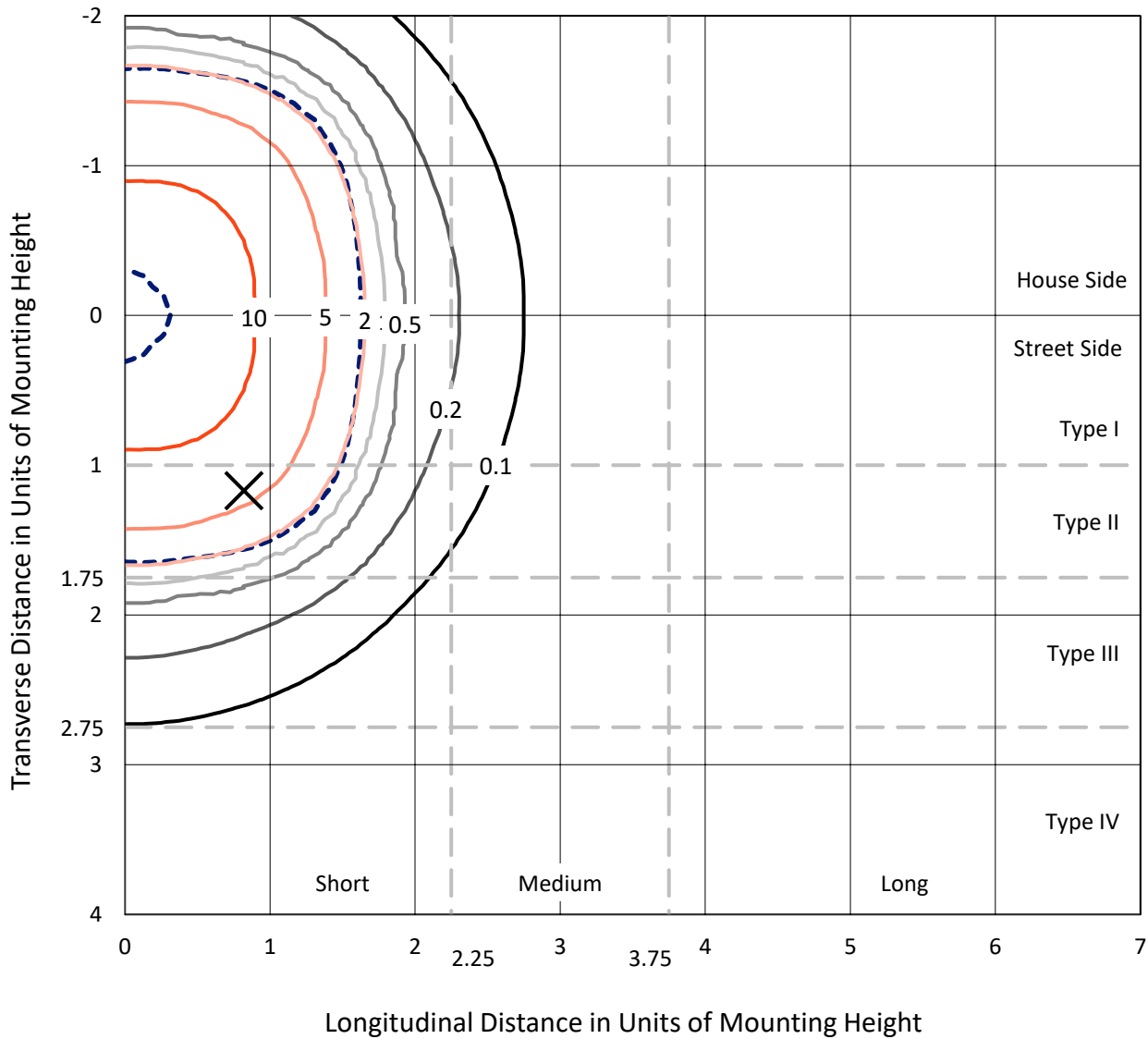
Lumens per Lamp: N/A  
Luminaire Lumens: 7812.7 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

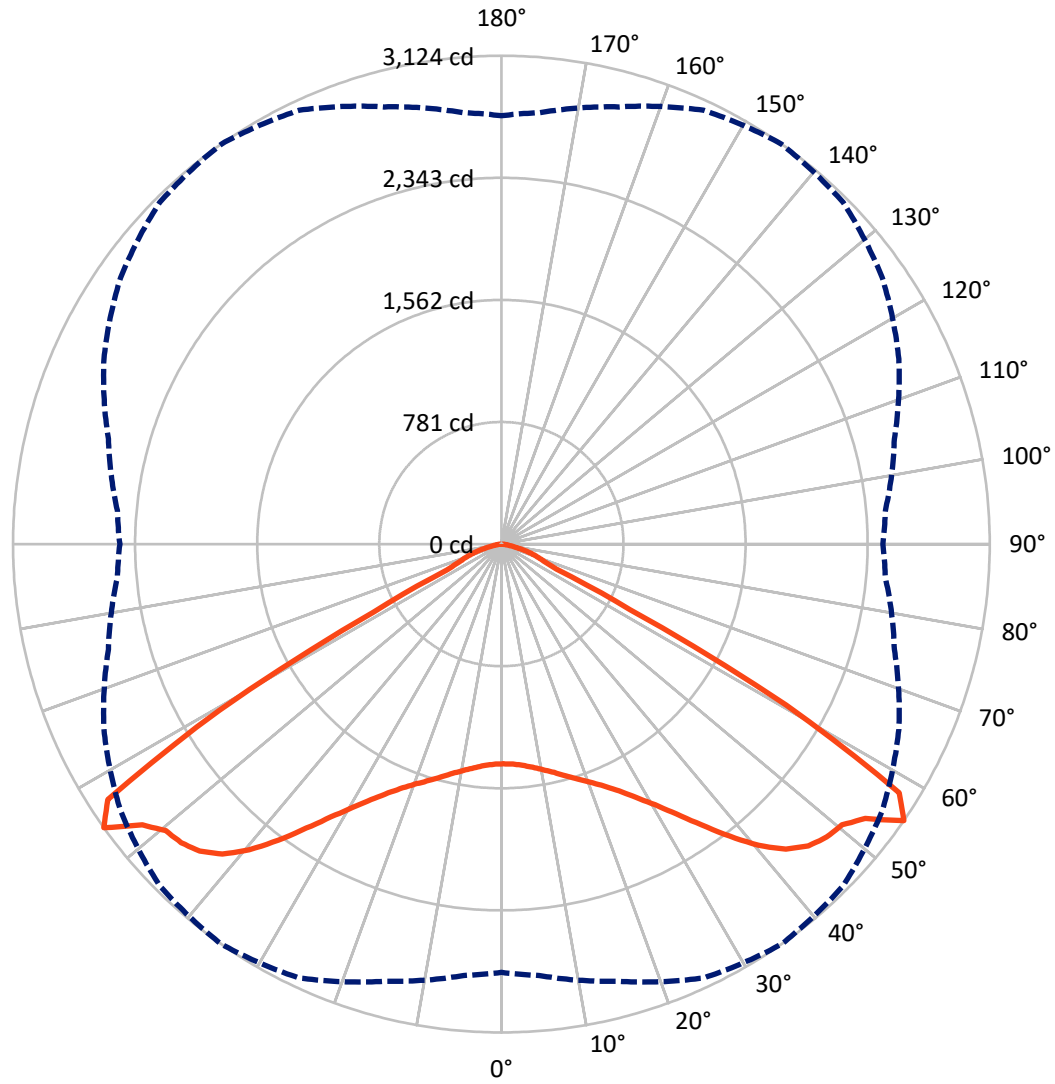
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3906.3	0.0	3906.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3906.3	0.0	3906.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7812.7	0.0	7812.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.1	1.8
10°-20°	436.5	5.6
20°-30°	807.8	10.3
30°-40°	1351.3	17.3
40°-50°	2059.2	26.4
50°-60°	2306.7	29.5
60°-70°	545.8	7.0
70°-80°	147.1	1.9
80°-90°	21.2	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°	7812.7	100.0
0°-180°	7812.7	100.0

**Coefficient of Utilization**



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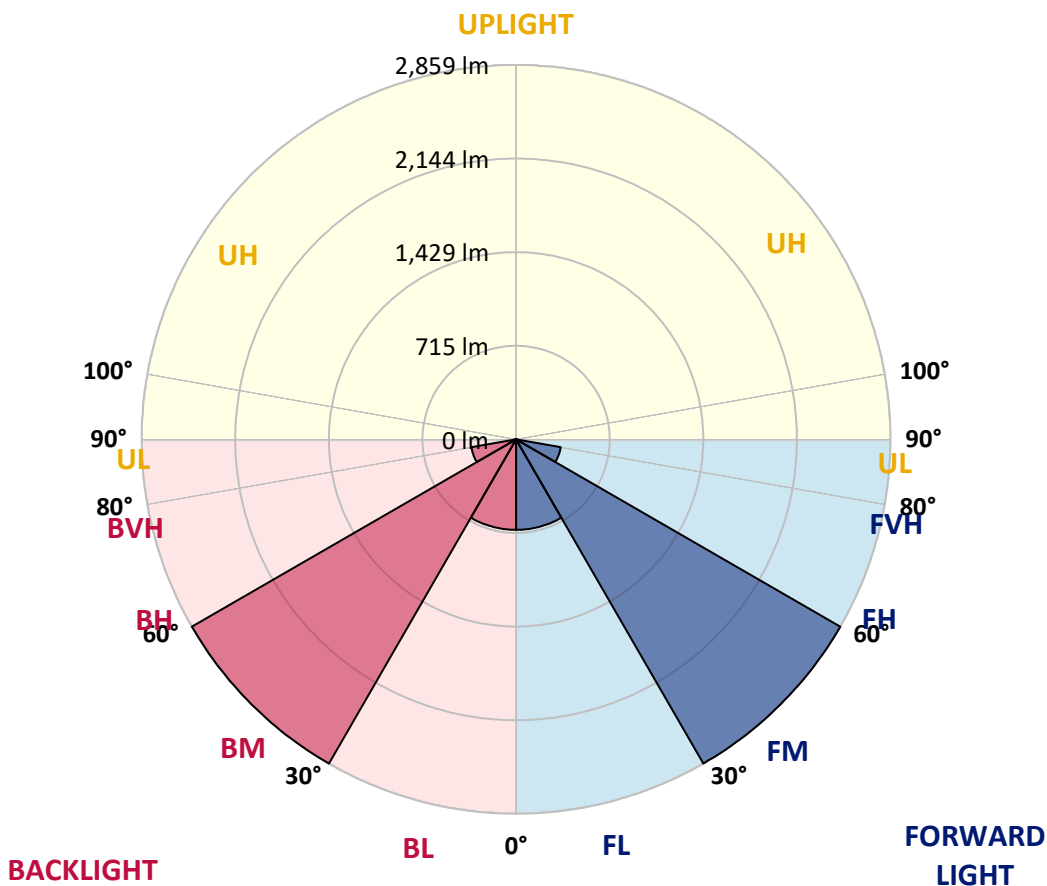
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.7	8.8			
FM (30°-60°)	2858.6	36.6			
FH (60°-80°)	346.5	4.4			G0/660
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	690.7	8.8	B2/1000		
BM (30°-60°)	2858.6	36.6	B3/5000		
BH (60°-80°)	346.5	4.4	B1/500		G0/660
BVH (80°-90°)	10.6	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°	1405.5	1405.5	1405.5	1405.5	1405.5	1405.5	1405.5	1405.5	1405.5	1405.5	1405.5
2.5°	1402.4	1402.4	1404.9	1408.0	1408.6	1414.8	1413.6	1411.1	1409.9	1407.4	1412.9
5°	1417.9	1418.5	1420.4	1422.2	1421.0	1425.9	1424.1	1421.0	1419.1	1416.0	1421.6
7.5°	1438.3	1438.3	1440.1	1442.6	1441.4	1448.8	1445.1	1440.7	1437.7	1433.9	1438.9
10°	1456.8	1458.0	1459.9	1464.8	1467.3	1475.3	1472.9	1466.7	1461.7	1457.4	1463.0
12.5°	1484.6	1485.8	1487.7	1494.5	1498.8	1506.8	1503.1	1494.5	1487.1	1480.9	1487.1
15°	1520.4	1519.2	1524.1	1532.8	1538.4	1545.8	1541.4	1526.6	1516.7	1508.7	1514.9
17.5°	1556.9	1556.3	1561.2	1572.3	1580.4	1590.3	1582.8	1565.5	1555.0	1545.2	1551.3
20°	1596.4	1598.3	1603.2	1613.7	1625.5	1638.4	1632.3	1613.7	1602.0	1590.9	1595.8
22.5°	1645.2	1645.9	1651.4	1665.0	1680.5	1692.8	1689.1	1666.2	1651.4	1639.7	1645.9
25°	1703.9	1703.3	1710.7	1726.8	1748.4	1760.8	1752.7	1727.4	1711.3	1697.8	1702.7
27.5°	1771.3	1770.7	1781.8	1802.8	1833.7	1851.0	1834.3	1802.8	1780.5	1761.4	1765.7
30°	1855.9	1854.1	1866.4	1894.8	1935.0	1964.0	1939.3	1895.5	1866.4	1846.0	1850.4
32.5°	1949.8	1952.3	1967.7	2006.0	2056.7	2094.4	2057.3	2008.5	1969.6	1939.9	1944.9
35°	2053.0	2053.0	2084.5	2132.1	2204.4	2254.4	2196.9	2126.5	2074.6	2033.8	2035.1
37.5°	2167.9	2169.1	2210.5	2276.0	2370.6	2429.2	2351.4	2264.3	2201.3	2157.4	2154.9
40°	2308.2	2311.9	2354.5	2427.4	2533.7	2587.4	2504.0	2418.7	2354.5	2302.6	2297.6
42.5°	2466.3	2467.5	2512.6	2578.1	2667.7	2699.8	2634.4	2564.5	2512.0	2465.1	2460.1
45°	2617.1	2614.0	2652.9	2701.7	2753.6	2756.7	2720.2	2691.8	2646.1	2605.9	2598.5
47.5°	2734.4	2732.0	2767.2	2793.8	2799.9	2769.7	2781.4	2785.7	2732.6	2678.2	2664.0
50°	2806.1	2811.1	2844.4	2859.2	2822.8	2773.4	2817.8	2806.7	2730.7	2659.7	2636.8
52.5°	2849.4	2856.8	2914.8	2952.5	2914.8	2867.9	2874.1	2808.6	2699.2	2605.3	2575.7
55°	2740.0	2769.7	2895.1	3061.9	3123.7	3090.9	2973.5	2804.9	2602.2	2465.7	2440.4
57.5°	2030.8	2077.7	2263.7	2625.1	3000.7	3120.0	2777.1	2351.4	2044.3	1868.9	1854.1
60°	1036.7	1089.2	1238.1	1609.4	2092.5	2260.6	1934.4	1505.6	1196.7	1054.6	1038.5
62.5°	423.2	431.9	480.7	624.0	924.9	1067.0	937.2	658.0	494.3	455.3	455.9
65°	333.0	334.9	332.4	341.0	387.4	430.0	397.3	349.1	340.4	344.7	341.7
67.5°	290.4	291.0	289.1	289.1	291.0	289.1	292.8	294.7	295.9	300.9	297.8
70°	242.8	243.4	243.4	244.7	244.0	240.9	246.5	249.0	249.6	252.7	250.8
72.5°	187.8	189.7	190.9	191.5	190.9	189.1	192.1	196.5	195.8	198.9	195.8
75°	127.3	129.7	131.0	133.4	132.8	132.8	136.5	138.4	136.5	139.0	136.5
77.5°	72.3	74.1	77.8	80.3	82.8	84.6	87.1	88.3	87.7	89.0	87.7
80°	42.0	42.6	45.7	47.0	50.0	53.1	55.6	56.8	57.5	58.1	57.5
82.5°	24.1	24.7	25.9	27.2	29.7	32.1	34.6	36.5	36.5	37.1	36.5
85°	11.7	11.7	12.4	13.0	14.2	16.1	17.9	19.8	20.4	20.4	20.4
87.5°	1.9	1.9	2.5	2.5	3.1	3.7	4.9	6.2	6.8	6.8	6.8
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)