

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: P631249

Luminaire Tested: GWS-SA1F-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631249  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

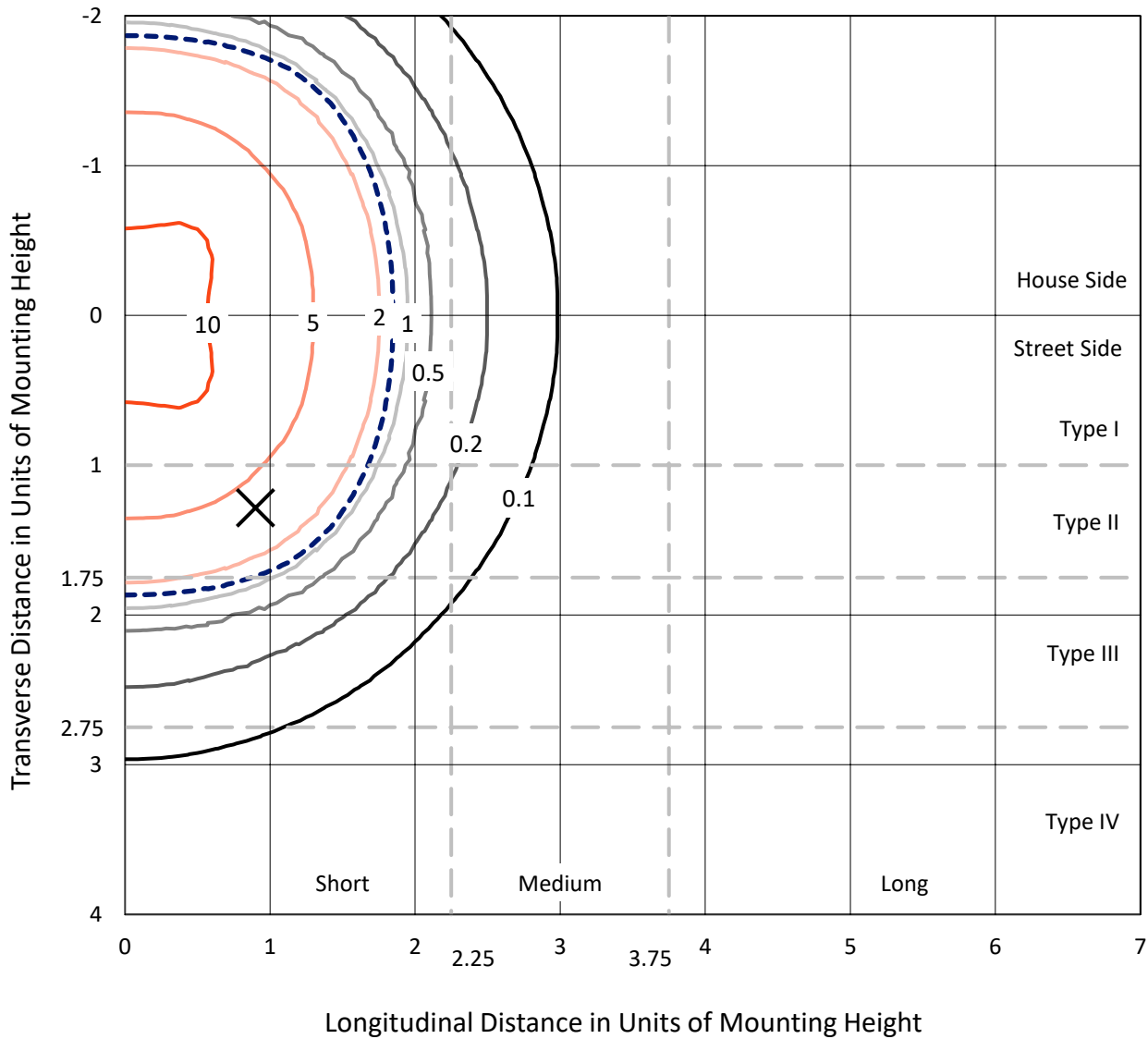
Lumens per Lamp: N/A  
Luminaire Lumens: 7275.6 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

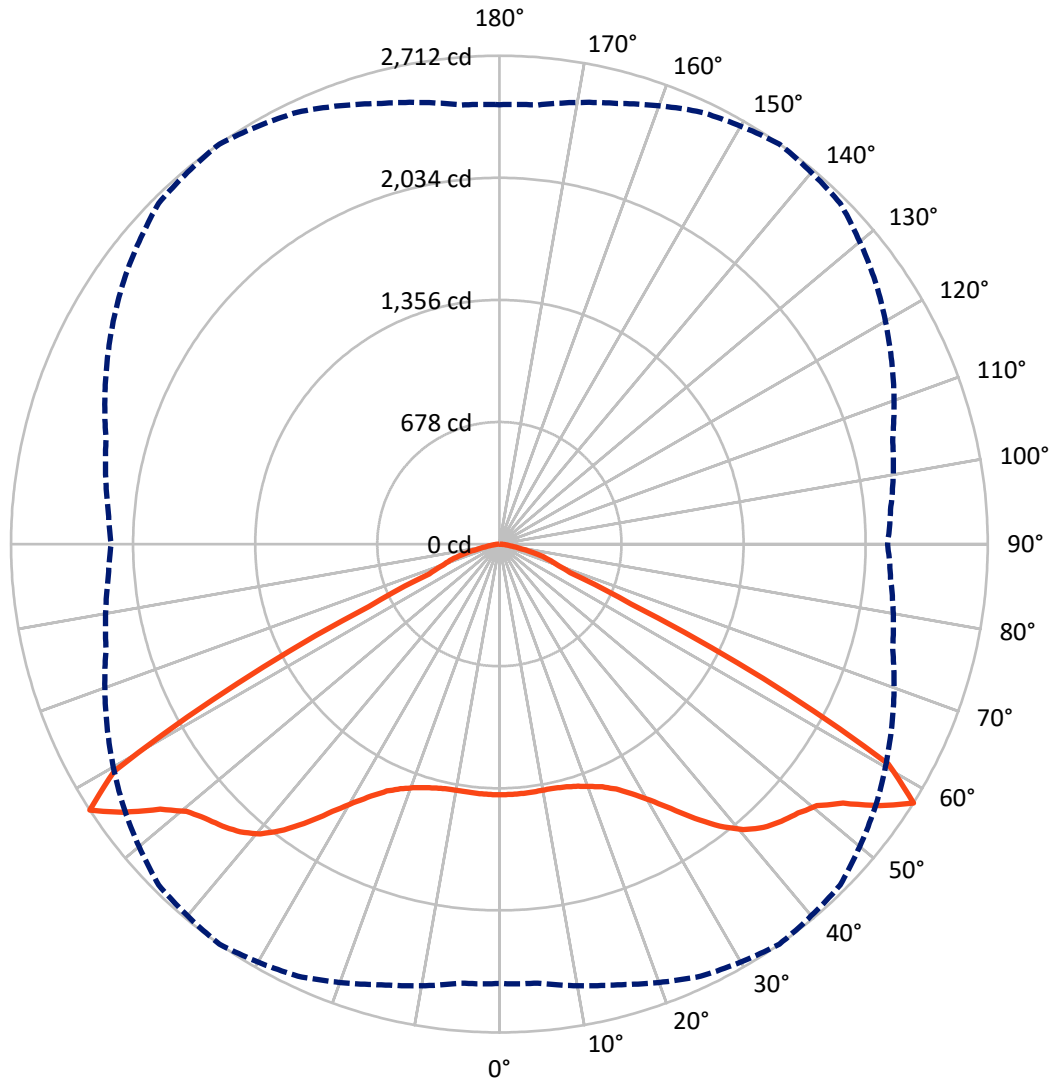
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 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	3637.8	0.0	3637.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3637.8	0.0	3637.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7275.6	0.0	7275.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.4	1.8
10°-20°	395.1	5.4
20°-30°	689.4	9.5
30°-40°	1130.5	15.5
40°-50°	1664.9	22.9
50°-60°	2124.7	29.2
60°-70°	895.5	12.3
70°-80°	213.9	2.9
80°-90°	29.1	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°	7275.6	100.0
0°-180°	7275.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P631249

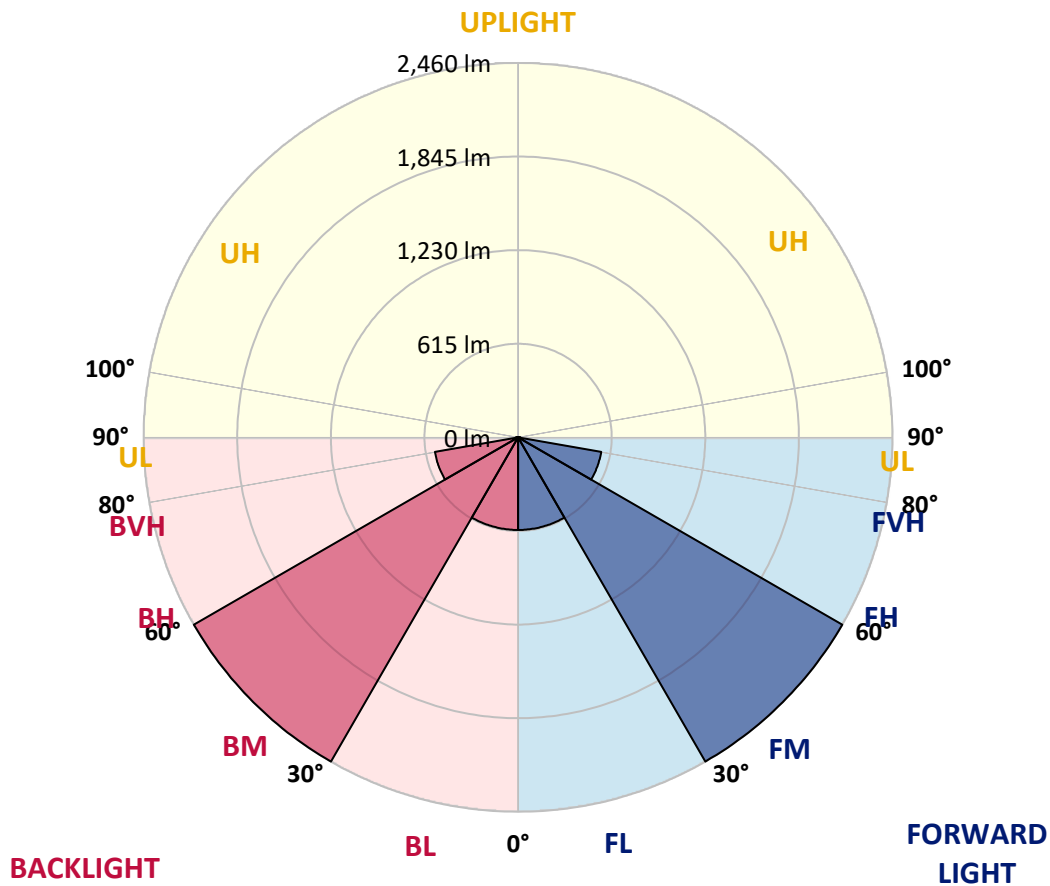
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.5	8.4			
FM (30°-60°)	2460.1	33.8			
FH (60°-80°)	554.7	7.6			G0/660
FVH (80°-90°)	14.6	0.2			G1/100
BL (0°-30°)	608.5	8.4	B2/1000		
BM (30°-60°)	2460.1	33.8	B2/2500		
BH (60°-80°)	554.7	7.6	B2/1000		G0/660
BVH (80°-90°)	14.6	0.2			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°	1392.1	1392.1	1392.1	1392.1	1392.1	1392.1	1392.1	1392.1	1392.1	1392.1	1392.1
2.5°	1383.8	1383.8	1386.7	1389.7	1390.9	1396.3	1395.7	1393.9	1392.7	1389.1	1393.9
5°	1386.7	1386.7	1389.1	1390.9	1390.3	1394.5	1392.7	1389.7	1387.9	1384.4	1389.7
7.5°	1386.1	1386.1	1387.9	1389.7	1388.5	1392.1	1389.1	1385.0	1382.0	1378.4	1383.2
10°	1378.4	1379.6	1381.4	1385.6	1387.3	1392.7	1388.5	1382.0	1377.2	1373.0	1377.8
12.5°	1377.2	1378.4	1380.8	1386.1	1389.1	1396.9	1391.5	1380.8	1373.6	1368.3	1373.0
15°	1382.6	1383.8	1387.3	1393.9	1398.7	1407.0	1399.3	1384.4	1374.2	1367.1	1371.3
17.5°	1389.1	1390.9	1396.3	1405.8	1413.5	1422.5	1413.0	1395.1	1380.8	1371.3	1374.8
20°	1396.3	1398.7	1407.0	1421.3	1435.6	1446.9	1435.0	1411.2	1393.9	1381.4	1385.0
22.5°	1408.8	1411.8	1422.5	1442.7	1464.2	1480.9	1466.0	1433.8	1411.2	1395.1	1398.1
25°	1434.4	1438.0	1451.7	1476.1	1506.5	1526.7	1505.9	1469.5	1438.0	1418.3	1421.3
27.5°	1479.7	1481.5	1499.3	1531.5	1569.0	1592.3	1567.2	1524.3	1489.2	1466.6	1468.9
30°	1539.2	1544.6	1562.5	1604.8	1649.4	1680.4	1647.6	1597.0	1556.5	1529.1	1531.5
32.5°	1611.9	1615.5	1642.3	1686.4	1750.7	1786.4	1741.8	1681.6	1632.8	1599.4	1601.8
35°	1707.2	1710.2	1735.8	1791.8	1869.8	1903.2	1852.0	1782.9	1726.3	1694.7	1703.6
37.5°	1821.0	1826.4	1844.8	1900.2	1987.2	2019.9	1961.0	1896.6	1837.7	1808.5	1815.0
40°	1943.1	1942.5	1957.4	2006.2	2085.5	2105.7	2052.7	2001.5	1950.9	1931.8	1942.5
42.5°	2047.9	2045.0	2055.7	2096.2	2151.0	2152.8	2117.6	2089.0	2053.3	2040.2	2050.3
45°	2121.2	2122.4	2138.5	2166.5	2194.5	2179.6	2168.9	2164.1	2136.1	2118.2	2120.0
47.5°	2179.0	2183.8	2209.4	2228.4	2232.0	2207.0	2221.9	2229.0	2205.8	2178.4	2170.7
50°	2230.2	2238.0	2271.3	2291.6	2283.8	2252.3	2281.5	2292.2	2240.9	2188.5	2173.0
52.5°	2323.1	2332.1	2372.6	2398.8	2389.9	2358.3	2385.7	2347.6	2261.2	2196.9	2177.2
55°	2471.5	2475.6	2525.1	2568.0	2563.8	2525.1	2503.0	2418.5	2313.6	2246.9	2228.4
57.5°	2439.9	2447.1	2532.8	2647.2	2711.5	2676.4	2547.1	2403.0	2260.6	2180.2	2155.2
60°	1919.9	1937.1	2043.8	2245.1	2481.0	2480.4	2240.4	2016.4	1844.8	1738.2	1727.5
62.5°	1121.1	1133.0	1230.1	1433.8	1645.3	1658.4	1489.8	1336.1	1186.0	1113.9	1079.4
65°	530.8	530.2	568.9	660.6	803.6	814.9	764.3	680.3	591.5	567.1	560.5
67.5°	392.0	392.0	389.0	395.5	422.9	428.9	422.9	409.2	400.9	406.3	402.7
70°	340.1	340.7	337.2	335.4	335.4	333.6	336.0	341.3	344.9	352.0	348.5
72.5°	275.8	276.4	276.4	277.0	277.6	275.2	278.8	281.8	282.4	284.7	282.4
75°	196.0	197.2	200.7	203.7	206.1	206.1	207.3	207.9	205.5	208.5	203.7
77.5°	107.8	109.0	115.6	120.9	126.3	126.9	128.7	129.9	128.7	131.0	127.5
80°	59.6	60.8	63.7	66.1	70.3	73.9	76.2	77.4	77.4	79.2	77.4
82.5°	34.0	35.1	36.9	38.1	41.7	44.7	47.1	48.8	48.8	49.4	48.3
85°	16.1	16.1	17.3	18.5	20.3	21.4	24.4	26.2	26.2	27.4	26.2
87.5°	2.4	3.0	3.6	3.6	4.8	6.0	7.1	7.7	8.9	9.5	9.5
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)