

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: P631420

Luminaire Tested: GWS-SA1F-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631420  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

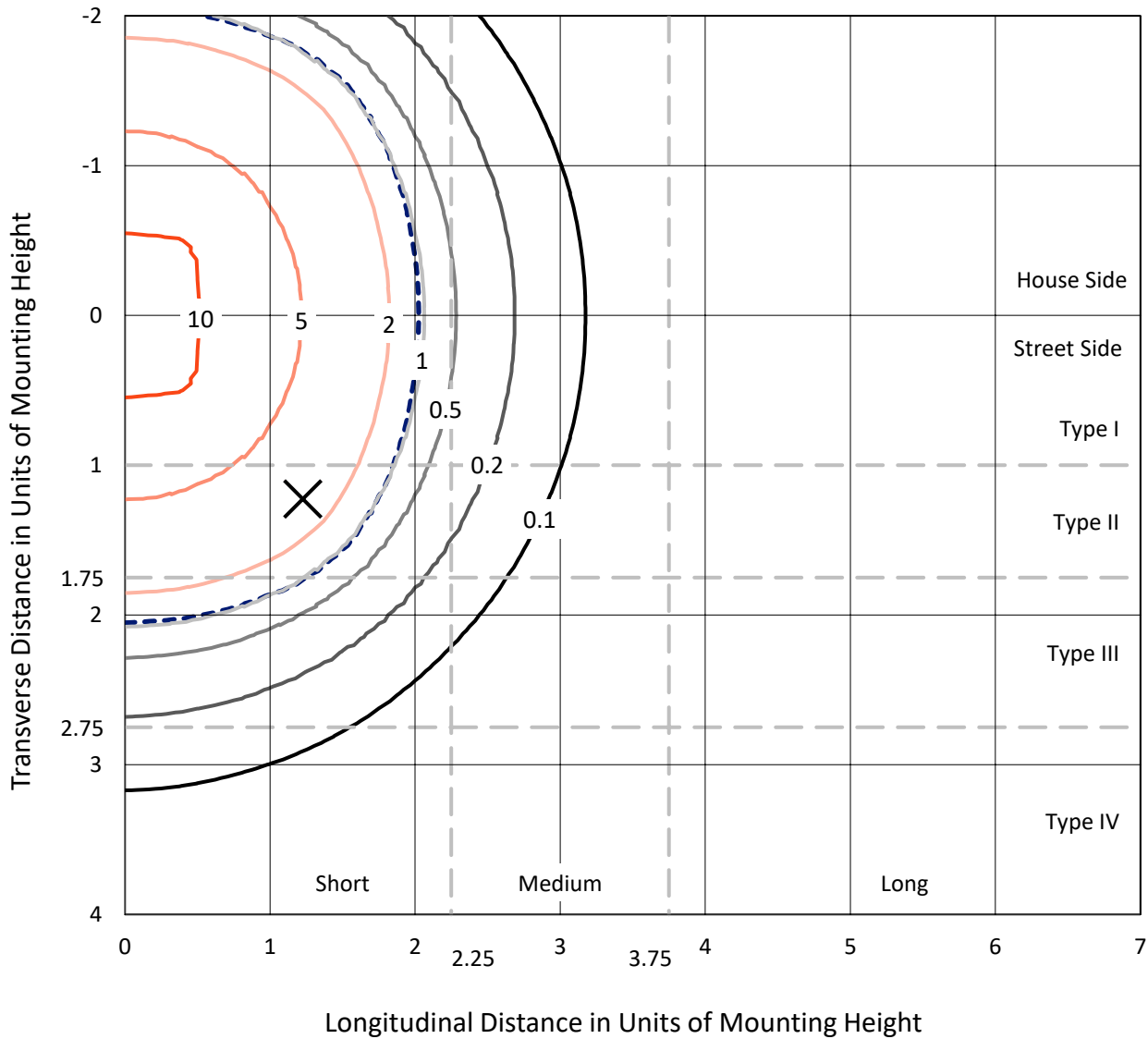
Lumens per Lamp: N/A  
Luminaire Lumens: 7178.5 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

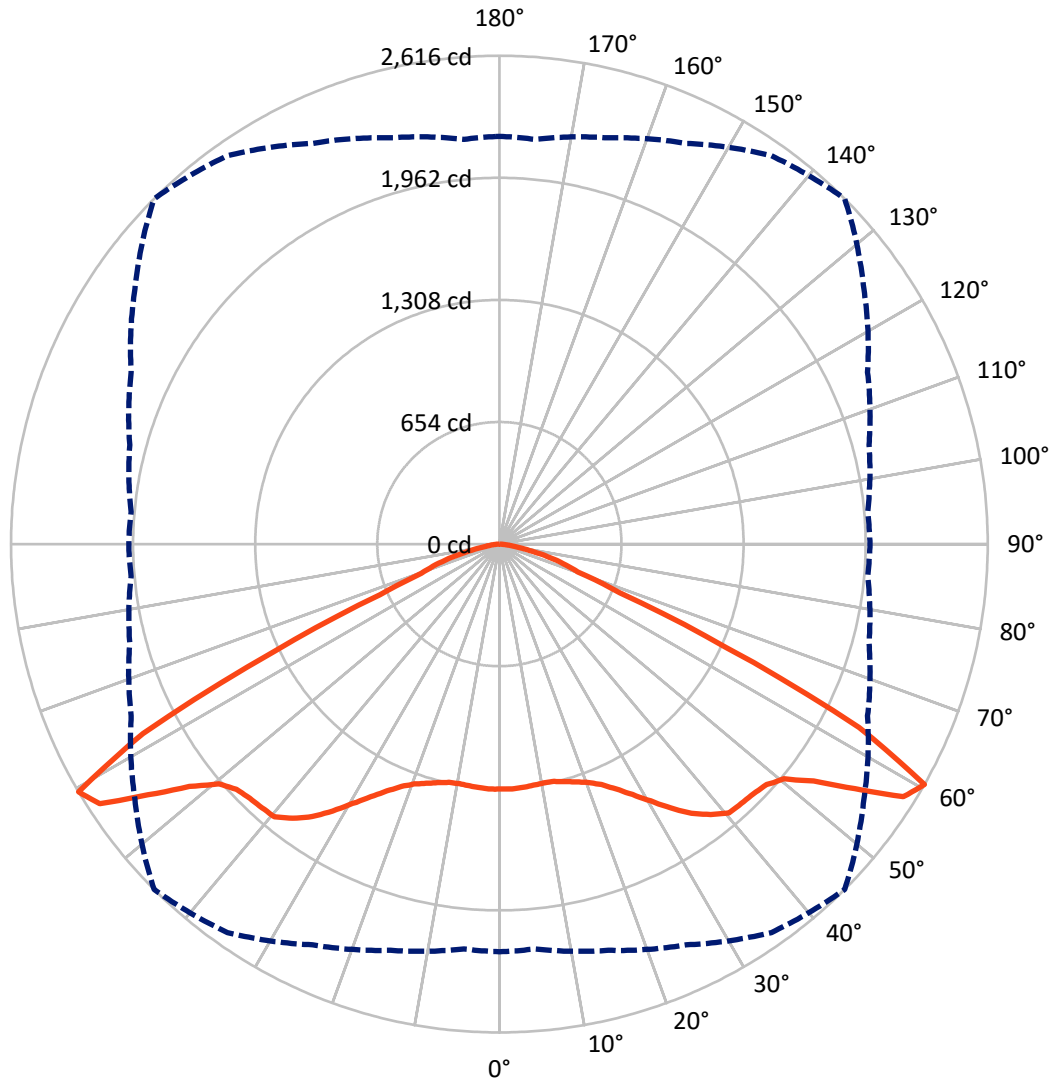
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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	3589.2	0.0	3589.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3589.2	0.0	3589.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7178.5	0.0	7178.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.4	1.7
10°-20°	374.2	5.2
20°-30°	662.0	9.2
30°-40°	1065.9	14.8
40°-50°	1465.1	20.4
50°-60°	1952.3	27.2
60°-70°	1216.8	17.0
70°-80°	279.8	3.9
80°-90°	38.0	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°	7178.5	100.0
0°-180°	7178.5	100.0

**Coefficient of Utilization**



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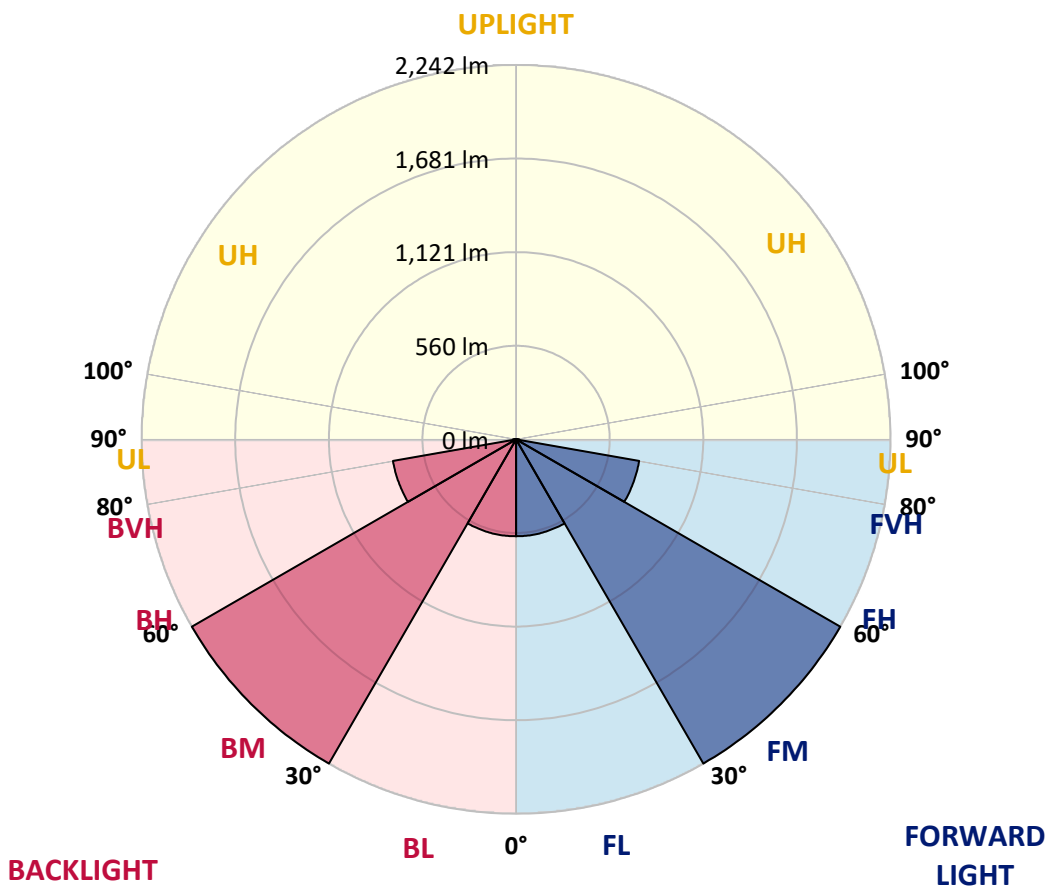
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.3	8.1			
FM (30°-60°)	2241.6	31.2			
FH (60°-80°)	748.3	10.4			G1/1800
FVH (80°-90°)	19.0	0.3			G1/100
BL (0°-30°)	580.3	8.1	B2/1000		
BM (30°-60°)	2241.6	31.2	B2/2500		
BH (60°-80°)	748.3	10.4	B2/1000		G1/1800
BVH (80°-90°)	19.0	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°	1311.9	1311.9	1311.9	1311.9	1311.9	1311.9	1311.9	1311.9	1311.9	1311.9	1311.9
2.5°	1302.7	1303.9	1306.4	1308.2	1310.6	1313.1	1314.3	1311.9	1310.6	1305.8	1311.3
5°	1303.9	1305.2	1307.0	1307.0	1307.6	1309.4	1309.4	1306.4	1303.3	1297.8	1303.9
7.5°	1302.1	1303.3	1303.9	1303.3	1303.9	1304.5	1303.3	1299.7	1296.6	1291.8	1296.6
10°	1299.1	1300.3	1301.5	1300.3	1299.1	1300.9	1300.9	1298.5	1296.6	1291.8	1297.2
12.5°	1305.8	1307.6	1308.2	1305.2	1303.9	1304.5	1304.5	1302.1	1302.1	1297.8	1303.9
15°	1321.6	1322.8	1321.0	1317.3	1318.0	1319.8	1315.5	1309.4	1308.2	1306.4	1311.3
17.5°	1333.8	1335.0	1333.2	1330.7	1335.0	1339.3	1331.4	1319.8	1316.1	1314.9	1320.4
20°	1347.2	1349.0	1346.6	1349.6	1358.2	1363.0	1353.3	1337.5	1330.1	1328.3	1335.0
22.5°	1369.1	1371.6	1371.6	1378.3	1391.1	1399.0	1386.8	1365.5	1354.5	1351.5	1358.2
25°	1403.9	1405.7	1407.5	1420.9	1441.6	1452.6	1433.1	1403.9	1388.6	1383.8	1387.4
27.5°	1452.0	1455.1	1458.1	1477.6	1503.2	1519.0	1491.0	1454.4	1435.6	1425.8	1433.1
30°	1509.3	1513.5	1520.9	1542.8	1578.7	1596.4	1560.5	1516.0	1494.7	1484.3	1494.0
32.5°	1587.3	1587.9	1593.4	1617.7	1665.3	1685.4	1640.3	1590.9	1569.0	1556.8	1562.3
35°	1679.9	1680.5	1672.0	1696.9	1748.1	1770.7	1717.7	1667.7	1649.4	1645.8	1659.8
37.5°	1774.9	1769.5	1760.9	1771.9	1823.7	1838.3	1782.3	1739.6	1731.7	1738.4	1759.1
40°	1842.6	1833.4	1816.4	1824.3	1876.7	1893.8	1834.0	1793.8	1791.4	1807.8	1832.8
42.5°	1886.4	1876.7	1856.6	1856.6	1892.5	1899.9	1853.5	1832.2	1837.7	1856.6	1880.4
45°	1907.8	1902.3	1890.7	1884.6	1904.7	1907.8	1872.4	1863.9	1874.3	1883.4	1901.7
47.5°	1924.2	1924.2	1920.6	1914.5	1923.6	1925.4	1899.2	1896.8	1910.2	1910.2	1922.4
50°	1953.5	1956.5	1961.4	1960.2	1969.9	1976.0	1956.5	1952.9	1958.3	1940.7	1946.8
52.5°	2030.2	2038.2	2052.2	2063.1	2088.1	2107.0	2072.3	2043.0	2014.4	1975.4	1976.6
55°	2168.0	2171.6	2199.0	2231.3	2273.4	2311.8	2240.5	2149.7	2087.5	2041.8	2042.4
57.5°	2284.3	2289.8	2330.0	2397.7	2492.1	2551.8	2394.0	2242.3	2154.5	2098.5	2100.3
60°	2183.8	2176.5	2252.6	2368.4	2539.6	2615.8	2383.0	2175.9	2049.7	1980.3	1985.2
62.5°	1689.6	1675.6	1760.3	1881.6	2086.9	2163.1	1948.6	1750.0	1630.5	1576.3	1568.4
65°	1028.5	1015.7	1076.7	1151.0	1289.9	1338.1	1240.0	1134.5	1030.4	997.5	988.3
67.5°	560.0	558.1	574.6	611.1	672.1	694.6	675.7	625.8	599.0	575.8	575.8
70°	444.2	440.5	437.5	438.1	443.6	446.6	447.2	444.8	447.8	448.5	446.0
72.5°	368.0	366.8	360.7	361.3	358.9	357.7	361.9	364.4	369.2	369.9	369.9
75°	266.9	263.8	266.9	267.5	265.1	265.1	268.1	267.5	269.9	271.1	264.4
77.5°	151.7	151.7	156.0	160.9	164.5	164.5	167.6	167.6	170.6	170.0	168.8
80°	83.5	83.5	85.9	89.0	92.6	96.3	99.3	99.9	101.8	101.1	99.3
82.5°	47.5	48.1	49.4	51.2	54.8	57.9	60.9	61.5	63.4	63.4	61.5
85°	22.5	21.9	22.5	23.8	25.6	28.0	31.1	32.9	34.1	34.1	32.9
87.5°	4.3	4.9	4.3	4.9	5.5	7.3	8.5	9.7	11.6	12.2	11.0
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)