

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: P631255

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631255  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

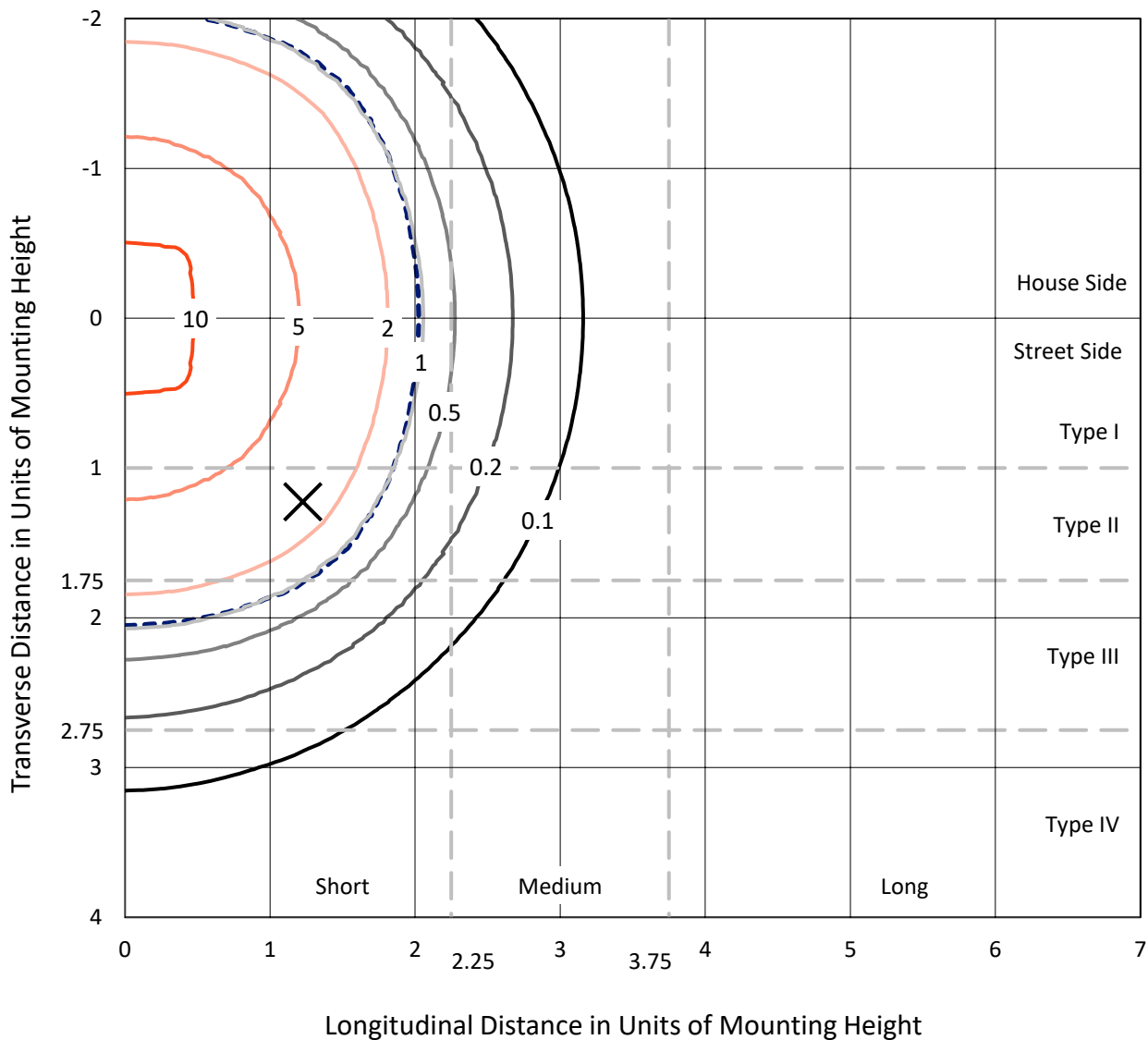
Lumens per Lamp: N/A  
Luminaire Lumens: 7017.7 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

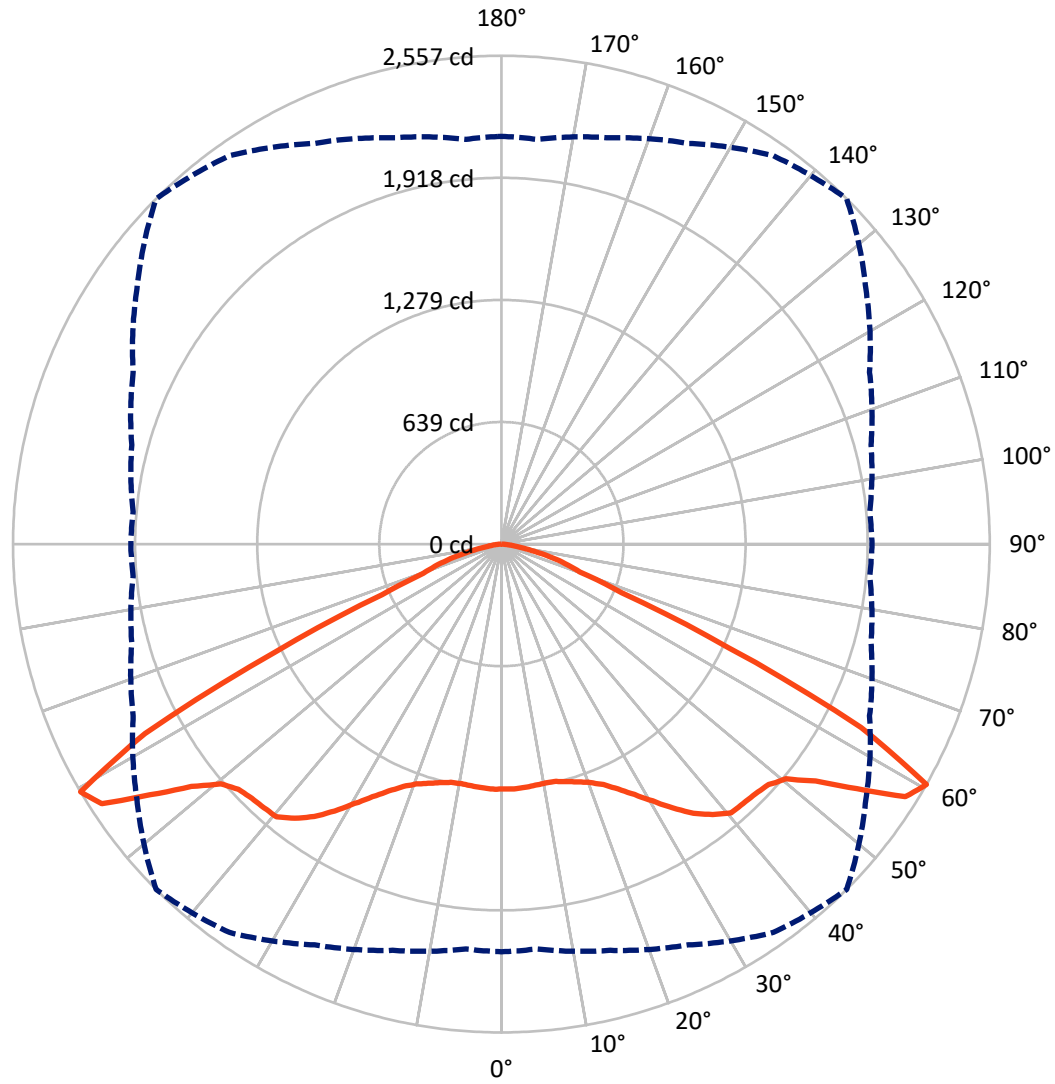
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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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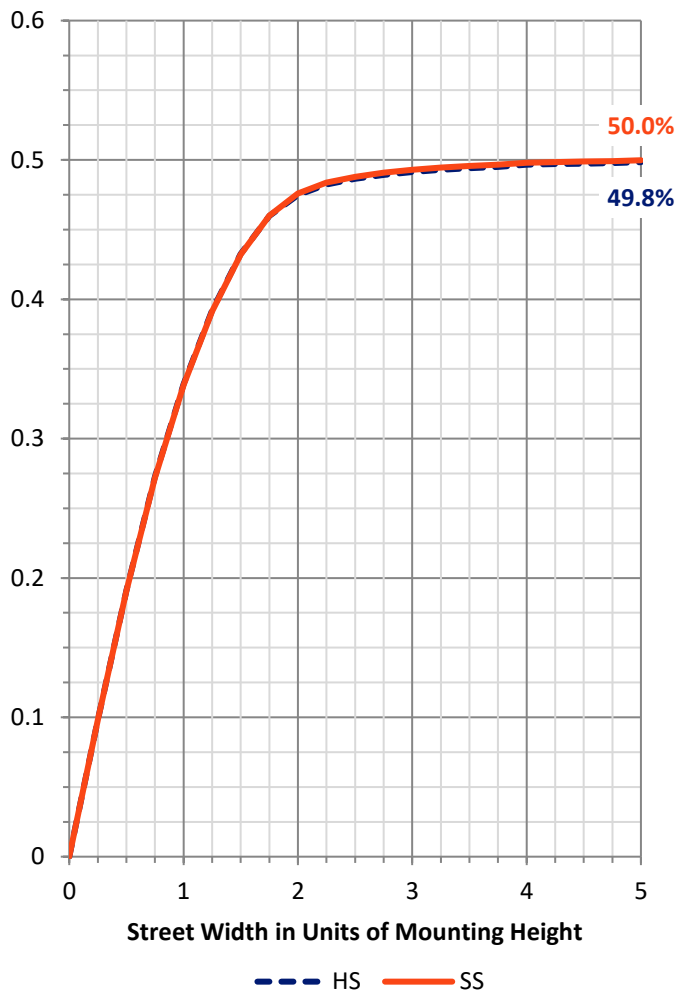
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3508.8	0.0	3508.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3508.8	0.0	3508.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7017.7	0.0	7017.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.6	1.7
10°-20°	365.8	5.2
20°-30°	647.2	9.2
30°-40°	1042.0	14.8
40°-50°	1432.2	20.4
50°-60°	1908.6	27.2
60°-70°	1189.5	17.0
70°-80°	273.5	3.9
80°-90°	37.1	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°	7017.7	100.0
0°-180°	7017.7	100.0

**Coefficient of Utilization**



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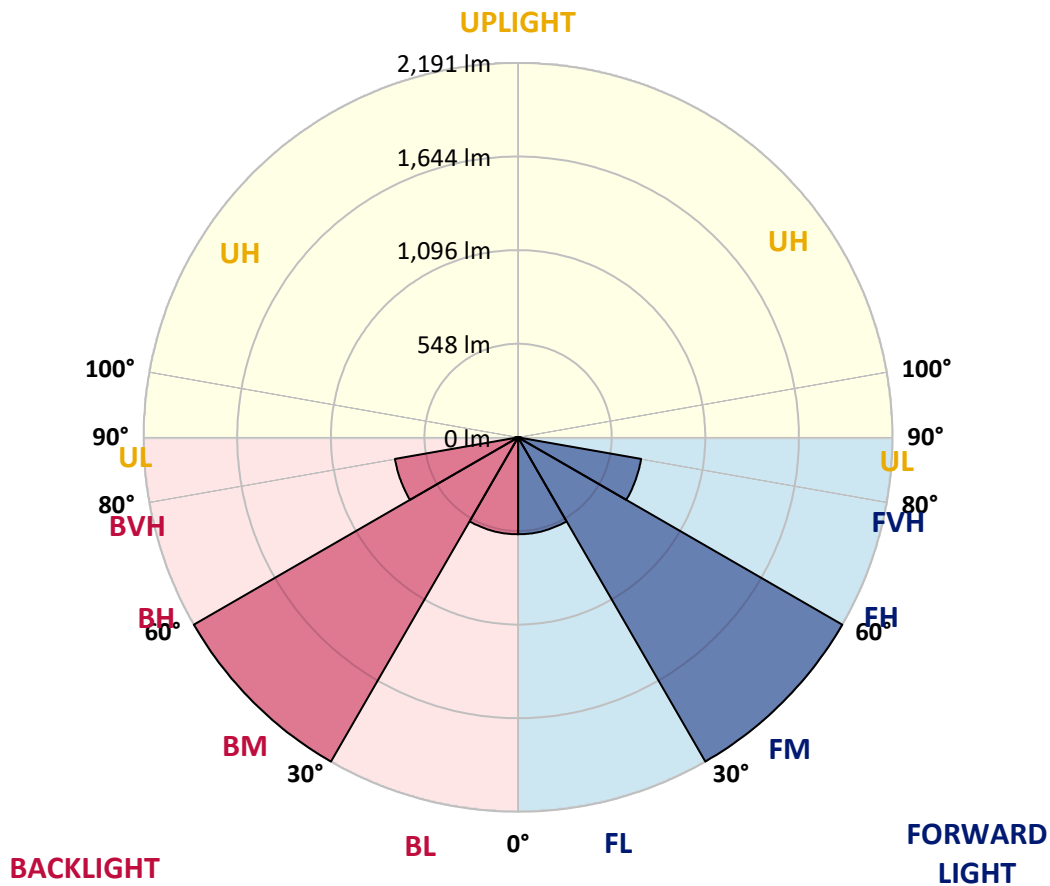
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.3	8.1			
FM (30°-60°)	2191.4	31.2			
FH (60°-80°)	731.5	10.4			G1/1800
FVH (80°-90°)	18.6	0.3			G1/100
BL (0°-30°)	567.3	8.1	B2/1000		
BM (30°-60°)	2191.4	31.2	B2/2500		
BH (60°-80°)	731.5	10.4	B2/1000		G1/1800
BVH (80°-90°)	18.6	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°	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5
2.5°	1273.5	1274.7	1277.1	1278.9	1281.3	1283.7	1284.9	1282.5	1281.3	1276.5	1281.9
5°	1274.7	1275.9	1277.7	1277.7	1278.3	1280.1	1280.1	1277.1	1274.1	1268.8	1274.7
7.5°	1272.9	1274.1	1274.7	1274.1	1274.7	1275.3	1274.1	1270.6	1267.6	1262.8	1267.6
10°	1270.0	1271.2	1272.3	1271.2	1270.0	1271.8	1271.8	1269.4	1267.6	1262.8	1268.2
12.5°	1276.5	1278.3	1278.9	1275.9	1274.7	1275.3	1275.3	1272.9	1272.9	1268.8	1274.7
15°	1292.0	1293.2	1291.4	1287.8	1288.4	1290.2	1286.0	1280.1	1278.9	1277.1	1281.9
17.5°	1303.9	1305.1	1303.3	1300.9	1305.1	1309.3	1301.5	1290.2	1286.6	1285.5	1290.8
20°	1317.0	1318.8	1316.4	1319.4	1327.7	1332.5	1323.0	1307.5	1300.3	1298.6	1305.1
22.5°	1338.5	1340.9	1340.9	1347.4	1359.9	1367.7	1355.7	1334.9	1324.2	1321.2	1327.7
25°	1372.4	1374.2	1376.0	1389.1	1409.4	1420.1	1401.0	1372.4	1357.5	1352.8	1356.3
27.5°	1419.5	1422.5	1425.4	1444.5	1469.5	1485.0	1457.6	1421.9	1403.4	1393.9	1401.0
30°	1475.5	1479.6	1486.8	1508.2	1543.4	1560.7	1525.5	1482.0	1461.2	1451.0	1460.6
32.5°	1551.7	1552.3	1557.7	1581.5	1628.0	1647.6	1603.5	1555.3	1533.8	1521.9	1527.3
35°	1642.3	1642.9	1634.5	1658.9	1709.0	1731.0	1679.2	1630.3	1612.5	1608.9	1622.6
37.5°	1735.2	1729.8	1721.5	1732.2	1782.8	1797.1	1742.3	1700.6	1692.9	1699.4	1719.7
40°	1801.3	1792.4	1775.7	1783.4	1834.7	1851.3	1793.0	1753.6	1751.3	1767.3	1791.8
42.5°	1844.2	1834.7	1815.0	1815.0	1850.1	1857.3	1812.0	1791.2	1796.5	1815.0	1838.2
45°	1865.0	1859.7	1848.4	1842.4	1862.1	1865.0	1830.5	1822.2	1832.3	1841.2	1859.1
47.5°	1881.1	1881.1	1877.5	1871.6	1880.5	1882.3	1856.7	1854.3	1867.4	1867.4	1879.3
50°	1909.7	1912.7	1917.5	1916.3	1925.8	1931.8	1912.7	1909.1	1914.5	1897.2	1903.2
52.5°	1984.8	1992.5	2006.2	2016.9	2041.4	2059.8	2025.9	1997.3	1969.3	1931.2	1932.3
55°	2119.4	2123.0	2149.8	2181.3	2222.4	2260.0	2190.3	2101.5	2040.8	1996.1	1996.7
57.5°	2233.2	2238.5	2277.8	2344.0	2436.3	2494.7	2340.4	2192.1	2106.3	2051.5	2053.3
60°	2134.9	2127.7	2202.2	2315.4	2482.7	2557.2	2329.7	2127.1	2003.8	1935.9	1940.7
62.5°	1651.8	1638.1	1720.9	1839.4	2040.2	2114.6	1904.9	1710.8	1594.0	1541.0	1533.3
65°	1005.5	993.0	1052.5	1125.2	1261.0	1308.1	1212.2	1109.1	1007.3	975.1	966.2
67.5°	547.4	545.6	561.7	597.5	657.0	679.1	660.6	611.8	585.5	562.9	562.9
70°	434.2	430.7	427.7	428.3	433.6	436.6	437.2	434.8	437.8	438.4	436.0
72.5°	359.8	358.6	352.6	353.2	350.8	349.7	353.8	356.2	361.0	361.6	361.6
75°	260.9	257.9	260.9	261.5	259.1	259.1	262.1	261.5	263.9	265.1	258.5
77.5°	148.3	148.3	152.5	157.3	160.8	160.8	163.8	163.8	166.8	166.2	165.0
80°	81.6	81.6	84.0	87.0	90.5	94.1	97.1	97.7	99.5	98.9	97.1
82.5°	46.5	47.1	48.2	50.0	53.6	56.6	59.6	60.2	61.9	61.9	60.2
85°	22.0	21.4	22.0	23.2	25.0	27.4	30.4	32.2	33.4	33.4	32.2
87.5°	4.2	4.8	4.2	4.8	5.4	7.1	8.3	9.5	11.3	11.9	10.7
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)