

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: P630754

Luminaire Tested: GWS-SA1E-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630754  
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-SA1E-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**

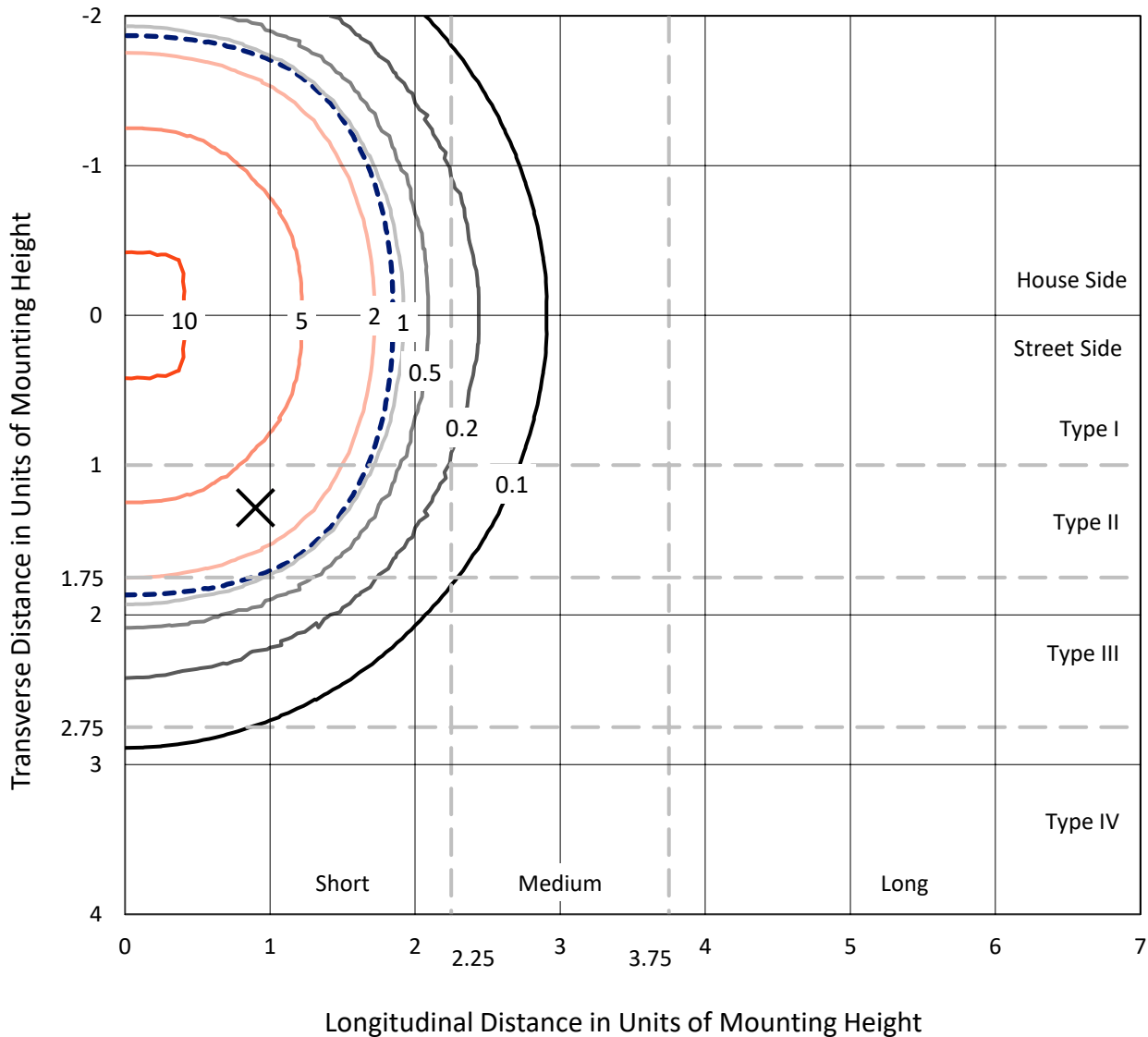
Lumens per Lamp: N/A  
Luminaire Lumens: 6543.9 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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: P630754  
 CATALOG NUMBER: GWS-SA1E-735-U-5MQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

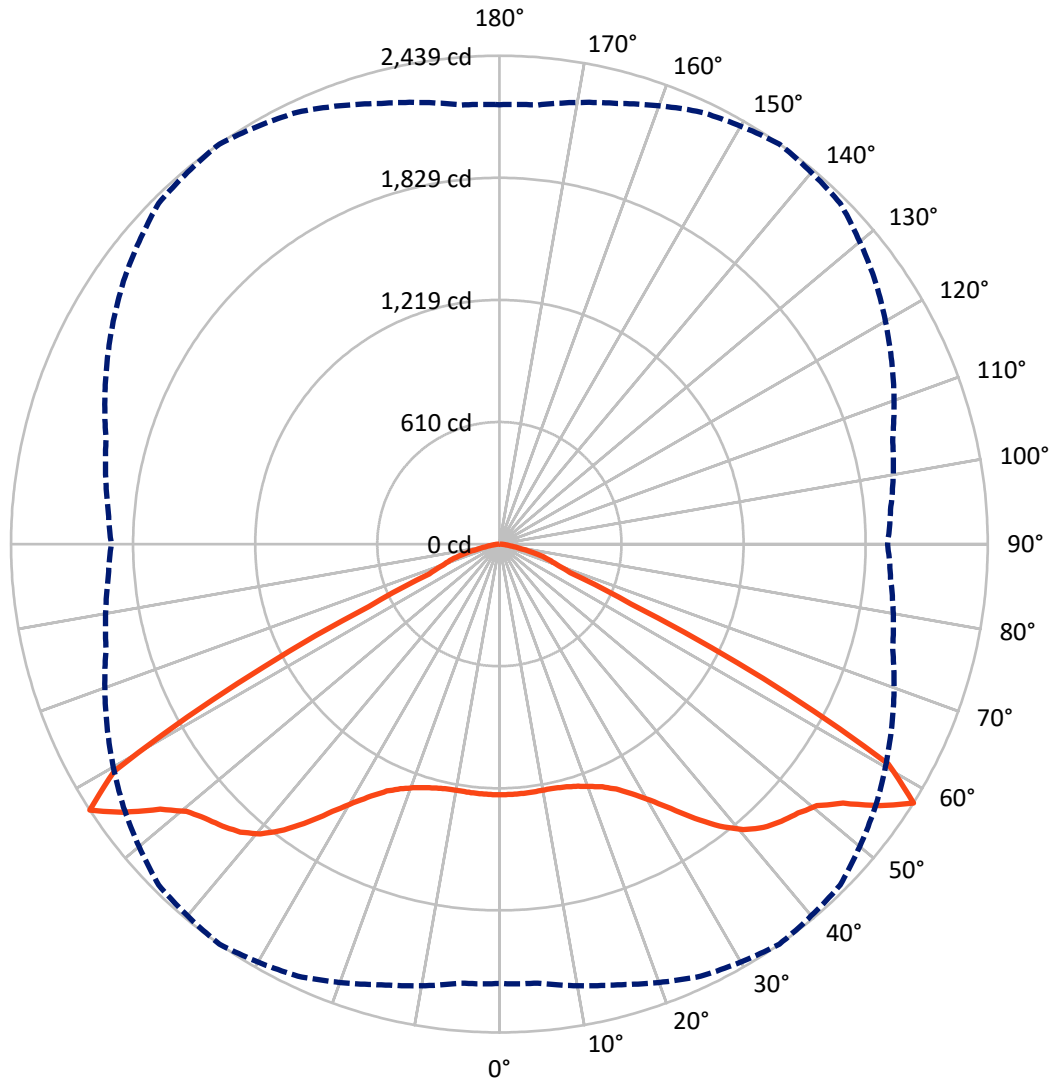
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P630754  
CATALOG NUMBER: GWS-SA1E-735-U-5MQ-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630754

CATALOG NUMBER: GWS-SA1E-735-U-5MQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3272.0	0.0	3272.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3272.0	0.0	3272.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6543.9	0.0	6543.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.1	1.8
10°-20°	355.4	5.4
20°-30°	620.1	9.5
30°-40°	1016.8	15.5
40°-50°	1497.5	22.9
50°-60°	1911.1	29.2
60°-70°	805.4	12.3
70°-80°	192.4	2.9
80°-90°	26.2	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°	6543.9	100.0
0°-180°	6543.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630754

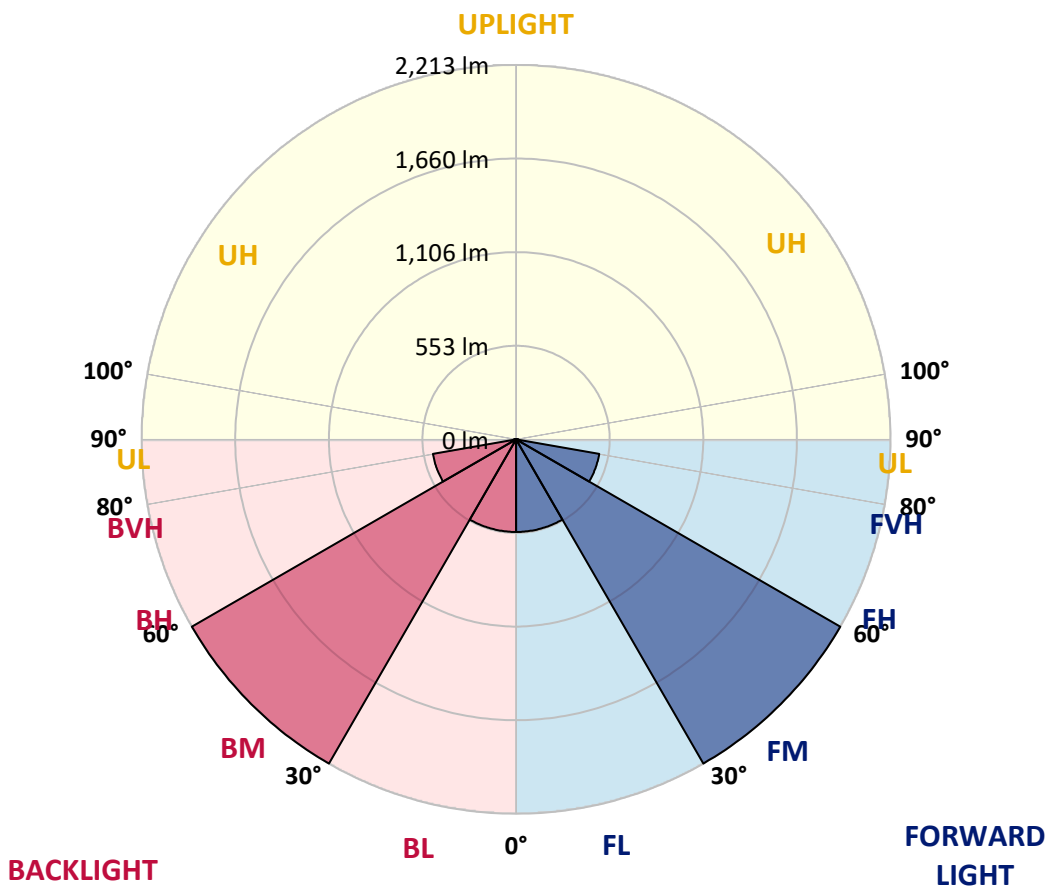
CATALOG NUMBER: GWS-SA1E-735-U-5MQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.3	8.4			
FM (30°-60°)	2212.7	33.8			
FH (60°-80°)	498.9	7.6			G0/660
FVH (80°-90°)	13.1	0.2			G1/100
BL (0°-30°)	547.3	8.4	B2/1000		
BM (30°-60°)	2212.7	33.8	B2/2500		
BH (60°-80°)	498.9	7.6	B1/500		G0/660
BVH (80°-90°)	13.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





REPORT NUMBER: P630754

CATALOG NUMBER: GWS-SA1E-735-U-5MQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1244.6	1244.6	1247.3	1250.0	1251.0	1255.9	1255.3	1253.7	1252.6	1249.4	1253.7
5°	1247.3	1247.3	1249.4	1251.0	1250.5	1254.2	1252.6	1250.0	1248.3	1245.1	1250.0
7.5°	1246.7	1246.7	1248.3	1250.0	1248.9	1252.1	1249.4	1245.7	1243.0	1239.8	1244.1
10°	1239.8	1240.8	1242.5	1246.2	1247.8	1252.6	1248.9	1243.0	1238.7	1235.0	1239.2
12.5°	1238.7	1239.8	1241.9	1246.7	1249.4	1256.4	1251.6	1241.9	1235.5	1230.7	1235.0
15°	1243.5	1244.6	1247.8	1253.7	1258.0	1265.5	1258.5	1245.1	1236.0	1229.6	1233.3
17.5°	1249.4	1251.0	1255.9	1264.4	1271.4	1279.4	1270.9	1254.8	1241.9	1233.3	1236.6
20°	1255.9	1258.0	1265.5	1278.4	1291.2	1301.4	1290.7	1269.2	1253.7	1242.5	1245.7
22.5°	1267.1	1269.8	1279.4	1297.6	1316.9	1331.9	1318.5	1289.6	1269.2	1254.8	1257.5
25°	1290.1	1293.4	1305.7	1327.6	1355.0	1373.2	1354.4	1321.8	1293.4	1275.7	1278.4
27.5°	1330.9	1332.5	1348.5	1377.5	1411.2	1432.1	1409.6	1371.0	1339.4	1319.1	1321.2
30°	1384.4	1389.3	1405.3	1443.4	1483.6	1511.4	1481.9	1436.4	1400.0	1375.3	1377.5
32.5°	1449.8	1453.0	1477.1	1516.8	1574.6	1606.8	1566.6	1512.5	1468.6	1438.5	1440.7
35°	1535.5	1538.2	1561.2	1611.6	1681.8	1711.8	1665.7	1603.6	1552.7	1524.3	1532.3
37.5°	1637.9	1642.7	1659.3	1709.1	1787.3	1816.8	1763.8	1705.9	1652.9	1626.6	1632.5
40°	1747.7	1747.2	1760.5	1804.5	1875.7	1894.0	1846.3	1800.2	1754.7	1737.5	1747.2
42.5°	1842.0	1839.3	1849.0	1885.4	1934.7	1936.3	1904.7	1879.0	1846.8	1835.0	1844.1
45°	1907.9	1909.0	1923.4	1948.6	1973.8	1960.4	1950.7	1946.5	1921.3	1905.2	1906.8
47.5°	1959.9	1964.1	1987.2	2004.3	2007.5	1985.0	1998.4	2004.9	1984.0	1959.3	1952.4
50°	2005.9	2012.9	2042.9	2061.1	2054.2	2025.8	2052.0	2061.7	2015.6	1968.4	1954.5
52.5°	2089.5	2097.5	2134.0	2157.6	2149.5	2121.1	2145.8	2111.5	2033.8	1975.9	1958.2
55°	2222.9	2226.7	2271.1	2309.7	2306.0	2271.1	2251.3	2175.2	2080.9	2020.9	2004.3
57.5°	2194.5	2201.0	2278.1	2381.0	2438.8	2407.2	2291.0	2161.3	2033.3	1960.9	1938.4
60°	1726.8	1742.3	1838.2	2019.3	2231.5	2231.0	2015.0	1813.6	1659.3	1563.4	1553.7
62.5°	1008.3	1019.0	1106.4	1289.6	1479.8	1491.6	1340.0	1201.7	1066.7	1001.9	970.8
65°	477.4	476.8	511.7	594.2	722.8	732.9	687.4	611.9	532.0	510.1	504.2
67.5°	352.5	352.5	349.9	355.8	380.4	385.8	380.4	368.1	360.6	365.4	362.2
70°	305.9	306.5	303.2	301.6	301.6	300.0	302.2	307.0	310.2	316.6	313.4
72.5°	248.1	248.6	248.6	249.1	249.7	247.5	250.7	253.4	254.0	256.1	254.0
75°	176.3	177.3	180.6	183.2	185.4	185.4	186.4	187.0	184.8	187.5	183.2
77.5°	97.0	98.0	103.9	108.8	113.6	114.1	115.7	116.8	115.7	117.9	114.7
80°	53.6	54.6	57.3	59.5	63.2	66.4	68.6	69.7	69.7	71.3	69.7
82.5°	30.5	31.6	33.2	34.3	37.5	40.2	42.3	43.9	43.9	44.5	43.4
85°	14.5	14.5	15.5	16.6	18.2	19.3	22.0	23.6	23.6	24.6	23.6
87.5°	2.1	2.7	3.2	3.2	4.3	5.4	6.4	7.0	8.0	8.6	8.6
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)