

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: P631744

Luminaire Tested: GWS-SA2B-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631744  
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-SA2B-735-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

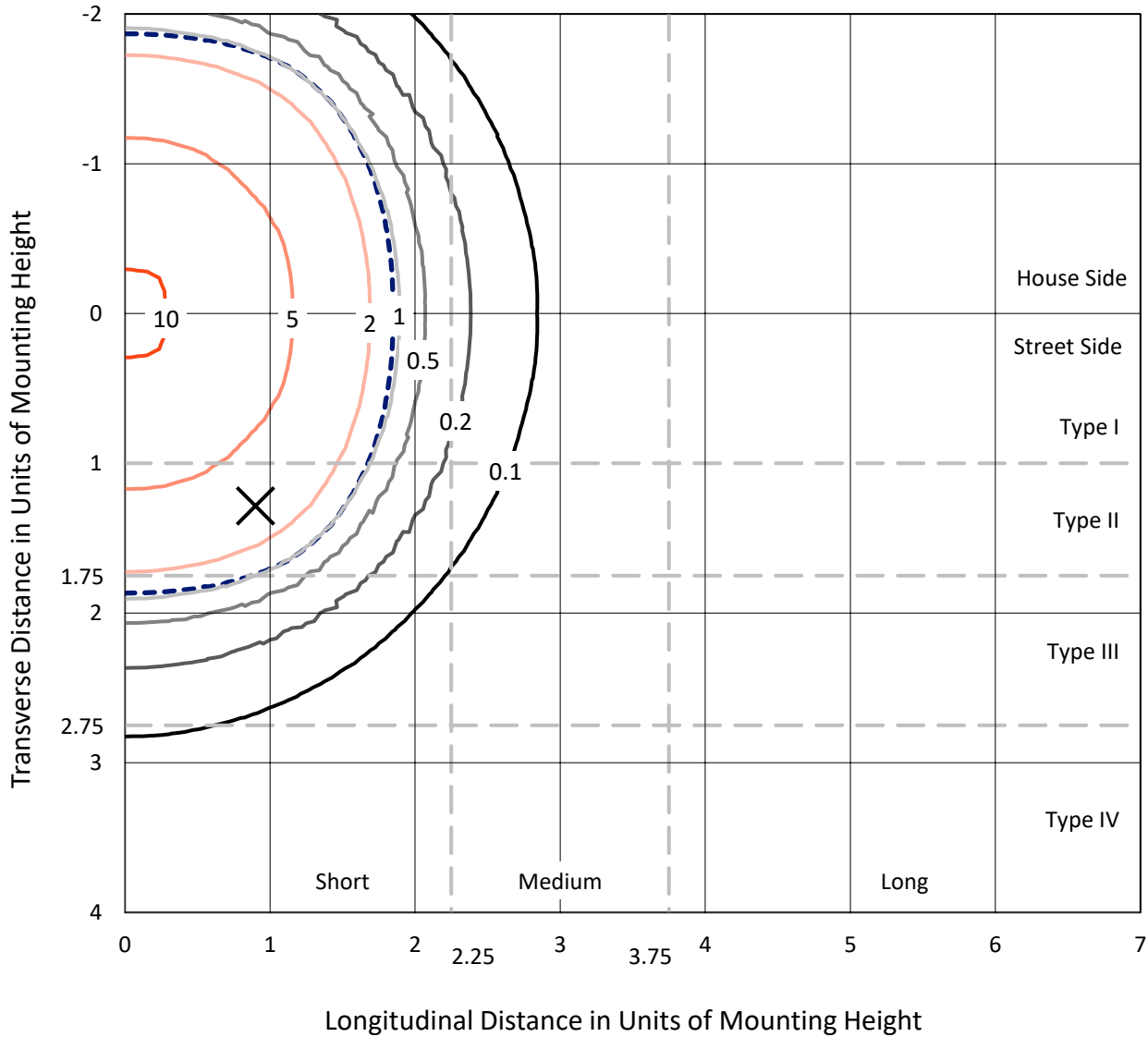
Lumens per Lamp: N/A  
Luminaire Lumens: 5959.8 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

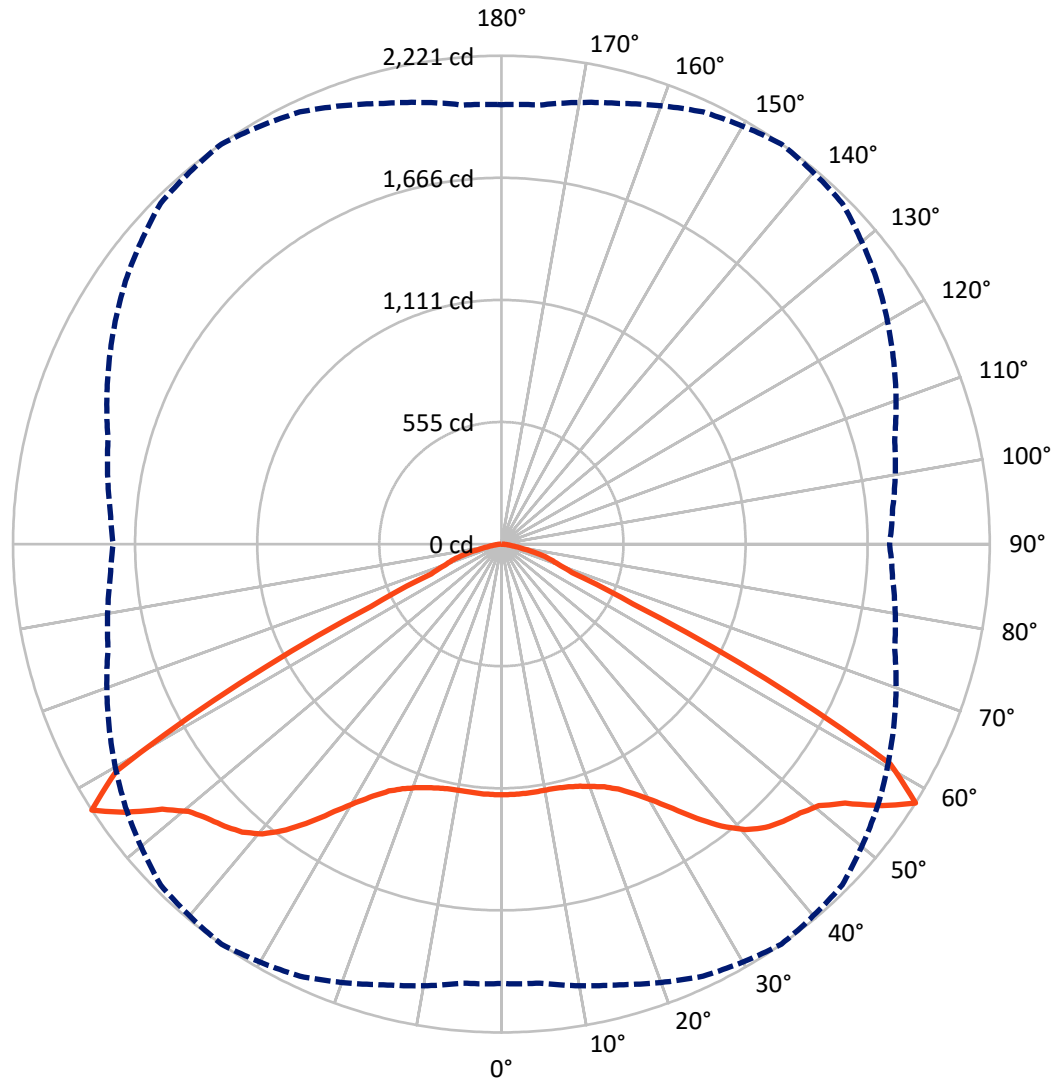
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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	2979.9	0.0	2979.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2979.9	0.0	2979.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5959.8	0.0	5959.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.5	1.8
10°-20°	323.7	5.4
20°-30°	564.7	9.5
30°-40°	926.0	15.5
40°-50°	1363.8	22.9
50°-60°	1740.5	29.2
60°-70°	733.5	12.3
70°-80°	175.2	2.9
80°-90°	23.9	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°	5959.8	100.0
0°-180°	5959.8	100.0

**Coefficient of Utilization**



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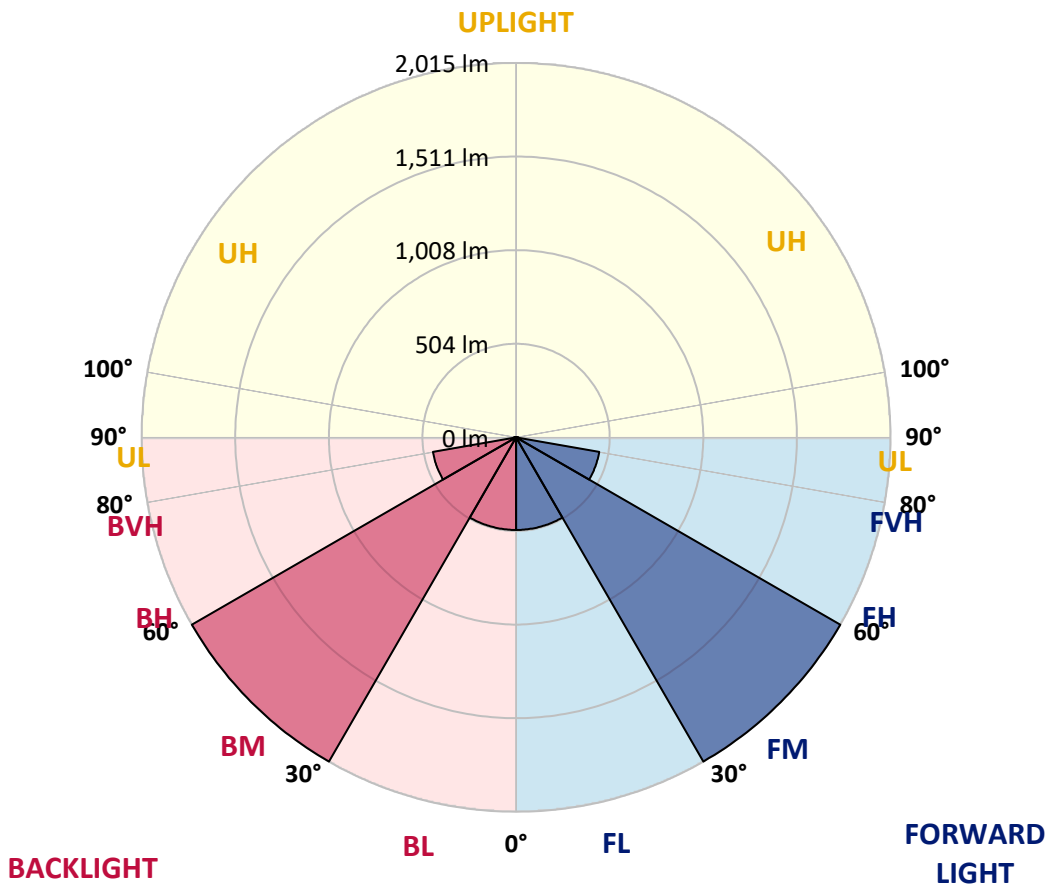
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.4	8.4			
FM (30°-60°)	2015.2	33.8			
FH (60°-80°)	454.4	7.6			G0/660
FVH (80°-90°)	11.9	0.2			G1/100
BL (0°-30°)	498.4	8.4	B1/500		
BM (30°-60°)	2015.2	33.8	B2/2500		
BH (60°-80°)	454.4	7.6	B1/500		G0/660
BVH (80°-90°)	11.9	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°	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3
2.5°	1133.5	1133.5	1135.9	1138.4	1139.4	1143.8	1143.3	1141.8	1140.8	1137.9	1141.8
5°	1135.9	1135.9	1137.9	1139.4	1138.9	1142.3	1140.8	1138.4	1136.9	1134.0	1138.4
7.5°	1135.5	1135.5	1136.9	1138.4	1137.4	1140.3	1137.9	1134.5	1132.0	1129.1	1133.0
10°	1129.1	1130.1	1131.6	1135.0	1136.4	1140.8	1137.4	1132.0	1128.1	1124.7	1128.6
12.5°	1128.1	1129.1	1131.1	1135.5	1137.9	1144.2	1139.9	1131.1	1125.2	1120.8	1124.7
15°	1132.5	1133.5	1136.4	1141.8	1145.7	1152.5	1146.2	1134.0	1125.7	1119.8	1123.3
17.5°	1137.9	1139.4	1143.8	1151.6	1157.9	1165.2	1157.4	1142.8	1131.1	1123.3	1126.2
20°	1143.8	1145.7	1152.5	1164.2	1176.0	1185.2	1175.5	1156.0	1141.8	1131.6	1134.5
22.5°	1154.0	1156.4	1165.2	1181.8	1199.4	1213.0	1200.8	1174.5	1156.0	1142.8	1145.2
25°	1175.0	1177.9	1189.1	1209.1	1234.0	1250.6	1233.5	1203.8	1177.9	1161.8	1164.2
27.5°	1212.1	1213.5	1228.2	1254.5	1285.3	1304.3	1283.8	1248.7	1219.9	1201.3	1203.3
30°	1260.9	1265.3	1279.9	1314.5	1351.1	1376.5	1349.7	1308.2	1275.0	1252.6	1254.5
32.5°	1320.4	1323.3	1345.3	1381.4	1434.1	1463.4	1426.8	1377.5	1337.5	1310.1	1312.1
35°	1398.5	1400.9	1421.9	1467.8	1531.7	1559.0	1517.0	1460.4	1414.1	1388.2	1395.5
37.5°	1491.7	1496.1	1511.2	1556.6	1627.8	1654.6	1606.3	1553.6	1505.3	1481.4	1486.8
40°	1591.7	1591.2	1603.4	1643.4	1708.3	1724.9	1681.5	1639.5	1598.0	1582.4	1591.2
42.5°	1677.6	1675.1	1683.9	1717.1	1762.0	1763.5	1734.7	1711.2	1682.0	1671.2	1679.5
45°	1737.6	1738.6	1751.7	1774.7	1797.6	1785.4	1776.6	1772.7	1749.8	1735.2	1736.6
47.5°	1784.9	1788.8	1809.8	1825.4	1828.3	1807.9	1820.1	1825.9	1806.9	1784.4	1778.1
50°	1826.9	1833.2	1860.6	1877.1	1870.8	1844.9	1868.8	1877.6	1835.7	1792.7	1780.0
52.5°	1903.0	1910.3	1943.5	1965.0	1957.7	1931.8	1954.2	1923.0	1852.3	1799.6	1783.5
55°	2024.5	2027.9	2068.4	2103.6	2100.1	2068.4	2050.4	1981.1	1895.2	1840.5	1825.4
57.5°	1998.6	2004.5	2074.8	2168.5	2221.1	2192.4	2086.5	1968.4	1851.8	1785.9	1765.4
60°	1572.7	1586.8	1674.2	1839.1	2032.3	2031.8	1835.2	1651.7	1511.2	1423.8	1415.1
62.5°	918.3	928.1	1007.6	1174.5	1347.7	1358.5	1220.4	1094.5	971.5	912.5	884.2
65°	434.8	434.3	466.0	541.1	658.2	667.5	626.0	557.2	484.5	464.5	459.2
67.5°	321.1	321.1	318.6	324.0	346.4	351.3	346.4	335.2	328.4	332.8	329.9
70°	278.6	279.1	276.2	274.7	274.7	273.3	275.2	279.6	282.5	288.4	285.5
72.5°	225.9	226.4	226.4	226.9	227.4	225.4	228.4	230.8	231.3	233.2	231.3
75°	160.5	161.5	164.4	166.9	168.8	168.8	169.8	170.3	168.3	170.8	166.9
77.5°	88.3	89.3	94.7	99.1	103.4	103.9	105.4	106.4	105.4	107.3	104.4
80°	48.8	49.8	52.2	54.2	57.6	60.5	62.5	63.4	63.4	64.9	63.4
82.5°	27.8	28.8	30.3	31.2	34.2	36.6	38.5	40.0	40.0	40.5	39.5
85°	13.2	13.2	14.2	15.1	16.6	17.6	20.0	21.5	21.5	22.4	21.5
87.5°	2.0	2.4	2.9	2.9	3.9	4.9	5.9	6.3	7.3	7.8	7.8
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)