

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: P631750

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631750  
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-SA2B-735-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

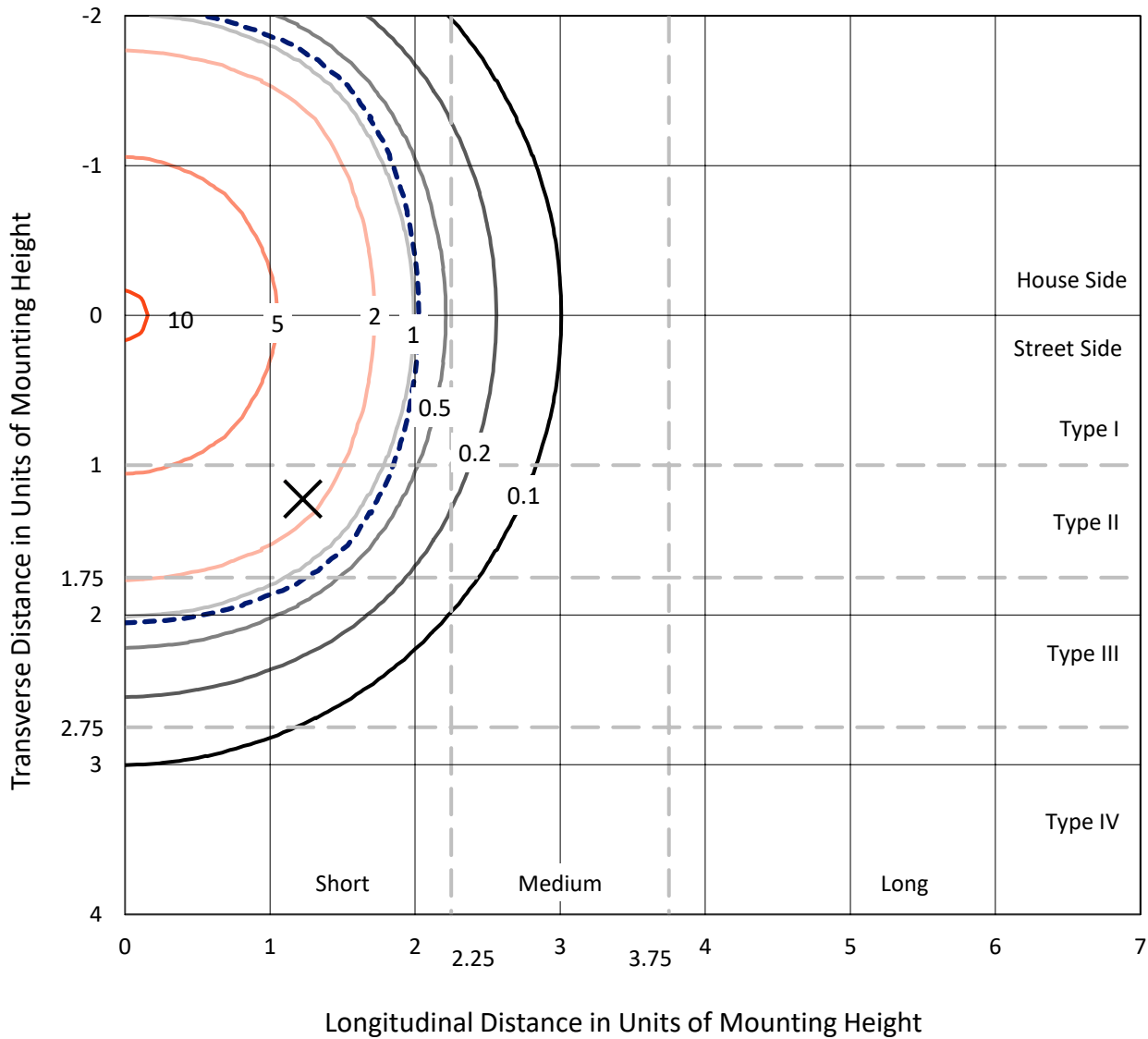
Lumens per Lamp: N/A  
Luminaire Lumens: 5748.5 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P631750  
 CATALOG NUMBER: GWS-SA2B-735-U-5WQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

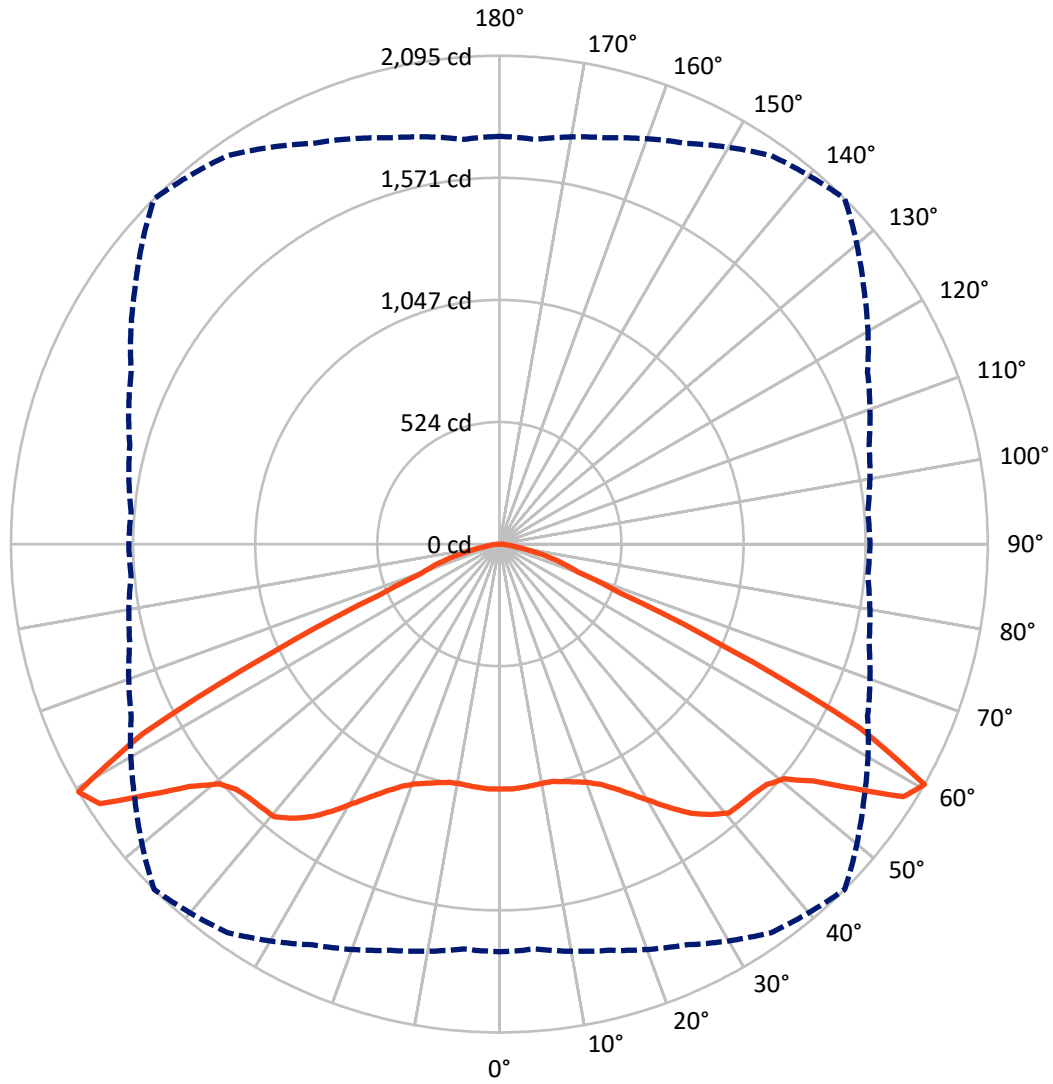
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P631750  
CATALOG NUMBER: GWS-SA2B-735-U-5WQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P631750

CATALOG NUMBER: GWS-SA2B-735-U-5WQ-W-GRSWH

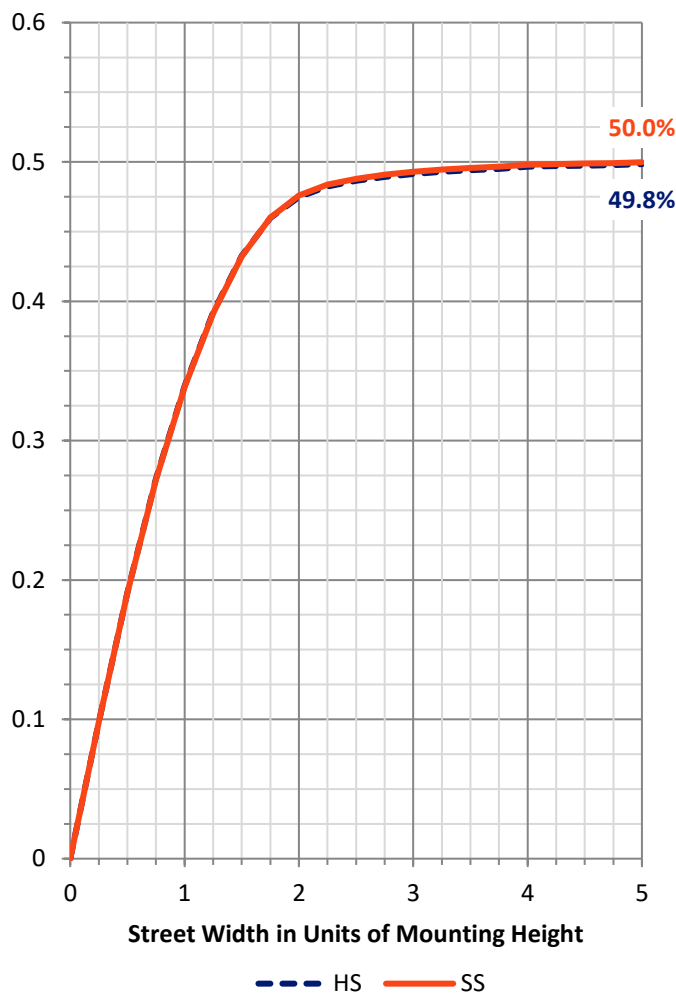
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2874.2	0.0	2874.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2874.2	0.0	2874.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5748.5	0.0	5748.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.6	1.7
10°-20°	299.7	5.2
20°-30°	530.2	9.2
30°-40°	853.6	14.8
40°-50°	1173.2	20.4
50°-60°	1563.4	27.2
60°-70°	974.4	17.0
70°-80°	224.1	3.9
80°-90°	30.4	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°	5748.5	100.0
0°-180°	5748.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P631750

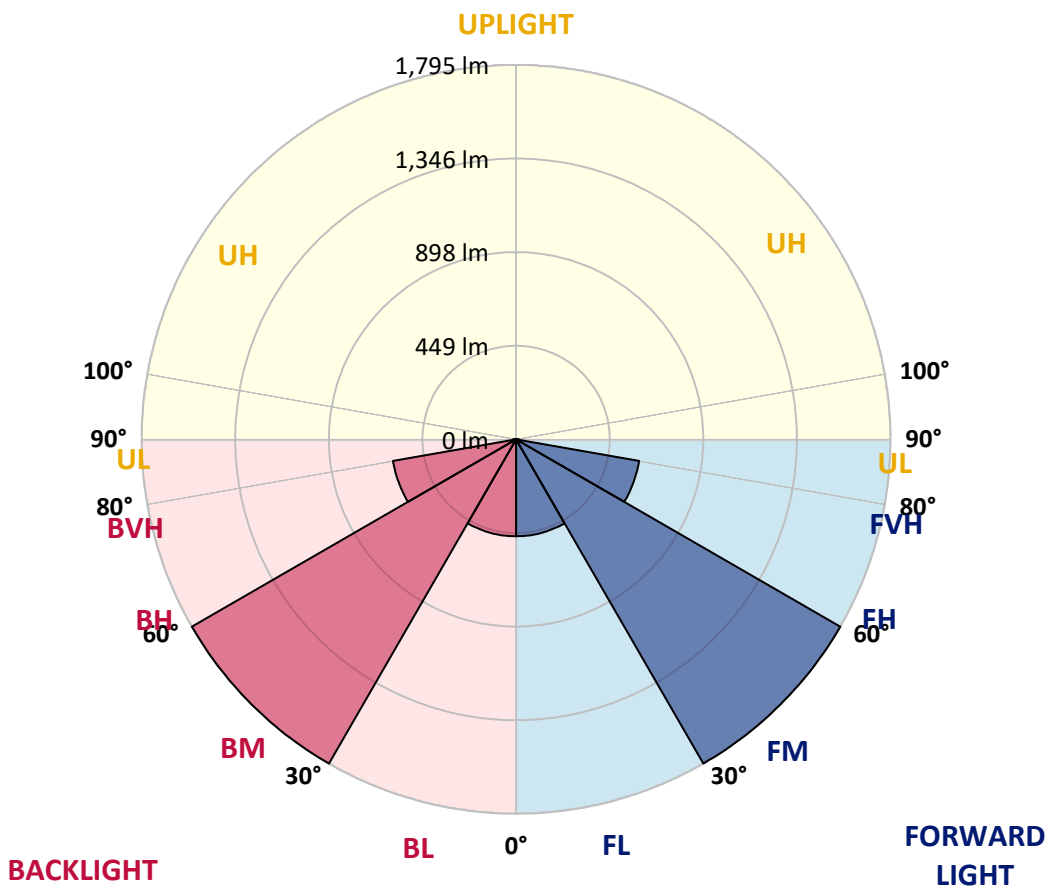
CATALOG NUMBER: GWS-SA2B-735-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.7	8.1			
FM (30°-60°)	1795.1	31.2			
FH (60°-80°)	599.2	10.4			G0/660
FVH (80°-90°)	15.2	0.3			G1/100
BL (0°-30°)	464.7	8.1	B1/500		
BM (30°-60°)	1795.1	31.2	B2/2500		
BH (60°-80°)	599.2	10.4	B2/1000		G0/660
BVH (80°-90°)	15.2	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





REPORT NUMBER: P631750

CATALOG NUMBER: GWS-SA2B-735-U-5WQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5
2.5°	1043.2	1044.2	1046.1	1047.6	1049.6	1051.5	1052.5	1050.5	1049.6	1045.7	1050.0
5°	1044.2	1045.2	1046.6	1046.6	1047.1	1048.6	1048.6	1046.1	1043.7	1039.3	1044.2
7.5°	1042.7	1043.7	1044.2	1043.7	1044.2	1044.7	1043.7	1040.8	1038.3	1034.4	1038.3
10°	1040.3	1041.3	1042.2	1041.3	1040.3	1041.7	1041.7	1039.8	1038.3	1034.4	1038.8
12.5°	1045.7	1047.1	1047.6	1045.2	1044.2	1044.7	1044.7	1042.7	1042.7	1039.3	1044.2
15°	1058.3	1059.3	1057.8	1054.9	1055.4	1056.9	1053.5	1048.6	1047.6	1046.1	1050.0
17.5°	1068.1	1069.1	1067.6	1065.7	1069.1	1072.5	1066.1	1056.9	1053.9	1053.0	1057.4
20°	1078.8	1080.3	1078.3	1080.8	1087.6	1091.5	1083.7	1071.0	1065.2	1063.7	1069.1
22.5°	1096.4	1098.3	1098.3	1103.7	1114.0	1120.3	1110.5	1093.5	1084.7	1082.2	1087.6
25°	1124.2	1125.7	1127.1	1137.9	1154.5	1163.2	1147.6	1124.2	1112.0	1108.1	1111.0
27.5°	1162.8	1165.2	1167.6	1183.2	1203.7	1216.4	1194.0	1164.7	1149.6	1141.8	1147.6
30°	1208.6	1212.0	1217.9	1235.5	1264.2	1278.4	1249.6	1214.0	1196.9	1188.6	1196.4
32.5°	1271.1	1271.6	1276.0	1295.5	1333.5	1349.6	1313.5	1274.0	1256.4	1246.7	1251.1
35°	1345.2	1345.7	1338.9	1358.9	1399.9	1417.9	1375.5	1335.5	1320.8	1317.9	1329.1
37.5°	1421.4	1417.0	1410.1	1418.9	1460.4	1472.1	1427.2	1393.1	1386.7	1392.1	1408.7
40°	1475.5	1468.2	1454.5	1460.9	1502.8	1516.5	1468.7	1436.5	1434.5	1447.7	1467.7
42.5°	1510.7	1502.8	1486.7	1486.7	1515.5	1521.4	1484.3	1467.2	1471.6	1486.7	1505.8
45°	1527.7	1523.3	1514.1	1509.2	1525.3	1527.7	1499.4	1492.6	1500.9	1508.2	1522.9
47.5°	1540.9	1540.9	1538.0	1533.1	1540.4	1541.9	1520.9	1519.0	1529.7	1529.7	1539.4
50°	1564.3	1566.8	1570.7	1569.7	1577.5	1582.4	1566.8	1563.8	1568.2	1554.1	1559.0
52.5°	1625.8	1632.2	1643.4	1652.2	1672.2	1687.3	1659.5	1636.1	1613.1	1581.9	1582.9
55°	1736.1	1739.0	1761.0	1786.8	1820.5	1851.2	1794.1	1721.4	1671.7	1635.1	1635.6
57.5°	1829.3	1833.7	1865.9	1920.0	1995.7	2043.5	1917.1	1795.6	1725.3	1680.5	1681.9
60°	1748.8	1742.9	1803.9	1896.6	2033.7	2094.7	1908.3	1742.4	1641.4	1585.8	1589.7
62.5°	1353.1	1341.8	1409.7	1506.8	1671.2	1732.2	1560.4	1401.4	1305.7	1262.3	1256.0
65°	823.6	813.4	862.2	921.7	1033.0	1071.5	993.0	908.5	825.1	798.8	791.4
67.5°	448.4	447.0	460.1	489.4	538.2	556.2	541.1	501.1	479.6	461.1	461.1
70°	355.7	352.8	350.3	350.8	355.2	357.7	358.1	356.2	358.6	359.1	357.2
72.5°	294.7	293.7	288.9	289.3	287.4	286.4	289.8	291.8	295.7	296.2	296.2
75°	213.7	211.3	213.7	214.2	212.3	212.3	214.7	214.2	216.2	217.1	211.8
77.5°	121.5	121.5	124.9	128.8	131.7	131.7	134.2	134.2	136.6	136.1	135.2
80°	66.8	66.8	68.8	71.2	74.2	77.1	79.5	80.0	81.5	81.0	79.5
82.5°	38.1	38.5	39.5	41.0	43.9	46.4	48.8	49.3	50.7	50.7	49.3
85°	18.1	17.6	18.1	19.0	20.5	22.4	24.9	26.3	27.3	27.3	26.3
87.5°	3.4	3.9	3.4	3.9	4.4	5.9	6.8	7.8	9.3	9.8	8.8
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)