

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: P630259

Luminaire Tested: GWS-SA1D-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630259  
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-SA1D-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**

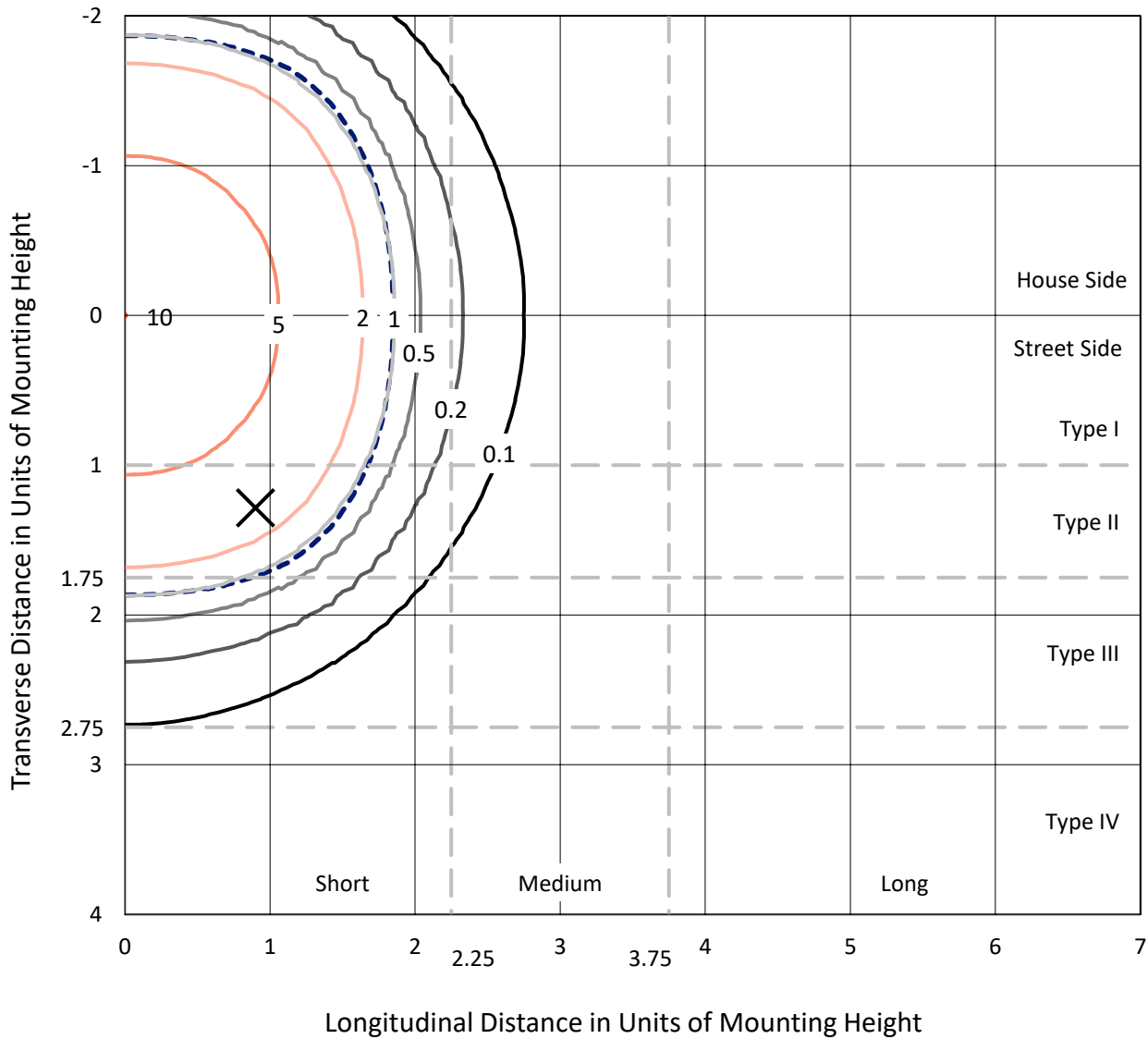
Lumens per Lamp: N/A  
Luminaire Lumens: 5236.6 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P630259  
 CATALOG NUMBER: GWS-SA1D-735-U-5MQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

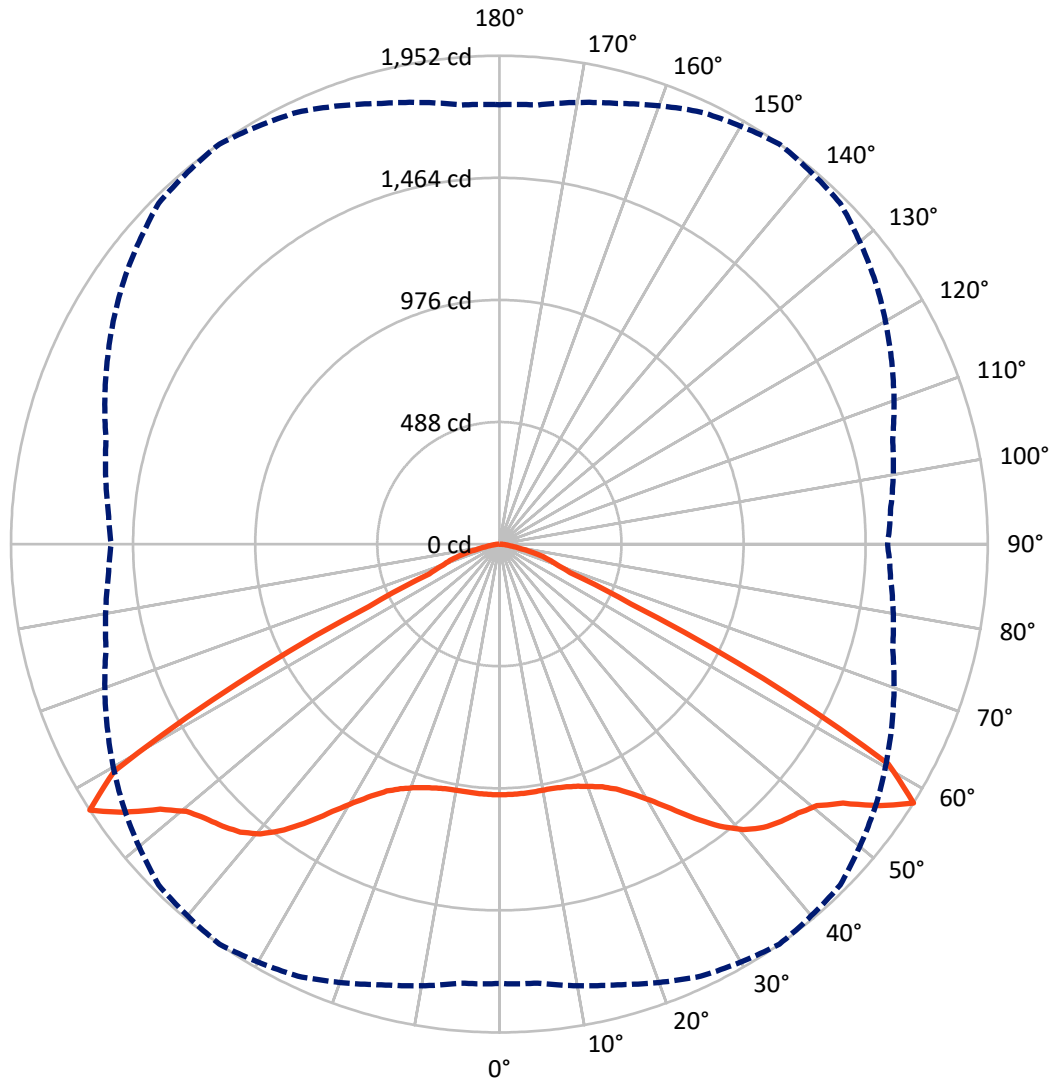
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P630259  
CATALOG NUMBER: GWS-SA1D-735-U-5MQ-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630259

CATALOG NUMBER: GWS-SA1D-735-U-5MQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2618.3	0.0	2618.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2618.3	0.0	2618.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5236.6	0.0	5236.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	1.8
10°-20°	284.4	5.4
20°-30°	496.2	9.5
30°-40°	813.7	15.5
40°-50°	1198.3	22.9
50°-60°	1529.3	29.2
60°-70°	644.5	12.3
70°-80°	154.0	2.9
80°-90°	21.0	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°	5236.6	100.0
0°-180°	5236.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630259

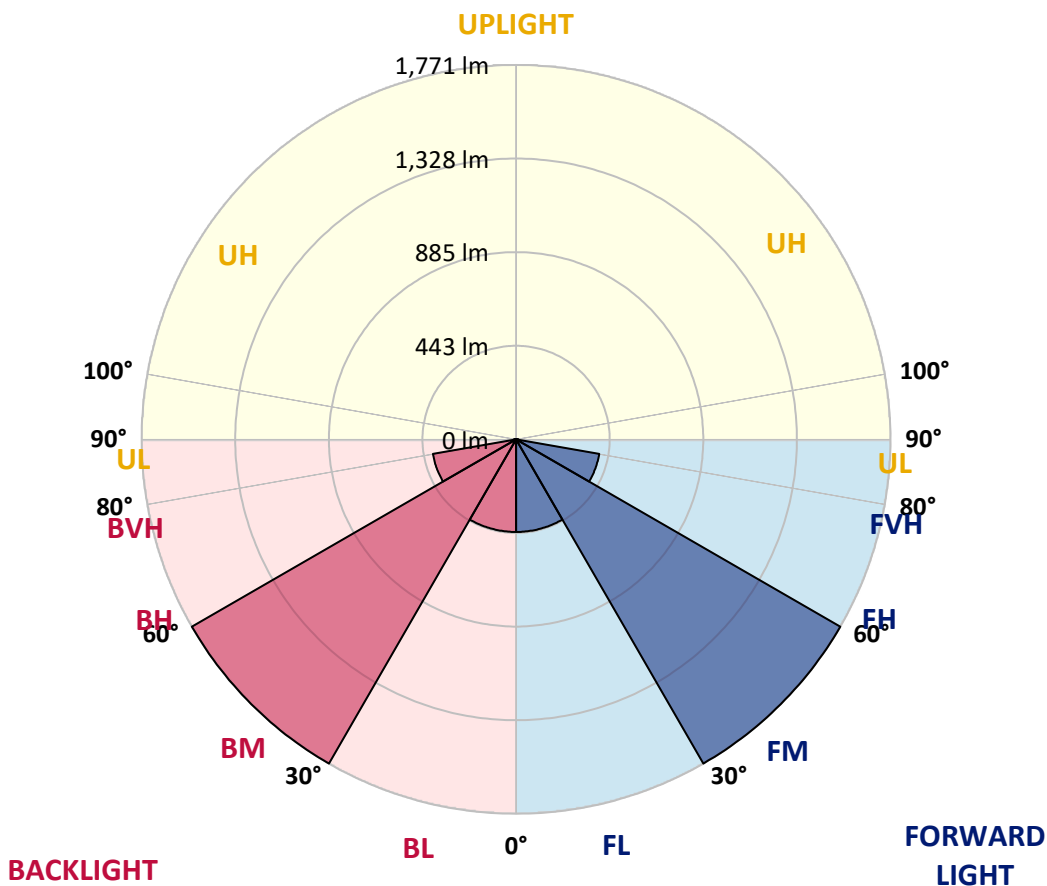
CATALOG NUMBER: GWS-SA1D-735-U-5MQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.0	8.4			
FM (30°-60°)	1770.6	33.8			
FH (60°-80°)	399.2	7.6			G0/660
FVH (80°-90°)	10.5	0.2			G1/100
BL (0°-30°)	438.0	8.4	B1/500		
BM (30°-60°)	1770.6	33.8	B2/2500		
BH (60°-80°)	399.2	7.6	B1/500		G0/660
BVH (80°-90°)	10.5	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: P630259

CATALOG NUMBER: GWS-SA1D-735-U-5MQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	996.0	996.0	998.1	1000.2	1001.1	1005.0	1004.5	1003.2	1002.4	999.8	1003.2
5°	998.1	998.1	999.8	1001.1	1000.7	1003.7	1002.4	1000.2	999.0	996.4	1000.2
7.5°	997.7	997.7	999.0	1000.2	999.4	1002.0	999.8	996.8	994.7	992.1	995.5
10°	992.1	993.0	994.2	997.2	998.5	1002.4	999.4	994.7	991.2	988.2	991.7
12.5°	991.2	992.1	993.8	997.7	999.8	1005.4	1001.5	993.8	988.7	984.8	988.2
15°	995.1	996.0	998.5	1003.2	1006.7	1012.7	1007.1	996.4	989.1	984.0	987.0
17.5°	999.8	1001.1	1005.0	1011.8	1017.4	1023.8	1017.0	1004.1	993.8	987.0	989.5
20°	1005.0	1006.7	1012.7	1023.0	1033.3	1041.4	1032.8	1015.7	1003.2	994.2	996.8
22.5°	1014.0	1016.1	1023.8	1038.4	1053.8	1065.8	1055.1	1032.0	1015.7	1004.1	1006.3
25°	1032.4	1035.0	1044.8	1062.4	1084.3	1098.9	1083.9	1057.7	1035.0	1020.8	1023.0
27.5°	1065.0	1066.3	1079.1	1102.3	1129.3	1146.0	1128.0	1097.1	1071.8	1055.6	1057.3
30°	1107.9	1111.7	1124.6	1155.0	1187.2	1209.5	1185.9	1149.4	1120.3	1100.6	1102.3
32.5°	1160.2	1162.7	1182.0	1213.8	1260.1	1285.8	1253.6	1210.3	1175.2	1151.2	1152.9
35°	1228.8	1230.9	1249.3	1289.6	1345.8	1369.8	1333.0	1283.2	1242.5	1219.8	1226.2
37.5°	1310.7	1314.5	1327.8	1367.7	1430.3	1453.9	1411.4	1365.1	1322.7	1301.7	1306.4
40°	1398.5	1398.1	1408.8	1444.0	1501.0	1515.6	1477.4	1440.6	1404.1	1390.4	1398.1
42.5°	1474.0	1471.9	1479.6	1508.7	1548.2	1549.5	1524.2	1503.6	1477.9	1468.4	1475.7
45°	1526.7	1527.6	1539.2	1559.3	1579.5	1568.8	1561.0	1557.6	1537.5	1524.6	1525.9
47.5°	1568.3	1571.8	1590.2	1603.9	1606.5	1588.5	1599.2	1604.3	1587.6	1567.9	1562.3
50°	1605.2	1610.8	1634.8	1649.4	1643.8	1621.1	1642.1	1649.8	1612.9	1575.2	1564.0
52.5°	1672.1	1678.5	1707.7	1726.5	1720.1	1697.4	1717.1	1689.7	1627.5	1581.2	1567.0
55°	1778.8	1781.8	1817.4	1848.3	1845.3	1817.4	1801.6	1740.7	1665.2	1617.2	1603.9
57.5°	1756.1	1761.3	1823.0	1905.3	1951.6	1926.3	1833.3	1729.5	1627.1	1569.2	1551.2
60°	1381.8	1394.3	1471.0	1615.9	1785.7	1785.3	1612.5	1451.3	1327.8	1251.1	1243.3
62.5°	806.9	815.5	885.3	1032.0	1184.2	1193.6	1072.3	961.7	853.6	801.7	776.9
65°	382.0	381.6	409.4	475.5	578.4	586.5	550.1	489.6	425.7	408.2	403.4
67.5°	282.1	282.1	280.0	284.7	304.4	308.7	304.4	294.5	288.5	292.4	289.8
70°	244.8	245.2	242.7	241.4	241.4	240.1	241.8	245.7	248.2	253.4	250.8
72.5°	198.5	198.9	198.9	199.4	199.8	198.1	200.6	202.8	203.2	204.9	203.2
75°	141.1	141.9	144.5	146.6	148.3	148.3	149.2	149.6	147.9	150.1	146.6
77.5°	77.6	78.5	83.2	87.0	90.9	91.3	92.6	93.5	92.6	94.3	91.8
80°	42.9	43.7	45.9	47.6	50.6	53.2	54.9	55.7	55.7	57.0	55.7
82.5°	24.4	25.3	26.6	27.4	30.0	32.2	33.9	35.2	35.2	35.6	34.7
85°	11.6	11.6	12.4	13.3	14.6	15.4	17.6	18.9	18.9	19.7	18.9
87.5°	1.7	2.1	2.6	2.6	3.4	4.3	5.1	5.6	6.4	6.9	6.9
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)