

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: P630265

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630265  
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-SA1D-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**

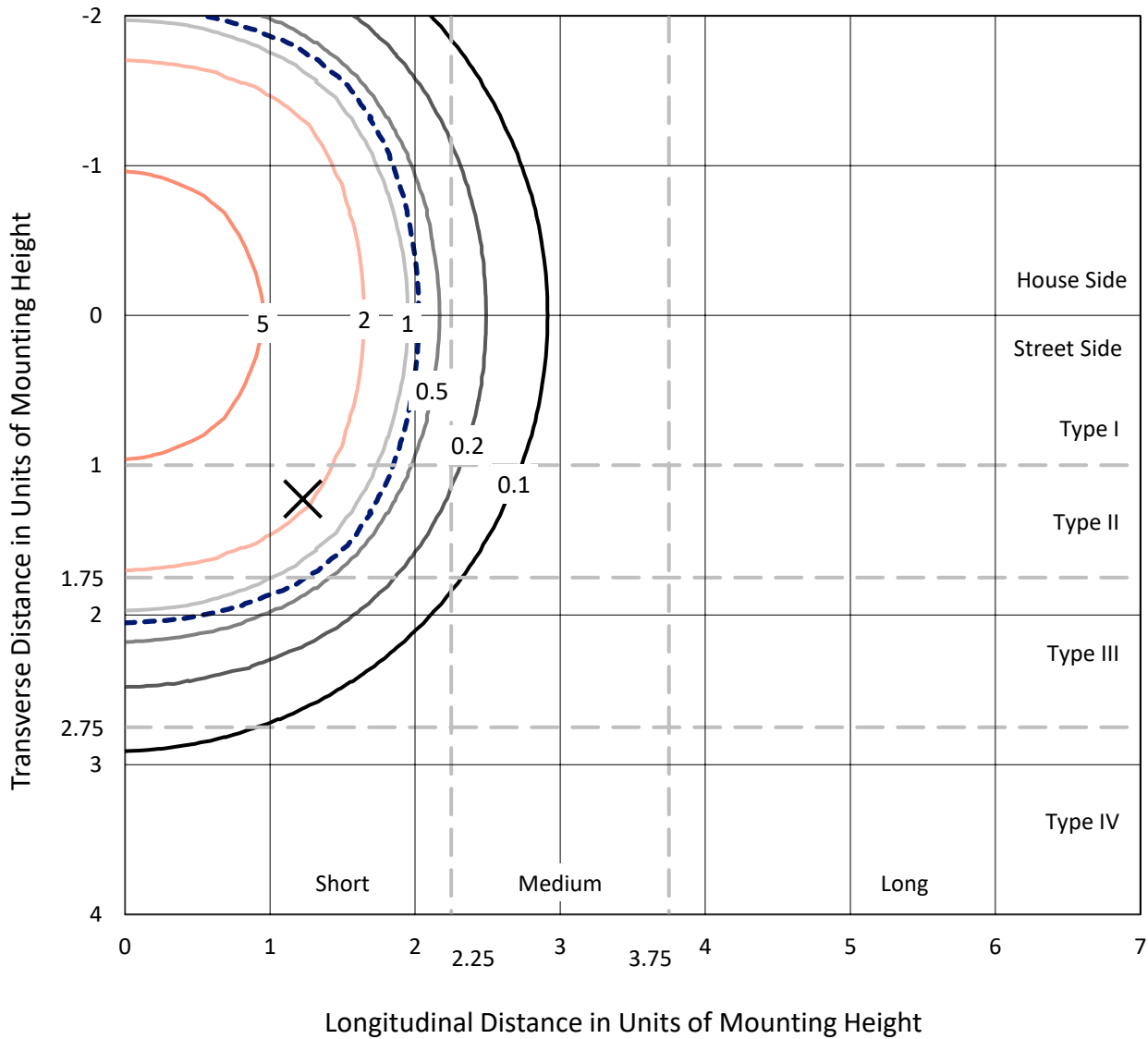
Lumens per Lamp: N/A  
Luminaire Lumens: 5050.9 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

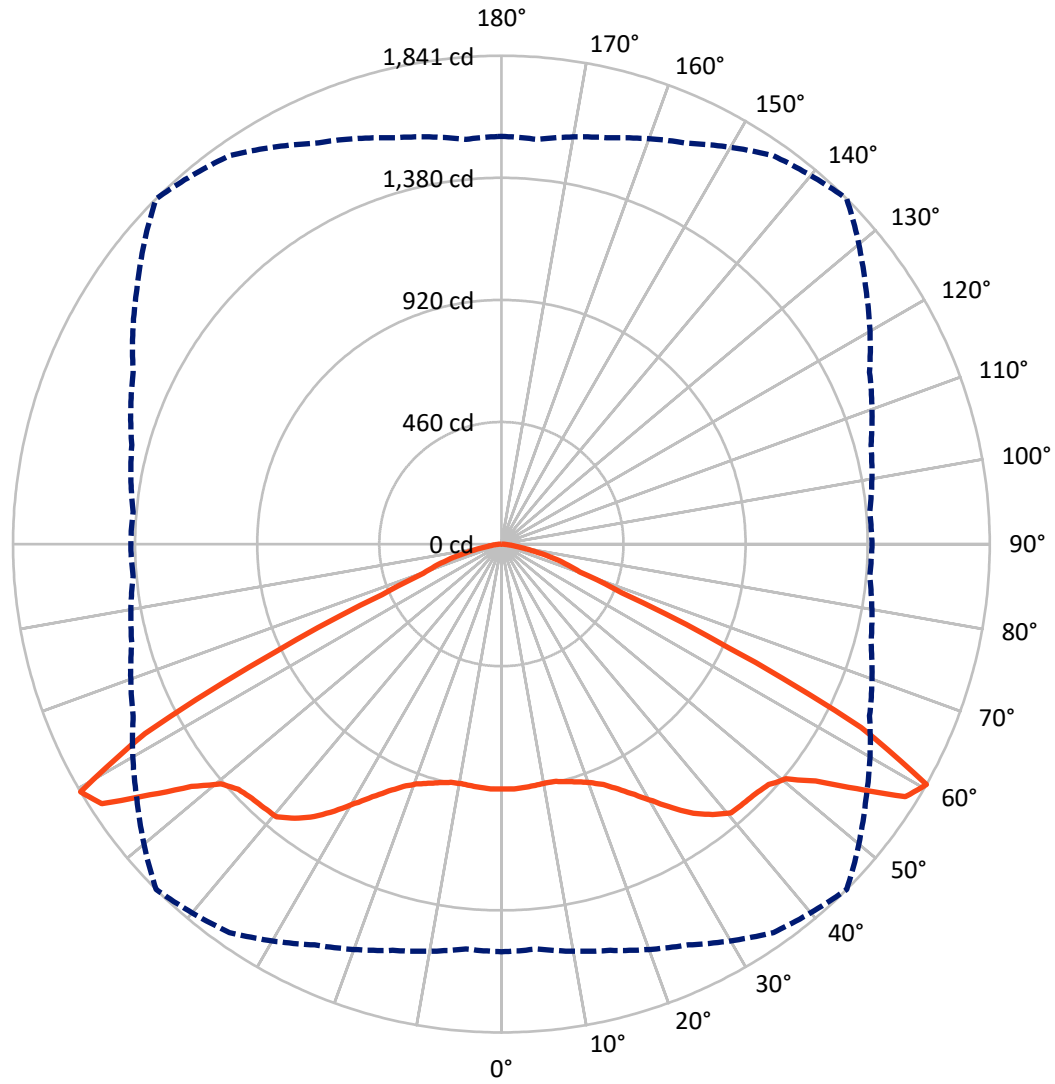
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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	2525.5	0.0	2525.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2525.5	0.0	2525.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5050.9	0.0	5050.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.5	1.7
10°-20°	263.3	5.2
20°-30°	465.8	9.2
30°-40°	750.0	14.8
40°-50°	1030.8	20.4
50°-60°	1373.7	27.2
60°-70°	856.2	17.0
70°-80°	196.9	3.9
80°-90°	26.7	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°	5050.9	100.0
0°-180°	5050.9	100.0

**Coefficient of Utilization**



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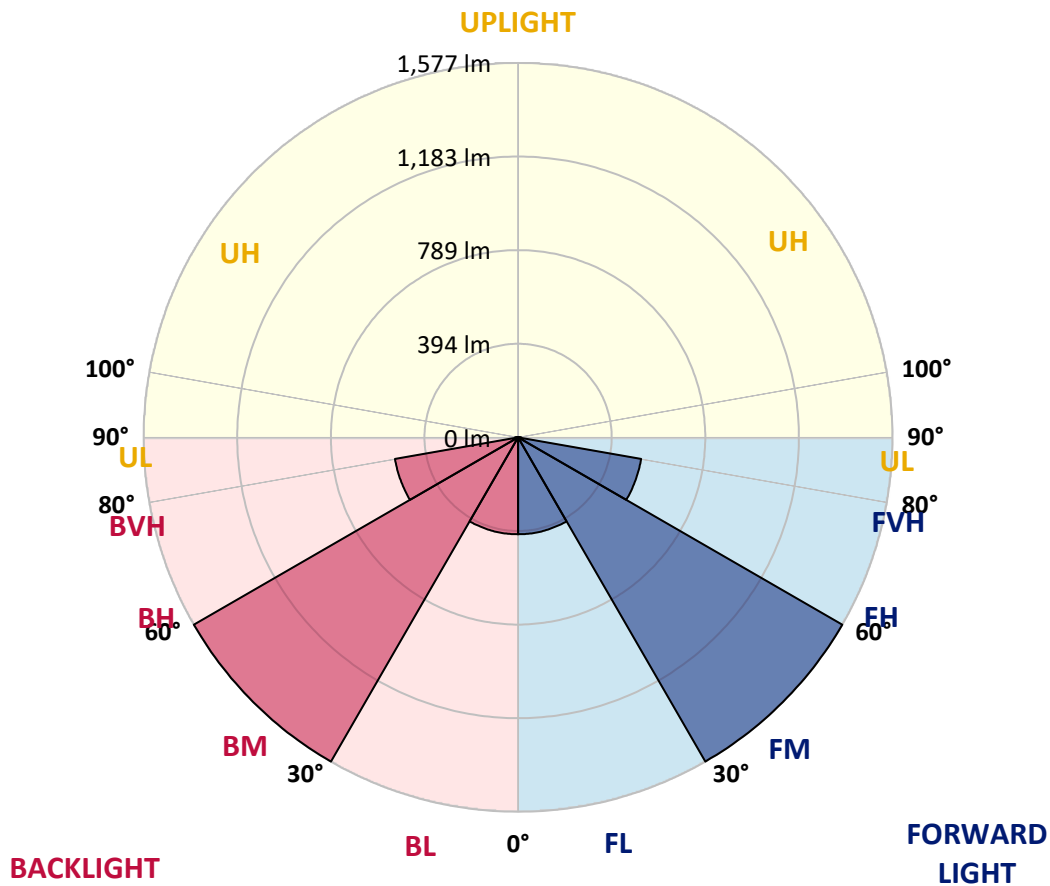
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.3	8.1			
FM (30°-60°)	1577.3	31.2			
FH (60°-80°)	526.5	10.4			G0/660
FVH (80°-90°)	13.4	0.3			G1/100
BL (0°-30°)	408.3	8.1	B1/500		
BM (30°-60°)	1577.3	31.2	B2/2500		
BH (60°-80°)	526.5	10.4	B2/1000		G0/660
BVH (80°-90°)	13.4	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°	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0
2.5°	916.6	917.5	919.2	920.5	922.2	923.9	924.8	923.0	922.2	918.8	922.6
5°	917.5	918.3	919.6	919.6	920.0	921.3	921.3	919.2	917.0	913.2	917.5
7.5°	916.2	917.0	917.5	917.0	917.5	917.9	917.0	914.5	912.3	908.9	912.3
10°	914.0	914.9	915.8	914.9	914.0	915.3	915.3	913.6	912.3	908.9	912.8
12.5°	918.8	920.0	920.5	918.3	917.5	917.9	917.9	916.2	916.2	913.2	917.5
15°	929.9	930.8	929.5	926.9	927.3	928.6	925.6	921.3	920.5	919.2	922.6
17.5°	938.5	939.3	938.1	936.3	939.3	942.3	936.8	928.6	926.0	925.2	929.0
20°	947.9	949.2	947.5	949.6	955.6	959.1	952.2	941.1	935.9	934.6	939.3
22.5°	963.3	965.1	965.1	969.8	978.8	984.4	975.8	960.8	953.1	950.9	955.6
25°	987.8	989.1	990.4	999.8	1014.4	1022.1	1008.4	987.8	977.1	973.6	976.2
27.5°	1021.7	1023.8	1025.9	1039.7	1057.7	1068.8	1049.1	1023.4	1010.1	1003.2	1008.4
30°	1062.0	1065.0	1070.1	1085.5	1110.8	1123.3	1098.0	1066.7	1051.7	1044.4	1051.2
32.5°	1116.8	1117.3	1121.1	1138.3	1171.7	1185.9	1154.1	1119.4	1104.0	1095.4	1099.3
35°	1182.0	1182.4	1176.4	1194.0	1230.0	1245.9	1208.6	1173.4	1160.6	1158.0	1167.8
37.5°	1248.9	1245.0	1239.0	1246.7	1283.2	1293.5	1254.0	1224.0	1218.4	1223.2	1237.7
40°	1296.5	1290.0	1278.0	1283.6	1320.5	1332.5	1290.5	1262.2	1260.5	1272.0	1289.6
42.5°	1327.3	1320.5	1306.3	1306.3	1331.6	1336.8	1304.2	1289.2	1293.0	1306.3	1323.0
45°	1342.3	1338.5	1330.3	1326.0	1340.2	1342.3	1317.5	1311.5	1318.8	1325.2	1338.1
47.5°	1353.9	1353.9	1351.3	1347.1	1353.5	1354.8	1336.3	1334.6	1344.1	1344.1	1352.6
50°	1374.5	1376.6	1380.1	1379.2	1386.1	1390.4	1376.6	1374.1	1377.9	1365.5	1369.8
52.5°	1428.5	1434.1	1443.9	1451.7	1469.2	1482.5	1458.1	1437.5	1417.4	1389.9	1390.8
55°	1525.4	1528.0	1547.3	1570.0	1599.6	1626.6	1576.4	1512.5	1468.8	1436.7	1437.1
57.5°	1607.3	1611.1	1639.4	1687.0	1753.5	1795.5	1684.5	1577.7	1516.0	1476.5	1477.8
60°	1536.6	1531.4	1585.0	1666.5	1786.9	1840.5	1676.7	1531.0	1442.2	1393.4	1396.8
62.5°	1188.9	1179.0	1238.6	1323.9	1468.4	1522.0	1371.1	1231.3	1147.3	1109.1	1103.5
65°	723.7	714.7	757.6	809.9	907.6	941.5	872.5	798.3	725.0	701.8	695.4
67.5°	394.0	392.7	404.3	430.0	472.9	488.7	475.5	440.3	421.4	405.1	405.1
70°	312.5	310.0	307.8	308.3	312.1	314.3	314.7	313.0	315.1	315.5	313.8
72.5°	258.9	258.1	253.8	254.2	252.5	251.7	254.7	256.4	259.8	260.2	260.2
75°	187.8	185.6	187.8	188.2	186.5	186.5	188.6	188.2	189.9	190.8	186.1
77.5°	106.8	106.8	109.8	113.2	115.8	115.8	117.9	117.9	120.0	119.6	118.8
80°	58.7	58.7	60.5	62.6	65.2	67.7	69.9	70.3	71.6	71.2	69.9
82.5°	33.4	33.9	34.7	36.0	38.6	40.7	42.9	43.3	44.6	44.6	43.3
85°	15.9	15.4	15.9	16.7	18.0	19.7	21.9	23.2	24.0	24.0	23.2
87.5°	3.0	3.4	3.0	3.4	3.9	5.1	6.0	6.9	8.1	8.6	7.7
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)