

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: P630204

Luminaire Tested: GWS-SA1D-730-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630204  
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-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

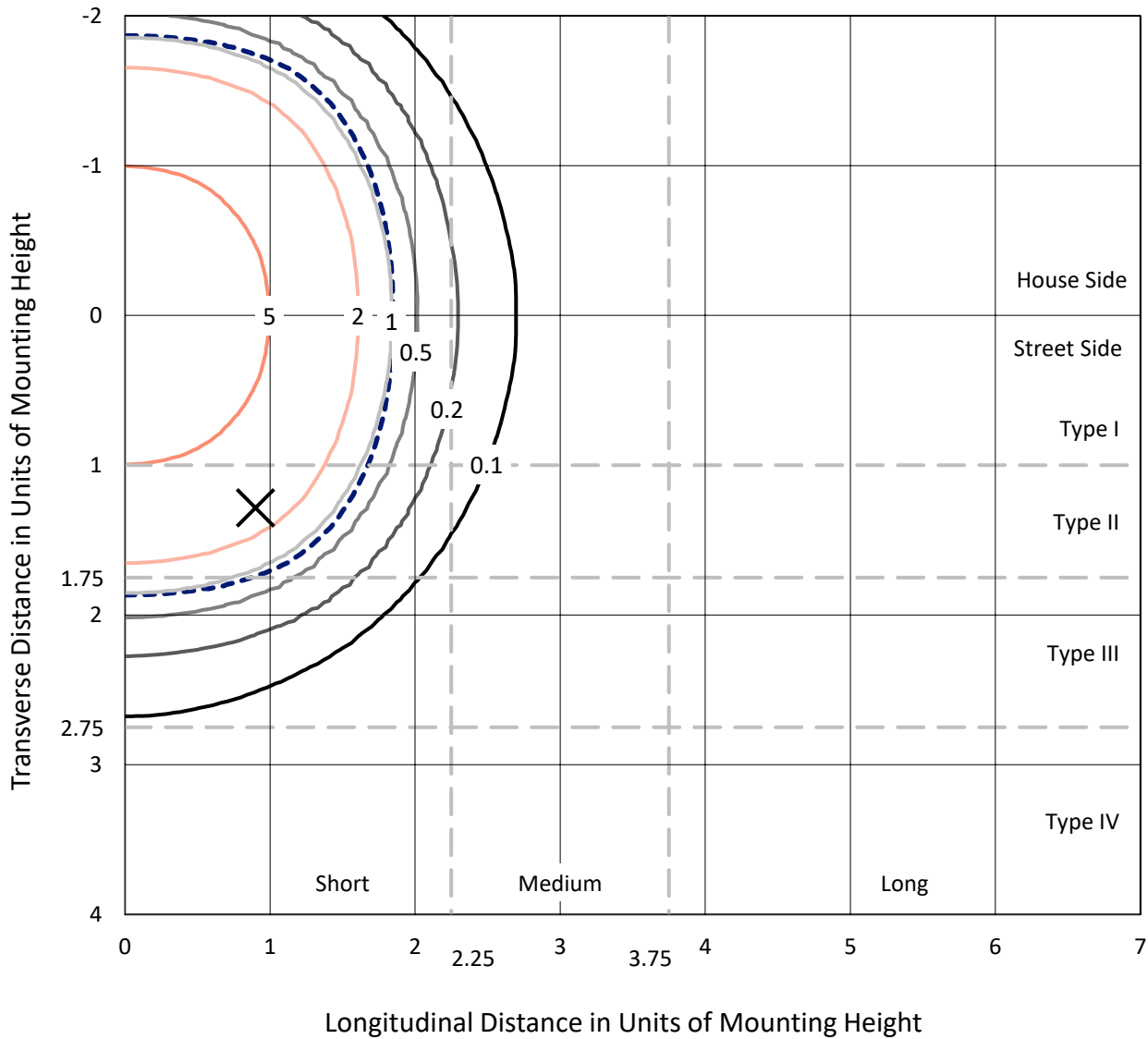
Lumens per Lamp: N/A  
Luminaire Lumens: 4834.8 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

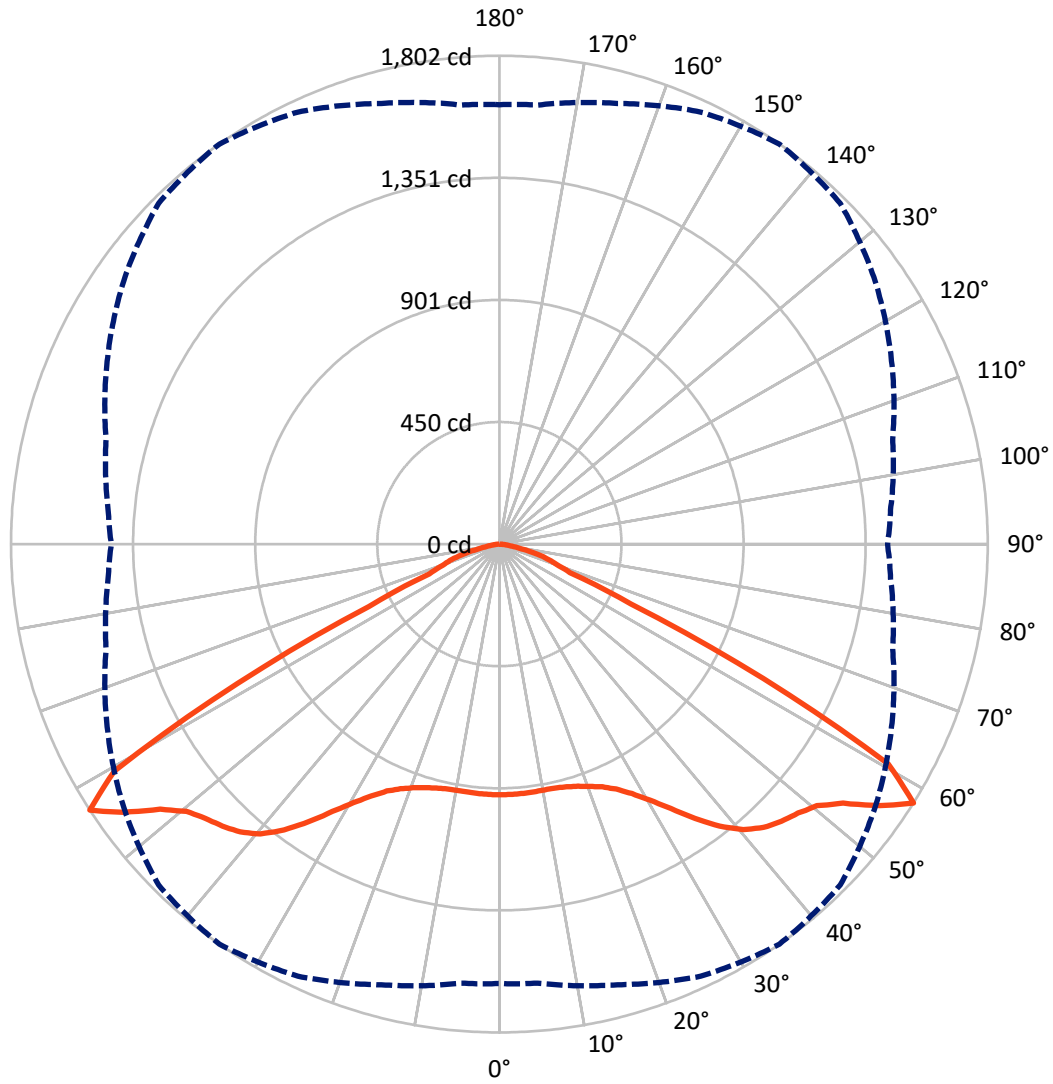
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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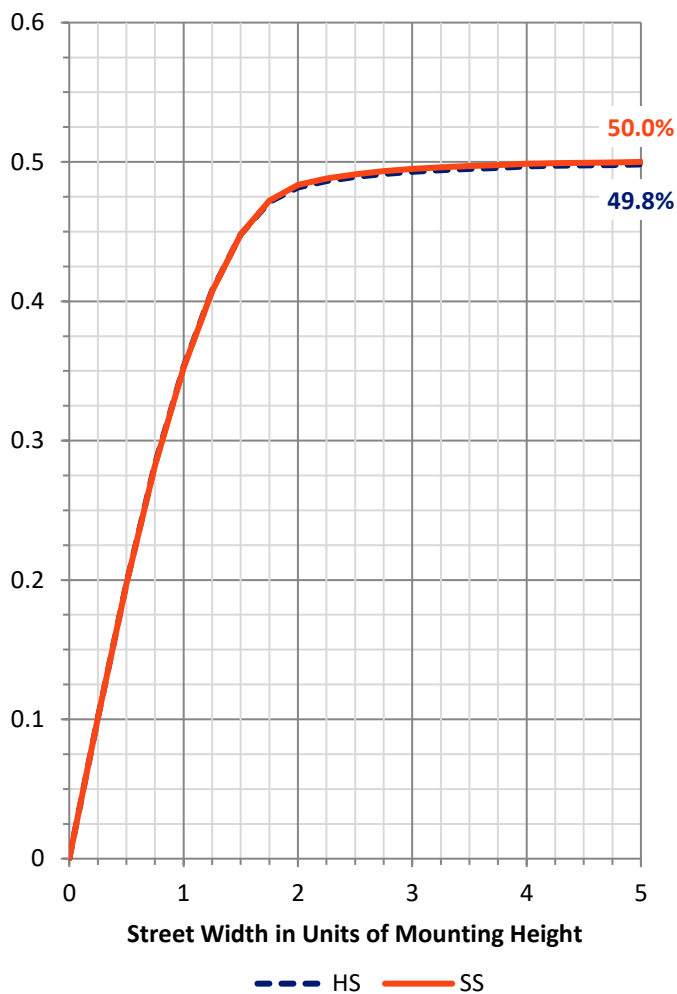
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2417.4	0.0	2417.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2417.4	0.0	2417.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4834.8	0.0	4834.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	1.8
10°-20°	262.6	5.4
20°-30°	458.1	9.5
30°-40°	751.2	15.5
40°-50°	1106.4	22.9
50°-60°	1411.9	29.2
60°-70°	595.1	12.3
70°-80°	142.2	2.9
80°-90°	19.4	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°	4834.8	100.0
0°-180°	4834.8	100.0

**Coefficient of Utilization**



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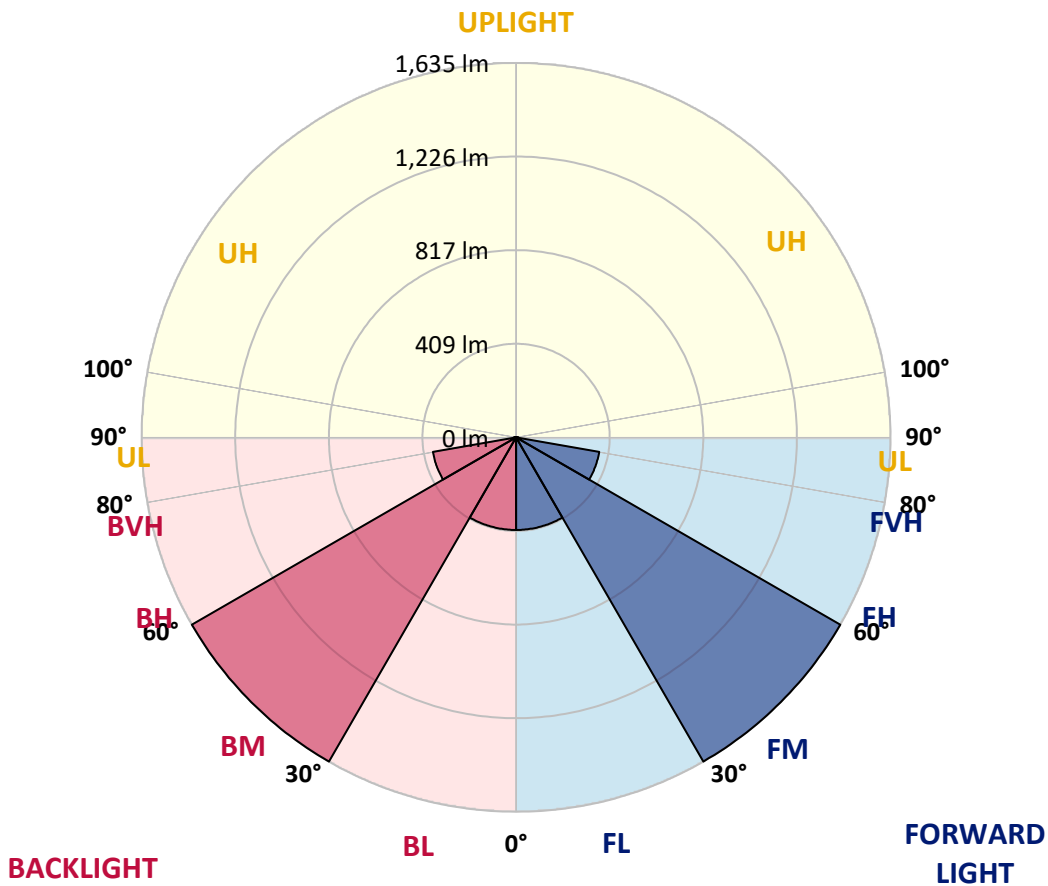
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.4	8.4			
FM (30°-60°)	1634.8	33.8			
FH (60°-80°)	368.6	7.6			G0/660
FVH (80°-90°)	9.7	0.2			G0/10
BL (0°-30°)	404.4	8.4	B1/500		
BM (30°-60°)	1634.8	33.8	B2/2500		
BH (60°-80°)	368.6	7.6	B1/500		G0/660
BVH (80°-90°)	9.7	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1
2.5°	919.5	919.5	921.5	923.5	924.3	927.9	927.5	926.3	925.5	923.1	926.3
5°	921.5	921.5	923.1	924.3	923.9	926.7	925.5	923.5	922.3	919.9	923.5
7.5°	921.1	921.1	922.3	923.5	922.7	925.1	923.1	920.3	918.4	916.0	919.1
10°	916.0	916.8	918.0	920.7	921.9	925.5	922.7	918.4	915.2	912.4	915.6
12.5°	915.2	916.0	917.6	921.1	923.1	928.3	924.7	917.6	912.8	909.2	912.4
15°	918.8	919.5	921.9	926.3	929.4	935.0	929.8	919.9	913.2	908.5	911.2
17.5°	923.1	924.3	927.9	934.2	939.3	945.3	938.9	927.1	917.6	911.2	913.6
20°	927.9	929.4	935.0	944.5	954.0	961.5	953.6	937.8	926.3	918.0	920.3
22.5°	936.2	938.1	945.3	958.7	973.0	984.1	974.2	952.8	937.8	927.1	929.0
25°	953.2	955.6	964.7	980.9	1001.1	1014.5	1000.7	976.5	955.6	942.5	944.5
27.5°	983.3	984.5	996.3	1017.7	1042.6	1058.1	1041.5	1013.0	989.6	974.6	976.1
30°	1022.9	1026.4	1038.3	1066.4	1096.1	1116.7	1094.9	1061.3	1034.3	1016.1	1017.7
32.5°	1071.1	1073.5	1091.3	1120.6	1163.4	1187.1	1157.4	1117.5	1085.0	1062.8	1064.4
35°	1134.5	1136.5	1153.5	1190.7	1242.5	1264.7	1230.7	1184.8	1147.2	1126.2	1132.1
37.5°	1210.1	1213.7	1225.9	1262.7	1320.5	1342.3	1303.1	1260.4	1221.2	1201.8	1206.1
40°	1291.2	1290.8	1300.7	1333.2	1385.8	1399.3	1364.1	1330.0	1296.4	1283.7	1290.8
42.5°	1360.9	1358.9	1366.1	1393.0	1429.4	1430.6	1407.2	1388.2	1364.5	1355.8	1362.5
45°	1409.6	1410.4	1421.1	1439.7	1458.3	1448.4	1441.3	1438.1	1419.5	1407.6	1408.8
47.5°	1448.0	1451.2	1468.2	1480.8	1483.2	1466.6	1476.5	1481.2	1465.8	1447.6	1442.4
50°	1482.0	1487.2	1509.3	1522.8	1517.7	1496.7	1516.1	1523.2	1489.2	1454.3	1444.0
52.5°	1543.8	1549.7	1576.6	1594.1	1588.1	1567.1	1585.3	1560.0	1502.6	1459.9	1446.8
55°	1642.4	1645.1	1678.0	1706.5	1703.7	1678.0	1663.3	1607.1	1537.5	1493.1	1480.8
57.5°	1621.4	1626.1	1683.1	1759.1	1801.9	1778.5	1692.6	1596.8	1502.2	1448.8	1432.2
60°	1275.8	1287.3	1358.1	1491.9	1648.7	1648.3	1488.8	1339.9	1225.9	1155.1	1147.9
62.5°	745.0	752.9	817.4	952.8	1093.3	1102.0	990.0	887.9	788.1	740.2	717.3
65°	352.7	352.3	378.0	439.0	534.0	541.5	507.9	452.1	393.1	376.8	372.5
67.5°	260.5	260.5	258.5	262.8	281.0	285.0	281.0	271.9	266.4	270.0	267.6
70°	226.0	226.4	224.0	222.9	222.9	221.7	223.3	226.8	229.2	233.9	231.6
72.5°	183.3	183.7	183.7	184.1	184.5	182.9	185.3	187.2	187.6	189.2	187.6
75°	130.2	131.0	133.4	135.4	137.0	137.0	137.8	138.1	136.6	138.5	135.4
77.5°	71.6	72.4	76.8	80.4	83.9	84.3	85.5	86.3	85.5	87.1	84.7
80°	39.6	40.4	42.4	43.9	46.7	49.1	50.7	51.5	51.5	52.6	51.5
82.5°	22.6	23.4	24.5	25.3	27.7	29.7	31.3	32.5	32.5	32.9	32.1
85°	10.7	10.7	11.5	12.3	13.5	14.3	16.2	17.4	17.4	18.2	17.4
87.5°	1.6	2.0	2.4	2.4	3.2	4.0	4.8	5.1	5.9	6.3	6.3
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)