

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: P631035

Luminaire Tested: GWS-SA1E-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631035  
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-SA1E-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

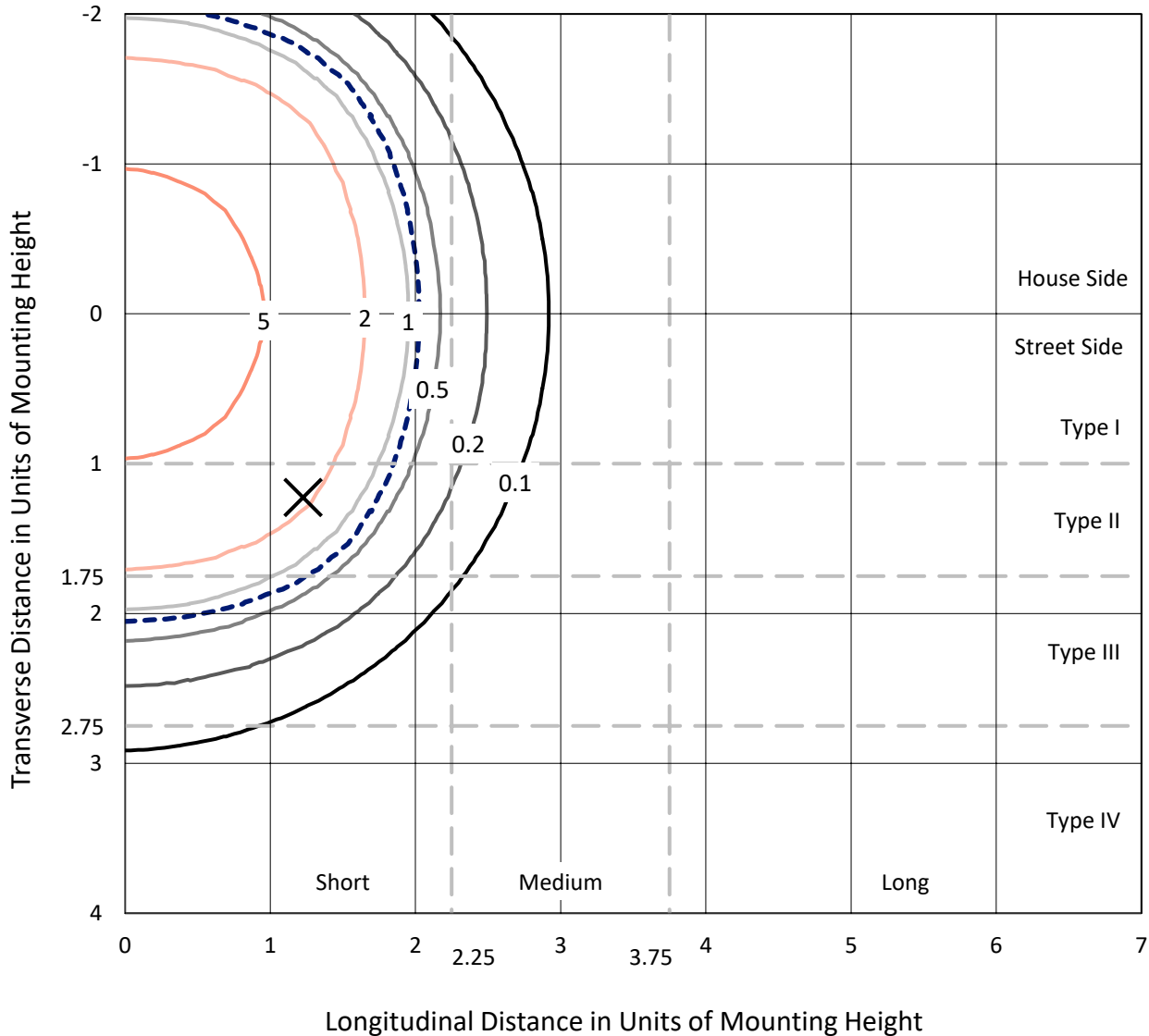
Lumens per Lamp: N/A  
Luminaire Lumens: 5083.8 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

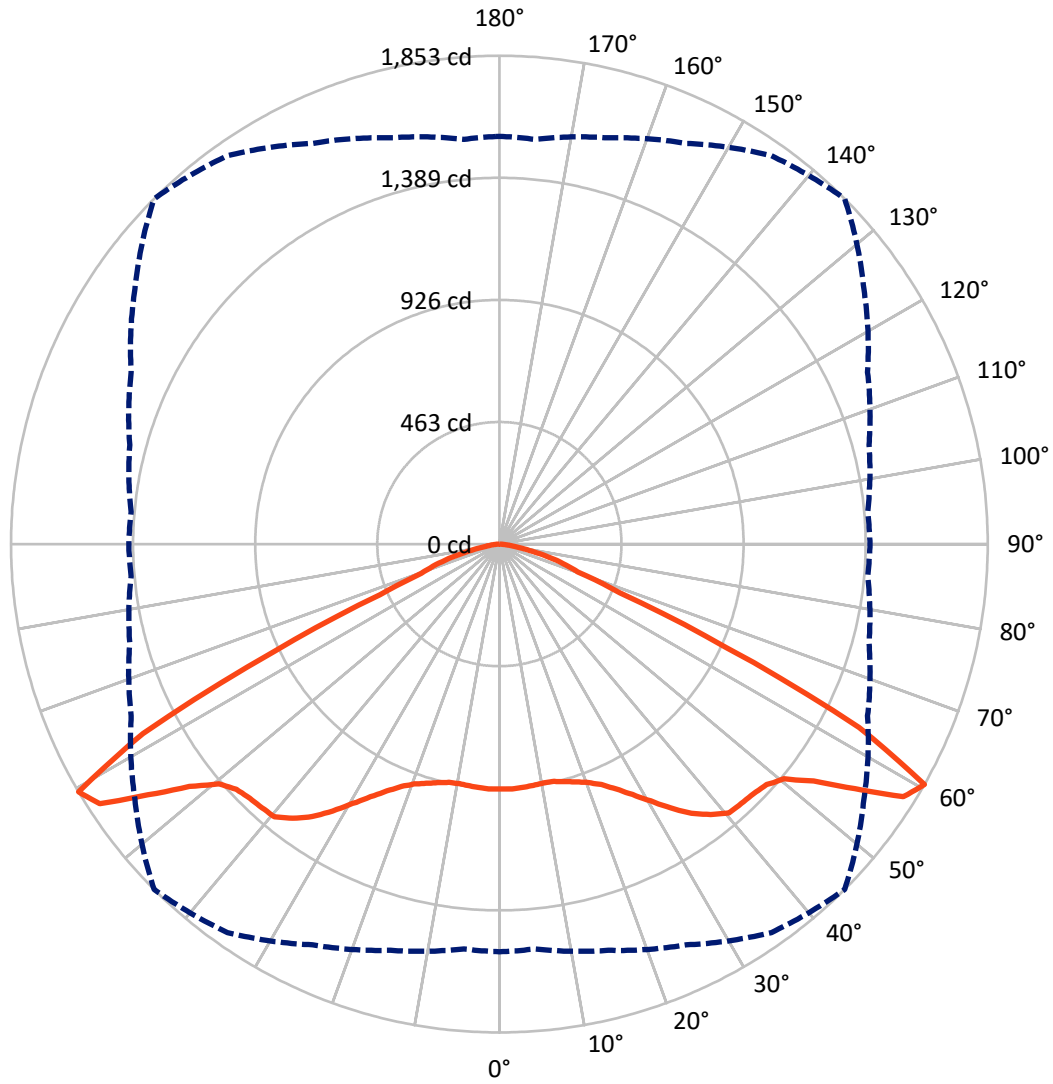
✕ Max cd  
 - - - 1/2 Max cd



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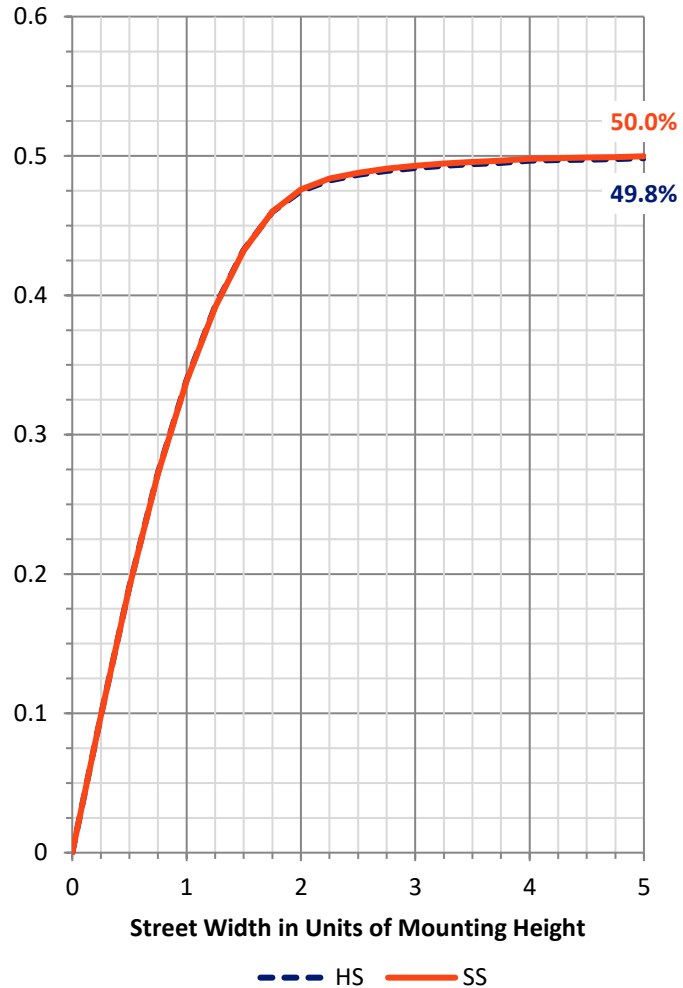
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2541.9	0.0	2541.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2541.9	0.0	2541.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5083.8	0.0	5083.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.1	1.7
10°-20°	265.0	5.2
20°-30°	468.9	9.2
30°-40°	754.9	14.8
40°-50°	1037.5	20.4
50°-60°	1382.6	27.2
60°-70°	861.7	17.0
70°-80°	198.2	3.9
80°-90°	26.9	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°	5083.8	100.0
0°-180°	5083.8	100.0

**Coefficient of Utilization**



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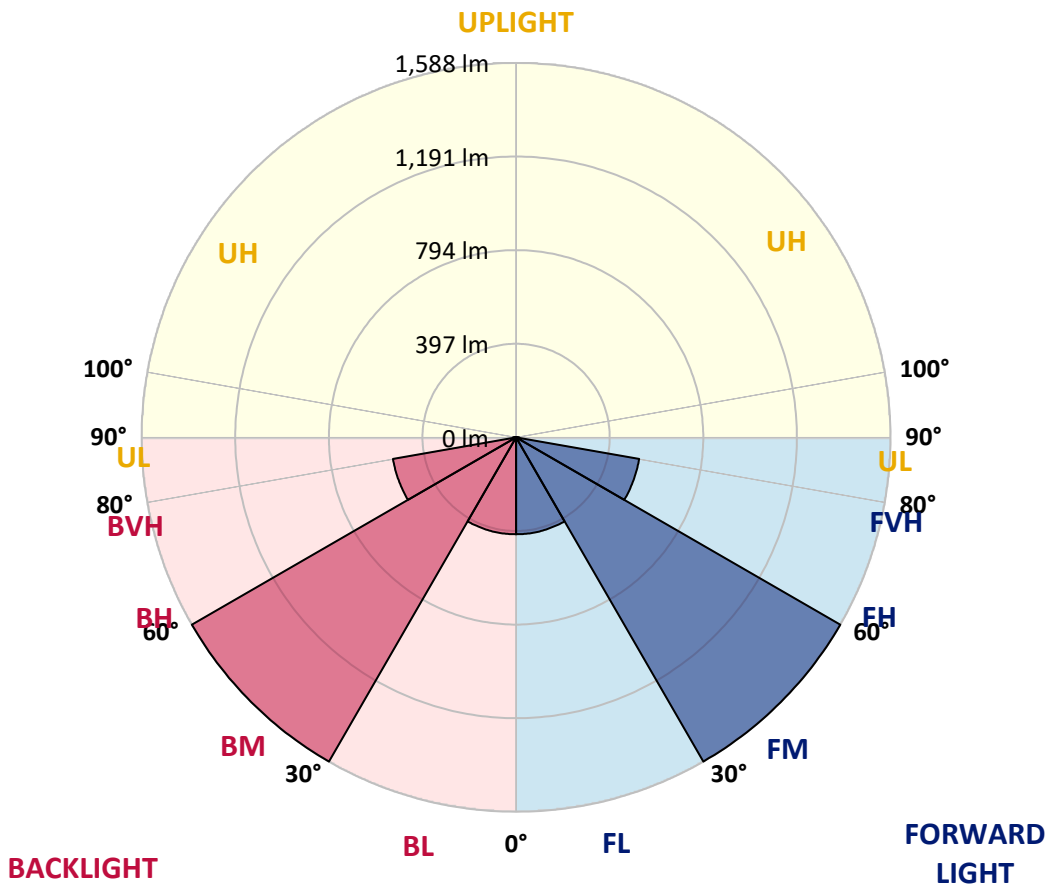
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.0	8.1			
FM (30°-60°)	1587.5	31.2			
FH (60°-80°)	529.9	10.4			G0/660
FVH (80°-90°)	13.4	0.3			G1/100
BL (0°-30°)	411.0	8.1	B1/500		
BM (30°-60°)	1587.5	31.2	B2/2500		
BH (60°-80°)	529.9	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°	929.1	929.1	929.1	929.1	929.1	929.1	929.1	929.1	929.1	929.1	929.1
2.5°	922.6	923.4	925.2	926.5	928.2	929.9	930.8	929.1	928.2	924.7	928.6
5°	923.4	924.3	925.6	925.6	926.0	927.3	927.3	925.2	923.0	919.1	923.4
7.5°	922.2	923.0	923.4	923.0	923.4	923.9	923.0	920.4	918.3	914.8	918.3
10°	920.0	920.9	921.7	920.9	920.0	921.3	921.3	919.6	918.3	914.8	918.7
12.5°	924.7	926.0	926.5	924.3	923.4	923.9	923.9	922.2	922.2	919.1	923.4
15°	936.0	936.8	935.5	932.9	933.4	934.7	931.6	927.3	926.5	925.2	928.6
17.5°	944.6	945.5	944.2	942.4	945.5	948.5	942.9	934.7	932.1	931.2	935.1
20°	954.1	955.4	953.7	955.8	961.9	965.3	958.4	947.2	942.0	940.7	945.5
22.5°	969.6	971.3	971.3	976.1	985.2	990.8	982.1	967.0	959.3	957.1	961.9
25°	994.2	995.5	996.8	1006.3	1021.0	1028.7	1014.9	994.2	983.4	980.0	982.6
27.5°	1028.3	1030.5	1032.6	1046.4	1064.6	1075.8	1055.9	1030.0	1016.7	1009.8	1014.9
30°	1068.9	1071.9	1077.1	1092.6	1118.1	1130.6	1105.1	1073.6	1058.5	1051.2	1058.1
32.5°	1124.1	1124.5	1128.4	1145.7	1179.3	1193.6	1161.6	1126.7	1111.2	1102.5	1106.4
35°	1189.7	1190.1	1184.1	1201.8	1238.0	1254.0	1216.4	1181.1	1168.1	1165.5	1175.5
37.5°	1257.0	1253.1	1247.1	1254.9	1291.5	1301.9	1262.2	1232.0	1226.4	1231.1	1245.8
40°	1304.9	1298.4	1286.4	1292.0	1329.1	1341.2	1298.9	1270.4	1268.7	1280.3	1298.0
42.5°	1336.0	1329.1	1314.8	1314.8	1340.3	1345.5	1312.7	1297.6	1301.5	1314.8	1331.7
45°	1351.1	1347.2	1339.0	1334.7	1348.9	1351.1	1326.1	1320.0	1327.3	1333.8	1346.8
47.5°	1362.7	1362.7	1360.1	1355.8	1362.3	1363.6	1345.0	1343.3	1352.8	1352.8	1361.4
50°	1383.4	1385.6	1389.1	1388.2	1395.1	1399.4	1385.6	1383.0	1386.9	1374.4	1378.7
52.5°	1437.8	1443.4	1453.4	1461.1	1478.8	1492.2	1467.6	1446.9	1426.6	1399.0	1399.8
55°	1535.3	1537.9	1557.3	1580.2	1610.0	1637.2	1586.7	1522.4	1478.4	1446.0	1446.4
57.5°	1617.8	1621.6	1650.1	1698.0	1764.9	1807.2	1695.4	1588.0	1525.8	1486.1	1487.4
60°	1546.6	1541.4	1595.3	1677.3	1798.6	1852.5	1687.7	1540.9	1451.6	1402.4	1405.9
62.5°	1196.6	1186.7	1246.7	1332.5	1477.9	1531.9	1380.0	1239.3	1154.7	1116.3	1110.7
65°	728.4	719.3	762.5	815.1	913.5	947.6	878.1	803.5	729.7	706.4	699.9
67.5°	396.6	395.3	406.9	432.8	476.0	491.9	478.6	443.2	424.2	407.8	407.8
70°	314.6	312.0	309.8	310.3	314.1	316.3	316.7	315.0	317.2	317.6	315.9
72.5°	260.6	259.8	255.5	255.9	254.2	253.3	256.3	258.0	261.5	261.9	261.9
75°	189.0	186.8	189.0	189.4	187.7	187.7	189.9	189.4	191.2	192.0	187.3
77.5°	107.4	107.4	110.5	113.9	116.5	116.5	118.7	118.7	120.8	120.4	119.5
80°	59.1	59.1	60.8	63.0	65.6	68.2	70.3	70.8	72.1	71.6	70.3
82.5°	33.7	34.1	35.0	36.2	38.8	41.0	43.2	43.6	44.9	44.9	43.6
85°	16.0	15.5	16.0	16.8	18.1	19.8	22.0	23.3	24.2	24.2	23.3
87.5°	3.0	3.5	3.0	3.5	3.9	5.2	6.0	6.9	8.2	8.6	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)