

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: P635491

Luminaire Tested: GWS-SA3D-830-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-830-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

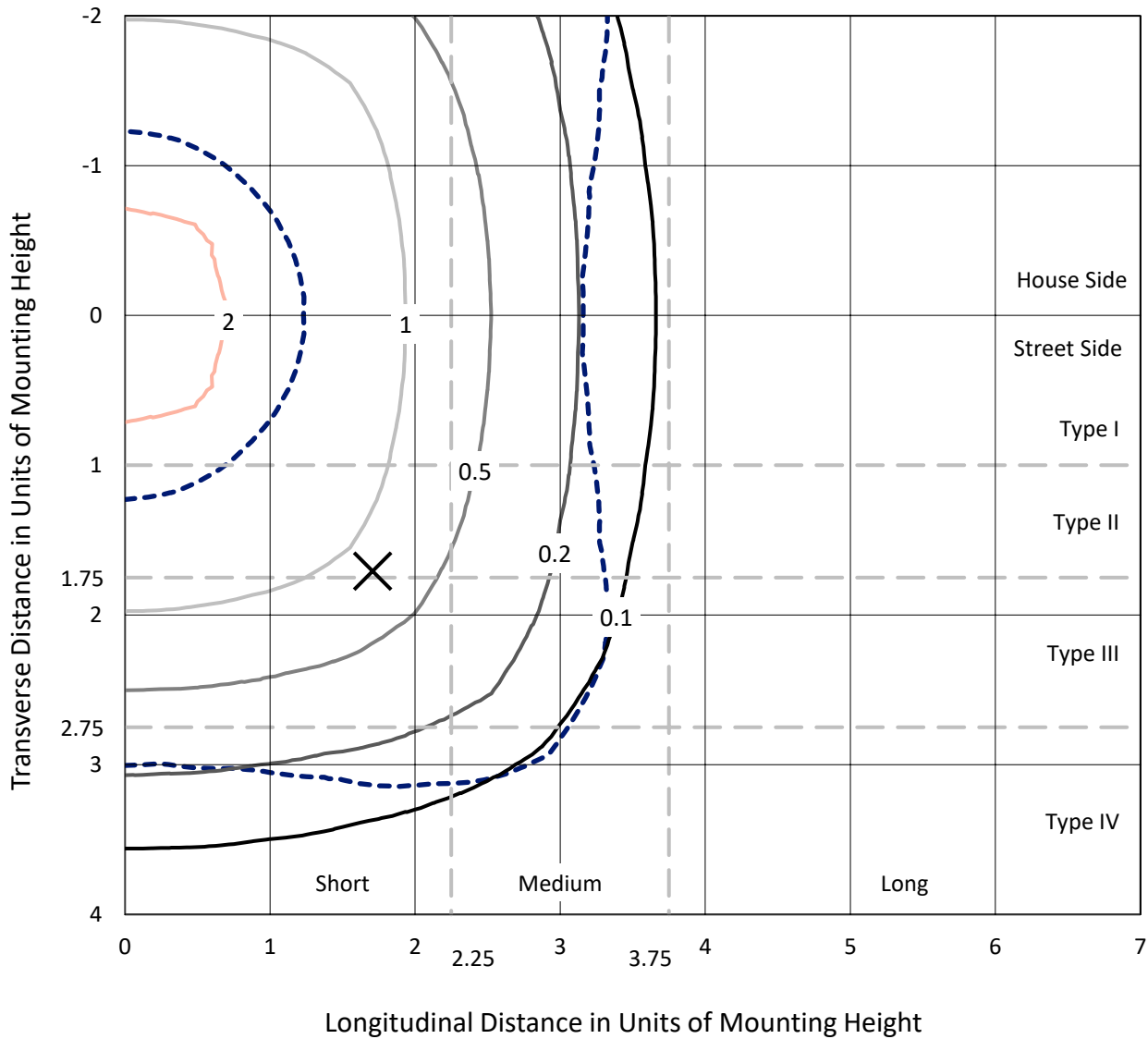
Lumens per Lamp: N/A  
Luminaire Lumens: 14172.7 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

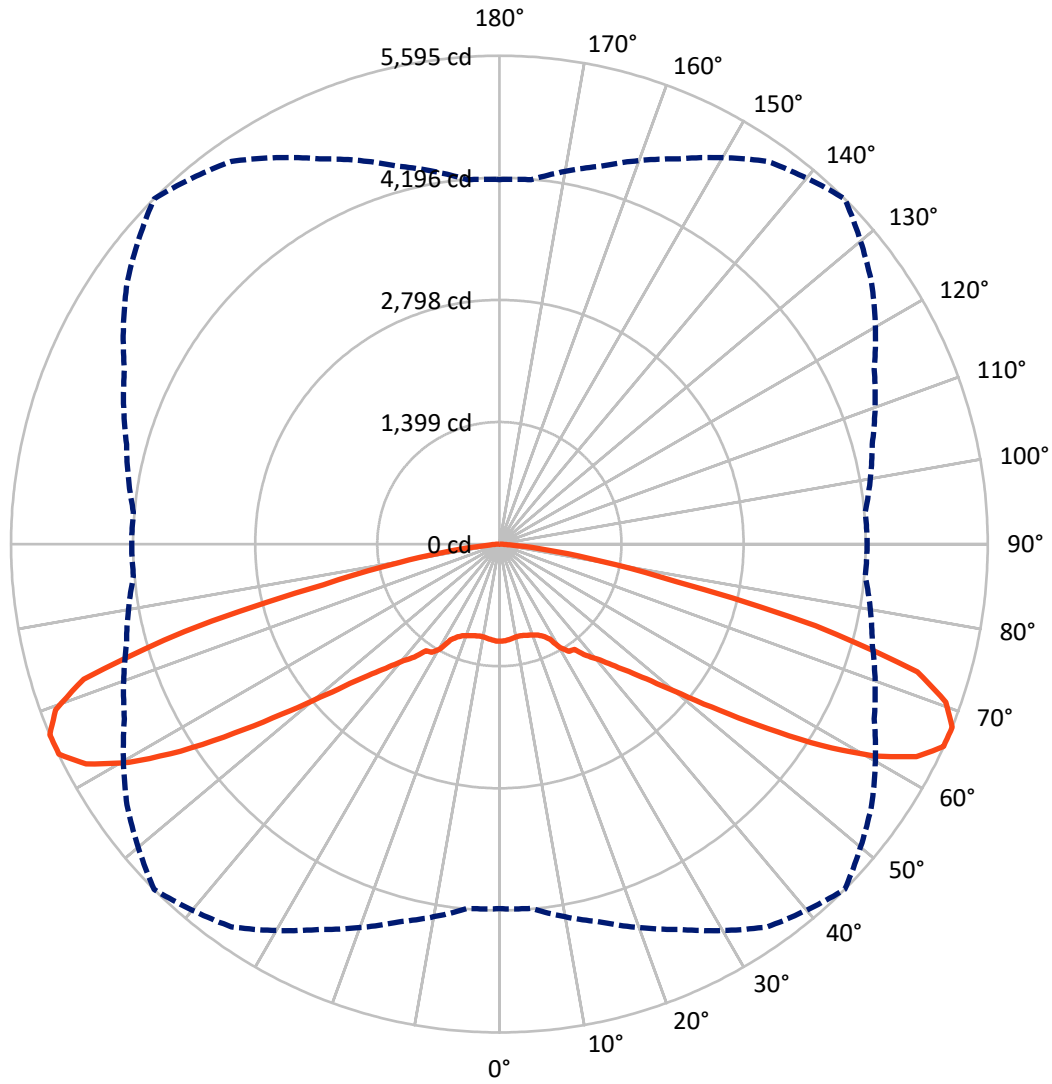
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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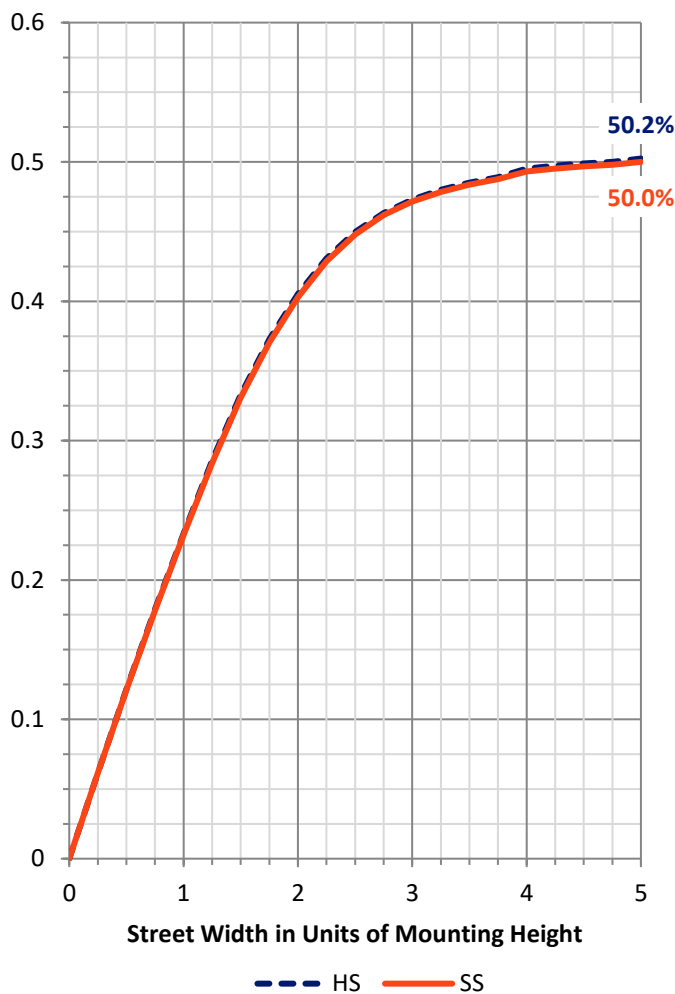
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7086.3	0.0	7086.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7086.3	0.0	7086.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14172.7	0.0	14172.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.4	0.7
10°-20°	309.7	2.2
20°-30°	555.5	3.9
30°-40°	938.4	6.6
40°-50°	1648.8	11.6
50°-60°	3180.6	22.4
60°-70°	4614.7	32.6
70°-80°	2640.3	18.6
80°-90°	180.2	1.3
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°	14172.7	100.0
0°-180°	14172.7	100.0

**Coefficient of Utilization**



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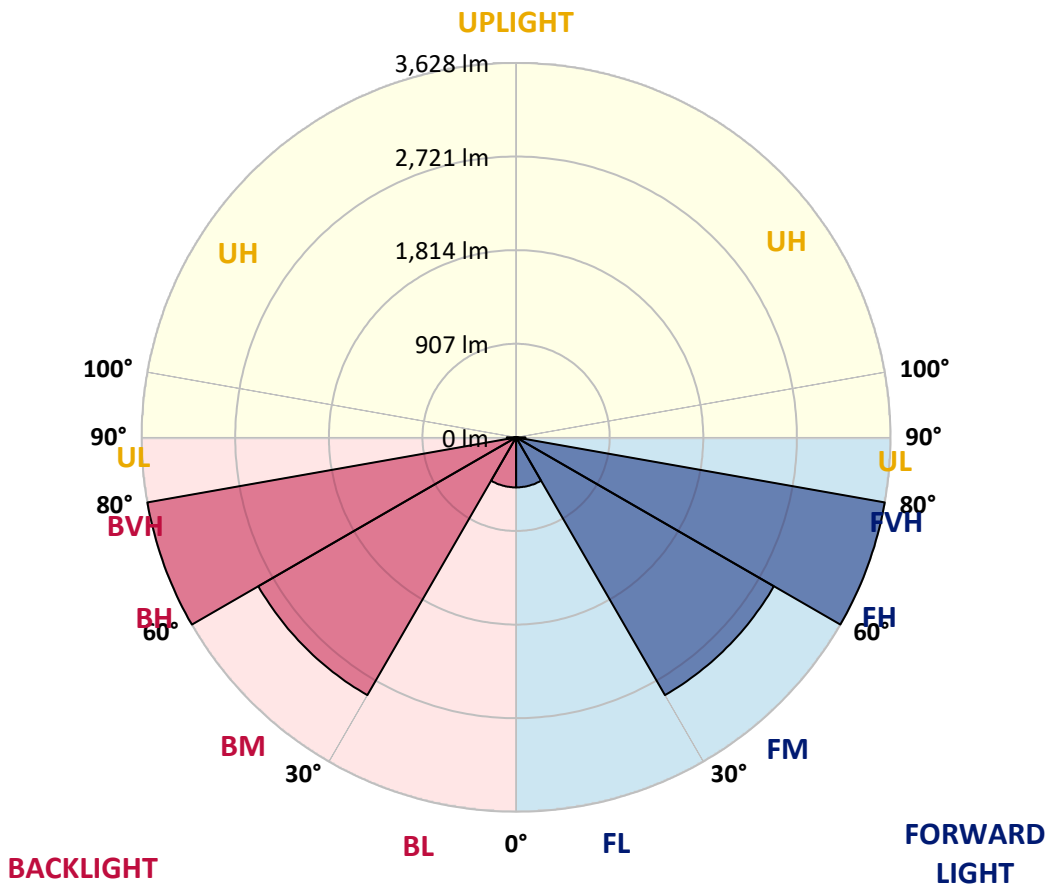
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.8	3.4			
FM (30°-60°)	2884.0	20.3			
FH (60°-80°)	3627.5	25.6			G2/5000
FVH (80°-90°)	90.1	0.6			G1/100
BL (0°-30°)	484.8	3.4	B1/500		
BM (30°-60°)	2884.0	20.3	B3/5000		
BH (60°-80°)	3627.5	25.6	B4/5000		G2/5000
BVH (80°-90°)	90.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1102.4	1103.4	1105.4	1105.4	1107.4	1110.4	1111.4	1109.4	1110.4	1105.4	1110.4
5°	1099.4	1100.4	1101.4	1099.4	1099.4	1100.4	1100.4	1098.4	1099.4	1094.4	1099.4
7.5°	1092.4	1093.4	1093.4	1090.4	1087.4	1089.4	1089.4	1087.4	1088.4	1083.4	1089.4
10°	1086.4	1086.4	1085.4	1079.4	1076.4	1079.4	1080.4	1081.4	1085.4	1081.4	1088.4
12.5°	1090.4	1090.4	1087.4	1079.4	1074.3	1076.4	1078.4	1080.4	1087.4	1086.4	1094.4
15°	1101.4	1102.4	1094.4	1085.4	1082.4	1085.4	1083.4	1082.4	1091.4	1094.4	1103.4
17.5°	1110.4	1110.4	1100.4	1091.4	1092.4	1097.4	1093.4	1088.4	1097.4	1103.4	1113.4
20°	1118.4	1117.4	1106.4	1100.4	1104.4	1111.4	1108.4	1101.4	1107.4	1114.4	1123.5
22.5°	1138.5	1137.5	1125.5	1122.5	1126.5	1133.5	1130.5	1124.5	1131.5	1141.5	1152.5
25°	1195.6	1193.6	1175.6	1165.5	1163.5	1168.6	1167.6	1165.5	1176.6	1188.6	1201.6
27.5°	1271.8	1270.8	1257.7	1247.7	1234.7	1230.7	1233.7	1242.7	1258.8	1267.8	1278.8
30°	1309.9	1309.9	1307.9	1323.9	1352.0	1379.0	1358.0	1323.9	1309.9	1305.9	1316.9
32.5°	1360.0	1365.0	1358.0	1376.0	1423.1	1463.2	1423.1	1368.0	1358.0	1358.0	1370.0
35°	1475.2	1477.2	1466.2	1463.2	1478.2	1483.2	1464.2	1444.2	1455.2	1457.2	1472.2
37.5°	1567.4	1567.4	1562.4	1570.4	1601.5	1620.5	1589.5	1553.4	1556.4	1558.4	1577.4
40°	1709.7	1713.7	1701.7	1700.7	1712.7	1729.8	1696.7	1673.7	1689.7	1694.7	1723.8
42.5°	1887.1	1887.1	1869.1	1864.1	1872.1	1890.1	1859.1	1844.0	1865.1	1869.1	1886.1
45°	2098.6	2103.6	2079.5	2070.5	2074.5	2080.5	2058.5	2051.5	2071.5	2080.5	2110.6
47.5°	2356.1	2361.2	2340.1	2339.1	2335.1	2339.1	2318.1	2314.1	2330.1	2323.1	2355.1
50°	2673.8	2682.9	2664.8	2689.9	2686.9	2698.9	2669.8	2648.8	2648.8	2629.7	2647.8
52.5°	3029.6	3047.7	3056.7	3098.8	3130.8	3160.9	3112.8	3079.7	3031.6	2992.5	3041.6
55°	3417.5	3412.5	3469.6	3561.8	3656.0	3727.1	3632.9	3528.7	3450.5	3369.4	3388.4
57.5°	3757.2	3774.2	3849.4	4017.8	4204.2	4354.5	4185.1	3984.7	3807.3	3691.1	3707.1
60°	4039.8	4053.9	4154.1	4396.6	4722.3	4929.8	4661.2	4330.5	4072.9	3912.6	3929.6
62.5°	4300.4	4313.4	4414.6	4682.2	5093.1	5363.7	5017.0	4565.0	4278.4	4117.0	4127.0
65°	4450.7	4458.7	4597.0	4878.7	5311.6	5591.2	5200.4	4734.3	4452.7	4288.4	4294.4
67.5°	4177.1	4190.2	4481.8	4870.6	5353.7	5595.2	5208.4	4739.4	4422.7	4208.2	4213.2
70°	3295.2	3284.2	3631.9	4300.4	5112.2	5426.9	4976.9	4383.6	3894.5	3594.9	3589.8
72.5°	2512.5	2515.5	2708.9	3166.9	4168.1	5007.9	4391.6	3529.7	3002.6	2775.1	2766.0
75°	1822.0	1850.0	2007.4	2343.1	2915.4	3743.2	3306.2	2615.7	2262.9	2126.6	2106.6
77.5°	820.8	856.9	1076.4	1471.2	1949.3	2068.5	2076.5	1775.9	1339.9	1113.4	1078.4
80°	239.5	256.6	329.7	564.2	908.0	1173.6	932.0	783.7	488.1	382.8	364.8
82.5°	101.2	115.3	141.3	156.3	263.6	544.2	338.7	215.5	200.4	162.4	148.3
85°	43.1	46.1	59.1	63.1	85.2	116.3	107.2	97.2	93.2	72.2	66.1
87.5°	18.0	18.0	18.0	16.0	15.0	16.0	22.0	28.1	37.1	29.1	27.1
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)