

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: P632571

Luminaire Tested: GWS-SA2D-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6052.1 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 82.1  
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

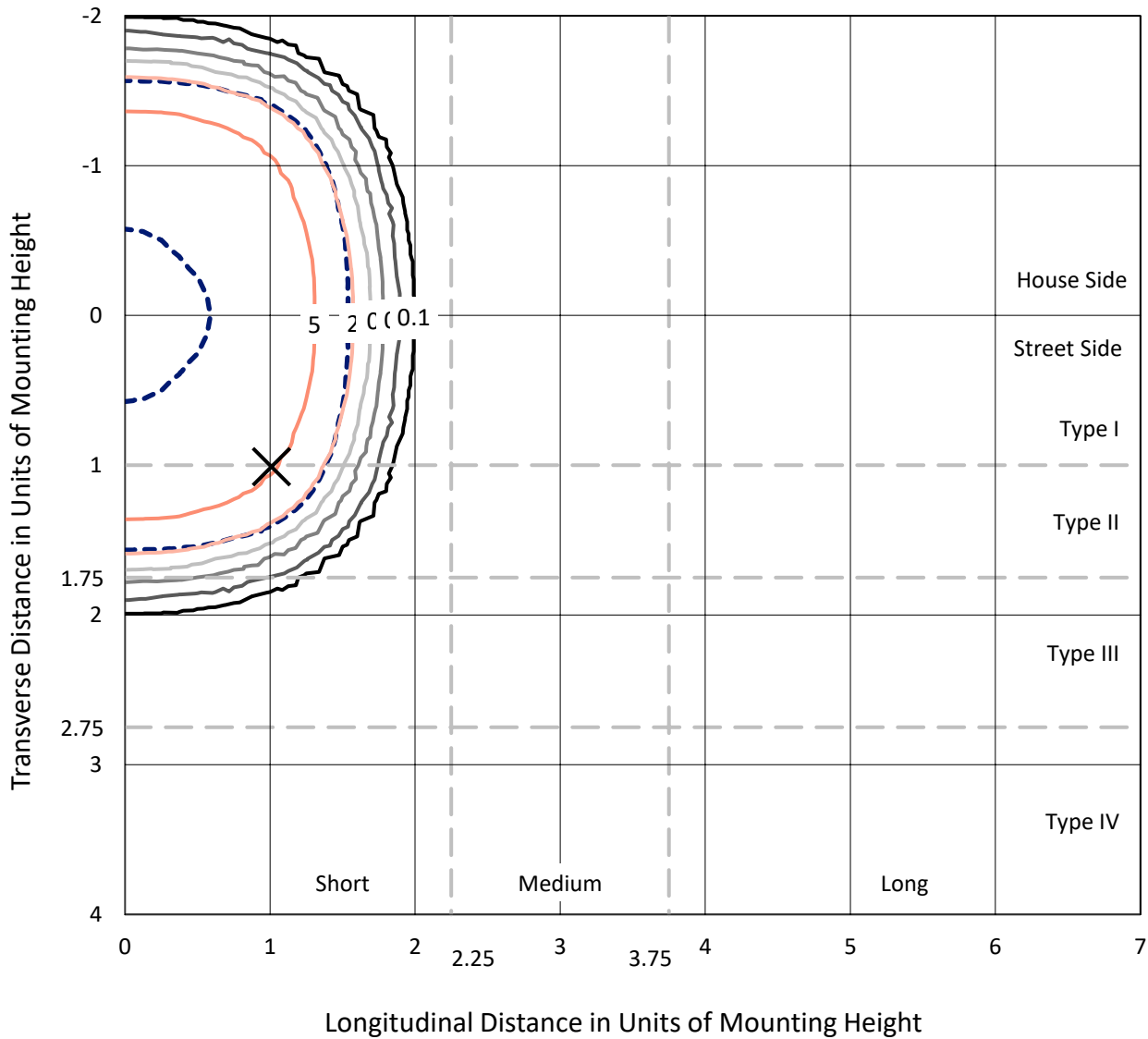


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### Iso-Footcandle Lines of Horizontal Illumination

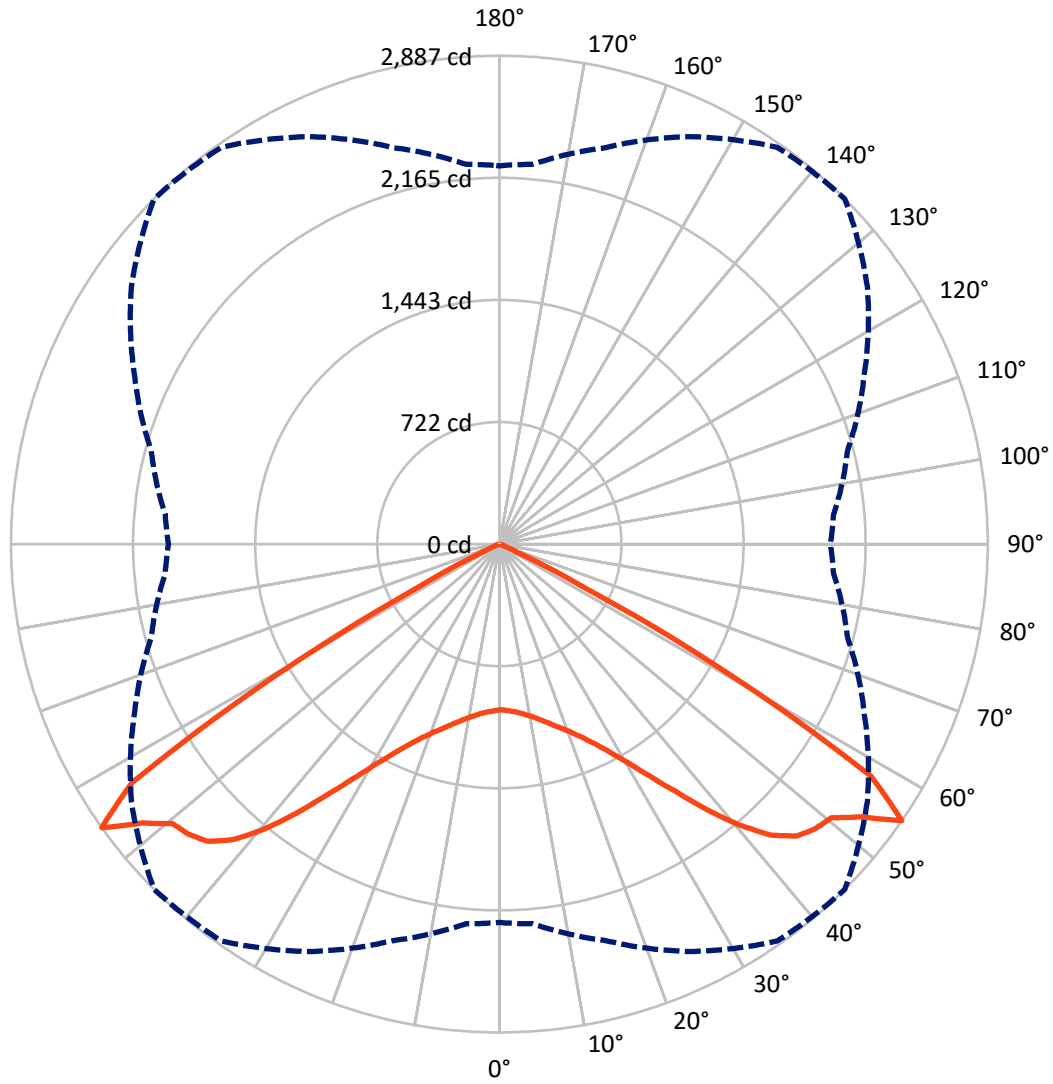
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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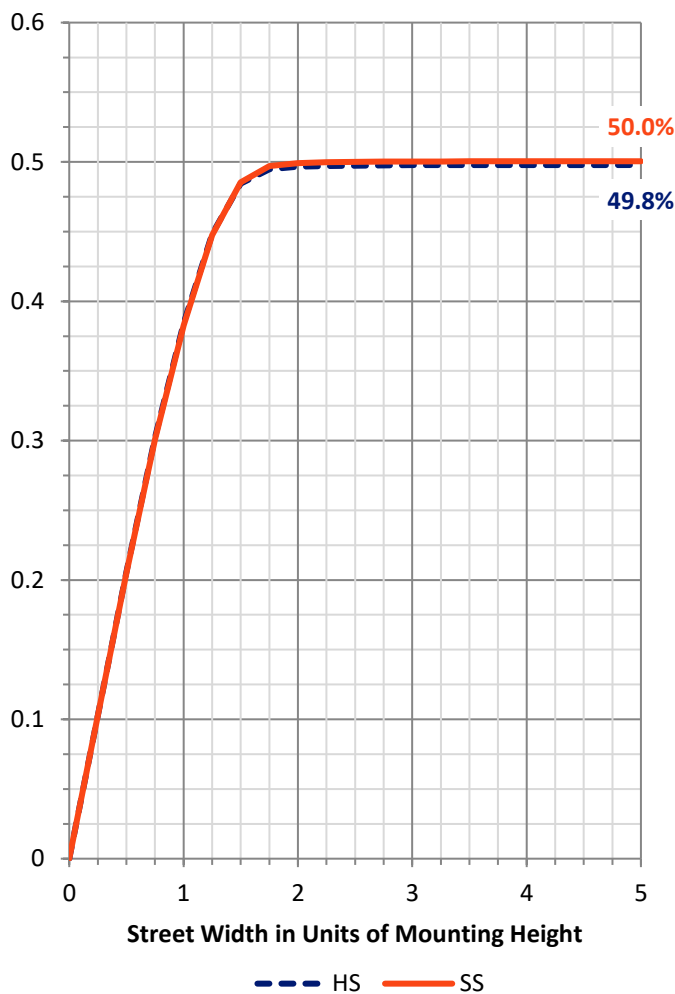
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3026.0	0.0	3026.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3026.0	0.0	3026.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6052.1	0.0	6052.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.9	1.6
10°-20°	310.8	5.1
20°-30°	601.9	9.9
30°-40°	1078.3	17.8
40°-50°	1807.8	29.9
50°-60°	1935.1	32.0
60°-70°	212.6	3.5
70°-80°	9.4	0.2
80°-90°	0.4	0.0
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°	6052.1	100.0
0°-180°	6052.1	100.0

**Coefficient of Utilization**



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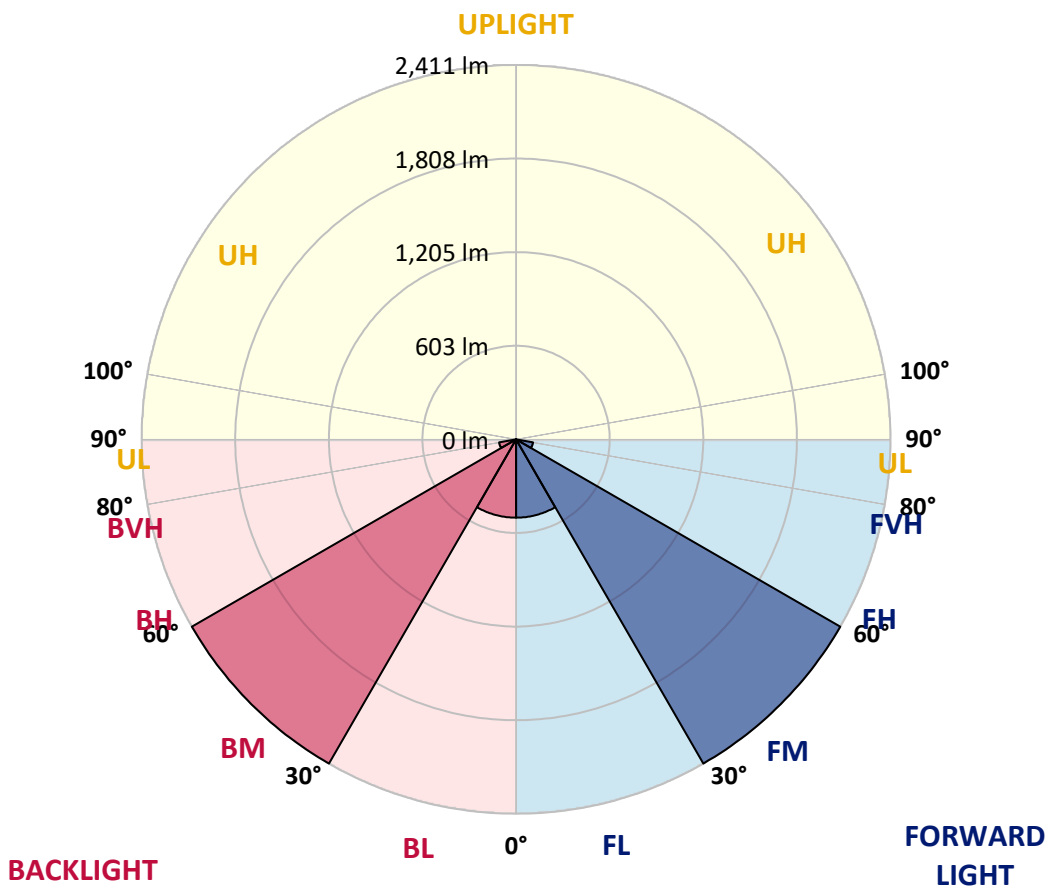
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.3	8.3			
FM (30°-60°)	2410.6	39.8			
FH (60°-80°)	111.0	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	504.3	8.3	B2/1000		
BM (30°-60°)	2410.6	39.8	B2/2500		
BH (60°-80°)	111.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			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°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5
2.5°	976.7	976.7	979.1	981.0	981.0	985.9	984.1	982.2	982.2	979.7	984.7
5°	990.8	990.2	992.7	993.9	991.5	996.4	993.3	991.5	990.2	987.8	992.7
7.5°	1006.3	1006.9	1007.5	1010.0	1008.7	1013.7	1011.2	1007.5	1006.3	1002.6	1007.5
10°	1024.8	1024.8	1026.0	1029.1	1029.7	1035.8	1033.4	1029.1	1025.4	1021.7	1026.6
12.5°	1048.2	1048.8	1050.6	1055.0	1057.4	1064.2	1060.5	1051.9	1046.3	1042.0	1047.6
15°	1082.1	1081.5	1083.9	1090.1	1093.2	1098.1	1092.6	1080.9	1074.1	1069.1	1072.8
17.5°	1119.1	1119.1	1120.3	1126.5	1130.8	1138.2	1131.4	1117.2	1111.1	1104.3	1108.0
20°	1159.8	1161.6	1162.9	1167.2	1174.6	1182.0	1176.4	1162.2	1155.5	1146.8	1151.1
22.5°	1213.4	1211.6	1212.2	1219.6	1230.1	1237.5	1233.2	1216.5	1204.8	1198.0	1200.5
25°	1273.2	1272.6	1274.5	1285.6	1297.3	1305.3	1299.1	1277.5	1265.8	1254.1	1259.1
27.5°	1346.6	1347.2	1348.5	1362.0	1380.5	1392.2	1376.8	1355.2	1339.2	1323.8	1327.5
30°	1433.5	1432.3	1436.0	1454.5	1481.6	1500.1	1482.3	1452.0	1429.2	1414.4	1416.3
32.5°	1526.0	1527.3	1537.1	1566.7	1602.5	1635.2	1598.8	1558.7	1529.1	1501.4	1505.1
35°	1625.9	1629.0	1651.2	1695.0	1753.5	1797.3	1746.8	1680.8	1638.9	1603.1	1604.3
37.5°	1743.7	1751.1	1781.9	1847.3	1931.1	1989.7	1915.7	1828.2	1773.9	1729.5	1726.4
40°	1898.4	1907.1	1949.0	2026.7	2128.4	2182.1	2096.4	2006.3	1939.1	1891.0	1883.6
42.5°	2076.0	2087.1	2132.7	2212.3	2314.0	2350.4	2266.5	2190.7	2130.3	2073.5	2071.1
45°	2276.4	2282.6	2319.6	2380.6	2454.0	2462.6	2399.7	2357.8	2296.7	2243.7	2239.4
47.5°	2464.5	2470.6	2495.9	2527.3	2544.6	2513.8	2502.7	2484.2	2405.3	2339.9	2326.3
50°	2607.5	2612.4	2643.9	2656.2	2608.1	2542.8	2564.3	2524.9	2439.2	2365.8	2344.8
52.5°	2597.6	2610.0	2690.7	2761.0	2730.8	2677.8	2619.8	2534.7	2401.6	2301.1	2275.2
55°	2236.3	2253.0	2426.2	2657.4	2864.0	2886.8	2655.0	2380.6	2130.3	1982.9	1956.4
57.5°	1437.2	1441.6	1653.0	1977.4	2442.9	2589.6	2201.8	1794.9	1483.5	1321.3	1310.2
60°	528.4	519.8	679.5	948.3	1407.0	1562.4	1296.0	907.6	647.4	532.7	523.5
62.5°	127.0	128.2	159.1	238.6	441.5	546.3	431.6	241.1	153.5	128.9	127.6
65°	64.1	62.9	63.5	68.4	94.3	112.8	92.5	65.4	62.9	63.5	62.9
67.5°	41.3	40.7	41.9	42.5	41.9	39.5	38.8	40.1	40.1	40.7	39.5
70°	25.3	24.7	25.9	27.7	26.5	23.4	24.7	25.9	24.7	24.0	24.0
72.5°	13.6	13.6	14.8	16.0	14.8	13.6	13.6	14.2	13.6	13.6	13.6
75°	6.2	6.2	6.8	7.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2
77.5°	1.8	1.8	2.5	2.5	1.8	1.8	1.8	1.8	2.5	2.5	2.5
80°	0.6	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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)