

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: P632576

Luminaire Tested: GWS-SA2D-722-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632576  
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-SA2D-722-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

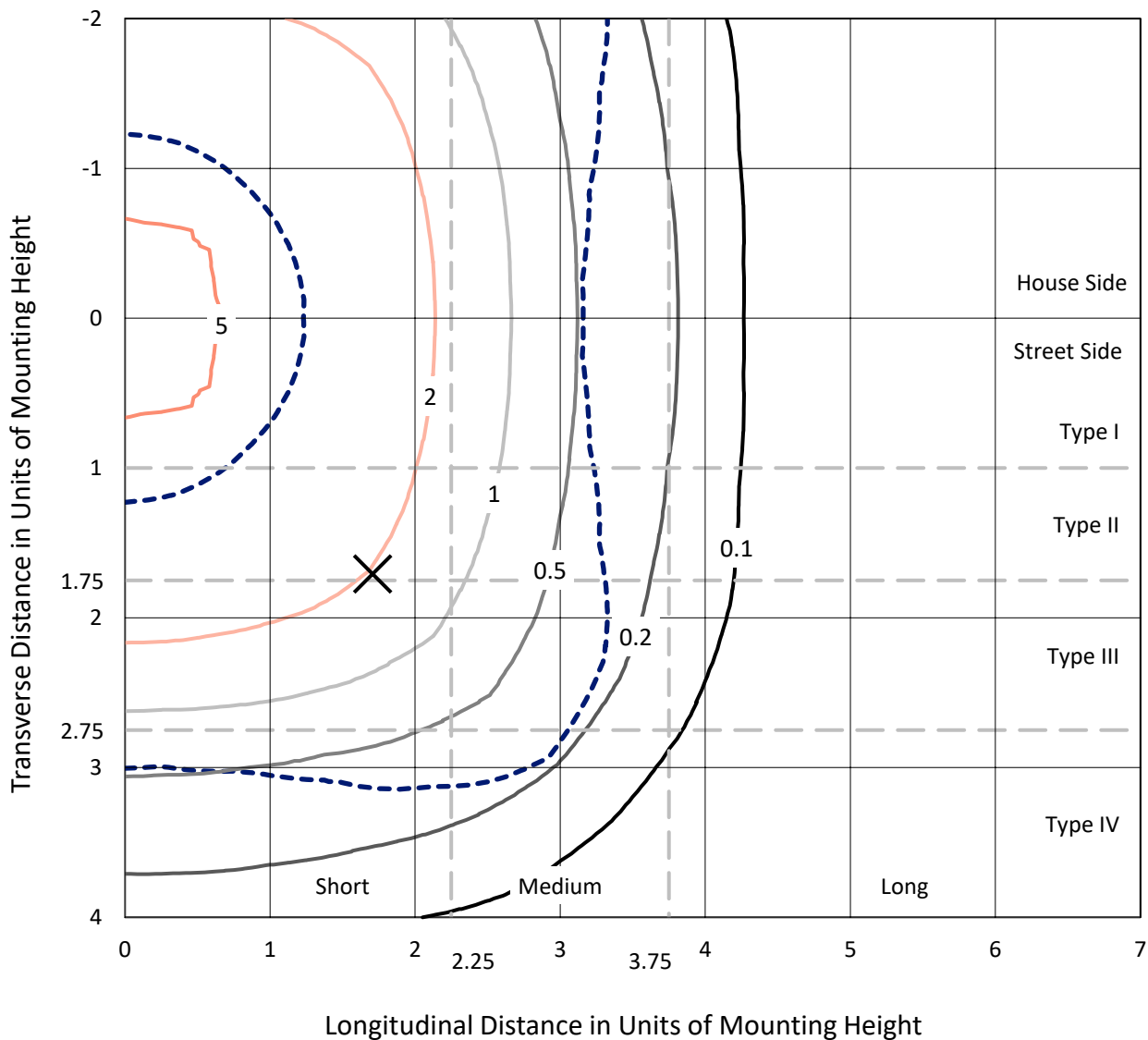
Lumens per Lamp: N/A  
Luminaire Lumens: 8719.3 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

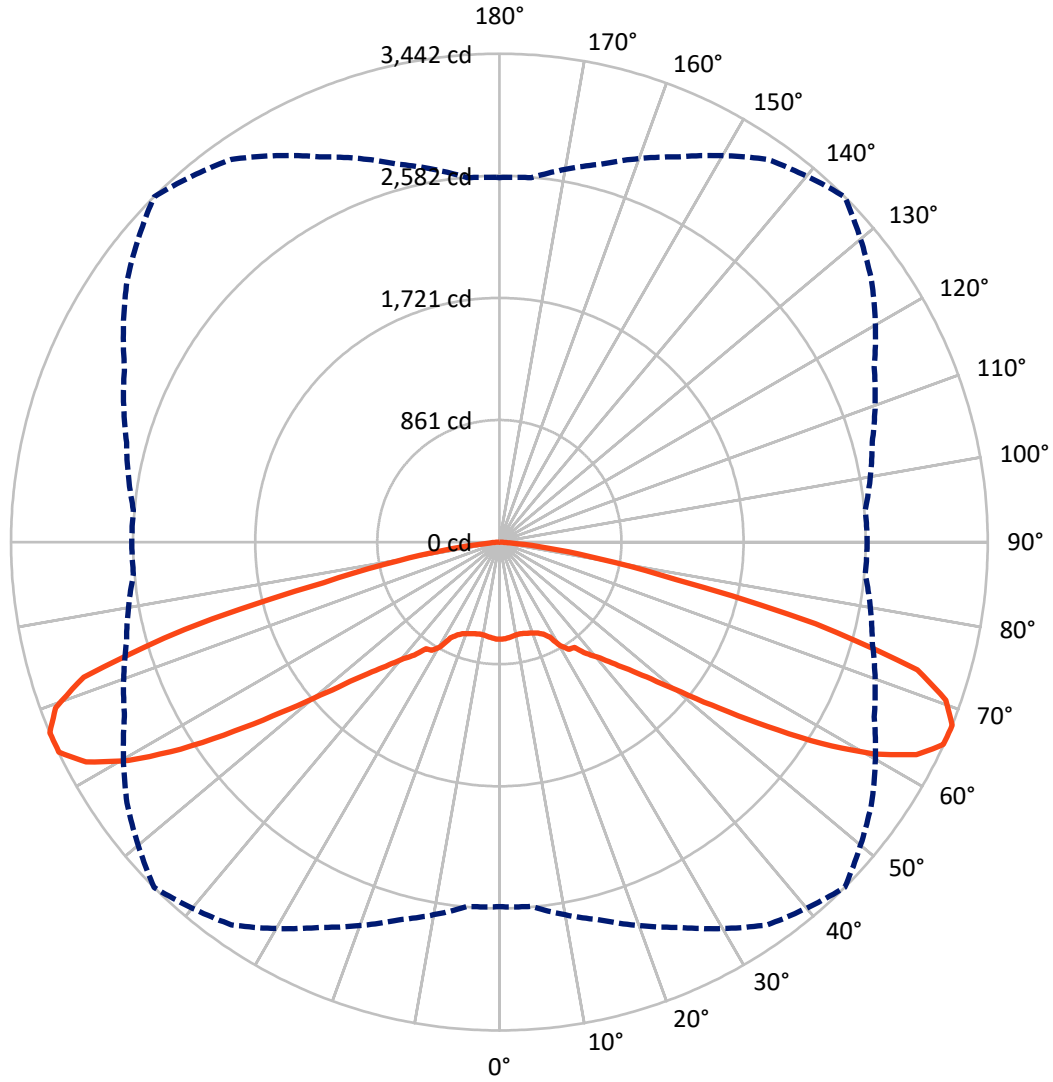
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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	4359.7	0.0	4359.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4359.7	0.0	4359.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8719.3	0.0	8719.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	0.7
10°-20°	190.5	2.2
20°-30°	341.8	3.9
30°-40°	577.3	6.6
40°-50°	1014.4	11.6
50°-60°	1956.8	22.4
60°-70°	2839.1	32.6
70°-80°	1624.4	18.6
80°-90°	110.9	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°	8719.3	100.0
0°-180°	8719.3	100.0

**Coefficient of Utilization**



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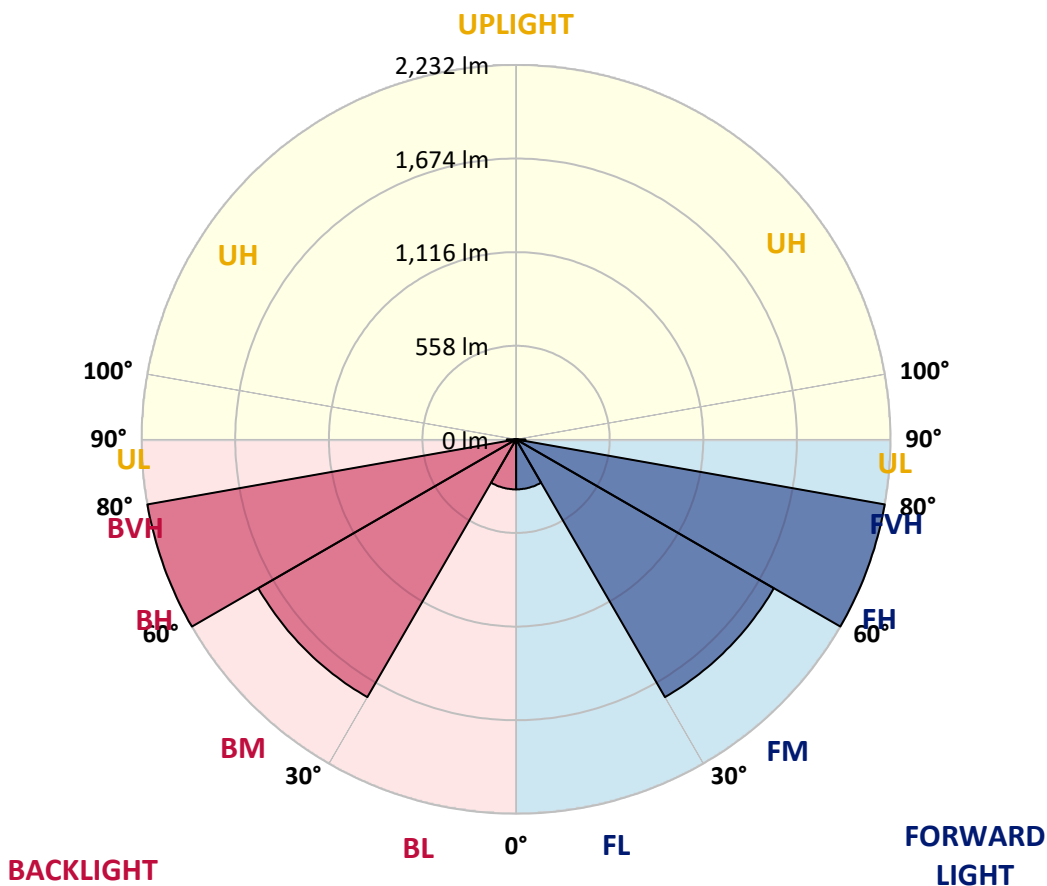
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.2	3.4			
FM (30°-60°)	1774.3	20.3			
FH (60°-80°)	2231.7	25.6			G2/5000
FVH (80°-90°)	55.4	0.6			G1/100
BL (0°-30°)	298.2	3.4	B1/500		
BM (30°-60°)	1774.3	20.3	B2/2500		
BH (60°-80°)	2231.7	25.6	B3/2500		G2/5000
BVH (80°-90°)	55.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8
2.5°	678.2	678.8	680.1	680.1	681.3	683.2	683.8	682.5	683.2	680.1	683.2
5°	676.4	677.0	677.6	676.4	676.4	677.0	677.0	675.8	676.4	673.3	676.4
7.5°	672.1	672.7	672.7	670.8	669.0	670.2	670.2	669.0	669.6	666.5	670.2
10°	668.4	668.4	667.7	664.0	662.2	664.0	664.7	665.3	667.7	665.3	669.6
12.5°	670.8	670.8	669.0	664.0	661.0	662.2	663.4	664.7	669.0	668.4	673.3
15°	677.6	678.2	673.3	667.7	665.9	667.7	666.5	665.9	671.4	673.3	678.8
17.5°	683.2	683.2	677.0	671.4	672.1	675.1	672.7	669.6	675.1	678.8	685.0
20°	688.1	687.5	680.7	677.0	679.5	683.8	681.9	677.6	681.3	685.6	691.2
22.5°	700.4	699.8	692.4	690.6	693.0	697.3	695.5	691.8	696.1	702.3	709.1
25°	735.6	734.3	723.2	717.1	715.8	718.9	718.3	717.1	723.8	731.2	739.3
27.5°	782.4	781.8	773.8	767.6	759.6	757.1	759.0	764.5	774.4	780.0	786.7
30°	805.9	805.9	804.6	814.5	831.7	848.4	835.4	814.5	805.9	803.4	810.2
32.5°	836.7	839.8	835.4	846.5	875.5	900.2	875.5	841.6	835.4	835.4	842.8
35°	907.6	908.8	902.0	900.2	909.4	912.5	900.8	888.5	895.3	896.5	905.7
37.5°	964.3	964.3	961.2	966.2	985.3	997.0	977.9	955.7	957.5	958.8	970.5
40°	1051.9	1054.3	1046.9	1046.3	1053.7	1064.2	1043.8	1029.7	1039.5	1042.6	1060.5
42.5°	1161.0	1161.0	1149.9	1146.8	1151.7	1162.8	1143.7	1134.5	1147.4	1149.9	1160.4
45°	1291.1	1294.2	1279.4	1273.8	1276.3	1280.0	1266.4	1262.1	1274.4	1280.0	1298.5
47.5°	1449.5	1452.6	1439.7	1439.1	1436.6	1439.1	1426.1	1423.6	1433.5	1429.2	1448.9
50°	1645.0	1650.5	1639.4	1654.9	1653.0	1660.4	1642.5	1629.6	1629.6	1617.9	1629.0
52.5°	1863.9	1875.0	1880.5	1906.4	1926.2	1944.6	1915.1	1894.7	1865.1	1841.1	1871.3
55°	2102.5	2099.4	2134.5	2191.3	2249.2	2293.0	2235.0	2170.9	2122.8	2072.9	2084.6
57.5°	2311.5	2322.0	2368.2	2471.8	2586.5	2679.0	2574.8	2451.5	2342.3	2270.8	2280.7
60°	2485.4	2494.0	2555.7	2704.9	2905.3	3032.9	2867.6	2664.2	2505.7	2407.1	2417.6
62.5°	2645.7	2653.7	2716.0	2880.6	3133.4	3299.9	3086.5	2808.5	2632.1	2532.9	2539.0
65°	2738.2	2743.1	2828.2	3001.4	3267.8	3439.8	3199.4	2912.7	2739.4	2638.3	2642.0
67.5°	2569.8	2577.9	2757.3	2996.5	3293.7	3442.3	3204.3	2915.7	2720.9	2589.0	2592.0
70°	2027.3	2020.5	2234.4	2645.7	3145.1	3338.7	3061.9	2696.9	2396.0	2211.6	2208.5
72.5°	1545.7	1547.6	1666.6	1948.3	2564.3	3081.0	2701.8	2171.5	1847.2	1707.3	1701.7
75°	1120.9	1138.2	1235.0	1441.5	1793.6	2302.9	2034.0	1609.2	1392.2	1308.4	1296.0
77.5°	505.0	527.2	662.2	905.1	1199.2	1272.6	1277.5	1092.6	824.3	685.0	663.4
80°	147.4	157.8	202.9	347.1	558.6	722.0	573.4	482.2	300.3	235.5	224.4
82.5°	62.3	70.9	86.9	96.2	162.2	334.8	208.4	132.6	123.3	99.9	91.3
85°	26.5	28.4	36.4	38.8	52.4	71.5	66.0	59.8	57.3	44.4	40.7
87.5°	11.1	11.1	11.1	9.9	9.2	9.9	13.6	17.3	22.8	17.9	16.6
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)