

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: P632570

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8906.7 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

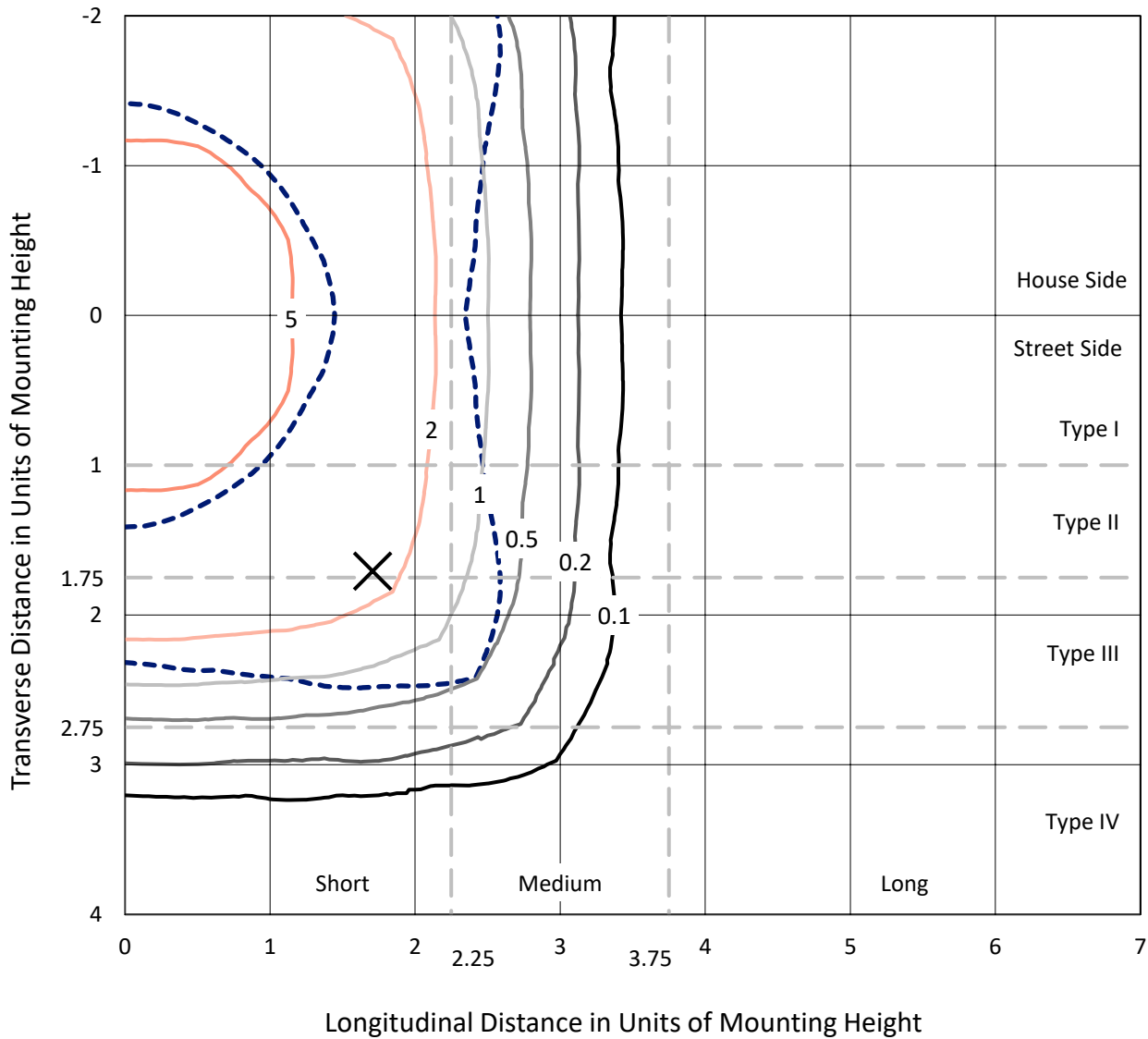
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

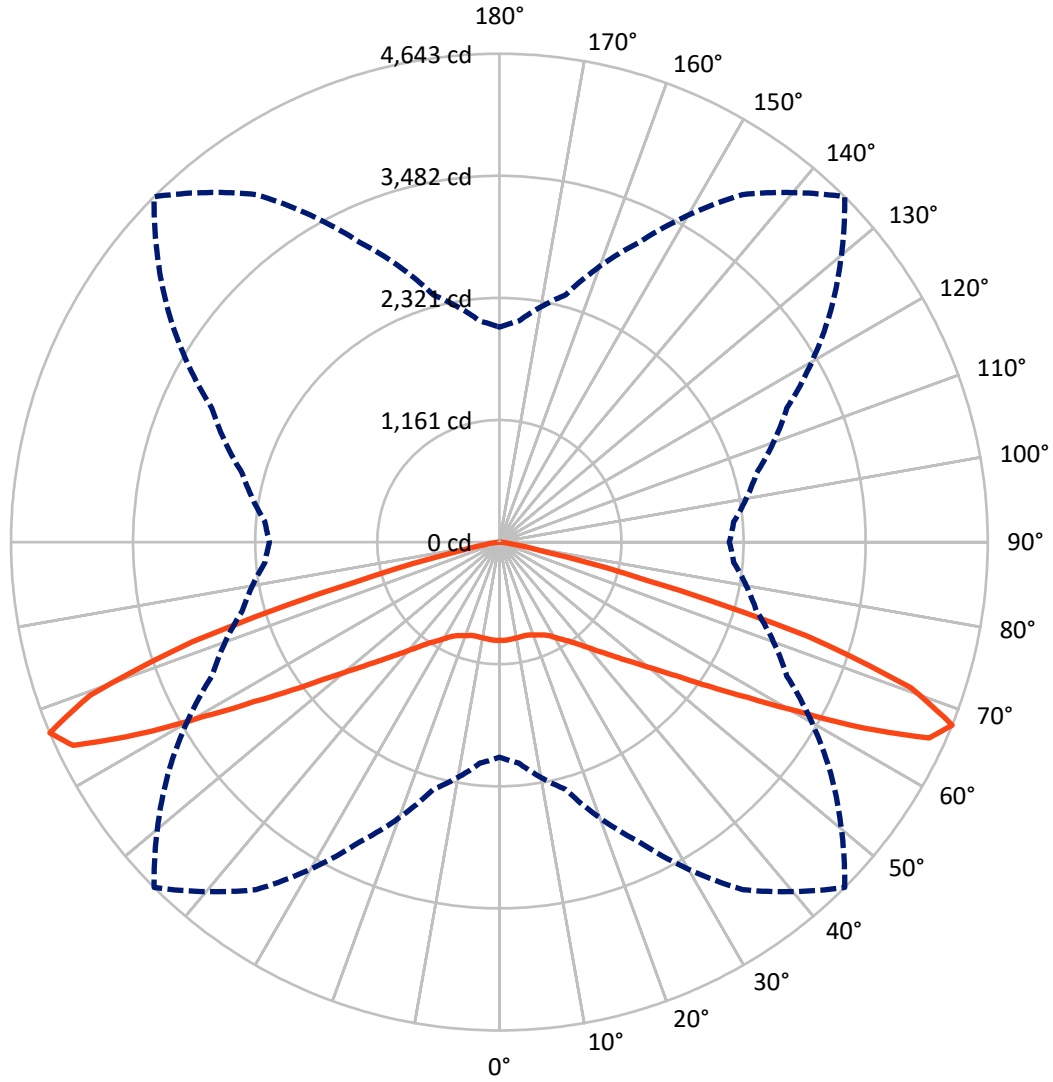
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4453.3	0.0	4453.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4453.3	0.0	4453.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8906.7	0.0	8906.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	1.0
10°-20°	259.3	2.9
20°-30°	447.2	5.0
30°-40°	727.2	8.2
40°-50°	1224.5	13.7
50°-60°	2169.6	24.4
60°-70°	3101.3	34.8
70°-80°	851.2	9.6
80°-90°	38.1	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°	8906.7	100.0
0°-180°	8906.7	100.0

Coefficient of Utilization



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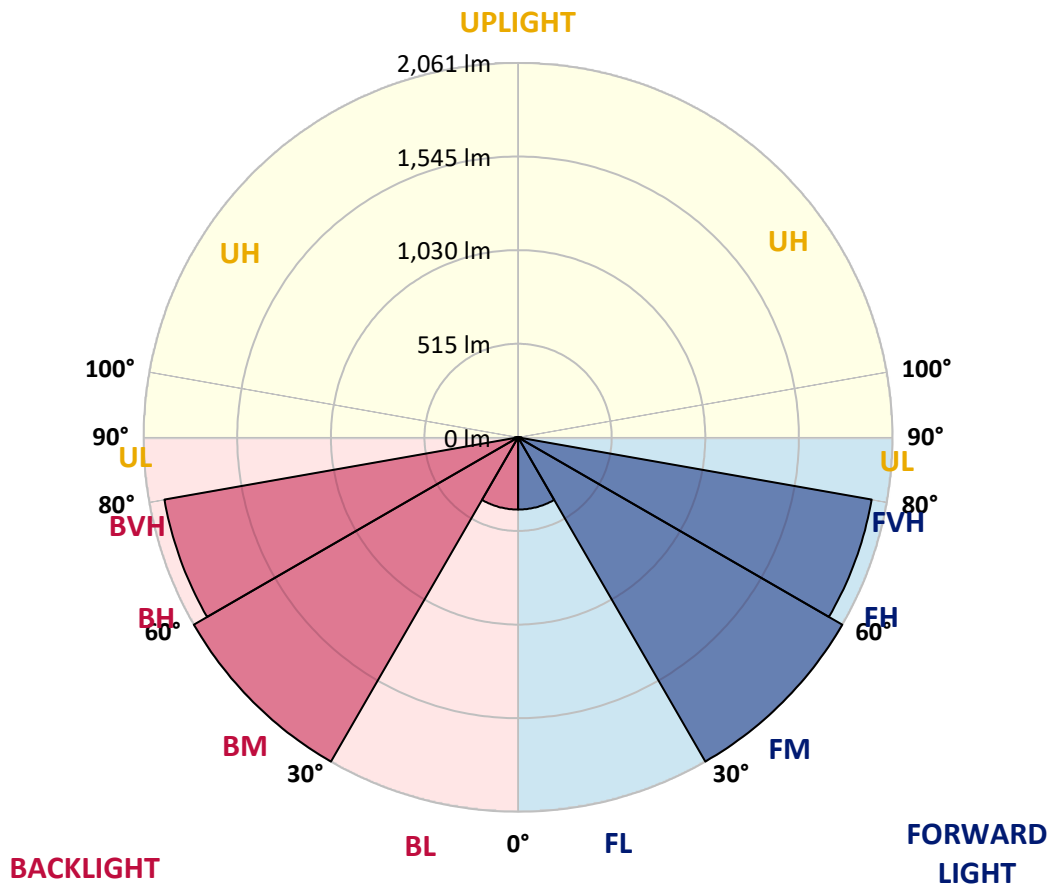
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.4	4.5			
FM (30°-60°)	2060.6	23.1			
FH (60°-80°)	1976.2	22.2			G2/5000
FVH (80°-90°)	19.1	0.2			G1/100
BL (0°-30°)	397.4	4.5	B1/500		
BM (30°-60°)	2060.6	23.1	B2/2500		
BH (60°-80°)	1976.2	22.2	B3/2500		G2/5000
BVH (80°-90°)	19.1	0.2			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°	932.8	932.8	932.8	932.8	932.8	932.8	932.8	932.8	932.8	932.8	932.8
2.5°	926.7	926.0	929.1	931.0	930.4	934.7	934.1	932.8	932.8	931.0	935.9
5°	926.7	926.0	928.5	929.1	927.9	931.6	930.4	929.1	929.1	926.7	931.0
7.5°	921.7	922.3	924.2	925.4	924.2	927.3	925.4	923.0	922.3	919.9	924.2
10°	912.5	913.1	914.9	918.0	918.6	924.2	921.1	916.8	914.9	912.5	916.8
12.5°	906.9	907.5	909.4	913.1	914.3	921.7	918.6	911.9	908.8	906.3	910.6
15°	905.7	906.3	908.8	912.5	914.3	921.7	918.6	910.6	906.3	903.2	906.9
17.5°	905.7	906.9	910.6	916.2	919.9	927.3	923.6	914.3	908.2	902.6	906.3
20°	906.3	908.2	913.7	921.7	931.0	941.5	936.5	924.2	915.6	908.8	911.2
22.5°	911.9	914.9	921.7	932.2	945.8	958.1	953.8	937.1	924.8	915.6	918.0
25°	931.0	932.2	940.8	954.4	967.3	977.8	973.5	958.1	942.7	931.6	934.7
27.5°	964.9	968.0	975.4	989.5	1000.6	1006.2	1005.6	995.1	979.7	969.8	972.3
30°	1005.6	1008.7	1018.5	1034.5	1045.6	1051.8	1050.0	1041.9	1027.8	1014.2	1016.7
32.5°	1053.0	1054.3	1066.0	1083.9	1095.6	1104.8	1098.7	1090.0	1072.2	1056.1	1057.4
35°	1113.5	1115.3	1127.6	1144.3	1153.5	1160.9	1159.7	1151.1	1132.0	1114.7	1119.0
37.5°	1189.3	1190.5	1201.6	1222.6	1230.0	1235.5	1236.8	1232.5	1212.7	1190.5	1194.8
40°	1283.6	1284.2	1296.6	1315.1	1323.1	1326.8	1327.4	1328.0	1307.7	1291.0	1289.8
42.5°	1393.4	1396.5	1413.7	1431.6	1435.3	1433.4	1439.6	1445.8	1426.0	1403.2	1405.1
45°	1524.7	1526.5	1550.0	1569.7	1562.9	1556.8	1568.5	1580.8	1562.9	1533.3	1524.7
47.5°	1680.1	1683.8	1709.0	1728.8	1717.7	1706.6	1725.7	1738.6	1709.7	1678.2	1670.2
50°	1855.8	1858.2	1894.0	1918.7	1905.7	1885.4	1909.4	1923.0	1884.1	1845.3	1828.0
52.5°	2063.5	2058.6	2106.1	2149.2	2141.2	2114.7	2134.4	2136.9	2079.0	2024.1	2006.8
55°	2316.9	2312.0	2359.5	2407.0	2426.7	2419.9	2410.7	2395.9	2310.2	2251.6	2235.6
57.5°	2612.3	2596.9	2663.4	2727.6	2770.7	2783.0	2743.6	2709.1	2641.2	2569.1	2550.6
60°	2886.6	2886.0	2991.4	3102.4	3220.8	3270.1	3170.2	3076.5	2924.2	2792.9	2766.4
62.5°	2963.7	2976.6	3149.3	3424.2	3716.5	3891.0	3627.7	3317.6	3023.5	2825.6	2790.4
65°	2773.8	2805.9	3051.2	3485.3	4062.4	4489.0	3894.7	3323.1	2913.1	2666.5	2629.5
67.5°	2044.4	2108.6	2433.5	3145.0	4032.8	4642.5	3847.2	3015.5	2530.3	2236.8	2185.6
70°	1008.7	1069.7	1327.4	2069.1	3318.2	4149.9	3328.7	2272.6	1709.0	1426.7	1379.8
72.5°	371.2	395.8	496.9	885.3	1831.1	3065.4	2276.3	1269.4	828.0	659.1	627.6
75°	181.9	186.2	201.6	297.2	675.7	1442.7	1069.7	487.1	304.6	265.1	256.5
77.5°	115.9	117.8	125.2	141.8	217.0	454.4	324.3	192.4	149.2	143.0	143.0
80°	64.7	66.6	76.5	88.2	101.7	156.0	116.5	115.3	98.0	85.7	83.8
82.5°	30.8	33.9	48.7	48.1	53.6	78.3	68.4	62.3	62.9	47.5	45.0
85°	14.2	14.2	19.1	22.8	24.0	26.5	31.4	35.8	35.1	24.0	25.9
87.5°	6.8	6.8	6.8	6.2	5.5	4.9	6.8	11.1	16.0	11.1	10.5
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)