

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: P633010

Luminaire Tested: GWS-SA2D-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633010
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-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9605.5 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

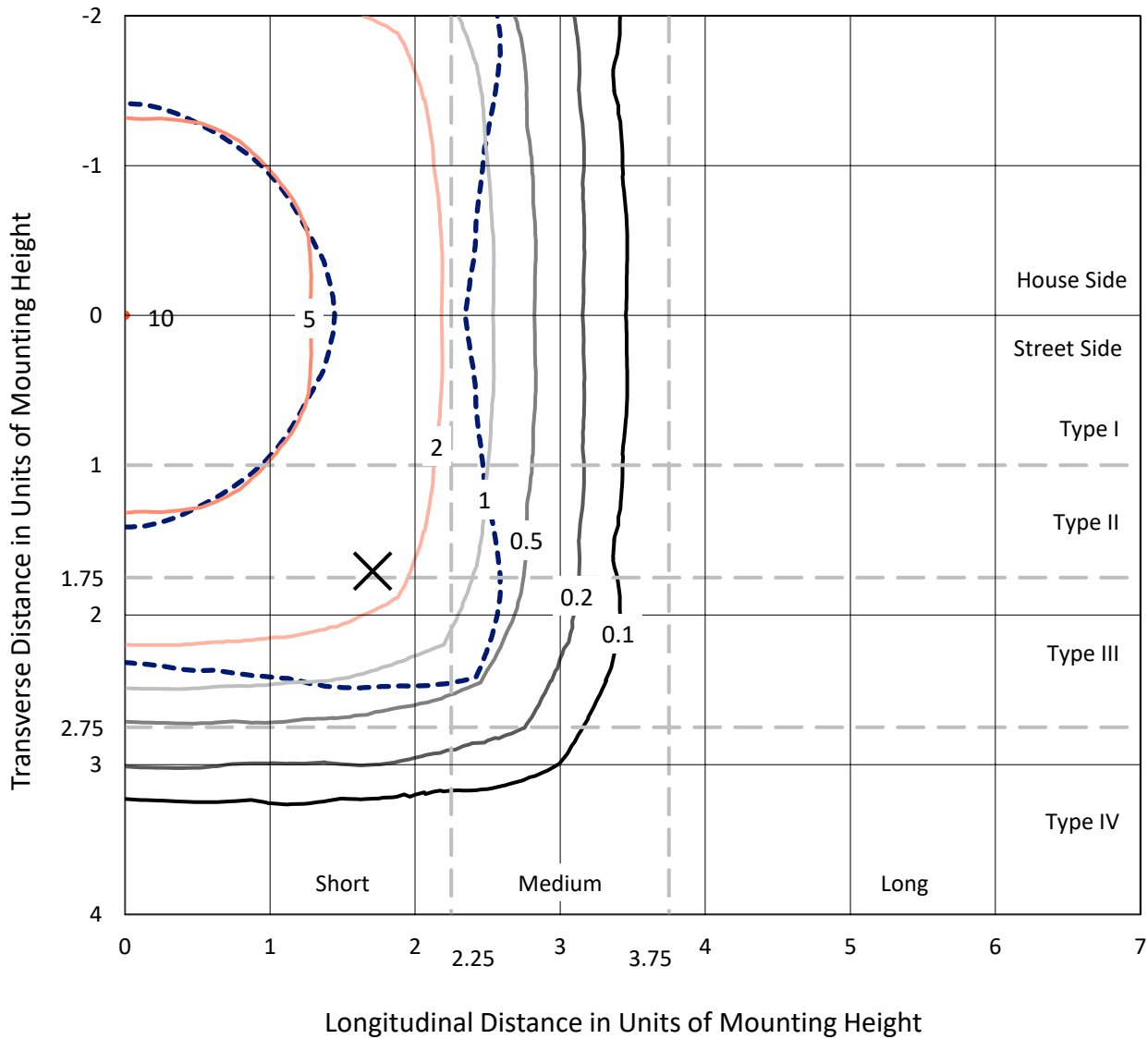
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

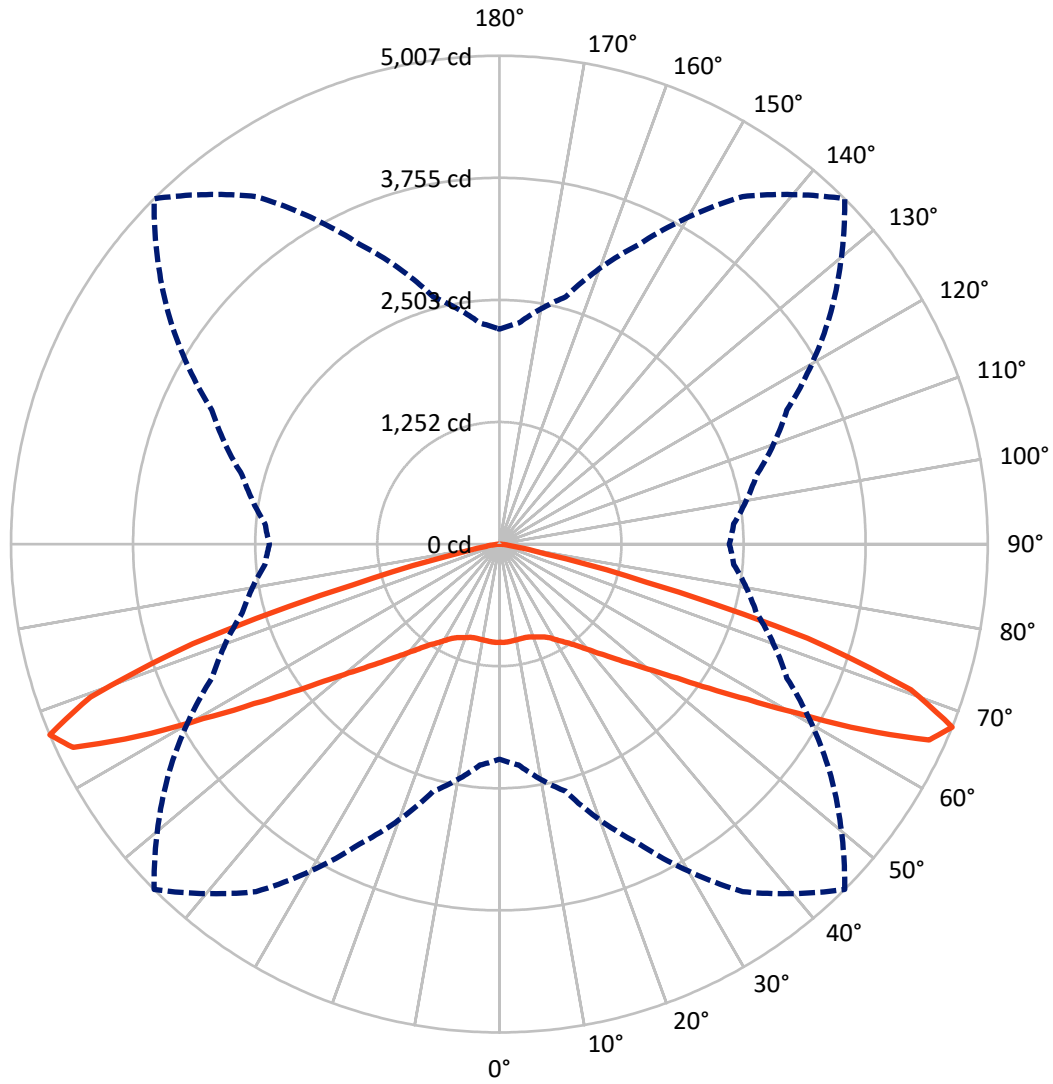
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 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	4802.7	0.0	4802.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4802.7	0.0	4802.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9605.5	0.0	9605.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	1.0
10°-20°	279.7	2.9
20°-30°	482.3	5.0
30°-40°	784.3	8.2
40°-50°	1320.6	13.7
50°-60°	2339.8	24.4
60°-70°	3344.6	34.8
70°-80°	917.9	9.6
80°-90°	41.1	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°	9605.5	100.0
0°-180°	9605.5	100.0

Coefficient of Utilization



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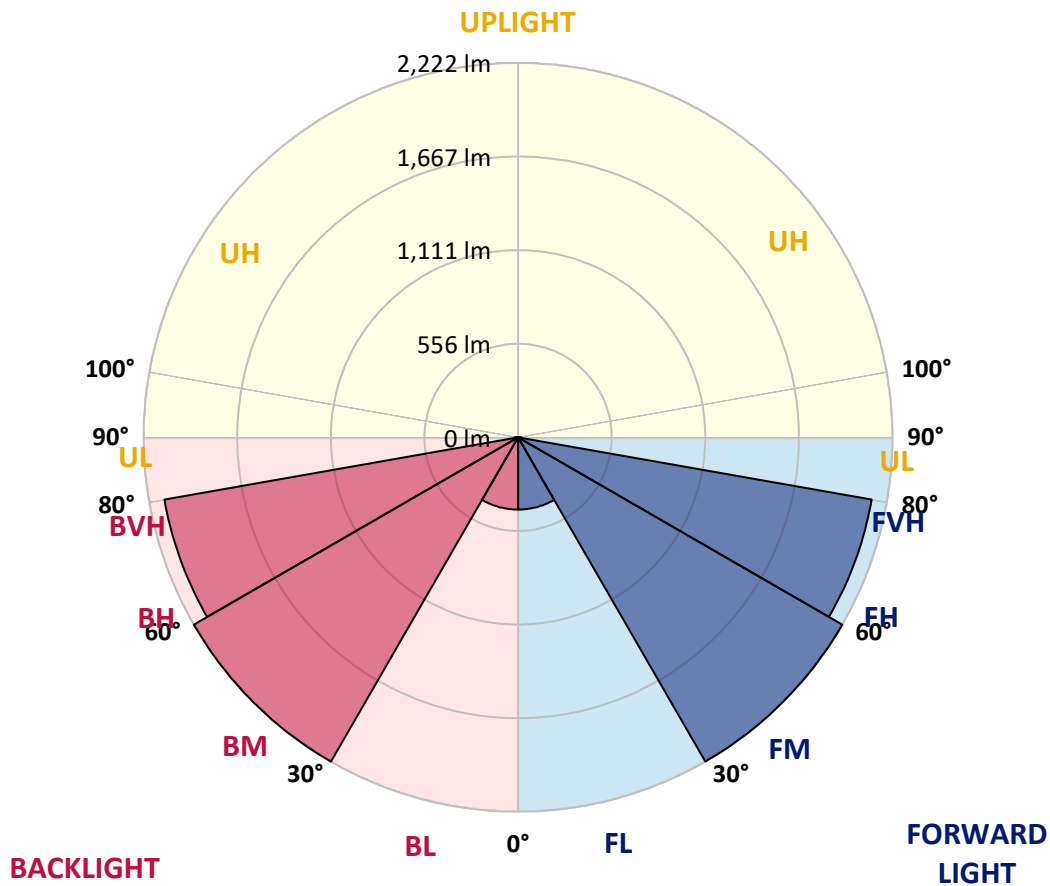
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.6	4.5			
FM (30°-60°)	2222.3	23.1			
FH (60°-80°)	2131.3	22.2			G2/5000
FVH (80°-90°)	20.6	0.2			G1/100
BL (0°-30°)	428.6	4.5	B1/500		
BM (30°-60°)	2222.3	23.1	B2/2500		
BH (60°-80°)	2131.3	22.2	B3/2500		G2/5000
BVH (80°-90°)	20.6	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°	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	999.4	998.7	1002.0	1004.0	1003.3	1008.0	1007.3	1006.0	1006.0	1004.0	1009.3
5°	999.4	998.7	1001.4	1002.0	1000.7	1004.7	1003.3	1002.0	1002.0	999.4	1004.0
7.5°	994.0	994.7	996.7	998.0	996.7	1000.0	998.0	995.4	994.7	992.0	996.7
10°	984.1	984.7	986.7	990.0	990.7	996.7	993.4	988.7	986.7	984.1	988.7
12.5°	978.1	978.7	980.7	984.7	986.1	994.0	990.7	983.4	980.1	977.4	982.1
15°	976.8	977.4	980.1	984.1	986.1	994.0	990.7	982.1	977.4	974.1	978.1
17.5°	976.8	978.1	982.1	988.1	992.0	1000.0	996.0	986.1	979.4	973.4	977.4
20°	977.4	979.4	985.4	994.0	1004.0	1015.3	1010.0	996.7	987.4	980.1	982.7
22.5°	983.4	986.7	994.0	1005.3	1020.0	1033.3	1028.6	1010.7	997.4	987.4	990.0
25°	1004.0	1005.3	1014.7	1029.3	1043.2	1054.5	1049.9	1033.3	1016.6	1004.7	1008.0
27.5°	1040.6	1043.9	1051.9	1067.2	1079.1	1085.1	1084.5	1073.2	1056.5	1045.9	1048.6
30°	1084.5	1087.8	1098.4	1115.7	1127.7	1134.3	1132.3	1123.7	1108.4	1093.8	1096.4
32.5°	1135.7	1137.0	1149.6	1168.9	1181.5	1191.5	1184.9	1175.6	1156.3	1139.0	1140.3
35°	1200.8	1202.8	1216.1	1234.1	1244.0	1252.0	1250.7	1241.4	1220.8	1202.2	1206.8
37.5°	1282.6	1283.9	1295.9	1318.5	1326.5	1332.5	1333.8	1329.2	1307.9	1283.9	1288.6
40°	1384.3	1385.0	1398.3	1418.3	1426.9	1430.9	1431.5	1432.2	1410.3	1392.3	1391.0
42.5°	1502.7	1506.0	1524.6	1543.9	1547.9	1545.9	1552.6	1559.2	1537.9	1513.3	1515.3
45°	1644.3	1646.3	1671.6	1692.9	1685.5	1678.9	1691.5	1704.8	1685.5	1653.6	1644.3
47.5°	1811.9	1815.9	1843.1	1864.4	1852.4	1840.5	1861.1	1875.0	1843.8	1809.9	1801.2
50°	2001.4	2004.0	2042.6	2069.2	2055.2	2033.3	2059.2	2073.9	2032.0	1990.1	1971.5
52.5°	2225.4	2220.1	2271.3	2317.9	2309.2	2280.6	2301.9	2304.6	2242.1	2182.9	2164.3
55°	2498.7	2493.4	2544.6	2595.8	2617.1	2609.8	2599.8	2583.8	2491.4	2428.2	2411.0
57.5°	2817.2	2800.6	2872.4	2941.6	2988.1	3001.4	2958.8	2921.6	2848.5	2770.7	2750.7
60°	3113.1	3112.4	3226.1	3345.8	3473.5	3526.7	3419.0	3317.9	3153.7	3012.0	2983.4
62.5°	3196.2	3210.2	3396.4	3692.9	4008.1	4196.2	3912.3	3577.9	3260.7	3047.3	3009.4
65°	2991.4	3026.0	3290.6	3758.7	4381.1	4841.2	4200.2	3583.9	3141.7	2875.7	2835.8
67.5°	2204.8	2274.0	2624.4	3391.7	4349.2	5006.8	4149.0	3252.1	2728.8	2412.3	2357.1
70°	1087.8	1153.6	1431.5	2231.4	3578.5	4475.5	3589.8	2450.9	1843.1	1538.6	1488.1
72.5°	400.3	426.9	535.9	954.8	1974.8	3305.9	2454.8	1369.0	893.0	710.8	676.9
75°	196.1	200.8	217.4	320.5	728.7	1555.9	1153.6	525.3	328.5	285.9	276.6
77.5°	125.0	127.0	135.0	152.9	234.0	490.0	349.7	207.5	160.9	154.3	154.3
80°	69.8	71.8	82.4	95.1	109.7	168.2	125.7	124.3	105.7	92.4	90.4
82.5°	33.2	36.6	52.5	51.9	57.8	84.4	73.8	67.2	67.8	51.2	48.5
85°	15.3	15.3	20.6	24.6	25.9	28.6	33.9	38.6	37.9	25.9	27.9
87.5°	7.3	7.3	7.3	6.6	6.0	5.3	7.3	12.0	17.3	12.0	11.3
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)