

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: P630095

Luminaire Tested: GWS-SA1D-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630095
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-SA1D-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4625.5 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

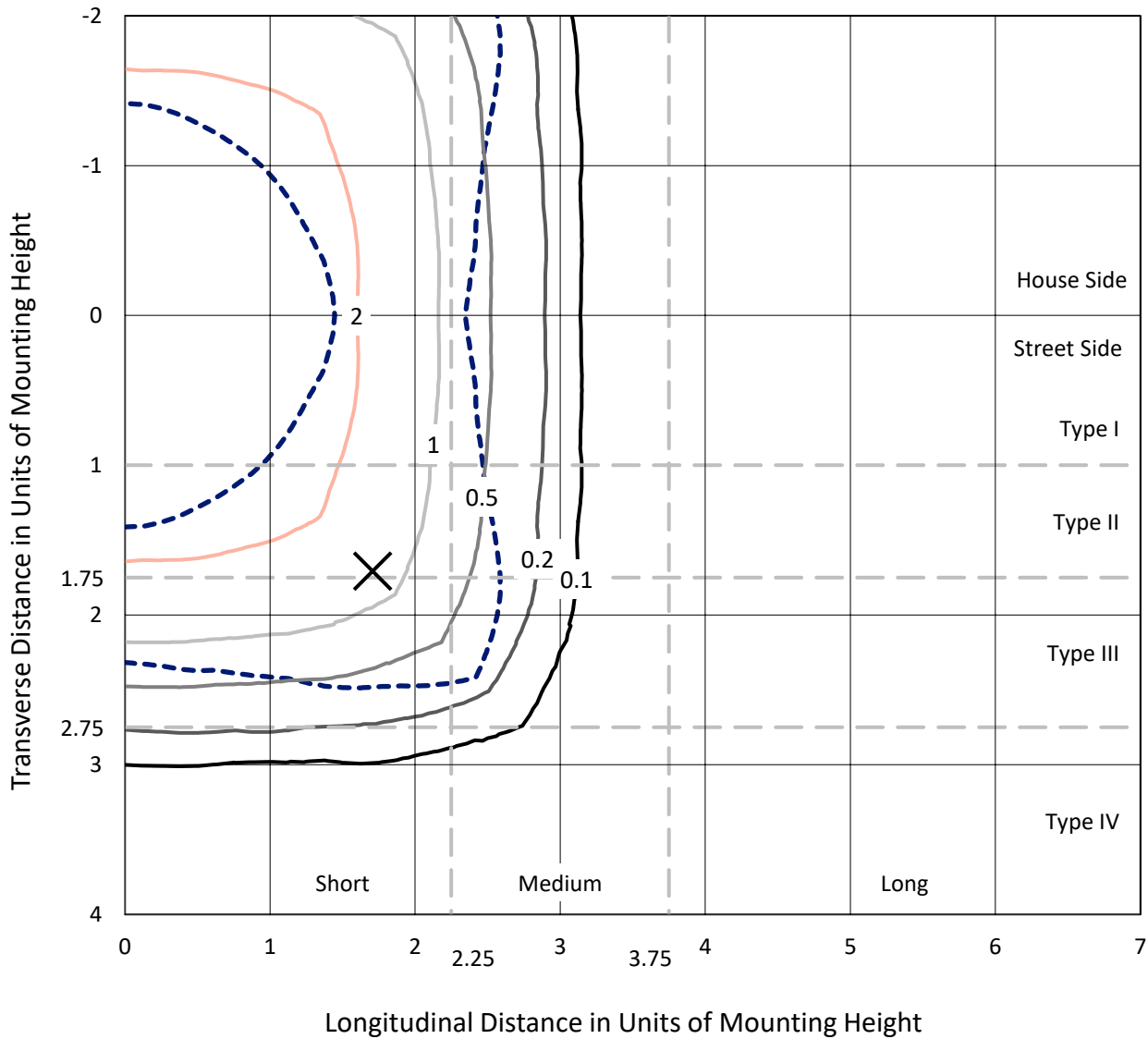
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

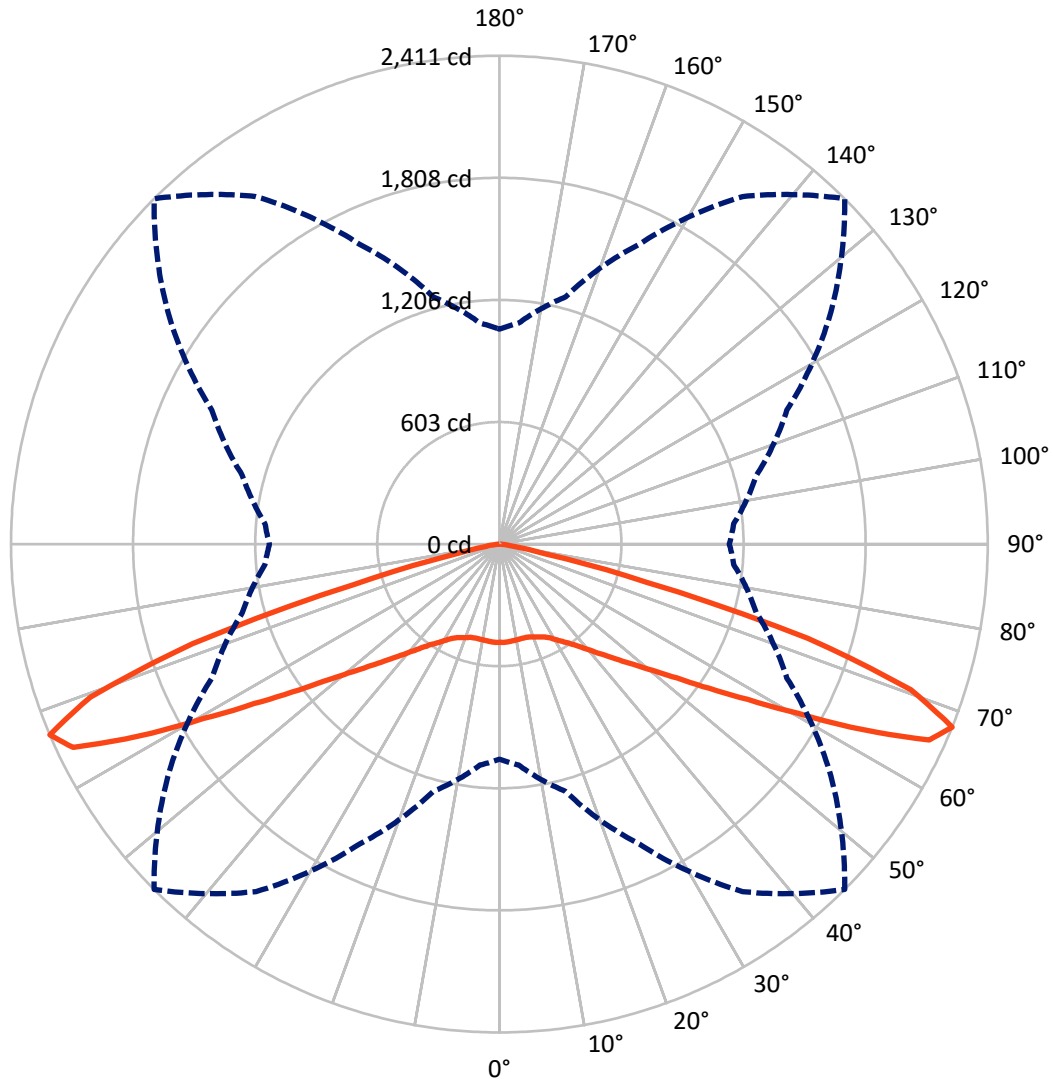
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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
House Side	Lumens	2312.8	0.0	2312.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2312.8	0.0	2312.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4625.5	0.0	4625.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.0
10°-20°	134.7	2.9
20°-30°	232.3	5.0
30°-40°	377.7	8.2
40°-50°	635.9	13.7
50°-60°	1126.7	24.4
60°-70°	1610.6	34.8
70°-80°	442.0	9.6
80°-90°	19.8	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°	4625.5	100.0
0°-180°	4625.5	100.0

Coefficient of Utilization



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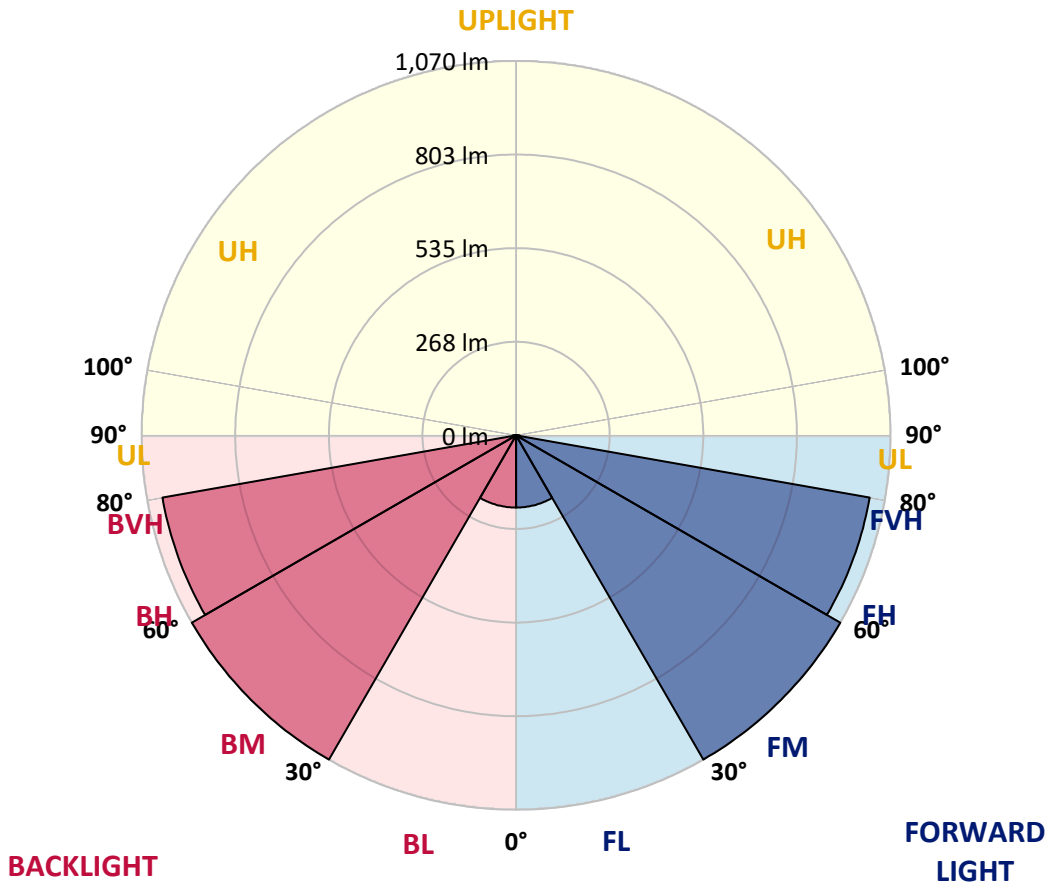
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.4	4.5			
FM (30°-60°)	1070.2	23.1			
FH (60°-80°)	1026.3	22.2			G1/1800
FVH (80°-90°)	9.9	0.2			G0/10
BL (0°-30°)	206.4	4.5	B1/500		
BM (30°-60°)	1070.2	23.1	B2/2500		
BH (60°-80°)	1026.3	22.2	B3/2500		G1/1800
BVH (80°-90°)	9.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4
2.5°	481.2	480.9	482.5	483.5	483.2	485.4	485.1	484.4	484.4	483.5	486.0
5°	481.2	480.9	482.2	482.5	481.9	483.8	483.2	482.5	482.5	481.2	483.5
7.5°	478.7	479.0	480.0	480.6	480.0	481.6	480.6	479.3	479.0	477.7	480.0
10°	473.9	474.2	475.2	476.8	477.1	480.0	478.4	476.1	475.2	473.9	476.1
12.5°	471.0	471.3	472.3	474.2	474.8	478.7	477.1	473.6	472.0	470.7	472.9
15°	470.4	470.7	472.0	473.9	474.8	478.7	477.1	472.9	470.7	469.1	471.0
17.5°	470.4	471.0	472.9	475.8	477.7	481.6	479.6	474.8	471.6	468.8	470.7
20°	470.7	471.6	474.5	478.7	483.5	488.9	486.4	480.0	475.5	472.0	473.2
22.5°	473.6	475.2	478.7	484.1	491.2	497.6	495.3	486.7	480.3	475.5	476.8
25°	483.5	484.1	488.6	495.6	502.4	507.8	505.6	497.6	489.6	483.8	485.4
27.5°	501.1	502.7	506.5	513.9	519.7	522.5	522.2	516.8	508.8	503.7	504.9
30°	522.2	523.8	528.9	537.3	543.0	546.2	545.3	541.1	533.7	526.7	528.0
32.5°	546.9	547.5	553.6	562.9	569.0	573.8	570.6	566.1	556.8	548.5	549.1
35°	578.3	579.2	585.6	594.3	599.1	602.9	602.3	597.8	587.9	578.9	581.1
37.5°	617.6	618.3	624.0	634.9	638.8	641.7	642.3	640.0	629.8	618.3	620.5
40°	666.6	666.9	673.3	683.0	687.1	689.0	689.4	689.7	679.1	670.5	669.8
42.5°	723.6	725.2	734.2	743.5	745.4	744.4	747.6	750.8	740.6	728.7	729.7
45°	791.8	792.8	804.9	815.2	811.7	808.5	814.6	821.0	811.7	796.3	791.8
47.5°	872.5	874.4	887.6	897.8	892.0	886.3	896.2	902.9	887.9	871.5	867.4
50°	963.8	965.0	983.6	996.4	989.7	979.1	991.6	998.7	978.5	958.3	949.3
52.5°	1071.7	1069.1	1093.8	1116.2	1112.0	1098.2	1108.5	1109.8	1079.7	1051.2	1042.2
55°	1203.3	1200.7	1225.3	1250.0	1260.2	1256.7	1251.9	1244.2	1199.7	1169.3	1161.0
57.5°	1356.6	1348.6	1383.2	1416.5	1438.9	1445.3	1424.8	1406.9	1371.7	1334.2	1324.6
60°	1499.1	1498.8	1553.5	1611.2	1672.6	1698.3	1646.4	1597.7	1518.6	1450.4	1436.7
62.5°	1539.1	1545.9	1635.5	1778.3	1930.1	2020.7	1884.0	1722.9	1570.2	1467.4	1449.2
65°	1440.5	1457.2	1584.6	1810.0	2109.7	2331.3	2022.6	1725.8	1512.9	1384.8	1365.6
67.5°	1061.7	1095.0	1263.8	1633.3	2094.3	2411.0	1998.0	1566.0	1314.0	1161.6	1135.1
70°	523.8	555.5	689.4	1074.5	1723.2	2155.2	1728.7	1180.2	887.6	740.9	716.6
72.5°	192.8	205.6	258.1	459.8	950.9	1592.0	1182.1	659.3	430.0	342.3	325.9
75°	94.5	96.7	104.7	154.3	350.9	749.2	555.5	252.9	158.2	137.7	133.2
77.5°	60.2	61.2	65.0	73.6	112.7	236.0	168.4	99.9	77.5	74.3	74.3
80°	33.6	34.6	39.7	45.8	52.8	81.0	60.5	59.9	50.9	44.5	43.5
82.5°	16.0	17.6	25.3	25.0	27.9	40.7	35.5	32.3	32.7	24.7	23.4
85°	7.4	7.4	9.9	11.8	12.5	13.8	16.3	18.6	18.3	12.5	13.4
87.5°	3.5	3.5	3.5	3.2	2.9	2.6	3.5	5.8	8.3	5.8	5.4
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)