

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: P629608

Luminaire Tested: GWS-SA1C-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629608
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-SA1C-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3589.3 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

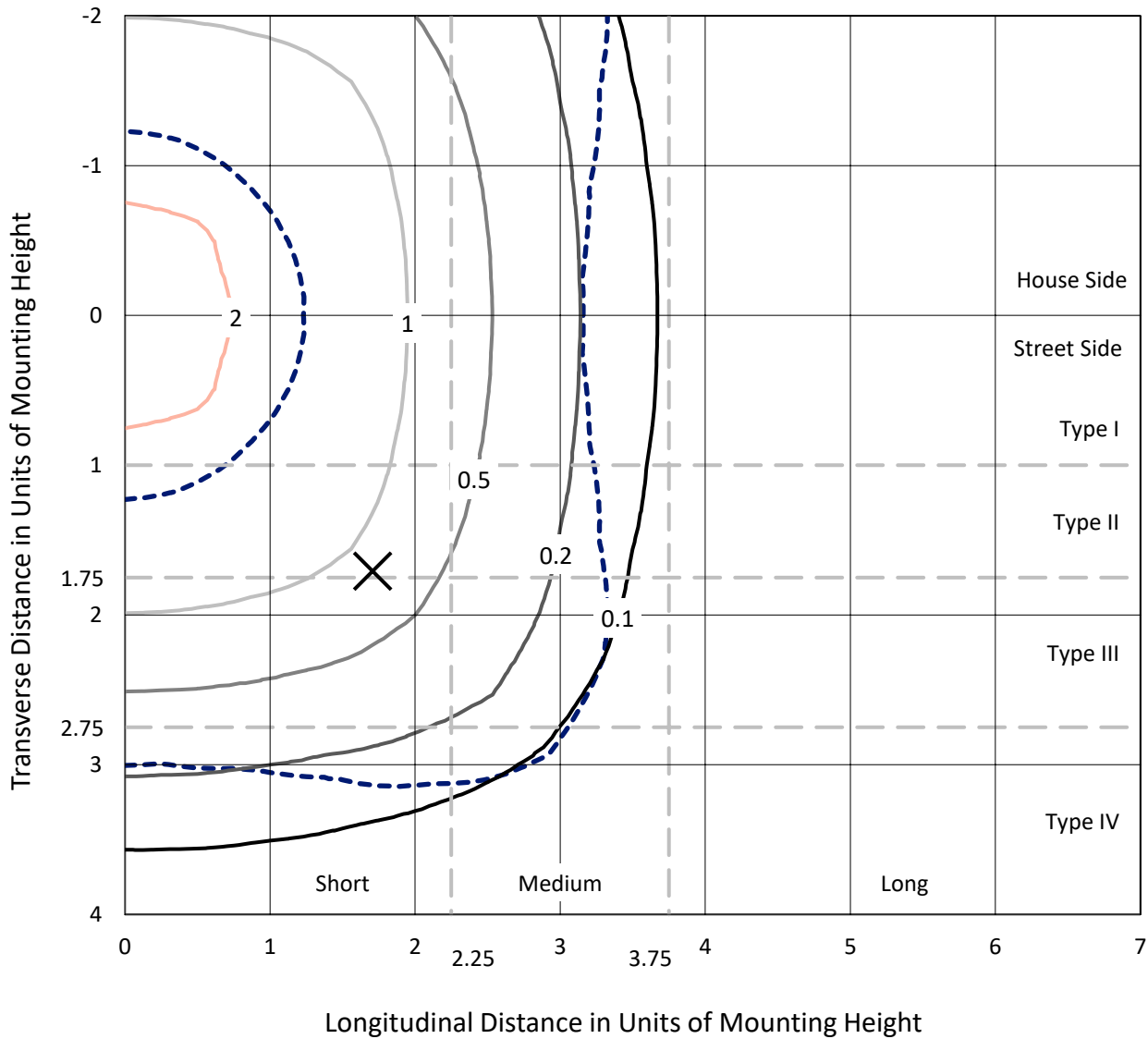
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

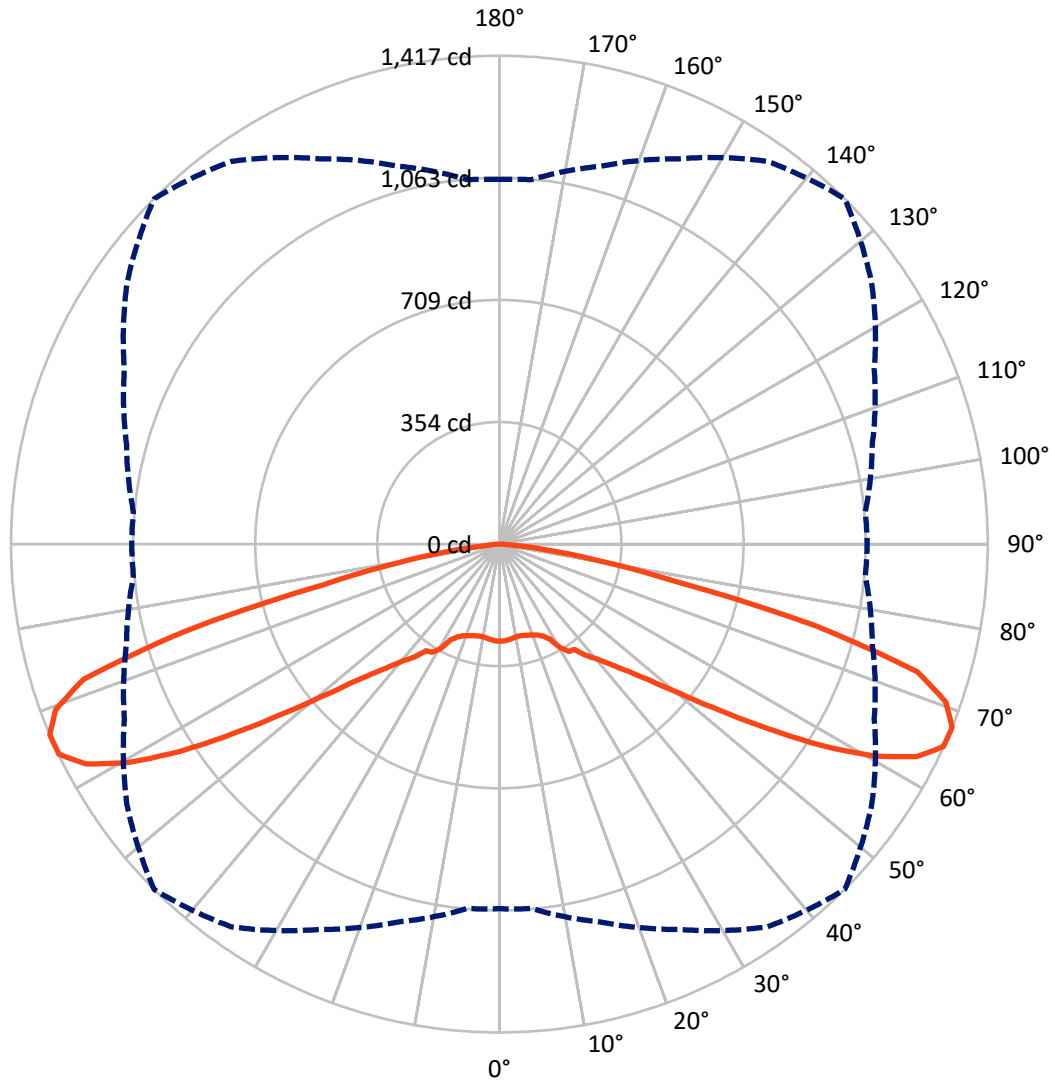
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 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	1794.7	0.0	1794.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1794.7	0.0	1794.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3589.3	0.0	3589.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	0.7
10°-20°	78.4	2.2
20°-30°	140.7	3.9
30°-40°	237.7	6.6
40°-50°	417.6	11.6
50°-60°	805.5	22.4
60°-70°	1168.7	32.6
70°-80°	668.7	18.6
80°-90°	45.7	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°	3589.3	100.0
0°-180°	3589.3	100.0

Coefficient of Utilization



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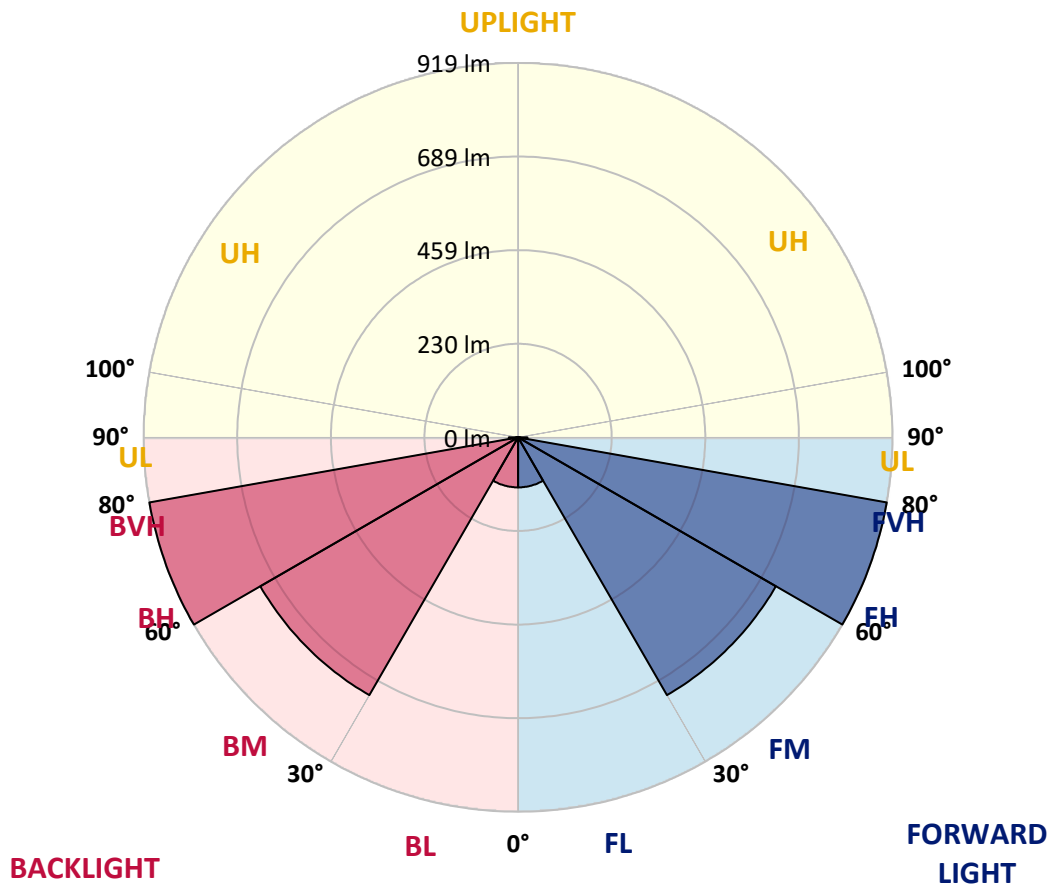
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.8	3.4			
FM (30°-60°)	730.4	20.3			
FH (60°-80°)	918.7	25.6			G1/1800
FVH (80°-90°)	22.8	0.6			G1/100
BL (0°-30°)	122.8	3.4	B1/500		
BM (30°-60°)	730.4	20.3	B1/1000		
BH (60°-80°)	918.7	25.6	B2/1000		G1/1800
BVH (80°-90°)	22.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	281.5	281.5	281.5	281.5	281.5	281.5	281.5	281.5	281.5	281.5	281.5
2.5°	279.2	279.4	280.0	280.0	280.5	281.2	281.5	281.0	281.2	280.0	281.2
5°	278.4	278.7	278.9	278.4	278.4	278.7	278.7	278.2	278.4	277.2	278.4
7.5°	276.7	276.9	276.9	276.1	275.4	275.9	275.9	275.4	275.6	274.4	275.9
10°	275.1	275.1	274.9	273.4	272.6	273.4	273.6	273.9	274.9	273.9	275.6
12.5°	276.1	276.1	275.4	273.4	272.1	272.6	273.1	273.6	275.4	275.1	277.2
15°	278.9	279.2	277.2	274.9	274.1	274.9	274.4	274.1	276.4	277.2	279.4
17.5°	281.2	281.2	278.7	276.4	276.7	277.9	276.9	275.6	277.9	279.4	282.0
20°	283.3	283.0	280.2	278.7	279.7	281.5	280.7	278.9	280.5	282.2	284.5
22.5°	288.3	288.1	285.0	284.3	285.3	287.1	286.3	284.8	286.6	289.1	291.9
25°	302.8	302.3	297.7	295.2	294.7	295.9	295.7	295.2	298.0	301.0	304.3
27.5°	322.1	321.8	318.5	316.0	312.7	311.7	312.4	314.7	318.8	321.1	323.9
30°	331.7	331.7	331.2	335.3	342.4	349.2	343.9	335.3	331.7	330.7	333.5
32.5°	344.4	345.7	343.9	348.5	360.4	370.6	360.4	346.4	343.9	343.9	347.0
35°	373.6	374.1	371.3	370.6	374.4	375.6	370.8	365.7	368.5	369.0	372.8
37.5°	397.0	397.0	395.7	397.7	405.6	410.4	402.5	393.4	394.2	394.7	399.5
40°	433.0	434.0	431.0	430.7	433.8	438.1	429.7	423.9	427.9	429.2	436.6
42.5°	477.9	477.9	473.4	472.1	474.1	478.7	470.8	467.0	472.3	473.4	477.7
45°	531.5	532.7	526.7	524.4	525.4	526.9	521.3	519.5	524.6	526.9	534.5
47.5°	596.7	598.0	592.6	592.4	591.4	592.4	587.1	586.0	590.1	588.3	596.5
50°	677.2	679.4	674.9	681.2	680.5	683.5	676.1	670.8	670.8	666.0	670.6
52.5°	767.3	771.8	774.1	784.8	792.9	800.5	788.3	780.0	767.8	757.9	770.3
55°	865.5	864.2	878.7	902.0	925.9	943.9	920.1	893.7	873.9	853.3	858.1
57.5°	951.5	955.8	974.9	1017.5	1064.7	1102.8	1059.9	1009.1	964.2	934.8	938.8
60°	1023.1	1026.7	1052.0	1113.5	1195.9	1248.5	1180.5	1096.7	1031.5	990.9	995.2
62.5°	1089.1	1092.4	1118.0	1185.8	1289.9	1358.4	1270.6	1156.1	1083.5	1042.6	1045.2
65°	1127.2	1129.2	1164.2	1235.5	1345.2	1416.0	1317.0	1199.0	1127.7	1086.0	1087.6
67.5°	1057.9	1061.2	1135.0	1233.5	1355.8	1417.0	1319.0	1200.3	1120.1	1065.7	1067.0
70°	834.5	831.7	919.8	1089.1	1294.7	1374.4	1260.4	1110.2	986.3	910.4	909.1
72.5°	636.3	637.1	686.0	802.0	1055.6	1268.3	1112.2	893.9	760.4	702.8	700.5
75°	461.4	468.5	508.4	593.4	738.3	948.0	837.3	662.4	573.1	538.6	533.5
77.5°	207.9	217.0	272.6	372.6	493.7	523.9	525.9	449.7	339.3	282.0	273.1
80°	60.7	65.0	83.5	142.9	230.0	297.2	236.0	198.5	123.6	97.0	92.4
82.5°	25.6	29.2	35.8	39.6	66.8	137.8	85.8	54.6	50.8	41.1	37.6
85°	10.9	11.7	15.0	16.0	21.6	29.4	27.2	24.6	23.6	18.3	16.8
87.5°	4.6	4.6	4.6	4.1	3.8	4.1	5.6	7.1	9.4	7.4	6.9
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)