

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: P629143

Luminaire Tested: GWS-SA1B-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2619.2 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

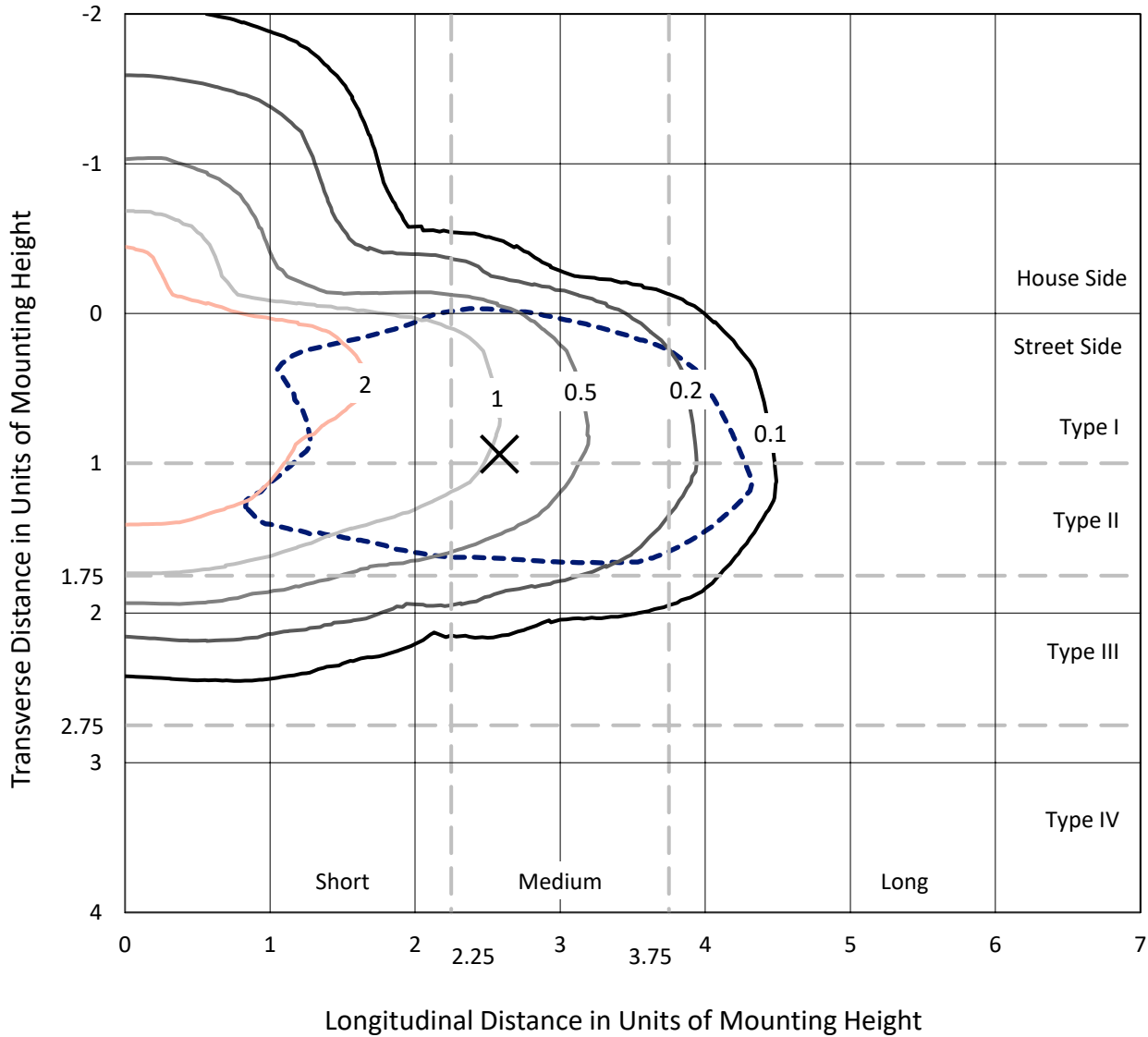
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

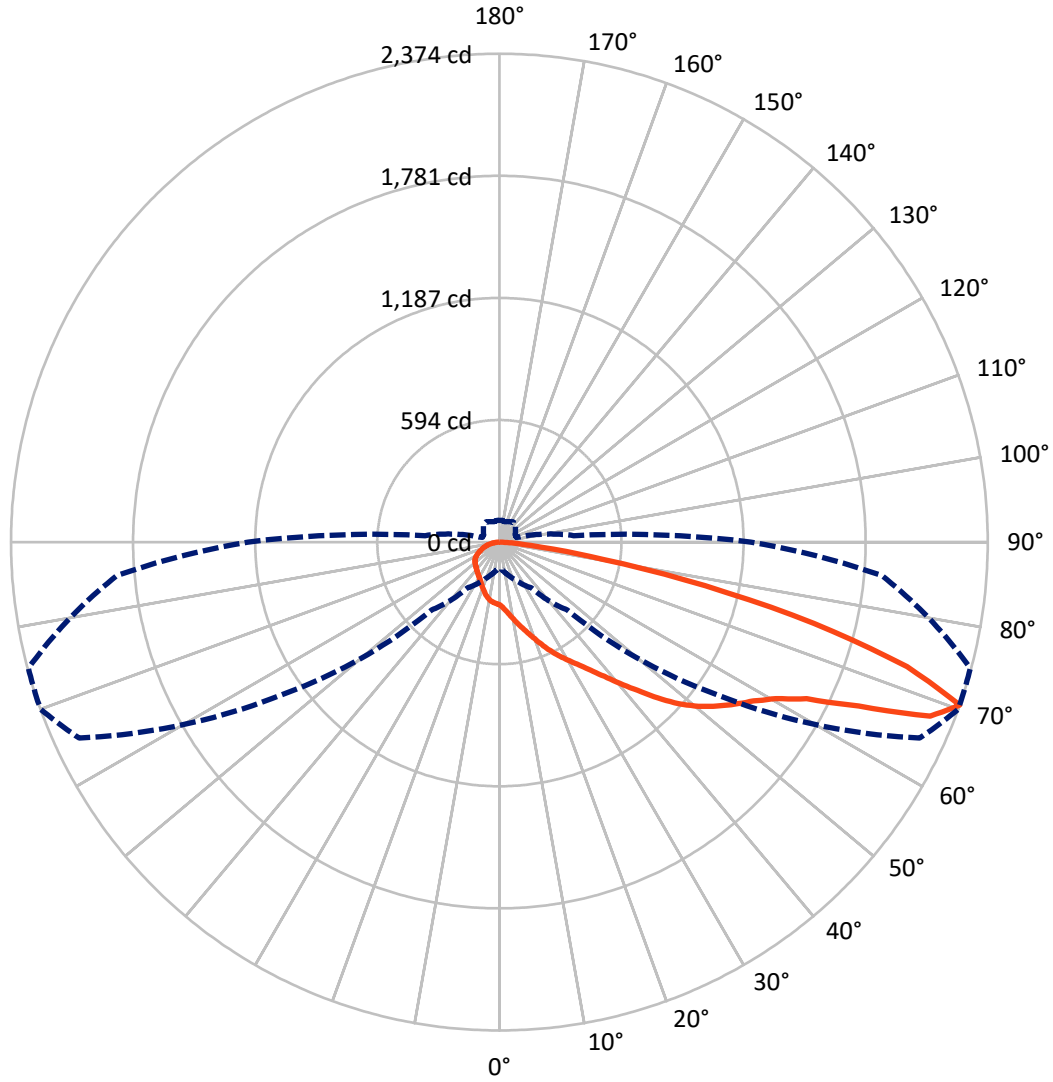
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.4	0.0	469.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	2149.8	0.0	2149.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	2619.2	0.0	2619.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	1.2
10°-20°	101.0	3.9
20°-30°	178.9	6.8
30°-40°	269.3	10.3
40°-50°	407.4	15.6
50°-60°	583.6	22.3
60°-70°	645.1	24.6
70°-80°	364.0	13.9
80°-90°	38.9	1.5
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°	2619.2	100.0
0°-180°	2619.2	100.0

Coefficient of Utilization



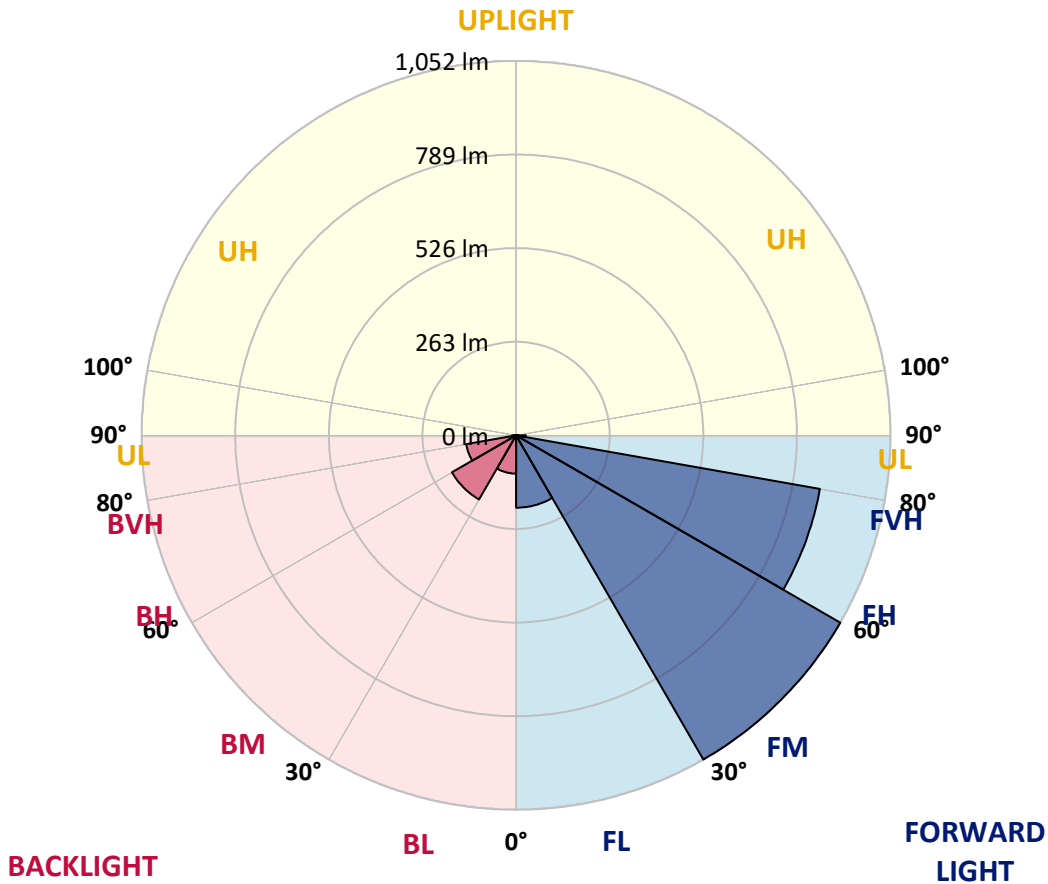
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.3	7.8			
FM (30°-60°)	1052.1	40.2			
FH (60°-80°)	866.8	33.1			G1/1800
FVH (80°-90°)	27.5	1.1			G1/100
BL (0°-30°)	107.6	4.1	B0/110		
BM (30°-60°)	208.1	7.9	B0/220		
BH (60°-80°)	142.3	5.4	B1/500		G1/500
BVH (80°-90°)	11.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5
2.5°	338.4	337.8	338.2	337.8	335.7	330.6	326.5	321.2	317.6	315.5	310.6
5°	378.1	377.6	376.2	374.3	370.6	363.6	353.1	341.6	334.6	329.3	318.9
7.5°	406.7	406.7	406.5	404.2	401.6	394.2	381.9	366.8	356.6	347.5	330.4
10°	421.3	422.2	423.5	426.8	426.2	422.2	410.7	394.4	381.5	370.9	345.6
12.5°	429.2	429.8	432.1	438.7	445.5	446.4	439.6	422.6	408.6	394.4	362.4
15°	439.4	439.6	442.7	450.6	460.6	470.7	469.0	451.9	437.6	421.8	381.2
17.5°	447.4	448.7	454.2	463.5	476.0	489.8	498.1	487.5	469.7	451.7	401.6
20°	450.2	451.2	458.4	472.6	489.6	509.1	527.6	524.8	506.8	485.6	424.7
22.5°	460.5	460.5	465.7	477.7	497.7	526.1	556.2	563.6	547.7	522.9	449.5
25°	483.0	482.2	484.7	489.6	504.7	539.7	584.4	606.6	588.8	560.9	474.3
27.5°	513.8	513.4	513.3	514.0	519.1	551.7	608.3	646.7	628.9	597.5	496.4
30°	547.3	546.2	548.6	546.4	545.2	565.9	628.5	682.6	668.8	633.6	514.8
32.5°	592.9	590.8	590.3	582.9	578.4	588.0	644.8	723.5	712.5	672.6	535.4
35°	653.1	651.2	641.6	629.8	616.4	620.9	665.0	763.4	764.2	721.4	562.5
37.5°	713.9	714.2	706.7	679.0	665.2	662.6	695.9	812.1	828.4	779.7	597.5
40°	764.4	766.7	766.7	737.5	716.9	714.4	739.2	869.8	902.2	851.3	641.8
42.5°	802.8	804.9	811.5	790.5	768.7	777.3	791.8	927.7	985.8	939.6	697.8
45°	845.0	846.7	850.3	838.2	825.5	848.2	851.4	997.0	1081.6	1038.8	762.9
47.5°	901.0	899.5	899.9	891.0	881.2	917.9	917.1	1055.3	1174.1	1147.4	833.5
50°	970.7	973.5	970.9	953.3	941.7	975.2	979.6	1119.8	1255.5	1254.9	904.6
52.5°	1037.7	1038.8	1052.8	1053.6	1029.9	1022.9	1034.3	1184.9	1324.2	1353.3	972.9
55°	1041.1	1045.4	1087.4	1117.7	1156.0	1099.7	1089.5	1247.0	1390.6	1449.7	1043.9
57.5°	968.6	975.6	1046.9	1112.2	1218.6	1231.7	1184.2	1327.2	1457.1	1544.5	1126.1
60°	813.8	828.4	925.3	1025.2	1190.4	1326.5	1377.8	1436.2	1544.3	1641.4	1225.8
62.5°	519.7	525.4	661.2	828.5	1063.4	1317.2	1588.6	1628.3	1677.2	1767.6	1379.5
65°	260.2	278.4	358.1	494.5	766.8	1160.7	1695.1	1980.1	1920.3	1983.7	1628.5
67.5°	176.6	182.4	222.7	297.1	449.7	822.3	1629.1	2276.5	2258.9	2269.3	1894.0
70°	130.2	134.0	165.8	210.4	272.0	466.9	1296.9	2254.2	2374.4	2370.6	1866.2
72.5°	95.0	96.9	120.9	160.7	201.6	241.5	792.0	1821.0	2072.7	2181.9	1632.1
75°	69.1	71.3	84.0	120.2	156.7	150.6	391.0	1315.3	1580.6	1790.7	1329.7
77.5°	51.5	54.3	60.2	75.3	109.8	107.9	169.0	854.1	1022.3	1169.6	807.7
80°	37.1	37.7	41.1	48.3	69.6	63.2	80.4	445.3	510.6	559.4	316.6
82.5°	22.5	23.1	27.4	29.7	43.1	39.7	41.8	144.2	206.7	219.3	118.3
85°	6.6	7.0	12.5	13.6	18.0	17.0	16.8	58.7	70.0	89.5	46.6
87.5°	0.0	0.0	0.0	0.0	0.2	1.1	2.1	10.4	15.7	21.8	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5
2.5°	308.7	304.3	302.0	298.1	295.2	292.4	289.6	286.9	285.8	284.1	284.4
5°	314.2	307.3	300.5	292.8	286.1	280.7	275.7	271.4	269.5	267.8	268.5
7.5°	322.5	312.3	299.2	285.0	274.6	267.0	261.9	258.9	258.0	256.6	256.6
10°	333.1	317.8	294.9	274.6	262.1	256.1	253.8	253.6	254.5	254.7	254.4
12.5°	344.8	323.1	288.4	262.3	251.7	249.8	251.5	254.7	258.0	259.7	259.3
15°	356.9	326.5	277.4	250.6	244.1	246.6	252.1	258.5	264.8	268.0	267.8
17.5°	368.3	327.2	263.2	239.2	237.5	243.8	253.2	263.2	271.8	276.3	276.5
20°	381.0	325.9	248.7	229.0	230.9	241.1	253.6	265.7	275.7	280.3	281.4
22.5°	392.5	321.4	234.5	219.3	225.2	237.9	250.6	261.9	270.8	275.2	276.7
25°	402.9	312.6	219.0	211.2	220.9	233.3	243.0	250.9	257.2	259.8	261.9
27.5°	408.6	299.6	207.2	204.8	216.7	226.9	232.2	234.7	236.8	236.0	237.5
30°	409.7	283.3	197.0	199.7	210.4	218.0	219.2	216.7	213.1	207.2	208.6
32.5°	408.6	264.6	188.5	194.2	203.4	208.0	206.5	200.0	191.3	182.2	182.8
35°	409.0	245.6	181.5	188.1	195.3	197.8	194.0	185.1	175.8	167.5	167.1
37.5°	413.1	229.8	175.6	182.2	187.4	187.7	183.6	174.3	169.6	163.3	162.6
40°	424.7	218.0	170.3	176.4	179.6	179.4	174.7	168.1	171.3	169.2	168.6
42.5°	443.6	210.8	166.0	170.1	172.4	172.8	169.0	164.8	171.8	169.2	168.2
45°	474.1	210.4	162.9	163.9	167.5	170.1	167.5	162.8	165.4	152.5	150.1
47.5°	510.2	216.9	160.7	158.4	164.6	169.4	165.2	157.6	152.2	140.4	138.7
50°	553.8	229.9	158.6	152.5	160.5	166.5	162.4	152.0	143.6	137.4	136.5
52.5°	605.4	247.2	155.9	145.9	154.2	165.0	162.4	151.4	140.4	134.7	133.8
55°	659.5	267.0	152.9	138.0	147.2	165.4	163.7	147.4	138.0	134.9	134.2
57.5°	726.7	290.9	147.4	128.7	141.0	162.0	158.4	145.2	136.3	133.8	133.0
60°	814.0	326.3	137.0	119.2	133.8	155.9	153.7	141.4	131.7	129.6	129.1
62.5°	952.1	386.3	124.3	110.1	125.3	143.3	146.7	134.2	126.0	125.9	125.7
65°	1177.3	458.4	109.4	102.0	116.4	132.9	137.4	126.8	120.2	122.3	122.1
67.5°	1335.2	464.6	97.1	93.5	106.0	121.5	128.1	119.2	112.0	116.0	115.8
70°	1222.9	362.4	86.5	84.6	94.8	109.2	118.1	109.8	102.6	106.4	105.6
72.5°	1031.4	277.8	76.5	75.3	83.5	96.3	105.2	100.3	92.7	92.7	91.0
75°	828.9	229.2	65.9	65.3	70.8	83.3	93.3	85.0	78.0	77.6	76.5
77.5°	475.4	150.3	55.3	54.9	56.6	69.6	72.5	70.8	65.5	63.0	62.3
80°	189.4	78.2	43.5	41.1	42.8	51.1	57.2	54.3	49.8	46.7	45.0
82.5°	73.4	39.2	30.7	26.9	29.3	36.9	41.4	40.5	37.5	30.7	28.8
85°	29.9	19.1	18.4	15.5	17.0	19.9	23.8	20.6	17.0	12.1	11.5
87.5°	7.9	7.0	6.8	4.2	3.2	0.9	0.2	0.0	0.0	0.0	0.0
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)