

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: P629155

Luminaire Tested: GWS-SA1B-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2683.8 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

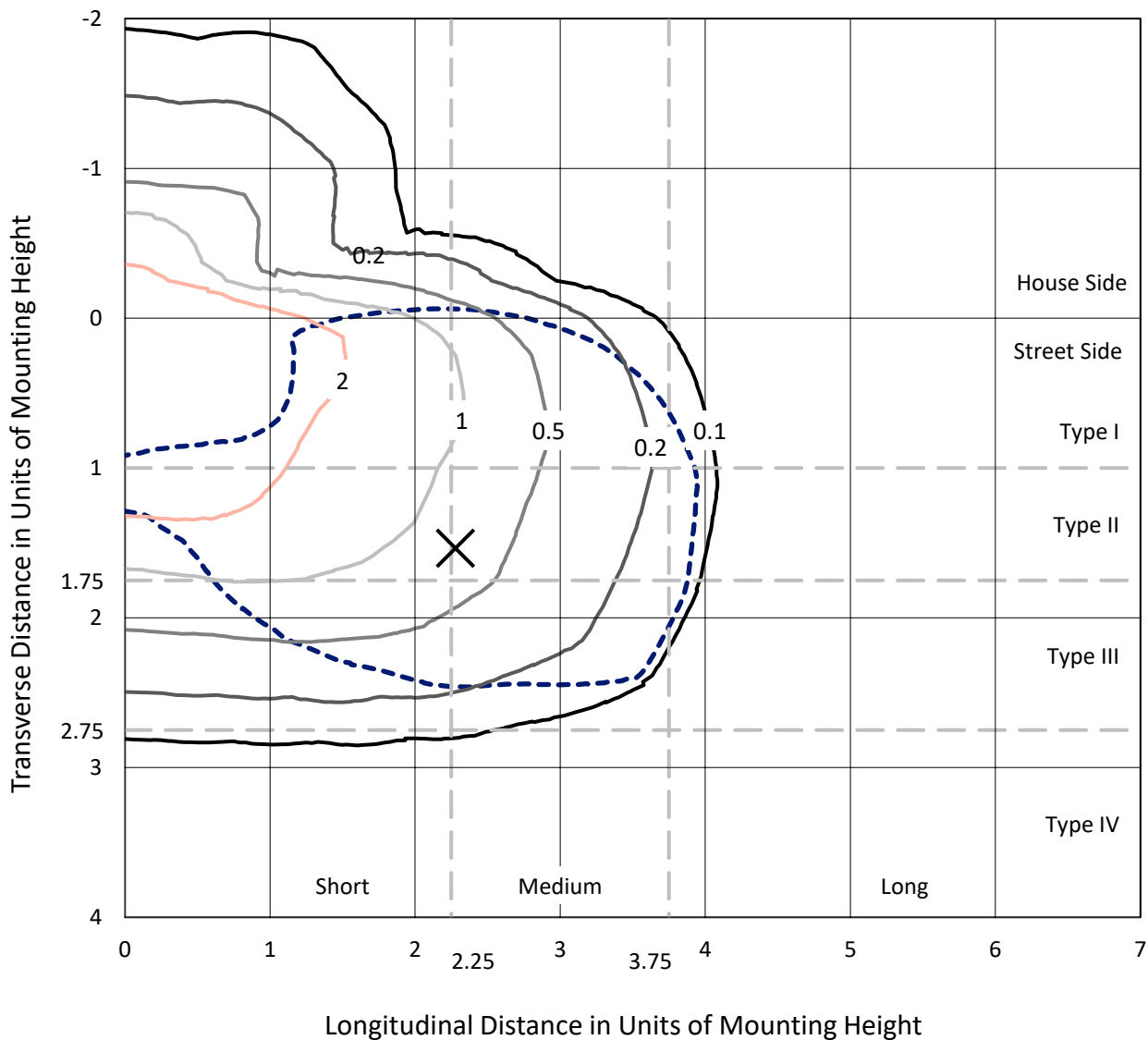
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

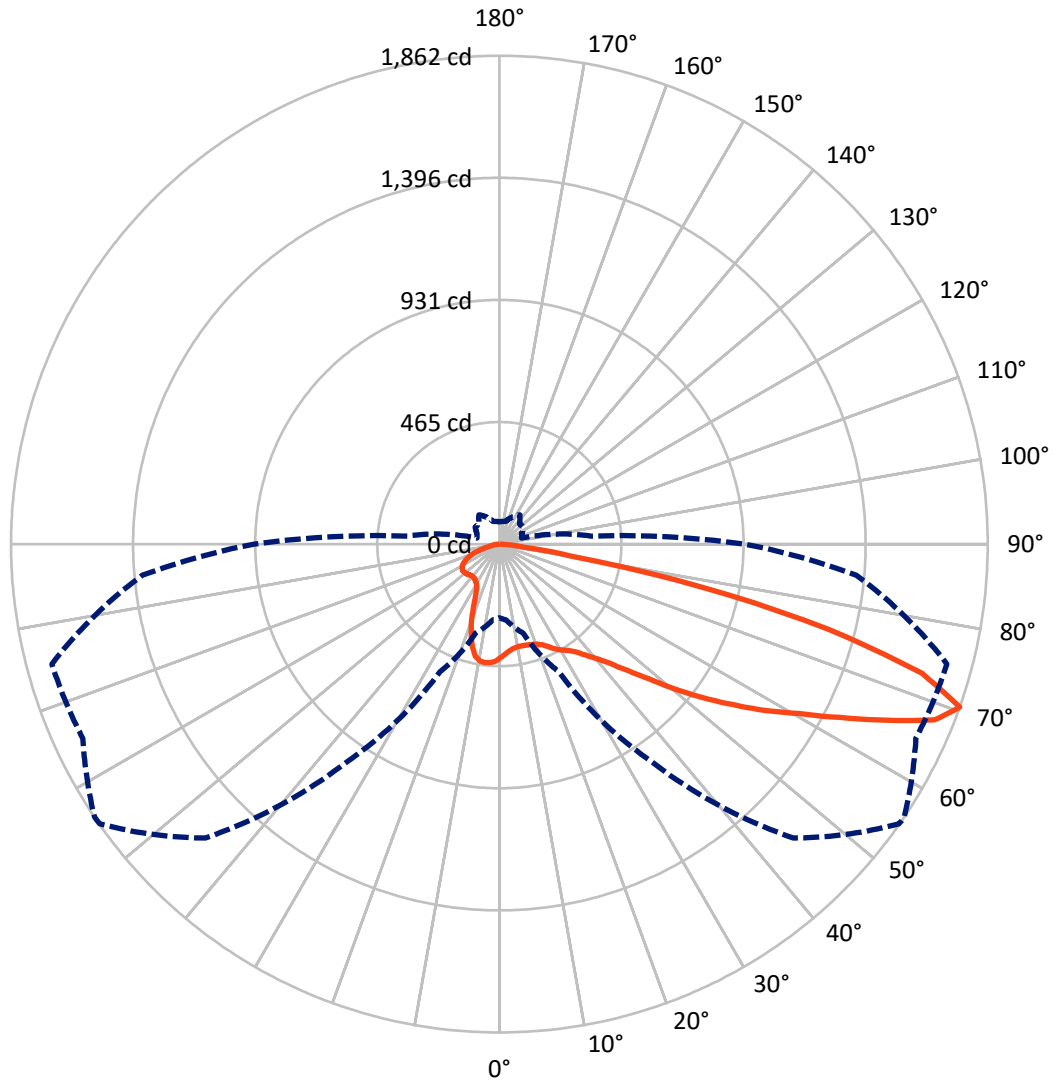
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.0	0.0	516.0
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	2167.8	0.0	2167.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	2683.8	0.0	2683.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	1.5
10°-20°	108.6	4.0
20°-30°	179.6	6.7
30°-40°	268.5	10.0
40°-50°	399.6	14.9
50°-60°	568.1	21.2
60°-70°	703.6	26.2
70°-80°	388.5	14.5
80°-90°	27.4	1.0
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°	2683.8	100.0
0°-180°	2683.8	100.0

Coefficient of Utilization



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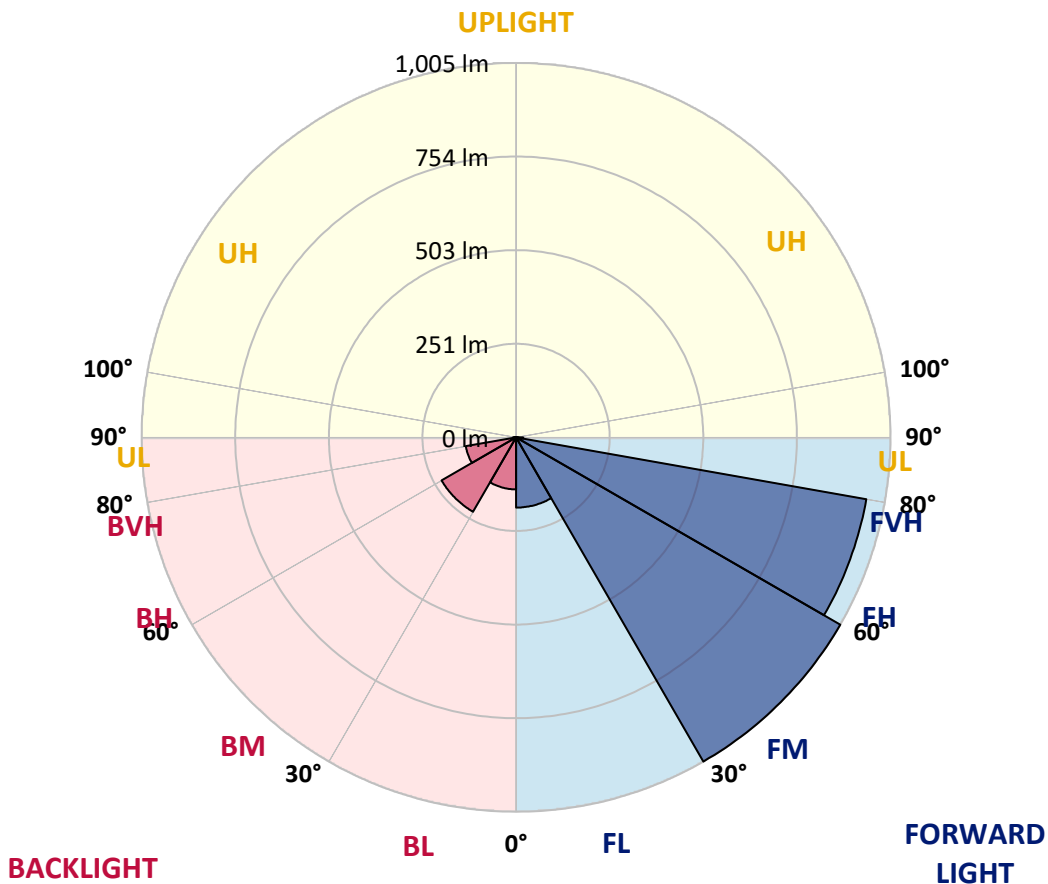
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.6	7.0			
FM (30°-60°)	1005.3	37.5			
FH (60°-80°)	954.9	35.6			G1/1800
FVH (80°-90°)	19.0	0.7			G1/100
BL (0°-30°)	139.7	5.2	B1/500		
BM (30°-60°)	230.8	8.6	B1/1000		
BH (60°-80°)	137.1	5.1	B1/500		G1/500
BVH (80°-90°)	8.3	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2
2.5°	405.4	403.1	405.8	407.1	410.5	415.4	419.8	420.0	422.2	427.7	433.0
5°	387.0	385.9	386.6	390.6	394.2	400.5	407.1	407.7	414.1	424.9	435.5
7.5°	372.8	371.3	374.2	379.3	383.8	390.8	399.5	400.3	409.4	425.6	441.9
10°	352.4	351.3	356.6	363.4	373.2	384.8	396.3	397.2	409.2	430.6	453.3
12.5°	343.5	343.5	345.8	352.2	363.0	378.3	395.7	397.2	412.2	438.1	467.8
15°	357.3	358.3	356.4	356.0	360.3	374.9	396.5	398.8	417.9	445.9	482.2
17.5°	385.1	386.1	381.2	373.4	369.0	378.1	399.3	401.8	423.9	454.4	497.7
20°	424.1	425.3	414.5	402.5	387.6	387.4	404.8	407.1	431.7	463.7	514.2
22.5°	469.7	470.5	456.9	437.9	415.0	404.6	414.3	416.6	441.7	476.5	532.0
25°	522.5	524.8	508.3	480.9	449.9	428.3	430.0	432.6	459.7	493.8	553.0
27.5°	578.9	581.8	562.8	532.6	489.8	454.4	450.2	452.5	478.8	504.4	564.2
30°	636.7	638.7	619.8	585.2	532.8	483.9	467.3	468.6	487.1	509.5	575.5
32.5°	700.8	699.1	680.9	641.0	582.3	519.3	483.2	482.8	496.4	519.7	591.8
35°	761.0	763.5	744.2	700.1	636.8	563.0	507.0	505.5	516.1	536.4	614.7
37.5°	833.9	833.1	810.0	762.3	691.5	604.9	540.5	537.9	541.7	562.3	646.7
40°	885.9	891.2	876.3	831.8	755.5	656.3	579.7	573.8	574.8	594.3	689.5
42.5°	928.5	933.4	934.9	906.5	828.8	719.9	628.5	622.7	623.2	650.9	742.1
45°	961.2	967.9	989.2	980.9	911.3	793.4	694.6	688.5	688.9	719.6	805.7
47.5°	974.7	981.9	1025.2	1045.1	998.9	881.2	776.7	767.8	769.1	803.0	878.3
50°	970.3	980.0	1038.6	1094.5	1072.3	970.5	874.9	868.7	863.6	912.8	957.3
52.5°	932.8	943.4	1037.3	1125.9	1132.3	1054.9	976.4	972.8	971.6	1029.4	1045.4
55°	822.5	840.3	991.7	1134.2	1179.3	1134.4	1086.3	1080.3	1086.1	1154.3	1134.6
57.5°	761.4	774.6	902.4	1124.9	1217.7	1210.1	1196.1	1196.7	1203.3	1290.0	1242.7
60°	726.6	742.1	852.8	1099.6	1254.6	1302.1	1311.0	1311.0	1322.9	1436.3	1352.4
62.5°	680.4	696.1	806.4	1050.7	1288.6	1410.3	1455.4	1454.8	1459.5	1593.2	1459.7
65°	586.7	601.3	713.3	973.7	1305.3	1529.6	1619.5	1617.8	1608.3	1732.8	1530.7
67.5°	426.0	439.8	546.4	827.2	1245.3	1625.7	1788.5	1789.2	1732.6	1820.8	1534.5
70°	280.9	290.3	351.3	537.3	1012.7	1584.3	1859.2	1861.5	1751.8	1765.9	1365.7
72.5°	175.3	181.9	219.3	320.4	598.4	1254.0	1677.6	1683.8	1575.9	1551.9	1122.1
75°	116.4	120.9	145.9	186.8	276.9	678.7	1275.2	1295.3	1263.1	1216.5	781.8
77.5°	70.0	73.8	92.9	118.7	122.6	265.1	744.3	796.2	800.7	635.1	327.4
80°	32.0	36.3	51.3	67.8	65.3	92.4	262.5	274.6	324.0	201.7	103.3
82.5°	18.9	20.8	34.1	33.7	27.8	44.9	94.4	96.9	82.3	73.8	44.1
85°	7.6	8.9	14.4	12.7	10.2	14.6	35.6	37.3	35.8	32.2	16.3
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	3.2	3.4	4.9	8.9	4.9
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°	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2
2.5°	436.4	435.3	441.0	445.3	447.2	449.1	447.4	446.8	446.8	443.0	441.2
5°	441.2	441.7	449.5	453.1	453.1	451.6	447.0	443.8	442.7	437.7	436.4
7.5°	450.1	452.5	459.7	459.5	454.2	445.9	434.5	425.8	417.9	414.5	412.4
10°	464.6	467.8	472.8	464.8	450.1	428.1	404.1	385.1	373.8	364.7	364.7
12.5°	481.3	484.3	483.4	465.0	434.5	393.5	358.8	337.1	321.2	312.8	312.8
15°	497.9	500.4	490.2	456.3	402.2	347.5	309.6	283.5	269.7	261.9	261.9
17.5°	514.8	514.6	493.0	436.2	360.0	296.6	259.5	239.2	234.5	233.2	233.0
20°	531.1	526.7	489.4	402.7	310.9	245.3	221.8	223.1	230.1	233.2	233.5
22.5°	549.4	538.6	478.8	360.0	255.3	209.7	211.2	222.2	232.4	236.9	237.5
25°	568.1	548.8	461.0	309.8	208.7	196.6	208.4	220.7	232.2	238.1	238.7
27.5°	575.7	548.8	430.7	251.7	184.0	191.1	204.0	215.9	228.1	234.9	236.2
30°	582.0	544.1	388.4	199.3	173.7	185.8	197.0	208.0	219.9	228.2	229.8
32.5°	590.7	539.9	337.1	167.5	169.0	180.7	188.5	197.8	208.6	214.0	213.5
35°	600.9	533.5	275.2	152.4	165.0	176.4	181.9	187.4	182.4	182.3	182.8
37.5°	615.5	527.8	221.2	145.5	162.4	173.4	177.9	166.2	159.4	156.5	155.4
40°	636.5	525.6	174.5	141.6	162.0	173.2	170.0	151.8	142.5	132.7	132.5
42.5°	663.0	523.9	144.2	139.7	163.3	177.5	159.0	142.3	123.2	118.9	118.5
45°	697.0	521.2	129.1	139.3	166.5	180.9	157.8	129.3	116.2	114.3	114.3
47.5°	738.1	517.0	122.3	139.3	170.1	179.4	154.4	126.4	113.0	115.1	116.4
50°	785.2	511.7	118.7	138.9	173.7	179.4	147.2	125.9	112.2	123.0	127.4
52.5°	835.6	505.7	116.2	137.4	176.2	179.6	147.6	127.7	113.0	124.9	128.5
55°	891.2	504.7	112.8	134.2	177.0	174.7	148.6	131.9	114.1	113.2	113.4
57.5°	961.4	516.1	110.3	129.5	173.9	164.7	150.5	134.9	112.8	113.0	114.3
60°	1034.9	537.5	112.4	124.9	167.7	155.2	151.8	133.4	106.4	103.3	103.7
62.5°	1097.3	553.8	114.1	122.8	158.6	146.9	150.5	130.0	102.8	102.0	103.7
65°	1123.4	540.3	110.0	118.5	145.3	136.6	147.6	125.7	99.7	96.9	97.1
67.5°	1094.5	477.3	101.8	108.8	130.4	123.6	143.1	120.0	95.6	92.2	91.4
70°	934.9	350.7	87.8	93.5	112.2	108.3	136.1	112.6	89.0	86.5	84.8
72.5°	753.4	248.3	72.9	74.4	88.0	91.2	124.0	103.3	81.4	74.4	71.9
75°	524.4	155.9	60.8	59.2	63.6	69.6	96.7	85.7	70.2	62.8	60.6
77.5°	225.6	80.1	47.5	46.7	42.4	48.3	74.2	71.5	58.9	50.3	49.0
80°	75.5	46.4	34.3	32.9	28.2	33.9	52.2	57.2	46.2	37.3	35.0
82.5°	37.9	26.9	21.8	19.7	18.9	21.4	30.8	35.6	32.0	25.7	21.8
85°	18.5	15.3	11.9	11.7	9.8	9.3	12.9	15.1	14.4	10.6	10.0
87.5°	6.8	6.1	3.8	3.0	1.9	1.3	0.8	0.8	0.6	0.6	0.6
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)