

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: P629120

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2717.7 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

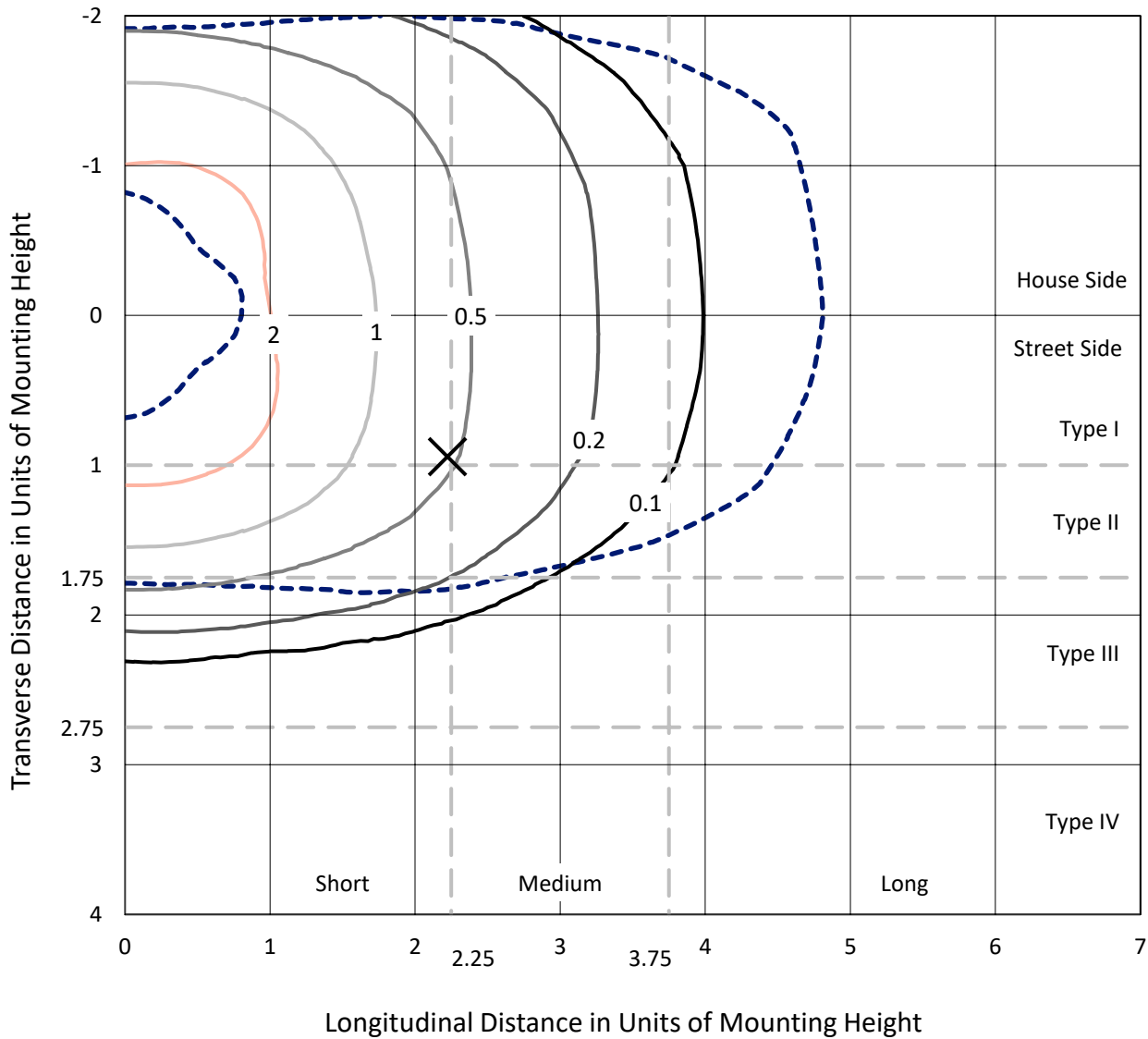
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

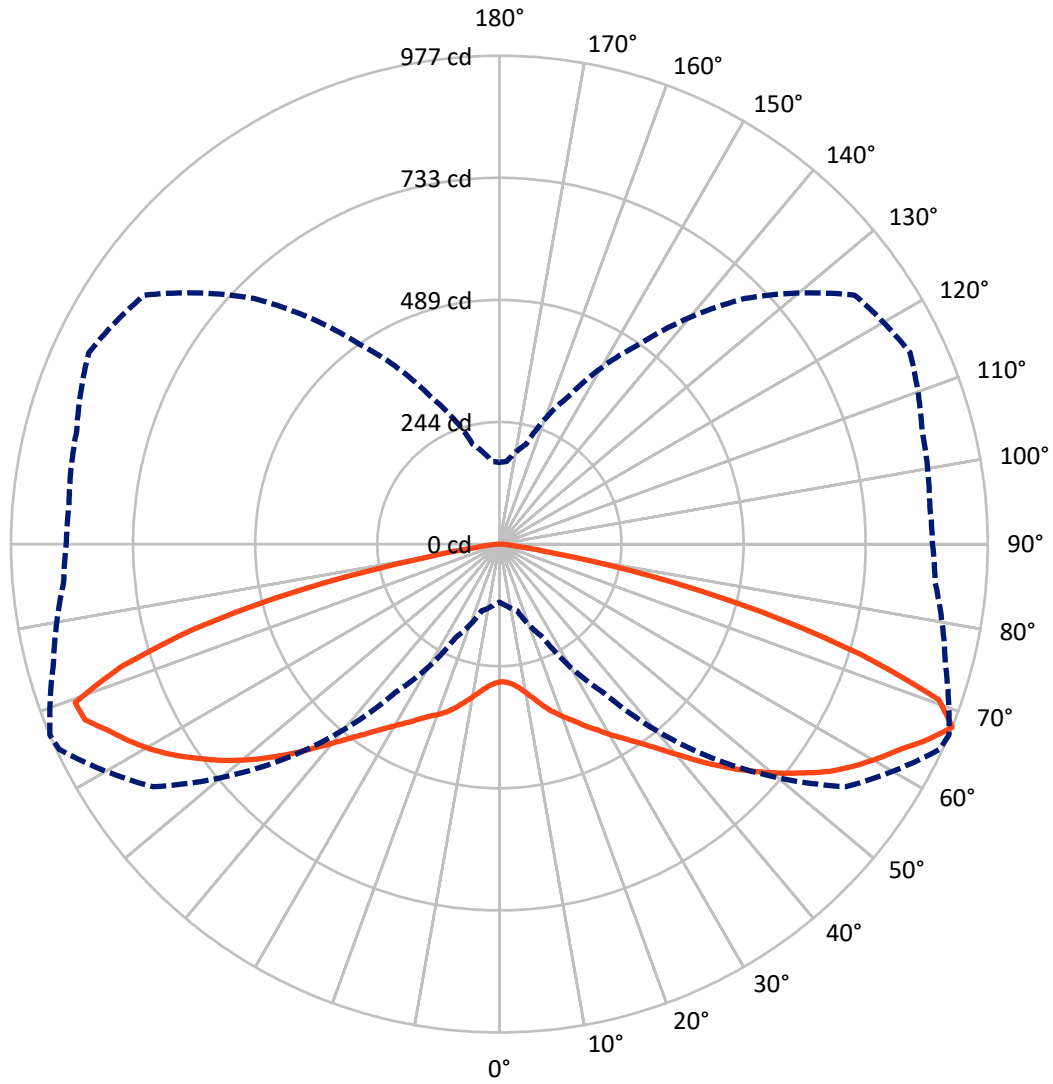
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1343.8	0.0	1343.8
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1373.8	0.0	1373.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	2717.7	0.0	2717.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	1.0
10°-20°	91.2	3.4
20°-30°	179.0	6.6
30°-40°	304.9	11.2
40°-50°	489.6	18.0
50°-60°	665.2	24.5
60°-70°	636.3	23.4
70°-80°	302.5	11.1
80°-90°	21.9	0.8
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°	2717.7	100.0
0°-180°	2717.7	100.0

Coefficient of Utilization



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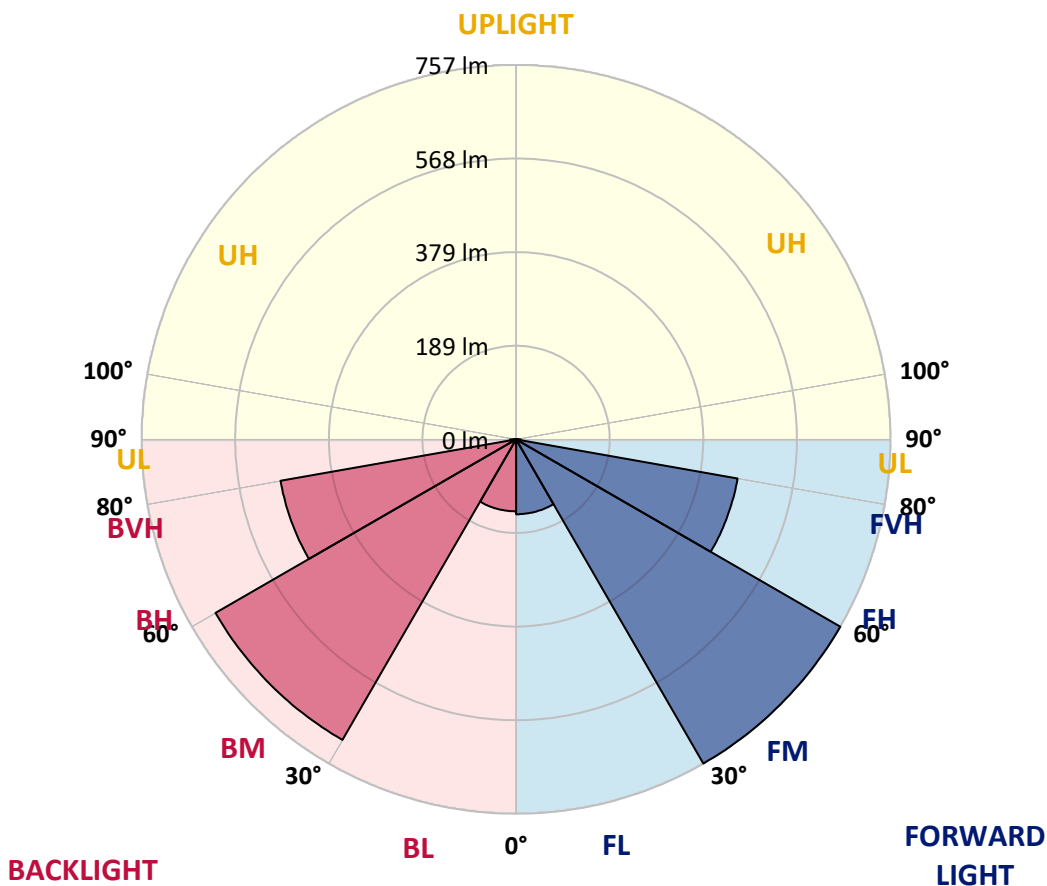
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.5	5.6			
FM (30°-60°)	757.4	27.9			
FH (60°-80°)	455.0	16.7			G0/660
FVH (80°-90°)	9.9	0.4			G0/10
BL (0°-30°)	145.6	5.4	B1/500		
BM (30°-60°)	702.3	25.8	B1/1000		
BH (60°-80°)	483.9	17.8	B1/500		G1/500
BVH (80°-90°)	12.1	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2.5°	269.5	269.9	270.5	271.6	272.7	274.4	276.1	275.9	276.7	277.3	277.8
5°	268.0	268.4	269.3	270.8	272.5	275.4	279.0	280.5	281.6	283.7	285.6
7.5°	271.2	272.0	273.3	275.4	278.0	281.6	286.5	289.2	290.9	294.7	297.9
10°	275.6	276.5	279.2	283.1	287.1	292.6	298.8	302.8	303.9	308.9	314.9
12.5°	279.7	280.9	285.2	292.4	299.6	307.0	314.4	319.3	319.7	326.3	333.1
15°	286.3	287.3	293.2	302.4	313.4	323.6	332.7	336.1	337.6	342.4	350.9
17.5°	300.9	302.1	309.6	319.7	331.2	342.0	351.1	353.9	353.9	357.9	364.9
20°	316.6	317.8	327.8	340.7	354.7	365.6	372.7	370.0	369.1	370.2	375.1
22.5°	334.2	336.3	346.0	360.9	378.1	391.6	395.2	387.2	384.6	381.9	383.1
25°	356.8	359.2	368.7	384.6	401.4	415.6	417.7	405.4	403.9	394.6	391.2
27.5°	382.7	384.6	396.3	412.0	427.7	439.6	441.9	426.8	421.7	408.8	400.9
30°	416.2	417.9	428.1	443.6	457.2	465.6	468.4	447.6	443.6	423.9	411.6
32.5°	452.7	453.5	463.9	478.8	490.9	498.9	494.9	470.7	464.8	442.7	425.8
35°	494.5	494.5	508.0	520.1	529.7	532.0	524.4	496.8	490.0	466.0	444.9
37.5°	535.6	536.7	549.2	563.6	572.1	571.8	557.9	527.7	519.9	493.8	470.5
40°	580.1	582.5	595.0	611.1	619.3	618.1	596.9	563.2	555.3	524.4	501.7
42.5°	621.0	624.9	639.5	656.0	664.9	664.1	642.0	604.1	596.4	561.5	538.8
45°	653.5	657.7	675.8	698.7	712.9	711.6	689.3	646.5	637.0	600.5	575.5
47.5°	682.1	686.4	706.7	730.9	753.4	755.7	735.3	689.3	679.2	642.3	614.1
50°	704.0	706.1	728.8	755.3	781.4	794.1	776.3	732.2	720.1	683.6	651.8
52.5°	702.3	705.2	733.2	769.1	804.2	825.0	812.7	772.7	761.0	721.3	690.2
55°	667.7	670.5	703.9	756.3	816.8	847.5	846.2	811.4	802.8	759.7	730.2
57.5°	617.2	623.4	656.5	713.1	800.2	865.5	870.8	846.6	837.7	797.3	769.7
60°	526.7	535.0	573.3	646.7	746.8	859.4	897.1	876.3	870.8	832.4	805.5
62.5°	382.7	388.7	439.6	536.0	667.7	816.3	919.2	906.9	902.8	863.8	837.8
65°	229.2	243.0	283.9	379.1	538.6	734.9	907.1	947.1	942.7	896.1	865.5
67.5°	116.0	122.3	138.3	205.5	362.2	608.1	846.4	972.0	977.3	923.8	875.3
70°	71.9	73.6	78.2	101.4	180.9	399.5	692.1	906.9	932.9	919.4	849.8
72.5°	57.7	58.1	58.9	63.2	86.9	186.8	437.6	710.3	757.0	858.7	813.2
75°	47.9	48.1	48.3	49.6	54.1	76.3	212.9	488.1	542.8	729.8	754.0
77.5°	38.4	37.5	38.2	38.8	39.9	42.6	73.4	260.4	315.9	479.0	583.1
80°	25.0	24.6	26.1	26.7	27.8	29.5	39.2	88.4	107.3	174.3	185.5
82.5°	13.4	12.7	15.9	15.3	15.9	17.2	23.1	32.4	36.3	52.6	44.5
85°	4.2	4.2	4.4	5.1	6.2	6.1	10.0	15.9	17.6	22.5	16.7
87.5°	0.8	0.8	0.8	0.8	0.8	0.9	2.1	3.2	4.4	7.8	5.9
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2.5°	279.0	277.3	278.2	278.8	278.6	278.2	276.3	275.9	275.0	273.5	273.1
5°	287.3	285.4	285.6	285.0	283.1	280.7	276.5	274.4	272.7	270.8	270.6
7.5°	300.4	298.3	297.7	295.1	289.8	284.1	277.5	273.7	270.8	268.4	268.0
10°	317.0	314.9	313.0	306.8	298.1	290.5	281.8	276.3	272.2	269.1	268.6
12.5°	335.6	333.9	329.1	320.0	309.6	300.7	291.8	285.0	279.0	274.4	273.9
15°	356.2	352.4	345.2	333.5	323.6	316.4	305.7	296.4	286.7	280.7	279.3
17.5°	370.6	367.4	358.8	347.5	339.7	333.5	320.8	307.5	294.5	285.6	283.7
20°	380.8	377.4	367.7	359.4	356.9	351.6	336.9	321.6	306.4	295.4	293.0
22.5°	388.2	384.6	374.7	370.6	374.0	373.0	358.6	341.2	323.3	310.2	307.2
25°	395.2	391.8	383.1	384.6	393.7	396.5	381.0	360.7	340.3	325.0	321.4
27.5°	401.8	397.4	393.5	401.8	414.7	420.0	403.5	380.6	358.5	342.7	339.9
30°	412.0	406.9	406.3	418.5	438.9	443.4	425.3	402.4	380.4	364.5	360.9
32.5°	424.9	420.2	420.5	438.7	462.4	466.1	450.6	429.2	407.3	391.4	386.5
35°	442.3	436.4	439.6	462.0	485.8	492.8	480.3	462.5	441.2	424.9	419.4
37.5°	466.3	457.8	464.4	487.9	511.9	522.4	512.7	499.5	478.3	461.8	456.7
40°	497.0	490.0	492.6	518.6	543.4	555.9	549.8	536.7	515.7	498.5	492.6
42.5°	533.3	526.3	525.4	553.0	577.8	596.7	590.9	578.9	557.2	537.5	531.8
45°	568.9	562.5	563.8	592.0	619.8	640.5	634.6	620.6	596.9	574.2	569.7
47.5°	606.0	600.7	601.8	631.7	662.4	683.0	675.7	658.6	631.0	606.8	601.3
50°	644.0	638.0	639.7	671.1	704.2	723.7	712.4	687.2	656.7	633.1	628.3
52.5°	681.9	674.7	679.1	708.8	743.0	758.5	737.5	707.1	677.5	654.1	648.8
55°	725.4	717.9	713.1	744.9	778.8	785.2	756.5	720.9	685.9	659.2	656.0
57.5°	765.2	758.7	749.8	781.6	806.6	801.9	771.0	717.1	665.6	631.4	626.8
60°	800.8	795.3	787.5	814.6	825.9	815.3	759.3	672.2	615.7	579.9	577.8
62.5°	833.5	827.6	820.4	843.5	842.0	817.4	705.9	603.4	527.7	489.2	485.8
65°	859.4	854.1	852.0	870.2	867.8	776.7	622.9	490.6	385.5	342.2	340.9
67.5°	866.8	864.7	875.9	906.7	868.3	695.0	488.5	325.3	207.0	166.0	163.5
70°	839.2	839.0	871.0	915.1	789.6	530.9	288.2	146.7	104.1	92.4	90.8
72.5°	803.2	802.6	828.0	789.4	585.6	290.5	121.3	78.5	65.1	61.9	61.9
75°	744.2	742.7	761.8	600.5	329.3	109.4	64.3	53.9	51.1	50.5	50.5
77.5°	606.6	593.9	563.8	371.1	114.9	53.7	42.6	42.4	40.7	40.5	40.5
80°	199.5	199.5	231.8	141.6	50.7	33.1	30.1	31.6	29.9	28.8	28.6
82.5°	32.6	44.9	63.8	40.5	27.4	20.6	18.5	19.7	20.6	16.5	16.5
85°	12.9	16.8	24.6	18.9	12.7	8.3	8.9	9.8	8.7	7.6	7.4
87.5°	4.9	6.1	8.7	4.5	2.6	1.5	0.9	0.9	0.8	0.8	0.8
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)