

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: P629564

Luminaire Tested: GWS-SA1B-830-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2797.8 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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

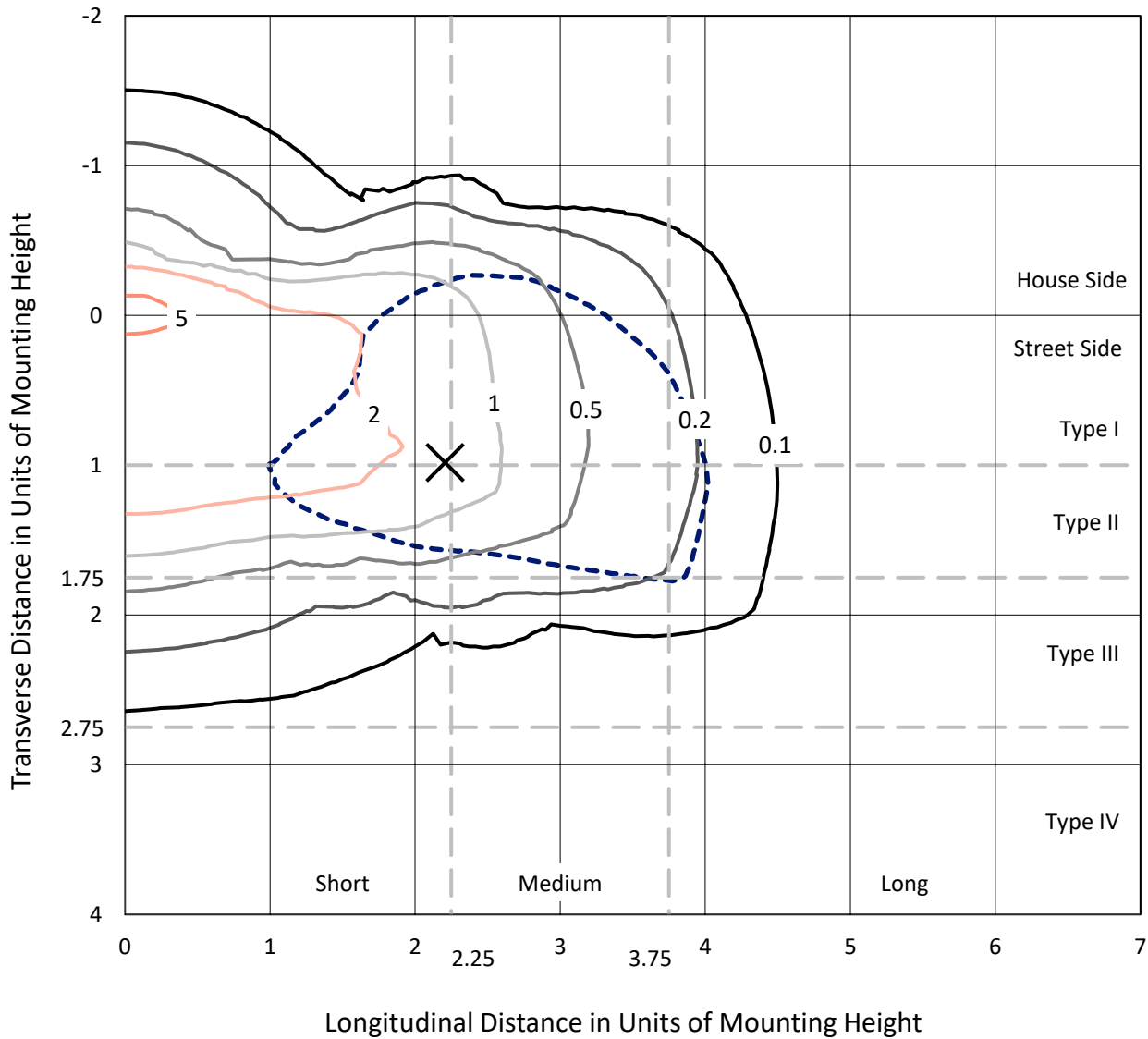


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Iso-Footcandle Lines of Horizontal Illumination

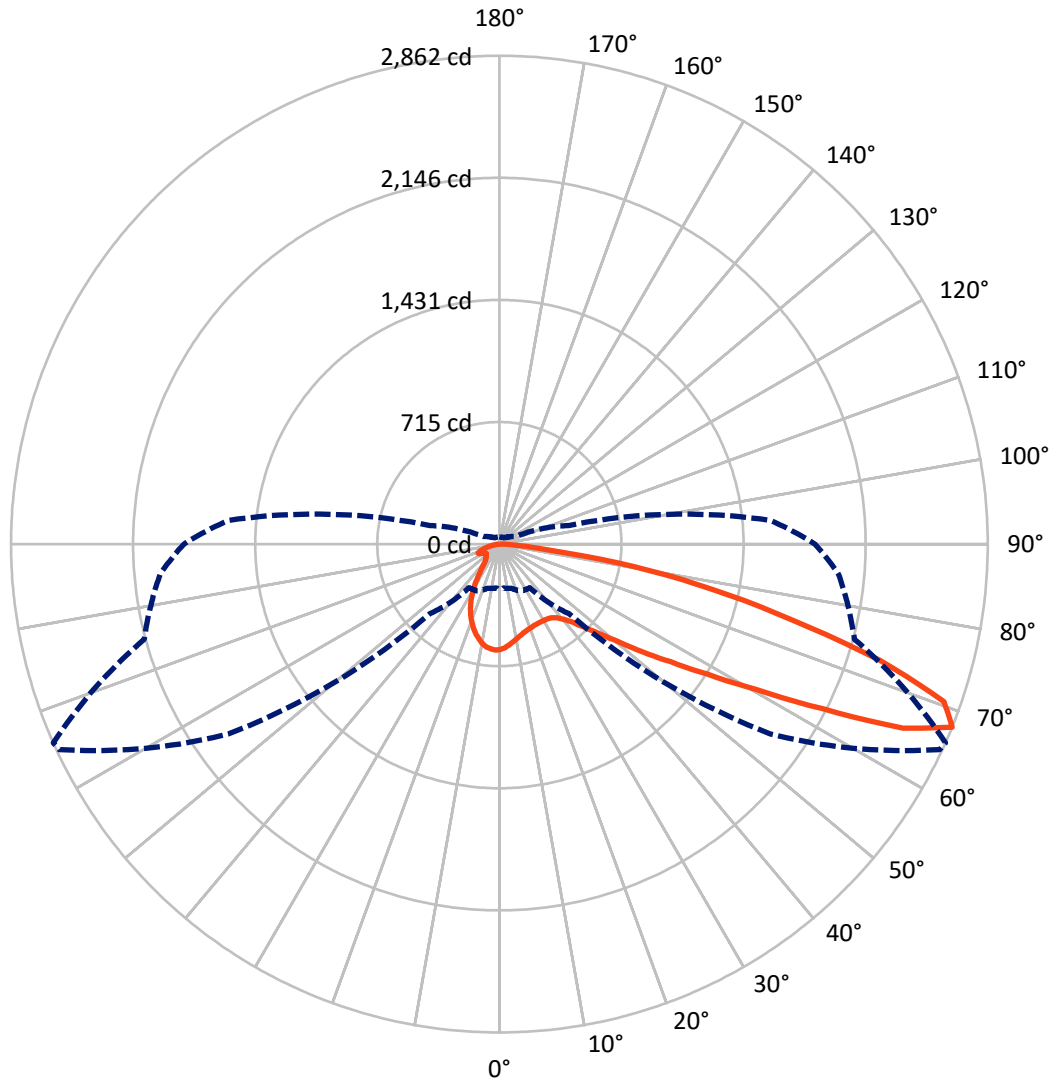
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.7	0.0	567.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2230.1	0.0	2230.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	2797.8	0.0	2797.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.9
10°-20°	133.3	4.8
20°-30°	183.3	6.6
30°-40°	250.6	9.0
40°-50°	379.7	13.6
50°-60°	590.3	21.1
60°-70°	718.6	25.7
70°-80°	437.8	15.6
80°-90°	50.0	1.8
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°	2797.8	100.0
0°-180°	2797.8	100.0

Coefficient of Utilization



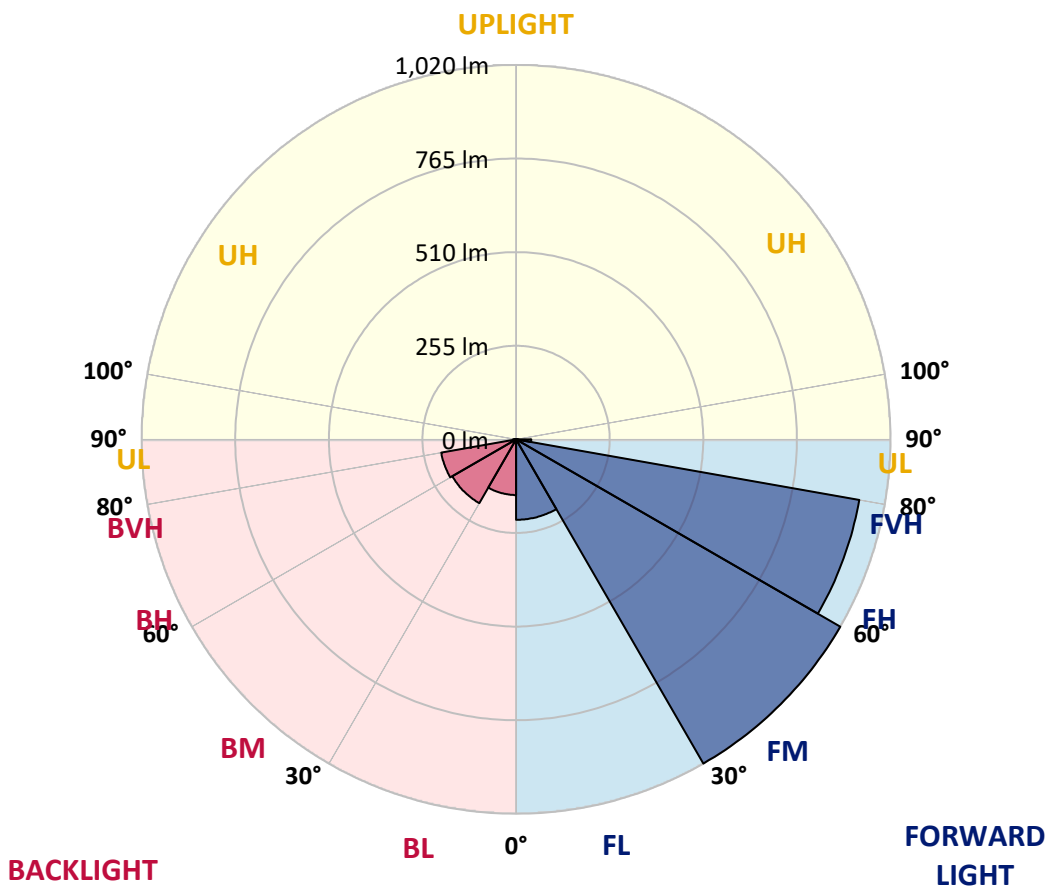
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.2	7.8			
FM (30°-60°)	1019.9	36.5			
FH (60°-80°)	949.4	33.9			G1/1800
FVH (80°-90°)	41.6	1.5			G1/100
BL (0°-30°)	151.7	5.4	B1/500		
BM (30°-60°)	200.6	7.2	B0/220		
BH (60°-80°)	207.0	7.4	B1/500		G1/500
BVH (80°-90°)	8.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	579.0	581.1	579.9	587.6	588.0	597.8	603.3	608.0	608.4	614.6	618.6
5°	539.4	540.7	540.7	548.0	552.9	566.0	578.6	592.1	593.1	607.8	619.1
7.5°	507.4	508.6	507.8	517.6	523.9	538.4	554.6	575.2	577.2	600.9	620.5
10°	482.3	481.9	483.9	492.9	501.1	518.4	536.4	559.9	562.9	592.9	622.1
12.5°	465.2	465.6	466.8	476.2	485.0	502.1	520.7	546.2	549.5	583.7	621.3
15°	457.0	456.2	457.2	465.8	474.1	489.2	508.4	534.8	538.0	575.6	621.5
17.5°	455.2	454.5	454.3	460.5	466.8	480.9	499.2	526.0	529.4	570.3	622.7
20°	460.9	460.1	457.8	460.5	463.1	475.0	492.7	519.7	523.5	566.8	625.2
22.5°	476.6	475.2	471.7	468.4	465.0	472.1	488.6	515.0	518.8	564.6	627.6
25°	500.5	499.2	495.6	488.2	475.6	474.3	487.8	512.9	516.8	562.9	628.6
27.5°	533.3	531.5	527.8	517.2	496.6	482.7	490.9	512.7	516.4	561.1	627.6
30°	572.3	571.1	569.0	556.2	528.6	500.5	497.8	514.3	517.2	560.1	625.6
32.5°	611.9	610.7	612.3	606.2	572.3	529.9	512.9	518.8	520.9	559.9	623.7
35°	646.8	648.2	660.1	661.1	627.8	569.7	536.8	529.2	529.7	563.9	624.6
37.5°	683.3	688.9	704.4	717.6	689.9	622.3	572.3	548.8	548.4	574.4	629.7
40°	731.7	734.2	754.0	778.9	761.5	694.6	622.7	580.9	578.0	595.6	643.3
42.5°	778.9	784.8	816.4	845.0	839.3	776.0	686.2	628.8	623.7	633.1	671.5
45°	838.9	844.6	880.1	916.8	927.2	868.1	767.4	697.0	691.9	689.7	723.1
47.5°	898.9	904.8	936.6	989.7	1026.2	983.2	873.2	787.0	778.7	769.9	801.1
50°	939.3	946.2	976.6	1040.3	1126.0	1126.9	998.5	905.0	894.4	880.5	910.9
52.5°	937.9	942.4	971.3	1044.8	1197.9	1292.0	1166.3	1055.2	1046.7	1016.4	1043.0
55°	864.2	870.9	900.1	992.0	1205.6	1448.5	1412.8	1232.4	1217.1	1163.0	1192.2
57.5°	716.2	721.9	751.3	864.6	1136.9	1528.7	1725.9	1458.1	1437.1	1322.6	1356.3
60°	540.7	533.7	547.6	646.8	972.4	1530.8	2002.3	1764.3	1729.2	1493.2	1521.4
62.5°	405.8	398.8	401.9	429.8	659.3	1407.1	2159.8	2183.1	2125.1	1685.9	1680.4
65°	320.6	316.8	325.5	344.7	384.3	1071.6	2161.1	2636.0	2599.5	1909.2	1843.5
67.5°	261.3	258.8	267.8	303.3	311.7	575.8	1937.8	2847.5	2861.8	2153.7	1994.7
70°	210.4	206.8	220.8	267.6	289.8	348.4	1388.1	2739.7	2762.8	2299.4	1952.1
72.5°	145.3	145.5	152.7	216.8	279.8	300.9	785.2	2281.3	2331.3	2167.4	1716.1
75°	98.0	98.8	100.8	143.1	257.8	291.9	418.4	1727.1	1762.4	1791.4	1418.5
77.5°	59.2	59.6	64.3	86.5	177.8	272.5	283.5	1252.0	1279.7	1181.0	879.3
80°	34.3	35.7	40.0	58.0	120.0	204.7	219.4	767.6	799.1	525.0	279.4
82.5°	15.1	16.1	21.8	33.7	70.0	174.1	171.2	303.3	298.8	146.3	96.9
85°	2.7	3.3	4.7	10.6	25.7	91.8	132.9	133.9	125.9	55.5	40.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	20.0	35.9	35.7	15.7	13.9
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°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	621.3	615.8	620.7	621.3	620.3	619.5	613.3	608.0	607.4	601.7	601.7
5°	623.5	618.4	620.9	616.2	608.8	601.3	588.2	579.3	575.2	567.8	567.8
7.5°	626.6	621.3	618.4	606.8	589.7	573.1	552.1	534.6	527.4	517.0	516.6
10°	629.5	622.7	612.9	590.3	562.9	536.6	506.0	481.1	464.1	451.7	451.7
12.5°	629.3	620.5	601.1	567.6	529.9	491.7	450.9	413.3	390.9	371.5	370.2
15°	628.8	616.8	586.0	541.3	491.3	438.4	382.9	333.9	300.6	281.7	280.0
17.5°	628.4	612.1	569.0	511.3	444.3	372.3	299.0	245.9	218.2	206.6	207.0
20°	628.4	606.8	550.9	476.8	390.2	293.1	219.4	180.8	173.9	174.5	175.1
22.5°	626.6	600.3	530.7	439.2	330.0	215.5	161.9	148.8	152.5	158.2	159.0
25°	622.3	589.5	507.2	397.6	258.4	157.0	132.1	129.6	136.3	143.5	145.5
27.5°	615.6	577.0	480.9	348.8	190.2	126.1	116.1	115.9	121.2	126.5	128.4
30°	608.4	563.1	453.1	294.5	137.8	109.8	105.9	105.9	108.6	111.8	111.4
32.5°	600.1	549.0	423.3	238.0	112.3	100.6	99.4	98.8	99.2	100.4	100.4
35°	592.9	536.6	392.7	178.2	100.6	95.5	94.3	92.9	92.3	91.4	91.8
37.5°	590.3	526.8	361.1	134.3	94.9	91.8	89.8	87.8	86.3	85.9	85.7
40°	594.6	522.7	329.4	110.6	90.8	88.0	85.7	83.1	81.8	81.8	81.8
42.5°	611.3	525.8	297.2	100.0	88.0	84.7	81.4	79.0	78.6	79.0	79.2
45°	641.9	537.6	263.7	94.7	85.5	81.4	77.6	75.7	75.7	76.1	76.1
47.5°	696.6	568.6	230.6	91.4	83.1	78.8	74.7	72.9	72.7	73.1	73.1
50°	791.3	624.6	200.8	89.2	81.2	76.7	72.7	70.2	69.6	69.4	69.4
52.5°	910.7	721.5	181.9	87.6	79.0	74.5	70.4	67.2	65.9	65.3	65.3
55°	1055.0	850.7	181.9	86.3	76.1	71.8	67.2	63.9	62.0	61.2	61.2
57.5°	1218.5	1001.1	213.3	85.3	73.9	68.8	63.7	60.4	58.4	57.1	57.1
60°	1384.9	1160.1	291.1	83.9	71.8	64.9	59.8	56.7	54.1	52.7	52.5
62.5°	1557.3	1335.3	393.5	84.7	70.4	61.2	55.7	52.3	50.0	48.6	48.4
65°	1715.3	1502.0	483.1	91.0	70.6	58.0	51.0	48.0	46.1	44.3	44.1
67.5°	1849.4	1594.1	420.3	103.9	74.9	54.1	46.3	43.3	41.6	40.4	40.2
70°	1755.5	1453.6	238.4	111.8	80.8	50.0	41.0	39.0	37.4	36.5	36.3
72.5°	1501.2	1230.8	159.4	98.8	73.7	44.7	36.1	34.5	33.3	32.2	32.0
75°	1216.1	976.0	121.9	81.0	57.4	36.3	31.0	29.8	28.6	27.6	27.4
77.5°	719.5	563.9	89.8	64.1	40.4	28.4	25.7	24.7	23.5	22.7	22.5
80°	229.6	195.9	56.9	44.1	26.7	21.8	19.8	19.0	17.8	16.7	16.5
82.5°	87.6	75.7	30.2	22.5	17.8	14.9	13.3	12.5	11.6	10.6	10.4
85°	38.8	36.3	16.7	12.0	9.6	7.3	6.5	6.1	5.1	4.3	4.1
87.5°	13.7	13.7	7.1	3.5	2.0	1.0	0.6	0.2	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)