

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: P628794

Luminaire Tested: GWS-SA1A-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628794
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-SA1A-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2756.2 lumens
Efficiency: N/A
Efficacy: 139.9 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): 19.7
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

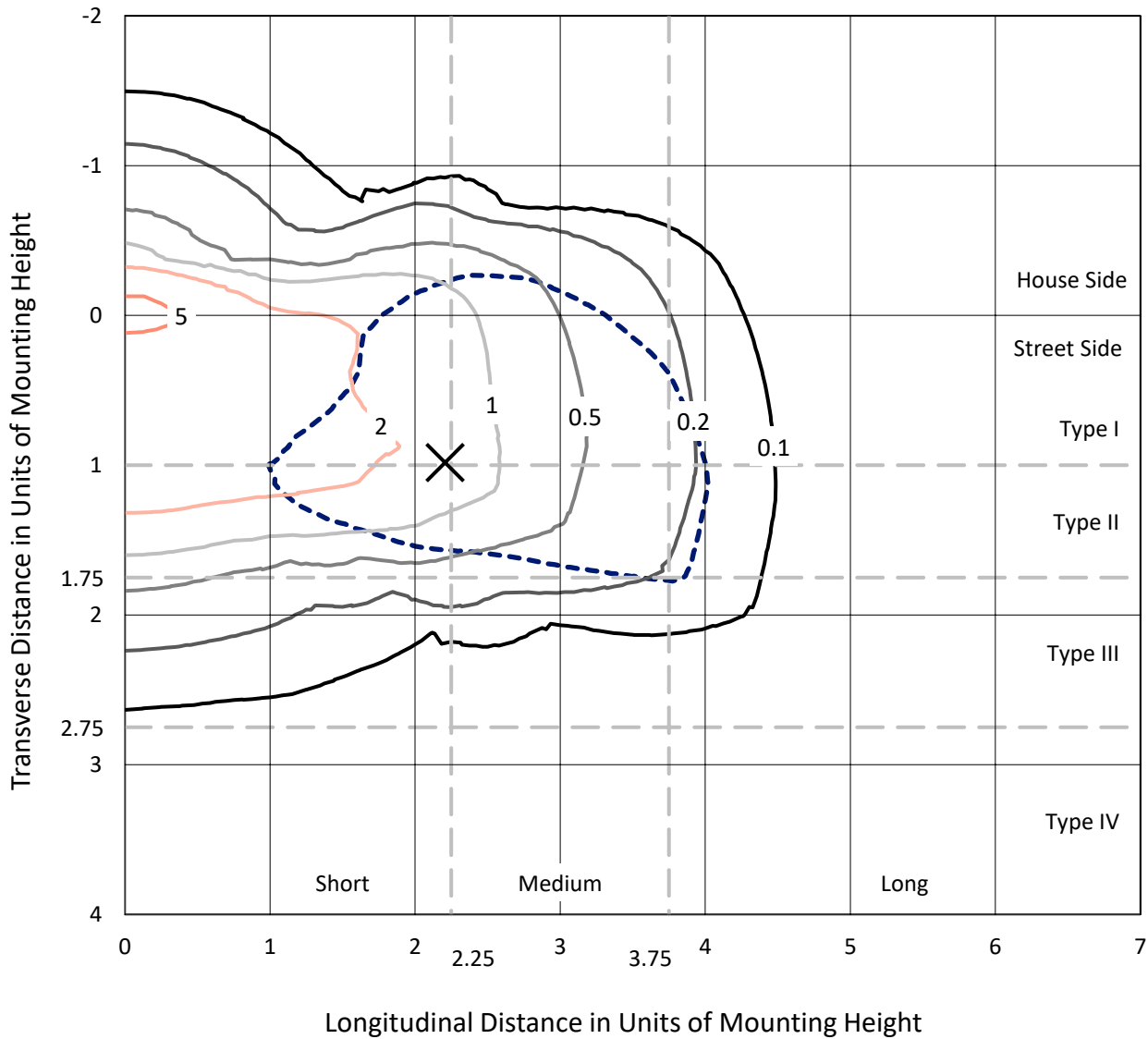


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Iso-Footcandle Lines of Horizontal Illumination

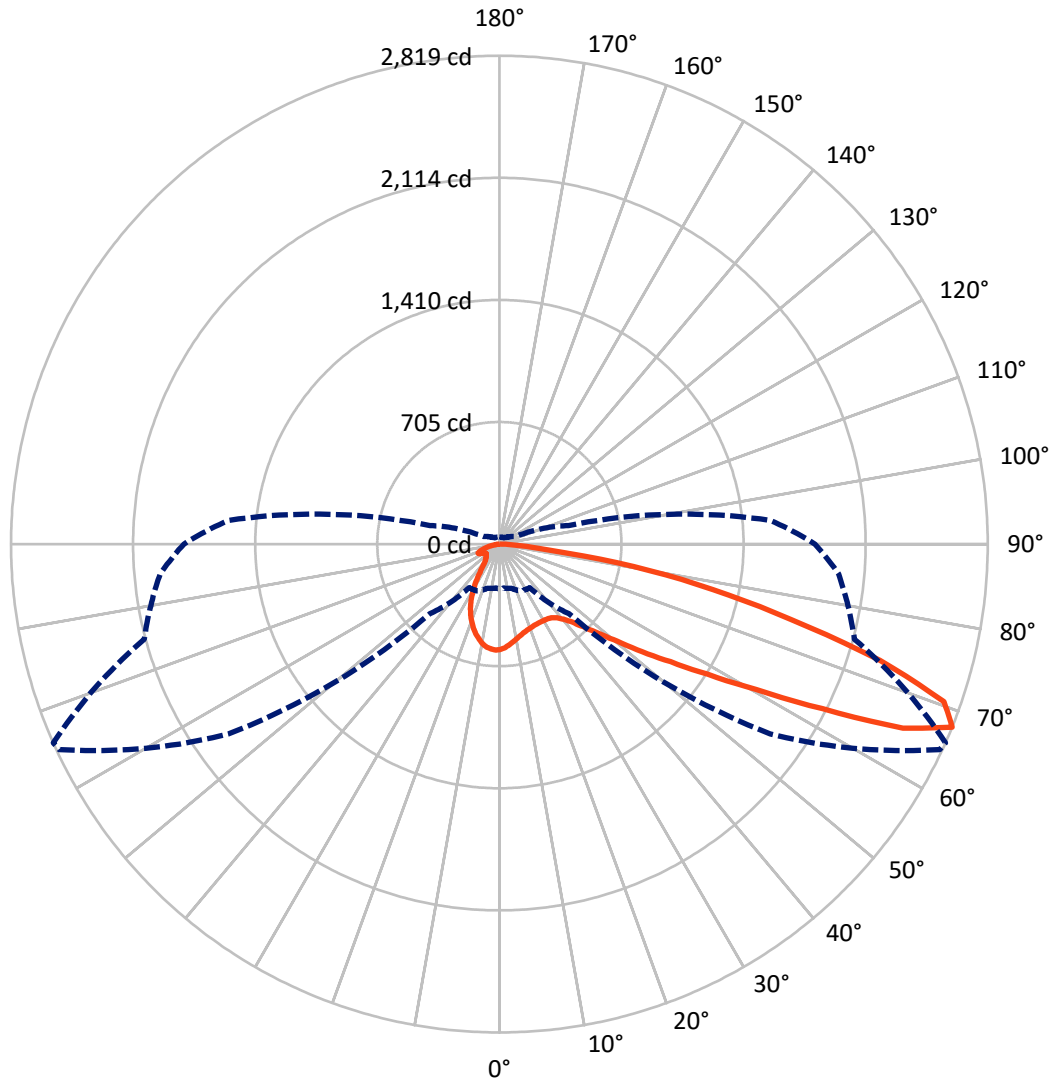
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	559.3	0.0	559.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2196.9	0.0	2196.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	2756.2	0.0	2756.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.9
10°-20°	131.4	4.8
20°-30°	180.6	6.6
30°-40°	246.9	9.0
40°-50°	374.1	13.6
50°-60°	581.5	21.1
60°-70°	707.9	25.7
70°-80°	431.2	15.6
80°-90°	49.3	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°	2756.2	100.0
0°-180°	2756.2	100.0

Coefficient of Utilization



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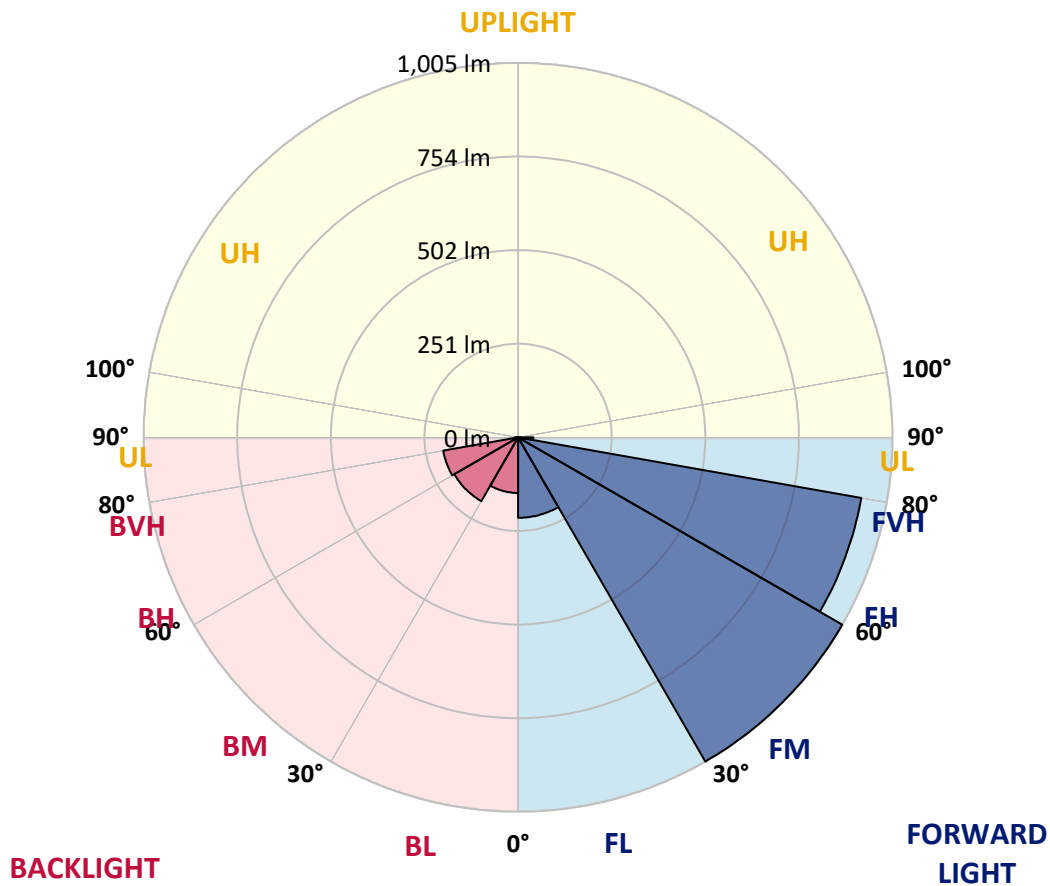
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.0	7.8			
FM (30°-60°)	1004.7	36.5			
FH (60°-80°)	935.3	33.9			G1/1800
FVH (80°-90°)	41.0	1.5			G1/100
BL (0°-30°)	149.4	5.4	B1/500		
BM (30°-60°)	197.7	7.2	B0/220		
BH (60°-80°)	203.9	7.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0
2.5°	570.4	572.4	571.2	578.9	579.3	588.9	594.4	599.0	599.4	605.4	609.4
5°	531.4	532.6	532.6	539.9	544.7	557.6	570.0	583.3	584.3	598.8	609.8
7.5°	499.9	501.1	500.3	509.9	516.1	530.4	546.3	566.6	568.6	592.0	611.3
10°	475.1	474.7	476.7	485.6	493.6	510.7	528.4	551.5	554.6	584.1	612.9
12.5°	458.2	458.6	459.8	469.1	477.7	494.6	512.9	538.1	541.3	575.1	612.1
15°	450.2	449.4	450.4	458.8	467.1	482.0	500.9	526.8	530.0	567.0	612.3
17.5°	448.4	447.8	447.6	453.6	459.8	473.7	491.8	518.2	521.6	561.8	613.5
20°	454.0	453.2	451.0	453.6	456.2	467.9	485.4	511.9	515.7	558.4	615.9
22.5°	469.5	468.1	464.7	461.5	458.0	465.1	481.4	507.3	511.1	556.2	618.3
25°	493.0	491.8	488.2	481.0	468.5	467.3	480.6	505.3	509.1	554.6	619.3
27.5°	525.4	523.6	520.0	509.5	489.2	475.5	483.6	505.1	508.7	552.7	618.3
30°	563.8	562.6	560.6	547.9	520.8	493.0	490.4	506.7	509.5	551.7	616.3
32.5°	602.8	601.6	603.2	597.2	563.8	522.0	505.3	511.1	513.1	551.5	614.5
35°	637.2	638.6	650.3	651.3	618.5	561.2	528.8	521.4	521.8	555.6	615.3
37.5°	673.2	678.6	693.9	707.0	679.6	613.1	563.8	540.7	540.3	565.8	620.3
40°	720.8	723.2	742.8	767.3	750.2	684.2	613.5	572.2	569.4	586.7	633.8
42.5°	767.3	773.1	804.3	832.4	826.8	764.5	676.0	619.5	614.5	623.7	661.5
45°	826.4	832.0	867.0	903.2	913.5	855.2	756.0	686.7	681.6	679.4	712.4
47.5°	885.5	891.3	922.7	975.0	1011.0	968.6	860.2	775.3	767.1	758.4	789.2
50°	925.3	932.2	962.1	1024.9	1109.3	1110.1	983.6	891.5	881.1	867.4	897.4
52.5°	923.9	928.3	956.9	1029.3	1180.1	1272.8	1148.9	1039.5	1031.1	1001.3	1027.5
55°	851.3	858.0	886.7	977.2	1187.7	1427.0	1391.8	1214.1	1199.0	1145.7	1174.5
57.5°	705.6	711.2	740.1	851.7	1120.0	1506.0	1700.3	1436.4	1415.7	1302.9	1336.1
60°	532.6	525.8	539.5	637.2	957.9	1508.0	1972.5	1738.1	1703.5	1471.0	1498.8
62.5°	399.7	392.9	395.9	423.5	649.5	1386.2	2127.7	2150.6	2093.5	1660.8	1655.4
65°	315.9	312.1	320.7	339.6	378.6	1055.6	2128.9	2596.8	2560.8	1880.8	1816.1
67.5°	257.4	255.0	263.8	298.8	307.0	567.2	1909.0	2805.1	2819.2	2121.7	1965.1
70°	207.3	203.7	217.6	263.6	285.5	343.2	1367.5	2699.0	2721.7	2265.3	1923.0
72.5°	143.2	143.4	150.4	213.5	275.7	296.4	773.5	2247.4	2296.6	2135.2	1690.6
75°	96.5	97.3	99.3	141.0	254.0	287.5	412.2	1701.5	1736.2	1764.8	1397.4
77.5°	58.3	58.7	63.3	85.3	175.1	268.4	279.3	1233.4	1260.7	1163.4	866.2
80°	33.8	35.2	39.4	57.1	118.2	201.7	216.2	756.2	787.2	517.2	275.3
82.5°	14.9	15.9	21.5	33.2	69.0	171.5	168.7	298.8	294.4	144.2	95.5
85°	2.6	3.2	4.6	10.5	25.3	90.5	130.9	131.9	124.1	54.7	39.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	19.7	35.4	35.2	15.5	13.7
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°	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0
2.5°	612.1	606.6	611.5	612.1	611.1	610.2	604.2	599.0	598.4	592.8	592.8
5°	614.3	609.2	611.7	607.0	599.8	592.4	579.5	570.6	566.6	559.4	559.4
7.5°	617.3	612.1	609.2	597.8	580.9	564.6	543.9	526.6	519.6	509.3	508.9
10°	620.1	613.5	603.8	581.5	554.6	528.6	498.5	473.9	457.2	445.0	445.0
12.5°	619.9	611.3	592.2	559.2	522.0	484.4	444.2	407.2	385.0	365.9	364.7
15°	619.5	607.6	577.3	533.2	484.0	431.9	377.2	329.0	296.2	277.5	275.9
17.5°	619.1	603.0	560.6	503.7	437.7	366.8	294.6	242.3	214.9	203.5	203.9
20°	619.1	597.8	542.7	469.7	384.4	288.7	216.2	178.1	171.3	171.9	172.5
22.5°	617.3	591.3	522.8	432.7	325.1	212.3	159.4	146.6	150.2	155.8	156.6
25°	613.1	580.7	499.7	391.7	254.6	154.6	130.1	127.7	134.3	141.4	143.4
27.5°	606.4	568.4	473.7	343.6	187.4	124.3	114.4	114.2	119.4	124.7	126.5
30°	599.4	554.8	446.4	290.1	135.7	108.2	104.4	104.4	107.0	110.2	109.8
32.5°	591.1	540.9	417.0	234.4	110.6	99.1	97.9	97.3	97.7	98.9	98.9
35°	584.1	528.6	386.9	175.5	99.1	94.1	92.9	91.5	90.9	90.1	90.5
37.5°	581.5	519.0	355.7	132.3	93.5	90.5	88.5	86.5	85.1	84.7	84.4
40°	585.7	514.9	324.5	109.0	89.5	86.7	84.4	81.8	80.6	80.6	80.6
42.5°	602.2	518.0	292.8	98.5	86.7	83.4	80.2	77.8	77.4	77.8	78.0
45°	632.4	529.6	259.8	93.3	84.2	80.2	76.4	74.6	74.6	75.0	75.0
47.5°	686.3	560.2	227.2	90.1	81.8	77.6	73.6	71.8	71.6	72.0	72.0
50°	779.5	615.3	197.9	87.9	80.0	75.6	71.6	69.2	68.6	68.4	68.4
52.5°	897.2	710.8	179.2	86.3	77.8	73.4	69.4	66.2	64.9	64.3	64.3
55°	1039.3	838.1	179.2	85.1	75.0	70.8	66.2	62.9	61.1	60.3	60.3
57.5°	1200.4	986.2	210.1	84.0	72.8	67.8	62.7	59.5	57.5	56.3	56.3
60°	1364.3	1142.9	286.7	82.6	70.8	63.9	58.9	55.9	53.3	51.9	51.7
62.5°	1534.2	1315.4	387.7	83.4	69.4	60.3	54.9	51.5	49.3	47.9	47.7
65°	1689.8	1479.7	475.9	89.7	69.6	57.1	50.3	47.3	45.4	43.6	43.4
67.5°	1821.9	1570.4	414.0	102.3	73.8	53.3	45.6	42.6	41.0	39.8	39.6
70°	1729.4	1432.0	234.9	110.2	79.6	49.3	40.4	38.4	36.8	36.0	35.8
72.5°	1478.9	1212.5	157.0	97.3	72.6	44.0	35.6	34.0	32.8	31.8	31.6
75°	1198.0	961.5	120.0	79.8	56.5	35.8	30.6	29.4	28.1	27.1	26.9
77.5°	708.8	555.6	88.5	63.1	39.8	27.9	25.3	24.3	23.1	22.3	22.1
80°	226.2	193.0	56.1	43.4	26.3	21.5	19.5	18.7	17.5	16.5	16.3
82.5°	86.3	74.6	29.8	22.1	17.5	14.7	13.1	12.3	11.5	10.5	10.3
85°	38.2	35.8	16.5	11.9	9.5	7.2	6.4	6.0	5.0	4.2	4.0
87.5°	13.5	13.5	7.0	3.4	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)