

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: P628956

Luminaire Tested: GWS-SA1A-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1684.7 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

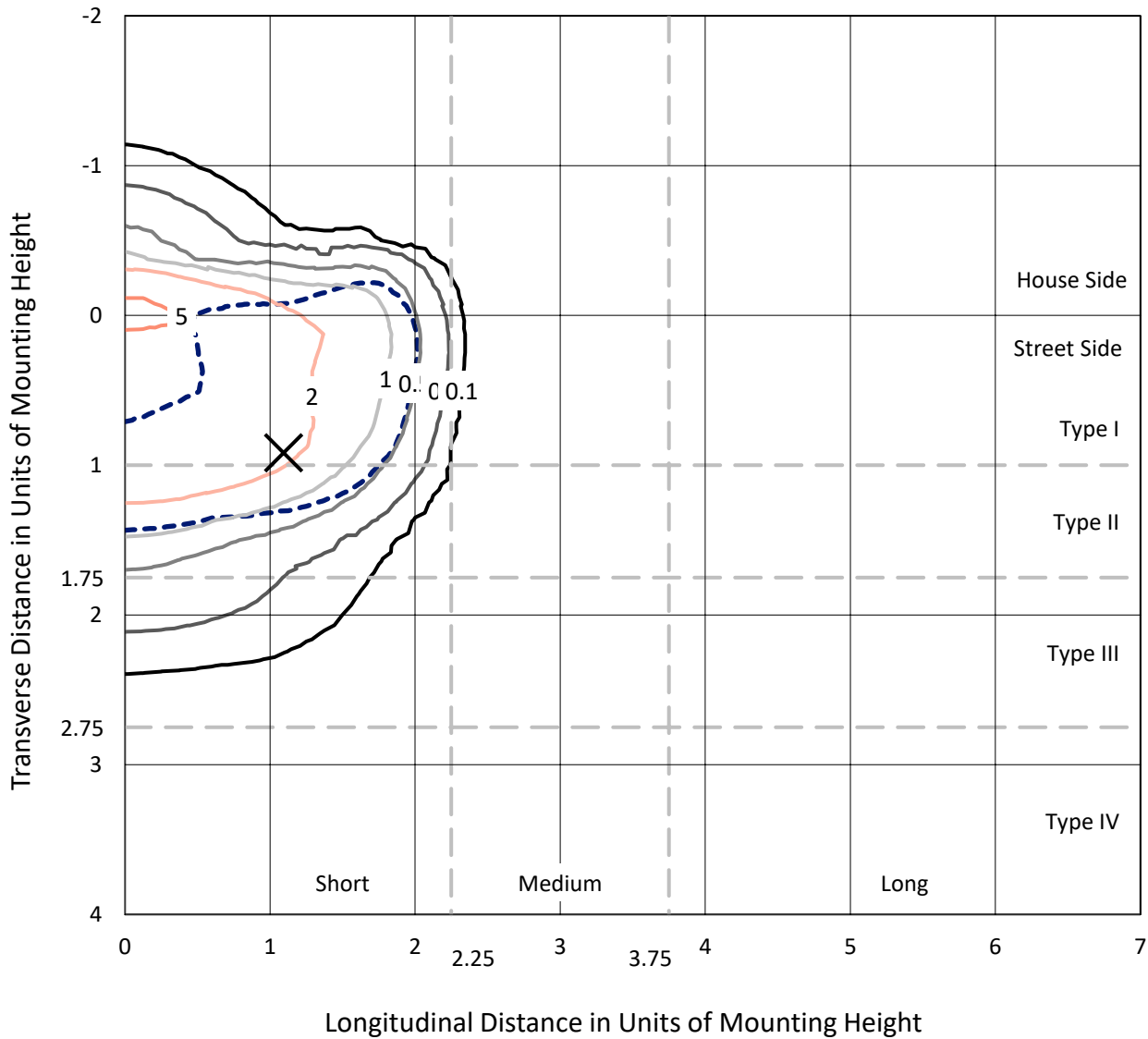
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

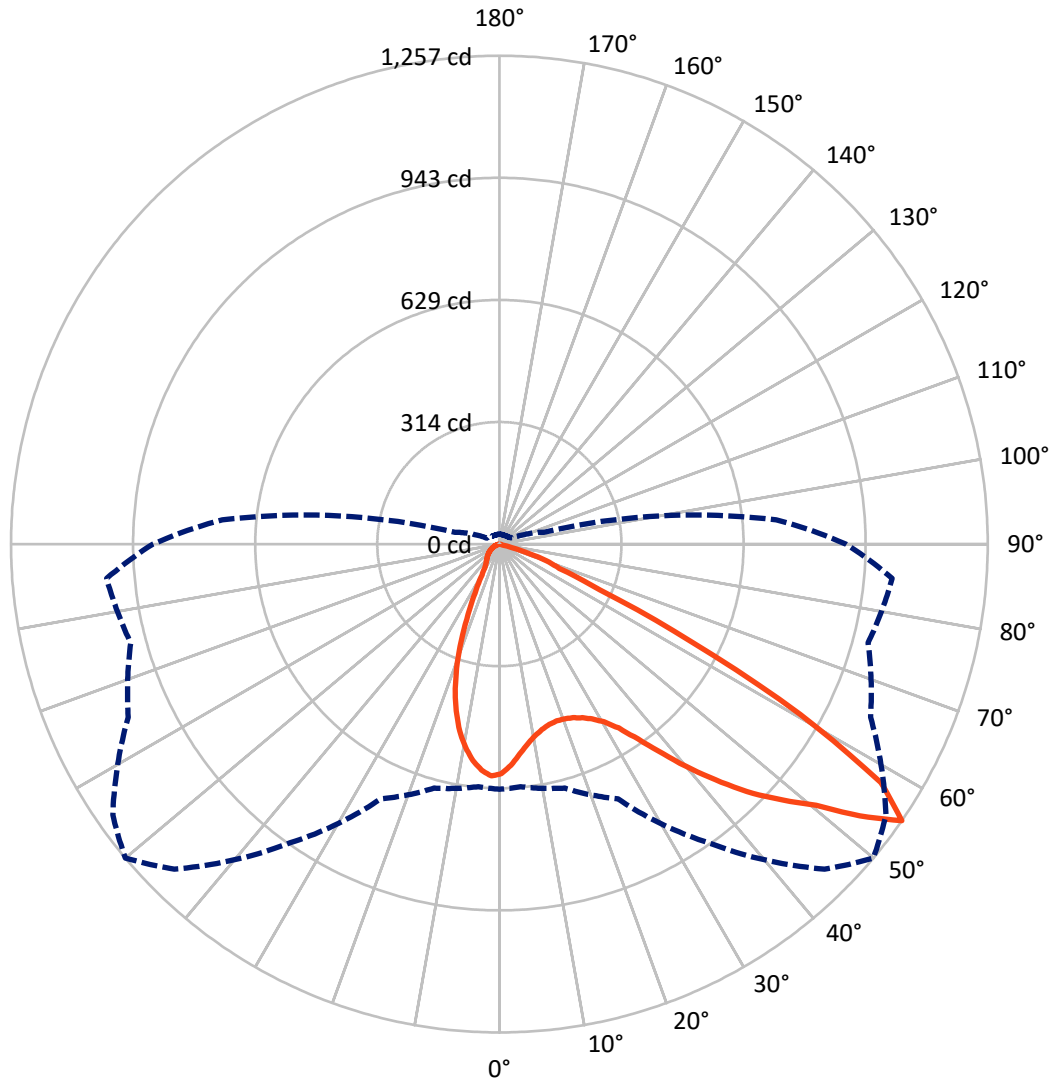
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.0	0.0	332.0
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	1352.7	0.0	1352.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	1684.7	0.0	1684.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	3.1
10°-20°	127.7	7.6
20°-30°	180.2	10.7
30°-40°	266.6	15.8
40°-50°	384.7	22.8
50°-60°	453.7	26.9
60°-70°	202.4	12.0
70°-80°	17.4	1.0
80°-90°	0.0	0.0
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°	1684.7	100.0
0°-180°	1684.7	100.0

Coefficient of Utilization



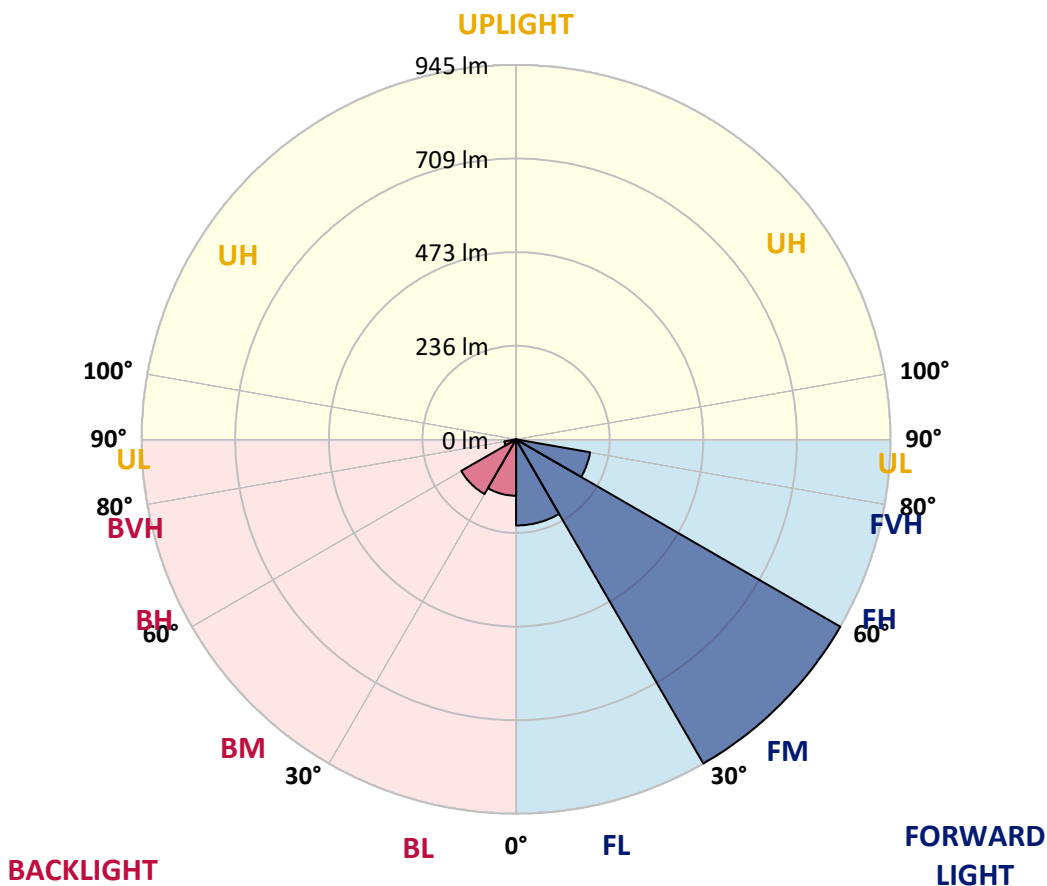
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.5	12.9			
FM (30°-60°)	945.4	56.1			
FH (60°-80°)	189.8	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	142.3	8.4	B1/500		
BM (30°-60°)	159.7	9.5	B0/220		
BH (60°-80°)	30.0	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1
2.5°	549.1	549.5	549.7	555.3	557.4	565.6	569.9	572.2	578.1	585.1	590.9
5°	512.3	511.7	512.7	519.7	524.2	536.4	543.0	547.5	560.6	577.1	590.9
7.5°	480.2	481.5	482.7	490.3	497.1	510.3	519.7	526.5	544.8	569.3	592.5
10°	457.6	457.6	459.5	468.1	476.1	492.4	501.8	510.5	532.3	562.3	594.4
12.5°	440.9	441.2	443.4	453.3	462.5	479.4	489.3	497.7	521.8	555.3	594.8
15°	433.1	432.5	434.4	444.9	455.1	471.0	481.3	489.5	514.4	551.4	596.8
17.5°	431.1	430.7	432.1	442.4	452.9	468.3	478.4	486.6	513.3	552.6	603.0
20°	437.0	436.2	435.6	444.4	454.3	469.5	480.0	489.3	518.3	559.4	612.5
22.5°	451.2	451.2	449.8	454.1	460.7	474.5	485.4	497.5	531.2	573.0	626.5
25°	477.4	475.3	472.6	474.5	473.7	482.3	495.2	512.1	555.7	595.4	643.5
27.5°	507.2	509.0	504.5	504.7	497.5	494.4	509.4	534.9	592.1	627.1	668.8
30°	547.7	546.3	546.5	545.8	529.2	514.6	530.8	564.8	638.0	675.4	701.7
32.5°	579.4	581.4	588.2	592.1	570.3	546.9	564.1	605.3	690.2	730.5	742.0
35°	612.9	616.6	630.4	643.1	624.8	597.9	616.4	659.0	739.4	785.0	788.3
37.5°	648.3	655.7	672.1	694.5	691.7	667.8	684.7	722.1	778.0	817.9	826.6
40°	688.8	696.0	722.9	755.2	762.0	756.6	762.2	784.0	803.5	819.4	843.0
42.5°	733.2	743.1	777.2	820.4	845.9	850.6	837.7	835.4	814.6	802.9	839.5
45°	785.6	797.2	835.8	891.8	932.3	938.7	916.2	887.2	821.6	790.8	829.0
47.5°	844.5	855.4	893.8	961.1	1021.3	1023.8	984.7	938.0	842.4	804.8	837.1
50°	864.2	871.0	904.3	983.3	1094.4	1113.3	1056.7	995.2	884.2	845.9	876.1
52.5°	796.3	799.0	828.0	907.8	1079.5	1201.1	1161.8	1080.6	958.4	908.6	936.4
55°	631.0	626.7	650.1	723.3	938.3	1183.2	1257.0	1214.7	1054.0	982.3	1014.8
57.5°	441.4	436.2	430.9	480.4	700.1	1003.0	1158.3	1233.4	1145.2	1055.3	1099.3
60°	362.8	357.9	331.9	309.1	423.3	720.2	889.7	1031.0	1137.7	1051.6	1096.6
62.5°	313.4	310.6	300.1	269.0	249.1	411.1	557.2	692.5	873.1	825.8	828.2
65°	246.2	245.4	252.6	255.8	220.3	227.5	284.2	359.9	472.0	445.1	422.0
67.5°	168.2	166.4	180.0	221.3	211.8	179.5	166.4	167.8	204.2	124.8	99.1
70°	106.9	102.6	102.8	137.2	172.3	141.7	128.3	112.9	101.6	18.5	21.0
72.5°	68.5	65.8	56.6	61.9	79.8	69.1	69.7	60.1	40.1	9.9	11.5
75°	28.8	26.5	20.4	16.2	16.0	10.1	8.8	8.2	5.6	5.6	6.0
77.5°	0.2	0.0	0.0	0.2	0.4	0.2	0.2	0.4	0.8	1.2	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1
2.5°	594.4	589.4	595.0	597.1	596.8	597.1	591.1	587.0	586.8	581.6	579.2
5°	596.6	592.7	596.8	594.2	587.8	579.8	569.1	559.8	555.7	549.7	546.9
7.5°	601.0	596.8	596.2	585.5	569.7	552.8	533.9	517.0	508.0	497.1	497.7
10°	604.0	599.3	591.3	569.5	543.2	516.2	488.0	463.0	447.1	432.5	430.0
12.5°	605.3	598.3	579.6	546.7	509.6	474.5	433.1	397.3	372.7	353.5	350.9
15°	607.5	596.2	564.6	519.1	468.3	418.5	365.9	316.9	284.2	262.2	264.1
17.5°	611.0	594.0	547.7	488.3	423.9	353.5	282.4	226.2	196.2	183.5	183.7
20°	616.0	591.3	529.2	454.3	370.6	280.1	197.4	155.1	146.6	146.2	145.6
22.5°	622.6	588.6	509.4	417.1	307.5	196.2	131.4	118.3	121.8	128.5	129.8
25°	630.4	585.3	487.4	375.1	238.6	128.7	98.5	96.5	104.9	113.9	116.0
27.5°	642.5	583.7	462.3	327.4	167.4	92.3	80.6	81.9	89.5	97.1	98.9
30°	663.1	586.8	435.0	273.9	107.6	73.6	69.9	71.8	75.9	79.8	81.4
32.5°	691.0	595.8	408.5	215.5	76.7	64.0	63.1	64.2	65.8	68.1	68.7
35°	723.7	611.4	381.1	154.3	63.3	58.4	57.6	57.6	58.4	58.8	59.0
37.5°	750.7	627.9	355.4	102.6	56.8	54.1	52.9	52.2	52.0	52.4	52.7
40°	762.4	634.7	327.4	74.7	52.0	50.2	48.3	46.5	46.5	47.9	48.1
42.5°	754.2	627.1	295.1	61.7	48.7	46.1	43.2	41.5	42.4	43.8	44.2
45°	736.7	608.4	259.6	54.5	45.5	42.0	38.7	37.6	38.5	40.3	40.7
47.5°	733.8	596.0	217.0	49.8	42.0	38.5	35.0	33.9	35.0	36.4	36.8
50°	762.4	606.7	169.7	45.7	38.7	34.8	31.9	30.9	31.5	32.3	32.7
52.5°	814.6	646.4	137.0	41.8	34.8	31.1	29.2	28.0	28.0	28.8	29.0
55°	891.8	715.7	118.3	37.2	30.2	28.2	26.5	25.3	25.3	25.7	25.9
57.5°	980.6	799.6	122.6	31.3	26.5	25.5	24.1	23.0	23.4	23.4	23.4
60°	968.3	793.5	131.2	26.3	23.4	23.0	21.8	21.4	22.4	21.6	21.2
62.5°	713.3	548.1	68.7	21.6	20.2	19.7	18.9	19.7	21.2	18.9	18.1
65°	346.3	265.3	27.6	17.7	17.1	16.7	16.2	17.5	18.3	14.8	14.0
67.5°	81.4	66.2	17.9	15.0	14.2	13.4	13.8	14.0	13.4	10.1	9.7
70°	21.2	20.8	14.0	12.5	11.3	10.5	10.5	10.3	8.8	6.4	6.0
72.5°	11.5	11.3	10.1	9.5	7.8	7.0	7.2	6.4	4.9	3.7	3.5
75°	5.8	6.2	5.8	5.3	4.3	3.9	3.9	3.5	2.5	1.4	1.4
77.5°	1.2	1.4	1.4	1.2	1.0	0.8	0.8	1.0	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)