

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: P628958

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2274.4 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

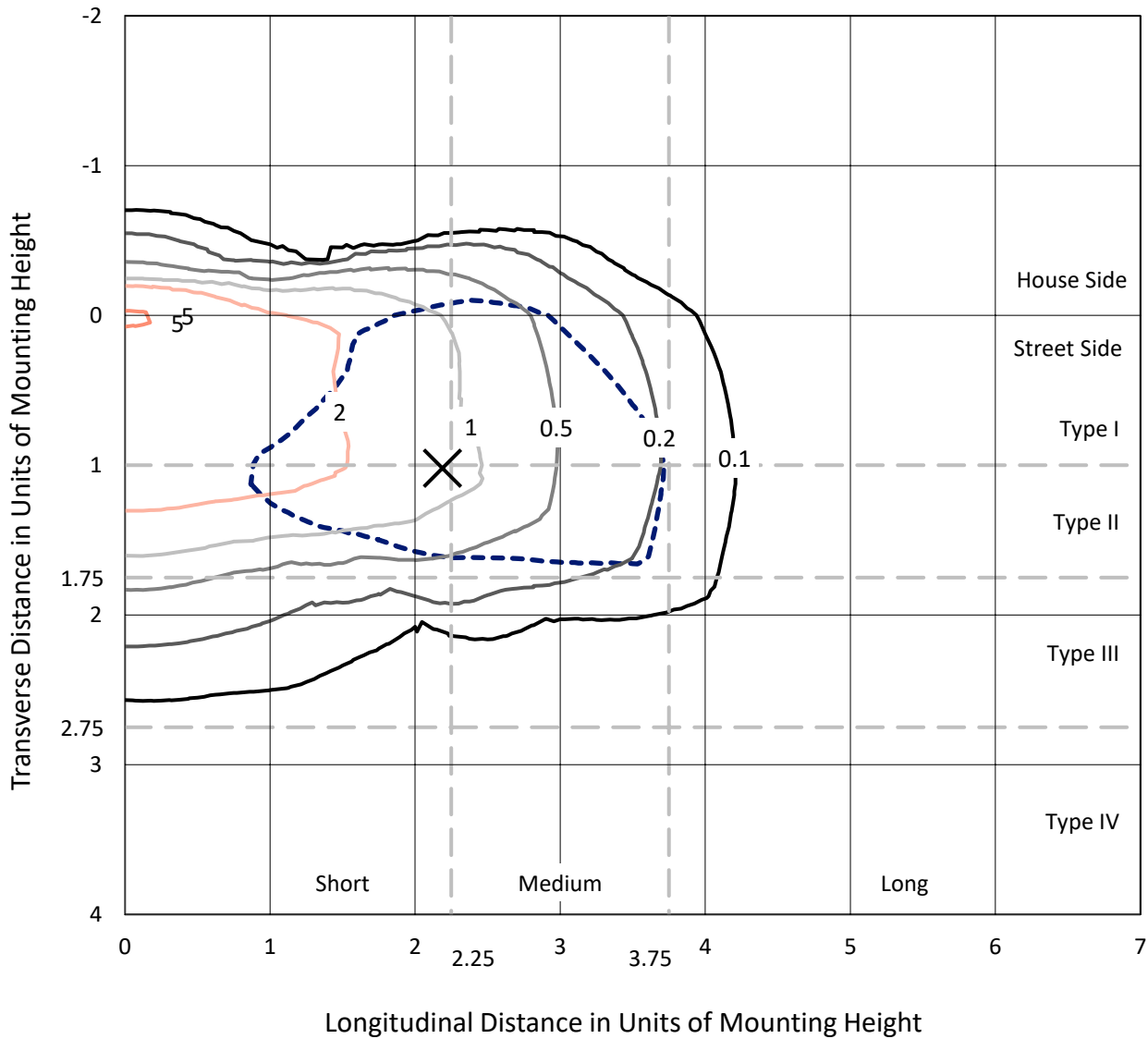
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

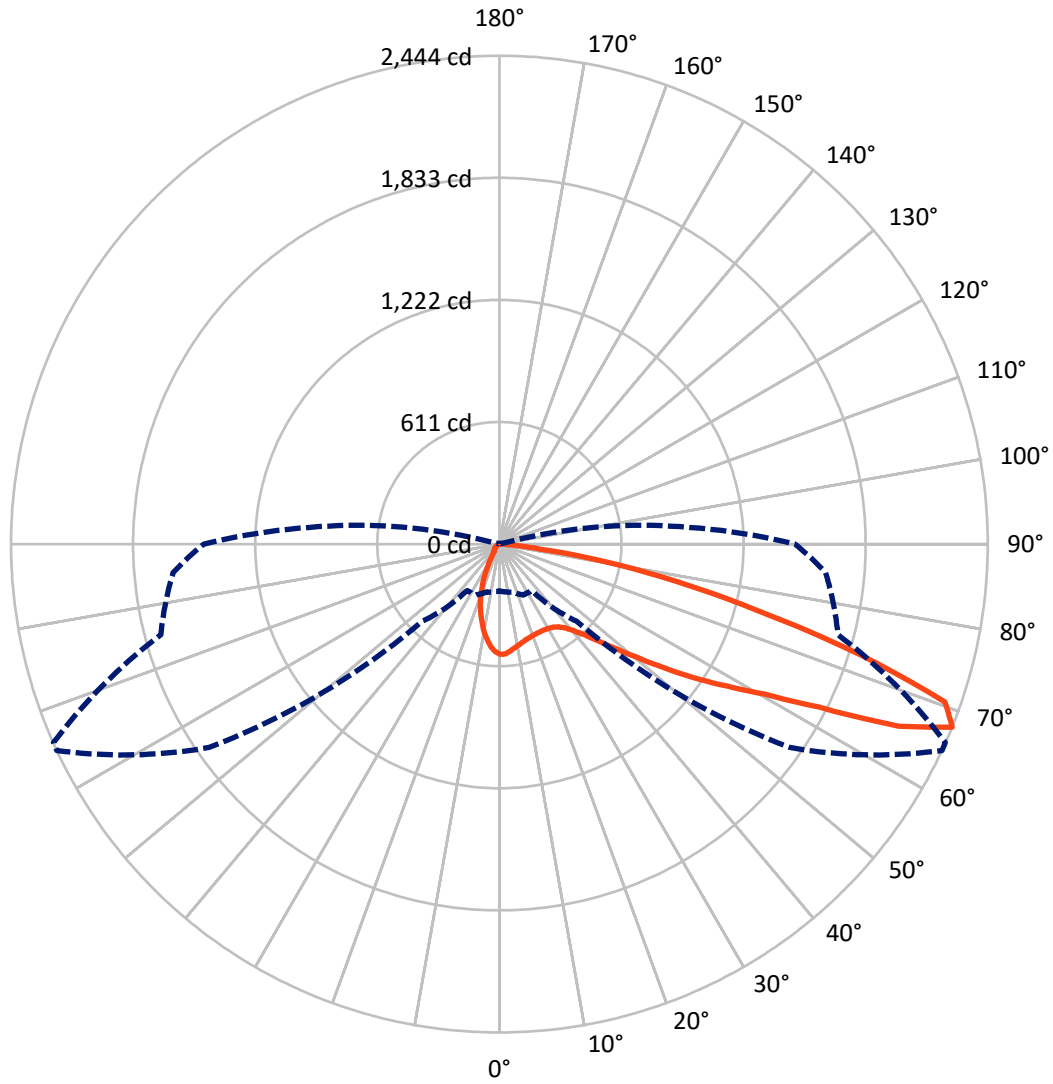
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	284.0	0.0	284.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	1990.4	0.0	1990.4
	% Fixture	87.5	0.0	87.5
Total	Lumens	2274.4	0.0	2274.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	2.0
10°-20°	103.0	4.5
20°-30°	147.2	6.5
30°-40°	214.1	9.4
40°-50°	335.3	14.7
50°-60°	523.1	23.0
60°-70°	574.6	25.3
70°-80°	305.8	13.4
80°-90°	25.5	1.1
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°	2274.4	100.0
0°-180°	2274.4	100.0

Coefficient of Utilization



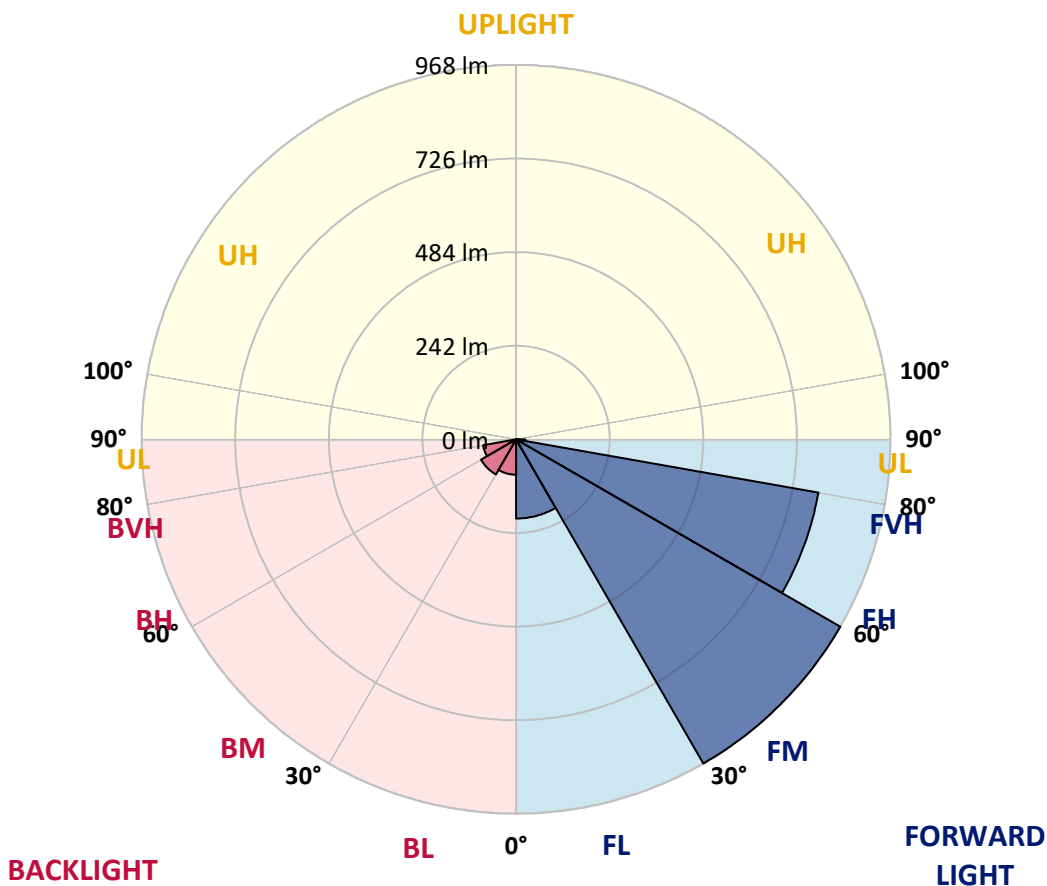
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.7	9.0			
FM (30°-60°)	967.9	42.6			
FH (60°-80°)	793.7	34.9			G1/1800
FVH (80°-90°)	24.1	1.1			G1/100
BL (0°-30°)	91.3	4.0	B0/110		
BM (30°-60°)	104.6	4.6	B0/220		
BH (60°-80°)	86.8	3.8	B0/110		G0/110
BVH (80°-90°)	1.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6
2.5°	532.5	534.1	531.9	537.4	538.5	544.6	548.1	550.6	550.4	553.5	553.5
5°	501.2	502.9	501.6	507.6	512.3	522.0	530.0	539.3	539.7	549.1	552.6
7.5°	474.7	474.9	474.9	482.3	488.5	500.4	512.3	526.5	528.2	542.8	552.0
10°	452.9	453.5	453.7	462.1	468.9	483.3	498.6	515.6	517.5	537.2	551.6
12.5°	437.9	438.1	438.9	447.7	455.2	470.2	485.6	505.1	507.6	530.8	549.8
15°	430.7	430.3	430.7	438.1	445.5	459.9	475.7	496.7	499.4	525.5	550.0
17.5°	430.3	429.6	429.2	434.8	439.5	452.3	468.3	491.1	494.0	523.0	552.2
20°	436.2	435.8	433.8	436.2	437.3	447.7	463.6	486.8	489.7	522.6	557.2
22.5°	451.9	450.8	447.7	445.5	439.9	446.1	460.3	483.7	487.0	523.6	563.5
25°	475.1	474.7	470.8	465.2	451.0	448.6	460.5	483.7	486.8	524.9	570.3
27.5°	510.1	507.6	502.7	493.0	472.6	458.2	464.6	485.0	488.1	526.5	575.9
30°	545.6	545.4	543.8	533.9	503.7	476.7	473.3	488.3	491.1	528.0	581.0
32.5°	582.5	583.1	587.2	579.6	546.5	504.3	488.9	495.1	497.1	530.8	585.5
35°	617.4	618.7	629.6	632.2	598.5	546.1	514.4	508.6	508.8	537.2	591.5
37.5°	651.0	655.1	672.5	685.5	663.3	596.7	551.2	531.7	530.0	550.0	600.6
40°	689.0	696.8	718.8	740.8	733.8	663.5	601.4	567.0	563.5	573.4	616.8
42.5°	731.2	739.6	768.8	799.7	802.9	744.3	664.1	618.7	612.7	612.9	647.3
45°	776.4	787.7	821.7	866.1	886.0	834.4	741.4	688.4	682.4	673.6	696.2
47.5°	835.9	845.7	878.4	929.6	967.9	931.1	842.8	778.1	767.2	754.2	772.3
50°	887.1	895.7	923.9	988.1	1067.6	1055.7	957.8	890.2	879.7	857.7	872.7
52.5°	898.4	905.2	931.1	1003.3	1144.0	1213.1	1098.7	1025.7	1018.3	977.6	983.3
55°	847.6	857.9	881.1	961.3	1163.9	1366.9	1281.5	1178.5	1163.1	1098.1	1108.4
57.5°	719.2	737.5	759.3	863.6	1109.8	1448.8	1537.0	1340.4	1326.4	1214.1	1214.3
60°	527.1	541.9	556.5	652.0	981.5	1443.2	1768.8	1522.2	1496.7	1308.9	1305.4
62.5°	383.4	391.0	390.8	424.7	674.0	1348.2	1890.5	1796.1	1736.7	1410.3	1390.3
65°	301.5	301.3	310.2	321.3	376.4	1040.7	1905.6	2196.2	2132.0	1546.2	1504.7
67.5°	234.7	239.2	248.0	280.7	282.8	544.6	1773.5	2443.6	2442.4	1753.8	1638.6
70°	181.0	187.2	199.7	247.4	261.2	304.8	1327.0	2365.2	2385.2	1846.5	1543.8
72.5°	116.2	115.8	134.3	199.9	250.9	254.0	733.8	1878.8	1901.4	1672.5	1248.2
75°	65.0	65.4	75.9	122.4	233.8	239.0	363.4	1339.8	1357.6	1304.0	959.1
77.5°	25.5	26.3	35.6	64.4	154.3	213.5	216.0	913.6	916.3	808.1	588.2
80°	10.3	10.9	18.1	39.9	94.0	143.8	154.3	538.2	527.3	312.8	171.1
82.5°	3.1	3.3	7.2	22.6	49.2	102.2	104.1	206.5	195.0	67.3	43.6
85°	0.2	0.2	1.6	7.0	17.5	25.7	69.3	67.3	59.6	16.9	19.3
87.5°	0.0	0.0	0.2	0.2	0.4	0.8	7.4	12.3	12.5	3.1	8.6
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°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6
2.5°	553.5	546.1	545.4	539.7	533.9	526.7	518.3	512.1	507.8	500.2	498.8
5°	552.6	542.8	533.5	517.1	498.8	479.0	461.7	445.7	435.6	428.8	425.9
7.5°	551.0	538.5	517.1	486.0	455.4	420.8	393.9	369.2	352.3	342.4	338.1
10°	549.8	532.9	498.1	451.0	403.5	355.8	314.9	278.3	257.9	241.9	239.2
12.5°	547.3	524.9	473.9	410.1	348.8	285.5	233.2	188.4	157.3	143.4	138.4
15°	544.8	516.4	449.6	366.9	289.2	211.0	147.7	104.5	83.1	76.5	76.1
17.5°	544.4	508.8	423.3	326.0	226.7	138.2	84.1	67.7	63.1	61.5	61.5
20°	545.6	502.5	397.4	278.9	165.2	84.1	62.7	58.6	55.9	54.5	54.5
22.5°	546.9	495.9	372.5	231.4	109.6	61.5	55.3	51.8	48.7	47.1	46.3
25°	547.7	488.7	344.9	183.7	71.6	53.5	48.5	44.0	40.3	38.3	38.3
27.5°	547.5	480.0	317.1	137.0	55.5	47.5	41.5	36.8	33.1	30.9	31.1
30°	545.9	470.6	288.4	95.6	48.5	41.5	35.6	30.6	26.9	25.1	24.9
32.5°	544.6	460.5	255.0	67.3	43.6	36.4	30.2	25.5	22.4	21.0	20.8
35°	543.2	450.6	223.4	51.2	39.3	31.5	25.5	21.6	19.1	17.9	17.9
37.5°	543.6	440.3	189.0	44.0	35.0	27.4	21.8	18.5	16.5	15.2	15.0
40°	550.0	434.2	155.3	39.9	31.1	23.7	18.9	16.0	14.0	12.8	12.5
42.5°	565.8	434.4	123.0	36.8	27.6	20.2	16.5	13.8	11.9	10.5	10.3
45°	597.5	443.0	94.4	33.5	23.9	17.5	14.2	11.7	9.9	8.6	8.4
47.5°	649.3	468.7	71.6	30.6	20.8	15.2	12.1	9.9	8.2	7.2	7.0
50°	731.8	515.2	56.4	27.1	17.5	13.2	10.3	8.2	6.8	5.8	5.6
52.5°	830.9	584.9	48.3	24.1	15.0	11.5	8.8	6.8	5.6	4.7	4.5
55°	944.9	668.2	44.6	21.0	12.8	9.9	7.2	5.6	4.5	3.9	3.5
57.5°	1049.3	743.3	44.4	17.9	10.9	8.4	6.0	4.7	3.9	3.1	2.9
60°	1151.1	806.0	41.8	14.8	9.5	7.0	5.1	3.9	3.3	2.7	2.5
62.5°	1243.5	857.0	35.0	11.9	8.0	5.8	4.3	3.5	2.9	2.3	2.3
65°	1359.5	922.0	26.7	9.7	6.6	4.7	3.7	3.1	2.7	2.1	2.1
67.5°	1479.4	956.4	19.1	8.0	5.3	4.1	3.3	2.9	2.3	1.9	1.9
70°	1340.0	808.1	13.8	6.6	4.5	3.5	2.9	2.7	2.3	1.9	1.6
72.5°	1046.5	582.7	10.3	5.1	3.9	3.3	2.7	2.5	2.1	1.6	1.6
75°	776.0	339.8	7.8	4.1	3.1	2.7	2.7	2.5	2.1	1.6	1.4
77.5°	421.8	118.5	6.0	3.3	2.5	2.1	2.3	2.3	1.9	1.4	1.2
80°	111.7	32.5	4.1	2.5	2.1	1.6	1.6	2.1	1.6	1.2	1.2
82.5°	32.5	9.5	2.9	2.1	1.6	1.4	1.4	1.4	1.2	1.0	0.8
85°	15.8	3.5	2.1	1.6	1.4	1.2	1.0	1.0	0.8	0.6	0.6
87.5°	7.0	1.4	1.6	1.4	1.4	1.0	0.8	0.6	0.6	0.4	0.2
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)