

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: P628992

Luminaire Tested: GWS-SA1A-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2771.3 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

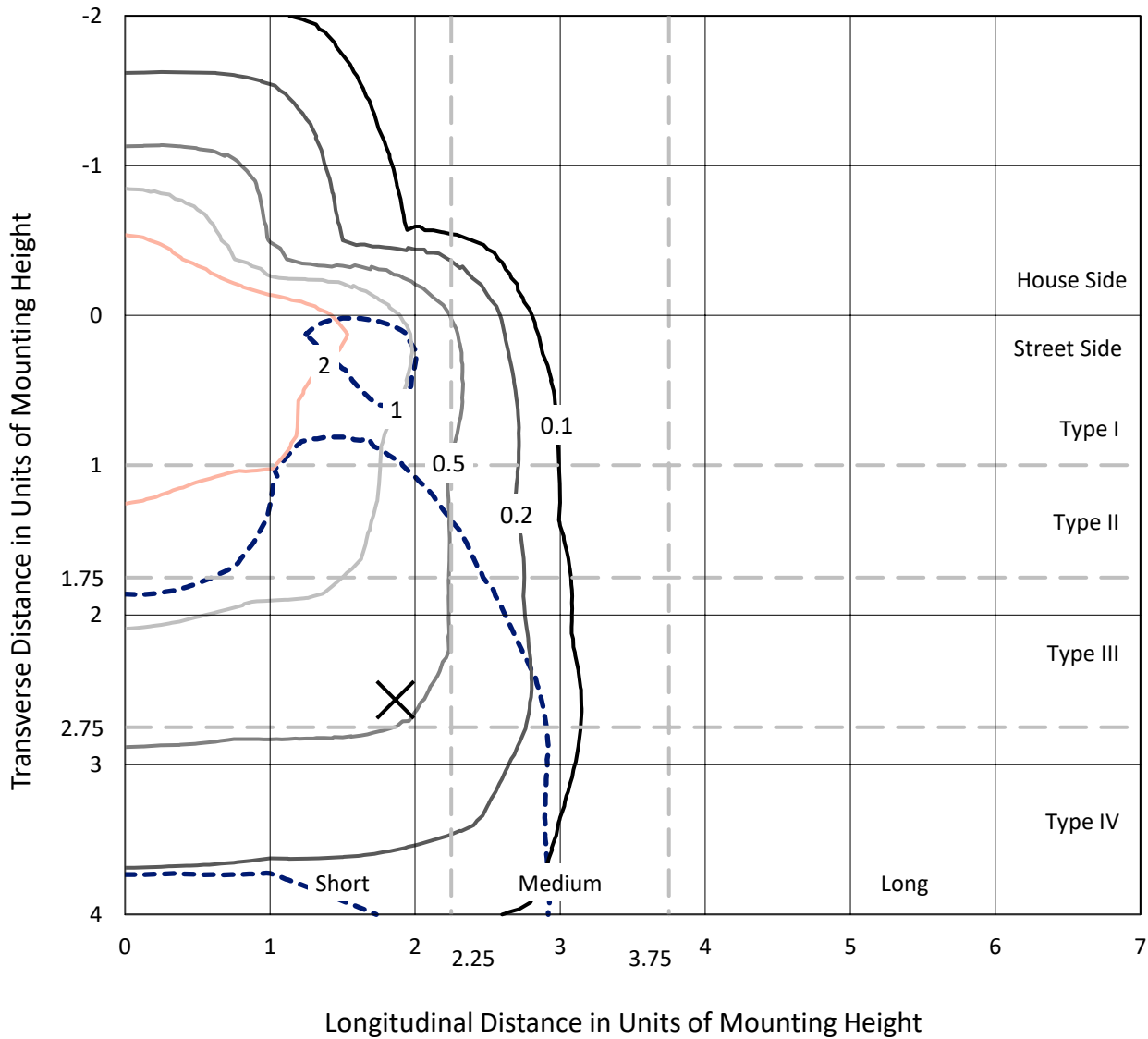
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

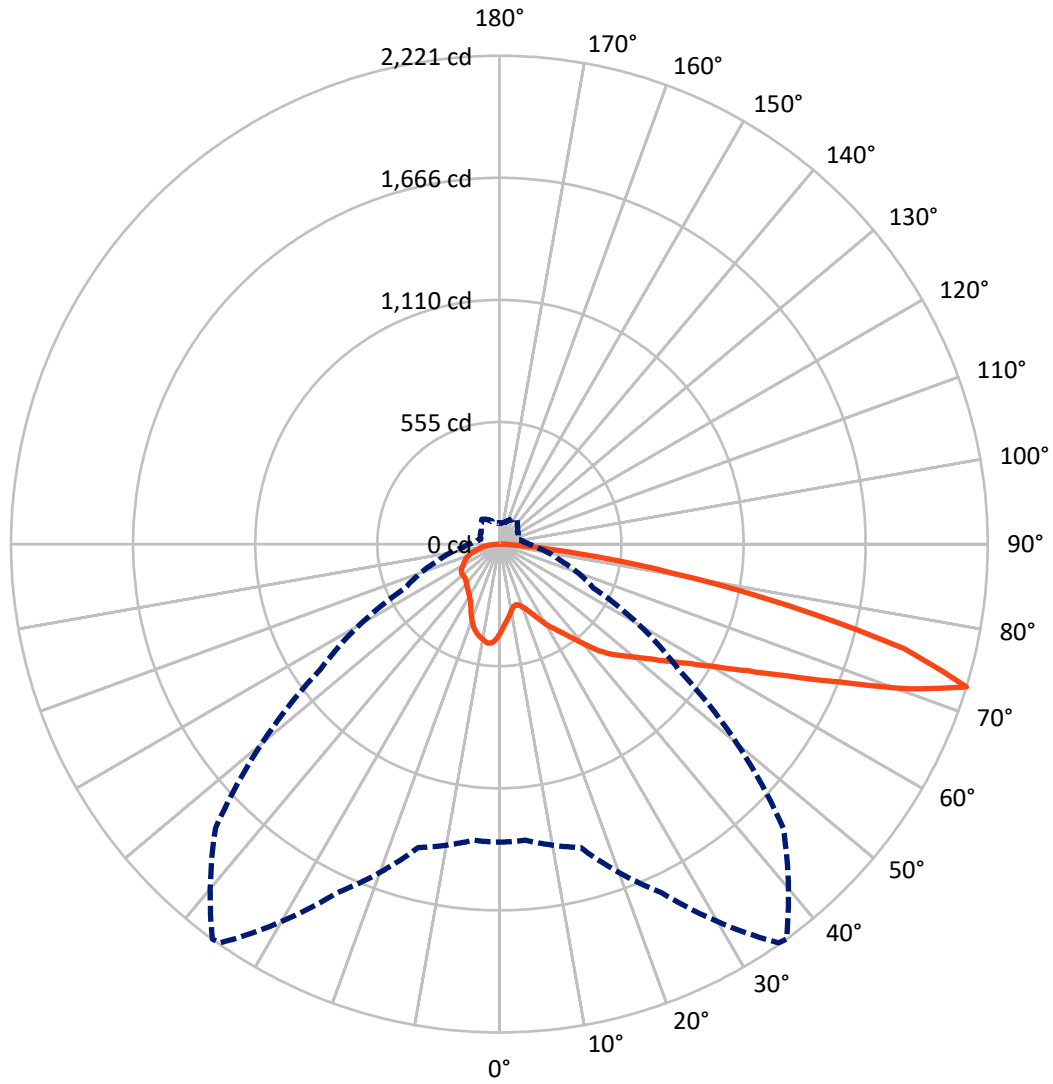
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.9	0.0	638.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2132.4	0.0	2132.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	2771.3	0.0	2771.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	1.4
10°-20°	107.0	3.9
20°-30°	177.1	6.4
30°-40°	265.3	9.6
40°-50°	387.0	14.0
50°-60°	550.9	19.9
60°-70°	696.0	25.1
70°-80°	496.0	17.9
80°-90°	54.1	2.0
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°	2771.3	100.0
0°-180°	2771.3	100.0

Coefficient of Utilization



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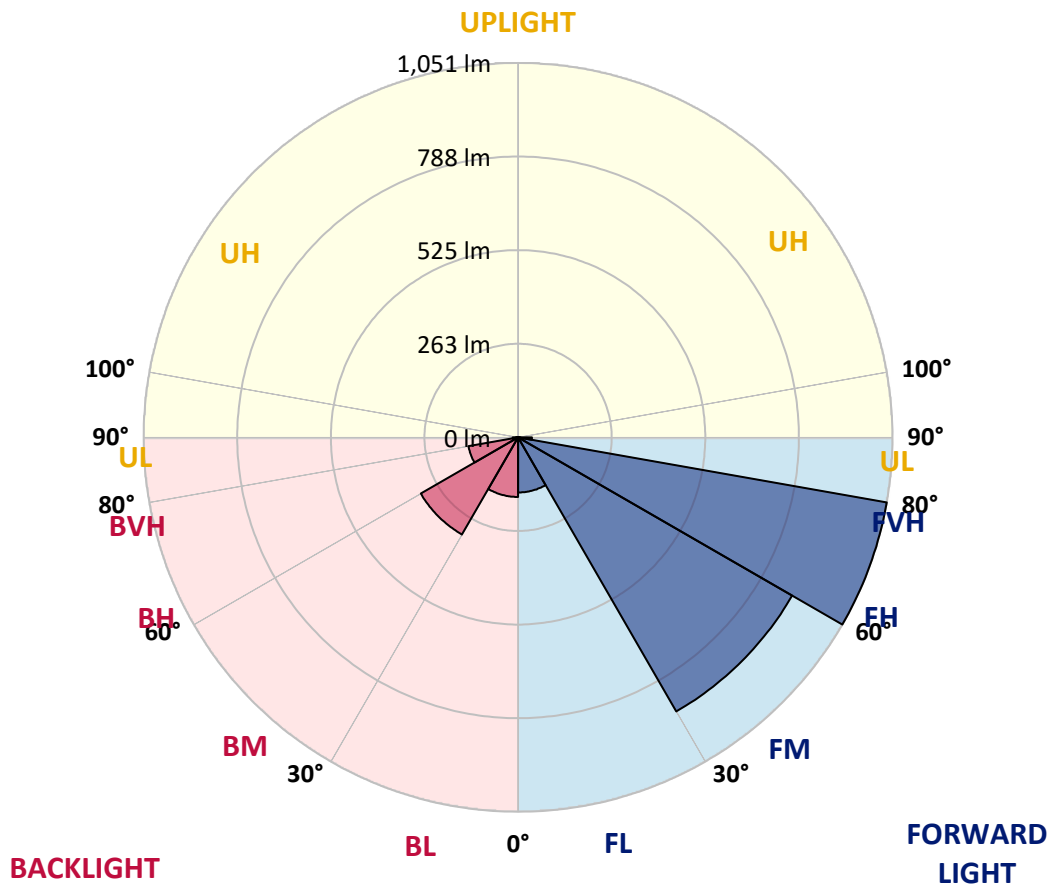
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.7	5.6			
FM (30°-60°)	888.1	32.0			
FH (60°-80°)	1050.7	37.9			G1/1800
FVH (80°-90°)	38.9	1.4			G1/100
BL (0°-30°)	167.3	6.0	B1/500		
BM (30°-60°)	315.1	11.4	B1/1000		
BH (60°-80°)	141.2	5.1	B1/500		G1/500
BVH (80°-90°)	15.3	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6
2.5°	370.0	369.4	368.2	371.9	375.6	375.2	380.3	385.2	390.6	396.1	403.5
5°	340.4	340.0	339.0	344.5	350.1	349.9	358.3	366.3	377.2	389.1	403.9
7.5°	310.8	309.7	311.2	318.2	326.0	326.8	338.3	351.5	367.3	385.2	406.2
10°	284.7	284.4	285.1	292.9	304.6	305.4	320.2	338.5	359.5	383.4	411.4
12.5°	277.9	277.5	275.8	279.7	288.6	289.8	306.0	328.5	354.2	384.4	418.3
15°	289.0	287.9	282.2	280.3	284.7	285.7	299.5	322.5	351.1	386.3	427.2
17.5°	308.1	307.5	296.6	289.0	291.9	292.7	303.0	321.5	350.3	390.0	438.1
20°	336.1	333.4	316.3	304.8	304.8	306.0	312.2	326.0	351.3	394.5	450.4
22.5°	373.1	367.7	343.7	328.1	323.9	325.6	328.3	337.3	355.6	402.1	465.9
25°	414.6	409.7	381.1	359.1	353.4	354.0	351.7	353.4	365.1	412.6	485.0
27.5°	458.9	455.6	425.1	397.2	388.1	388.1	380.1	376.2	378.2	424.5	506.4
30°	498.4	493.8	468.1	437.5	425.5	425.5	410.3	401.9	397.0	439.1	535.0
32.5°	519.1	516.5	499.4	475.9	461.3	459.1	445.9	436.0	424.5	460.7	573.6
35°	546.3	545.7	535.4	517.1	498.6	495.3	486.2	478.4	458.5	487.7	625.0
37.5°	580.4	579.4	577.7	566.8	544.6	544.0	536.0	526.5	500.6	526.5	687.4
40°	618.7	616.8	614.8	614.6	601.2	598.9	598.3	587.6	551.4	573.4	752.4
42.5°	671.3	664.9	645.6	654.3	664.1	662.1	669.9	653.8	614.8	629.2	813.9
45°	736.1	720.5	682.2	684.7	709.6	713.7	740.8	736.9	684.5	693.5	878.6
47.5°	775.0	761.4	725.8	723.8	754.8	760.0	819.0	826.4	759.6	771.1	958.7
50°	806.9	797.4	768.2	771.1	804.0	809.1	896.5	912.4	830.3	850.5	1051.6
52.5°	845.3	831.8	809.1	822.7	863.0	869.2	982.7	999.8	894.1	937.7	1147.9
55°	866.9	861.4	861.8	882.6	933.1	941.6	1073.0	1070.1	952.5	1012.3	1220.3
57.5°	916.7	914.6	933.6	941.4	1015.0	1025.9	1163.3	1138.6	1005.5	1070.1	1255.0
60°	1004.5	999.4	1015.8	1027.8	1116.2	1131.6	1264.1	1205.7	1041.5	1113.1	1243.3
62.5°	1127.9	1121.5	1122.2	1141.1	1251.7	1268.0	1376.2	1261.6	1052.6	1119.7	1169.1
65°	1281.4	1272.1	1261.6	1287.3	1431.7	1445.3	1498.1	1302.3	1026.1	1056.3	1014.0
67.5°	1443.2	1435.6	1423.3	1477.2	1664.7	1673.0	1634.9	1298.8	942.0	886.9	711.2
70°	1452.7	1454.5	1512.9	1707.9	1968.9	1971.0	1764.3	1228.5	762.9	574.9	354.4
72.5°	1355.2	1352.1	1428.2	1750.1	2213.7	2220.7	1825.4	995.3	471.4	286.7	166.2
75°	1100.8	1106.1	1186.1	1531.3	1897.4	1903.5	1488.1	586.8	224.0	140.3	106.3
77.5°	473.9	503.7	661.5	1078.8	1358.9	1339.8	767.0	237.8	119.5	100.0	81.4
80°	136.8	148.5	235.7	513.0	814.3	799.9	303.6	89.1	83.3	75.1	58.4
82.5°	44.2	49.0	86.4	204.2	364.9	364.5	115.2	52.7	54.5	51.0	37.6
85°	12.3	14.2	26.5	61.9	112.9	110.7	33.3	24.9	29.0	29.4	18.7
87.5°	0.0	0.0	0.2	0.4	0.4	0.4	0.8	3.7	8.4	10.7	7.6
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°	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6
2.5°	408.1	407.4	415.9	422.5	428.6	432.7	434.0	434.8	436.4	437.3	436.4
5°	410.9	414.0	428.0	438.3	446.5	451.5	451.7	451.3	452.5	451.5	450.8
7.5°	417.1	423.1	440.8	451.7	457.0	457.2	452.3	446.5	443.6	441.2	440.4
10°	425.3	434.2	453.5	460.7	459.1	451.5	440.6	431.5	426.4	422.7	421.8
12.5°	436.6	446.5	464.8	464.6	454.3	440.8	428.0	417.1	409.7	405.4	403.9
15°	447.3	459.9	473.1	463.4	447.1	430.7	414.2	399.6	389.8	383.0	381.7
17.5°	460.5	473.9	479.0	459.5	438.1	416.9	394.9	375.8	362.4	354.4	353.8
20°	475.7	487.7	481.9	452.7	426.4	398.6	368.8	347.4	333.0	325.2	325.8
22.5°	493.4	502.1	482.7	443.4	410.1	372.7	339.4	318.8	309.1	305.0	305.2
25°	512.3	517.9	481.3	430.9	385.2	341.0	309.1	299.7	298.8	297.8	298.2
27.5°	534.8	533.5	477.0	413.2	351.7	304.2	287.9	290.4	293.7	293.3	293.7
30°	564.8	553.1	471.4	388.7	311.8	273.3	275.4	282.4	286.7	287.1	288.4
32.5°	599.1	574.7	462.6	355.4	273.8	256.1	263.7	272.1	277.3	278.3	279.9
35°	640.1	599.3	446.9	313.9	246.4	245.8	252.8	258.5	264.1	264.5	264.5
37.5°	687.2	624.0	422.0	268.0	229.5	236.9	243.5	244.8	246.2	245.0	245.6
40°	730.4	647.9	386.7	226.2	215.8	229.1	234.7	230.6	226.0	223.0	223.6
42.5°	766.6	664.1	339.8	197.0	201.8	222.1	226.4	218.0	209.2	203.4	204.2
45°	807.3	679.1	284.7	177.3	189.8	217.2	220.1	209.2	197.9	189.2	188.0
47.5°	863.4	709.8	235.7	163.5	181.4	214.5	219.3	204.4	189.6	176.7	175.2
50°	932.7	753.2	194.8	154.5	177.5	213.1	219.0	199.3	181.6	166.4	165.4
52.5°	1008.4	795.6	164.5	147.5	173.6	208.8	218.0	193.5	173.2	156.7	155.5
55°	1058.8	812.2	144.2	140.9	167.2	202.0	213.9	188.0	160.4	145.4	143.6
57.5°	1073.6	790.8	130.0	134.9	159.0	192.5	206.1	176.3	152.6	140.7	139.2
60°	1048.1	736.9	121.1	130.0	149.9	180.4	192.5	169.5	146.4	135.7	134.7
62.5°	976.1	653.8	114.4	124.8	140.7	167.6	183.9	161.2	139.7	131.2	129.8
65°	831.3	536.2	108.8	119.5	131.8	155.5	174.4	153.0	132.2	125.9	124.2
67.5°	581.4	376.6	102.8	113.1	123.0	143.8	164.5	145.4	124.6	119.9	118.3
70°	284.2	199.7	95.6	105.7	113.5	131.8	154.7	136.2	114.6	111.9	109.6
72.5°	135.3	111.7	87.2	95.6	100.6	116.0	138.2	122.8	102.6	96.9	93.0
75°	90.7	79.4	76.1	83.7	84.9	97.3	118.5	105.9	90.5	83.9	80.6
77.5°	68.7	60.7	64.0	70.8	68.3	80.0	97.5	94.4	81.7	75.7	74.0
80°	48.3	44.2	50.8	54.9	53.1	68.1	87.8	80.8	67.3	60.7	59.4
82.5°	30.4	29.6	37.4	38.0	38.7	53.9	72.2	63.6	52.2	43.0	39.9
85°	15.2	16.9	22.4	22.4	22.2	27.8	41.1	35.8	28.2	22.4	21.8
87.5°	5.1	7.2	9.7	7.8	6.0	4.7	5.3	6.6	7.0	6.8	6.8
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)