

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: P629129

Luminaire Tested: GWS-SA1B-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2080.1 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

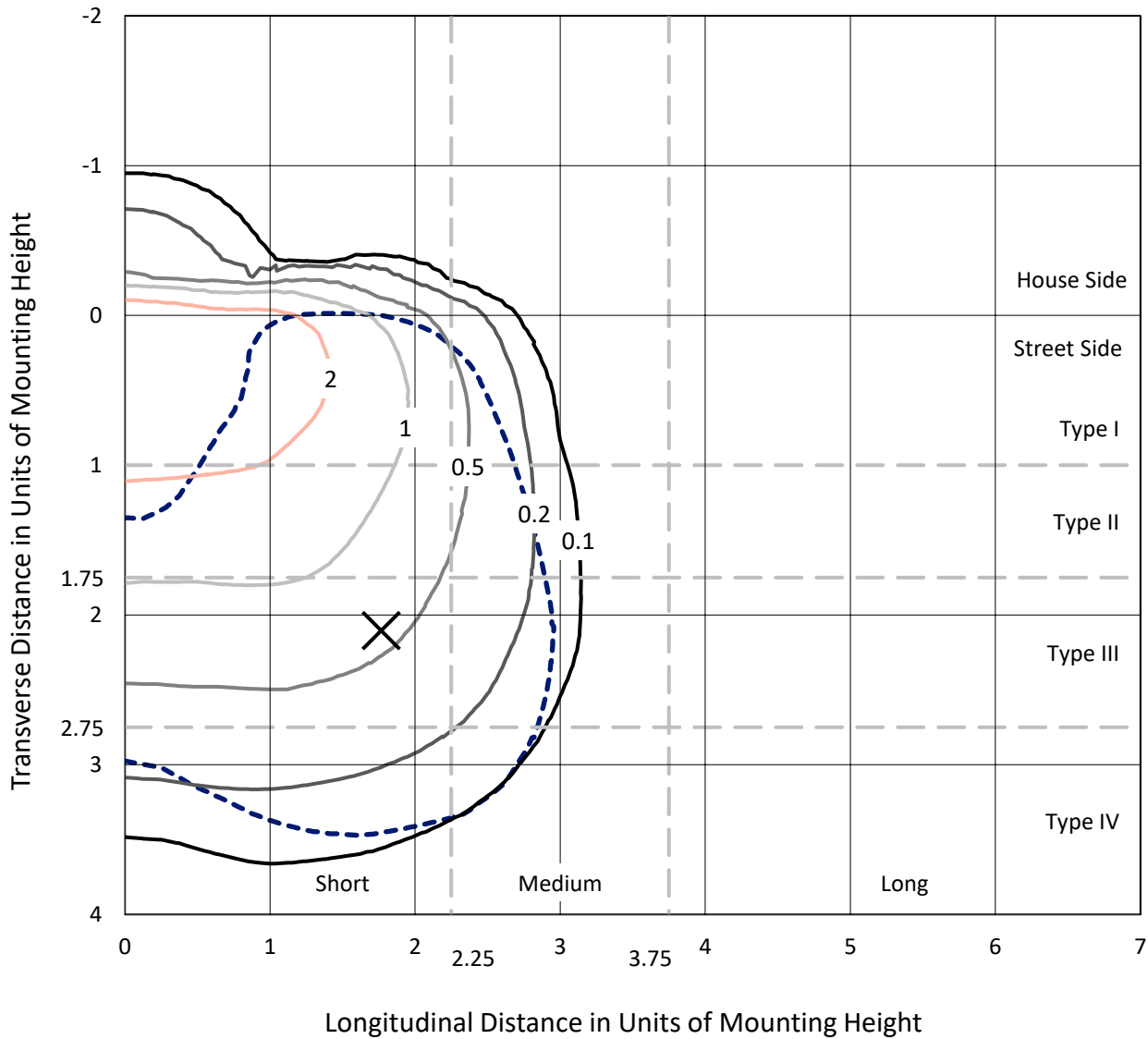
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

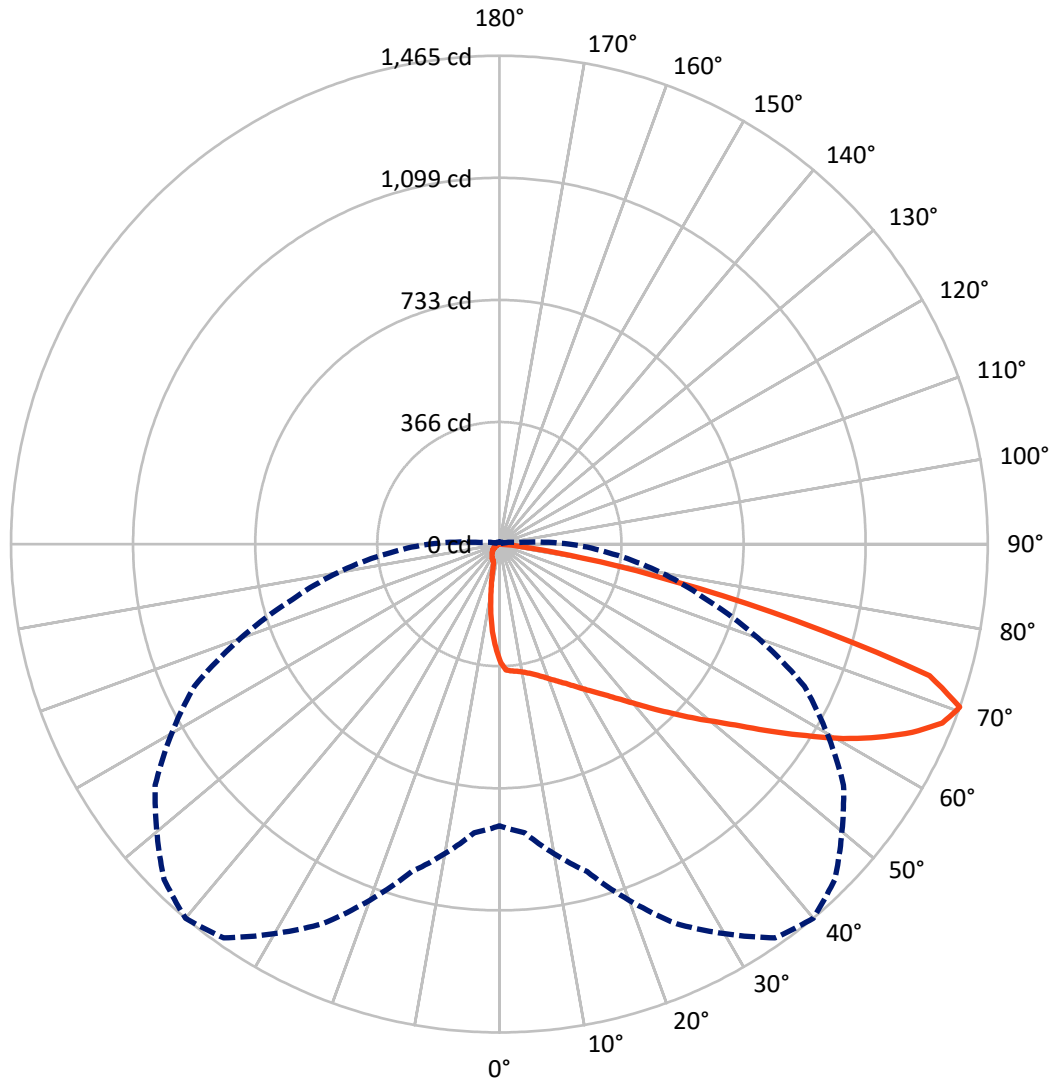
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	170.1	0.0	170.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	1910.0	0.0	1910.0
	% Fixture	91.8	0.0	91.8
Total	Lumens	2080.1	0.0	2080.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	1.4
10°-20°	75.7	3.6
20°-30°	126.6	6.1
30°-40°	198.9	9.6
40°-50°	314.6	15.1
50°-60°	458.9	22.1
60°-70°	568.9	27.3
70°-80°	287.8	13.8
80°-90°	18.8	0.9
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°	2080.1	100.0
0°-180°	2080.1	100.0

Coefficient of Utilization



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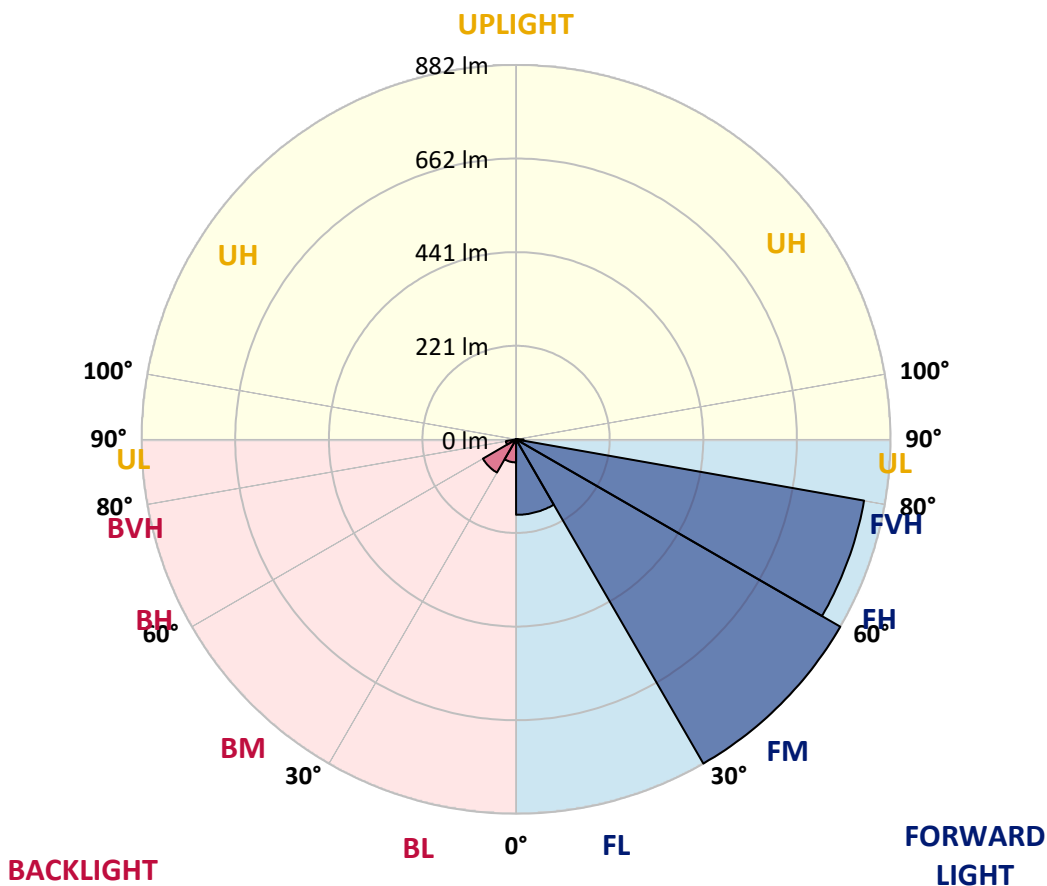
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.8	8.5			
FM (30°-60°)	882.2	42.4			
FH (60°-80°)	832.5	40.0			G1/1800
FVH (80°-90°)	17.6	0.8			G1/100
BL (0°-30°)	54.3	2.6	B0/110		
BM (30°-60°)	90.3	4.3	B0/220		
BH (60°-80°)	24.3	1.2	B0/110		G0/110
BVH (80°-90°)	1.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0
2.5°	379.5	380.8	380.6	381.2	379.8	377.8	377.4	374.5	369.4	363.0	355.8
5°	387.2	388.7	387.6	387.0	384.6	382.3	381.7	378.7	372.8	364.1	351.6
7.5°	393.8	394.2	393.5	392.1	388.5	385.5	383.4	379.3	372.3	363.6	349.2
10°	395.0	394.8	395.2	395.4	393.1	390.4	388.7	383.1	374.2	364.9	349.4
12.5°	393.7	393.7	396.1	399.0	399.0	397.6	395.9	390.8	380.4	369.4	353.2
15°	395.4	395.9	400.7	406.0	407.7	406.3	405.6	400.3	389.5	377.4	360.0
17.5°	401.4	402.0	409.6	417.5	419.6	418.1	416.6	411.3	399.7	386.5	367.7
20°	410.3	411.8	421.5	431.7	433.6	431.7	428.7	421.3	409.7	396.3	375.1
22.5°	426.6	427.5	437.9	448.7	449.7	446.7	442.1	431.9	419.8	406.7	383.4
25°	448.2	449.5	459.9	470.3	467.8	463.3	457.1	445.5	431.7	419.0	394.0
27.5°	473.9	475.4	485.6	494.7	488.3	483.0	476.0	461.6	447.6	436.1	407.7
30°	501.7	503.1	512.1	520.3	511.8	505.5	497.2	482.4	468.2	459.5	427.0
32.5°	528.6	528.4	537.1	543.7	535.0	530.1	522.5	507.6	496.2	492.5	455.7
35°	553.6	553.6	560.8	567.4	561.2	558.5	551.5	539.6	533.1	537.7	494.2
37.5°	578.8	577.4	584.2	591.6	591.1	591.2	587.3	581.6	582.0	598.1	547.0
40°	599.6	599.0	607.0	616.6	624.2	630.2	627.8	629.9	641.8	671.9	614.5
42.5°	616.2	617.6	627.8	643.1	662.2	674.5	676.2	684.7	715.4	762.0	690.8
45°	635.3	635.5	649.7	673.2	703.7	723.2	730.0	751.9	795.5	855.5	774.4
47.5°	658.8	656.5	672.4	705.4	749.5	778.2	790.3	817.8	885.2	946.7	842.6
50°	684.7	680.6	698.6	743.4	800.8	836.7	861.3	901.4	974.1	1021.6	893.3
52.5°	714.8	710.9	731.3	787.1	862.3	906.0	937.6	978.1	1050.4	1078.8	923.6
55°	753.1	749.1	770.7	839.6	934.9	991.7	1024.8	1058.9	1121.4	1121.0	945.5
57.5°	795.5	790.0	819.9	905.8	1025.6	1084.6	1118.3	1135.0	1175.3	1153.7	960.3
60°	844.1	839.2	880.6	984.7	1130.3	1185.0	1206.1	1199.3	1219.6	1173.0	955.2
62.5°	888.0	885.7	937.2	1068.4	1230.0	1276.2	1282.0	1252.3	1252.1	1173.4	920.7
65°	933.6	938.0	1014.4	1164.7	1330.3	1361.3	1351.3	1304.9	1265.2	1127.0	818.9
67.5°	950.6	963.3	1065.3	1251.8	1409.4	1433.6	1416.0	1331.2	1210.9	971.1	623.6
70°	845.4	869.3	1017.3	1256.7	1442.2	1465.2	1423.0	1260.5	1009.5	643.3	341.6
72.5°	642.9	670.7	847.7	1029.0	1297.0	1349.6	1277.5	1026.9	650.7	281.8	114.7
75°	359.8	389.9	631.4	774.8	870.8	918.9	892.4	658.8	288.2	73.6	34.3
77.5°	121.7	131.7	293.7	479.4	574.8	531.6	450.1	327.2	106.0	28.0	18.2
80°	72.1	75.9	109.4	238.7	302.4	250.8	198.0	120.9	53.9	15.0	12.7
82.5°	21.6	25.5	60.4	88.6	118.5	73.8	62.5	69.1	28.0	8.1	10.6
85°	0.0	0.0	12.9	27.4	31.0	12.1	12.1	39.2	5.1	3.4	7.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.6	0.8	1.7
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°	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0	353.0
2.5°	350.7	344.1	336.3	328.9	321.9	312.8	308.5	303.2	298.7	296.2	297.5
5°	343.7	333.3	317.4	301.3	285.0	269.7	255.9	246.6	238.3	233.9	234.9
7.5°	337.6	323.6	298.8	272.5	246.4	220.1	198.7	182.1	169.2	163.9	163.0
10°	335.0	317.4	282.4	244.5	204.4	169.0	138.7	120.4	107.3	100.9	102.0
12.5°	336.3	314.2	268.4	217.1	165.0	123.8	94.8	77.6	68.3	64.5	63.6
15°	340.1	313.4	255.9	189.1	127.4	86.5	65.5	58.5	56.6	56.2	56.2
17.5°	344.5	313.6	243.0	160.7	96.7	64.2	56.0	54.7	54.1	53.7	53.9
20°	348.8	313.6	228.2	131.9	72.7	55.5	53.4	52.4	51.9	51.7	51.7
22.5°	354.1	313.6	211.8	105.2	58.3	52.6	50.9	50.3	49.8	49.6	49.4
25°	360.5	313.8	193.6	82.3	53.0	50.2	48.8	48.3	47.7	47.3	47.3
27.5°	369.8	315.3	173.6	64.2	50.0	47.9	46.7	46.2	45.6	45.0	45.0
30°	383.2	319.1	151.0	53.0	47.1	45.4	44.3	43.9	43.3	42.8	42.6
32.5°	403.3	325.7	127.7	47.5	44.5	42.8	41.4	41.1	40.5	39.9	39.7
35°	431.3	337.8	105.0	44.1	41.1	39.4	38.6	38.4	37.7	37.1	37.1
37.5°	472.4	357.5	83.3	40.7	38.2	36.9	36.0	35.6	34.8	34.3	34.1
40°	522.5	383.1	64.7	38.0	35.6	34.3	33.3	32.7	31.8	31.0	30.7
42.5°	586.5	414.3	51.1	35.2	33.1	31.8	31.0	29.9	28.6	27.4	27.3
45°	653.1	446.5	42.2	32.6	30.8	29.7	28.8	27.3	25.4	24.0	23.7
47.5°	704.2	466.5	36.9	29.7	28.4	27.4	26.3	24.4	22.1	20.6	20.3
50°	740.8	469.6	32.9	27.1	26.3	25.4	23.7	21.4	18.9	17.4	17.0
52.5°	758.7	455.9	29.7	24.6	24.0	23.1	21.0	18.5	15.9	14.4	14.0
55°	766.9	430.2	26.7	22.5	21.8	20.6	18.4	15.7	13.1	11.7	11.4
57.5°	763.7	392.1	24.0	20.4	19.5	18.2	15.7	12.9	10.8	9.5	9.3
60°	739.8	338.8	21.4	18.4	17.2	15.7	13.2	10.6	8.7	7.8	7.6
62.5°	688.3	272.5	18.7	15.9	15.1	13.6	11.4	8.7	7.2	6.6	6.4
65°	582.9	192.7	16.1	13.4	13.1	11.5	9.5	7.2	6.2	5.9	5.7
67.5°	419.0	117.2	13.6	11.5	11.2	9.8	7.9	6.2	5.7	5.5	5.5
70°	210.6	55.5	10.8	9.5	9.5	8.1	6.8	5.7	5.5	5.3	5.3
72.5°	71.5	23.7	8.1	7.4	7.8	7.0	5.9	5.3	5.3	5.3	5.3
75°	24.4	12.5	5.7	5.3	5.7	5.7	5.1	5.1	5.3	5.3	5.3
77.5°	15.9	8.3	4.0	3.6	4.4	4.4	4.4	4.7	5.1	5.1	5.1
80°	13.1	4.5	2.6	2.5	3.2	3.2	3.6	4.4	4.7	4.7	4.7
82.5°	11.2	2.8	1.5	1.7	2.3	2.5	3.0	3.6	4.2	4.4	4.4
85°	7.6	1.5	1.1	1.3	1.5	1.9	2.5	3.0	3.4	3.8	3.8
87.5°	2.1	0.6	0.8	0.9	0.9	1.3	1.9	2.3	2.6	2.8	2.8
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)