

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: P629142

Luminaire Tested: GWS-SA1B-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1977.5 lumens
Efficiency: N/A
Efficacy: 79.1 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

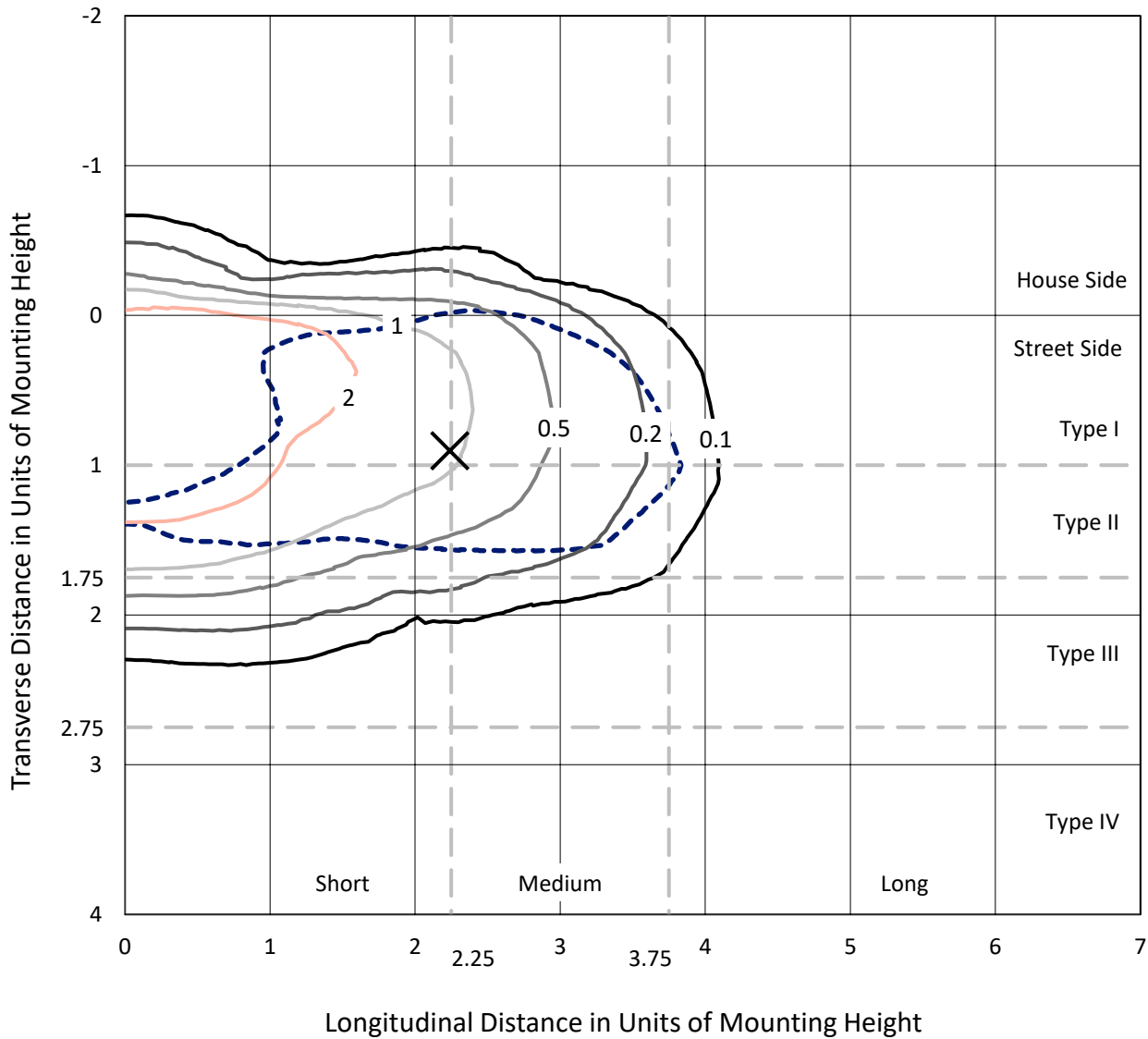
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

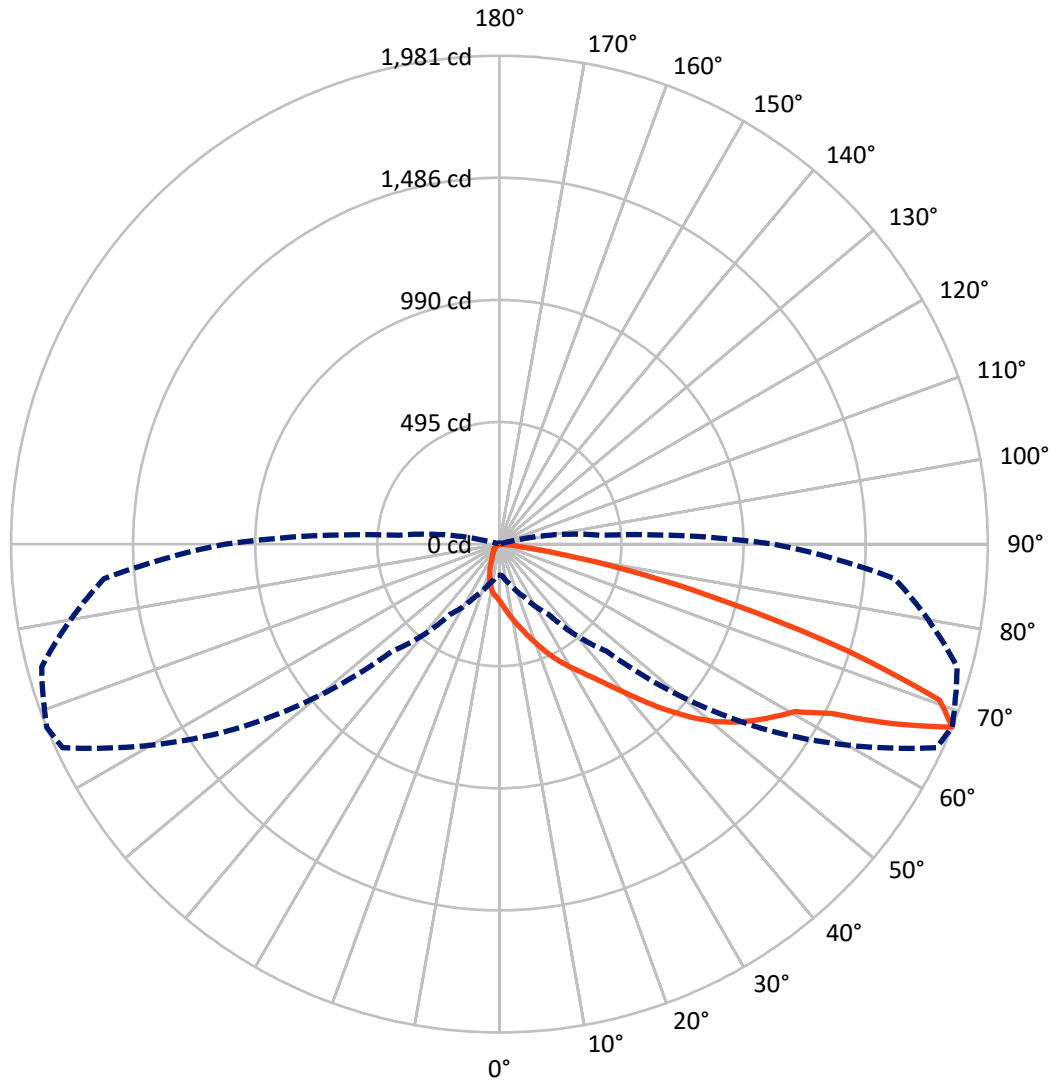
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	142.8	0.0	142.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	1834.7	0.0	1834.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	1977.5	0.0	1977.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	1.1
10°-20°	64.5	3.3
20°-30°	110.8	5.6
30°-40°	192.6	9.7
40°-50°	336.0	17.0
50°-60°	506.8	25.6
60°-70°	508.2	25.7
70°-80°	224.2	11.3
80°-90°	12.0	0.6
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°	1977.5	100.0
0°-180°	1977.5	100.0

Coefficient of Utilization



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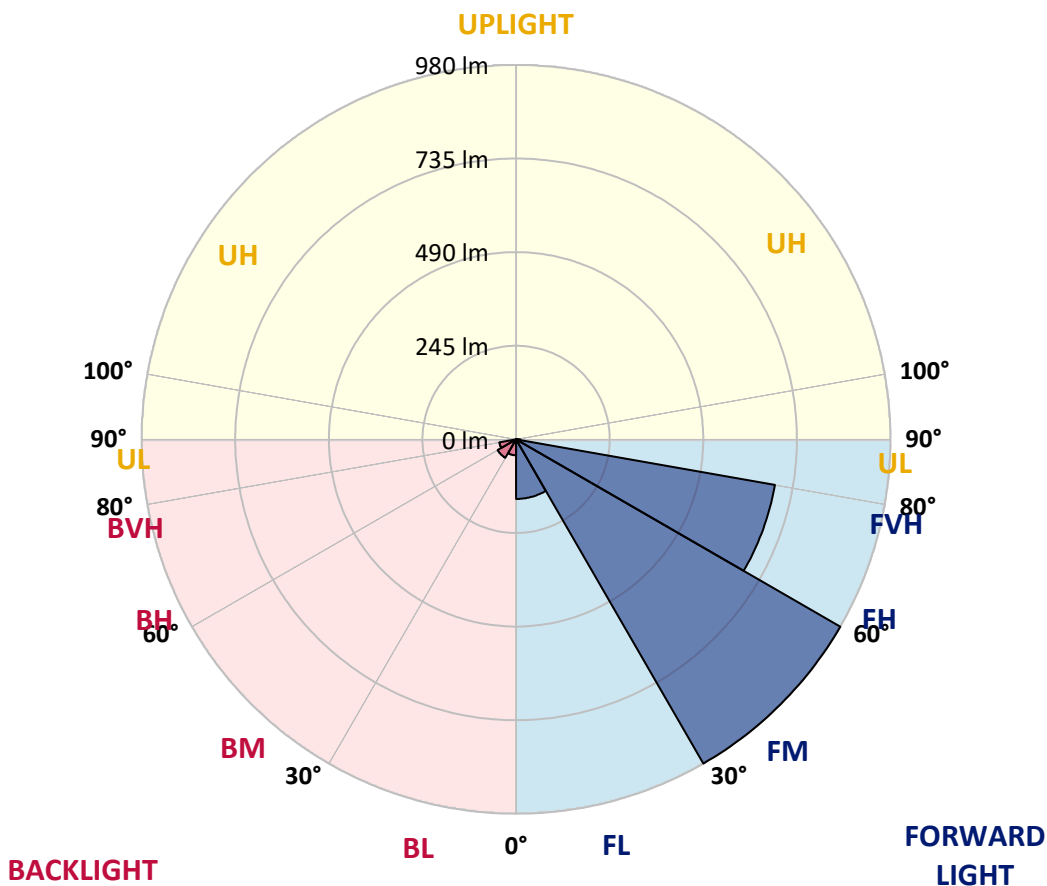
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.9	7.9			
FM (30°-60°)	979.6	49.5			
FH (60°-80°)	687.9	34.8			G1/1800
FVH (80°-90°)	11.3	0.6			G1/100
BL (0°-30°)	41.8	2.1	B0/110		
BM (30°-60°)	55.8	2.8	B0/220		
BH (60°-80°)	44.6	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			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°	68°	75°	85°
0°	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1
2.5°	268.0	269.7	268.0	268.4	263.4	261.2	256.2	249.4	247.7	243.4	236.8
5°	300.7	302.2	300.5	300.2	294.5	290.3	282.2	270.4	267.0	258.5	245.5
7.5°	318.5	319.5	320.0	321.0	318.9	315.5	308.1	293.5	289.9	276.1	257.8
10°	320.4	321.2	324.0	329.7	333.8	335.9	331.8	318.3	312.6	299.2	272.9
12.5°	315.1	316.2	320.8	330.2	341.8	352.4	355.0	343.3	338.2	321.0	290.7
15°	308.1	309.0	315.3	328.2	345.6	365.1	376.0	370.9	365.3	347.3	310.4
17.5°	297.3	298.6	307.3	324.8	347.3	375.1	398.8	400.5	396.5	377.0	332.1
20°	291.3	292.2	300.0	317.9	346.1	382.5	420.0	436.0	431.7	411.2	357.1
22.5°	296.4	297.1	302.2	316.2	342.4	386.6	439.6	471.6	469.2	448.0	383.4
25°	323.2	325.7	322.7	325.1	344.1	388.9	455.5	507.2	507.8	486.4	410.7
27.5°	377.7	374.5	367.3	355.0	357.3	395.0	469.2	540.7	545.6	523.9	434.9
30°	433.2	431.3	427.0	407.8	391.9	408.4	480.7	574.9	582.7	560.8	456.5
32.5°	495.5	497.4	489.6	466.7	439.6	435.7	492.6	607.5	622.1	602.6	481.8
35°	569.8	570.4	555.1	529.7	499.1	480.7	514.0	643.5	670.3	655.9	515.7
37.5°	642.3	645.7	637.4	597.5	570.2	536.7	549.4	689.6	727.5	721.8	558.3
40°	706.5	711.8	709.1	670.5	634.8	606.6	604.3	743.8	796.6	803.0	614.5
42.5°	757.6	761.0	763.1	735.6	704.0	688.1	672.0	806.6	878.1	904.4	683.4
45°	811.5	812.6	817.0	798.5	770.8	772.1	752.1	882.9	964.1	1016.9	762.5
47.5°	880.2	884.0	881.9	862.4	837.4	852.4	834.8	961.4	1048.8	1136.8	843.5
50°	963.9	967.8	965.9	943.2	915.4	921.7	910.7	1037.7	1130.6	1250.0	910.9
52.5°	1007.0	1010.2	1033.7	1043.9	1029.3	989.6	975.4	1121.5	1199.7	1343.1	972.8
55°	986.2	988.5	1039.6	1082.7	1136.1	1096.3	1040.5	1186.2	1260.6	1415.8	1018.7
57.5°	899.9	912.2	981.7	1054.7	1166.9	1201.8	1146.1	1256.6	1319.3	1466.3	1064.0
60°	722.9	722.4	821.9	953.1	1106.7	1230.7	1295.2	1351.8	1378.1	1505.1	1124.5
62.5°	399.5	403.1	535.6	708.4	939.4	1155.8	1407.1	1516.3	1512.3	1572.9	1219.4
65°	198.9	206.1	278.0	405.8	625.1	955.2	1426.4	1767.2	1755.9	1732.4	1415.2
67.5°	126.2	129.1	168.8	235.8	347.5	613.9	1306.2	1954.4	1980.7	1921.7	1609.6
70°	81.8	86.5	117.3	161.2	209.7	316.4	956.9	1833.1	1893.5	1900.8	1488.5
72.5°	44.5	47.9	74.9	115.1	151.4	158.2	537.5	1375.7	1472.8	1612.4	1164.5
75°	25.4	27.8	41.1	78.2	111.1	96.3	238.3	920.9	982.8	1152.4	834.4
77.5°	15.3	17.4	23.1	38.0	69.6	64.3	90.1	560.6	599.9	687.6	437.9
80°	7.0	8.3	14.6	21.0	38.0	30.5	34.4	261.4	269.9	282.2	145.0
82.5°	3.2	3.8	6.6	12.5	21.6	17.6	13.2	60.4	85.0	80.4	36.9
85°	0.4	0.4	2.5	5.1	6.1	4.5	5.5	13.6	17.2	24.2	10.6
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	1.1	1.7	2.5	4.0	2.6
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°	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1
2.5°	233.7	228.4	223.7	216.7	212.0	206.7	203.1	198.7	197.0	195.7	193.8
5°	239.0	230.5	219.0	206.1	195.5	185.5	176.2	170.1	164.8	164.1	161.4
7.5°	247.7	235.1	215.6	194.6	176.6	159.9	146.9	136.3	131.0	129.3	126.2
10°	259.3	241.9	210.4	178.3	152.3	132.5	117.7	105.8	97.5	94.4	92.2
12.5°	272.1	248.1	202.3	158.2	128.7	106.0	87.2	74.6	69.3	67.4	65.7
15°	286.9	254.0	189.4	138.2	105.6	78.0	64.7	59.2	57.0	56.4	55.8
17.5°	301.1	257.8	174.1	117.3	81.2	60.6	54.3	52.2	51.7	51.1	50.7
20°	317.2	260.4	156.1	97.7	63.0	51.3	48.3	46.7	45.6	44.5	44.3
22.5°	333.7	260.4	136.6	78.4	52.8	46.0	42.6	39.7	37.7	36.5	36.1
25°	349.4	256.8	117.3	62.6	46.6	40.9	36.5	33.3	30.5	29.1	28.8
27.5°	360.5	247.5	100.5	53.0	42.2	36.3	31.0	27.4	25.2	23.8	23.7
30°	367.5	233.7	85.0	47.3	38.4	31.6	26.3	23.3	21.6	20.6	20.2
32.5°	372.8	216.7	71.2	43.3	34.8	27.4	22.9	20.4	18.9	18.2	18.0
35°	383.4	200.6	60.9	39.7	31.0	24.0	20.1	18.2	17.0	16.1	15.9
37.5°	398.2	187.2	52.8	36.5	27.4	21.4	18.2	16.5	15.5	14.6	14.4
40°	420.0	178.7	46.7	33.3	24.2	19.3	16.7	15.1	13.8	12.9	12.7
42.5°	453.4	174.7	42.8	30.1	21.4	17.4	15.3	13.4	12.1	11.2	11.0
45°	493.4	176.8	39.4	26.9	19.5	16.1	13.6	11.7	10.4	9.5	9.3
47.5°	536.2	184.1	36.5	23.8	17.6	14.8	12.1	10.0	8.9	7.9	7.8
50°	580.8	196.3	34.1	21.0	16.1	13.2	10.4	8.7	7.6	6.8	6.6
52.5°	619.6	212.7	31.6	18.9	14.8	11.7	9.1	7.6	6.4	5.7	5.5
55°	656.7	228.2	29.7	17.0	13.2	10.2	7.9	6.4	5.5	4.7	4.5
57.5°	697.0	244.7	27.4	15.3	11.9	9.1	7.0	5.5	4.7	4.0	3.8
60°	755.7	269.1	24.0	14.0	10.4	7.9	6.1	4.9	4.2	3.2	3.0
62.5°	840.3	313.6	20.2	12.1	8.9	6.8	5.1	4.2	3.4	2.6	2.3
65°	998.5	389.3	16.7	10.0	7.2	5.7	4.4	3.4	2.6	1.9	1.7
67.5°	1112.4	409.0	13.4	8.1	5.9	4.4	3.6	2.6	1.9	1.3	1.1
70°	972.6	293.7	10.4	6.6	4.9	3.4	2.8	2.1	1.3	0.9	0.8
72.5°	732.8	191.9	7.8	5.1	3.8	2.8	2.1	1.7	1.1	0.8	0.6
75°	516.5	110.9	5.7	3.8	2.6	2.1	1.7	1.3	0.9	0.6	0.6
77.5°	264.8	45.8	4.0	2.6	1.9	1.3	1.1	0.8	0.8	0.6	0.4
80°	80.4	15.1	2.3	1.7	1.3	0.9	0.6	0.6	0.6	0.4	0.2
82.5°	18.4	4.9	1.3	1.3	0.9	0.8	0.6	0.2	0.2	0.0	0.0
85°	4.7	1.5	1.1	0.9	0.9	0.8	0.4	0.2	0.0	0.0	0.0
87.5°	1.7	0.9	0.9	0.9	0.8	0.6	0.4	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)