

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: P629122

Luminaire Tested: GWS-SA1B-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2248.5 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

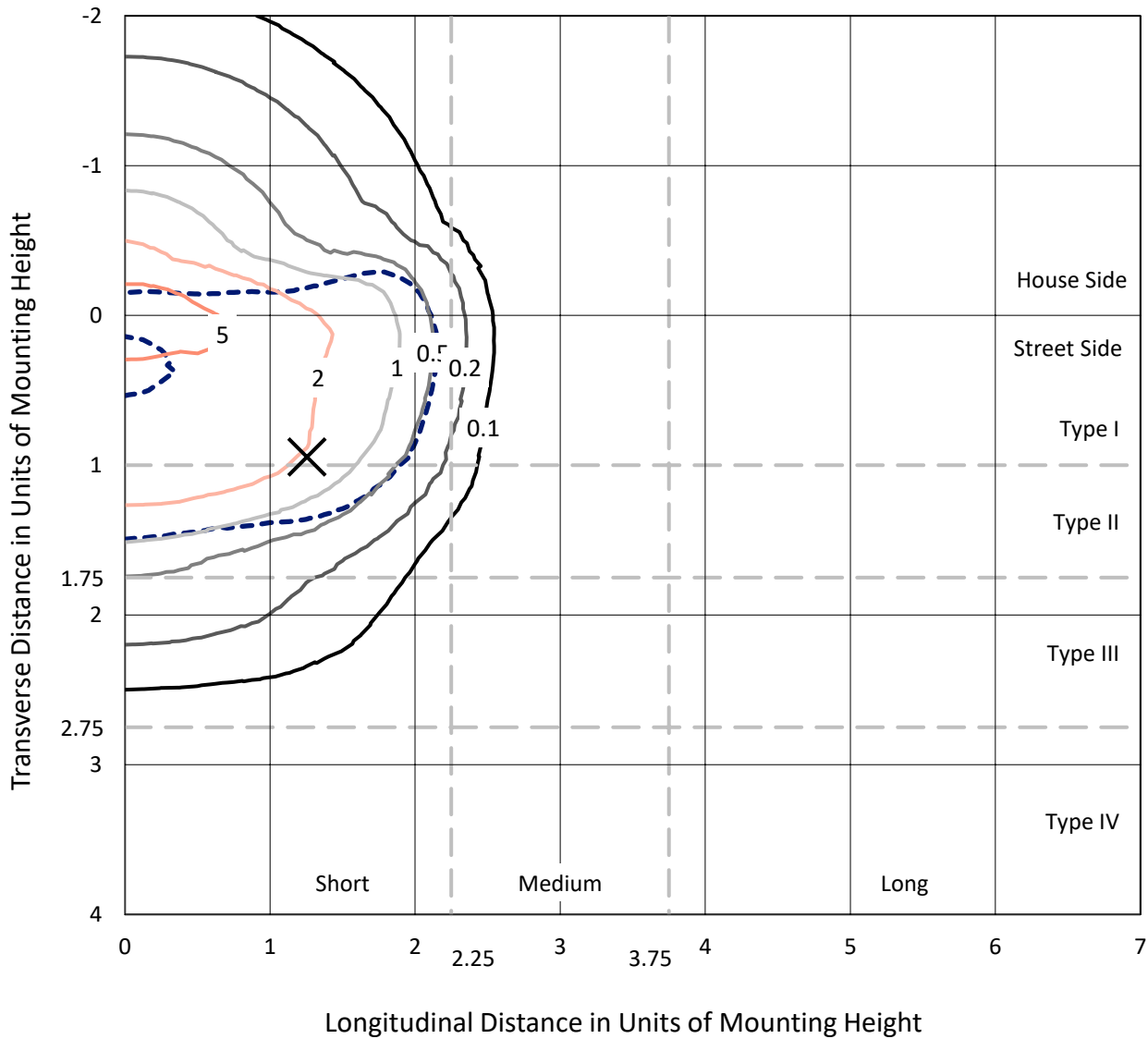
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

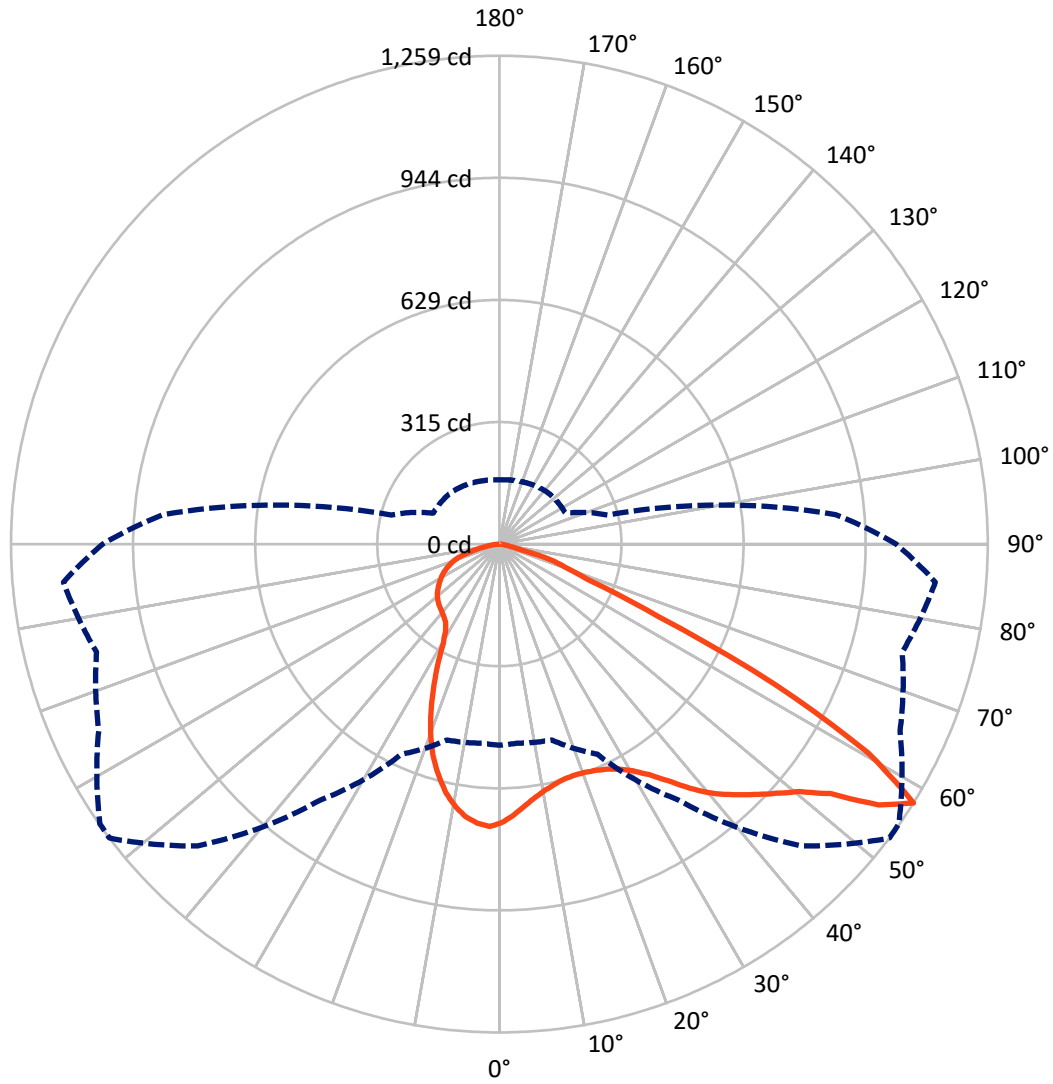
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	703.0	0.0	703.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	1545.5	0.0	1545.5
	% Fixture	68.7	0.0	68.7
Total	Lumens	2248.5	0.0	2248.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	2.9
10°-20°	170.3	7.6
20°-30°	251.0	11.2
30°-40°	351.3	15.6
40°-50°	461.8	20.5
50°-60°	541.5	24.1
60°-70°	319.0	14.2
70°-80°	79.4	3.5
80°-90°	9.3	0.4
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°	2248.5	100.0
0°-180°	2248.5	100.0

Coefficient of Utilization



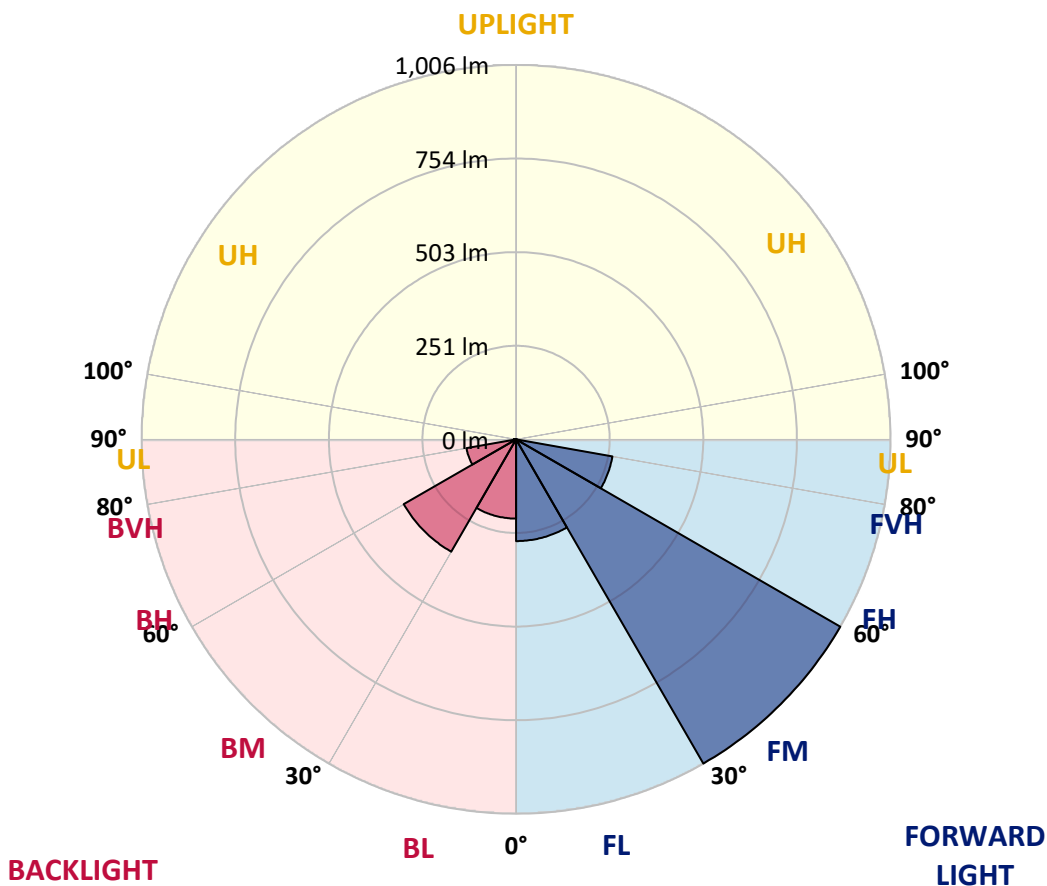
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.4	12.2			
FM (30°-60°)	1006.0	44.7			
FH (60°-80°)	263.0	11.7			G0/660
FVH (80°-90°)	3.1	0.1			G0/10
BL (0°-30°)	212.9	9.5	B1/500		
BM (30°-60°)	348.6	15.5	B1/1000		
BH (60°-80°)	135.4	6.0	B1/500		G1/500
BVH (80°-90°)	6.2	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	676.8	678.6	679.0	684.9	685.3	693.8	699.5	698.3	704.2	711.4	717.1
5°	644.4	644.6	646.5	653.5	657.3	668.4	677.9	677.9	689.2	704.0	716.7
7.5°	617.7	617.5	619.2	627.0	633.2	646.7	659.5	661.0	676.9	698.5	719.1
10°	592.9	594.2	596.1	605.6	613.5	630.2	645.5	648.0	668.0	694.7	722.5
12.5°	577.0	577.2	580.0	590.6	600.9	618.7	634.7	637.8	660.9	691.1	725.0
15°	566.8	567.0	570.0	581.7	593.7	611.6	628.1	631.5	656.7	690.6	729.7
17.5°	562.3	562.1	564.9	576.6	589.7	608.4	626.0	630.2	658.6	694.9	738.1
20°	562.3	562.4	564.0	574.6	587.8	607.7	628.1	633.2	666.0	704.8	750.9
22.5°	570.2	571.0	571.7	578.9	589.3	608.8	633.6	640.4	681.9	721.2	767.8
25°	585.7	585.9	586.7	592.5	597.3	612.0	642.7	652.9	706.7	745.3	789.0
27.5°	606.5	609.2	609.9	613.7	613.7	620.0	656.9	671.6	740.1	779.9	816.0
30°	635.7	636.6	638.0	642.1	637.6	634.9	677.7	696.6	778.9	821.7	848.6
32.5°	661.2	663.3	670.5	677.3	669.2	660.9	708.4	730.7	816.2	865.2	883.2
35°	683.0	688.1	701.9	717.1	711.4	703.1	749.0	772.3	846.9	896.5	913.9
37.5°	709.3	713.3	732.2	756.8	761.9	757.9	798.6	815.3	867.3	904.4	930.5
40°	736.0	742.0	766.5	800.5	820.0	822.9	844.4	855.6	874.3	888.9	927.3
42.5°	763.2	773.6	807.1	846.9	881.5	888.0	883.0	887.8	872.1	867.5	912.4
45°	796.5	808.8	846.7	897.4	943.0	953.1	920.9	916.5	871.7	859.4	903.1
47.5°	835.9	848.2	884.4	943.4	1001.7	1009.1	959.7	951.7	884.9	871.9	915.6
50°	870.7	879.2	911.6	977.7	1056.4	1060.7	1002.4	992.8	917.9	906.5	954.6
52.5°	835.3	834.4	868.5	949.8	1084.8	1137.2	1068.3	1059.0	981.4	964.0	1014.9
55°	708.7	697.9	728.4	808.5	1005.5	1205.1	1186.4	1167.8	1066.2	1021.9	1071.5
57.5°	518.2	515.1	522.5	597.6	805.4	1099.9	1258.7	1257.0	1139.5	1074.9	1127.9
60°	405.2	400.6	381.0	383.0	549.0	859.2	1092.3	1142.5	1184.9	1106.7	1167.3
62.5°	359.8	356.4	346.1	317.9	327.0	576.1	800.7	846.7	1035.4	977.5	1002.6
65°	297.9	296.9	305.4	304.3	274.0	318.1	451.9	498.3	651.0	659.2	651.0
67.5°	216.5	214.8	236.4	279.0	263.8	240.2	251.9	268.0	333.8	299.8	269.9
70°	140.8	138.3	150.8	201.5	236.2	209.3	181.5	178.8	183.6	114.1	123.4
72.5°	94.4	91.6	91.4	110.9	142.7	141.0	140.6	139.3	124.3	90.1	99.9
75°	52.6	50.3	49.8	47.9	51.1	52.0	55.4	57.3	62.1	68.3	75.7
77.5°	8.9	8.7	11.0	14.0	19.3	24.8	30.7	32.4	39.9	47.3	52.0
80°	4.9	5.1	6.6	8.1	10.8	14.8	18.9	20.1	24.6	28.6	32.4
82.5°	2.6	2.6	3.4	4.4	5.9	7.8	10.2	11.2	14.2	16.7	19.3
85°	0.9	0.9	1.3	1.7	2.5	3.2	4.0	4.5	6.2	8.5	9.7
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	0.9	1.7	2.5
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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	721.8	716.7	723.7	726.9	728.0	728.8	723.9	720.5	719.3	715.7	713.7
5°	724.4	721.0	727.7	727.7	722.9	718.0	708.0	701.0	696.1	690.2	689.2
7.5°	729.0	726.5	730.1	722.7	710.8	697.6	680.2	666.5	655.6	648.4	648.6
10°	735.0	732.0	729.2	712.7	690.9	666.5	639.8	620.0	601.8	593.5	588.9
12.5°	739.0	734.7	722.7	695.5	663.5	630.8	593.1	563.6	537.3	525.4	524.4
15°	743.9	736.0	712.1	673.2	628.7	584.0	535.6	494.5	458.9	440.4	439.4
17.5°	750.4	737.3	699.5	647.6	592.0	526.1	465.2	413.5	375.7	361.3	363.7
20°	759.5	738.8	685.1	619.2	546.4	460.3	384.4	336.9	322.3	321.3	319.5
22.5°	769.7	739.8	669.2	587.4	491.1	390.0	317.6	297.3	297.1	301.9	303.0
25°	781.2	740.5	651.2	550.3	431.3	320.0	280.8	274.8	279.5	288.4	289.5
27.5°	796.0	742.0	629.4	509.6	367.7	276.5	260.6	259.1	264.8	273.1	272.7
30°	817.7	747.5	606.4	462.9	302.4	255.9	248.3	248.5	250.8	254.7	255.3
32.5°	839.9	756.0	583.8	410.3	264.9	244.1	240.7	240.3	240.3	242.0	242.4
35°	860.9	765.7	559.4	355.4	246.8	237.3	235.0	233.9	233.3	233.0	232.4
37.5°	872.6	770.4	535.6	301.3	237.1	232.8	230.5	229.0	226.9	225.4	225.0
40°	867.5	764.9	507.9	260.8	231.3	228.4	225.8	223.7	220.9	219.5	218.8
42.5°	850.5	747.9	477.9	241.7	226.5	223.7	220.5	217.1	215.2	214.0	213.9
45°	832.5	727.3	441.5	230.5	222.0	218.6	214.8	211.0	208.9	208.4	208.2
47.5°	831.9	717.1	402.9	221.6	216.5	213.1	208.4	204.6	202.3	201.5	200.8
50°	856.9	727.5	359.4	213.9	210.8	207.2	201.9	197.8	194.9	194.0	193.8
52.5°	908.8	766.6	320.4	206.1	203.3	199.1	194.7	190.6	187.2	185.5	185.3
55°	964.8	816.4	296.2	198.1	194.4	190.8	186.8	182.2	178.5	175.8	175.4
57.5°	1022.7	870.7	288.8	188.1	185.3	182.8	178.1	173.2	168.8	166.3	165.8
60°	1070.4	917.5	302.6	177.5	176.0	172.8	168.4	163.7	160.7	158.8	158.4
62.5°	896.1	747.0	244.3	166.0	166.0	162.6	157.6	154.2	152.2	150.8	150.5
65°	568.7	462.5	166.7	154.4	154.2	149.7	145.5	143.3	142.3	140.2	139.9
67.5°	247.7	211.4	142.5	142.7	141.9	137.0	132.9	131.1	129.3	127.0	126.8
70°	128.5	131.0	127.6	129.6	128.3	122.4	118.5	115.8	111.8	109.6	109.8
72.5°	103.7	106.4	110.1	113.4	110.5	105.8	99.5	96.3	91.2	88.8	88.9
75°	79.1	81.9	85.5	88.9	86.7	80.8	76.8	73.6	67.8	64.9	65.5
77.5°	54.5	56.0	60.4	60.2	59.4	57.7	51.9	48.1	42.0	38.6	39.0
80°	33.9	34.8	36.9	37.8	37.5	35.2	30.5	27.6	24.0	22.0	22.1
82.5°	20.4	21.0	22.9	23.1	22.9	21.2	17.6	15.5	13.2	12.1	12.1
85°	10.4	10.8	11.9	11.9	10.8	9.1	8.1	7.2	5.9	5.3	5.3
87.5°	2.8	2.8	3.6	3.0	2.5	2.3	1.1	0.9	0.4	0.2	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)