

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: P629152

Luminaire Tested: GWS-SA1B-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1655.8 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

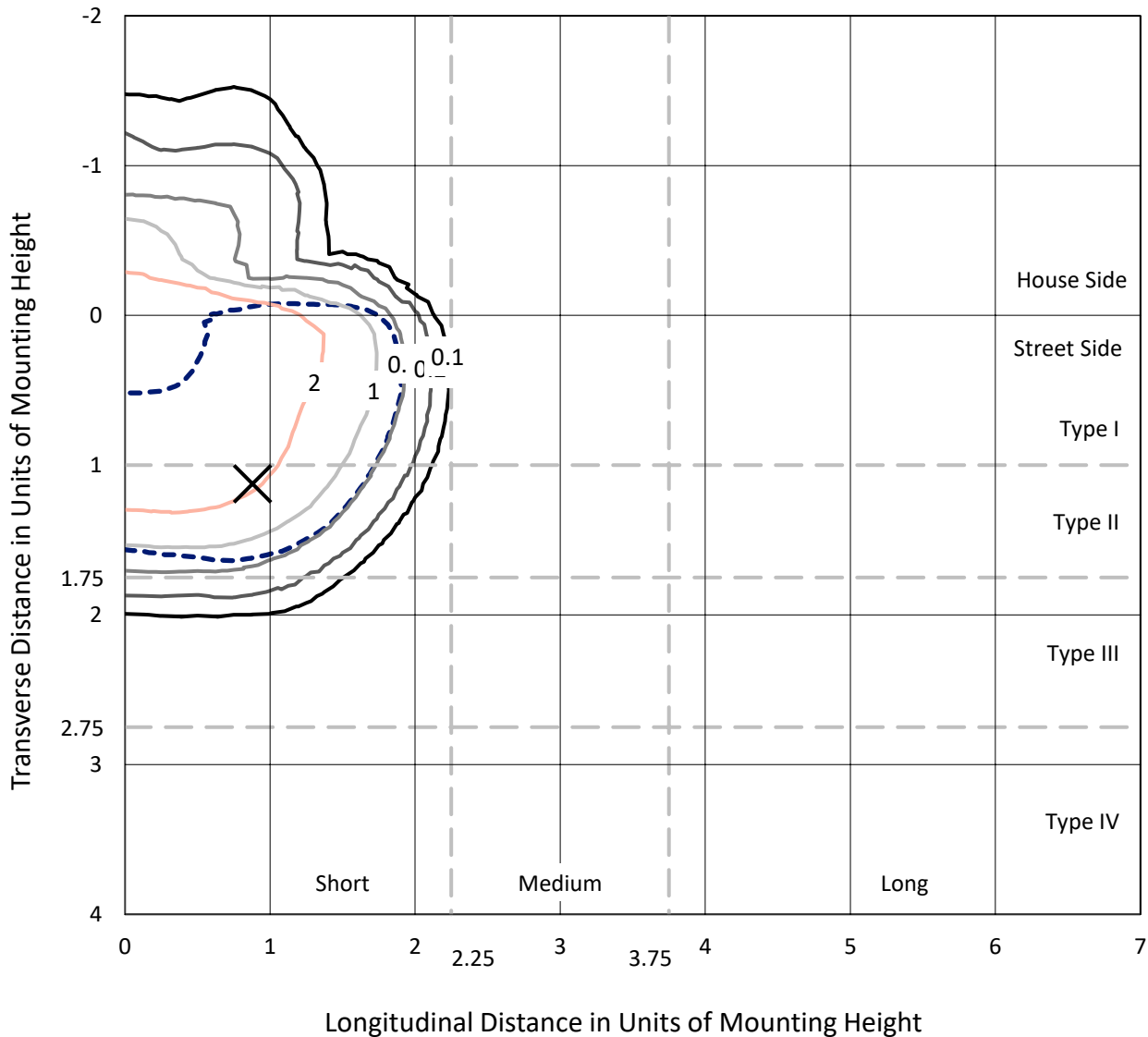
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

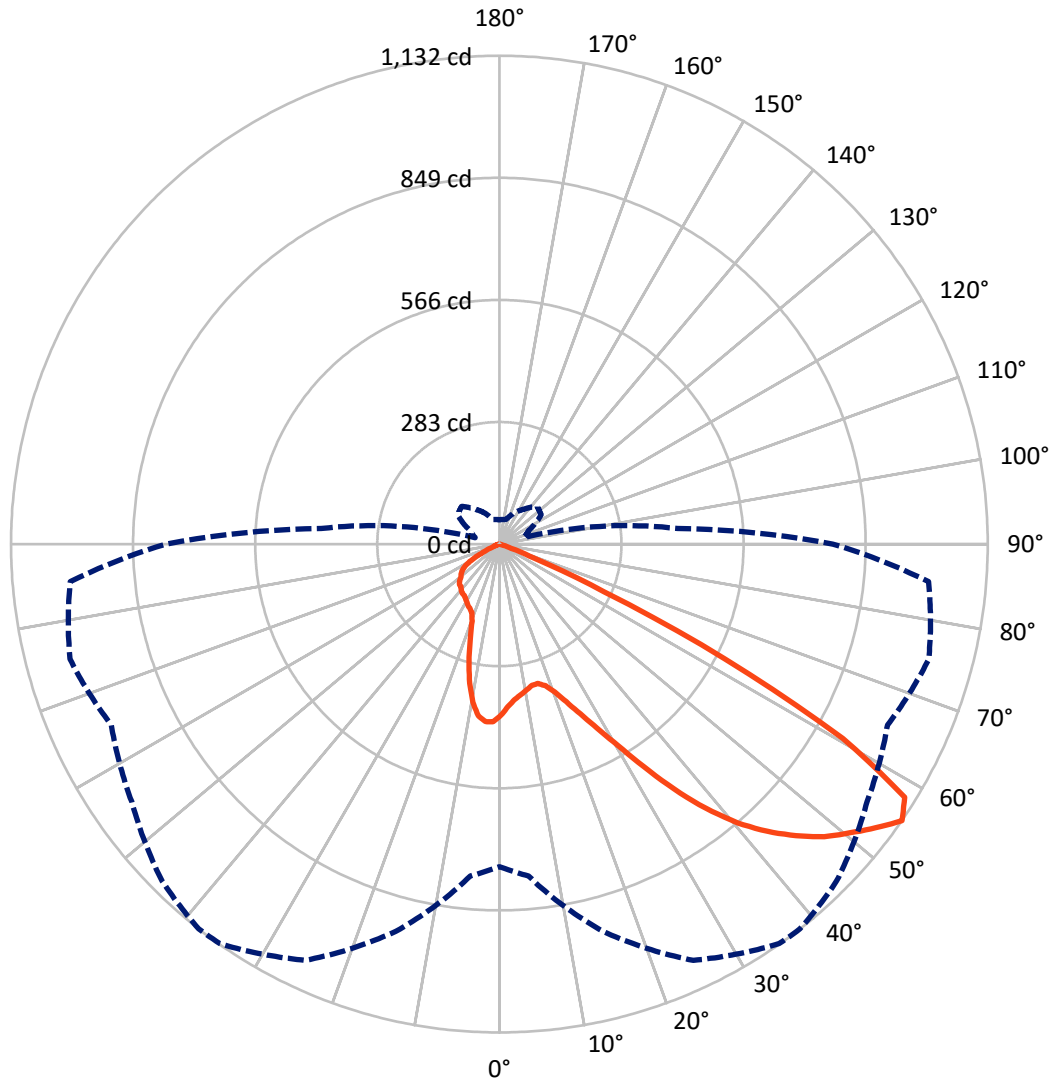
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	322.6	0.0	322.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	1333.2	0.0	1333.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	1655.8	0.0	1655.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	2.2
10°-20°	98.8	6.0
20°-30°	169.6	10.2
30°-40°	281.3	17.0
40°-50°	413.5	25.0
50°-60°	483.2	29.2
60°-70°	163.8	9.9
70°-80°	8.4	0.5
80°-90°	0.3	0.0
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°	1655.8	100.0
0°-180°	1655.8	100.0

Coefficient of Utilization



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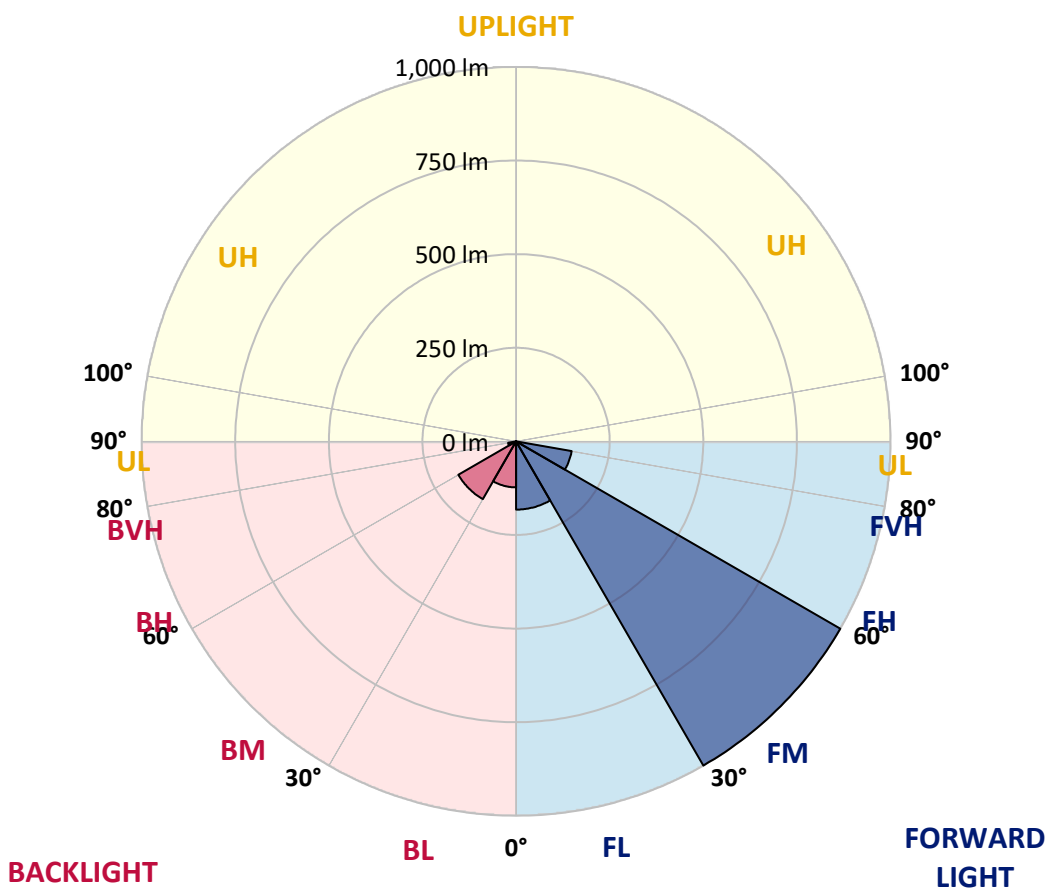
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.3	11.0			
FM (30°-60°)	1000.1	60.4			
FH (60°-80°)	150.7	9.1			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	122.9	7.4	B1/500		
BM (30°-60°)	178.1	10.8	B0/220		
BH (60°-80°)	21.5	1.3	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1
2.5°	369.8	369.1	370.6	373.6	376.4	377.4	380.2	384.2	386.7	392.5	397.3
5°	353.2	352.8	354.3	356.9	360.7	362.1	366.4	373.0	379.7	389.9	399.9
7.5°	338.0	337.8	340.1	346.0	351.5	353.2	358.5	366.6	375.5	391.2	406.0
10°	318.2	318.3	322.7	331.0	341.1	344.5	353.0	364.7	376.3	396.5	416.9
12.5°	311.7	312.1	314.4	320.8	331.8	336.1	348.1	365.8	380.6	404.1	431.1
15°	327.4	327.4	325.5	326.3	331.2	335.2	347.7	369.6	388.0	413.2	445.1
17.5°	357.9	356.8	352.0	345.6	343.9	345.2	355.2	377.8	398.4	423.8	461.0
20°	399.2	399.5	390.3	376.8	366.0	365.8	371.9	392.2	413.4	436.4	478.3
22.5°	449.1	447.6	435.3	416.9	398.2	396.7	399.2	414.1	434.9	456.5	499.5
25°	507.0	506.3	488.9	464.3	439.5	435.9	435.9	450.6	465.8	485.1	524.8
27.5°	567.6	567.6	550.8	522.4	489.4	483.0	482.1	499.5	509.5	513.3	546.2
30°	629.9	629.1	612.5	583.3	548.1	541.5	538.8	551.7	558.9	547.5	572.9
32.5°	693.1	694.4	677.6	650.5	619.1	614.7	606.6	606.6	612.5	596.6	614.9
35°	761.0	760.6	747.4	729.0	702.2	697.2	683.8	662.8	671.7	664.7	673.0
37.5°	821.0	823.9	817.4	803.8	782.0	777.1	755.0	716.9	723.7	734.7	742.1
40°	882.0	884.2	890.7	886.3	858.9	849.8	810.4	748.0	755.5	793.2	814.4
42.5°	941.8	942.9	956.0	963.2	926.4	910.5	852.4	766.9	774.8	839.0	876.1
45°	979.8	982.3	1003.9	1025.8	986.1	964.3	889.0	791.1	794.5	870.8	921.7
47.5°	978.3	984.0	1024.5	1064.4	1037.3	1013.9	932.9	829.9	824.2	900.7	951.8
50°	947.8	954.6	1012.7	1076.1	1074.3	1052.5	981.7	886.1	868.3	927.2	955.6
52.5°	884.6	904.3	992.1	1077.7	1104.0	1093.0	1042.1	961.8	928.0	965.2	961.6
55°	748.0	772.2	929.5	1064.8	1130.8	1132.2	1105.5	1040.8	992.7	1030.7	998.9
57.5°	567.8	587.1	715.4	947.8	1086.4	1108.1	1130.1	1082.4	1032.6	1075.4	1007.6
60°	342.2	364.5	448.0	695.5	877.4	914.5	1000.6	991.4	931.4	949.7	826.3
62.5°	138.7	150.5	206.9	383.3	552.3	586.9	669.4	683.4	668.7	649.9	501.2
65°	50.7	55.5	82.9	158.4	254.0	266.7	310.2	335.0	355.4	302.6	186.4
67.5°	31.4	34.4	53.9	81.4	92.4	85.9	87.4	104.3	99.6	61.5	33.3
70°	23.3	25.7	42.2	56.4	37.3	28.8	19.5	20.8	18.7	16.5	16.3
72.5°	16.1	18.4	31.6	33.3	14.4	10.2	7.2	10.0	11.4	11.2	11.5
75°	10.6	12.3	19.9	13.1	3.6	2.8	2.5	5.3	6.8	6.8	7.0
77.5°	6.2	7.2	7.0	2.6	0.8	0.8	0.6	0.9	1.5	1.7	2.1
80°	0.8	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6
82.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
85°	0.0	0.0	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.6	0.6
87.5°	0.0	0.0	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.6	0.6
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°	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1	397.1
2.5°	400.9	399.5	405.0	409.0	412.2	413.7	411.6	411.5	411.5	407.3	406.2
5°	405.6	406.2	413.9	417.3	417.9	416.0	411.3	408.1	406.2	401.8	399.3
7.5°	414.7	416.6	423.9	423.4	418.3	409.6	397.1	387.4	381.2	374.4	370.2
10°	427.7	431.3	435.9	427.9	411.6	389.5	363.8	345.4	334.4	326.7	321.9
12.5°	443.6	447.2	445.7	427.0	393.1	353.5	320.4	293.9	281.2	274.2	269.3
15°	459.7	462.0	452.1	415.6	360.4	307.2	270.3	244.0	228.4	222.8	218.6
17.5°	476.2	475.6	453.3	393.3	316.6	254.9	218.6	200.6	196.3	195.3	194.9
20°	493.4	488.3	448.7	361.3	264.0	203.3	182.6	183.8	191.7	195.5	196.3
22.5°	513.1	500.2	437.4	318.0	210.3	169.4	171.5	182.6	193.4	198.5	199.3
25°	534.1	511.2	418.5	262.3	165.8	155.8	168.1	180.9	192.5	198.7	199.5
27.5°	547.9	513.8	387.4	206.3	142.3	150.5	163.5	175.8	187.7	194.6	195.5
30°	562.9	512.7	345.2	159.0	134.4	145.9	157.3	168.4	179.4	187.0	187.7
32.5°	584.8	512.0	293.7	129.1	131.2	142.3	150.7	159.9	167.5	171.9	171.3
35°	613.6	511.0	233.7	116.4	129.3	139.5	146.1	150.5	142.1	139.5	140.1
37.5°	650.5	513.3	183.2	111.1	128.7	138.7	144.4	131.9	119.0	114.1	113.4
40°	691.4	519.1	139.7	109.0	130.6	140.6	138.0	117.3	101.4	91.8	89.7
42.5°	732.4	525.6	110.5	108.3	133.8	145.9	127.4	106.7	82.9	77.4	76.7
45°	762.9	524.4	95.6	106.9	136.6	148.9	124.5	91.6	74.0	71.5	71.7
47.5°	778.2	512.0	87.4	103.9	137.8	145.9	117.5	85.4	67.9	70.6	72.9
50°	770.1	479.6	79.9	98.0	135.3	141.9	106.4	80.6	64.9	75.9	81.0
52.5°	760.3	439.8	71.5	89.0	129.5	136.5	102.0	79.3	63.0	73.2	77.0
55°	773.3	414.7	57.9	74.9	117.9	123.6	98.6	79.1	58.7	57.0	56.4
57.5°	755.0	364.5	41.4	53.9	90.5	97.8	96.1	77.8	52.0	51.9	52.6
60°	583.5	222.4	28.4	34.3	55.5	62.5	87.3	74.4	44.9	41.3	41.4
62.5°	331.6	94.6	19.5	21.2	28.4	33.7	66.6	67.6	41.4	39.4	41.4
65°	115.5	33.9	15.1	14.2	15.7	18.0	38.2	52.2	37.7	34.1	34.4
67.5°	23.8	16.8	13.4	11.7	11.7	11.7	19.5	32.6	31.0	27.1	27.4
70°	15.1	14.4	11.7	10.0	9.7	8.9	11.2	18.0	21.4	19.7	19.9
72.5°	11.2	11.0	9.3	8.1	7.2	6.4	7.0	8.9	11.0	11.4	11.5
75°	6.8	7.0	6.1	5.1	4.5	4.0	4.2	4.2	4.2	3.8	4.2
77.5°	2.1	2.3	1.9	1.5	1.3	1.3	1.3	1.1	0.9	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.4	0.4	0.2	0.2	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.4	0.4	0.2	0.2	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.4	0.4	0.2	0.2	0.0	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.4	0.4	0.2	0.2	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)