

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: P628920

Luminaire Tested: GWS-SA1A-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1727.9 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

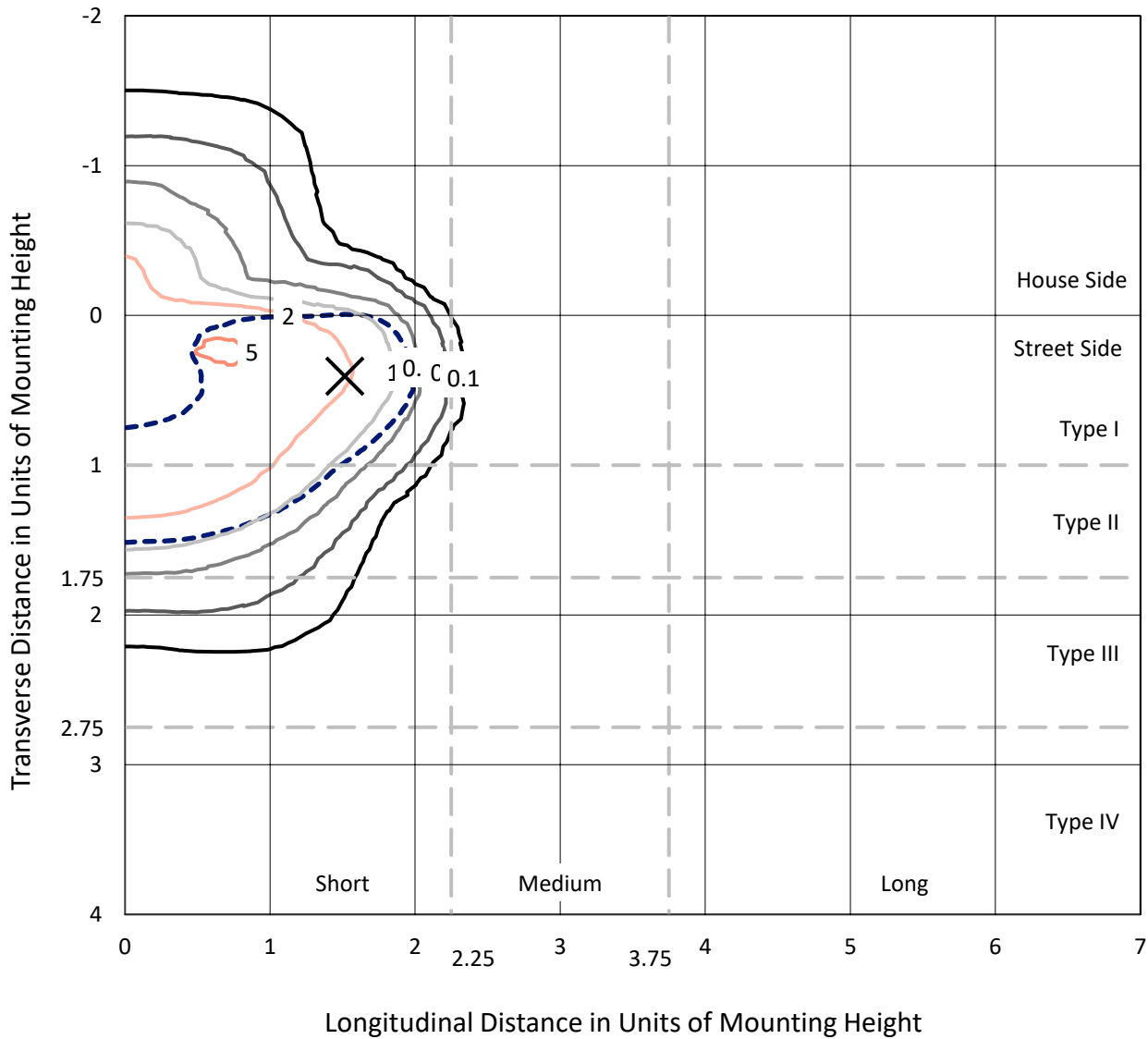
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

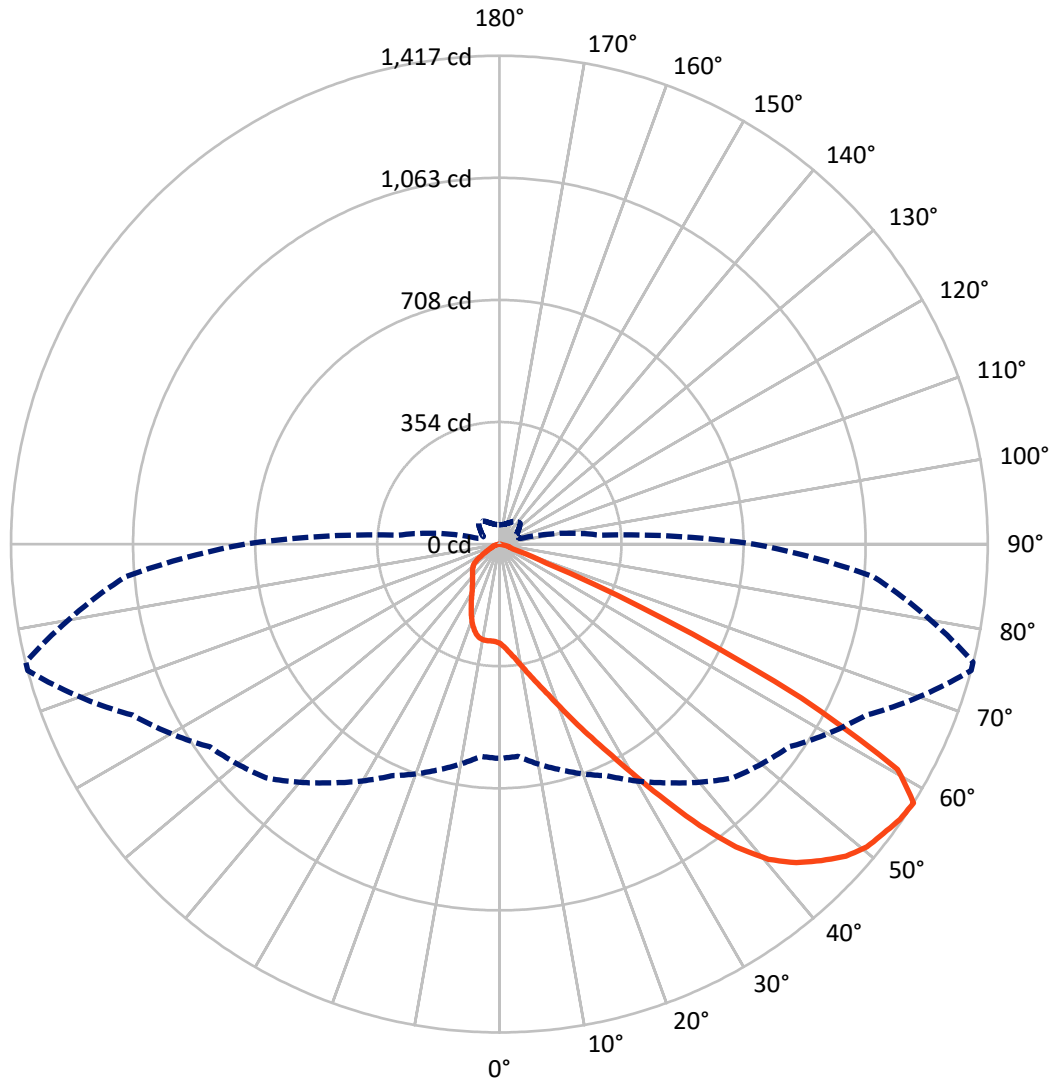
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.2	0.0	282.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1445.6	0.0	1445.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	1727.9	0.0	1727.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	1.7
10°-20°	95.3	5.5
20°-30°	174.4	10.1
30°-40°	289.4	16.8
40°-50°	442.0	25.6
50°-60°	496.7	28.7
60°-70°	183.2	10.6
70°-80°	17.5	1.0
80°-90°	0.0	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°	1727.9	100.0
0°-180°	1727.9	100.0

Coefficient of Utilization



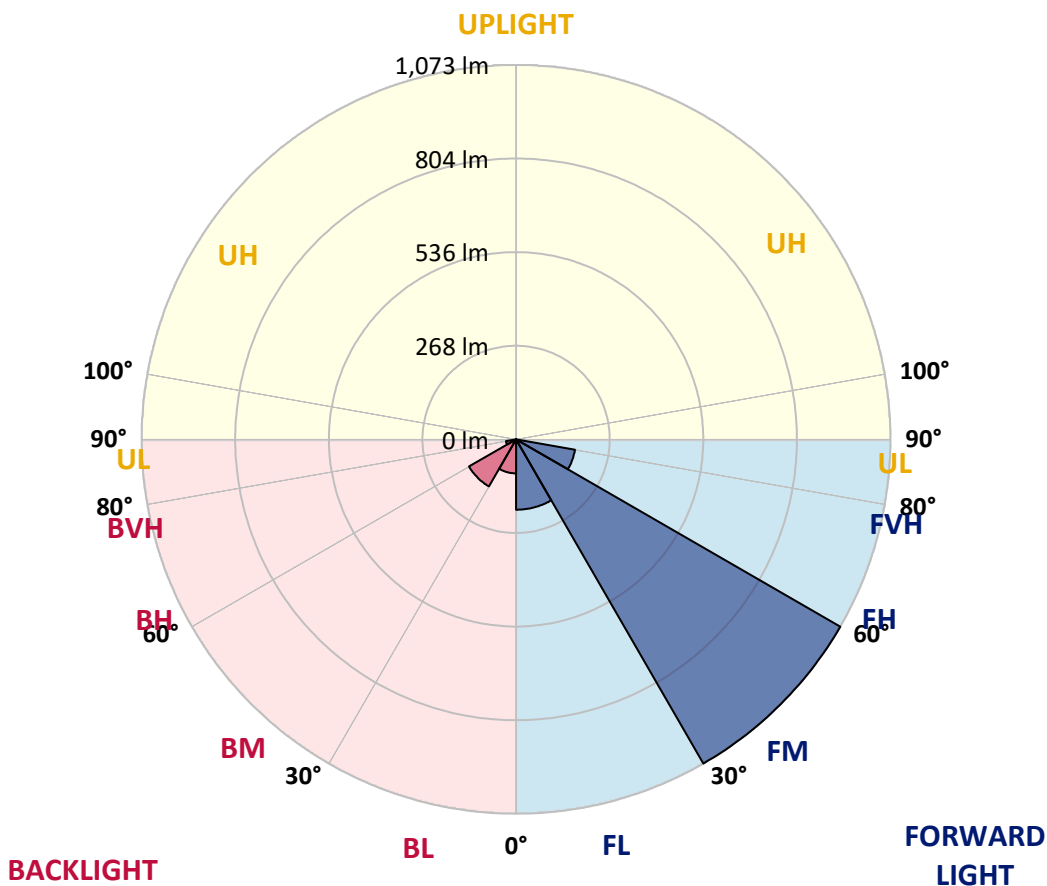
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.6	11.7			
FM (30°-60°)	1072.6	62.1			
FH (60°-80°)	171.4	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	97.4	5.6	B0/110		
BM (30°-60°)	155.5	9.0	B0/220		
BH (60°-80°)	29.3	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2
2.5°	322.0	325.3	324.3	322.2	320.9	316.5	313.8	305.9	300.3	299.7	294.4
5°	362.6	362.0	361.2	358.7	356.6	349.7	341.6	328.2	316.3	314.9	303.8
7.5°	384.9	385.4	385.8	385.4	383.9	378.7	369.7	354.1	335.9	334.7	317.2
10°	394.1	395.0	397.0	401.0	404.5	404.1	398.9	382.9	360.5	358.5	334.9
12.5°	398.5	399.5	402.9	410.4	420.0	427.5	428.3	413.9	389.3	386.0	356.0
15°	404.5	405.6	409.8	419.6	433.5	448.3	457.9	448.8	421.2	417.7	379.1
17.5°	407.3	408.7	414.8	427.7	445.8	468.6	490.3	489.4	459.0	456.3	406.0
20°	412.5	413.5	418.9	432.9	454.8	487.5	524.0	537.2	505.1	501.1	438.5
22.5°	428.9	429.4	431.9	440.6	461.1	501.3	558.4	592.9	559.5	554.3	475.0
25°	455.8	455.6	456.7	458.1	473.2	515.3	591.6	655.6	621.8	616.2	516.3
27.5°	490.0	490.0	492.5	488.4	494.4	532.6	624.3	727.8	694.4	686.5	561.6
30°	530.3	530.1	535.9	529.3	531.1	559.9	659.6	806.4	782.0	772.2	613.7
32.5°	584.9	583.7	590.4	581.2	574.9	601.2	702.5	888.6	886.9	871.9	679.2
35°	654.0	651.9	654.0	645.0	633.7	659.0	758.8	970.5	1003.2	987.4	757.2
37.5°	722.6	729.2	731.5	716.1	706.9	732.2	826.6	1043.9	1114.4	1097.9	838.3
40°	803.5	801.4	809.3	792.0	786.2	814.1	892.9	1098.5	1202.4	1186.7	910.4
42.5°	863.1	866.9	876.7	867.1	862.5	888.8	948.6	1130.4	1263.5	1248.1	962.0
45°	934.6	937.3	941.1	933.2	928.4	954.2	988.9	1144.4	1310.0	1293.3	996.6
47.5°	1012.0	1014.1	1014.1	997.8	982.4	993.0	1015.8	1152.3	1352.7	1336.7	1022.2
50°	1067.5	1068.5	1077.7	1066.2	1032.6	1016.2	1028.1	1160.1	1381.1	1366.1	1030.6
52.5°	1018.3	1017.0	1047.2	1071.0	1080.0	1047.2	1049.3	1171.3	1394.9	1381.9	1037.2
55°	857.5	855.4	897.9	955.7	1034.7	1076.6	1075.0	1178.0	1410.1	1402.2	1061.4
57.5°	621.6	618.1	677.3	741.5	845.2	958.8	1025.6	1174.2	1416.8	1416.1	1089.6
60°	373.7	370.8	426.7	494.2	574.3	688.6	799.3	1051.8	1327.5	1328.8	1016.4
62.5°	230.0	232.7	283.2	317.6	347.4	381.8	445.8	707.5	983.4	991.6	714.2
65°	154.7	156.8	203.5	246.9	246.9	201.9	173.3	338.2	524.7	510.9	337.8
67.5°	103.8	106.1	143.1	193.7	201.0	140.8	70.3	100.9	146.2	141.8	83.6
70°	61.1	63.6	95.3	132.8	146.4	98.0	46.9	42.7	41.5	40.2	32.5
72.5°	27.3	28.4	48.6	67.6	61.7	41.3	33.2	34.2	32.3	31.7	26.5
75°	8.3	8.8	12.5	14.6	14.8	14.8	20.0	26.9	25.4	25.6	20.4
77.5°	2.1	2.1	3.3	3.1	1.7	1.5	3.8	6.0	6.3	5.6	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2
2.5°	292.2	286.7	283.2	278.2	274.6	270.9	267.5	264.8	263.4	263.0	263.2
5°	298.8	290.3	281.9	272.3	265.7	259.4	254.4	250.4	248.6	247.9	247.9
7.5°	309.0	297.2	282.4	267.3	256.1	246.3	240.4	236.1	234.4	234.0	232.7
10°	322.4	306.1	281.7	258.4	242.5	232.3	228.1	226.9	227.5	227.7	227.5
12.5°	338.4	315.5	277.8	245.2	228.1	221.9	222.3	225.6	229.4	231.3	231.7
15°	355.5	324.1	268.8	229.6	215.8	215.6	221.7	229.4	236.7	239.8	240.6
17.5°	374.7	330.9	255.0	212.9	205.2	211.2	222.1	234.0	243.8	249.0	250.0
20°	395.8	336.6	237.5	197.3	195.8	206.7	221.7	236.3	248.4	254.2	255.2
22.5°	417.7	340.5	217.3	182.9	187.3	201.4	217.7	231.9	243.4	250.0	250.9
25°	442.7	340.9	196.6	170.8	179.3	194.4	208.1	219.8	229.4	235.2	235.8
27.5°	464.6	335.9	178.3	161.0	172.0	185.6	194.8	201.2	207.9	211.2	211.5
30°	489.8	327.2	161.0	153.1	164.5	174.7	179.3	180.8	181.4	182.0	181.2
32.5°	519.9	316.5	148.1	145.3	156.0	162.9	164.1	161.2	157.6	152.6	151.4
35°	556.8	307.0	137.4	137.8	146.6	150.8	149.7	143.5	136.6	130.5	129.5
37.5°	596.8	298.8	129.3	130.5	136.4	139.3	136.2	129.3	126.2	120.9	121.2
40°	632.3	292.2	122.0	123.2	126.0	128.7	123.7	119.1	124.9	124.5	124.9
42.5°	657.5	286.5	115.7	115.1	117.0	118.9	115.1	112.8	122.6	119.9	121.4
45°	672.3	281.3	110.5	106.8	109.7	113.0	110.5	107.6	110.9	98.4	97.4
47.5°	682.3	278.4	105.9	98.6	103.8	109.7	104.5	97.4	92.6	81.7	80.9
50°	683.4	276.9	100.5	90.3	97.0	103.2	97.2	87.4	80.5	75.7	75.1
52.5°	688.8	279.8	93.0	79.7	87.0	97.0	92.8	83.0	73.6	69.4	68.6
55°	713.0	292.2	80.5	65.1	75.7	92.2	89.3	74.0	65.1	62.6	61.9
57.5°	738.0	294.7	63.4	51.5	65.9	85.3	81.5	68.2	59.4	56.5	55.9
60°	674.8	242.7	47.5	42.5	58.2	78.8	75.5	64.6	54.4	50.9	50.3
62.5°	443.3	131.2	37.7	36.1	49.0	66.7	68.8	58.4	48.6	44.8	44.6
65°	204.4	60.9	29.0	28.6	38.4	53.2	59.2	51.1	41.1	37.7	37.7
67.5°	55.7	30.2	22.7	21.1	26.1	35.7	43.2	38.2	29.2	25.2	25.0
70°	27.7	24.4	20.4	18.1	18.8	22.1	25.4	21.3	14.8	12.1	11.9
72.5°	22.7	20.0	17.3	15.4	14.2	13.6	13.1	10.6	6.9	5.2	5.0
75°	16.9	14.4	12.3	10.0	8.5	7.9	7.1	5.2	2.9	1.7	1.5
77.5°	3.8	3.5	3.3	2.5	2.3	1.9	1.5	1.0	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)