

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: P628923

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2886.1 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

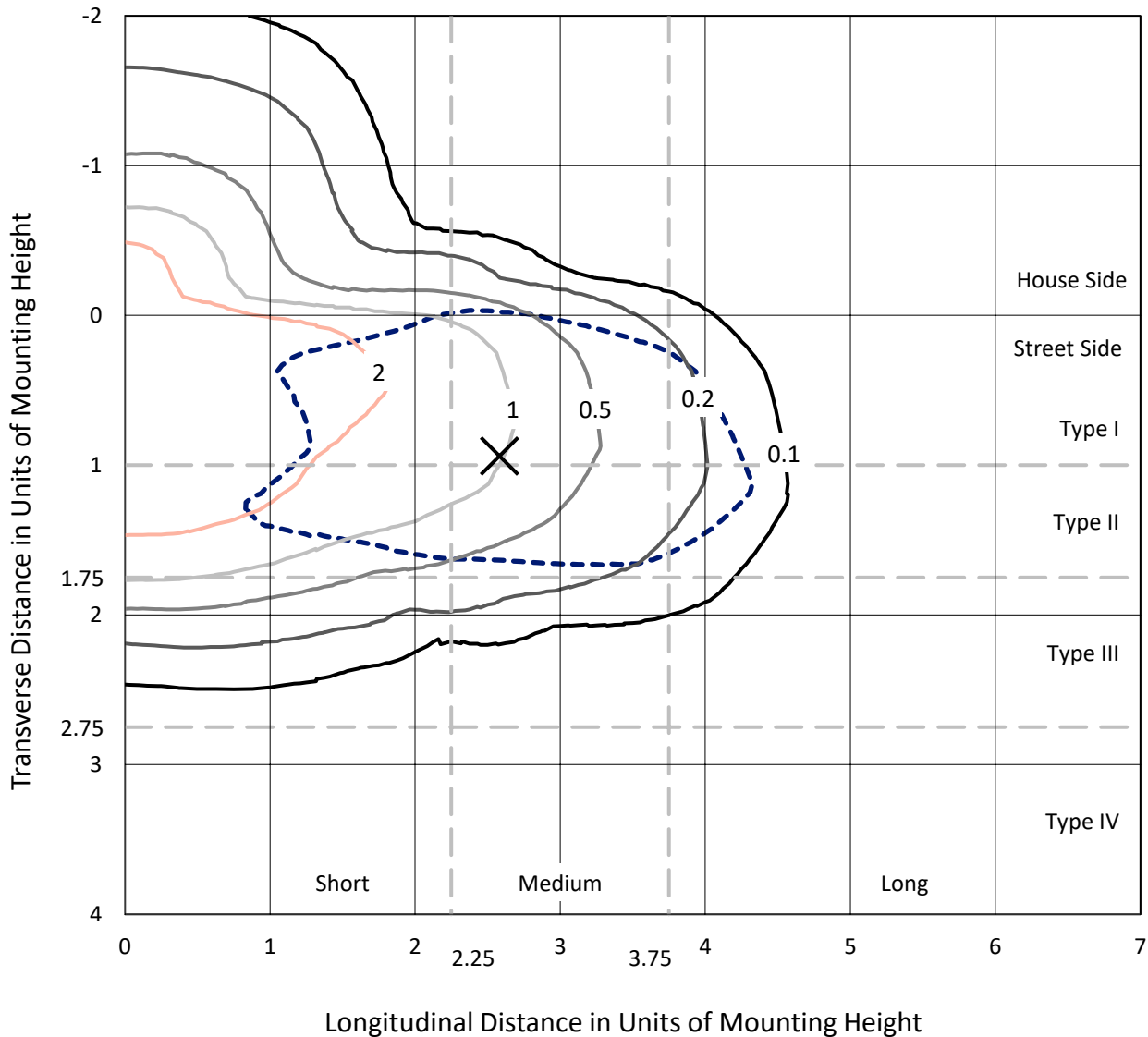
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

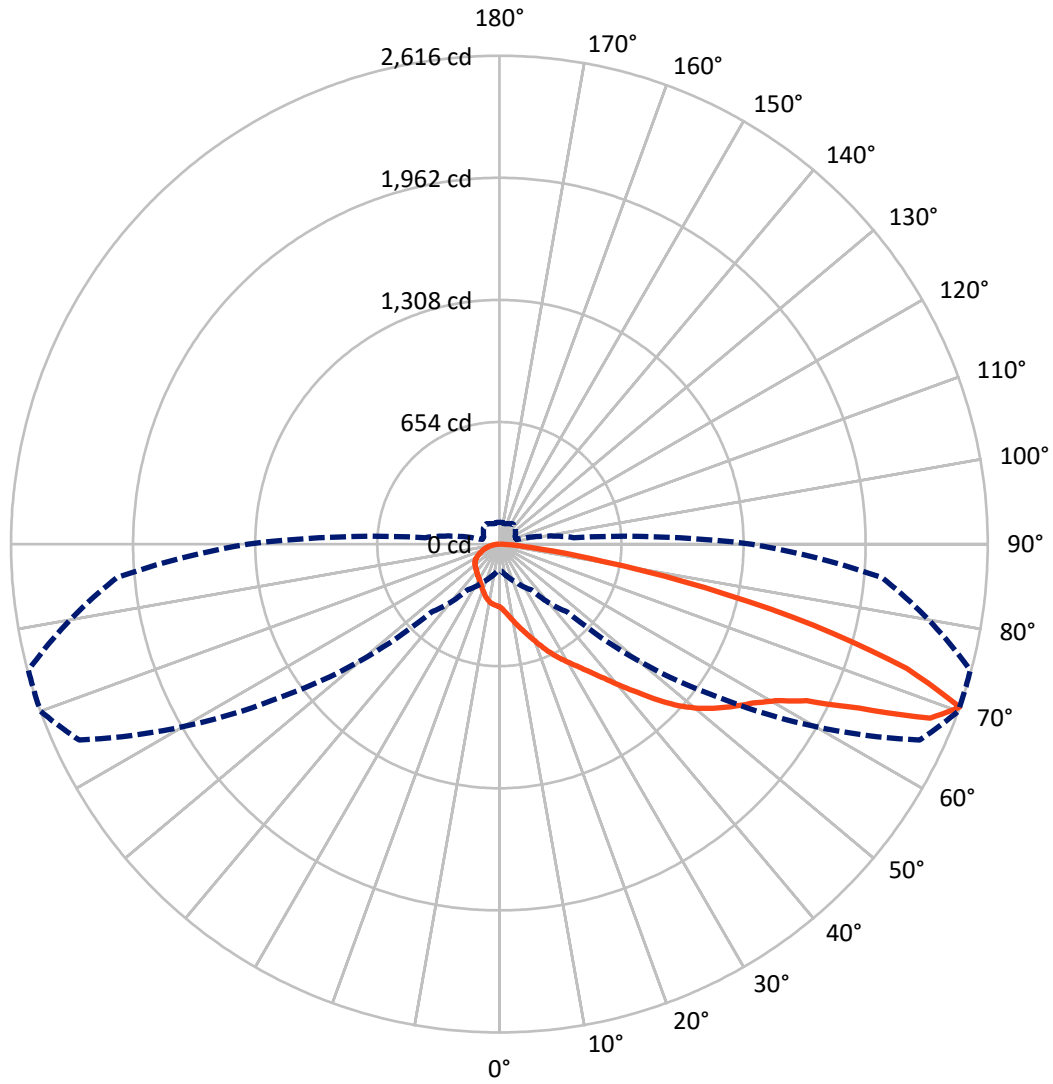
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.2	0.0	517.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	2368.9	0.0	2368.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	2886.1	0.0	2886.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	1.2
10°-20°	111.3	3.9
20°-30°	197.1	6.8
30°-40°	296.7	10.3
40°-50°	448.9	15.6
50°-60°	643.0	22.3
60°-70°	710.8	24.6
70°-80°	401.1	13.9
80°-90°	42.9	1.5
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°	2886.1	100.0
0°-180°	2886.1	100.0

Coefficient of Utilization



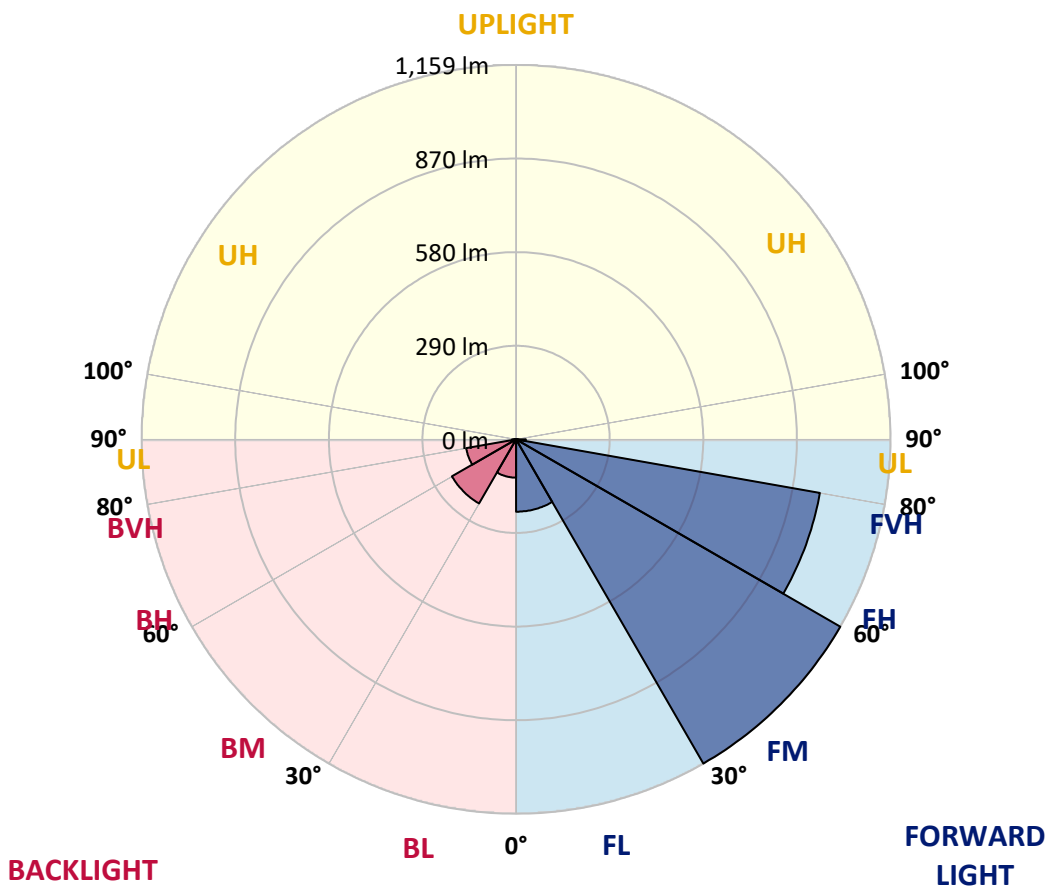
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.1	7.8			
FM (30°-60°)	1159.3	40.2			
FH (60°-80°)	955.2	33.1			G1/1800
FVH (80°-90°)	30.3	1.1			G1/100
BL (0°-30°)	118.6	4.1	B1/500		
BM (30°-60°)	229.3	7.9	B1/1000		
BH (60°-80°)	156.8	5.4	B1/500		G1/500
BVH (80°-90°)	12.6	0.4			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6
2.5°	372.9	372.2	372.7	372.2	369.9	364.3	359.7	353.9	349.9	347.6	342.2
5°	416.7	416.0	414.6	412.5	408.3	400.6	389.1	376.4	368.7	362.9	351.4
7.5°	448.1	448.1	447.9	445.4	442.5	434.4	420.8	404.1	392.9	382.9	364.1
10°	464.2	465.2	466.7	470.3	469.6	465.2	452.5	434.6	420.4	408.7	380.8
12.5°	473.0	473.6	476.1	483.4	490.9	491.9	484.4	465.7	450.2	434.6	399.3
15°	484.2	484.4	487.8	496.5	507.6	518.6	516.8	498.0	482.1	464.8	420.0
17.5°	493.0	494.4	500.5	510.7	524.5	539.7	548.9	537.2	517.6	497.8	442.5
20°	496.1	497.2	505.1	520.7	539.5	561.0	581.4	578.3	558.5	535.1	468.0
22.5°	507.4	507.4	513.2	526.3	548.5	579.7	612.9	621.0	603.5	576.2	495.3
25°	532.2	531.4	534.1	539.5	556.2	594.7	644.0	668.4	648.8	618.1	522.6
27.5°	566.2	565.8	565.6	566.4	572.0	607.9	670.2	712.6	693.0	658.4	547.0
30°	603.1	601.8	604.5	602.0	600.8	623.5	692.6	752.2	737.0	698.2	567.2
32.5°	653.3	651.1	650.4	642.3	637.3	647.9	710.5	797.2	785.1	741.1	590.0
35°	719.7	717.6	706.9	694.0	679.2	684.2	732.8	841.2	842.1	794.9	619.8
37.5°	786.6	787.0	778.7	748.2	733.0	730.1	766.8	894.8	912.8	859.2	658.4
40°	842.3	844.8	844.8	812.7	789.9	787.2	814.5	958.4	994.1	938.0	707.1
42.5°	884.6	886.9	894.2	871.1	847.1	856.5	872.5	1022.2	1086.3	1035.4	768.9
45°	931.1	933.0	937.0	923.6	909.6	934.7	938.2	1098.6	1191.8	1144.7	840.6
47.5°	992.8	991.2	991.6	981.8	970.9	1011.4	1010.6	1162.8	1293.8	1264.4	918.4
50°	1069.6	1072.7	1069.8	1050.4	1037.7	1074.6	1079.4	1233.9	1383.4	1382.8	996.8
52.5°	1143.4	1144.7	1160.1	1160.9	1134.9	1127.1	1139.7	1305.7	1459.1	1491.2	1072.1
55°	1147.2	1152.0	1198.3	1231.6	1273.7	1211.8	1200.5	1374.1	1532.3	1597.4	1150.3
57.5°	1067.3	1075.0	1153.6	1225.6	1342.8	1357.2	1304.8	1462.5	1605.5	1701.9	1240.8
60°	896.7	912.8	1019.5	1129.6	1311.7	1461.6	1518.2	1582.6	1701.7	1808.6	1350.7
62.5°	572.6	578.9	728.6	913.0	1171.8	1451.4	1750.5	1794.3	1848.1	1947.7	1520.0
65°	286.7	306.8	394.6	544.9	845.0	1279.0	1867.9	2181.9	2116.0	2185.9	1794.5
67.5°	194.6	201.0	245.4	327.4	495.5	906.1	1795.1	2508.5	2489.1	2500.6	2087.0
70°	143.5	147.6	182.7	231.9	299.7	514.5	1429.1	2483.9	2616.3	2612.1	2056.4
72.5°	104.7	106.8	133.3	177.0	222.1	266.1	872.7	2006.5	2283.9	2404.2	1798.4
75°	76.1	78.6	92.6	132.4	172.7	166.0	430.8	1449.3	1741.7	1973.2	1465.2
77.5°	56.7	59.9	66.3	83.0	121.0	118.9	186.2	941.1	1126.5	1288.8	890.0
80°	40.9	41.5	45.3	53.2	76.7	69.7	88.6	490.7	562.6	616.4	348.9
82.5°	24.8	25.4	30.2	32.7	47.5	43.8	46.1	158.9	227.7	241.7	130.3
85°	7.3	7.7	13.8	15.0	19.8	18.8	18.6	64.6	77.2	98.6	51.3
87.5°	0.0	0.0	0.0	0.0	0.2	1.3	2.3	11.5	17.3	24.0	12.5
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°	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6
2.5°	340.1	335.3	332.8	328.4	325.3	322.2	319.1	316.1	314.9	313.0	313.4
5°	346.2	338.7	331.2	322.6	315.3	309.3	303.8	299.0	297.0	295.1	295.9
7.5°	355.3	344.1	329.7	314.1	302.6	294.2	288.6	285.3	284.2	282.8	282.8
10°	367.0	350.1	324.9	302.6	288.8	282.2	279.6	279.4	280.5	280.7	280.3
12.5°	380.0	356.0	317.8	289.0	277.4	275.3	277.1	280.7	284.2	286.1	285.7
15°	393.3	359.7	305.7	276.1	269.0	271.7	277.8	284.9	291.7	295.3	295.1
17.5°	405.8	360.6	290.1	263.6	261.7	268.6	279.0	290.1	299.5	304.5	304.7
20°	419.8	359.1	274.0	252.3	254.4	265.7	279.4	292.8	303.8	308.8	310.1
22.5°	432.5	354.1	258.4	241.7	248.2	262.1	276.1	288.6	298.4	303.2	304.9
25°	444.0	344.5	241.3	232.7	243.4	257.1	267.8	276.5	283.4	286.3	288.6
27.5°	450.2	330.1	228.3	225.6	238.8	250.0	255.9	258.6	260.9	260.0	261.7
30°	451.5	312.2	217.1	220.0	231.9	240.2	241.5	238.8	234.8	228.3	229.8
32.5°	450.2	291.5	207.7	214.0	224.2	229.2	227.5	220.4	210.8	200.8	201.4
35°	450.6	270.7	200.0	207.3	215.2	217.9	213.8	203.9	193.7	184.6	184.1
37.5°	455.2	253.2	193.5	200.8	206.5	206.9	202.3	192.1	186.8	180.0	179.1
40°	468.0	240.2	187.7	194.4	197.9	197.7	192.5	185.2	188.7	186.4	185.8
42.5°	488.8	232.3	182.9	187.5	190.0	190.4	186.2	181.6	189.4	186.4	185.4
45°	522.4	231.9	179.6	180.6	184.6	187.5	184.6	179.3	182.3	168.1	165.4
47.5°	562.2	239.0	177.0	174.5	181.4	186.6	182.1	173.7	167.7	154.7	152.9
50°	610.2	253.4	174.8	168.1	176.8	183.5	178.9	167.5	158.3	151.4	150.4
52.5°	667.1	272.3	171.8	160.8	170.0	181.8	178.9	166.8	154.7	148.5	147.4
55°	726.8	294.2	168.5	152.0	162.2	182.3	180.4	162.5	152.0	148.7	147.9
57.5°	800.8	320.5	162.5	141.8	155.4	178.5	174.5	159.9	150.1	147.4	146.6
60°	896.9	359.5	151.0	131.4	147.4	171.8	169.3	155.8	145.1	142.8	142.2
62.5°	1049.2	425.6	137.0	121.4	138.1	157.9	161.6	147.9	138.9	138.7	138.5
65°	1297.3	505.1	120.5	112.4	128.3	146.4	151.4	139.7	132.4	134.7	134.5
67.5°	1471.2	512.0	107.0	103.0	116.8	133.9	141.2	131.4	123.5	127.8	127.6
70°	1347.6	399.3	95.3	93.2	104.5	120.3	130.1	121.0	113.0	117.2	116.4
72.5°	1136.5	306.1	84.2	83.0	92.0	106.1	115.9	110.5	102.2	102.2	100.3
75°	913.4	252.5	72.6	71.9	78.0	91.8	102.8	93.6	85.9	85.5	84.2
77.5°	523.8	165.6	60.9	60.5	62.4	76.7	79.9	78.0	72.2	69.4	68.6
80°	208.7	86.1	48.0	45.3	47.1	56.3	63.0	59.9	54.8	51.5	49.6
82.5°	80.9	43.2	33.8	29.6	32.3	40.7	45.7	44.6	41.3	33.8	31.7
85°	32.9	21.1	20.2	17.1	18.8	21.9	26.3	22.7	18.8	13.3	12.7
87.5°	8.8	7.7	7.5	4.6	3.5	1.0	0.2	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)