

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: P628984

Luminaire Tested: GWS-SA1A-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2448.8 lumens
Efficiency: N/A
Efficacy: 124.3 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

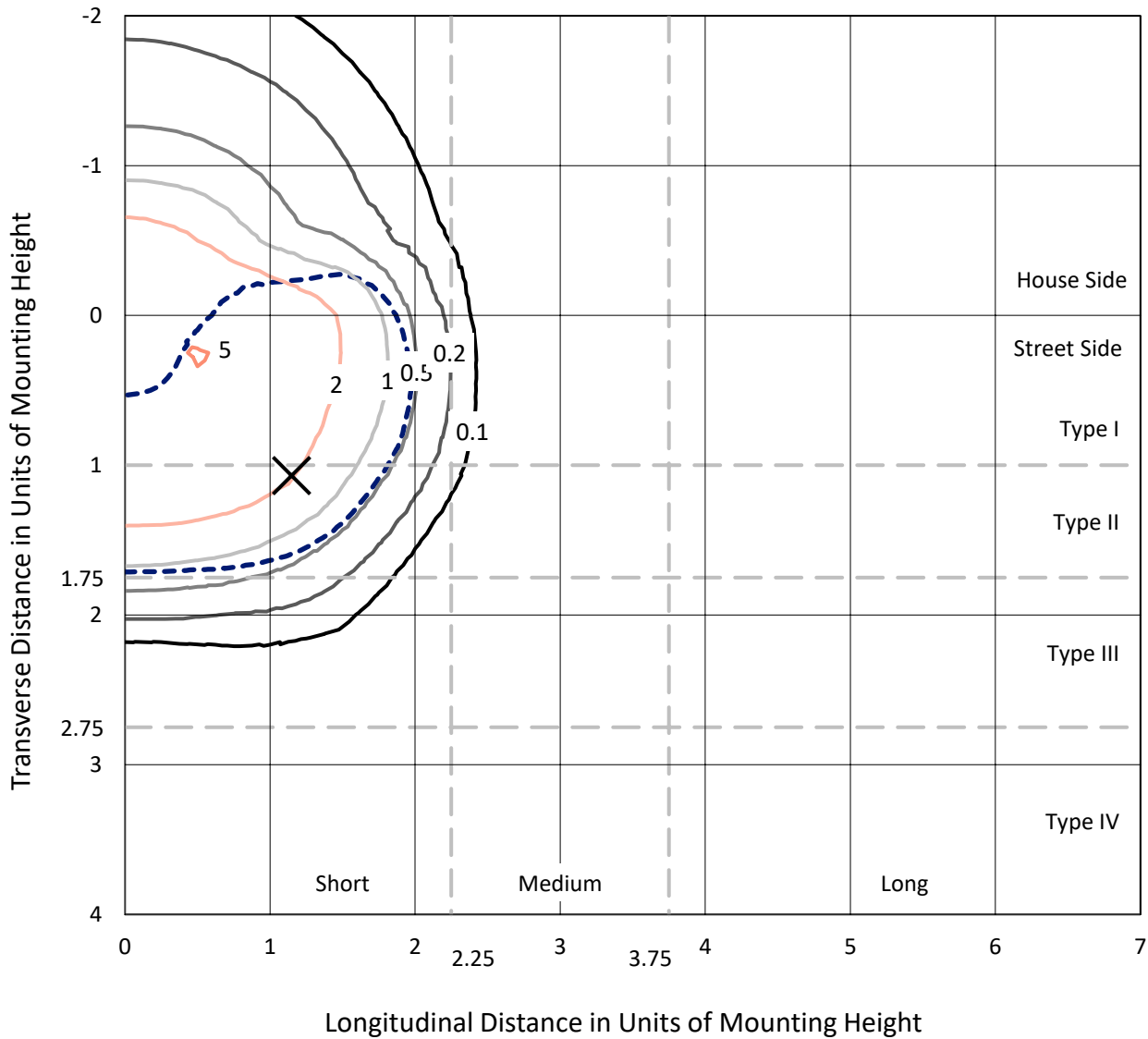
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

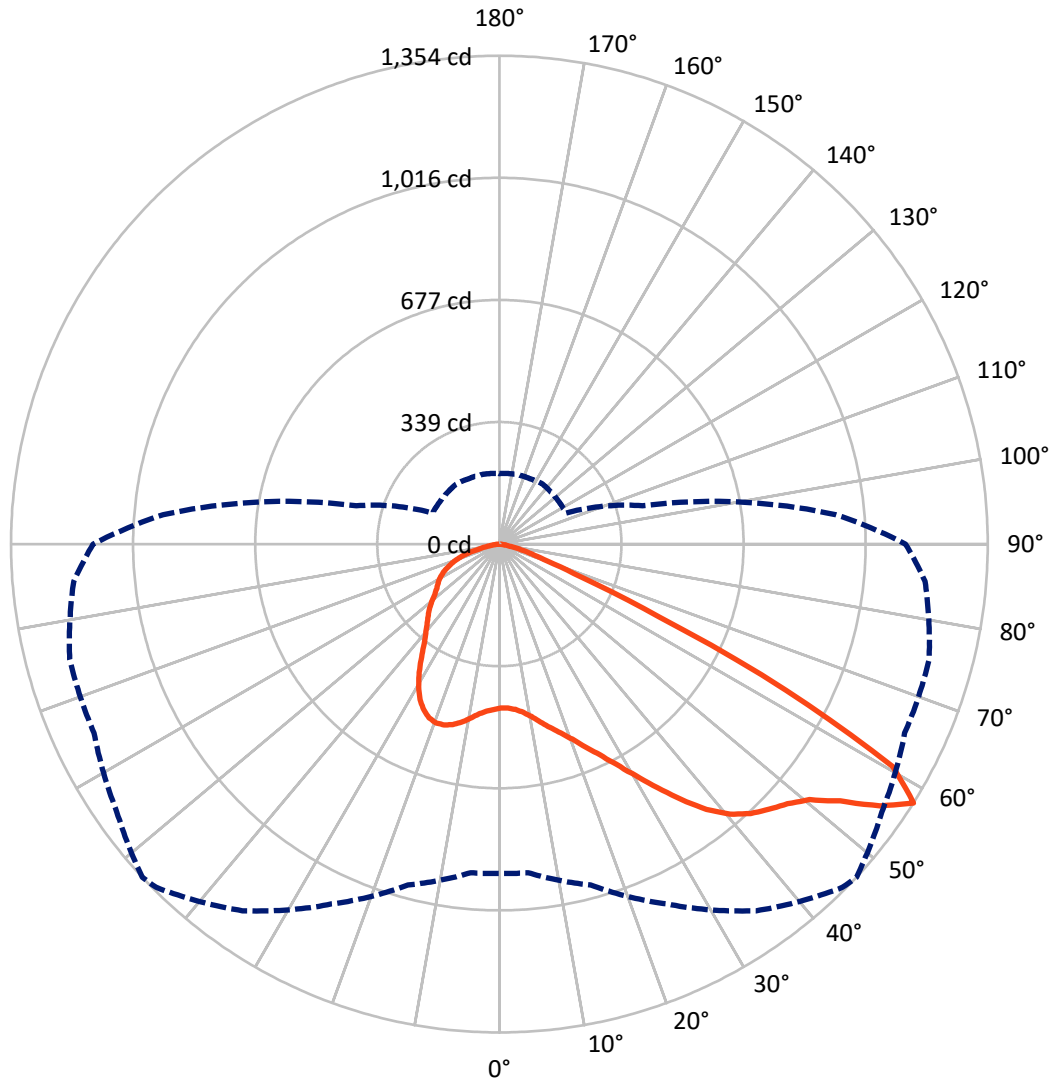
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	775.0	0.0	775.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	1673.8	0.0	1673.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	2448.8	0.0	2448.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	1.8
10°-20°	147.3	6.0
20°-30°	265.3	10.8
30°-40°	400.7	16.4
40°-50°	539.5	22.0
50°-60°	648.3	26.5
60°-70°	315.7	12.9
70°-80°	77.8	3.2
80°-90°	9.4	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°	2448.8	100.0
0°-180°	2448.8	100.0

Coefficient of Utilization



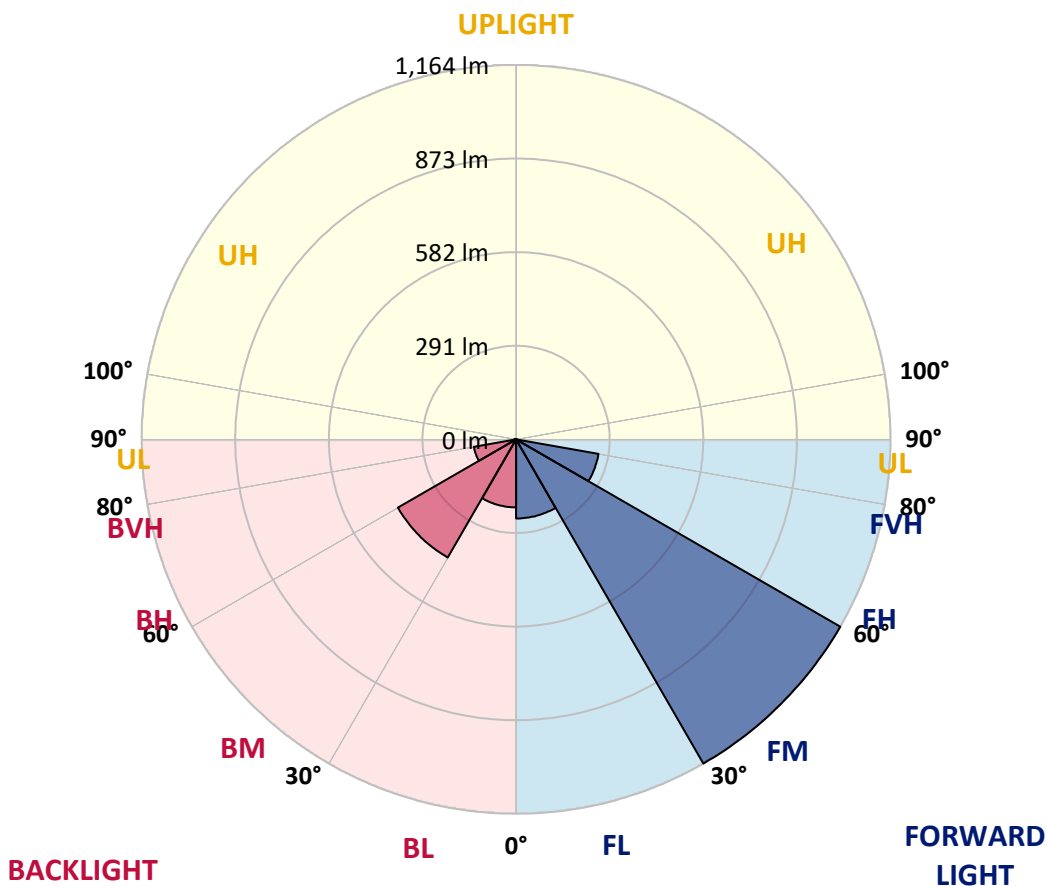
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.0	10.0			
FM (30°-60°)	1164.0	47.5			
FH (60°-80°)	260.2	10.6			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	211.4	8.6	B1/500		
BM (30°-60°)	424.5	17.3	B1/1000		
BH (60°-80°)	133.3	5.4	B1/500		G1/500
BVH (80°-90°)	5.8	0.2			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°	47°	55°	65°	75°	85°
0°	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1
2.5°	453.3	453.1	453.1	454.3	454.3	454.8	455.4	456.0	456.2	455.2	452.9
5°	458.2	458.2	458.2	459.3	459.3	459.7	460.5	460.7	460.5	458.9	456.6
7.5°	466.1	466.1	466.3	467.5	468.5	469.1	470.6	470.4	469.8	467.1	464.2
10°	478.8	479.4	480.0	481.5	483.5	485.0	486.0	486.0	485.2	481.1	477.4
12.5°	496.9	497.7	498.4	499.6	501.2	503.7	506.0	506.0	504.9	499.8	494.2
15°	518.1	518.9	518.7	519.1	522.2	525.7	527.6	528.8	529.2	522.0	513.4
17.5°	542.4	543.2	542.4	541.1	541.5	547.1	550.4	554.9	557.6	547.9	534.1
20°	564.4	563.6	563.6	564.4	565.6	572.4	577.3	584.7	588.0	576.3	554.9
22.5°	587.6	589.5	588.6	588.6	593.6	604.9	610.9	620.5	624.0	608.8	580.0
25°	617.6	619.3	618.9	619.3	625.1	641.1	647.1	665.0	668.4	646.6	607.8
27.5°	650.6	653.2	654.5	654.1	663.3	684.3	691.7	716.6	723.0	689.0	637.4
30°	693.3	696.2	697.2	696.8	707.7	736.3	744.8	773.1	782.2	739.2	675.0
32.5°	742.9	745.8	748.9	750.1	764.1	793.3	805.4	834.8	847.8	797.2	720.5
35°	792.1	794.5	800.5	810.2	829.3	859.1	869.8	898.8	911.4	857.5	775.4
37.5°	846.4	848.0	853.1	866.5	894.1	922.5	933.2	960.9	962.4	915.7	837.5
40°	905.8	905.8	904.8	917.9	946.7	975.3	984.6	1000.6	992.2	960.5	898.0
42.5°	956.2	955.4	956.2	968.5	989.9	1013.2	1021.2	1018.1	1007.4	994.9	952.7
45°	1001.6	1002.3	1009.7	1019.1	1030.2	1044.0	1048.7	1031.3	1021.6	1022.4	996.5
47.5°	1032.5	1033.1	1050.4	1066.2	1073.0	1077.3	1075.3	1051.0	1046.1	1055.3	1030.2
50°	1036.6	1039.9	1069.7	1102.2	1119.1	1119.7	1113.9	1084.3	1082.9	1093.4	1048.3
52.5°	1037.4	1040.7	1078.0	1136.6	1180.4	1189.6	1183.1	1152.2	1137.2	1126.7	1070.5
55°	1034.3	1038.0	1079.2	1159.6	1243.5	1280.5	1281.2	1237.6	1189.6	1182.6	1133.9
57.5°	913.2	914.6	978.4	1101.0	1241.1	1345.9	1354.0	1294.7	1240.0	1233.4	1184.7
60°	636.2	641.9	711.2	873.1	1042.6	1227.5	1253.4	1236.1	1199.5	1151.6	1016.5
62.5°	318.6	323.5	393.0	546.1	719.0	865.1	892.8	911.1	919.8	868.4	692.1
65°	137.2	140.9	184.1	285.3	407.0	477.6	487.2	509.3	563.1	502.5	372.9
67.5°	91.7	94.2	116.2	174.0	239.8	244.3	242.9	247.6	259.4	214.1	168.4
70°	70.3	72.4	87.2	127.5	172.4	147.5	139.7	126.7	137.6	140.3	136.6
72.5°	51.0	52.7	63.8	87.0	108.0	94.2	93.0	99.5	114.4	118.5	116.2
75°	32.9	33.7	40.5	47.7	55.7	60.5	62.9	74.9	89.9	93.0	90.3
77.5°	22.0	22.6	26.5	30.6	31.7	31.9	32.7	38.1	48.3	54.1	53.5
80°	11.5	11.5	13.0	13.0	14.8	17.7	18.5	22.0	26.7	29.6	29.8
82.5°	4.5	4.7	5.6	6.2	7.4	9.0	9.7	11.5	14.0	16.0	17.9
85°	1.9	2.1	2.3	2.7	3.3	4.1	4.3	4.9	6.6	8.2	9.3
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	0.6	0.8	1.0	1.9	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°	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1	454.1
2.5°	455.6	452.9	455.6	456.4	458.7	459.5	458.0	457.8	457.8	455.8	455.2
5°	458.7	456.2	458.9	460.1	463.4	465.4	465.9	467.5	468.5	467.7	467.5
7.5°	466.3	463.2	466.1	467.9	472.2	475.5	477.0	480.7	483.3	482.9	482.7
10°	479.6	475.5	478.8	481.9	486.6	490.5	490.7	492.8	495.5	494.7	494.2
12.5°	495.1	491.2	494.9	497.9	503.5	505.1	502.5	501.6	502.1	501.0	500.2
15°	514.0	508.4	511.7	515.2	518.3	516.5	510.7	508.4	508.2	506.8	506.0
17.5°	532.9	525.9	528.4	530.2	528.8	523.0	515.8	511.9	510.1	507.2	506.4
20°	551.6	542.8	542.4	540.9	534.3	523.9	514.2	506.4	501.6	497.7	496.3
22.5°	573.0	560.7	554.5	547.9	533.5	516.5	501.9	490.7	483.1	478.2	476.6
25°	596.1	578.6	565.8	552.7	525.3	500.6	480.3	465.0	456.0	450.6	448.8
27.5°	618.9	594.8	575.7	553.3	508.8	477.8	450.4	429.9	420.8	416.5	415.1
30°	649.7	616.4	587.4	545.2	487.2	446.1	412.0	391.2	385.2	382.1	380.9
32.5°	685.3	643.8	603.0	528.4	459.7	409.1	373.1	358.7	354.6	348.6	348.4
35°	732.2	682.8	617.9	503.5	424.9	369.4	343.3	333.0	325.6	316.1	315.3
37.5°	786.9	731.6	625.9	471.8	384.4	336.7	321.1	309.5	297.6	285.1	283.4
40°	843.5	788.6	626.5	434.4	344.7	315.1	301.9	286.9	272.1	258.1	256.3
42.5°	902.9	841.6	615.6	391.2	312.2	296.4	283.0	264.1	247.4	238.0	236.9
45°	956.0	884.4	590.9	345.7	288.2	280.7	263.7	243.3	234.5	227.7	226.2
47.5°	997.7	912.8	557.6	305.0	268.6	264.7	242.5	232.0	225.2	219.0	217.6
50°	1018.3	919.2	514.2	271.9	250.5	245.8	230.6	222.5	218.0	213.1	211.8
52.5°	1043.8	926.4	476.8	244.1	232.8	226.4	220.7	214.3	211.0	207.9	206.9
55°	1102.4	953.5	457.0	221.9	216.0	213.1	212.3	206.9	205.9	203.8	202.0
57.5°	1126.3	936.0	410.3	203.8	202.6	203.0	205.1	200.1	199.1	196.6	195.4
60°	905.8	707.5	277.9	188.2	191.5	194.2	196.2	191.3	189.8	189.4	187.8
62.5°	580.4	435.2	194.0	173.6	178.5	181.8	183.1	178.3	177.3	180.6	180.8
65°	302.1	237.1	157.3	158.0	162.1	167.0	169.5	167.8	167.4	170.9	171.1
67.5°	154.3	145.0	137.2	139.4	142.7	149.1	154.9	162.1	164.5	165.0	165.2
70°	131.4	127.3	123.4	124.8	128.3	131.8	137.4	140.9	136.8	135.7	135.3
72.5°	111.9	108.8	107.0	108.6	110.4	109.8	108.2	109.8	110.4	110.7	110.9
75°	87.0	84.7	83.3	83.5	83.5	81.2	78.2	76.3	74.2	72.6	72.6
77.5°	53.3	53.7	55.1	54.9	54.7	53.9	50.8	49.2	44.2	42.8	42.8
80°	30.4	31.1	32.5	32.9	32.9	31.9	28.8	26.9	24.7	23.7	23.4
82.5°	18.5	19.3	20.2	20.6	20.8	19.5	16.9	15.4	14.2	13.2	13.2
85°	9.7	10.1	10.9	11.1	10.5	9.3	7.8	7.2	6.0	5.8	5.8
87.5°	2.7	2.9	3.3	2.7	2.5	1.9	1.0	0.8	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)