

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: P628934

Luminaire Tested: GWS-SA1A-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2277.2 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

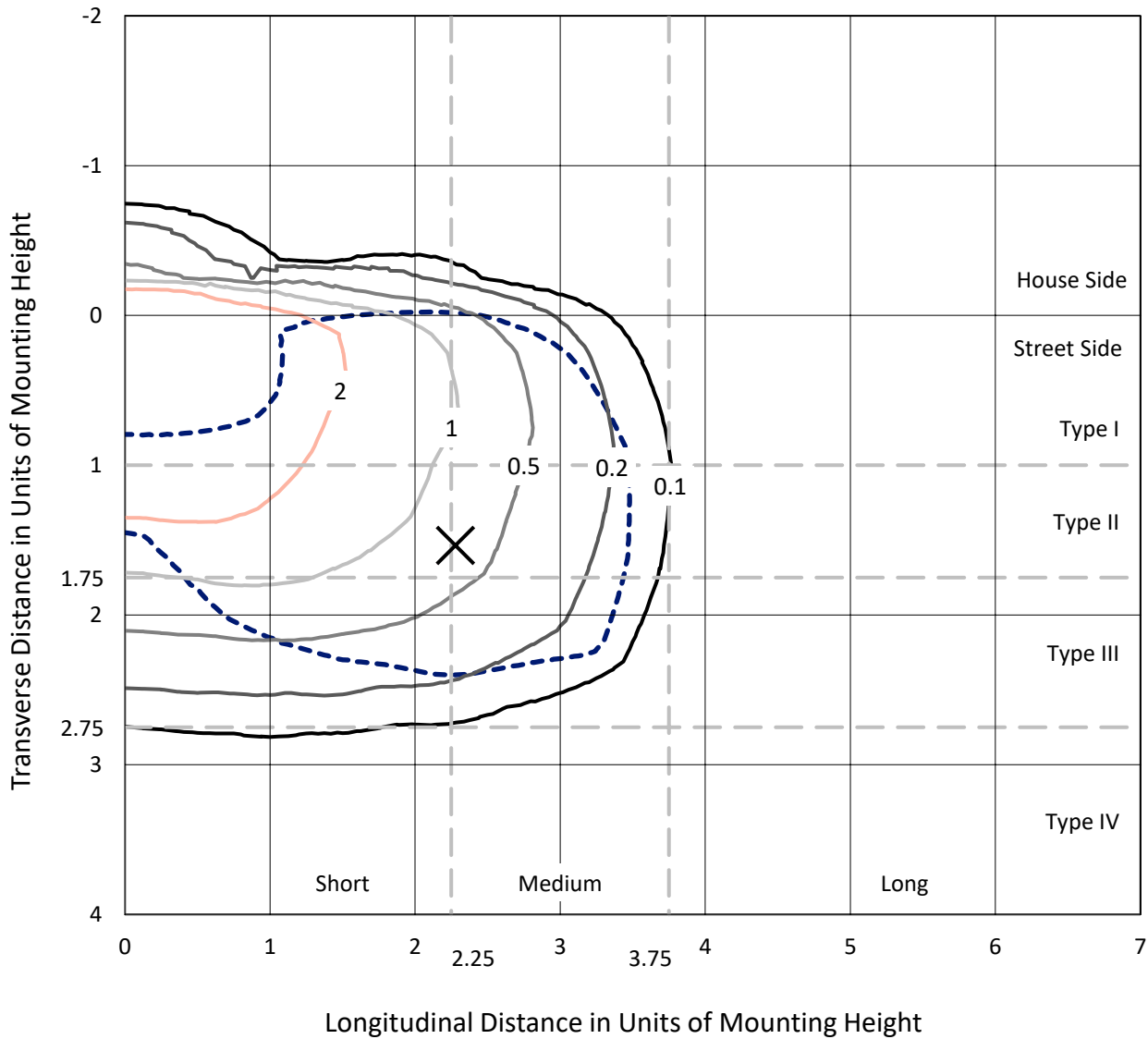
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

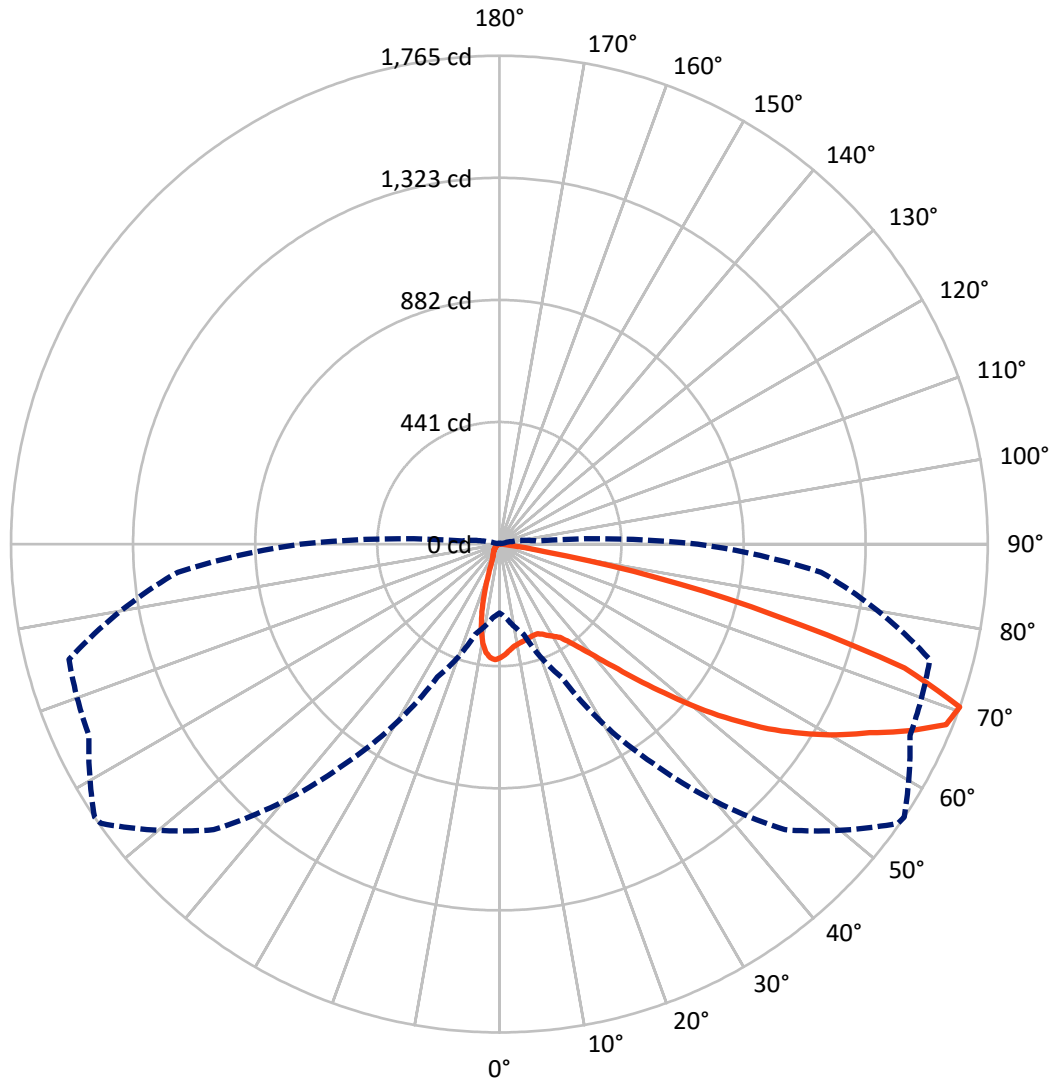
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	204.5	0.0	204.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2072.7	0.0	2072.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	2277.2	0.0	2277.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	1.5
10°-20°	79.3	3.5
20°-30°	125.6	5.5
30°-40°	216.6	9.5
40°-50°	365.7	16.1
50°-60°	537.4	23.6
60°-70°	637.1	28.0
70°-80°	271.7	11.9
80°-90°	8.5	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°	2277.2	100.0
0°-180°	2277.2	100.0

Coefficient of Utilization



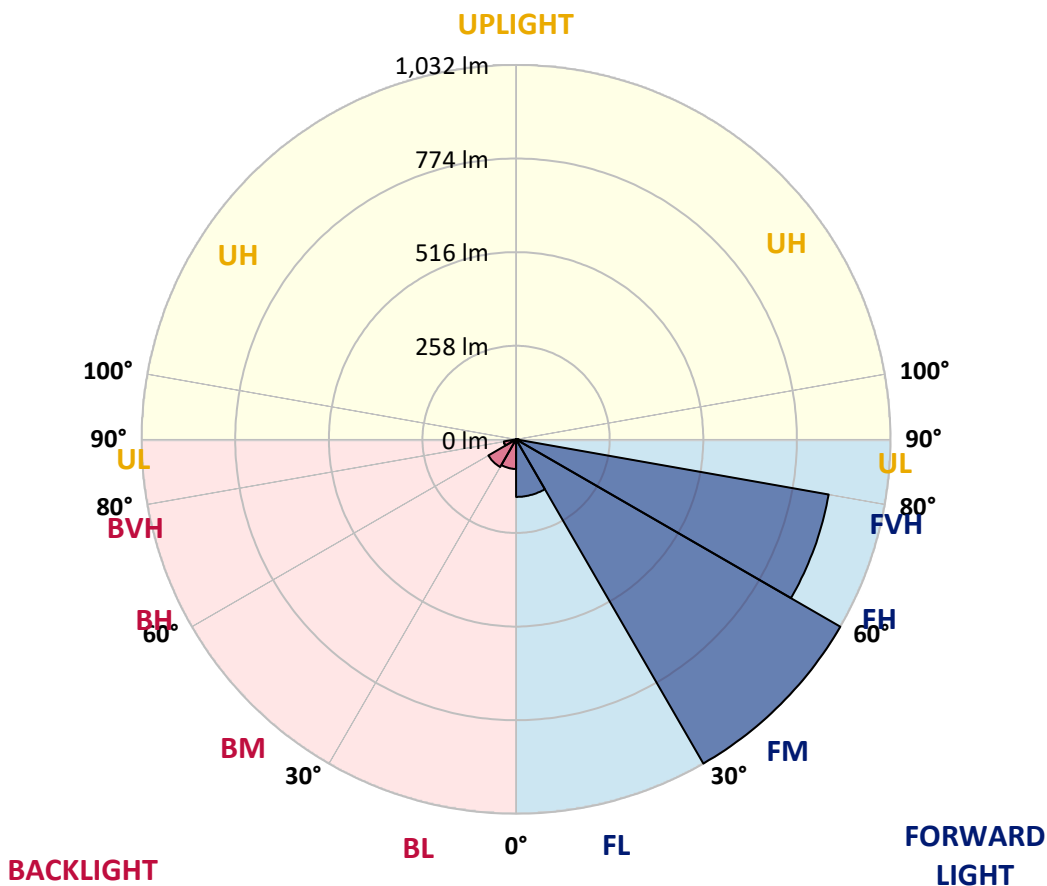
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.7	7.0			
FM (30°-60°)	1031.6	45.3			
FH (60°-80°)	874.7	38.4			G1/1800
FVH (80°-90°)	7.7	0.3			G0/10
BL (0°-30°)	81.5	3.6	B0/110		
BM (30°-60°)	88.1	3.9	B0/220		
BH (60°-80°)	34.1	1.5	B0/110		G0/110
BVH (80°-90°)	0.9	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6
2.5°	382.2	381.6	382.0	385.2	391.0	393.7	398.3	399.1	402.9	407.7	409.6
5°	357.4	355.3	356.4	360.8	367.4	374.9	383.5	385.8	395.2	405.8	413.7
7.5°	334.7	332.4	334.9	341.8	351.2	359.3	372.0	373.5	388.5	407.3	421.7
10°	299.0	299.7	304.7	316.8	331.2	348.0	365.1	367.2	385.8	412.1	434.4
12.5°	271.7	270.3	275.7	289.4	309.7	334.3	359.9	362.6	386.0	419.4	450.6
15°	259.0	258.6	260.9	270.9	290.5	319.5	355.1	358.7	388.7	426.0	466.1
17.5°	259.4	258.8	258.6	264.4	279.0	308.4	349.9	354.5	391.0	433.3	482.3
20°	277.6	274.6	269.4	266.7	275.5	301.3	346.4	351.6	394.3	441.0	499.6
22.5°	315.5	316.6	302.6	288.0	283.8	302.2	346.0	352.0	401.6	453.1	520.9
25°	391.4	389.7	363.9	331.2	308.4	311.8	353.3	360.6	416.0	470.5	540.9
27.5°	486.5	488.0	452.5	400.4	352.8	331.6	366.6	373.9	432.7	481.3	554.3
30°	590.1	588.7	550.7	493.0	415.8	364.5	379.9	386.4	441.0	487.1	568.0
32.5°	688.2	684.8	647.3	586.8	496.1	416.4	398.3	402.1	452.1	499.9	586.6
35°	771.8	771.6	738.8	674.4	578.7	481.5	429.8	432.9	472.7	520.1	613.9
37.5°	858.1	855.2	818.5	759.7	663.6	552.8	478.0	476.7	505.3	549.9	647.5
40°	929.0	927.1	899.0	842.5	751.8	631.6	536.3	532.6	543.9	591.2	694.2
42.5°	981.6	981.8	973.0	938.6	845.2	722.8	609.8	603.9	603.7	653.5	755.9
45°	1021.4	1024.1	1037.2	1032.0	955.5	828.9	703.8	697.8	687.5	734.5	826.6
47.5°	1040.0	1043.5	1083.1	1104.0	1052.1	934.2	815.8	803.1	783.0	842.1	905.7
50°	1038.1	1044.3	1099.6	1163.0	1139.6	1041.0	937.8	931.7	899.0	955.9	983.9
52.5°	995.5	1008.9	1100.6	1198.9	1207.0	1139.4	1063.9	1052.7	1036.8	1074.8	1057.3
55°	880.0	896.3	1056.6	1210.3	1259.5	1225.3	1187.4	1178.2	1151.9	1187.0	1121.3
57.5°	817.2	831.2	964.0	1204.7	1304.2	1304.8	1297.3	1289.8	1268.1	1297.9	1196.4
60°	779.5	793.5	914.6	1184.1	1344.6	1388.6	1400.5	1399.7	1368.4	1424.1	1284.4
62.5°	724.2	743.4	863.1	1130.5	1373.4	1471.2	1507.1	1501.4	1466.6	1555.4	1371.5
65°	612.7	629.4	757.6	1042.0	1356.5	1539.6	1622.6	1625.5	1585.3	1679.1	1440.3
67.5°	429.6	441.9	569.3	856.4	1241.8	1562.1	1740.8	1740.6	1672.0	1742.5	1409.9
70°	249.0	265.9	336.4	529.5	966.1	1459.7	1758.6	1764.6	1636.8	1610.1	1166.7
72.5°	96.3	110.3	190.6	281.3	503.8	1118.2	1512.7	1530.4	1369.9	1242.0	812.0
75°	28.8	32.1	89.7	149.7	202.3	540.1	1024.1	1029.1	939.7	774.7	416.2
77.5°	21.5	23.8	39.2	75.7	70.9	163.7	529.9	578.7	498.8	276.7	114.7
80°	14.6	17.3	27.9	36.9	26.3	43.6	148.9	163.5	152.2	62.1	28.8
82.5°	6.5	8.3	19.8	18.6	9.6	12.5	45.9	48.8	31.5	18.8	10.0
85°	0.6	0.8	7.5	8.1	3.5	2.9	9.6	9.6	6.9	6.5	4.2
87.5°	0.0	0.0	0.2	0.4	0.4	0.6	0.8	1.0	1.3	1.7	2.1
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°	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6
2.5°	414.4	411.9	415.0	417.5	418.1	413.5	410.8	406.8	406.0	406.2	405.2
5°	420.0	418.7	421.0	418.3	411.2	397.9	386.4	373.7	366.8	362.8	362.4
7.5°	430.4	429.8	427.3	415.0	392.9	363.3	334.7	306.8	289.4	283.2	282.1
10°	445.8	444.6	434.4	405.2	358.1	301.1	253.2	213.1	188.7	181.6	172.9
12.5°	463.6	461.1	438.8	384.1	305.5	226.7	166.8	122.0	100.9	94.7	94.7
15°	480.7	475.2	436.3	349.3	240.9	147.4	93.2	70.5	64.0	62.4	62.4
17.5°	498.2	487.8	426.5	301.7	166.4	87.2	62.1	57.8	56.9	57.1	57.3
20°	514.7	498.4	409.1	244.6	106.1	60.9	55.7	54.6	54.2	54.6	54.4
22.5°	532.6	508.2	382.9	182.3	69.0	54.8	53.0	52.1	51.7	52.3	52.3
25°	550.3	515.3	348.0	122.6	54.8	51.1	50.0	49.2	48.8	49.0	49.0
27.5°	559.5	512.6	302.4	78.2	49.2	47.3	46.3	45.3	44.6	44.4	44.6
30°	565.8	504.2	246.5	55.7	44.6	42.3	41.3	40.5	38.8	37.7	38.2
32.5°	575.6	495.9	185.8	46.7	40.9	37.3	35.7	33.6	31.3	30.2	30.2
35°	587.2	484.4	130.3	42.1	36.9	33.2	30.0	26.5	23.8	22.9	22.9
37.5°	602.7	473.6	86.7	39.0	33.6	29.6	25.2	21.1	18.1	17.7	17.5
40°	625.8	464.4	61.1	36.7	30.7	25.9	20.6	16.3	14.2	13.6	13.6
42.5°	655.8	455.0	48.4	34.4	28.2	22.3	16.5	12.9	11.3	10.8	10.6
45°	693.0	444.0	42.1	32.3	25.6	18.6	13.1	10.8	9.6	9.2	9.2
47.5°	733.2	429.0	39.2	29.6	22.7	15.0	11.1	9.4	8.8	8.5	8.3
50°	772.8	408.7	36.7	27.1	19.4	12.3	9.6	8.5	8.1	7.9	7.9
52.5°	807.4	385.2	33.6	24.2	15.8	10.6	8.5	7.9	7.5	7.1	6.9
55°	837.1	359.5	29.6	20.9	12.9	9.4	7.9	7.3	6.9	6.5	6.3
57.5°	875.2	344.9	23.8	16.9	10.6	8.3	7.3	6.7	6.3	5.6	5.6
60°	917.5	334.3	17.7	13.3	9.2	7.7	6.7	6.0	5.6	5.0	5.0
62.5°	951.5	318.4	14.0	10.8	7.9	6.9	6.0	5.4	5.0	4.4	4.4
65°	964.5	285.7	11.5	8.5	6.5	6.0	5.4	5.0	4.4	3.8	3.8
67.5°	906.1	220.2	9.6	6.9	5.4	5.2	4.8	4.6	3.8	3.3	3.1
70°	717.6	134.3	7.9	5.6	4.6	4.4	4.4	4.0	3.3	3.1	2.9
72.5°	491.7	69.2	6.5	4.6	4.0	4.0	3.8	3.5	3.1	2.9	2.9
75°	255.5	23.1	5.0	3.5	3.1	3.3	3.3	3.1	2.9	2.9	2.7
77.5°	73.2	10.4	3.8	2.7	2.5	2.5	2.7	2.7	2.7	2.5	2.5
80°	19.0	6.0	2.7	2.1	2.1	2.1	2.1	2.3	2.5	2.3	2.3
82.5°	7.7	3.3	1.9	1.7	1.7	1.7	1.7	1.9	2.1	2.1	2.1
85°	4.8	1.7	1.5	1.5	1.5	1.3	1.3	1.5	1.5	1.7	1.7
87.5°	2.9	1.3	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0	1.0
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)