

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: P629154

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629154
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-SA1B-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2066.6 lumens
Efficiency: N/A
Efficacy: 82.7 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

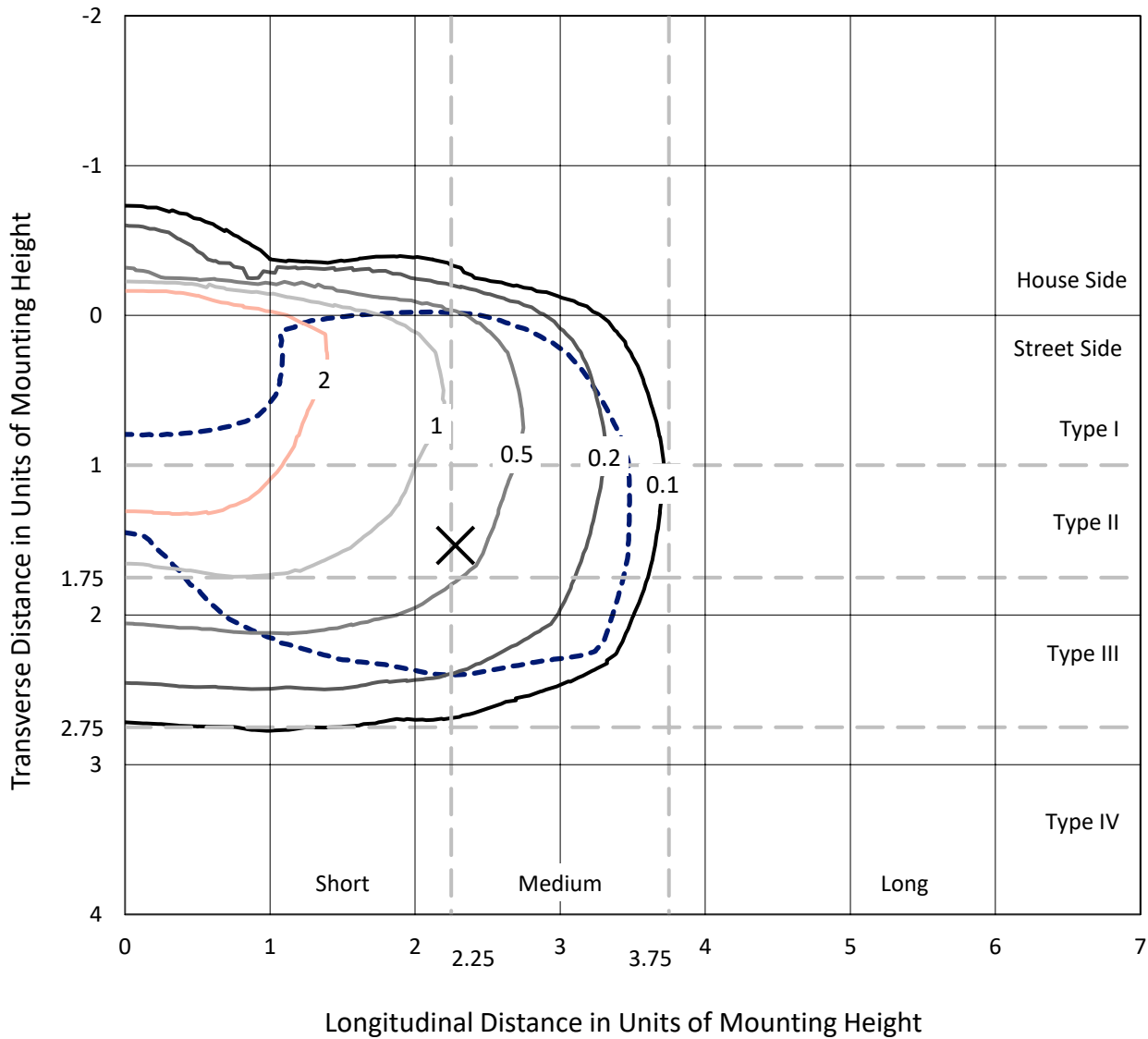
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

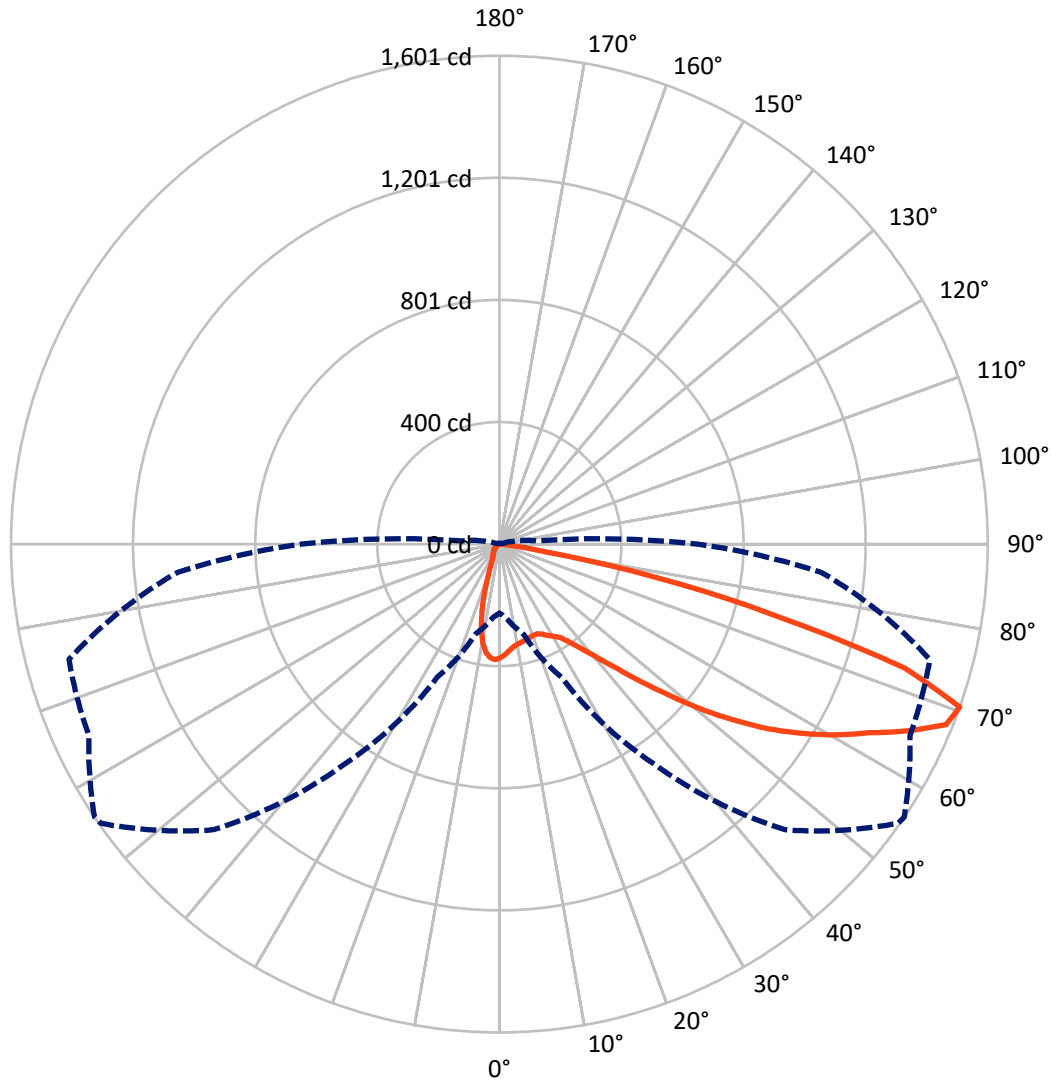
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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	185.6	0.0	185.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1881.0	0.0	1881.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	2066.6	0.0	2066.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	1.5
10°-20°	72.0	3.5
20°-30°	114.0	5.5
30°-40°	196.6	9.5
40°-50°	331.9	16.1
50°-60°	487.7	23.6
60°-70°	578.2	28.0
70°-80°	246.6	11.9
80°-90°	7.7	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°	2066.6	100.0
0°-180°	2066.6	100.0

Coefficient of Utilization



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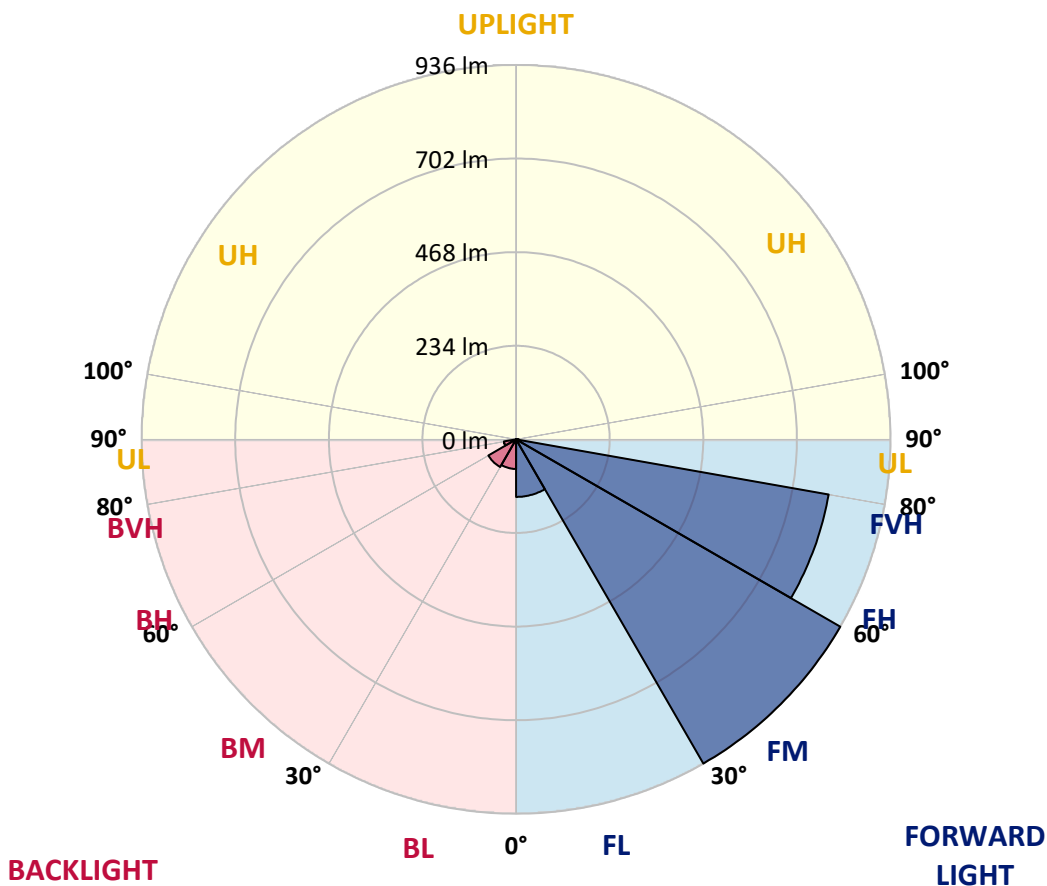
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.0	7.0			
FM (30°-60°)	936.2	45.3			
FH (60°-80°)	793.8	38.4			G1/1800
FVH (80°-90°)	7.0	0.3			G0/10
BL (0°-30°)	73.9	3.6	B0/110		
BM (30°-60°)	79.9	3.9	B0/220		
BH (60°-80°)	31.0	1.5	B0/110		G0/110
BVH (80°-90°)	0.8	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°	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6
2.5°	346.9	346.3	346.7	349.5	354.8	357.3	361.5	362.2	365.6	370.0	371.7
5°	324.4	322.5	323.4	327.4	333.5	340.3	348.0	350.1	358.6	368.3	375.5
7.5°	303.7	301.7	303.9	310.2	318.7	326.1	337.6	338.9	352.6	369.6	382.7
10°	271.4	271.9	276.5	287.5	300.5	315.9	331.4	333.3	350.1	374.0	394.2
12.5°	246.6	245.3	250.2	262.7	281.0	303.4	326.6	329.1	350.3	380.6	409.0
15°	235.0	234.7	236.7	245.8	263.6	289.9	322.3	325.5	352.8	386.6	423.0
17.5°	235.4	234.9	234.7	240.0	253.2	279.9	317.6	321.7	354.8	393.3	437.7
20°	251.9	249.2	244.5	242.0	250.0	273.5	314.3	319.1	357.9	400.3	453.4
22.5°	286.3	287.3	274.6	261.4	257.6	274.2	314.0	319.5	364.5	411.2	472.7
25°	355.2	353.7	330.2	300.5	279.9	282.9	320.6	327.2	377.5	426.9	490.9
27.5°	441.5	442.8	410.7	363.4	320.2	300.9	332.7	339.3	392.7	436.8	503.0
30°	535.6	534.2	499.8	447.4	377.4	330.8	344.8	350.7	400.3	442.1	515.5
32.5°	624.5	621.5	587.4	532.5	450.2	377.9	361.5	364.9	410.3	453.6	532.4
35°	700.4	700.2	670.5	612.0	525.2	437.0	390.0	392.9	429.0	472.0	557.1
37.5°	778.8	776.1	742.8	689.4	602.2	501.7	433.8	432.6	458.5	499.0	587.6
40°	843.1	841.4	815.8	764.6	682.2	573.2	486.7	483.3	493.6	536.5	630.0
42.5°	890.8	891.0	883.0	851.8	767.0	655.9	553.4	548.1	547.9	593.1	686.0
45°	926.9	929.4	941.3	936.6	867.1	752.3	638.7	633.2	623.9	666.5	750.2
47.5°	943.8	947.0	983.0	1001.9	954.8	847.8	740.3	728.8	710.6	764.2	821.9
50°	942.1	947.8	997.9	1055.4	1034.2	944.7	851.0	845.6	815.8	867.5	892.9
52.5°	903.5	915.6	998.8	1088.0	1095.4	1034.0	965.5	955.3	940.9	975.4	959.5
55°	798.6	813.4	958.9	1098.4	1143.1	1112.0	1077.6	1069.2	1045.4	1077.2	1017.6
57.5°	741.7	754.3	874.9	1093.3	1183.6	1184.1	1177.3	1170.5	1150.8	1177.9	1085.7
60°	707.4	720.1	830.0	1074.5	1220.3	1260.2	1271.0	1270.2	1241.8	1292.4	1165.6
62.5°	657.3	674.7	783.3	1025.9	1246.4	1335.1	1367.7	1362.6	1331.0	1411.6	1244.7
65°	556.0	571.1	687.5	945.7	1231.1	1397.2	1472.5	1475.2	1438.7	1523.8	1307.1
67.5°	389.9	401.0	516.6	777.2	1127.0	1417.7	1579.8	1579.7	1517.4	1581.4	1279.5
70°	226.0	241.3	305.3	480.5	876.8	1324.7	1595.9	1601.4	1485.4	1461.2	1058.8
72.5°	87.4	100.1	173.0	255.3	457.2	1014.7	1372.8	1388.9	1243.2	1127.2	736.9
75°	26.1	29.1	81.4	135.9	183.6	490.2	929.4	933.9	852.8	703.1	377.7
77.5°	19.5	21.6	35.6	68.7	64.3	148.6	480.9	525.2	452.7	251.1	104.1
80°	13.2	15.7	25.4	33.5	23.8	39.6	135.1	148.4	138.2	56.4	26.1
82.5°	5.9	7.6	18.0	16.8	8.7	11.4	41.6	44.3	28.6	17.0	9.1
85°	0.6	0.8	6.8	7.4	3.2	2.6	8.7	8.7	6.2	5.9	3.8
87.5°	0.0	0.0	0.2	0.4	0.4	0.6	0.8	0.9	1.1	1.5	1.9
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°	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6
2.5°	376.0	373.8	376.6	378.9	379.4	375.3	372.8	369.2	368.5	368.7	367.7
5°	381.1	380.0	382.1	379.6	373.2	361.1	350.7	339.1	332.9	329.3	328.9
7.5°	390.6	390.0	387.8	376.6	356.5	329.7	303.7	278.4	262.7	257.0	256.1
10°	404.6	403.5	394.2	367.7	324.9	273.3	229.7	193.4	171.3	164.8	156.9
12.5°	420.7	418.4	398.2	348.6	277.2	205.7	151.4	110.7	91.6	85.9	85.9
15°	436.2	431.3	395.9	317.0	218.6	133.8	84.6	64.0	58.1	56.6	56.6
17.5°	452.1	442.7	387.0	273.8	151.0	79.1	56.4	52.4	51.7	51.9	52.0
20°	467.1	452.3	371.3	222.0	96.3	55.3	50.5	49.6	49.2	49.6	49.4
22.5°	483.3	461.2	347.5	165.4	62.6	49.8	48.1	47.3	46.9	47.5	47.5
25°	499.4	467.6	315.9	111.3	49.8	46.4	45.4	44.7	44.3	44.5	44.5
27.5°	507.8	465.2	274.4	71.0	44.7	43.0	42.0	41.1	40.5	40.3	40.5
30°	513.4	457.6	223.7	50.5	40.5	38.4	37.5	36.7	35.2	34.3	34.6
32.5°	522.3	450.0	168.6	42.4	37.1	33.9	32.4	30.5	28.4	27.4	27.4
35°	532.9	439.6	118.3	38.2	33.5	30.1	27.3	24.0	21.6	20.8	20.8
37.5°	546.9	429.8	78.7	35.4	30.5	26.9	22.9	19.1	16.5	16.1	15.9
40°	567.9	421.5	55.4	33.3	27.8	23.5	18.7	14.8	12.9	12.3	12.3
42.5°	595.2	412.9	43.9	31.2	25.5	20.2	15.0	11.7	10.2	9.8	9.7
45°	628.9	402.9	38.2	29.3	23.3	16.8	11.9	9.8	8.7	8.3	8.3
47.5°	665.4	389.3	35.6	26.9	20.6	13.6	10.0	8.5	7.9	7.8	7.6
50°	701.4	370.9	33.3	24.6	17.6	11.2	8.7	7.8	7.4	7.2	7.2
52.5°	732.8	349.5	30.5	22.0	14.4	9.7	7.8	7.2	6.8	6.4	6.2
55°	759.6	326.3	26.9	18.9	11.7	8.5	7.2	6.6	6.2	5.9	5.7
57.5°	794.3	313.0	21.6	15.3	9.7	7.6	6.6	6.1	5.7	5.1	5.1
60°	832.7	303.4	16.1	12.1	8.3	7.0	6.1	5.5	5.1	4.5	4.5
62.5°	863.5	289.0	12.7	9.8	7.2	6.2	5.5	4.9	4.5	4.0	4.0
65°	875.3	259.3	10.4	7.8	5.9	5.5	4.9	4.5	4.0	3.4	3.4
67.5°	822.3	199.8	8.7	6.2	4.9	4.7	4.4	4.2	3.4	3.0	2.8
70°	651.2	121.9	7.2	5.1	4.2	4.0	4.0	3.6	3.0	2.8	2.6
72.5°	446.2	62.8	5.9	4.2	3.6	3.6	3.4	3.2	2.8	2.6	2.6
75°	231.8	21.0	4.5	3.2	2.8	3.0	3.0	2.8	2.6	2.6	2.5
77.5°	66.4	9.5	3.4	2.5	2.3	2.3	2.5	2.5	2.5	2.3	2.3
80°	17.2	5.5	2.5	1.9	1.9	1.9	1.9	2.1	2.3	2.1	2.1
82.5°	7.0	3.0	1.7	1.5	1.5	1.5	1.5	1.7	1.9	1.9	1.9
85°	4.4	1.5	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.5	1.5
87.5°	2.6	1.1	1.1	1.1	1.1	0.9	0.9	0.9	0.9	0.9	0.9
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)