

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: P629345

Luminaire Tested: GWS-SA1B-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2096.3 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

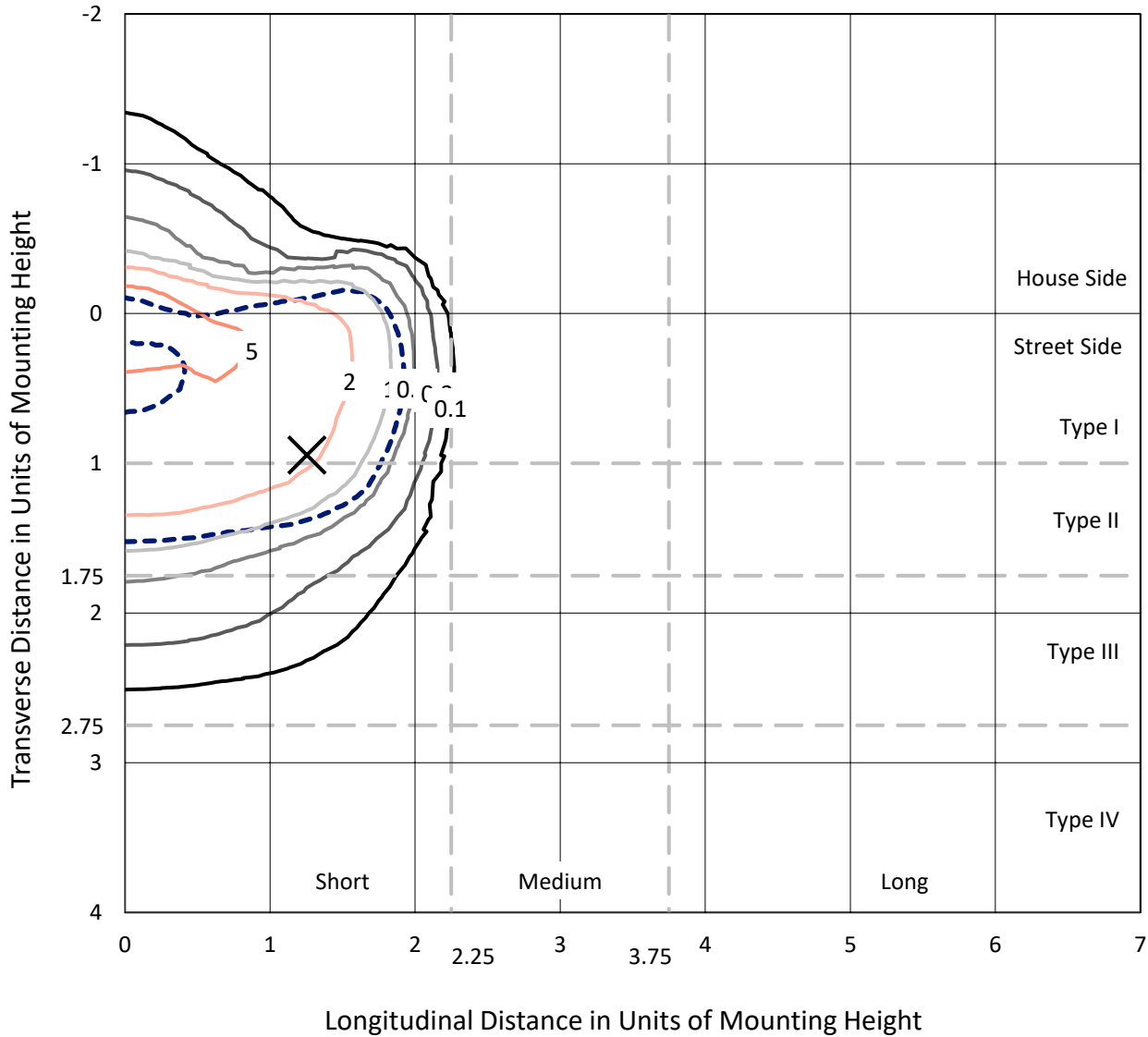
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

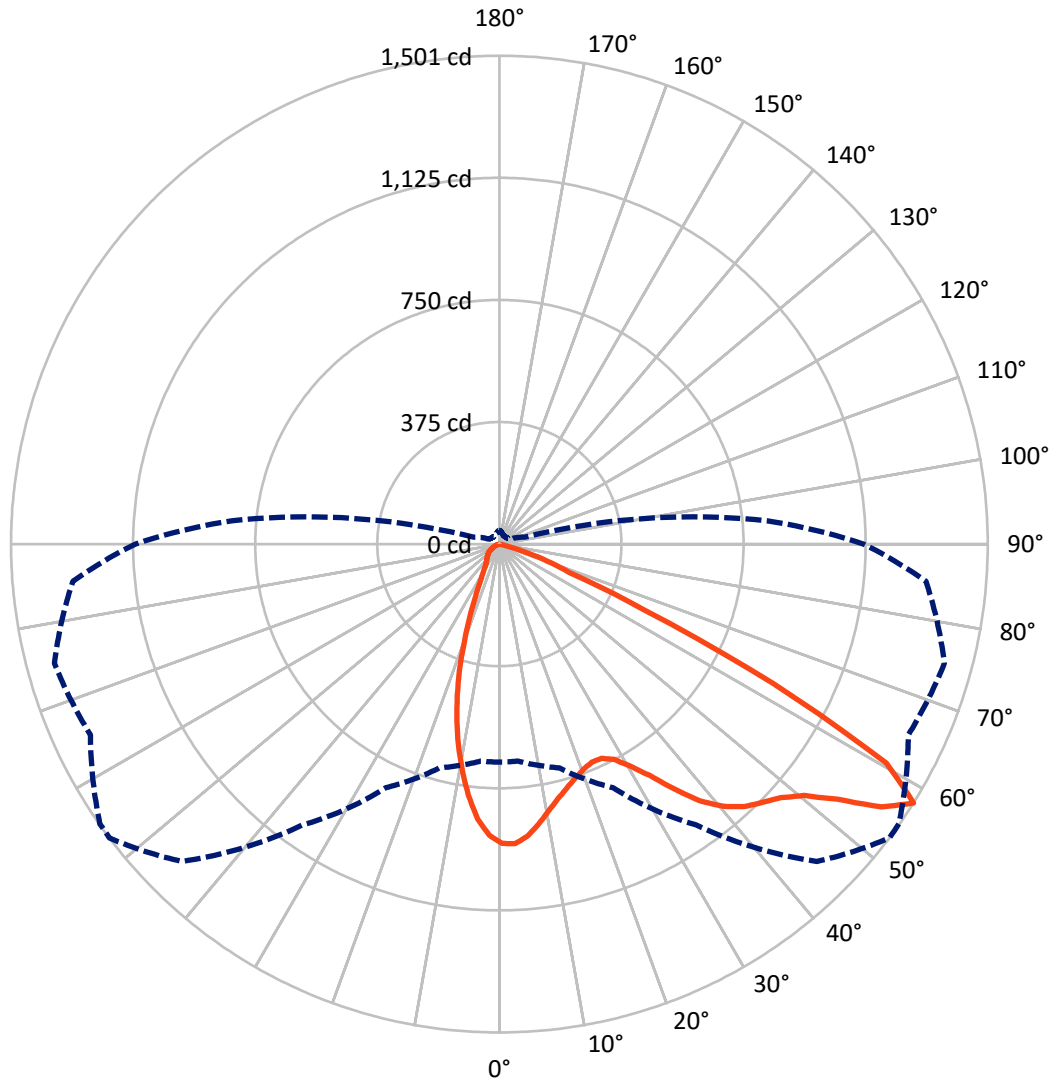
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.3	0.0	346.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1750.0	0.0	1750.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	2096.3	0.0	2096.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	3.8
10°-20°	172.7	8.2
20°-30°	225.0	10.7
30°-40°	326.4	15.6
40°-50°	470.9	22.5
50°-60°	569.6	27.2
60°-70°	232.1	11.1
70°-80°	20.9	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°	2096.3	100.0
0°-180°	2096.3	100.0

Coefficient of Utilization



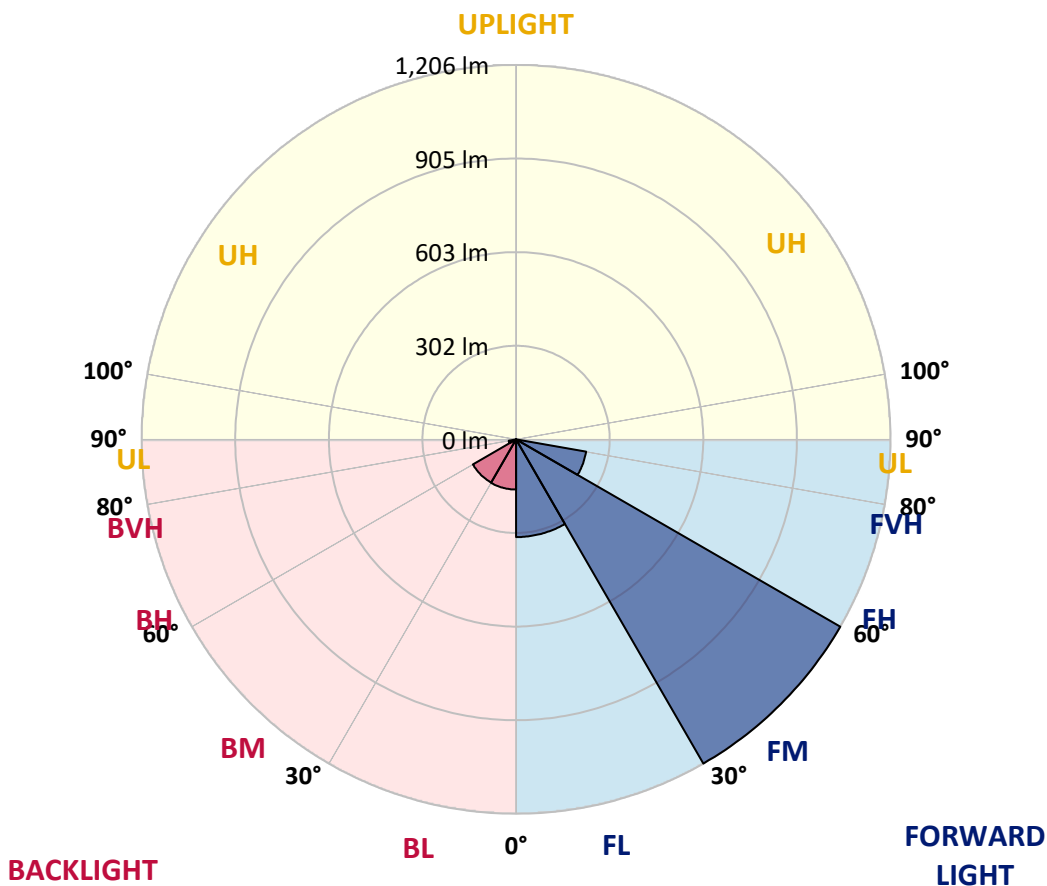
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.8	15.0			
FM (30°-60°)	1206.2	57.5			
FH (60°-80°)	229.1	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	161.6	7.7	B1/500		
BM (30°-60°)	160.7	7.7	B0/220		
BH (60°-80°)	23.9	1.1	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: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6
2.5°	906.7	908.8	912.4	917.0	920.1	921.6	921.6	926.0	923.2	920.8	918.3
5°	867.9	870.0	874.9	882.3	889.8	895.1	901.3	905.9	907.7	907.7	903.4
7.5°	813.2	816.0	819.1	829.4	845.6	857.6	868.2	874.9	884.6	887.7	881.5
10°	754.3	757.2	764.1	778.2	796.7	814.7	832.7	841.2	857.9	866.6	859.7
12.5°	704.5	705.8	715.0	732.0	755.6	780.3	802.1	810.9	834.5	847.6	839.4
15°	663.4	664.2	673.4	692.2	719.4	749.7	777.2	786.2	815.2	835.0	822.7
17.5°	632.3	632.6	640.5	660.8	689.3	723.0	755.6	766.7	804.2	828.1	809.6
20°	616.6	615.9	621.5	639.2	666.2	699.9	738.4	752.0	798.0	827.1	799.6
22.5°	616.9	615.1	617.4	630.0	652.9	684.5	727.6	743.0	798.5	831.4	791.1
25°	631.5	629.0	629.5	636.2	652.3	681.1	729.2	745.6	808.8	846.1	788.0
27.5°	656.2	653.4	653.4	656.7	665.5	691.7	748.4	767.2	836.3	874.6	794.4
30°	688.1	685.2	684.2	687.5	694.7	718.9	791.3	810.9	883.3	921.4	815.0
32.5°	724.5	721.2	723.0	727.6	734.6	768.0	846.6	872.5	942.2	984.3	852.0
35°	763.1	760.3	768.5	778.5	789.3	836.1	922.9	945.5	1014.4	1062.7	908.5
37.5°	799.8	798.5	815.8	836.8	859.2	917.8	1000.5	1018.0	1076.3	1148.0	977.6
40°	836.6	836.3	865.9	902.9	938.6	999.2	1059.3	1073.7	1114.1	1214.3	1043.9
42.5°	877.7	877.7	918.5	967.9	1015.4	1068.1	1102.5	1108.9	1131.0	1252.5	1093.8
45°	917.0	919.3	966.6	1023.9	1080.1	1121.8	1132.3	1132.8	1137.9	1275.1	1135.1
47.5°	948.1	950.1	1006.7	1072.7	1133.3	1162.6	1164.2	1161.8	1156.2	1296.7	1167.0
50°	973.3	976.3	1035.4	1105.3	1169.8	1201.9	1213.7	1211.4	1197.0	1319.9	1189.3
52.5°	985.6	990.0	1045.5	1121.5	1210.4	1269.2	1302.1	1307.5	1258.2	1332.7	1210.7
55°	886.9	893.3	944.5	1048.5	1233.0	1373.3	1424.9	1423.9	1324.5	1371.0	1262.6
57.5°	669.8	669.3	711.7	825.5	1053.2	1379.2	1500.5	1498.4	1386.4	1415.4	1315.7
60°	456.1	453.0	464.3	519.3	736.4	1123.6	1365.6	1393.3	1342.5	1307.5	1117.1
62.5°	375.4	372.6	369.0	353.8	422.9	699.9	943.5	985.6	978.9	908.8	700.7
65°	307.3	309.6	319.6	313.2	294.2	358.9	489.7	514.6	470.4	395.9	244.9
67.5°	226.6	227.6	240.7	274.7	264.4	238.9	230.5	234.6	137.5	63.2	40.9
70°	133.9	134.6	146.7	192.2	214.5	183.4	155.7	153.4	54.5	17.0	18.5
72.5°	75.8	74.3	76.6	91.5	116.9	97.4	80.2	73.0	16.4	9.5	9.5
75°	36.0	34.9	30.1	28.3	25.7	16.4	10.3	8.7	4.1	3.9	3.9
77.5°	0.3	0.8	0.5	0.8	0.8	0.5	0.3	0.3	0.8	0.8	1.0
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6
2.5°	913.6	905.9	904.1	903.6	896.4	888.7	880.8	877.7	873.1	870.2	872.5
5°	896.4	885.4	875.6	866.6	850.7	833.2	818.1	808.3	799.1	792.9	794.4
7.5°	872.0	857.6	835.3	812.4	783.1	756.9	727.6	709.6	692.9	683.7	688.1
10°	846.1	827.1	791.3	752.6	706.6	665.5	623.6	589.4	569.6	550.9	552.9
12.5°	820.6	795.5	742.0	683.2	625.1	564.5	501.3	454.0	421.6	398.2	394.6
15°	797.0	764.6	694.0	616.4	537.2	456.6	375.9	308.3	270.8	247.7	246.1
17.5°	775.9	735.9	644.1	546.5	447.3	344.0	251.3	200.7	179.1	169.1	168.0
20°	755.6	706.8	593.3	475.6	349.2	241.5	173.4	150.0	143.1	139.0	139.5
22.5°	736.1	675.2	539.8	397.0	261.8	169.6	134.4	125.4	124.6	125.1	125.4
25°	719.7	646.2	484.8	321.2	186.8	129.2	112.3	109.7	112.0	115.4	115.9
27.5°	711.2	622.5	431.1	244.9	135.1	105.1	97.4	98.4	102.5	106.1	106.6
30°	713.5	604.8	375.6	177.5	104.1	88.6	86.1	88.1	92.2	95.6	96.1
32.5°	729.9	595.8	318.9	129.2	85.6	77.3	76.3	77.9	81.4	84.0	84.3
35°	762.6	597.9	264.9	98.9	73.5	68.9	68.6	69.6	71.4	73.2	73.5
37.5°	810.6	614.6	211.7	82.2	66.5	63.2	62.2	62.2	63.5	64.2	64.7
40°	862.3	639.8	169.6	72.7	61.7	58.1	56.0	55.2	56.3	57.3	57.6
42.5°	904.9	664.9	137.7	66.0	57.8	52.9	50.4	49.8	51.1	52.9	53.4
45°	937.5	684.5	114.8	60.6	53.4	48.0	45.2	45.2	47.5	50.6	51.1
47.5°	967.3	700.1	97.9	55.8	49.3	43.7	40.9	41.4	45.2	49.3	50.1
50°	987.6	712.7	85.3	51.4	46.0	40.1	37.5	38.5	43.2	48.0	48.8
52.5°	1009.5	728.1	77.1	47.5	42.9	37.3	34.9	35.7	40.9	46.2	47.3
55°	1069.9	779.8	76.8	42.4	37.5	33.4	32.4	32.6	37.8	43.9	45.2
57.5°	1119.2	825.3	82.0	35.7	31.3	29.3	28.8	29.0	33.7	40.6	42.1
60°	926.0	641.3	67.8	29.5	26.2	25.7	24.9	25.4	29.8	36.0	37.3
62.5°	548.0	366.6	32.4	22.6	22.4	21.8	21.1	22.1	26.2	31.6	32.4
65°	187.3	108.7	20.6	18.5	19.0	18.2	17.5	18.5	22.1	25.2	25.4
67.5°	36.0	28.8	16.4	15.4	15.7	14.1	13.9	14.9	17.0	17.5	17.2
70°	18.8	16.7	12.6	12.6	12.1	10.0	10.0	11.0	11.0	10.3	10.0
72.5°	9.8	9.2	8.2	9.2	7.7	6.2	6.2	6.7	6.2	5.1	5.1
75°	3.9	3.9	3.6	4.6	3.3	2.8	2.6	3.1	2.3	1.8	1.8
77.5°	1.0	1.0	1.0	1.3	0.8	0.8	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	0.0	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)