

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: P629341

Luminaire Tested: GWS-SA1B-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 2104.5 lumens
Efficiency: N/A
Efficacy: 84.2 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

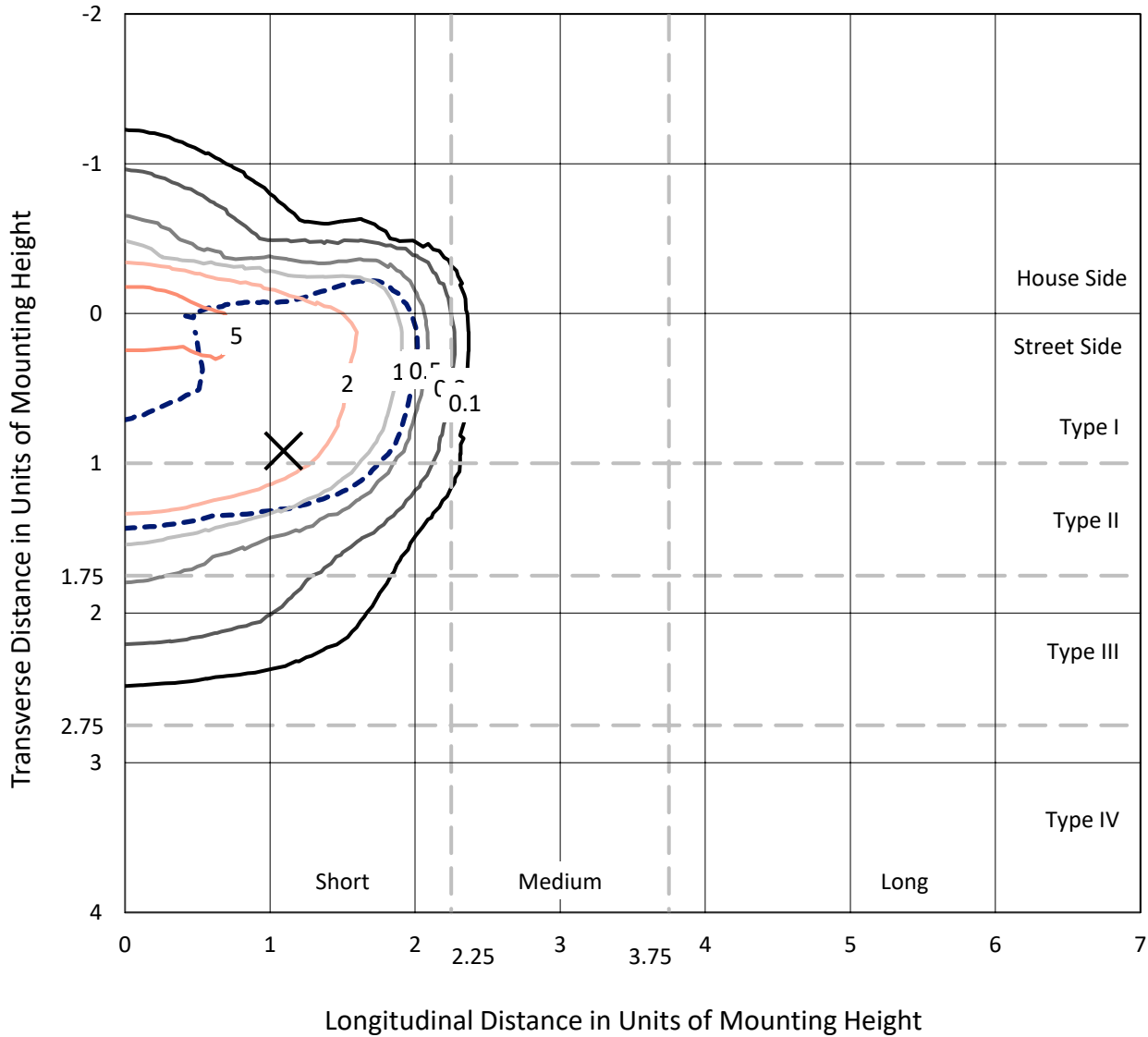
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

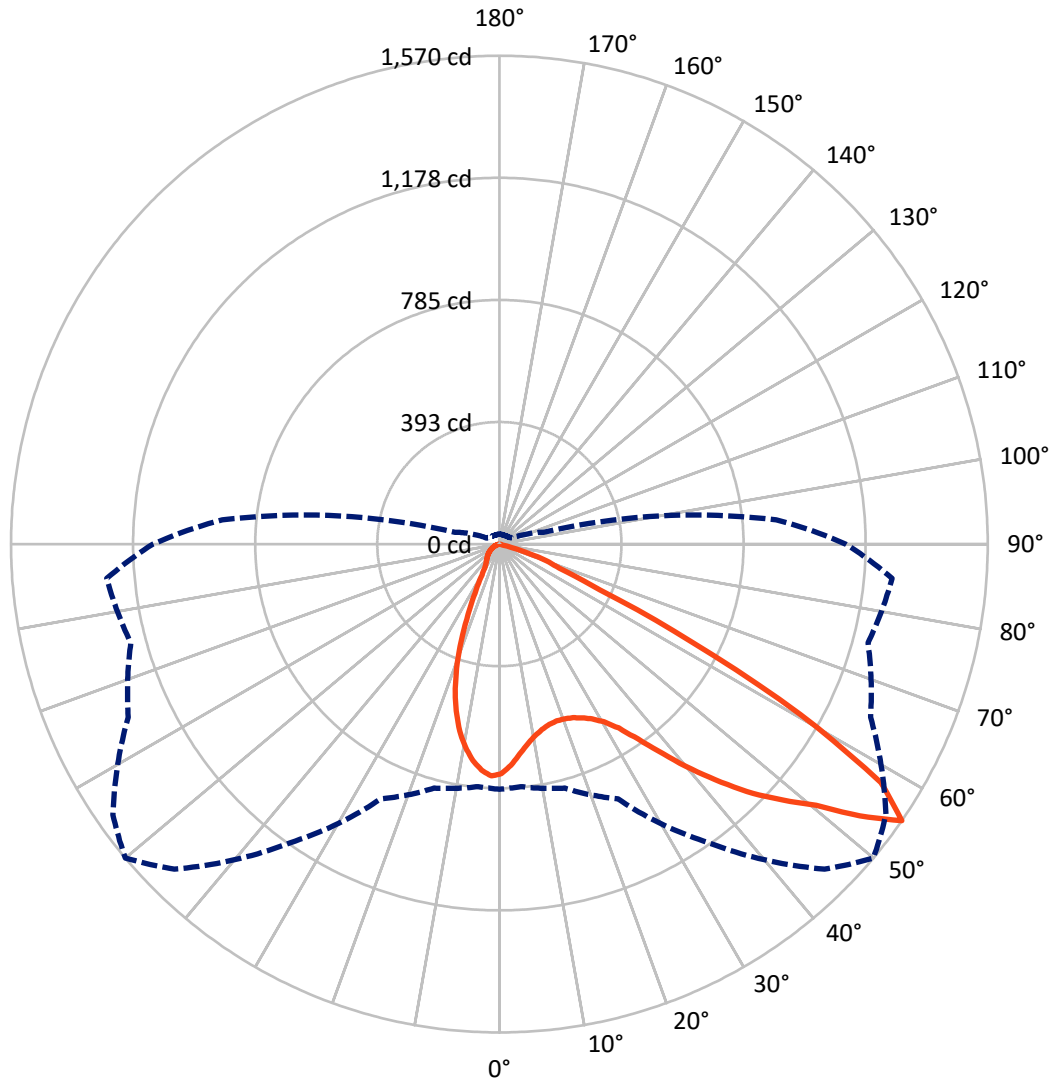
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.7	0.0	414.7
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	1689.8	0.0	1689.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	2104.5	0.0	2104.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	3.1
10°-20°	159.6	7.6
20°-30°	225.1	10.7
30°-40°	333.1	15.8
40°-50°	480.5	22.8
50°-60°	566.8	26.9
60°-70°	252.8	12.0
70°-80°	21.7	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°	2104.5	100.0
0°-180°	2104.5	100.0

Coefficient of Utilization



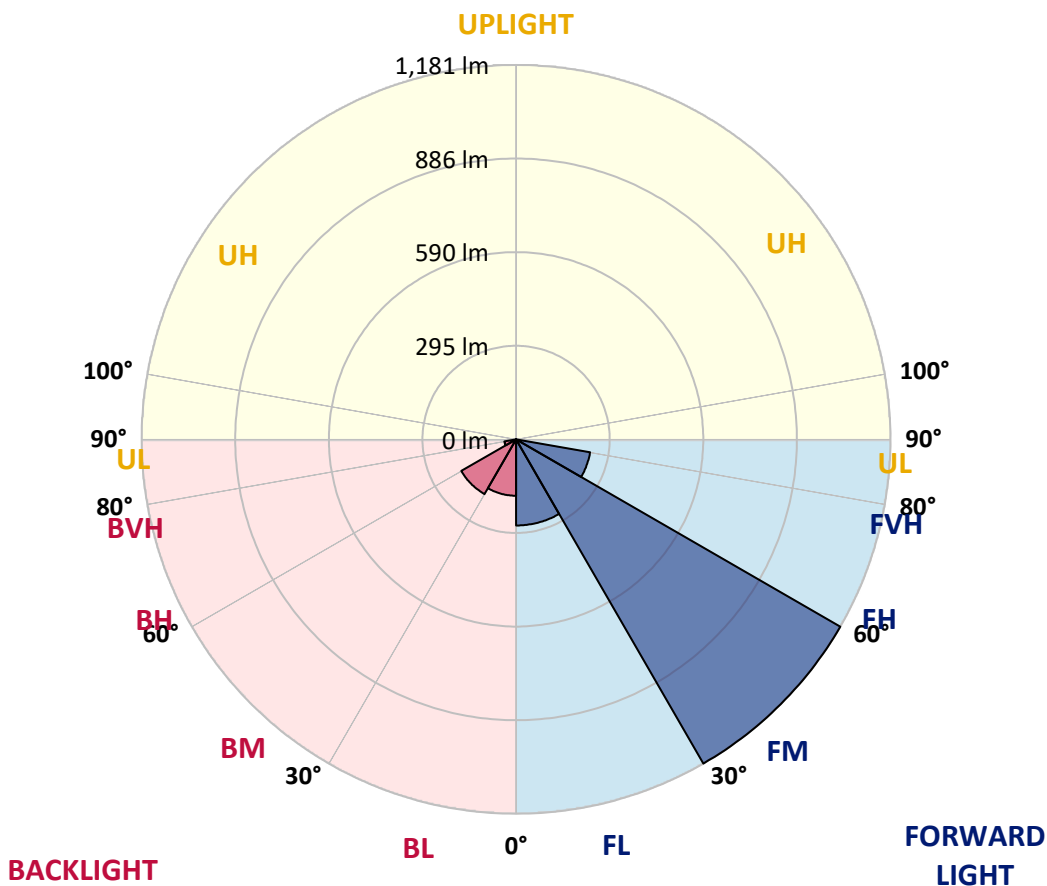
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.7	12.9			
FM (30°-60°)	1181.0	56.1			
FH (60°-80°)	237.1	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	177.8	8.4	B1/500		
BM (30°-60°)	199.4	9.5	B0/220		
BH (60°-80°)	37.4	1.8	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°	50°	55°	65°	75°	85°
0°	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4
2.5°	686.0	686.5	686.7	693.7	696.2	706.5	711.9	714.7	722.2	730.9	738.1
5°	640.0	639.2	640.5	649.2	654.9	670.0	678.3	683.9	700.4	720.9	738.1
7.5°	599.9	601.4	603.0	612.5	621.0	637.4	649.2	657.7	680.6	711.1	740.2
10°	571.6	571.6	573.9	584.7	594.8	615.1	626.9	637.7	664.9	702.4	742.5
12.5°	550.8	551.1	553.9	566.2	577.8	598.9	611.2	621.7	651.8	693.7	743.0
15°	541.1	540.3	542.6	555.7	568.6	588.3	601.2	611.5	642.5	688.8	745.6
17.5°	538.5	538.0	539.8	552.6	565.7	585.0	597.6	607.9	641.3	690.3	753.3
20°	545.9	544.9	544.1	555.2	567.5	586.5	599.6	611.2	647.4	698.8	765.1
22.5°	563.7	563.7	561.9	567.3	575.5	592.7	606.3	621.5	663.6	715.8	782.6
25°	596.3	593.7	590.4	592.7	591.7	602.5	618.7	639.7	694.2	743.8	803.9
27.5°	633.6	635.9	630.2	630.5	621.5	617.6	636.4	668.2	739.7	783.3	835.5
30°	684.2	682.4	682.6	681.9	661.0	642.8	663.1	705.5	797.0	843.7	876.6
32.5°	723.7	726.3	734.8	739.7	712.4	683.1	704.7	756.1	862.2	912.6	927.0
35°	765.6	770.2	787.4	803.4	780.5	746.9	770.0	823.2	923.6	980.6	984.8
37.5°	809.8	819.0	839.6	867.6	864.0	834.2	855.3	902.0	971.9	1021.8	1032.5
40°	860.4	869.4	903.1	943.4	951.9	945.2	952.1	979.4	1003.8	1023.6	1053.1
42.5°	915.9	928.2	970.9	1024.8	1056.7	1062.6	1046.4	1043.6	1017.6	1003.0	1048.7
45°	981.4	995.8	1044.1	1114.0	1164.6	1172.6	1144.6	1108.3	1026.4	987.8	1035.6
47.5°	1054.9	1068.5	1116.6	1200.6	1275.8	1278.9	1230.1	1171.8	1052.3	1005.3	1045.6
50°	1079.6	1088.0	1129.7	1228.3	1367.0	1390.7	1320.0	1243.2	1104.5	1056.7	1094.5
52.5°	994.8	998.1	1034.3	1134.0	1348.6	1500.4	1451.3	1349.8	1197.2	1135.1	1169.7
55°	788.2	782.8	812.1	903.6	1172.0	1478.0	1570.3	1517.3	1316.7	1227.0	1267.6
57.5°	551.3	544.9	538.2	600.2	874.5	1253.0	1446.9	1540.7	1430.5	1318.2	1373.2
60°	453.2	447.0	414.7	386.1	528.7	899.7	1111.4	1287.9	1421.3	1313.6	1369.9
62.5°	391.5	387.9	374.8	336.0	311.1	513.6	696.0	865.0	1090.6	1031.5	1034.6
65°	307.5	306.5	315.5	319.6	275.2	284.1	355.1	449.6	589.6	556.0	527.2
67.5°	210.2	207.8	224.8	276.4	264.6	224.3	207.8	209.6	255.1	155.9	123.8
70°	133.6	128.2	128.5	171.4	215.3	177.0	160.3	141.0	126.9	23.1	26.2
72.5°	85.6	82.2	70.7	77.3	99.7	86.3	87.1	75.0	50.1	12.3	14.4
75°	36.0	33.1	25.4	20.3	20.0	12.6	11.0	10.3	6.9	6.9	7.5
77.5°	0.3	0.0	0.0	0.3	0.5	0.3	0.3	0.5	1.0	1.5	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4
2.5°	742.5	736.3	743.3	745.8	745.6	745.8	738.4	733.2	733.0	726.6	723.5
5°	745.3	740.4	745.6	742.2	734.3	724.2	710.9	699.3	694.2	686.7	683.1
7.5°	750.7	745.6	744.8	731.4	711.7	690.6	667.0	645.9	634.6	621.0	621.7
10°	754.6	748.7	738.6	711.4	678.5	644.9	609.7	578.3	558.5	540.3	537.2
12.5°	756.1	747.4	724.0	682.9	636.6	592.7	541.1	496.4	465.5	441.6	438.3
15°	758.9	744.8	705.2	648.5	585.0	522.8	457.1	395.9	355.1	327.6	329.9
17.5°	763.3	742.0	684.2	609.9	529.5	441.6	352.7	282.6	245.1	229.2	229.4
20°	769.5	738.6	661.0	567.5	463.0	349.9	246.6	193.7	183.2	182.7	181.9
22.5°	777.7	735.3	636.4	521.0	384.1	245.1	164.2	147.7	152.1	160.6	162.1
25°	787.4	731.2	608.9	468.6	298.0	160.8	123.1	120.5	131.0	142.3	144.9
27.5°	802.6	729.1	577.5	409.0	209.1	115.4	100.7	102.3	111.8	121.3	123.6
30°	828.3	733.0	543.4	342.2	134.4	92.0	87.4	89.7	94.8	99.7	101.7
32.5°	863.2	744.3	510.2	269.2	95.8	79.9	78.9	80.2	82.2	85.0	85.8
35°	904.1	763.8	476.1	192.7	79.1	73.0	71.9	71.9	73.0	73.5	73.7
37.5°	937.7	784.4	444.0	128.2	70.9	67.6	66.0	65.3	65.0	65.5	65.8
40°	952.4	792.8	409.0	93.3	65.0	62.7	60.4	58.1	58.1	59.9	60.1
42.5°	942.1	783.3	368.7	77.1	60.9	57.5	54.0	51.9	52.9	54.7	55.2
45°	920.3	760.0	324.2	68.1	56.8	52.4	48.3	47.0	48.0	50.4	50.9
47.5°	916.7	744.5	271.0	62.2	52.4	48.0	43.7	42.4	43.7	45.5	46.0
50°	952.4	757.9	212.0	57.0	48.3	43.4	39.8	38.5	39.3	40.3	40.8
52.5°	1017.6	807.5	171.1	52.2	43.4	38.8	36.5	34.9	34.9	36.0	36.2
55°	1114.0	894.1	147.7	46.5	37.8	35.2	33.1	31.6	31.6	32.1	32.4
57.5°	1225.0	998.9	153.1	39.1	33.1	31.9	30.1	28.8	29.3	29.3	29.3
60°	1209.6	991.2	163.9	32.9	29.3	28.8	27.2	26.7	28.0	27.0	26.5
62.5°	891.0	684.7	85.8	27.0	25.2	24.7	23.6	24.7	26.5	23.6	22.6
65°	432.6	331.4	34.4	22.1	21.3	20.8	20.3	21.8	22.9	18.5	17.5
67.5°	101.7	82.7	22.4	18.8	17.7	16.7	17.2	17.5	16.7	12.6	12.1
70°	26.5	25.9	17.5	15.7	14.1	13.1	13.1	12.8	11.0	8.0	7.5
72.5°	14.4	14.1	12.6	11.8	9.8	8.7	9.0	8.0	6.2	4.6	4.4
75°	7.2	7.7	7.2	6.7	5.4	4.9	4.9	4.4	3.1	1.8	1.8
77.5°	1.5	1.8	1.8	1.5	1.3	1.0	1.0	1.3	0.5	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	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)