

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: P629470

Luminaire Tested: GWS-SA1B-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2147.8 lumens
Efficiency: N/A
Efficacy: 85.9 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

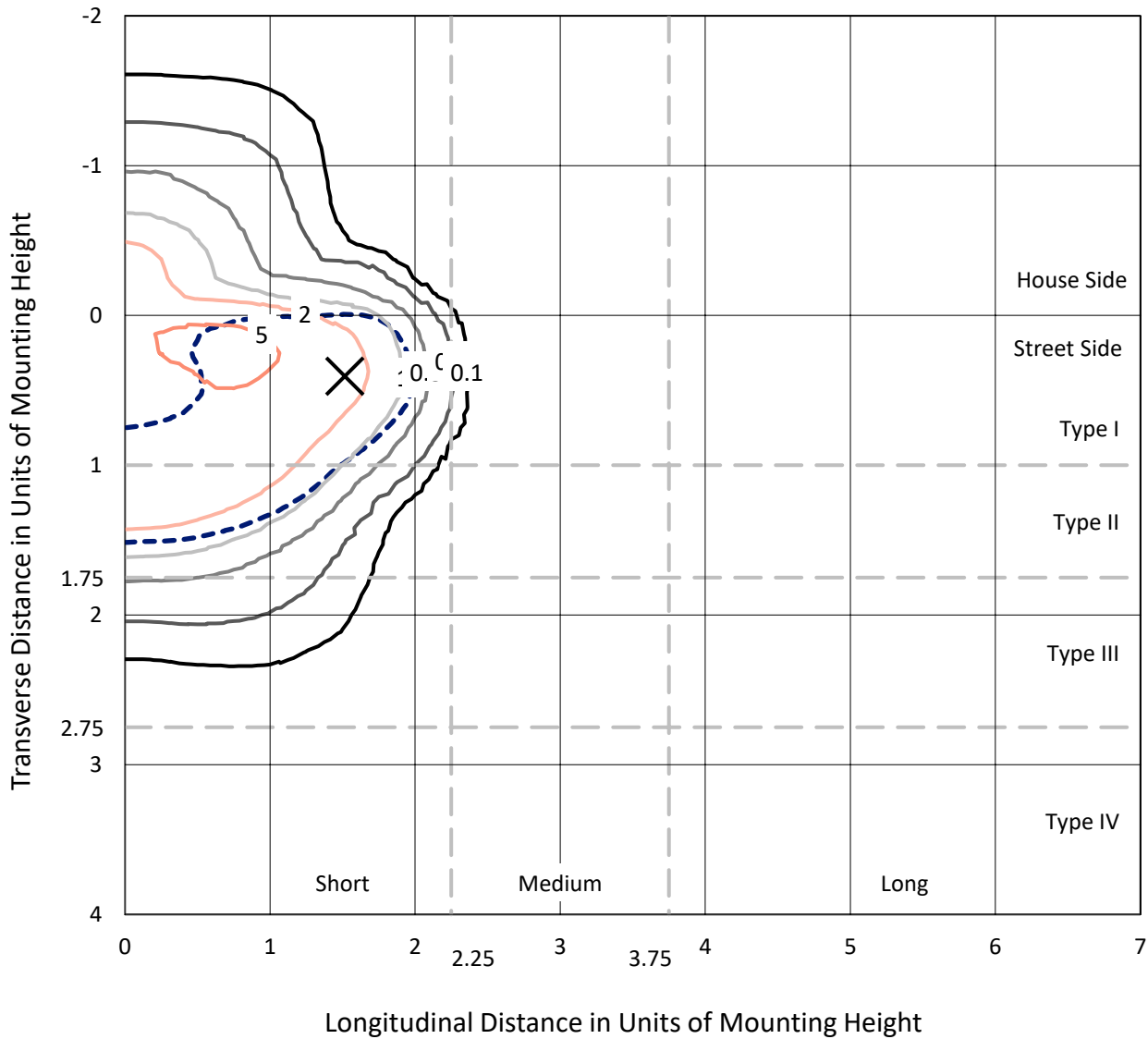
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

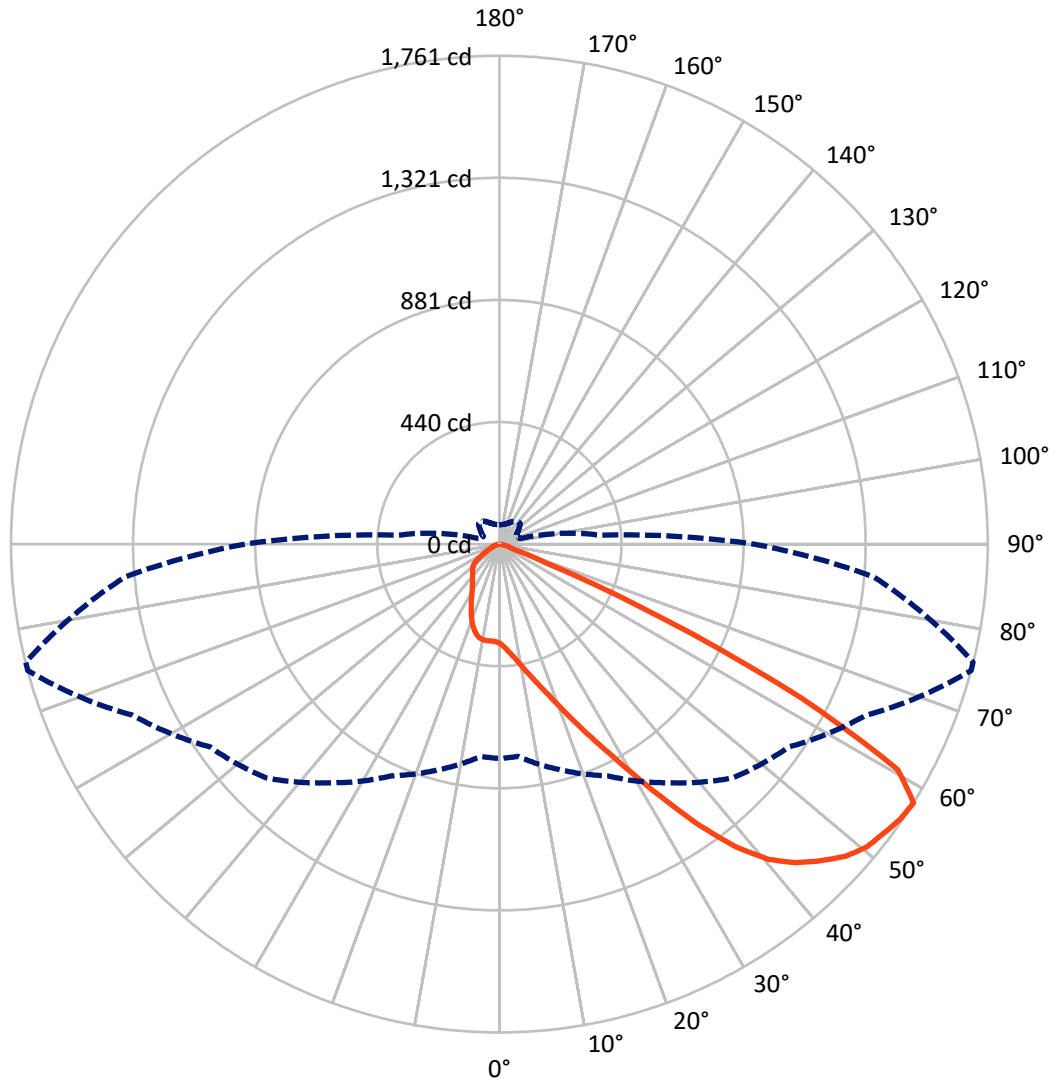
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	350.8	0.0	350.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1797.0	0.0	1797.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	2147.8	0.0	2147.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	1.7
10°-20°	118.4	5.5
20°-30°	216.8	10.1
30°-40°	359.8	16.8
40°-50°	549.4	25.6
50°-60°	617.4	28.7
60°-70°	227.7	10.6
70°-80°	21.8	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°	2147.8	100.0
0°-180°	2147.8	100.0

Coefficient of Utilization



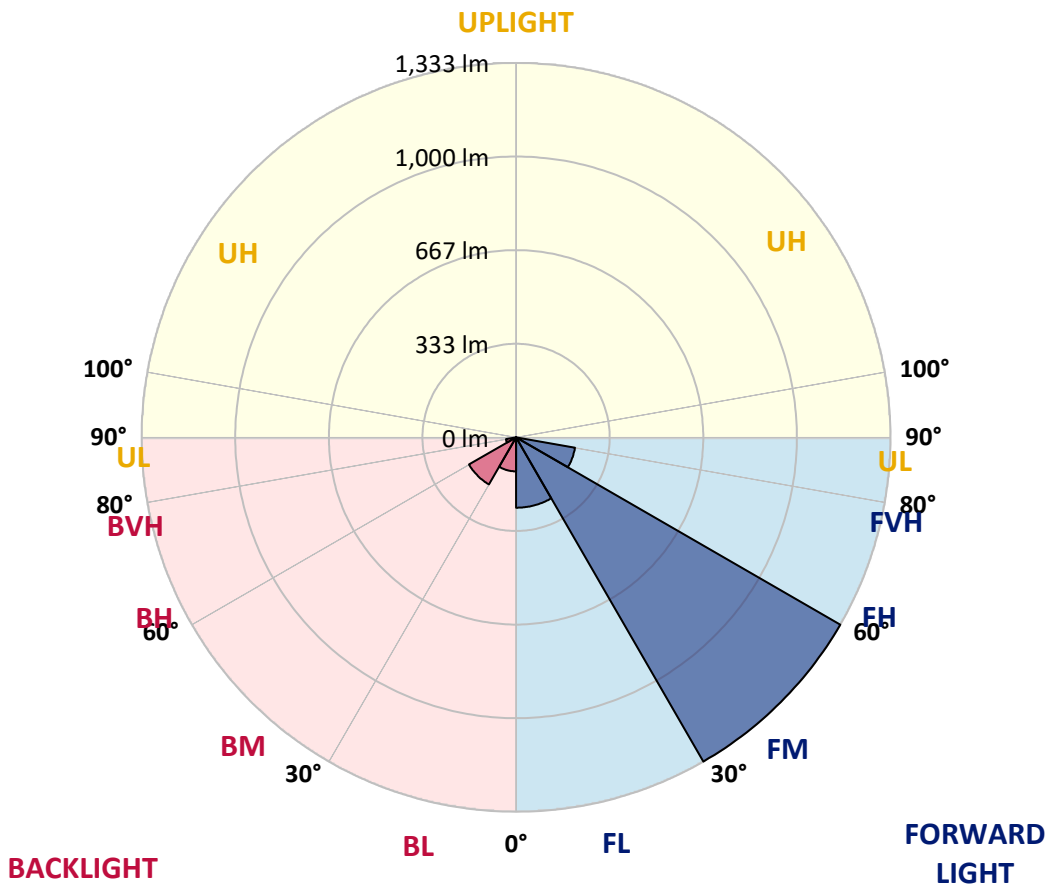
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.6	11.7			
FM (30°-60°)	1333.3	62.1			
FH (60°-80°)	213.1	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	121.1	5.6	B1/500		
BM (30°-60°)	193.3	9.0	B0/220		
BH (60°-80°)	36.4	1.7	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°	55°	65°	75°	76°	85°
0°	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2
2.5°	400.2	404.4	403.1	400.5	398.9	393.5	390.1	380.3	373.3	372.5	366.0
5°	450.8	450.0	448.9	445.8	443.2	434.7	424.6	408.0	393.2	391.4	377.7
7.5°	478.5	479.0	479.5	479.0	477.2	470.7	459.6	440.1	417.6	416.0	394.3
10°	489.9	490.9	493.5	498.5	502.9	502.3	495.9	475.9	448.2	445.6	416.3
12.5°	495.3	496.6	500.8	510.1	522.0	531.4	532.4	514.5	483.9	479.8	442.5
15°	502.9	504.2	509.3	521.5	538.9	557.3	569.2	557.8	523.6	519.2	471.2
17.5°	506.2	508.0	515.6	531.6	554.2	582.4	609.4	608.4	570.5	567.1	504.7
20°	512.7	514.0	520.7	538.1	565.3	606.0	651.4	667.7	627.8	622.9	545.1
22.5°	533.2	533.7	536.8	547.7	573.1	623.1	694.2	736.9	695.5	689.0	590.5
25°	566.6	566.4	567.7	569.5	588.1	640.5	735.4	814.9	773.0	766.0	641.8
27.5°	609.1	609.1	612.2	607.1	614.6	662.0	776.1	904.6	863.2	853.3	698.0
30°	659.2	658.9	666.2	657.9	660.2	696.0	819.9	1002.4	972.0	959.8	762.8
32.5°	727.1	725.5	733.8	722.4	714.6	747.3	873.3	1104.5	1102.4	1083.7	844.2
35°	812.9	810.3	812.9	801.7	787.7	819.1	943.3	1206.3	1247.0	1227.3	941.2
37.5°	898.1	906.4	909.3	890.1	878.7	910.1	1027.5	1297.6	1385.2	1364.7	1042.0
40°	998.7	996.1	1006.0	984.5	977.2	1011.9	1109.9	1365.5	1494.6	1475.1	1131.7
42.5°	1072.9	1077.5	1089.7	1077.8	1072.1	1104.7	1179.1	1405.2	1570.5	1551.3	1195.7
45°	1161.8	1165.1	1169.8	1159.9	1154.0	1186.1	1229.2	1422.5	1628.3	1607.6	1238.7
47.5°	1257.9	1260.5	1260.5	1240.3	1221.1	1234.3	1262.6	1432.4	1681.5	1661.5	1270.6
50°	1326.9	1328.2	1339.6	1325.3	1283.6	1263.1	1277.9	1442.0	1716.7	1698.1	1281.0
52.5°	1265.7	1264.1	1301.7	1331.3	1342.4	1301.7	1304.3	1456.0	1733.8	1717.8	1289.3
55°	1065.9	1063.3	1116.1	1187.9	1286.2	1338.3	1336.2	1464.3	1752.8	1742.9	1319.4
57.5°	772.7	768.3	841.9	921.7	1050.6	1191.8	1274.8	1459.6	1761.0	1760.3	1354.4
60°	464.5	460.9	530.3	614.3	713.9	855.9	993.5	1307.4	1650.1	1651.7	1263.4
62.5°	285.9	289.3	352.0	394.8	431.8	474.6	554.2	879.5	1222.4	1232.5	887.8
65°	192.3	194.9	253.0	306.9	306.9	250.9	215.4	420.4	652.2	635.1	419.9
67.5°	129.1	131.9	177.8	240.8	249.9	175.0	87.4	125.5	181.7	176.3	103.9
70°	75.9	79.1	118.5	165.1	182.0	121.8	58.3	53.1	51.6	50.0	40.4
72.5°	34.0	35.3	60.4	84.0	76.7	51.3	41.2	42.5	40.2	39.4	32.9
75°	10.4	10.9	15.6	18.1	18.4	18.4	24.9	33.4	31.6	31.9	25.4
77.5°	2.6	2.6	4.1	3.9	2.1	1.8	4.7	7.5	7.8	7.0	5.2
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	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°	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2
2.5°	363.1	356.4	352.0	345.8	341.4	336.7	332.6	329.2	327.4	326.9	327.1
5°	371.4	360.8	350.4	338.5	330.2	322.5	316.2	311.3	309.0	308.2	308.2
7.5°	384.1	369.4	351.0	332.3	318.3	306.1	298.9	293.4	291.3	290.8	289.3
10°	400.7	380.5	350.2	321.2	301.5	288.8	283.6	282.0	282.8	283.1	282.8
12.5°	420.7	392.2	345.3	304.8	283.6	275.8	276.3	280.5	285.1	287.5	288.0
15°	441.9	402.8	334.1	285.4	268.3	268.0	275.5	285.1	294.2	298.1	299.1
17.5°	465.8	411.4	317.0	264.6	255.1	262.6	276.1	290.8	303.0	309.5	310.8
20°	492.0	418.4	295.2	245.2	243.4	256.9	275.5	293.7	308.7	316.0	317.3
22.5°	519.2	423.3	270.1	227.3	232.8	250.4	270.6	288.2	302.5	310.8	311.8
25°	550.3	423.8	244.4	212.3	222.9	241.6	258.7	273.2	285.1	292.4	293.2
27.5°	577.5	417.6	221.6	200.1	213.8	230.7	242.1	250.1	258.4	262.6	262.8
30°	608.9	406.7	200.1	190.3	204.5	217.2	222.9	224.7	225.5	226.3	225.3
32.5°	646.2	393.5	184.0	180.7	193.9	202.4	204.0	200.4	196.0	189.7	188.2
35°	692.1	381.6	170.8	171.3	182.2	187.4	186.1	178.3	169.8	162.3	161.0
37.5°	741.8	371.4	160.7	162.3	169.5	173.1	169.3	160.7	156.8	150.3	150.6
40°	785.9	363.1	151.6	153.2	156.6	159.9	153.7	148.0	155.3	154.7	155.3
42.5°	817.3	356.1	143.9	143.1	145.4	147.7	143.1	140.2	152.4	149.0	150.9
45°	835.7	349.7	137.4	132.7	136.3	140.5	137.4	133.8	137.9	122.3	121.0
47.5°	848.1	346.0	131.7	122.6	129.1	136.3	129.9	121.0	115.1	101.6	100.6
50°	849.4	344.2	124.9	112.2	120.5	128.3	120.8	108.6	100.1	94.1	93.3
52.5°	856.2	347.9	115.6	99.0	108.1	120.5	115.3	103.2	91.5	86.3	85.3
55°	886.2	363.1	100.1	80.9	94.1	114.6	110.9	92.0	80.9	77.8	77.0
57.5°	917.3	366.3	78.8	64.0	81.9	106.0	101.3	84.8	73.9	70.2	69.5
60°	838.8	301.7	59.1	52.9	72.3	98.0	93.8	80.4	67.7	63.2	62.5
62.5°	551.1	163.0	46.9	44.8	60.9	82.9	85.5	72.6	60.4	55.7	55.5
65°	254.0	75.7	36.0	35.5	47.7	66.1	73.6	63.5	51.1	46.9	46.9
67.5°	69.2	37.6	28.3	26.2	32.4	44.3	53.7	47.4	36.3	31.4	31.1
70°	34.5	30.3	25.4	22.6	23.3	27.5	31.6	26.4	18.4	15.0	14.8
72.5°	28.3	24.9	21.5	19.2	17.6	16.8	16.3	13.2	8.6	6.5	6.2
75°	21.0	17.9	15.3	12.4	10.6	9.8	8.8	6.5	3.6	2.1	1.8
77.5°	4.7	4.4	4.1	3.1	2.9	2.3	1.8	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)