

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: P629448

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 2343.6 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

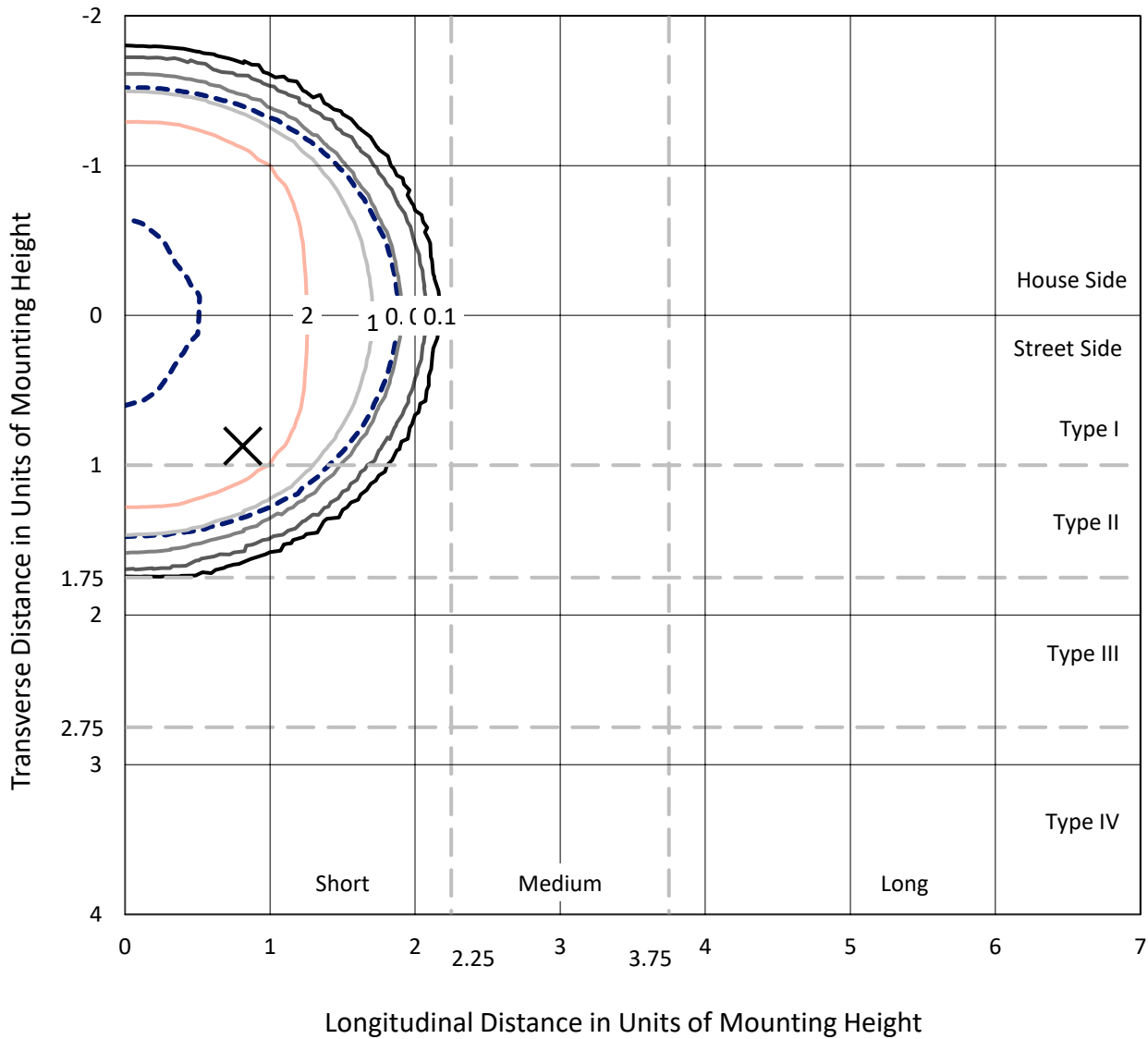
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

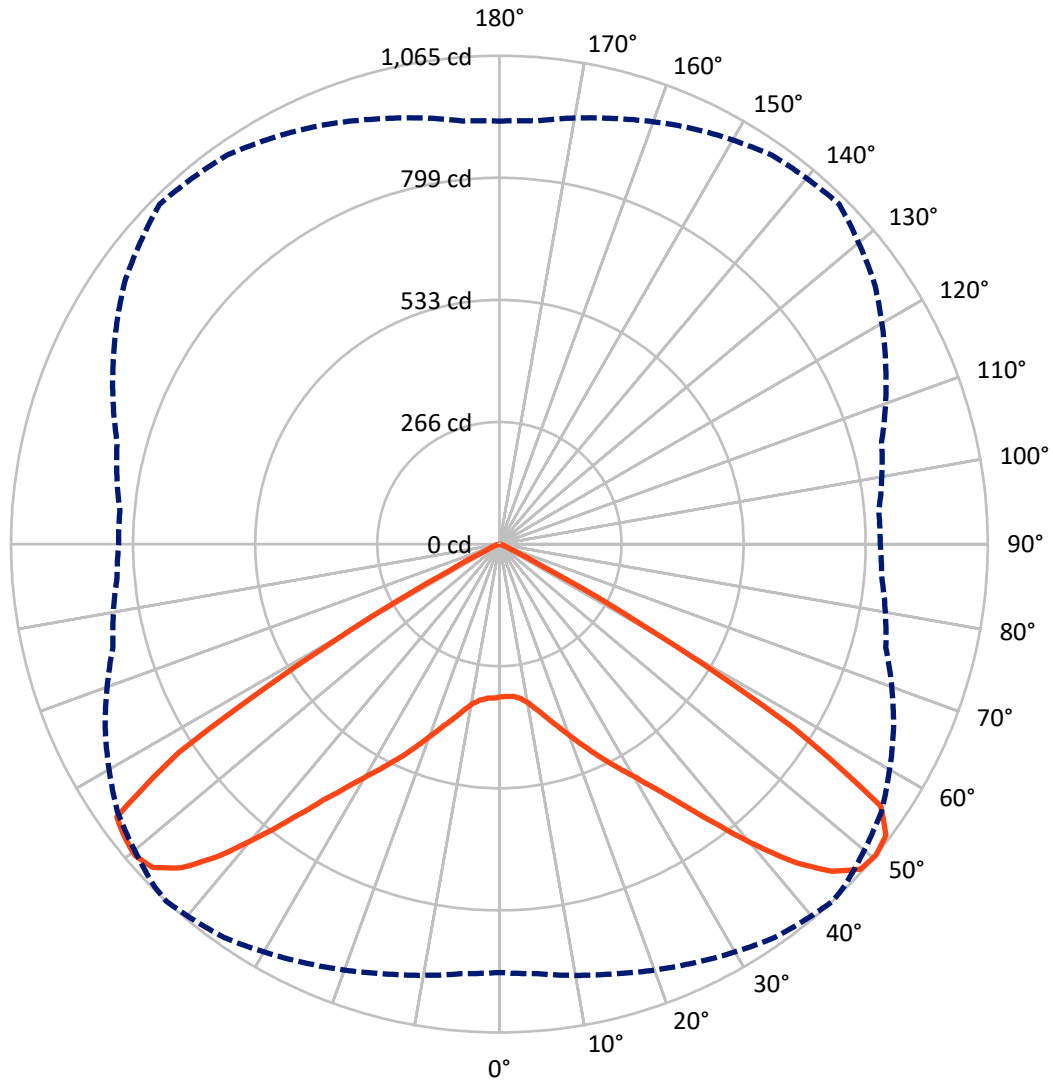
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1171.8	0.0	1171.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1171.8	0.0	1171.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2343.6	0.0	2343.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	1.4
10°-20°	113.0	4.8
20°-30°	228.5	9.8
30°-40°	424.0	18.1
40°-50°	703.9	30.0
50°-60°	718.3	30.7
60°-70°	117.8	5.0
70°-80°	5.2	0.2
80°-90°	0.1	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°	2343.6	100.0
0°-180°	2343.6	100.0

Coefficient of Utilization



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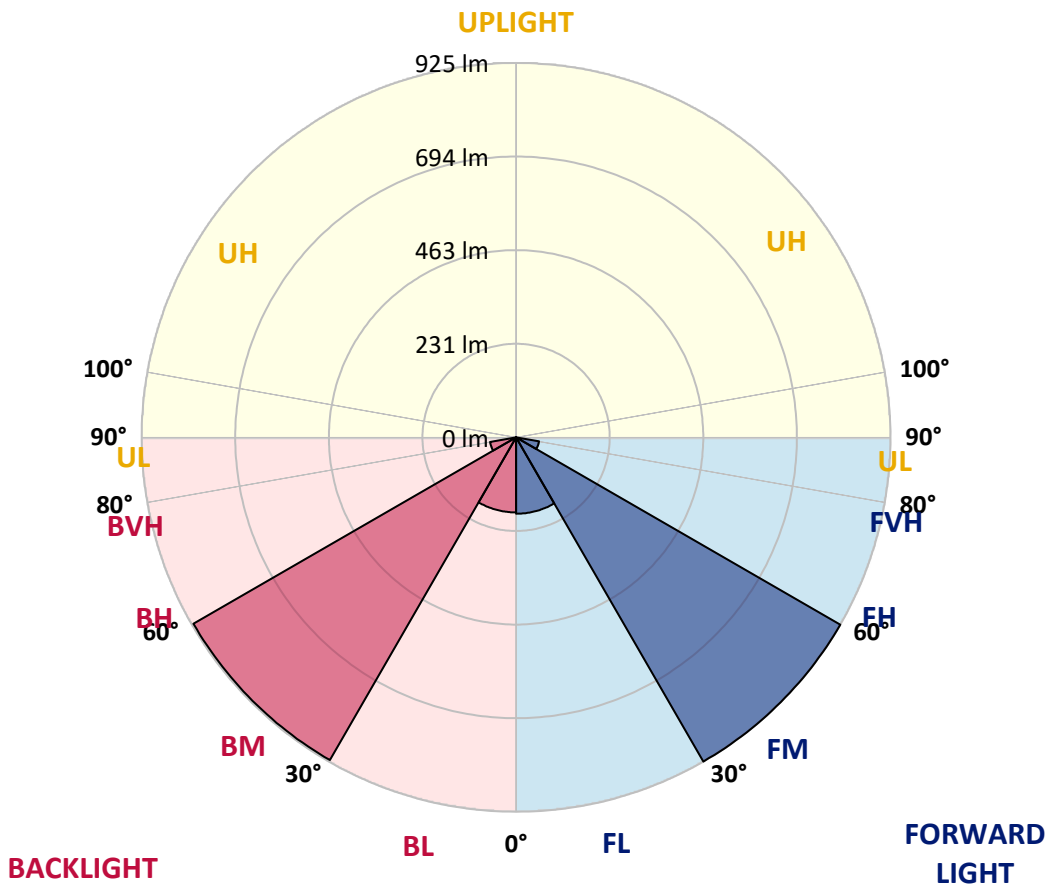
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.8	8.1			
FM (30°-60°)	925.4	39.5			
FH (60°-80°)	57.6	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	185.5	7.9	B1/500		
BM (30°-60°)	920.9	39.3	B1/1000		
BH (60°-80°)	65.3	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3
2.5°	327.1	327.9	328.9	330.0	331.3	332.6	333.3	335.7	335.2	337.2	337.2
5°	323.5	324.3	325.6	327.9	330.7	333.6	335.7	340.3	342.9	347.1	348.6
7.5°	325.3	326.3	327.9	331.5	335.9	340.3	342.7	350.2	355.4	363.1	367.6
10°	331.3	332.3	334.9	341.1	346.8	353.0	355.9	365.5	373.8	384.4	390.6
12.5°	338.0	339.3	344.5	353.8	363.7	372.0	375.8	386.5	395.0	407.0	416.8
15°	345.0	347.1	355.1	368.9	382.8	394.0	398.1	409.5	418.1	430.8	441.9
17.5°	361.3	363.7	372.7	387.5	406.7	419.7	423.3	435.2	441.7	450.2	461.9
20°	381.8	386.2	397.4	415.2	436.2	448.7	451.3	462.9	462.4	466.1	476.2
22.5°	407.2	410.3	422.5	443.8	467.3	481.1	487.0	492.0	485.5	482.4	488.9
25°	433.7	437.3	450.5	473.8	500.3	516.1	521.0	524.9	514.5	502.9	503.6
27.5°	467.9	470.5	483.4	508.3	534.7	552.6	557.0	563.8	550.0	531.4	526.2
30°	508.6	511.2	524.9	551.1	577.3	592.5	599.3	607.6	592.5	569.2	563.3
32.5°	556.3	558.9	576.5	603.4	624.9	641.5	648.0	656.8	644.9	618.7	612.0
35°	613.3	614.8	635.6	664.9	687.7	703.7	708.2	718.5	705.3	679.1	675.5
37.5°	679.4	681.2	703.7	737.7	761.0	778.9	785.9	788.8	772.7	743.4	740.6
40°	752.0	757.9	780.0	816.5	842.7	865.2	871.5	861.9	839.3	799.4	794.2
42.5°	827.6	832.8	857.5	897.1	927.4	950.5	950.8	930.0	891.7	836.5	828.7
45°	890.6	892.7	924.6	964.5	1001.8	1018.2	1019.7	982.1	924.3	858.0	841.4
47.5°	933.9	937.3	965.0	1003.4	1044.6	1059.4	1056.3	1009.4	939.9	872.0	844.5
50°	934.4	940.1	970.2	1007.3	1047.2	1065.1	1060.7	1017.1	948.7	872.5	837.0
52.5°	851.8	861.1	910.1	963.7	1024.9	1055.5	1056.5	1027.2	945.3	864.2	830.2
55°	642.6	652.7	714.4	805.9	924.1	1009.4	1024.1	1015.3	941.4	867.8	842.2
57.5°	340.1	332.3	366.5	457.2	605.8	756.6	799.9	870.4	898.2	872.2	864.2
60°	74.1	79.1	105.2	141.8	236.4	355.9	398.1	518.9	662.5	726.3	772.4
62.5°	31.9	31.4	32.7	37.1	54.2	90.2	110.2	179.9	283.8	389.8	461.6
65°	26.2	26.4	27.5	27.5	25.7	25.9	27.2	41.2	66.4	93.1	124.9
67.5°	19.7	20.0	21.8	22.3	21.0	18.7	18.4	15.6	16.3	20.5	21.3
70°	12.4	12.4	13.5	14.0	14.0	13.0	12.7	11.1	10.9	12.4	14.0
72.5°	6.7	6.7	7.3	7.5	7.3	7.0	7.0	6.7	6.5	7.5	9.6
75°	2.9	2.9	3.1	3.1	2.9	2.9	2.9	2.9	2.9	3.4	5.2
77.5°	0.5	0.8	1.0	0.8	0.5	0.5	0.5	0.8	0.8	1.0	1.6
80°	0.3	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3
2.5°	339.0	336.2	337.2	337.7	337.0	336.5	333.6	332.8	331.5	329.5	328.9
5°	350.4	348.1	347.9	346.3	342.7	338.3	332.8	330.5	327.9	325.3	324.8
7.5°	369.6	366.8	365.0	359.8	351.5	344.5	335.4	330.5	327.1	323.7	323.0
10°	394.3	390.9	385.7	376.1	365.0	354.9	344.2	337.7	332.6	327.9	327.6
12.5°	420.4	416.8	407.5	395.3	381.8	372.5	359.0	349.9	342.2	335.2	334.4
15°	447.9	443.5	430.8	416.3	403.8	394.3	379.5	365.0	353.0	342.9	341.9
17.5°	468.9	463.5	448.4	437.5	427.4	417.6	401.0	381.8	366.0	353.8	351.0
20°	482.1	476.9	462.7	456.7	452.1	445.1	425.4	405.4	387.8	372.7	370.1
22.5°	494.8	488.6	476.2	476.2	479.8	476.9	455.7	432.9	412.1	394.8	390.9
25°	509.1	504.2	495.3	502.6	511.7	511.4	489.6	461.1	437.3	417.8	414.0
27.5°	529.8	524.9	521.8	535.5	546.9	546.1	522.3	491.5	466.3	447.1	443.5
30°	566.4	561.7	558.3	574.9	589.4	584.0	557.8	528.0	502.6	480.8	478.2
32.5°	615.1	610.2	605.8	622.4	635.3	628.3	603.4	575.4	546.1	524.9	519.7
35°	679.1	668.8	664.3	684.0	689.5	681.7	657.9	633.2	602.1	577.8	574.4
37.5°	745.2	733.0	729.9	747.0	755.8	753.0	725.0	699.3	665.6	638.7	634.8
40°	801.7	790.6	785.1	811.8	831.8	833.6	808.5	777.1	737.4	709.4	702.5
42.5°	834.9	825.3	824.0	865.5	898.2	921.5	891.4	859.0	817.3	785.7	780.0
45°	842.4	836.2	847.1	901.5	952.3	994.8	969.2	935.0	889.9	856.4	851.0
47.5°	841.6	839.6	859.0	920.2	984.5	1036.8	1024.1	985.5	942.0	907.0	901.8
50°	830.5	830.8	863.2	929.5	997.4	1048.2	1035.5	999.8	960.9	926.4	922.3
52.5°	826.1	824.5	855.4	926.7	1010.6	1043.0	1014.5	974.4	931.1	888.6	882.3
55°	841.6	837.8	856.4	924.3	1012.2	1040.2	965.0	877.9	789.3	739.0	734.9
57.5°	865.0	860.8	869.6	907.2	931.1	865.0	710.2	569.7	478.5	439.9	423.0
60°	772.4	769.6	762.8	717.5	615.4	464.2	316.2	201.7	144.9	117.2	117.2
62.5°	479.3	475.4	438.8	326.1	236.9	137.1	75.4	47.2	35.8	33.4	33.2
65°	134.5	133.8	110.7	78.3	49.8	30.8	27.2	27.7	27.2	26.4	26.2
67.5°	20.2	22.3	22.3	18.1	17.4	19.4	22.8	24.4	23.1	21.8	21.3
70°	13.0	14.0	13.5	11.7	12.4	14.5	16.3	16.6	15.8	14.5	14.3
72.5°	9.1	10.1	8.3	7.5	7.8	8.6	9.3	9.3	9.1	8.6	8.0
75°	5.4	5.4	3.9	3.6	3.6	3.9	3.9	4.4	4.4	4.1	3.9
77.5°	1.8	2.1	1.3	1.0	1.0	1.0	1.3	1.6	1.6	1.3	1.0
80°	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)