

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: P628960

Luminaire Tested: GWS-SA1A-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628960
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-SA1A-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1678.1 lumens
Efficiency: N/A
Efficacy: 85.2 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

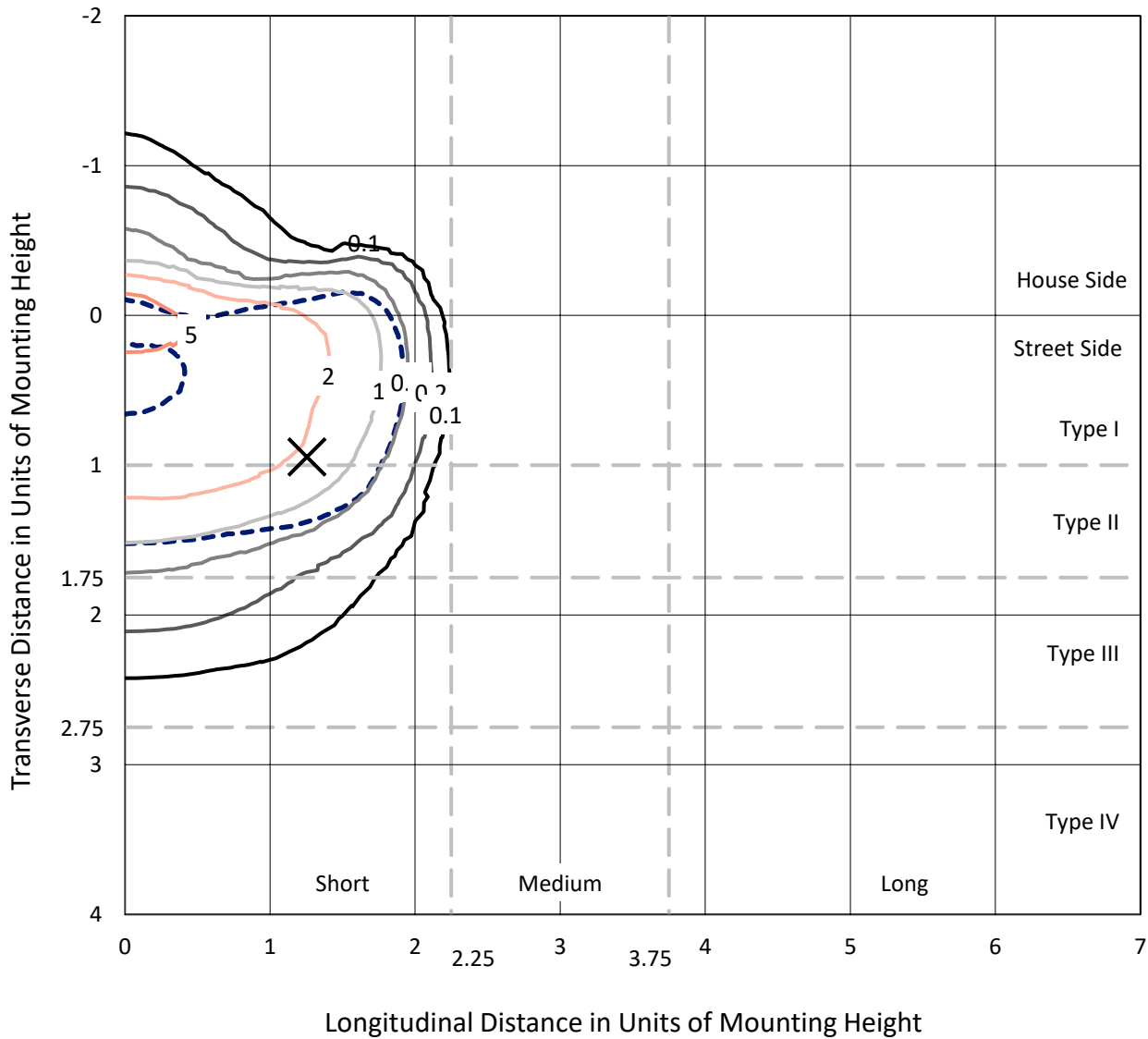
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

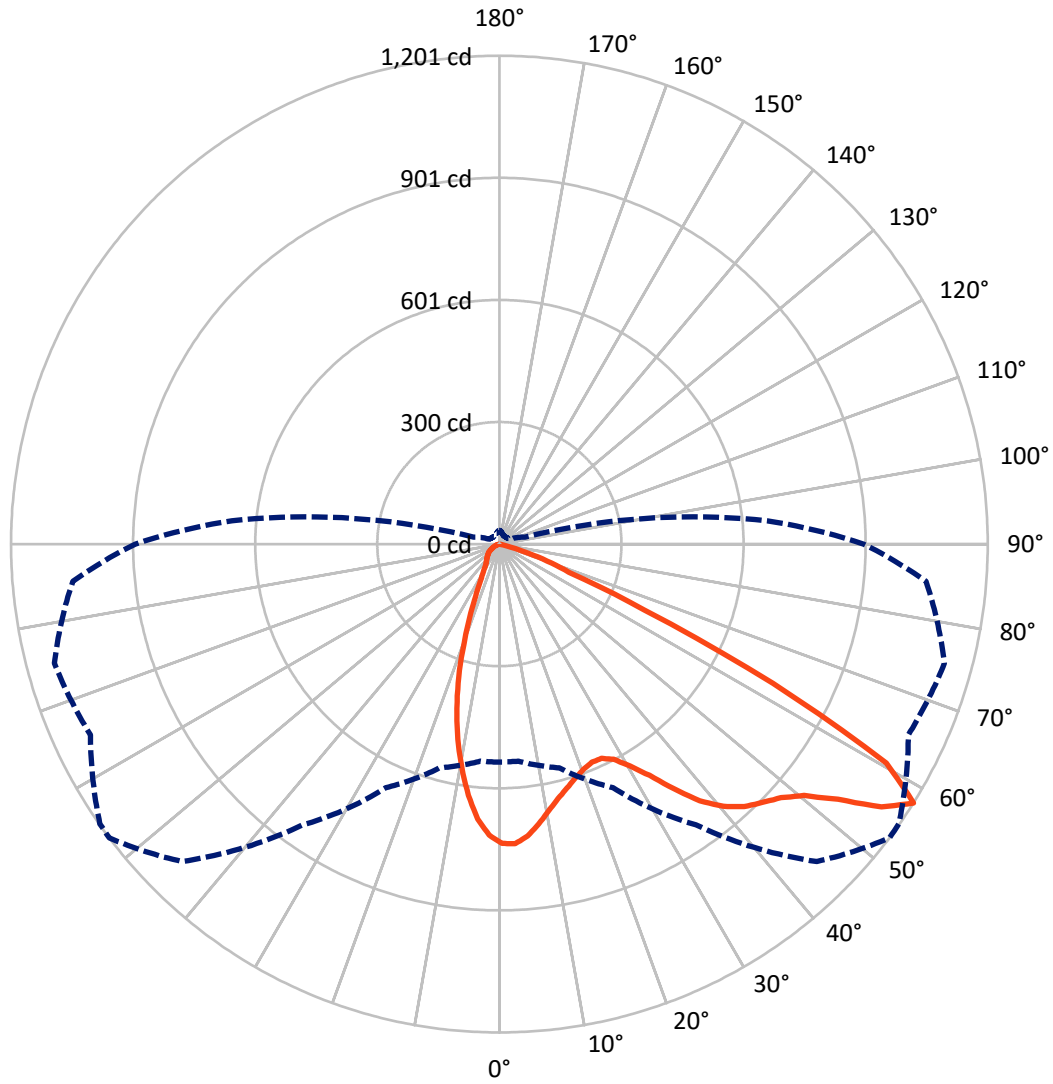
✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	277.2	0.0	277.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1400.9	0.0	1400.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	1678.1	0.0	1678.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	3.8
10°-20°	138.3	8.2
20°-30°	180.1	10.7
30°-40°	261.3	15.6
40°-50°	377.0	22.5
50°-60°	455.9	27.2
60°-70°	185.8	11.1
70°-80°	16.7	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°	1678.1	100.0
0°-180°	1678.1	100.0

Coefficient of Utilization



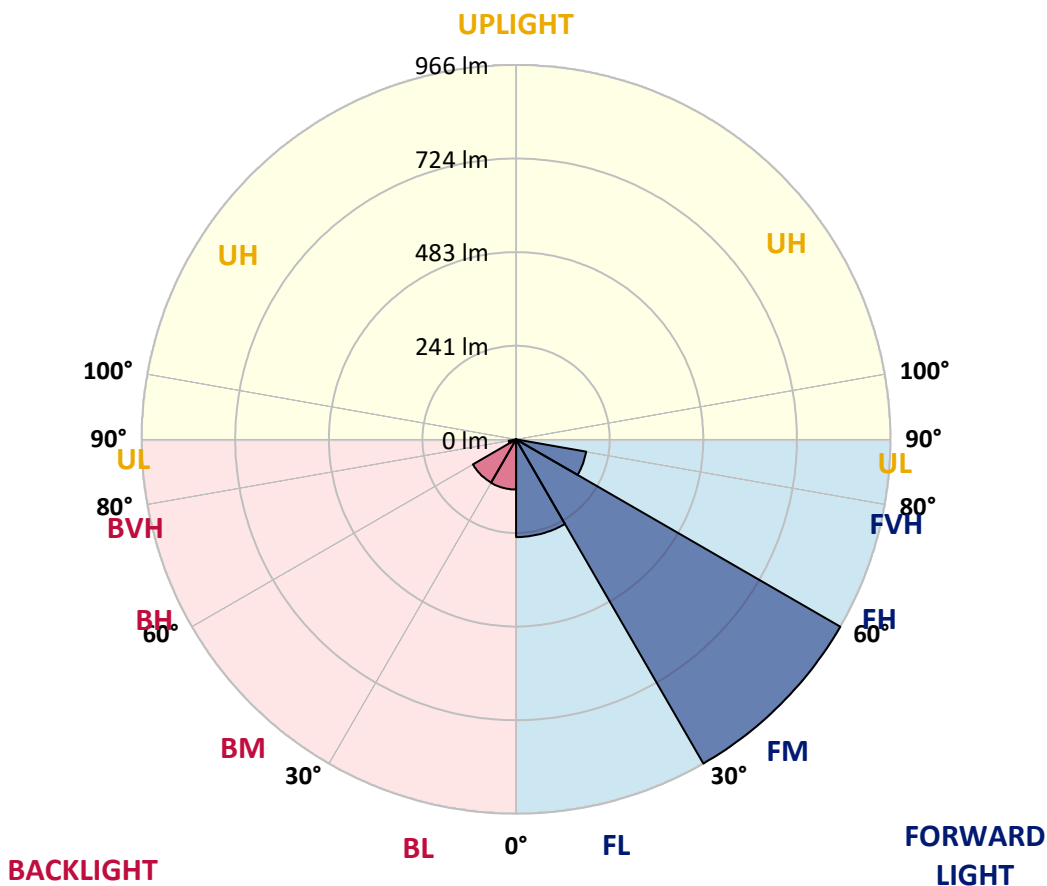
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.0	15.0			
FM (30°-60°)	965.6	57.5			
FH (60°-80°)	183.4	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	129.4	7.7	B1/500		
BM (30°-60°)	128.7	7.7	B0/220		
BH (60°-80°)	19.2	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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	725.8	727.5	730.4	734.1	736.5	737.8	737.8	741.3	739.0	737.1	735.1
5°	694.8	696.4	700.3	706.3	712.3	716.6	721.5	725.2	726.6	726.6	723.2
7.5°	651.0	653.2	655.7	663.9	676.9	686.5	695.0	700.3	708.1	710.6	705.7
10°	603.9	606.1	611.7	623.0	637.8	652.2	666.6	673.4	686.7	693.7	688.2
12.5°	564.0	565.0	572.4	586.0	604.9	624.6	642.1	649.1	668.0	678.5	671.9
15°	531.1	531.7	539.1	554.1	575.9	600.2	622.2	629.4	652.6	668.4	658.6
17.5°	506.2	506.4	512.7	529.0	551.8	578.8	604.9	613.7	643.8	662.9	648.1
20°	493.6	493.0	497.5	511.7	533.3	560.3	591.1	602.0	638.8	662.1	640.1
22.5°	493.8	492.4	494.2	504.3	522.6	547.9	582.5	594.8	639.2	665.6	633.3
25°	505.5	503.5	503.9	509.3	522.2	545.2	583.7	596.9	647.5	677.3	630.8
27.5°	525.3	523.0	523.0	525.7	532.7	553.7	599.1	614.1	669.5	700.1	635.9
30°	550.8	548.5	547.7	550.4	556.1	575.5	633.5	649.1	707.1	737.6	652.4
32.5°	580.0	577.3	578.8	582.5	588.0	614.8	677.7	698.5	754.2	787.9	682.0
35°	610.9	608.6	615.2	623.2	631.8	669.3	738.8	756.9	812.0	850.7	727.3
37.5°	640.3	639.2	653.0	669.9	687.8	734.7	800.9	814.9	861.6	919.0	782.6
40°	669.7	669.5	693.1	722.7	751.3	799.9	848.0	859.5	891.8	972.0	835.7
42.5°	702.6	702.6	735.3	774.8	812.8	855.0	882.6	887.7	905.4	1002.7	875.6
45°	734.1	735.9	773.7	819.6	864.7	898.0	906.4	906.8	910.9	1020.8	908.7
47.5°	758.9	760.6	805.8	858.7	907.2	930.7	931.9	930.1	925.5	1038.0	934.2
50°	779.1	781.6	828.9	884.8	936.4	962.1	971.6	969.8	958.2	1056.6	952.1
52.5°	789.0	792.5	836.9	897.8	968.9	1016.0	1042.4	1046.7	1007.2	1066.8	969.1
55°	710.0	715.1	756.1	839.4	987.0	1099.3	1140.7	1139.9	1060.3	1097.5	1010.7
57.5°	536.2	535.8	569.7	660.8	843.1	1104.1	1201.1	1199.5	1109.8	1133.1	1053.3
60°	365.1	362.6	371.7	415.7	589.5	899.4	1093.2	1115.4	1074.7	1046.7	894.3
62.5°	300.5	298.2	295.3	283.2	338.5	560.3	755.2	789.0	783.6	727.5	560.9
65°	246.0	247.8	255.9	250.7	235.5	287.3	392.0	412.0	376.6	316.9	196.0
67.5°	181.4	182.2	192.7	219.9	211.6	191.3	184.5	187.8	110.0	50.6	32.7
70°	107.2	107.8	117.4	153.8	171.7	146.9	124.6	122.8	43.6	13.6	14.8
72.5°	60.7	59.4	61.3	73.2	93.6	78.0	64.2	58.4	13.2	7.6	7.6
75°	28.8	28.0	24.1	22.6	20.6	13.2	8.2	7.0	3.3	3.1	3.1
77.5°	0.2	0.6	0.4	0.6	0.6	0.4	0.2	0.2	0.6	0.6	0.8
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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	731.4	725.2	723.8	723.4	717.6	711.4	705.1	702.6	698.9	696.6	698.5
5°	717.6	708.8	700.9	693.7	681.0	667.0	654.9	647.1	639.6	634.7	635.9
7.5°	698.1	686.5	668.6	650.3	626.9	605.9	582.5	568.1	554.7	547.3	550.8
10°	677.3	662.1	633.5	602.4	565.6	532.7	499.2	471.8	456.0	441.0	442.6
12.5°	656.9	636.8	594.0	546.9	500.4	451.9	401.3	363.4	337.5	318.8	315.9
15°	638.0	612.1	555.5	493.4	430.1	365.5	300.9	246.8	216.8	198.3	197.0
17.5°	621.1	589.1	515.6	437.5	358.1	275.4	201.2	160.6	143.4	135.3	134.5
20°	604.9	565.8	474.9	380.7	279.5	193.3	138.8	120.1	114.6	111.3	111.7
22.5°	589.3	540.5	432.1	317.8	209.6	135.7	107.6	100.4	99.8	100.2	100.4
25°	576.1	517.3	388.1	257.1	149.5	103.5	89.9	87.8	89.7	92.3	92.8
27.5°	569.3	498.4	345.1	196.0	108.2	84.1	78.0	78.8	82.1	84.9	85.4
30°	571.2	484.2	300.7	142.1	83.3	71.0	68.9	70.5	73.8	76.5	76.9
32.5°	584.3	477.0	255.2	103.5	68.5	61.9	61.1	62.3	65.2	67.3	67.5
35°	610.4	478.6	212.1	79.2	58.8	55.1	54.9	55.7	57.2	58.6	58.8
37.5°	648.9	492.0	169.5	65.8	53.3	50.6	49.8	49.8	50.8	51.4	51.8
40°	690.2	512.1	135.7	58.2	49.4	46.5	44.8	44.2	45.0	45.9	46.1
42.5°	724.4	532.3	110.2	52.9	46.3	42.4	40.3	39.9	40.9	42.4	42.8
45°	750.5	547.9	91.9	48.5	42.8	38.5	36.2	36.2	38.0	40.5	40.9
47.5°	774.4	560.5	78.4	44.6	39.5	35.0	32.7	33.1	36.2	39.5	40.1
50°	790.6	570.5	68.3	41.1	36.8	32.1	30.0	30.9	34.6	38.5	39.1
52.5°	808.1	582.9	61.7	38.0	34.3	29.8	28.0	28.6	32.7	37.0	37.8
55°	856.4	624.2	61.5	33.9	30.0	26.7	25.9	26.1	30.2	35.2	36.2
57.5°	895.9	660.6	65.6	28.6	25.1	23.4	23.0	23.2	26.9	32.5	33.7
60°	741.3	513.4	54.3	23.7	21.0	20.6	20.0	20.4	23.9	28.8	29.8
62.5°	438.7	293.5	25.9	18.1	17.9	17.5	16.9	17.7	21.0	25.3	25.9
65°	149.9	87.0	16.5	14.8	15.2	14.6	14.0	14.8	17.7	20.2	20.4
67.5°	28.8	23.0	13.2	12.3	12.5	11.3	11.1	11.9	13.6	14.0	13.8
70°	15.0	13.4	10.1	10.1	9.7	8.0	8.0	8.8	8.8	8.2	8.0
72.5°	7.8	7.4	6.6	7.4	6.2	4.9	4.9	5.3	4.9	4.1	4.1
75°	3.1	3.1	2.9	3.7	2.7	2.3	2.1	2.5	1.9	1.4	1.4
77.5°	0.8	0.8	0.8	1.0	0.6	0.6	0.4	0.4	0.2	0.0	0.0
80°	0.0	0.2	0.0	0.2	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)