

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: P628795

Luminaire Tested: GWS-SA1A-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628795
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1640.5 lumens
Efficiency: N/A
Efficacy: 83.3 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

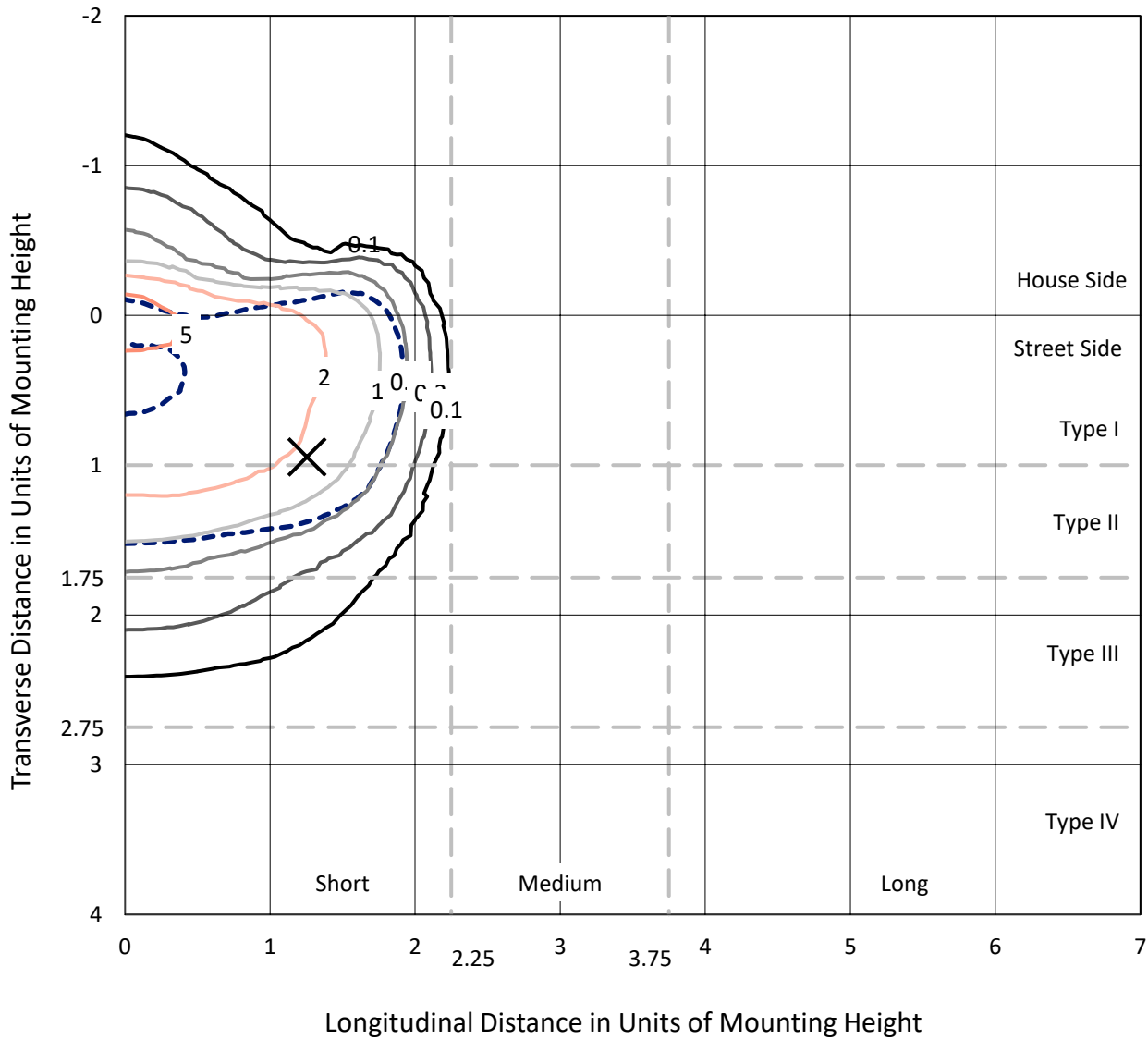
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

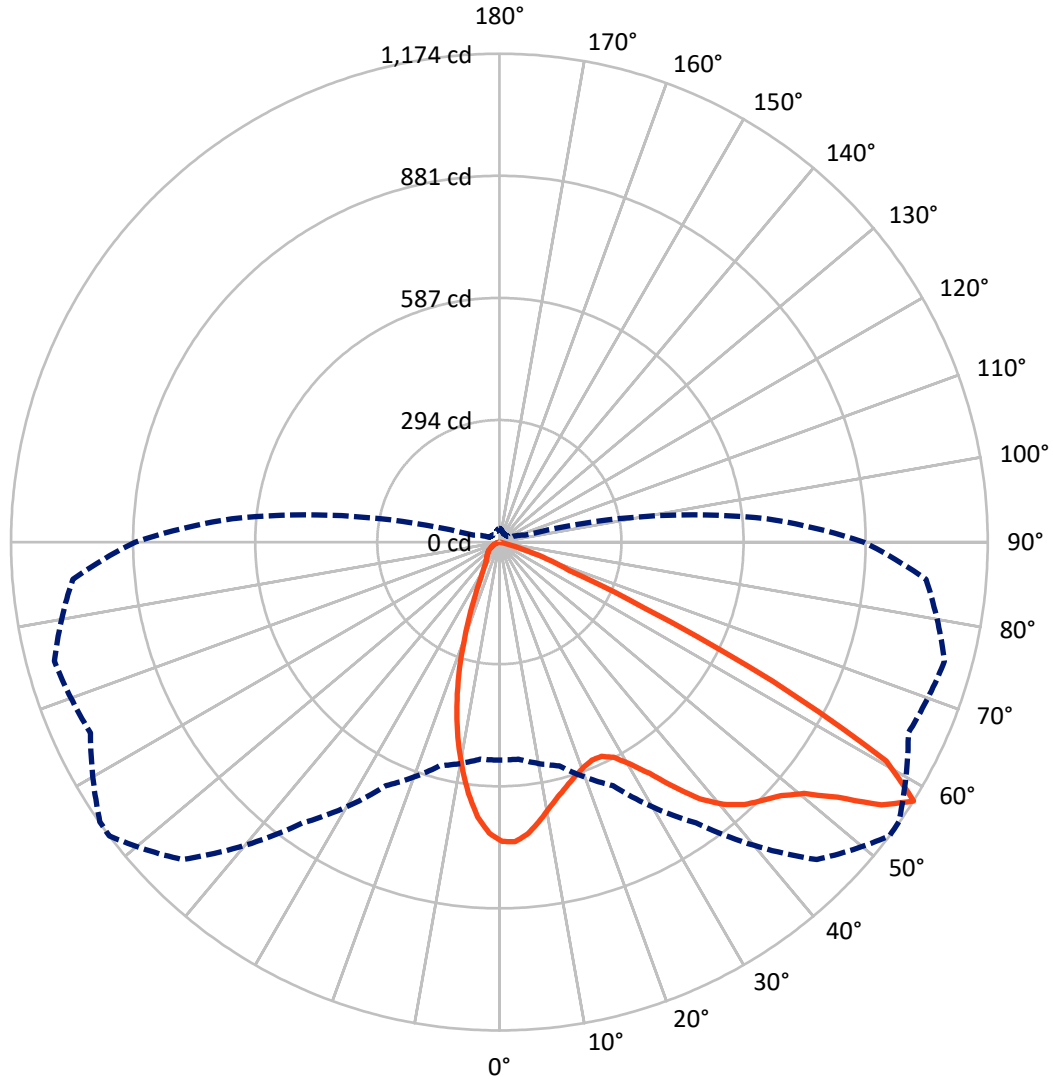
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 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	271.0	0.0	271.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1369.5	0.0	1369.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	1640.5	0.0	1640.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	3.8
10°-20°	135.2	8.2
20°-30°	176.1	10.7
30°-40°	255.4	15.6
40°-50°	368.5	22.5
50°-60°	445.7	27.2
60°-70°	181.7	11.1
70°-80°	16.3	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°	1640.5	100.0
0°-180°	1640.5	100.0

Coefficient of Utilization



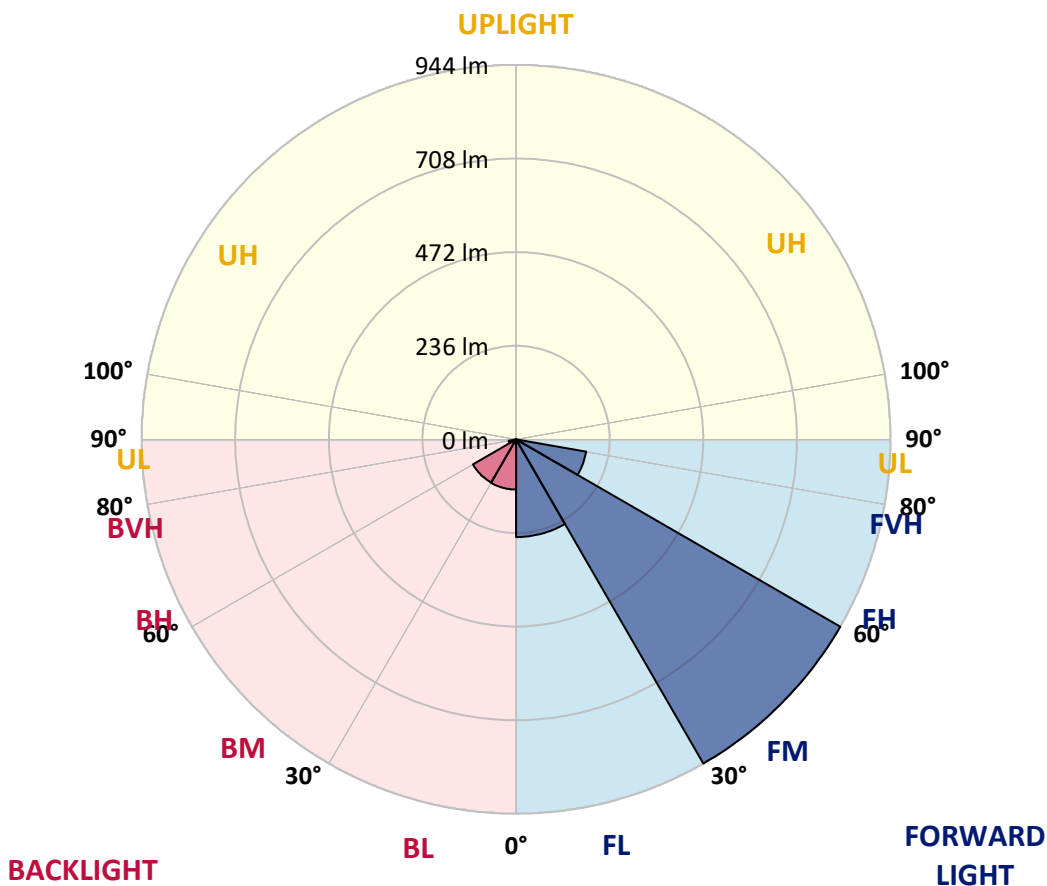
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.3	15.0			
FM (30°-60°)	943.9	57.5			
FH (60°-80°)	179.2	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	126.5	7.7	B1/500		
BM (30°-60°)	125.8	7.7	B0/220		
BH (60°-80°)	18.7	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°	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6
2.5°	709.6	711.2	714.0	717.6	720.0	721.2	721.2	724.6	722.4	720.6	718.6
5°	679.2	680.8	684.6	690.5	696.3	700.5	705.3	709.0	710.4	710.4	706.9
7.5°	636.4	638.6	641.0	649.0	661.7	671.2	679.4	684.6	692.3	694.7	689.9
10°	590.3	592.5	598.0	609.0	623.5	637.6	651.7	658.3	671.4	678.2	672.8
12.5°	551.3	552.3	559.6	572.8	591.3	610.6	627.7	634.6	653.1	663.3	656.9
15°	519.2	519.8	527.0	541.7	563.0	586.7	608.2	615.3	638.0	653.5	643.8
17.5°	494.8	495.0	501.3	517.1	539.5	565.8	591.3	600.0	629.3	648.0	633.6
20°	482.6	482.0	486.4	500.3	521.4	547.7	577.9	588.5	624.5	647.2	625.7
22.5°	482.8	481.4	483.2	493.0	510.9	535.6	569.4	581.5	624.9	650.7	619.1
25°	494.2	492.2	492.6	497.8	510.5	533.0	570.6	583.5	633.0	662.1	616.7
27.5°	513.5	511.3	511.3	513.9	520.8	541.3	585.7	600.4	654.5	684.4	621.7
30°	538.5	536.2	535.4	538.1	543.7	562.6	619.3	634.6	691.3	721.0	637.8
32.5°	567.0	564.4	565.8	569.4	574.8	601.0	662.5	682.8	737.3	770.3	666.7
35°	597.2	595.0	601.4	609.2	617.7	654.3	722.2	739.9	793.8	831.6	711.0
37.5°	625.9	624.9	638.4	654.9	672.4	718.2	783.0	796.6	842.3	898.4	765.1
40°	654.7	654.5	677.6	706.5	734.5	781.9	829.0	840.3	871.8	950.2	816.9
42.5°	686.8	686.8	718.8	757.4	794.6	835.8	862.8	867.8	885.1	980.2	855.9
45°	717.6	719.4	756.4	801.2	845.3	877.9	886.1	886.5	890.5	997.9	888.3
47.5°	741.9	743.5	787.8	839.5	886.9	909.8	911.0	909.2	904.8	1014.8	913.2
50°	761.6	764.1	810.3	865.0	915.5	940.6	949.8	948.0	936.8	1032.9	930.7
52.5°	771.3	774.7	818.1	877.7	947.2	993.3	1019.0	1023.2	984.6	1042.9	947.4
55°	694.1	699.1	739.1	820.6	964.9	1074.7	1115.1	1114.3	1036.5	1072.9	988.0
57.5°	524.2	523.8	557.0	646.0	824.2	1079.3	1174.2	1172.6	1085.0	1107.7	1029.7
60°	356.9	354.5	363.3	406.4	576.3	879.3	1068.7	1090.4	1050.6	1023.2	874.2
62.5°	293.8	291.5	288.7	276.9	331.0	547.7	738.3	771.3	766.1	711.2	548.3
65°	240.5	242.3	250.1	245.1	230.2	280.9	383.2	402.7	368.2	309.8	191.6
67.5°	177.3	178.1	188.4	214.9	206.9	187.0	180.4	183.6	107.6	49.5	32.0
70°	104.8	105.4	114.8	150.4	167.9	143.6	121.8	120.0	42.6	13.3	14.5
72.5°	59.3	58.1	59.9	71.6	91.5	76.2	62.7	57.1	12.9	7.4	7.4
75°	28.1	27.3	23.5	22.1	20.1	12.9	8.0	6.8	3.2	3.0	3.0
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°	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6
2.5°	715.0	709.0	707.6	707.2	701.5	695.5	689.3	686.8	683.2	681.0	682.8
5°	701.5	692.9	685.2	678.2	665.7	652.1	640.2	632.6	625.3	620.5	621.7
7.5°	682.4	671.2	653.7	635.8	612.9	592.3	569.4	555.3	542.3	535.0	538.5
10°	662.1	647.2	619.3	588.9	552.9	520.8	488.0	461.2	445.8	431.1	432.7
12.5°	642.2	622.5	580.7	534.6	489.2	441.7	392.3	355.3	330.0	311.7	308.8
15°	623.7	598.4	543.1	482.4	420.4	357.3	294.2	241.3	211.9	193.8	192.6
17.5°	607.2	575.9	504.1	427.7	350.1	269.2	196.6	157.0	140.1	132.3	131.5
20°	591.3	553.1	464.3	372.2	273.2	189.0	135.7	117.4	112.0	108.8	109.2
22.5°	576.1	528.4	422.4	310.6	204.9	132.7	105.2	98.1	97.5	97.9	98.1
25°	563.2	505.7	379.4	251.3	146.2	101.1	87.9	85.9	87.7	90.3	90.7
27.5°	556.6	487.2	337.4	191.6	105.8	82.2	76.2	77.0	80.2	83.0	83.4
30°	558.4	473.3	294.0	138.9	81.4	69.4	67.4	69.0	72.2	74.8	75.2
32.5°	571.2	466.3	249.5	101.1	67.0	60.5	59.7	60.9	63.7	65.7	65.9
35°	596.8	467.9	207.3	77.4	57.5	53.9	53.7	54.5	55.9	57.3	57.5
37.5°	634.4	481.0	165.7	64.3	52.1	49.5	48.7	48.7	49.7	50.3	50.7
40°	674.8	500.7	132.7	56.9	48.3	45.4	43.8	43.2	44.0	44.8	45.0
42.5°	708.2	520.4	107.8	51.7	45.2	41.4	39.4	39.0	40.0	41.4	41.8
45°	733.7	535.6	89.9	47.5	41.8	37.6	35.4	35.4	37.2	39.6	40.0
47.5°	757.0	547.9	76.6	43.6	38.6	34.2	32.0	32.4	35.4	38.6	39.2
50°	772.9	557.8	66.8	40.2	36.0	31.4	29.4	30.2	33.8	37.6	38.2
52.5°	790.0	569.8	60.3	37.2	33.6	29.2	27.3	27.9	32.0	36.2	37.0
55°	837.2	610.2	60.1	33.2	29.4	26.1	25.3	25.5	29.6	34.4	35.4
57.5°	875.8	645.8	64.1	27.9	24.5	22.9	22.5	22.7	26.3	31.8	33.0
60°	724.6	501.9	53.1	23.1	20.5	20.1	19.5	19.9	23.3	28.1	29.2
62.5°	428.9	286.9	25.3	17.7	17.5	17.1	16.5	17.3	20.5	24.7	25.3
65°	146.6	85.1	16.1	14.5	14.9	14.3	13.7	14.5	17.3	19.7	19.9
67.5°	28.1	22.5	12.9	12.1	12.3	11.1	10.9	11.7	13.3	13.7	13.5
70°	14.7	13.1	9.9	9.9	9.5	7.8	7.8	8.6	8.6	8.0	7.8
72.5°	7.6	7.2	6.4	7.2	6.0	4.8	4.8	5.2	4.8	4.0	4.0
75°	3.0	3.0	2.8	3.6	2.6	2.2	2.0	2.4	1.8	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)