

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: P628944

Luminaire Tested: GWS-SA1A-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2601 lumens
Efficiency: N/A
Efficacy: 132.0 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

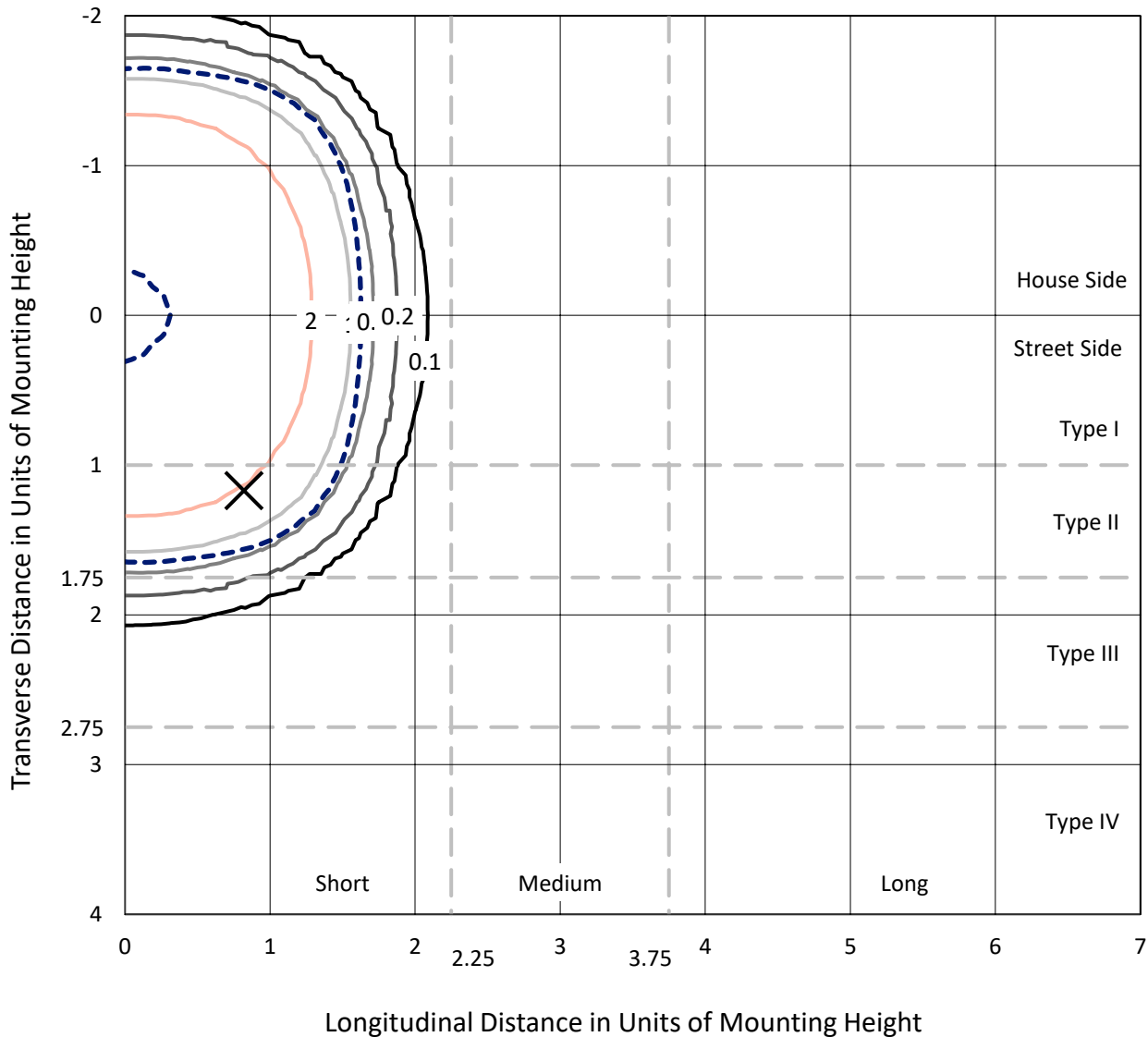
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

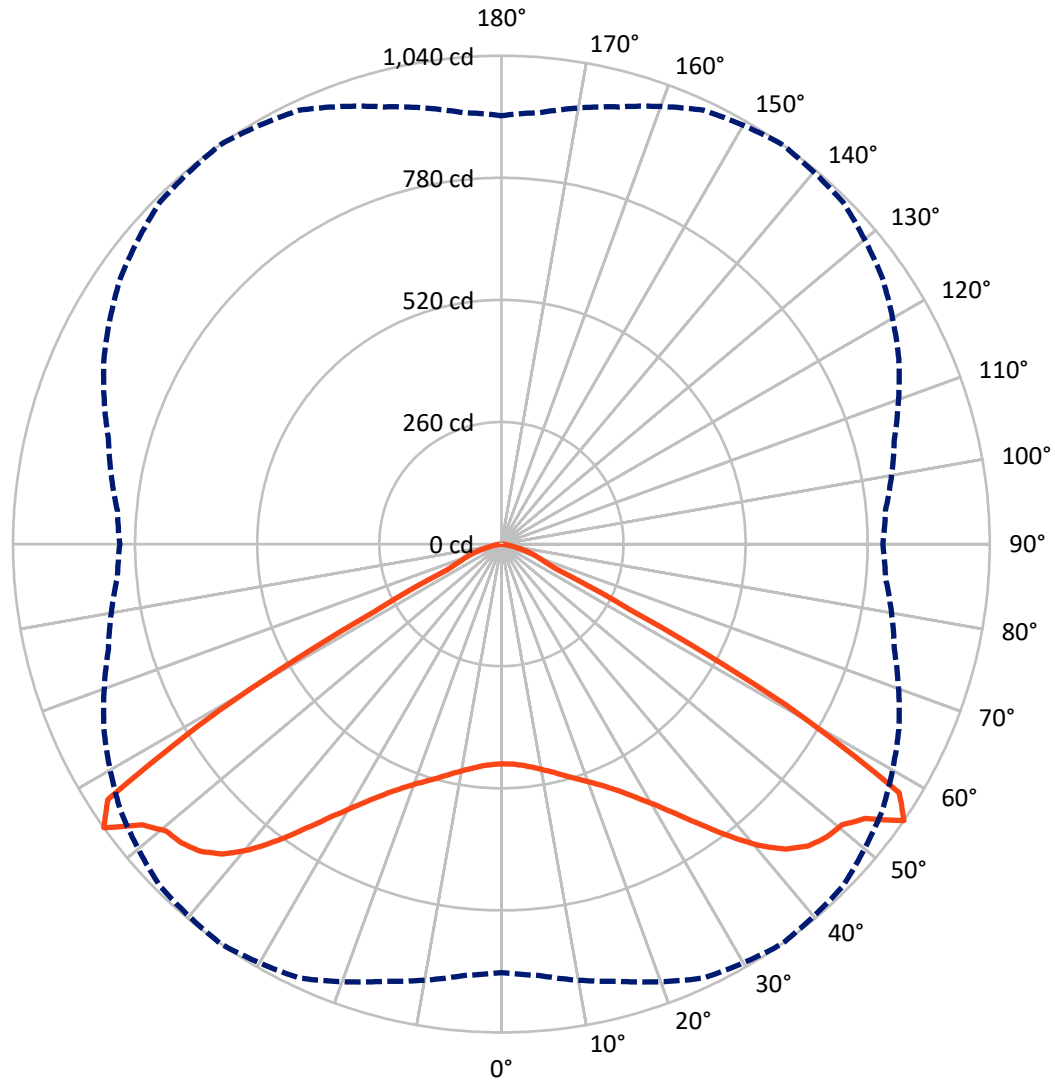
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.5	0.0	1300.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1300.5	0.0	1300.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2601.0	0.0	2601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.8
10°-20°	145.3	5.6
20°-30°	268.9	10.3
30°-40°	449.9	17.3
40°-50°	685.5	26.4
50°-60°	767.9	29.5
60°-70°	181.7	7.0
70°-80°	49.0	1.9
80°-90°	7.0	0.3
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°	2601.0	100.0
0°-180°	2601.0	100.0

Coefficient of Utilization



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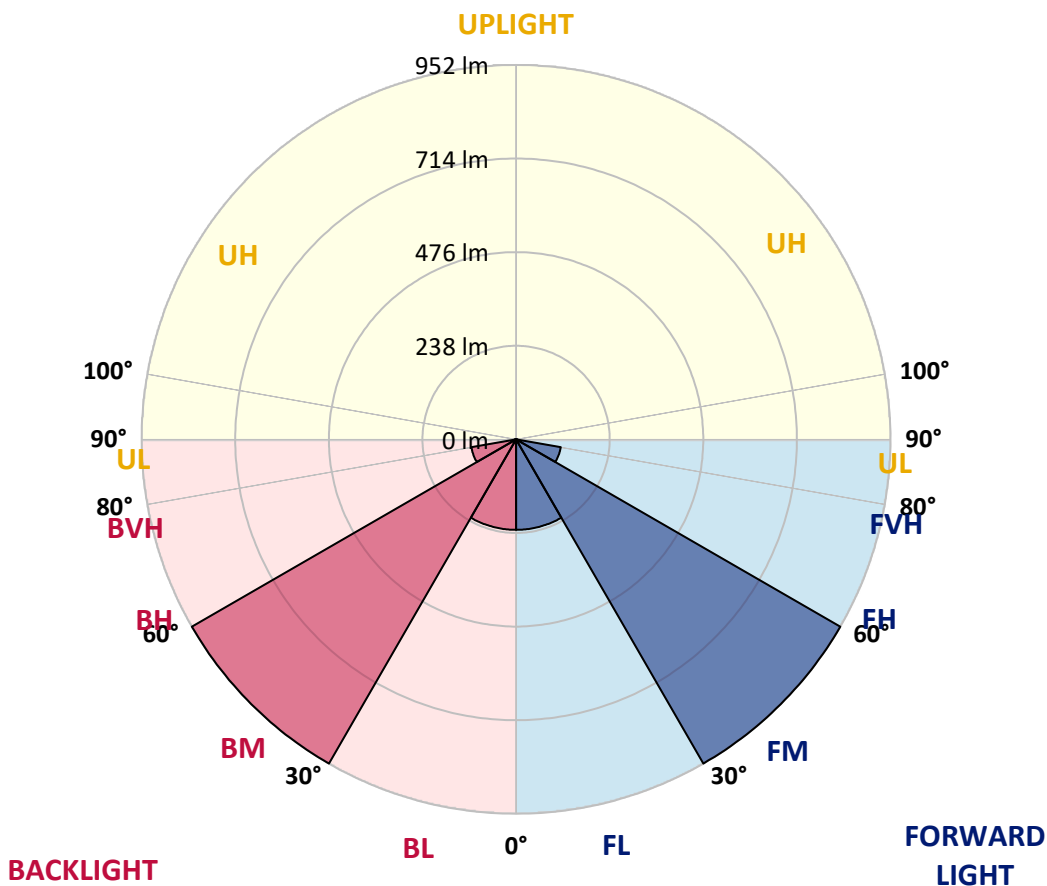
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.9	8.8			
FM (30°-60°)	951.7	36.6			
FH (60°-80°)	115.3	4.4			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	229.9	8.8	B1/500		
BM (30°-60°)	951.7	36.6	B1/1000		
BH (60°-80°)	115.3	4.4	B1/500		G0/660
BVH (80°-90°)	3.5	0.1			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°	45°	55°	65°	75°	85°	90°
0°	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9
2.5°	466.9	466.9	467.7	468.7	469.0	471.0	470.6	469.8	469.4	468.5	470.4
5°	472.0	472.2	472.9	473.5	473.1	474.7	474.1	473.1	472.5	471.4	473.3
7.5°	478.8	478.8	479.4	480.3	479.9	482.3	481.1	479.7	478.6	477.4	479.0
10°	485.0	485.4	486.0	487.7	488.5	491.2	490.3	488.3	486.6	485.2	487.1
12.5°	494.3	494.7	495.3	497.5	499.0	501.7	500.4	497.5	495.1	493.0	495.1
15°	506.2	505.8	507.4	510.3	512.1	514.6	513.2	508.2	504.9	502.3	504.3
17.5°	518.3	518.1	519.8	523.5	526.1	529.4	527.0	521.2	517.7	514.4	516.5
20°	531.5	532.1	533.7	537.2	541.1	545.5	543.4	537.2	533.3	529.6	531.3
22.5°	547.7	547.9	549.8	554.3	559.5	563.6	562.3	554.7	549.8	545.9	547.9
25°	567.3	567.1	569.5	574.9	582.1	586.2	583.5	575.1	569.7	565.2	566.9
27.5°	589.7	589.5	593.2	600.2	610.5	616.2	610.7	600.2	592.8	586.4	587.8
30°	617.9	617.3	621.4	630.8	644.2	653.9	645.6	631.0	621.4	614.6	616.0
32.5°	649.1	650.0	655.1	667.8	684.7	697.3	684.9	668.7	655.7	645.8	647.5
35°	683.5	683.5	694.0	709.8	733.9	750.5	731.4	708.0	690.7	677.1	677.5
37.5°	721.7	722.2	735.9	757.7	789.2	808.7	782.8	753.8	732.8	718.2	717.4
40°	768.4	769.7	783.9	808.1	843.5	861.4	833.6	805.2	783.9	766.6	764.9
42.5°	821.1	821.5	836.5	858.3	888.1	898.8	877.0	853.8	836.3	820.7	819.0
45°	871.3	870.2	883.2	899.4	916.7	917.8	905.6	896.2	880.9	867.6	865.1
47.5°	910.3	909.5	921.3	930.1	932.2	922.1	926.0	927.4	909.7	891.6	886.9
50°	934.2	935.9	947.0	951.9	939.8	923.3	938.1	934.4	909.1	885.5	877.9
52.5°	948.6	951.1	970.4	983.0	970.4	954.8	956.8	935.0	898.6	867.4	857.5
55°	912.2	922.1	963.8	1019.4	1039.9	1029.0	989.9	933.8	866.3	820.9	812.4
57.5°	676.1	691.7	753.6	873.9	999.0	1038.7	924.5	782.8	680.6	622.2	617.3
60°	345.1	362.6	412.2	535.8	696.6	752.6	644.0	501.2	398.4	351.1	345.8
62.5°	140.9	143.8	160.0	207.7	307.9	355.2	312.0	219.1	164.5	151.6	151.8
65°	110.9	111.5	110.7	113.5	129.0	143.2	132.3	116.2	113.3	114.8	113.7
67.5°	96.7	96.9	96.3	96.3	96.9	96.3	97.5	98.1	98.5	100.2	99.1
70°	80.8	81.0	81.0	81.5	81.2	80.2	82.1	82.9	83.1	84.1	83.5
72.5°	62.5	63.1	63.6	63.8	63.6	62.9	64.0	65.4	65.2	66.2	65.2
75°	42.4	43.2	43.6	44.4	44.2	44.2	45.5	46.1	45.5	46.3	45.5
77.5°	24.1	24.7	25.9	26.7	27.6	28.2	29.0	29.4	29.2	29.6	29.2
80°	14.0	14.2	15.2	15.6	16.7	17.7	18.5	18.9	19.1	19.3	19.1
82.5°	8.0	8.2	8.6	9.1	9.9	10.7	11.5	12.1	12.1	12.3	12.1
85°	3.9	3.9	4.1	4.3	4.7	5.3	6.0	6.6	6.8	6.8	6.8
87.5°	0.6	0.6	0.8	0.8	1.0	1.2	1.6	2.1	2.3	2.3	2.3
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)