

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: P636752

Luminaire Tested: GWS-SA4B-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636752
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-SA4B-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13121.8 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

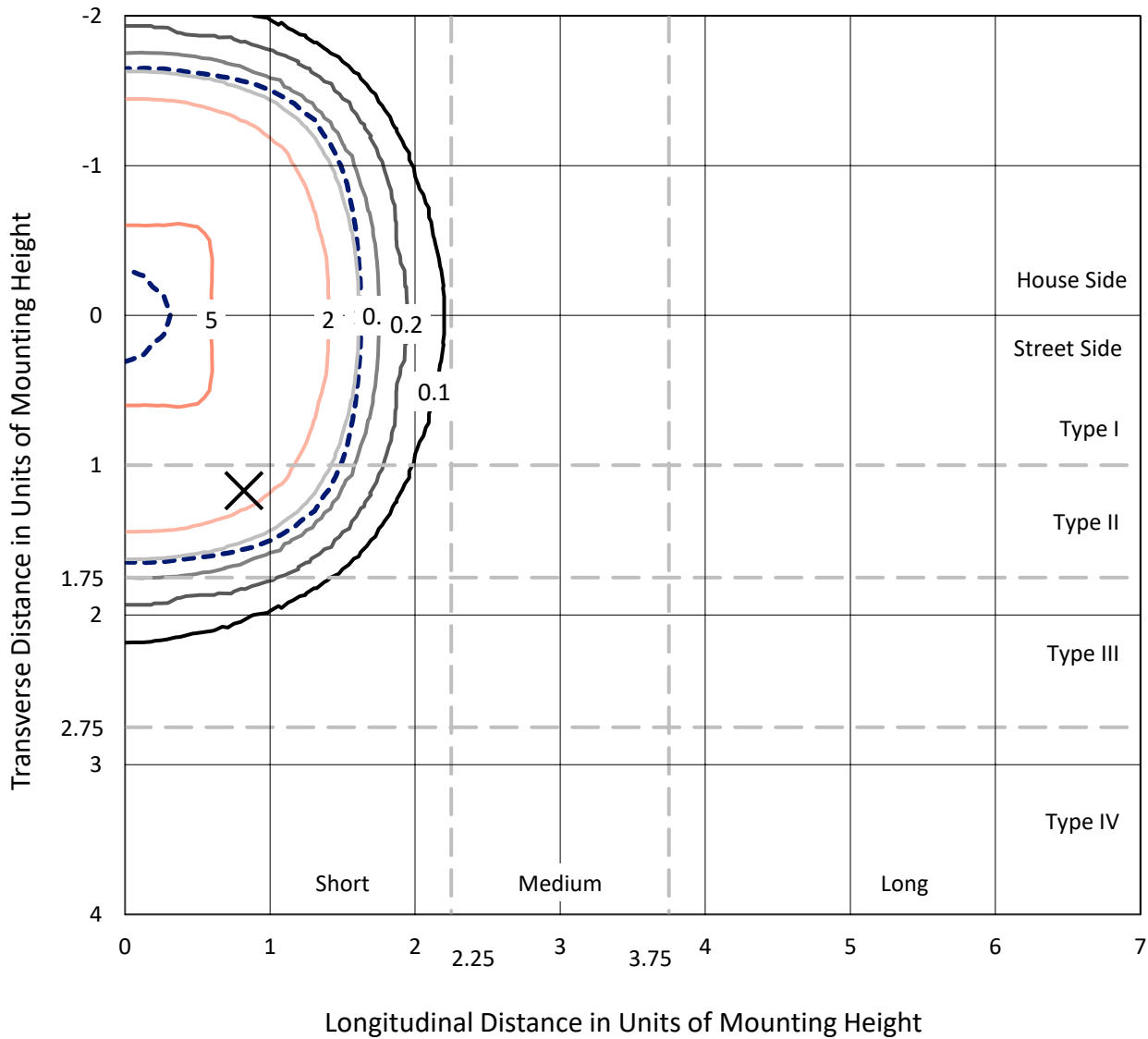
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

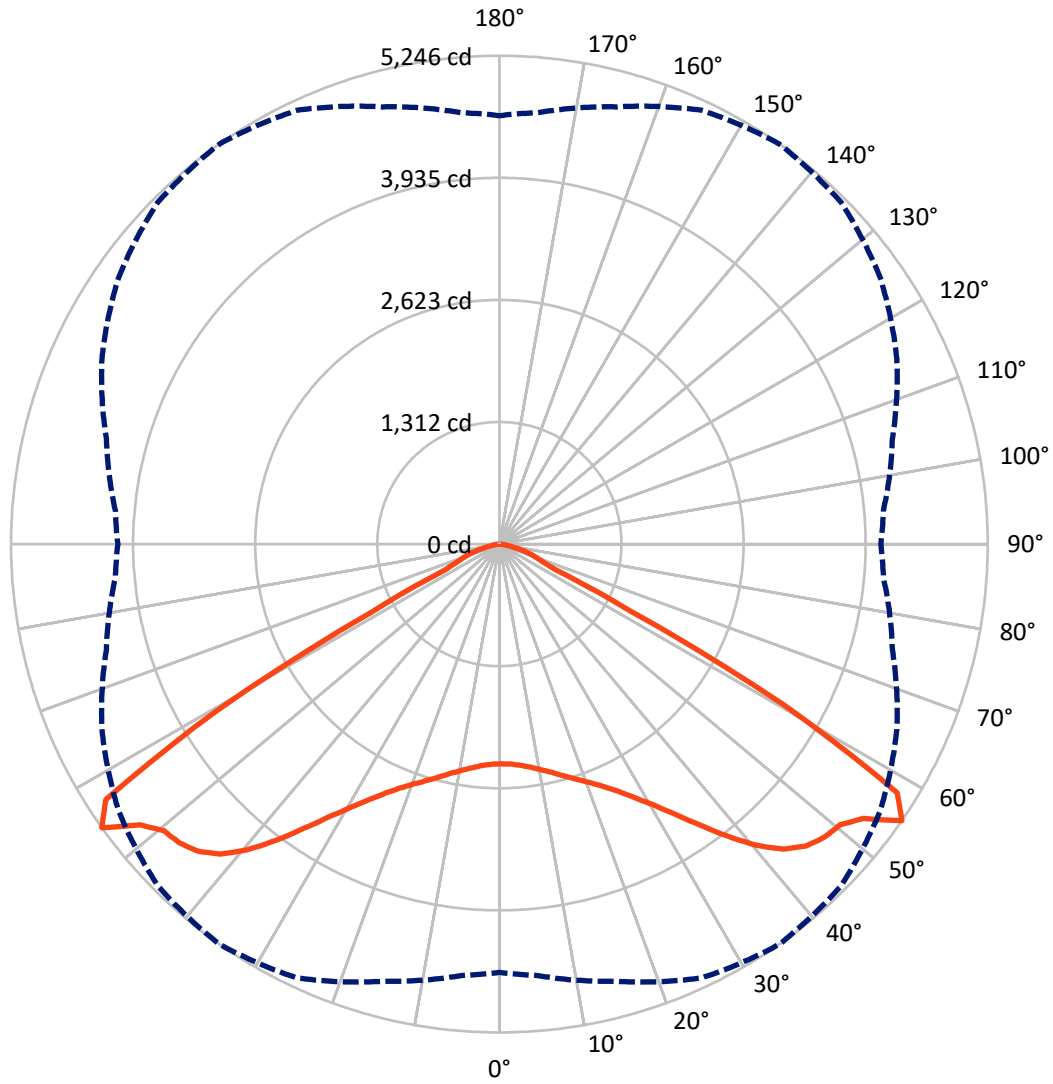
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 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	6560.9	0.0	6560.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6560.9	0.0	6560.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13121.8	0.0	13121.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.3	1.8
10°-20°	733.1	5.6
20°-30°	1356.8	10.3
30°-40°	2269.6	17.3
40°-50°	3458.5	26.4
50°-60°	3874.2	29.5
60°-70°	916.7	7.0
70°-80°	247.1	1.9
80°-90°	35.6	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°	13121.8	100.0
0°-180°	13121.8	100.0

Coefficient of Utilization



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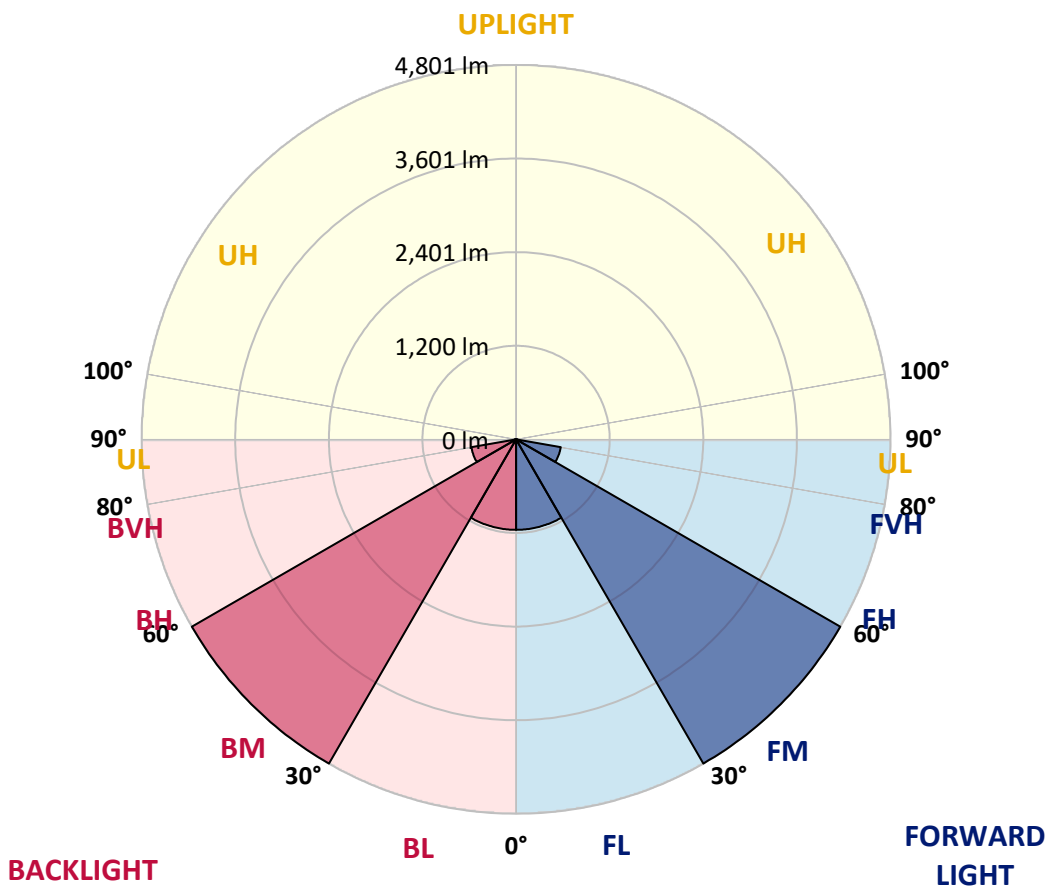
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1160.0	8.8			
FM (30°-60°)	4801.2	36.6			
FH (60°-80°)	581.9	4.4			G0/660
FVH (80°-90°)	17.8	0.1			G1/100
BL (0°-30°)	1160.0	8.8	B3/2500		
BM (30°-60°)	4801.2	36.6	B3/5000		
BH (60°-80°)	581.9	4.4	B2/1000		G0/660
BVH (80°-90°)	17.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2360.6	2360.6	2360.6	2360.6	2360.6	2360.6	2360.6	2360.6	2360.6	2360.6	2360.6
2.5°	2355.5	2355.5	2359.6	2364.8	2365.8	2376.2	2374.1	2370.0	2367.9	2363.8	2373.1
5°	2381.4	2382.4	2385.6	2388.7	2386.6	2394.9	2391.8	2386.6	2383.5	2378.3	2387.6
7.5°	2415.6	2415.6	2418.8	2422.9	2420.8	2433.3	2427.1	2419.8	2414.6	2408.4	2416.7
10°	2446.8	2448.8	2452.0	2460.3	2464.4	2477.9	2473.8	2463.4	2455.1	2447.8	2457.1
12.5°	2493.5	2495.5	2498.7	2510.1	2517.3	2530.8	2524.6	2510.1	2497.6	2487.2	2497.6
15°	2553.6	2551.6	2559.9	2574.4	2583.7	2596.2	2588.9	2564.0	2547.4	2533.9	2544.3
17.5°	2614.9	2613.8	2622.1	2640.8	2654.3	2670.9	2658.5	2629.4	2611.8	2595.2	2605.5
20°	2681.3	2684.4	2692.7	2710.3	2730.0	2751.8	2741.5	2710.3	2690.6	2671.9	2680.2
22.5°	2763.3	2764.3	2773.6	2796.5	2822.4	2843.2	2836.9	2798.5	2773.6	2753.9	2764.3
25°	2861.8	2860.8	2873.2	2900.2	2936.5	2957.3	2943.8	2901.3	2874.3	2851.5	2859.8
27.5°	2974.9	2973.9	2992.6	3027.9	3079.7	3108.8	3080.8	3027.9	2990.5	2958.3	2965.6
30°	3117.1	3114.0	3134.7	3182.5	3249.9	3298.7	3257.2	3183.5	3134.7	3100.5	3107.8
32.5°	3274.8	3279.0	3304.9	3369.2	3454.3	3517.6	3455.4	3373.4	3308.0	3258.2	3266.5
35°	3448.1	3448.1	3501.0	3580.9	3702.3	3786.4	3689.9	3571.6	3484.4	3415.9	3418.0
37.5°	3641.1	3643.2	3712.7	3822.7	3981.5	4080.0	3949.3	3803.0	3697.1	3623.5	3619.3
40°	3876.6	3882.9	3954.5	4076.9	4255.4	4345.7	4205.6	4062.4	3954.5	3867.3	3859.0
42.5°	4142.3	4144.4	4220.1	4330.1	4480.6	4534.5	4424.5	4307.3	4219.1	4140.2	4131.9
45°	4395.5	4390.3	4455.7	4537.6	4624.8	4630.0	4568.8	4521.0	4444.2	4376.8	4364.3
47.5°	4592.6	4588.5	4647.6	4692.2	4702.6	4651.8	4671.5	4678.8	4589.5	4498.2	4474.3
50°	4713.0	4721.3	4777.3	4802.2	4741.0	4658.0	4732.7	4714.0	4586.4	4467.1	4428.7
52.5°	4785.6	4798.1	4895.6	4958.9	4895.6	4816.8	4827.1	4717.1	4533.5	4375.8	4326.0
55°	4602.0	4651.8	4862.4	5142.6	5246.3	5191.3	4994.2	4710.9	4370.6	4141.2	4098.7
57.5°	3410.7	3489.6	3801.9	4409.0	5039.9	5240.1	4664.2	3949.3	3433.6	3138.9	3114.0
60°	1741.2	1829.4	2079.4	2703.1	3514.5	3796.8	3248.9	2528.7	2009.9	1771.3	1744.3
62.5°	710.8	725.3	807.3	1048.0	1553.4	1792.0	1574.1	1105.1	830.1	764.7	765.8
65°	559.3	562.4	558.3	572.8	650.6	722.2	667.2	586.3	571.7	579.0	573.8
67.5°	487.7	488.7	485.6	485.6	488.7	485.6	491.8	495.0	497.0	505.3	500.1
70°	407.8	408.8	408.8	410.9	409.9	404.7	414.0	418.2	419.2	424.4	421.3
72.5°	315.4	318.6	320.6	321.7	320.6	317.5	322.7	330.0	328.9	334.1	328.9
75°	213.8	217.9	220.0	224.1	223.1	223.1	229.3	232.4	229.3	233.5	229.3
77.5°	121.4	124.5	130.7	134.9	139.0	142.2	146.3	148.4	147.3	149.4	147.3
80°	70.6	71.6	76.8	78.9	84.0	89.2	93.4	95.5	96.5	97.5	96.5
82.5°	40.5	41.5	43.6	45.7	49.8	54.0	58.1	61.2	61.2	62.3	61.2
85°	19.7	19.7	20.8	21.8	23.9	27.0	30.1	33.2	34.2	34.2	34.2
87.5°	3.1	3.1	4.2	4.2	5.2	6.2	8.3	10.4	11.4	11.4	11.4
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)