

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: P634717

Luminaire Tested: GWS-SA3C-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634717
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-SA3C-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12472.7 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

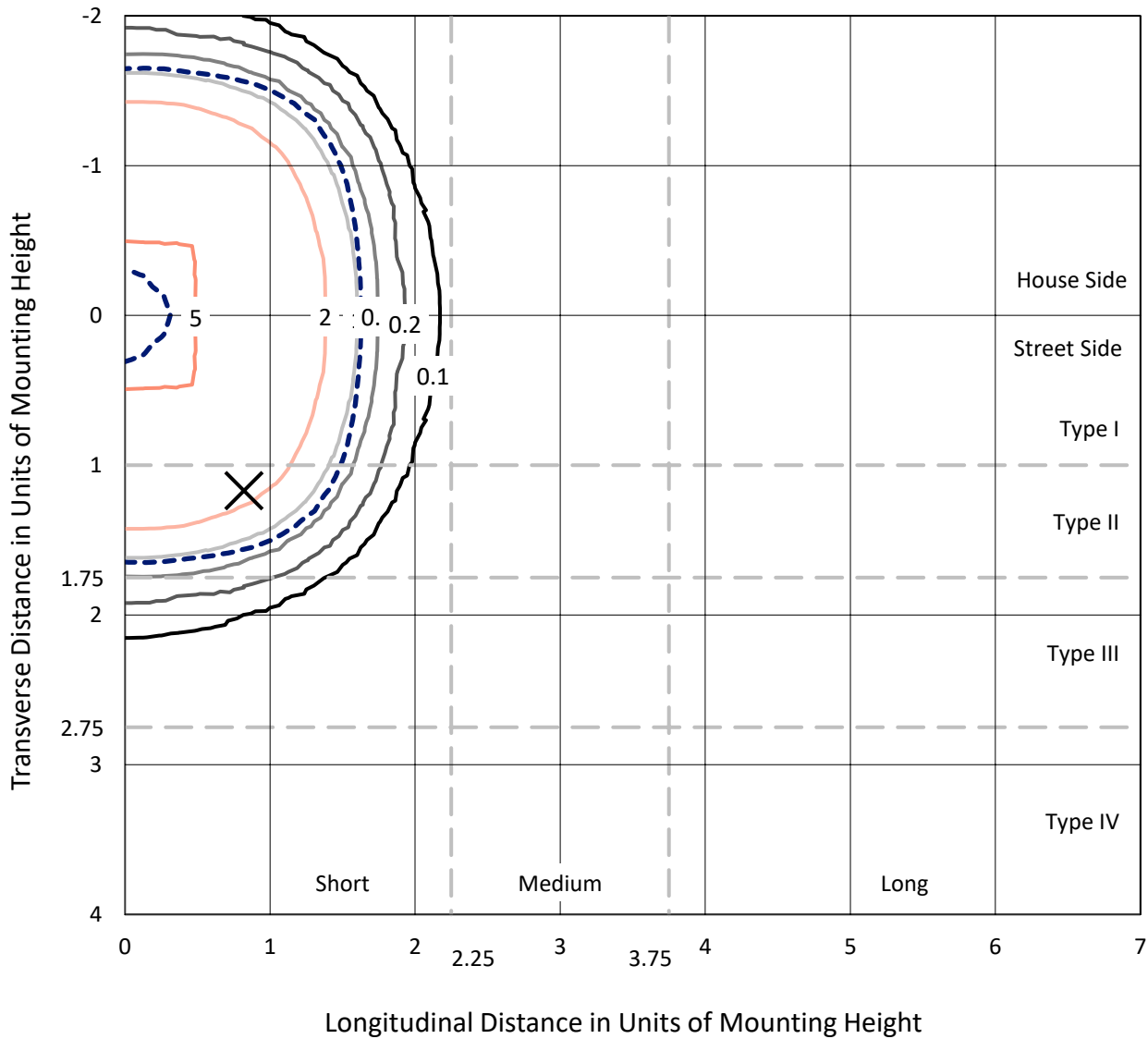
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

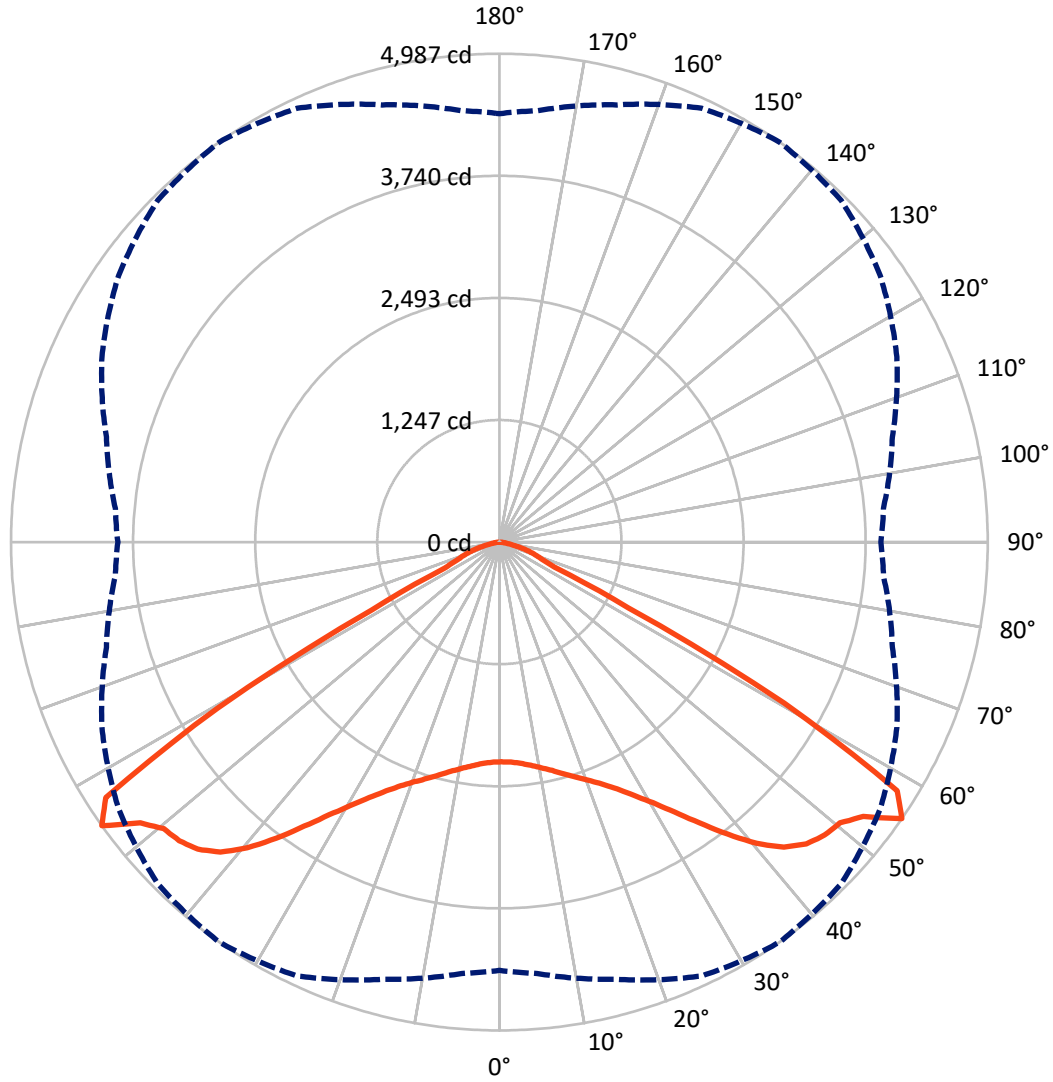
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	6236.3	0.0	6236.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6236.3	0.0	6236.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12472.7	0.0	12472.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.9	1.8
10°-20°	696.8	5.6
20°-30°	1289.7	10.3
30°-40°	2157.3	17.3
40°-50°	3287.4	26.4
50°-60°	3682.6	29.5
60°-70°	871.3	7.0
70°-80°	234.9	1.9
80°-90°	33.8	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°	12472.7	100.0
0°-180°	12472.7	100.0

Coefficient of Utilization



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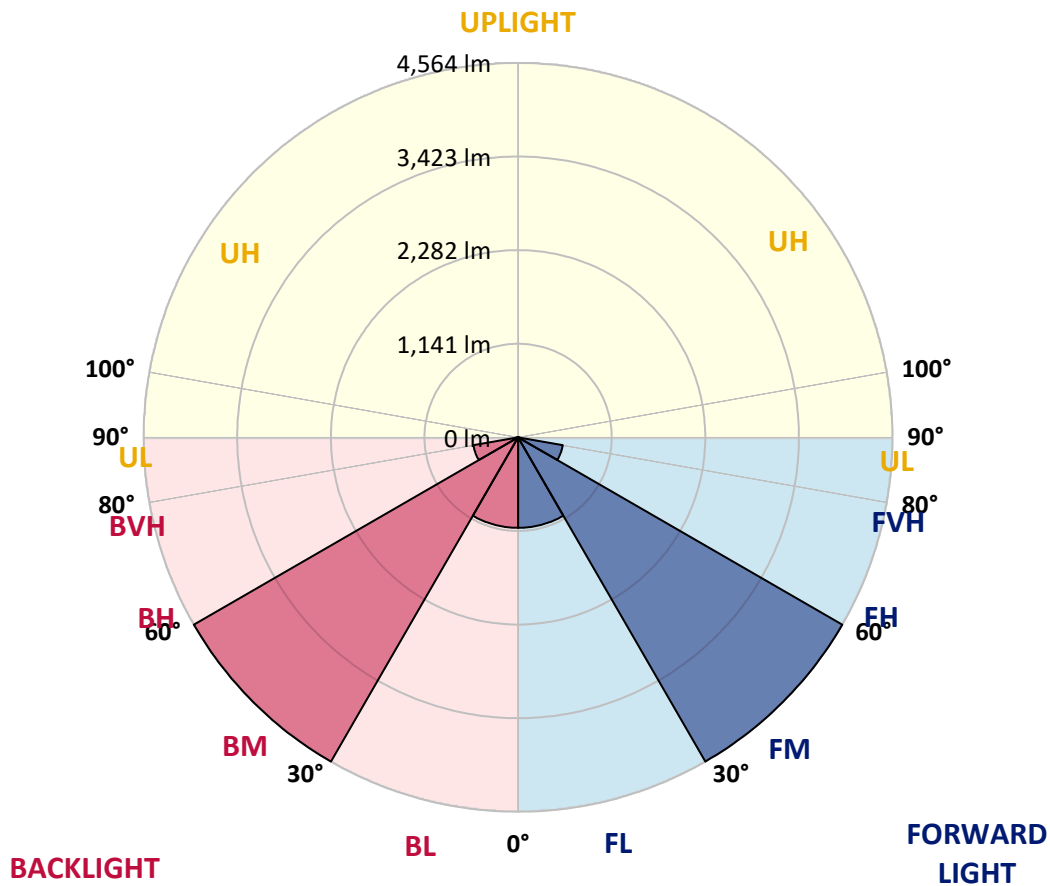
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1102.7	8.8			
FM (30°-60°)	4563.7	36.6			
FH (60°-80°)	553.1	4.4			G0/660
FVH (80°-90°)	16.9	0.1			G1/100
BL (0°-30°)	1102.7	8.8	B3/2500		
BM (30°-60°)	4563.7	36.6	B3/5000		
BH (60°-80°)	553.1	4.4	B2/1000		G0/660
BVH (80°-90°)	16.9	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°	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9
2.5°	2238.9	2238.9	2242.9	2247.8	2248.8	2258.7	2256.7	2252.7	2250.8	2246.8	2255.7
5°	2263.6	2264.6	2267.5	2270.5	2268.5	2276.4	2273.5	2268.5	2265.6	2260.6	2269.5
7.5°	2296.1	2296.1	2299.1	2303.1	2301.1	2312.9	2307.0	2300.1	2295.2	2289.2	2297.1
10°	2325.7	2327.7	2330.7	2338.6	2342.5	2355.3	2351.4	2341.5	2333.6	2326.7	2335.6
12.5°	2370.1	2372.1	2375.1	2385.9	2392.8	2405.6	2399.7	2385.9	2374.1	2364.2	2374.1
15°	2427.3	2425.4	2433.2	2447.1	2455.9	2467.8	2460.9	2437.2	2421.4	2408.6	2418.5
17.5°	2485.5	2484.5	2492.4	2510.2	2523.0	2538.8	2526.9	2499.3	2482.6	2466.8	2476.6
20°	2548.6	2551.6	2559.5	2576.3	2595.0	2615.7	2605.9	2576.3	2557.5	2539.8	2547.7
22.5°	2626.6	2627.5	2636.4	2658.1	2682.8	2702.5	2696.6	2660.1	2636.4	2617.7	2627.5
25°	2720.3	2719.3	2731.1	2756.8	2791.3	2811.0	2798.2	2757.7	2732.1	2710.4	2718.3
27.5°	2827.8	2826.8	2844.5	2878.1	2927.4	2955.0	2928.4	2878.1	2842.6	2812.0	2818.9
30°	2962.9	2959.9	2979.7	3025.0	3089.1	3135.5	3096.1	3026.0	2979.7	2947.1	2954.0
32.5°	3112.8	3116.8	3141.4	3202.6	3283.5	3343.6	3284.4	3206.5	3144.4	3097.0	3104.9
35°	3277.5	3277.5	3327.8	3403.8	3519.2	3599.1	3507.3	3394.9	3312.1	3247.0	3248.9
37.5°	3461.0	3463.0	3529.0	3633.6	3784.5	3878.2	3753.9	3614.9	3514.2	3444.2	3440.3
40°	3684.9	3690.8	3758.9	3875.2	4044.9	4130.7	3997.5	3861.4	3758.9	3676.0	3668.1
42.5°	3937.4	3939.4	4011.4	4115.9	4258.9	4310.2	4205.7	4094.2	4010.4	3935.4	3927.5
45°	4178.0	4173.1	4235.2	4313.2	4396.0	4400.9	4342.8	4297.4	4224.4	4160.3	4148.5
47.5°	4365.4	4361.5	4417.7	4460.1	4470.0	4421.7	4440.4	4447.3	4362.5	4275.7	4253.0
50°	4479.9	4487.7	4541.0	4564.7	4506.5	4427.6	4498.6	4480.8	4359.5	4246.1	4209.6
52.5°	4548.9	4560.7	4653.4	4713.6	4653.4	4578.5	4588.3	4483.8	4309.2	4159.3	4112.0
55°	4374.3	4421.7	4621.9	4888.2	4986.8	4934.5	4747.1	4477.9	4154.4	3936.4	3896.0
57.5°	3242.0	3317.0	3613.9	4190.9	4790.5	4980.9	4433.5	3753.9	3263.7	2983.6	2959.9
60°	1655.0	1738.9	1976.6	2569.4	3340.7	3608.9	3088.2	2403.7	1910.5	1683.6	1658.0
62.5°	675.6	689.4	767.4	996.2	1476.5	1703.4	1496.2	1050.4	789.1	726.9	727.9
65°	531.6	534.6	530.6	544.4	618.4	686.5	634.2	557.3	543.5	550.4	545.4
67.5°	463.6	464.6	461.6	461.6	464.6	461.6	467.5	470.5	472.4	480.3	475.4
70°	387.6	388.6	388.6	390.6	389.6	384.7	393.5	397.5	398.5	403.4	400.4
72.5°	299.8	302.8	304.8	305.8	304.8	301.8	306.7	313.6	312.7	317.6	312.7
75°	203.2	207.1	209.1	213.0	212.1	212.1	218.0	220.9	218.0	221.9	218.0
77.5°	115.4	118.4	124.3	128.2	132.2	135.1	139.1	141.0	140.1	142.0	140.1
80°	67.1	68.1	73.0	75.0	79.9	84.8	88.8	90.7	91.7	92.7	91.7
82.5°	38.5	39.5	41.4	43.4	47.3	51.3	55.2	58.2	58.2	59.2	58.2
85°	18.7	18.7	19.7	20.7	22.7	25.6	28.6	31.6	32.5	32.5	32.5
87.5°	3.0	3.0	3.9	3.9	4.9	5.9	7.9	9.9	10.8	10.8	10.8
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)