

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P527988

Luminaire Tested: **GALN-SA3A-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-740-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12050 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

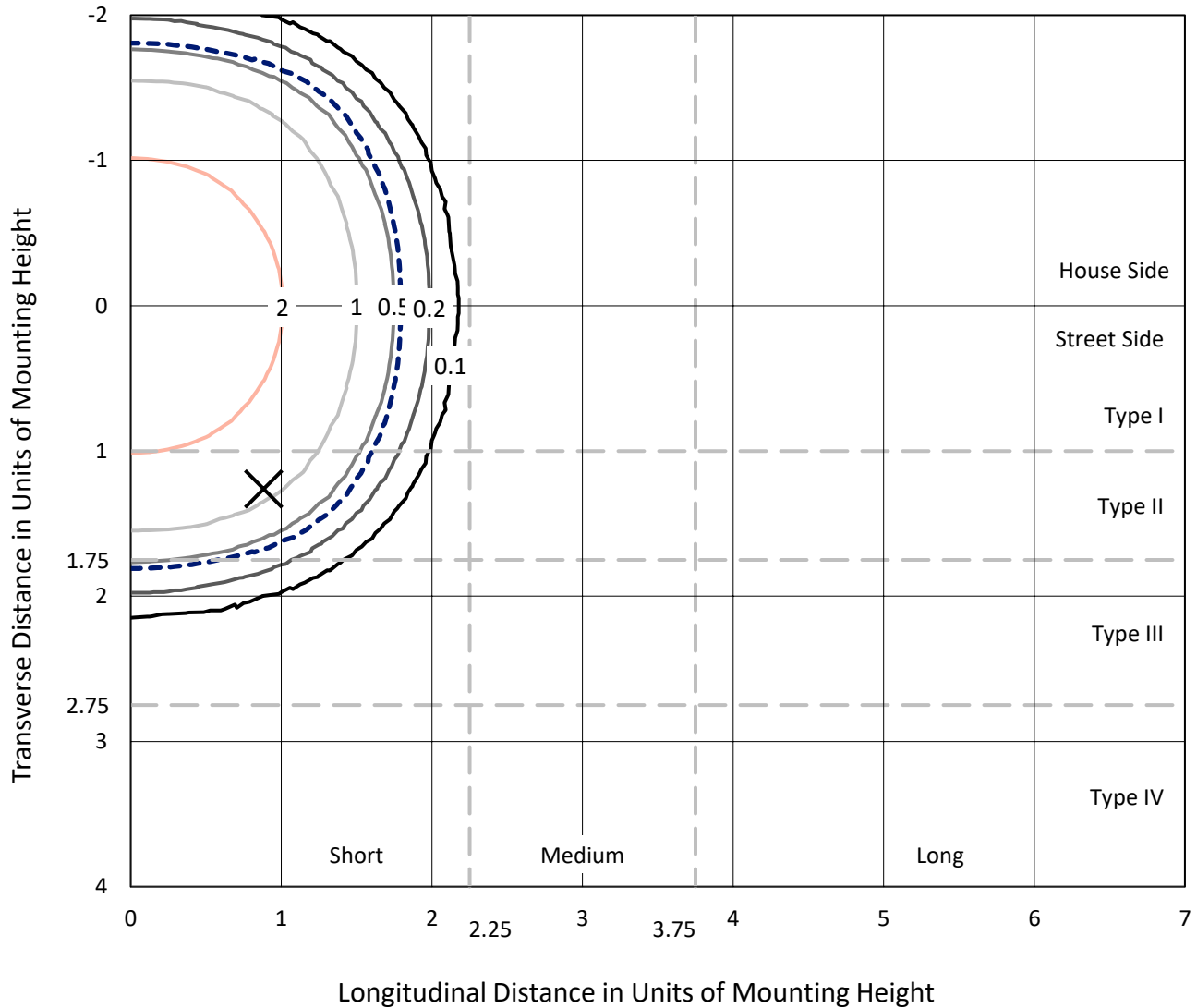
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

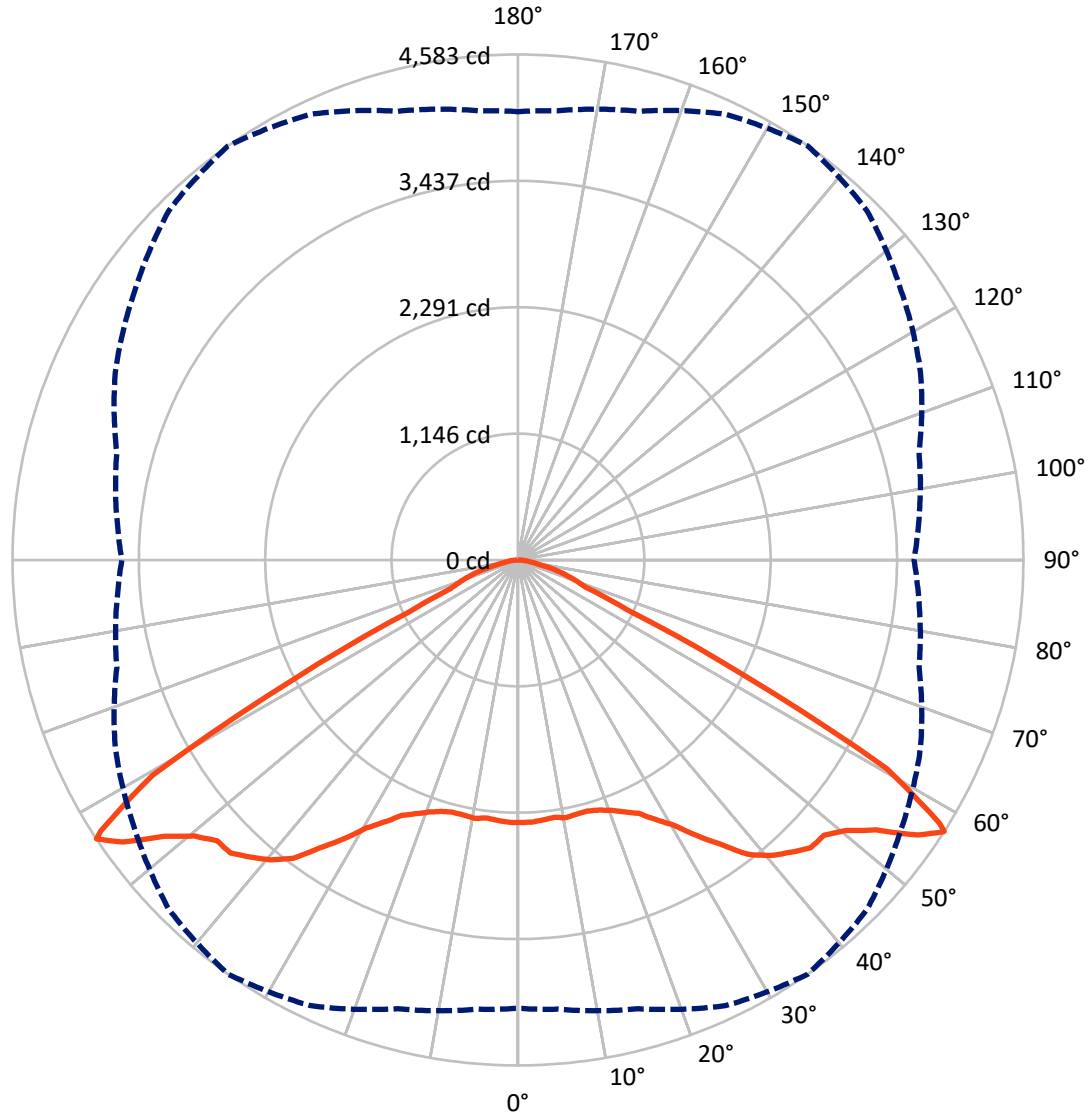
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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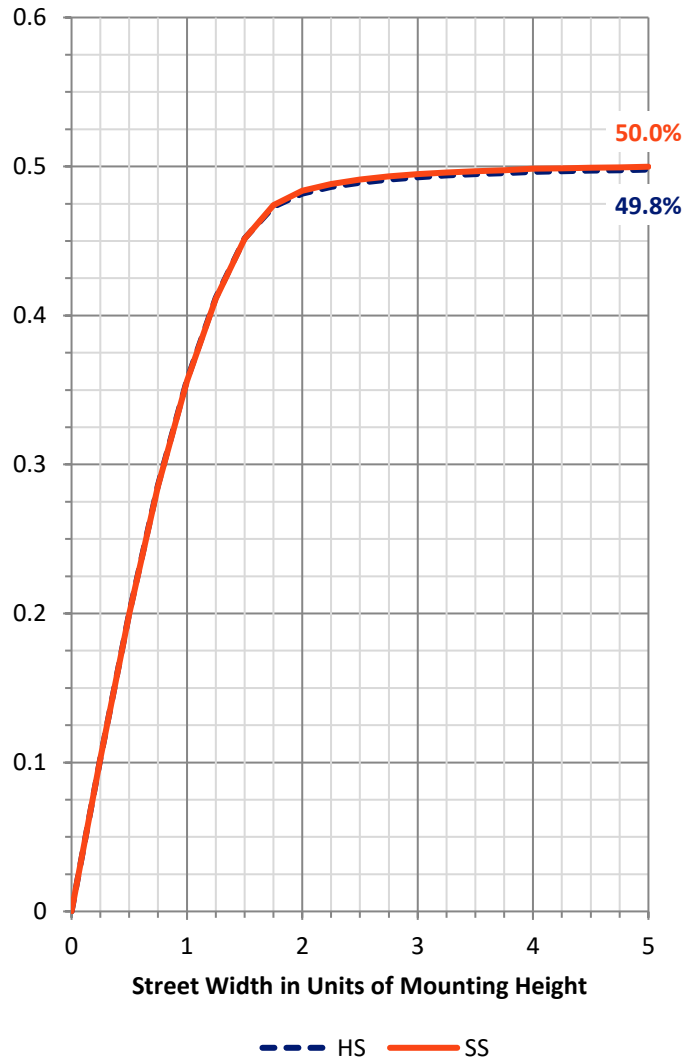
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6025.0	0.0	6025.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6025.0	0.0	6025.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12050.0	0.0	12050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	1.9
10°-20°	668.2	5.5
20°-30°	1167.0	9.7
30°-40°	1912.2	15.9
40°-50°	2803.7	23.3
50°-60°	3531.5	29.3
60°-70°	1328.1	11.0
70°-80°	353.1	2.9
80°-90°	60.6	0.5
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°	12050.0	100.0
0°-180°	12050.0	100.0

Coefficient of Utilization



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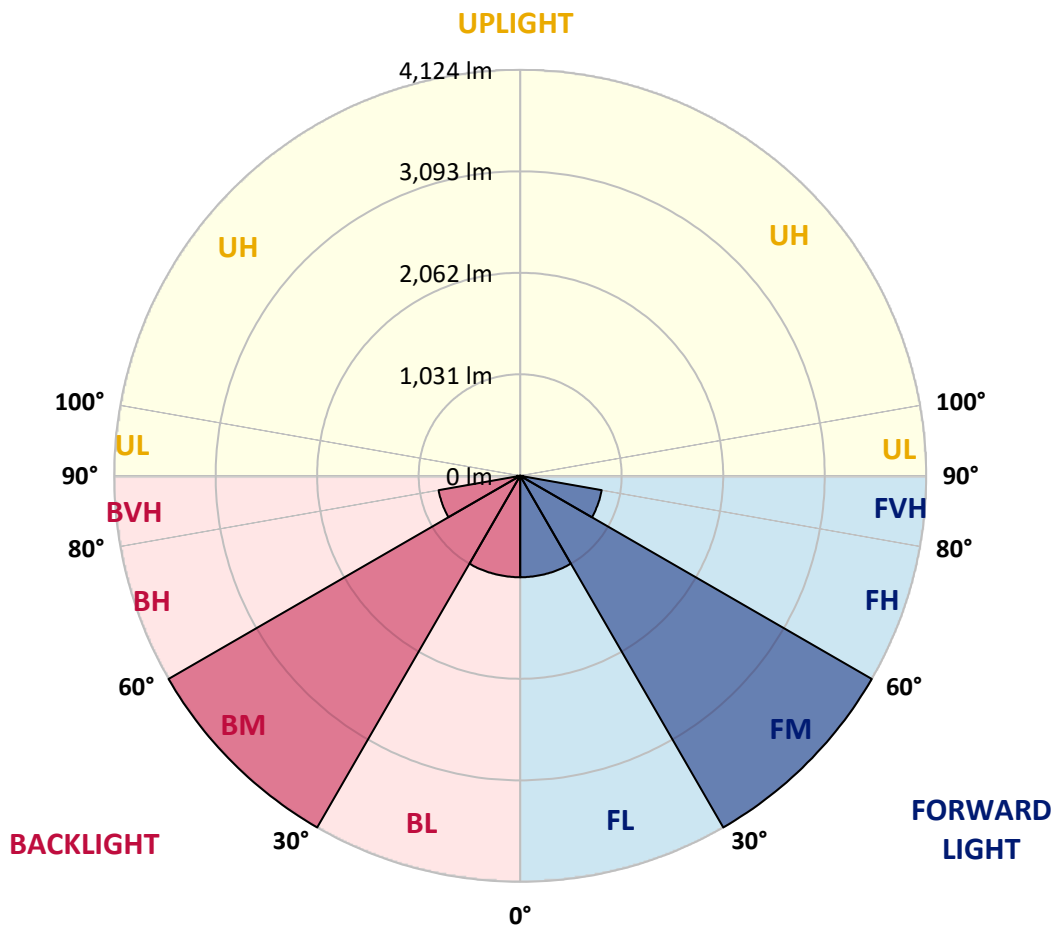
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.4	8.6			
FM (30°-60°)	4123.7	34.2			
FH (60°-80°)	840.6	7.0			G1/1800
FVH (80°-90°)	30.3	0.3			G1/100
BL (0°-30°)	1030.4	8.6	B3/2500		
BM (30°-60°)	4123.7	34.2	B3/5000		
BH (60°-80°)	840.6	7.0	B2/1000		G1/1800
BVH (80°-90°)	30.3	0.3			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°	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8
2.5°	2367.9	2391.7	2381.3	2375.3	2379.8	2372.4	2360.5	2373.8	2370.9	2359.0	2354.5
5°	2362.0	2379.8	2367.9	2379.8	2367.9	2388.7	2382.8	2360.5	2387.2	2362.0	2370.9
7.5°	2357.5	2363.5	2366.4	2360.5	2356.0	2381.3	2367.9	2357.5	2342.7	2338.2	2345.6
10°	2347.1	2362.0	2339.7	2369.4	2375.3	2357.5	2357.5	2338.2	2326.3	2318.9	2344.2
12.5°	2373.8	2348.6	2345.6	2360.5	2364.9	2372.4	2351.6	2341.2	2318.9	2321.9	2317.4
15°	2342.7	2353.1	2354.5	2357.5	2362.0	2379.8	2360.5	2338.2	2329.3	2298.1	2301.1
17.5°	2354.5	2344.2	2354.5	2388.7	2382.8	2396.1	2375.3	2341.2	2320.4	2302.6	2326.3
20°	2375.3	2370.9	2375.3	2416.9	2424.3	2436.2	2418.4	2387.2	2347.1	2326.3	2338.2
22.5°	2397.6	2394.6	2397.6	2437.7	2480.7	2495.6	2477.8	2405.0	2384.2	2345.6	2332.3
25°	2437.7	2440.7	2471.8	2516.4	2544.6	2572.8	2540.1	2488.2	2421.4	2397.6	2369.4
27.5°	2526.8	2534.2	2552.0	2617.3	2666.3	2691.5	2645.5	2574.3	2532.7	2483.7	2476.3
30°	2636.6	2636.6	2667.8	2724.2	2791.0	2829.6	2773.2	2688.6	2638.1	2611.4	2595.1
32.5°	2782.1	2765.8	2777.7	2877.1	2981.0	3013.7	2938.0	2834.1	2753.9	2718.3	2706.4
35°	2906.8	2917.2	2943.9	3050.8	3166.6	3242.3	3123.6	2988.5	2906.8	2874.2	2868.2
37.5°	3068.6	3086.4	3099.8	3246.8	3386.3	3414.5	3300.2	3191.9	3092.4	3065.7	3050.8
40°	3297.3	3285.4	3289.8	3398.2	3524.4	3542.2	3429.4	3352.2	3270.5	3254.2	3254.2
42.5°	3485.8	3472.4	3487.3	3527.4	3623.9	3610.5	3548.2	3491.7	3457.6	3439.8	3457.6
45°	3600.1	3597.1	3623.9	3653.6	3721.8	3677.3	3628.3	3637.2	3604.6	3574.9	3573.4
47.5°	3724.8	3705.5	3738.2	3782.7	3730.8	3710.0	3707.0	3726.3	3715.9	3664.0	3647.6
50°	3785.7	3778.3	3830.2	3882.2	3854.0	3806.5	3816.9	3848.0	3714.4	3644.7	3604.6
52.5°	3949.0	3950.5	4049.9	4078.1	4066.3	3996.5	4018.8	3934.1	3776.8	3678.8	3683.2
55°	4205.8	4195.4	4306.8	4389.9	4403.3	4314.2	4207.3	4088.5	3891.1	3791.6	3761.9
57°	4064.8	4088.5	4211.8	4458.2	4582.9	4477.5	4244.4	4027.7	3764.9	3644.7	3591.2
57.5°	3876.2	3914.8	4128.6	4376.6	4507.2	4498.3	4198.4	3914.8	3680.3	3493.2	3497.7
60°	2840.0	2847.4	3040.4	3433.8	3842.1	3851.0	3485.8	3110.2	2848.9	2645.5	2673.7
62.5°	1497.9	1532.1	1609.3	1925.5	2278.8	2364.9	2143.7	1950.7	1725.1	1570.7	1585.5
65°	792.8	788.3	825.4	914.5	1088.2	1132.7	1103.0	950.1	871.5	846.2	847.7
67.5°	644.3	651.7	647.3	651.7	663.6	682.9	678.5	684.4	688.8	696.3	694.8
70°	546.3	546.3	549.3	550.8	550.8	559.7	570.1	589.4	590.9	598.3	601.3
72.5°	430.5	427.6	432.0	442.4	443.9	451.3	466.2	478.0	482.5	482.5	473.6
75°	292.5	295.4	301.4	310.3	319.2	332.5	344.4	351.8	354.8	350.4	345.9
77.5°	164.8	167.8	172.2	185.6	196.0	207.8	221.2	228.6	236.0	237.5	228.6
80°	98.0	98.0	105.4	115.8	127.7	139.6	151.4	160.3	163.3	163.3	158.9
82.5°	59.4	60.9	66.8	77.2	87.6	95.0	105.4	112.8	118.8	117.3	114.3
85°	31.2	31.2	37.1	46.0	53.4	60.9	60.9	56.4	53.4	46.0	43.1
87.5°	10.4	8.9	11.9	11.9	10.4	11.9	11.9	13.4	13.4	13.4	13.4
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)