

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: P652259

Luminaire Tested: **GALN-SA3B-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652259
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-SA3B-840-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 800mA 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: 12610 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

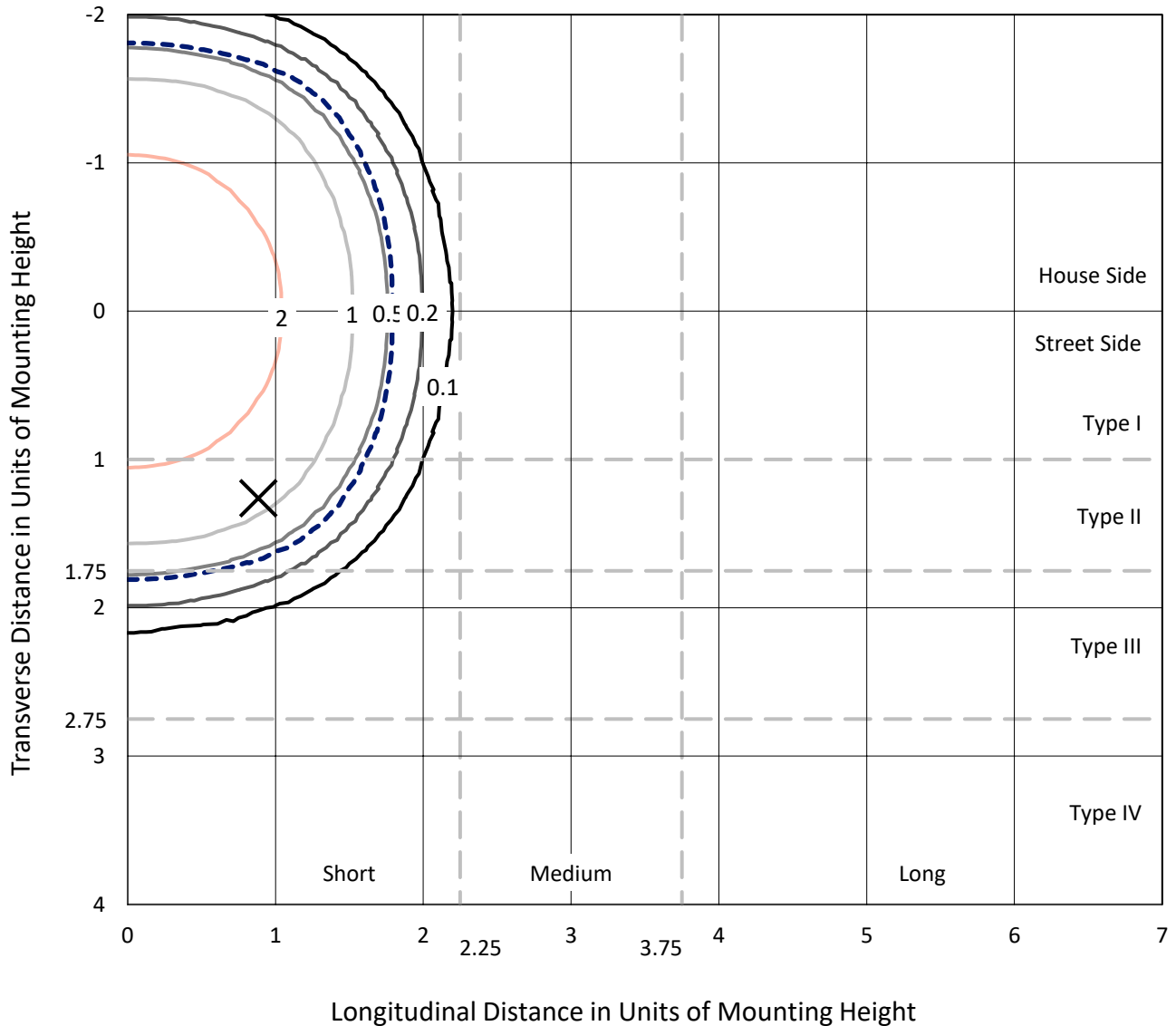
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

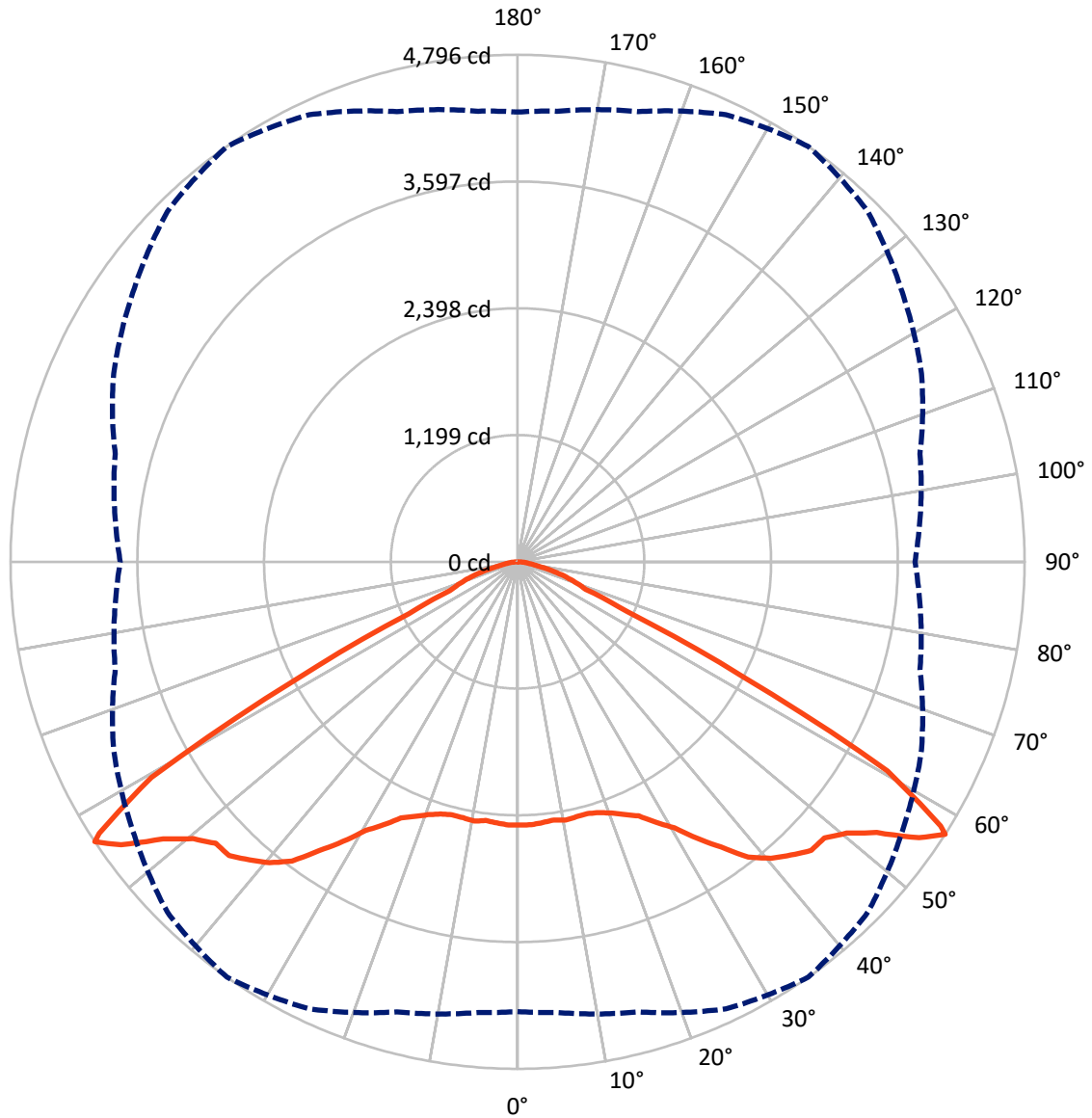
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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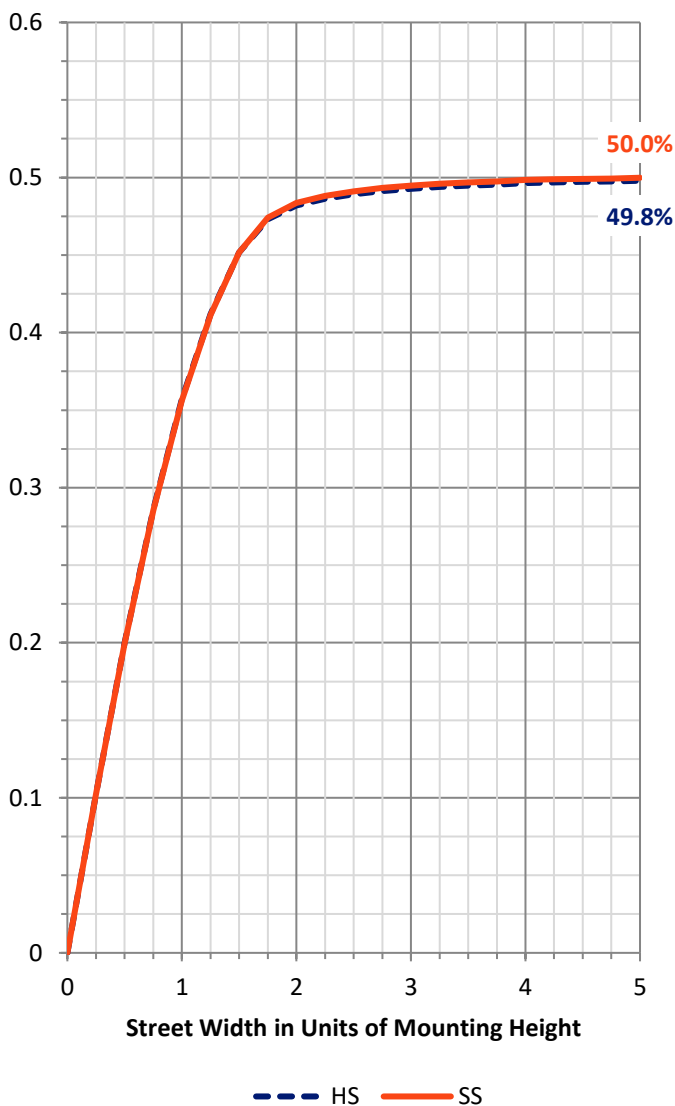
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6305.0	0.0	6305.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6305.0	0.0	6305.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12610.0	0.0	12610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.1	1.9
10°-20°	699.3	5.5
20°-30°	1221.2	9.7
30°-40°	2001.0	15.9
40°-50°	2934.0	23.3
50°-60°	3695.6	29.3
60°-70°	1389.9	11.0
70°-80°	369.6	2.9
80°-90°	63.4	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°	12610.0	100.0
0°-180°	12610.0	100.0

Coefficient of Utilization



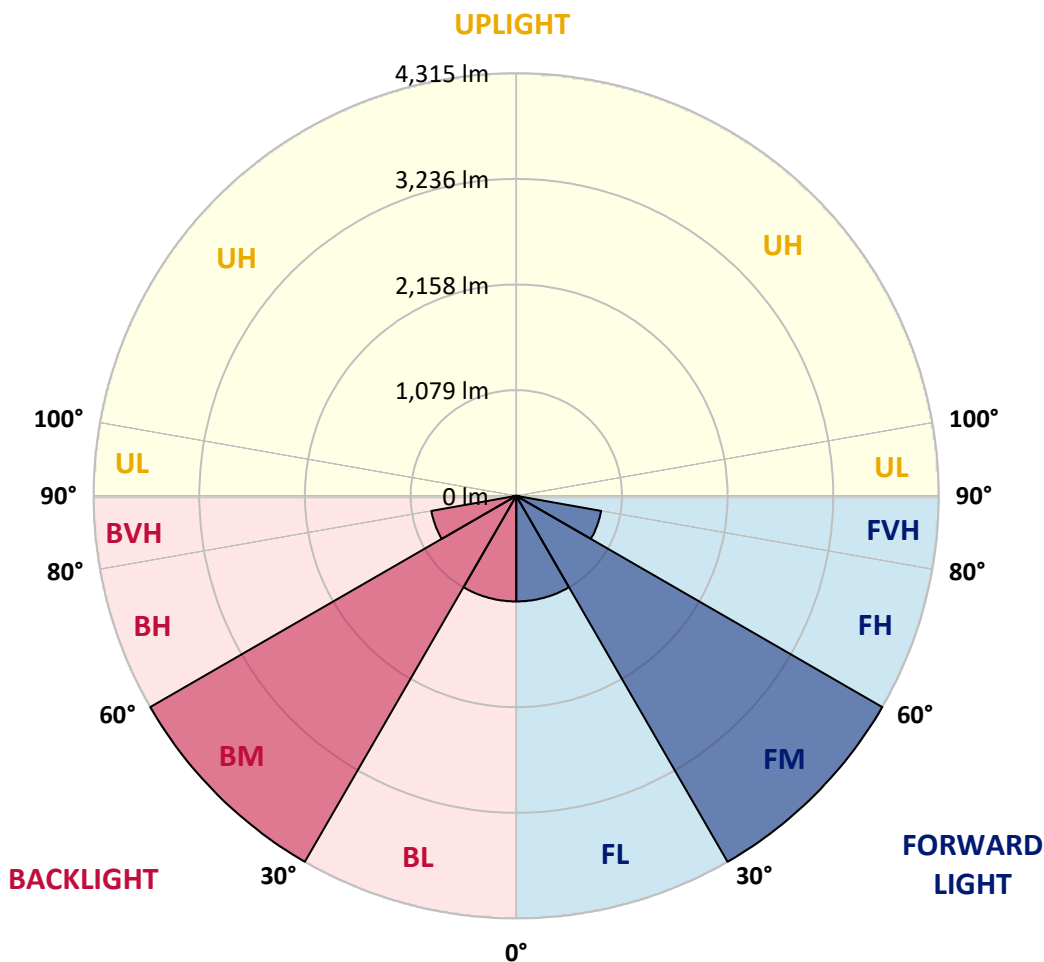
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1078.3	8.6			
FM (30°-60°)	4315.3	34.2			
FH (60°-80°)	879.7	7.0			G1/1800
FVH (80°-90°)	31.7	0.3			G1/100
BL (0°-30°)	1078.3	8.6	B3/2500		
BM (30°-60°)	4315.3	34.2	B3/5000		
BH (60°-80°)	879.7	7.0	B2/1000		G1/1800
BVH (80°-90°)	31.7	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°	2490.4	2490.4	2490.4	2490.4	2490.4	2490.4	2490.4	2490.4	2490.4	2490.4	2490.4
2.5°	2477.9	2502.8	2492.0	2485.7	2490.4	2482.6	2470.2	2484.1	2481.0	2468.6	2464.0
5°	2471.7	2490.4	2477.9	2490.4	2477.9	2499.7	2493.5	2470.2	2498.1	2471.7	2481.0
7.5°	2467.1	2473.3	2476.4	2470.2	2465.5	2492.0	2477.9	2467.1	2451.5	2446.9	2454.6
10°	2456.2	2471.7	2448.4	2479.5	2485.7	2467.1	2467.1	2446.9	2434.4	2426.7	2453.1
12.5°	2484.1	2457.7	2454.6	2470.2	2474.8	2482.6	2460.9	2450.0	2426.7	2429.8	2425.1
15°	2451.5	2462.4	2464.0	2467.1	2471.7	2490.4	2470.2	2446.9	2437.6	2404.9	2408.0
17.5°	2464.0	2453.1	2464.0	2499.7	2493.5	2507.4	2485.7	2450.0	2428.2	2409.5	2434.4
20°	2485.7	2481.0	2485.7	2529.2	2537.0	2549.4	2530.7	2498.1	2456.2	2434.4	2446.9
22.5°	2509.0	2505.9	2509.0	2550.9	2596.0	2611.6	2592.9	2516.8	2495.0	2454.6	2440.7
25°	2550.9	2554.0	2586.7	2633.3	2662.9	2692.4	2658.1	2603.8	2533.8	2509.0	2479.5
27.5°	2644.2	2651.9	2670.6	2739.0	2790.2	2816.6	2768.5	2693.9	2650.4	2599.1	2591.4
30°	2759.2	2759.2	2791.8	2850.8	2920.7	2961.1	2902.0	2813.5	2760.7	2732.7	2715.7
32.5°	2911.4	2894.3	2906.7	3010.8	3119.6	3153.8	3074.5	2965.8	2881.9	2844.6	2832.2
35°	3041.9	3052.7	3080.8	3192.6	3313.8	3393.0	3268.7	3127.3	3041.9	3007.8	3001.5
37.5°	3211.2	3229.9	3243.8	3397.6	3543.7	3573.2	3453.6	3340.2	3236.1	3208.2	3192.6
40°	3450.5	3438.1	3442.7	3556.1	3688.2	3706.8	3588.7	3508.0	3422.5	3405.5	3405.5
42.5°	3647.8	3633.8	3649.4	3691.3	3792.2	3778.3	3713.0	3654.0	3618.2	3599.6	3618.2
45°	3767.4	3764.3	3792.2	3823.4	3894.8	3848.2	3796.9	3806.3	3772.1	3741.0	3739.4
47.5°	3897.9	3877.7	3911.9	3958.5	3904.1	3882.4	3879.3	3899.5	3888.6	3834.2	3817.1
50°	3961.6	3953.9	4008.2	4062.6	4033.1	3983.3	3994.2	4026.9	3887.0	3814.0	3772.1
52.5°	4132.5	4134.0	4238.1	4267.7	4255.2	4182.2	4205.5	4116.9	3952.3	3849.8	3854.4
55°	4401.3	4390.4	4506.9	4593.9	4607.9	4514.7	4402.8	4278.5	4071.9	3967.8	3936.7
57°	4253.7	4278.5	4407.5	4665.4	4795.9	4685.5	4441.7	4214.8	3939.8	3814.0	3758.1
57.5°	4056.4	4096.8	4320.5	4579.9	4716.7	4707.3	4393.5	4096.8	3851.3	3655.6	3660.2
60°	2972.0	2979.7	3181.7	3593.4	4020.7	4030.0	3647.8	3254.8	2981.3	2768.5	2798.0
62.5°	1567.5	1603.3	1684.1	2015.0	2384.7	2474.8	2243.4	2041.4	1805.3	1643.7	1659.2
65°	829.6	824.9	863.8	957.0	1138.8	1185.4	1154.3	994.3	912.0	885.6	887.1
67.5°	674.2	682.1	677.3	682.1	694.4	714.7	710.0	716.2	720.8	728.6	727.0
70°	571.7	571.7	574.8	576.3	576.3	585.7	596.6	616.8	618.3	626.1	629.2
72.5°	450.5	447.4	452.1	463.0	464.5	472.3	487.8	500.2	504.9	504.9	495.6
75°	306.0	309.2	315.4	324.7	334.0	348.0	360.5	368.2	371.3	366.7	362.0
77.5°	172.4	175.5	180.2	194.2	205.0	217.5	231.4	239.3	247.0	248.6	239.3
80°	102.5	102.5	110.3	121.2	133.6	146.0	158.4	167.8	170.9	170.9	166.3
82.5°	62.1	63.7	69.9	80.8	91.7	99.4	110.3	118.1	124.3	122.7	119.6
85°	32.6	32.6	38.9	48.2	55.9	63.7	63.7	59.0	55.9	48.2	45.1
87.5°	10.8	9.3	12.4	12.4	10.8	12.4	12.4	14.0	14.0	14.0	14.0
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)