

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: P652265

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
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-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12119.7 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

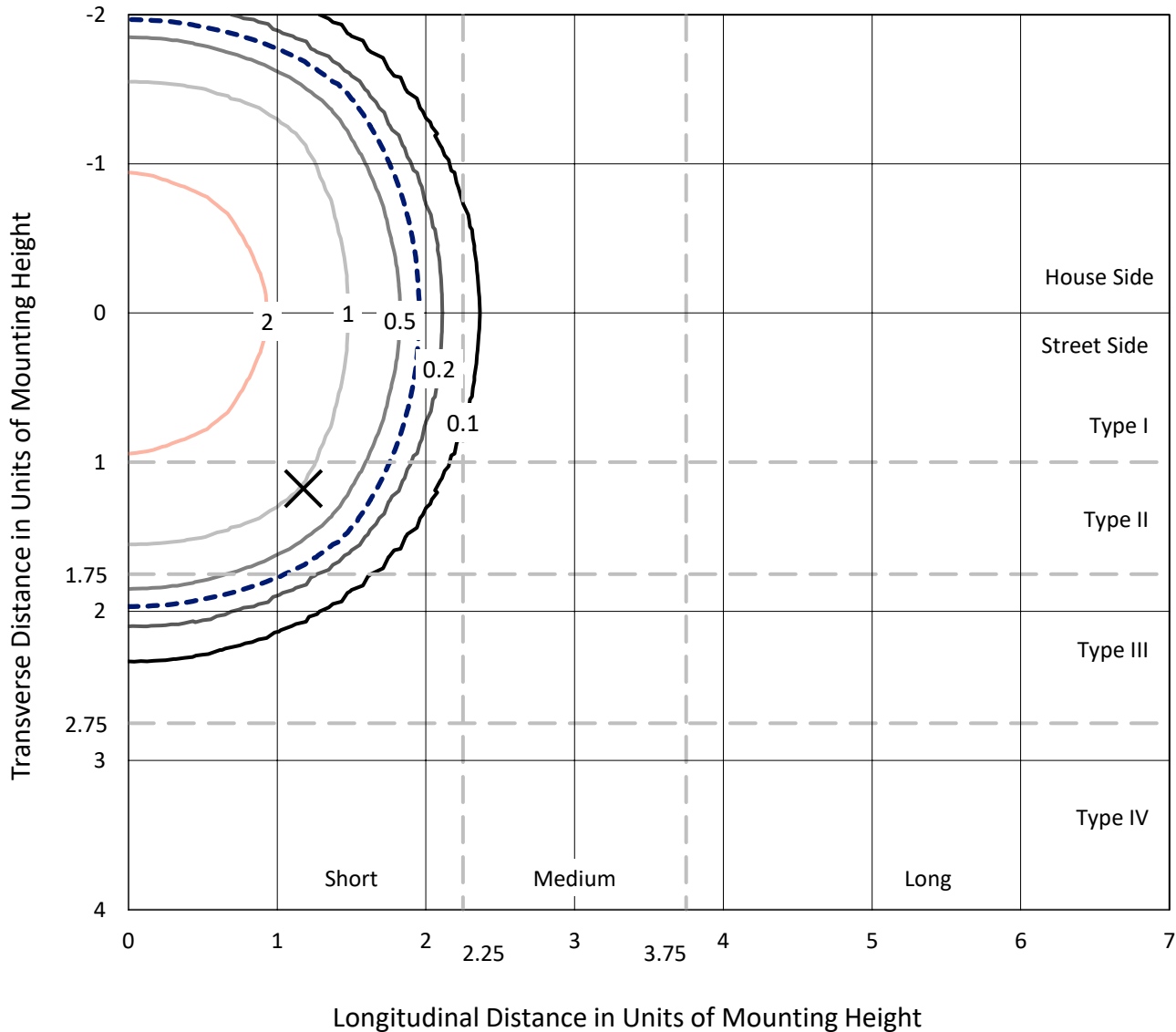
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

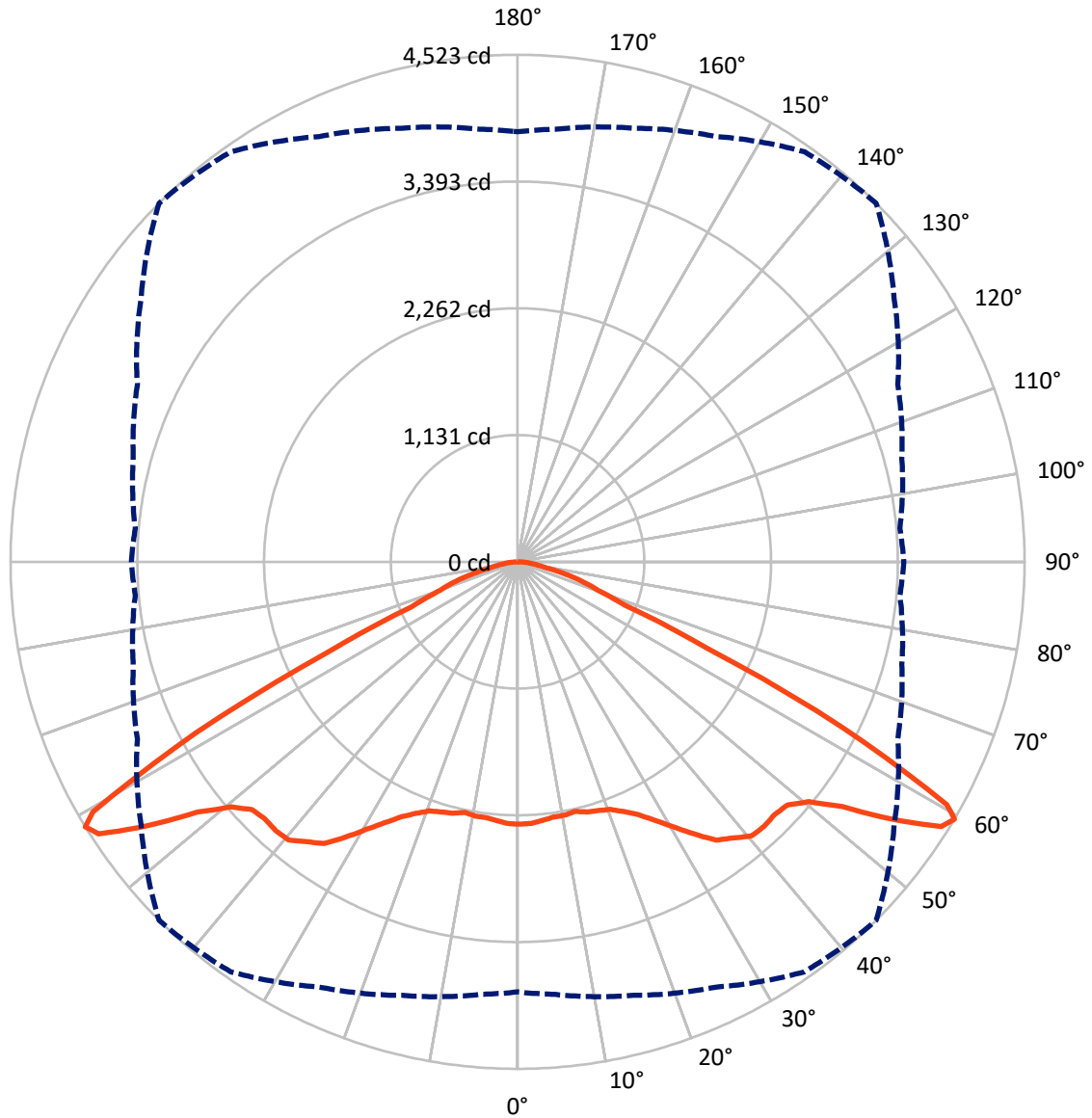
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 59-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6059.8	0.0	6059.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6059.8	0.0	6059.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12119.7	0.0	12119.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.7	1.8
10°-20°	656.3	5.4
20°-30°	1145.9	9.5
30°-40°	1830.1	15.1
40°-50°	2493.0	20.6
50°-60°	3371.2	27.8
60°-70°	1848.8	15.3
70°-80°	473.0	3.9
80°-90°	80.7	0.7
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°	12119.7	100.0
0°-180°	12119.7	100.0

**Coefficient of Utilization**



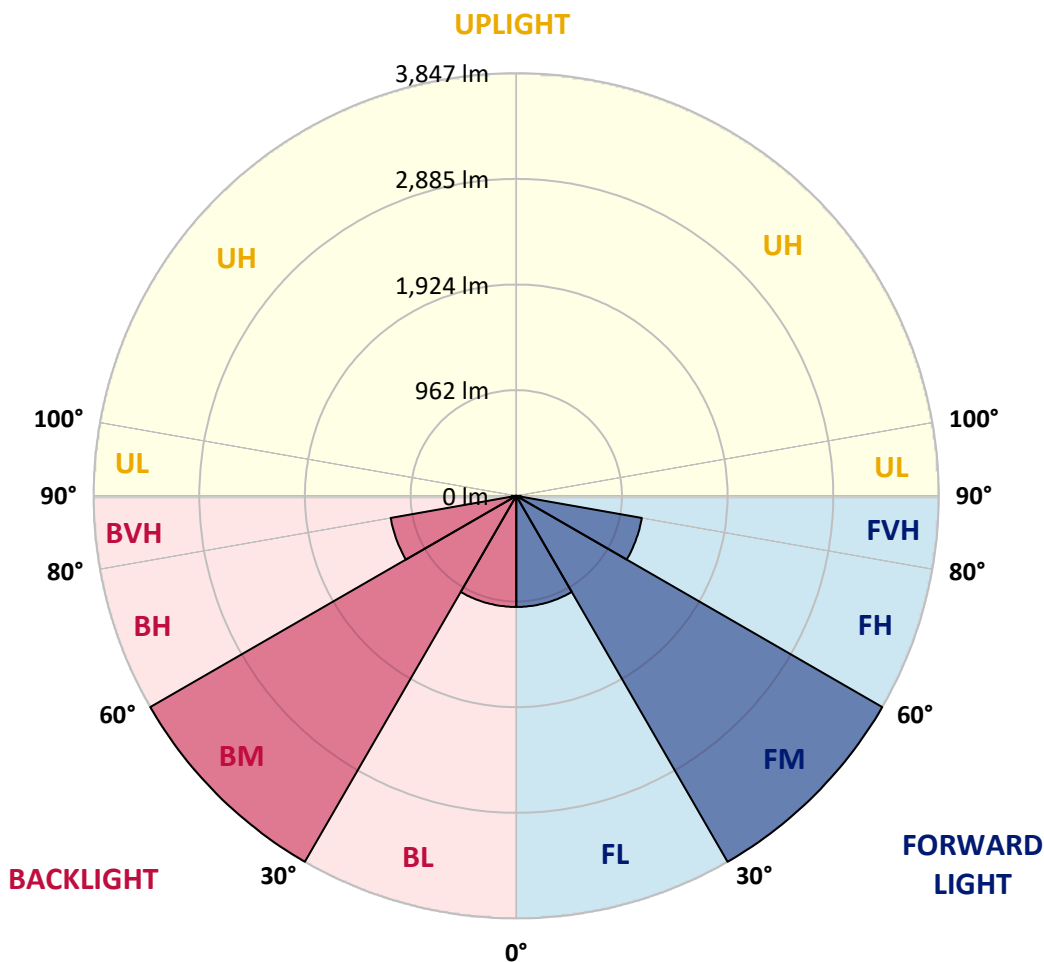
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1011.4	8.3			
FM (30°-60°)	3847.2	31.7			
FH (60°-80°)	1160.9	9.6			G1/1800
FVH (80°-90°)	40.3	0.3			G1/100
BL (0°-30°)	1011.4	8.3	B3/2500		
BM (30°-60°)	3847.2	31.7	B3/5000		
BH (60°-80°)	1160.9	9.6	B3/2500		G1/1800
BVH (80°-90°)	40.3	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°	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9	2340.9
2.5°	2327.0	2344.0	2331.6	2342.5	2340.9	2336.3	2328.5	2323.9	2317.6	2327.0	2311.4
5°	2317.6	2331.6	2345.6	2327.0	2327.0	2317.6	2313.0	2303.7	2303.7	2302.1	2300.6
7.5°	2333.2	2319.2	2313.0	2316.1	2319.2	2299.0	2313.0	2294.3	2278.8	2289.7	2302.1
10°	2319.2	2325.4	2302.1	2313.0	2295.9	2299.0	2289.7	2302.1	2285.0	2285.0	2285.0
12.5°	2333.2	2316.1	2323.9	2316.1	2311.4	2285.0	2297.4	2283.5	2281.9	2297.4	2283.5
15°	2361.1	2333.2	2327.0	2311.4	2316.1	2316.1	2303.7	2305.2	2288.1	2297.4	2300.6
17.5°	2351.8	2336.3	2331.6	2313.0	2328.5	2333.2	2309.9	2294.3	2305.2	2303.7	2302.1
20°	2359.6	2365.8	2361.1	2364.2	2370.4	2358.0	2336.3	2314.5	2300.6	2320.7	2319.2
22.5°	2409.3	2403.1	2400.0	2396.8	2407.7	2420.1	2390.6	2356.5	2356.5	2370.4	2376.7
25°	2449.7	2448.2	2446.6	2460.5	2497.9	2497.9	2460.5	2417.0	2406.2	2415.5	2407.7
27.5°	2508.7	2525.8	2519.6	2544.4	2598.8	2611.2	2561.5	2510.2	2480.8	2469.8	2483.8
30°	2643.9	2623.7	2628.3	2654.7	2702.9	2743.3	2667.1	2612.8	2572.4	2570.9	2577.1
32.5°	2733.9	2749.5	2763.4	2788.3	2864.4	2895.5	2803.8	2715.3	2690.4	2676.5	2681.1
35°	2914.1	2900.2	2897.1	2921.9	2998.0	3049.3	2934.3	2856.6	2824.1	2855.1	2855.1
37.5°	3085.0	3046.2	3016.7	3049.3	3119.2	3125.4	3027.5	2985.5	2968.5	3004.2	3002.7
40°	3165.8	3162.7	3094.3	3113.0	3206.1	3215.5	3123.8	3074.1	3071.0	3117.6	3164.3
42.5°	3249.6	3220.2	3151.8	3164.3	3221.7	3224.8	3137.9	3123.8	3158.0	3203.0	3206.1
45°	3263.7	3238.8	3195.3	3164.3	3206.1	3215.5	3164.3	3173.5	3176.6	3231.0	3231.0
47.5°	3291.6	3288.5	3263.7	3240.4	3248.1	3240.4	3207.7	3221.7	3268.3	3294.7	3282.3
50°	3369.3	3336.7	3361.5	3341.3	3342.9	3364.6	3335.1	3349.1	3339.8	3316.5	3300.9
52.5°	3540.1	3524.6	3546.3	3560.4	3575.8	3625.6	3591.4	3516.8	3446.9	3384.8	3383.3
55°	3790.2	3801.2	3843.0	3914.5	3975.1	4054.3	3889.6	3711.0	3599.1	3501.3	3507.6
57.5°	4026.4	4018.6	4076.1	4239.1	4416.3	4456.6	4133.5	3878.8	3697.0	3634.9	3608.5
59°	3836.8	3874.2	4004.6	4186.3	4464.4	4523.4	4100.9	3742.1	3549.4	3423.6	3445.4
60°	3538.6	3552.6	3669.1	3922.3	4298.2	4399.2	3881.9	3530.9	3274.5	3201.5	3234.1
62.5°	2501.0	2490.0	2574.0	2780.5	3117.6	3254.3	2886.1	2639.2	2477.7	2396.8	2415.5
65°	1329.7	1379.4	1413.6	1542.5	1721.1	1865.6	1713.4	1606.2	1516.1	1449.3	1447.8
67.5°	897.9	891.6	899.4	928.9	989.5	1029.9	1026.8	972.4	964.6	952.2	966.2
70°	756.5	753.4	739.4	739.4	751.9	761.2	772.0	778.3	790.7	806.2	804.7
72.5°	613.6	605.9	596.5	591.8	607.4	612.0	626.0	632.3	643.1	641.5	655.6
75°	405.4	405.4	416.3	428.7	433.4	442.7	444.3	462.9	462.9	466.0	453.6
77.5°	226.8	220.6	228.3	240.8	251.6	268.7	285.9	299.8	307.6	304.4	304.4
80°	132.0	132.0	139.8	153.8	167.8	183.3	195.7	206.6	214.4	211.3	205.0
82.5°	82.3	82.3	90.1	104.1	115.0	124.3	141.4	155.3	164.7	161.6	153.8
85°	42.0	42.0	51.3	60.6	74.6	80.7	79.2	73.0	71.5	63.7	63.7
87.5°	10.8	10.8	15.6	17.1	14.0	15.6	15.6	15.6	15.6	15.6	17.1
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)