

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: P652262

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
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-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12867.3 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

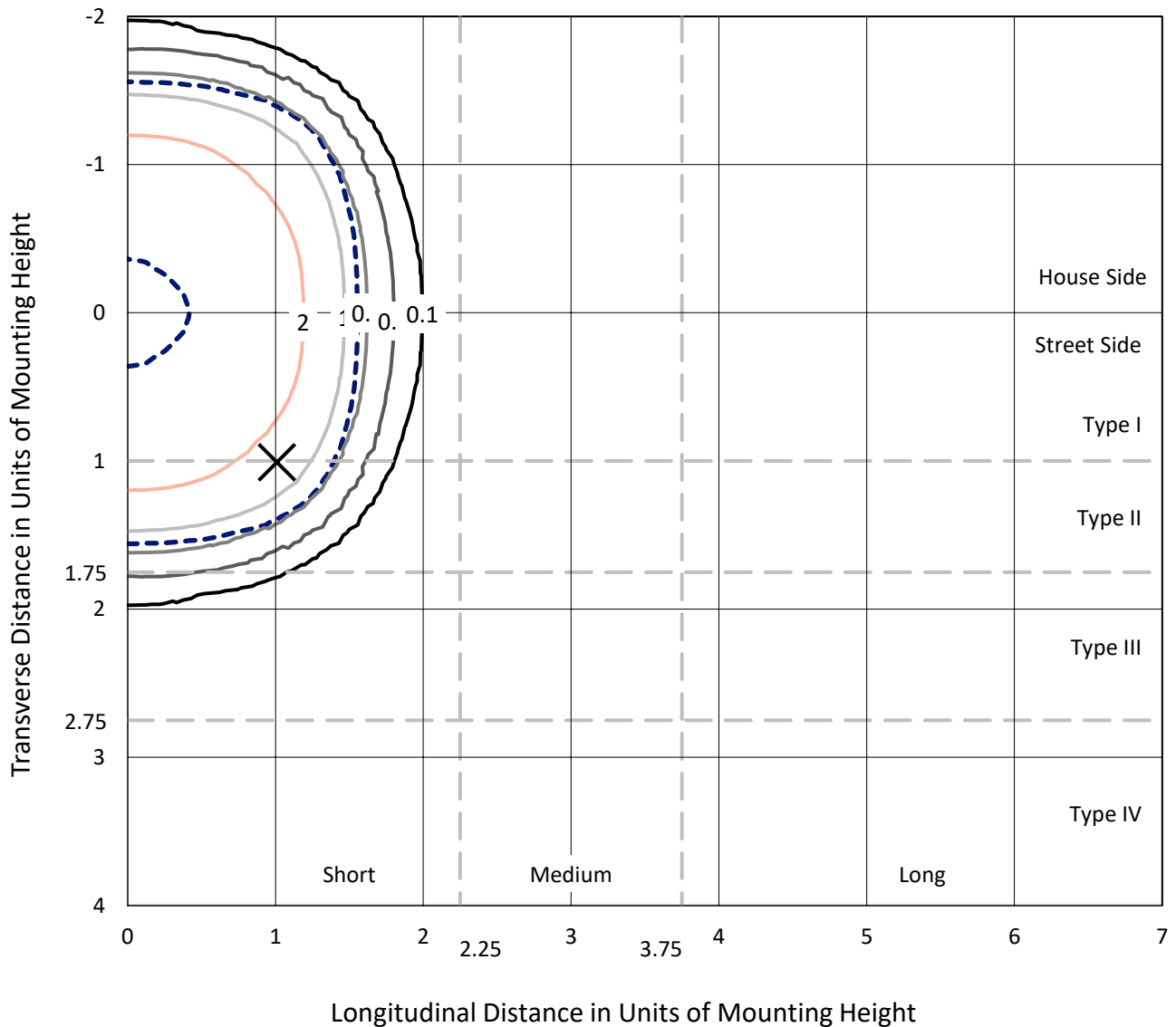
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

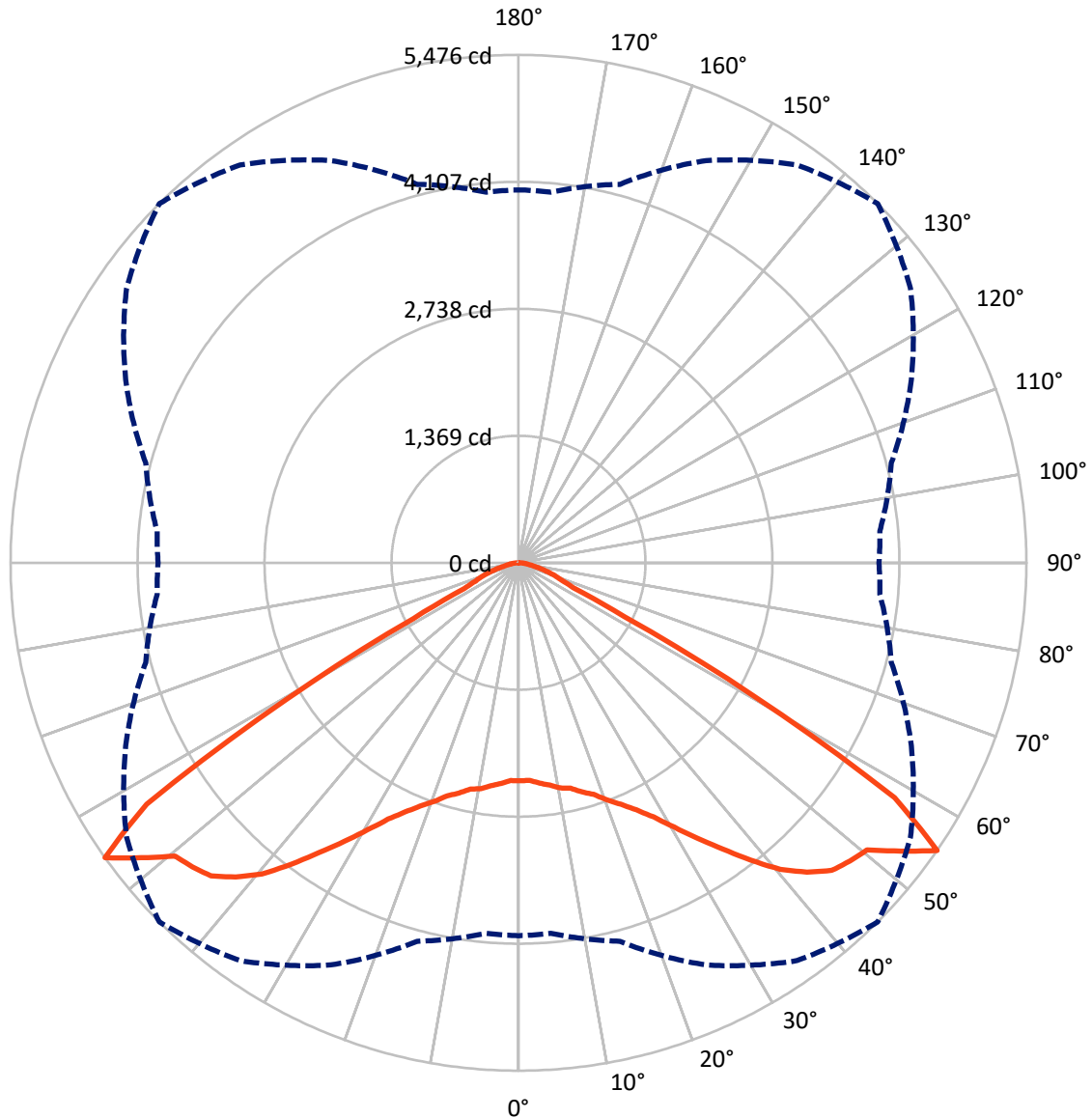
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6433.7	0.0	6433.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6433.7	0.0	6433.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12867.3	0.0	12867.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.5	1.8
10°-20°	727.2	5.7
20°-30°	1356.0	10.5
30°-40°	2270.4	17.6
40°-50°	3532.9	27.5
50°-60°	3668.3	28.5
60°-70°	777.9	6.0
70°-80°	256.2	2.0
80°-90°	48.8	0.4
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°	12867.3	100.0
0°-180°	12867.3	100.0

**Coefficient of Utilization**



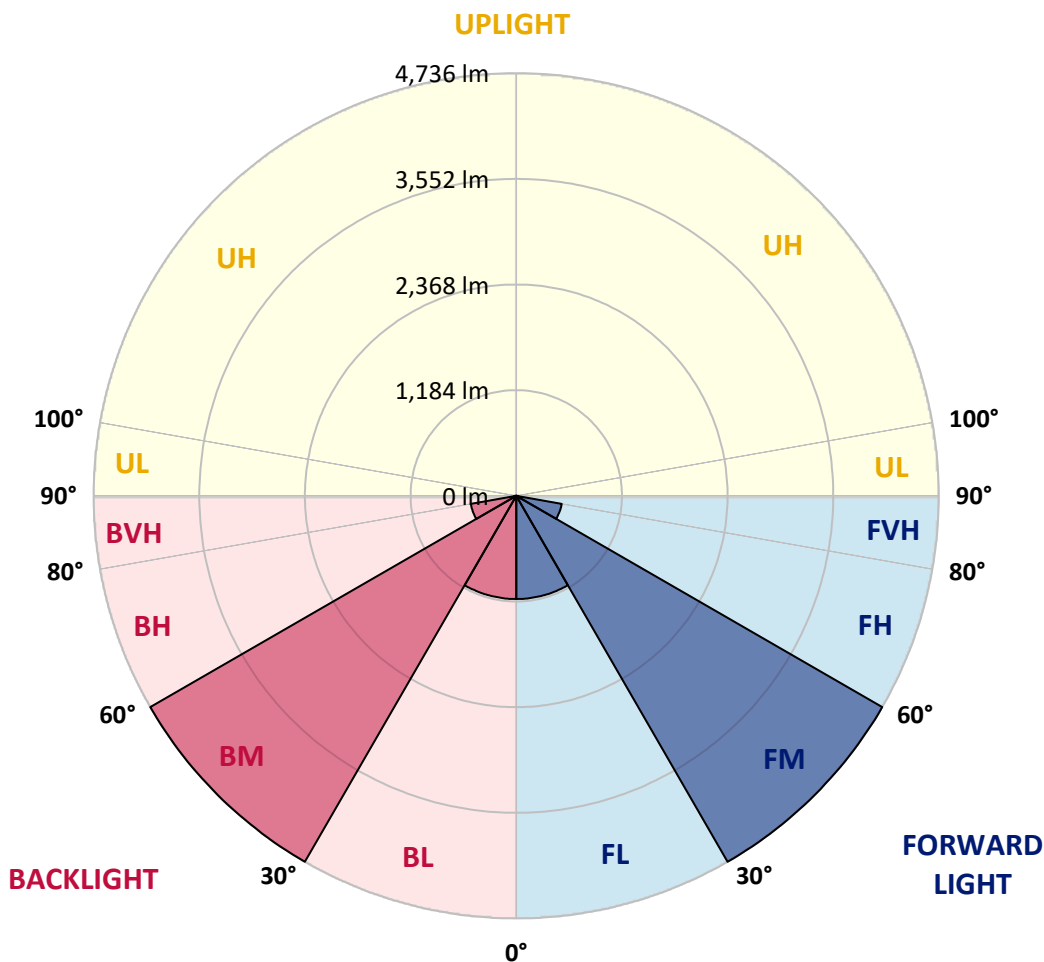
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1156.4	9.0			
FM (30°-60°)	4735.8	36.8			
FH (60°-80°)	517.1	4.0			G0/660
FVH (80°-90°)	24.4	0.2			G1/100
BL (0°-30°)	1156.4	9.0	B3/2500		
BM (30°-60°)	4735.8	36.8	B3/5000		
BH (60°-80°)	517.1	4.0	B2/1000		G0/660
BVH (80°-90°)	24.4	0.2			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°	2349.4	2349.4	2349.4	2349.4	2349.4	2349.4	2349.4	2349.4	2349.4	2349.4	2349.4
2.5°	2377.3	2366.5	2347.8	2361.8	2372.7	2349.4	2358.7	2363.4	2360.3	2347.8	2352.4
5°	2411.6	2405.3	2389.8	2400.7	2386.7	2386.7	2377.3	2364.9	2383.6	2380.5	2388.3
7.5°	2411.6	2403.8	2434.9	2414.7	2420.9	2420.9	2405.3	2392.9	2402.2	2388.3	2380.5
10°	2459.8	2470.7	2456.6	2461.4	2458.2	2469.1	2445.8	2438.0	2430.2	2425.5	2416.3
12.5°	2517.3	2509.5	2514.2	2511.1	2522.0	2494.0	2480.0	2462.9	2476.9	2456.6	2470.7
15°	2564.0	2559.2	2564.0	2576.4	2565.5	2564.0	2539.1	2522.0	2500.2	2504.8	2483.1
17.5°	2627.7	2623.0	2624.6	2635.4	2633.9	2626.1	2607.5	2574.8	2567.1	2554.6	2540.7
20°	2722.6	2714.7	2711.6	2716.3	2724.1	2730.3	2693.0	2680.5	2654.1	2633.9	2610.6
22.5°	2803.4	2800.3	2812.7	2792.5	2809.6	2828.3	2792.5	2786.3	2721.0	2710.1	2685.2
25°	2915.3	2910.7	2902.9	2932.5	2952.7	2951.1	2916.9	2882.7	2832.9	2820.5	2820.5
27.5°	3033.5	3007.1	3047.5	3055.3	3091.0	3101.9	3072.3	3022.6	2976.0	2949.6	2955.8
30°	3181.3	3156.4	3165.7	3221.6	3268.3	3308.7	3234.1	3161.0	3095.7	3049.0	3041.3
32.5°	3328.9	3304.0	3332.0	3386.5	3479.7	3540.4	3467.3	3339.8	3263.7	3195.2	3209.2
35°	3448.7	3467.3	3512.4	3594.8	3691.2	3789.1	3672.6	3574.6	3465.8	3389.6	3400.4
37.5°	3641.4	3699.0	3734.7	3829.6	3966.4	4067.5	3946.2	3818.7	3702.1	3602.6	3568.4
40°	3893.3	3932.2	3972.6	4084.6	4246.3	4347.4	4232.3	4065.9	3950.8	3848.2	3843.6
42.5°	4170.1	4207.4	4249.4	4386.2	4482.6	4558.8	4453.1	4364.5	4237.0	4156.1	4151.4
45°	4491.9	4465.5	4512.1	4602.4	4683.2	4733.0	4664.5	4621.0	4529.3	4454.6	4446.9
47.5°	4706.5	4683.2	4767.2	4848.0	4860.5	4806.1	4820.0	4860.5	4764.1	4641.2	4680.1
50°	4831.0	4831.0	4886.9	4961.6	4938.2	4868.2	4978.6	4981.7	4885.4	4776.5	4776.5
52.5°	4614.8	4663.0	4821.6	5065.7	5143.5	5163.7	5138.8	5033.0	4781.2	4558.8	4548.0
55°	4020.8	4010.0	4224.5	4784.3	5236.7	5476.2	5159.0	4672.3	4160.8	3910.5	3885.6
57.5°	2615.3	2627.7	2948.0	3518.7	4334.9	4781.2	4246.3	3562.1	2948.0	2602.8	2635.4
60°	1177.0	1219.0	1413.4	1839.4	2540.7	2904.5	2546.9	1932.7	1483.4	1287.4	1304.6
62.5°	676.3	684.2	691.9	821.0	1082.2	1279.7	1124.2	867.6	765.0	730.7	730.7
65°	570.6	566.0	567.5	578.4	606.4	646.8	629.7	606.4	609.5	606.4	601.7
67.5°	485.1	491.3	486.7	494.4	496.0	502.2	513.1	522.4	523.9	527.1	523.9
70°	398.0	399.6	402.7	408.9	410.5	415.1	430.7	438.5	443.1	443.1	449.3
72.5°	304.8	303.2	306.3	312.5	320.3	321.9	335.8	346.7	353.0	345.1	346.7
75°	200.6	202.1	206.8	211.4	222.4	233.2	237.9	248.8	250.4	253.5	245.7
77.5°	119.8	122.9	127.5	136.8	146.2	155.5	166.3	174.2	177.3	174.2	164.8
80°	77.7	77.7	83.9	91.8	102.6	110.4	116.6	122.9	127.5	122.9	119.8
82.5°	48.2	48.2	56.0	65.3	73.1	77.7	87.0	94.9	99.5	96.4	91.8
85°	24.9	26.4	32.6	40.5	46.7	49.8	48.2	43.6	38.9	37.3	34.2
87.5°	7.7	7.7	9.3	9.3	7.7	7.7	9.3	7.7	9.3	9.3	9.3
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)