

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: P648302

Luminaire Tested: **GALN-SA3B-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648302  
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-835-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 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: 11979.9 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

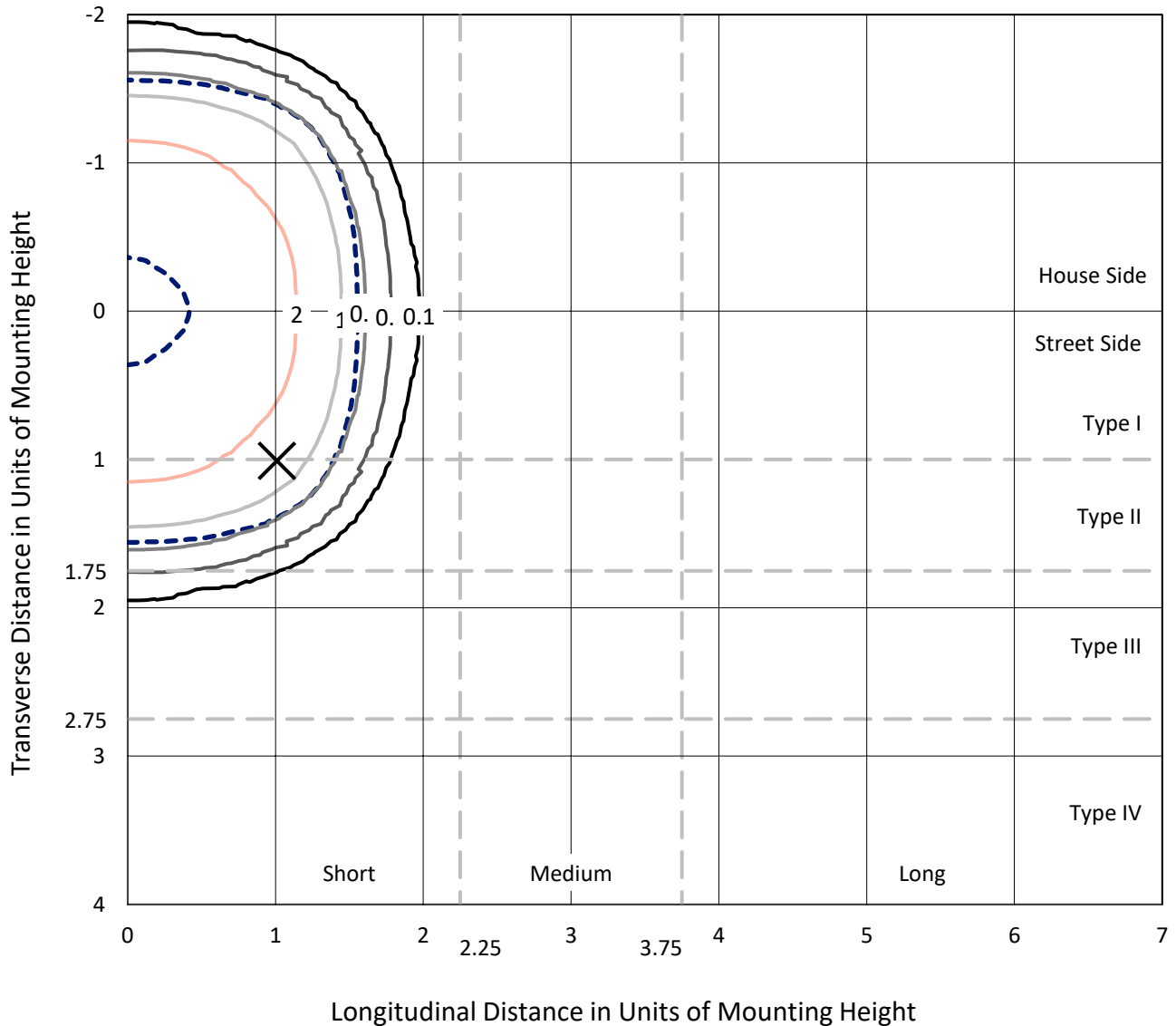
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

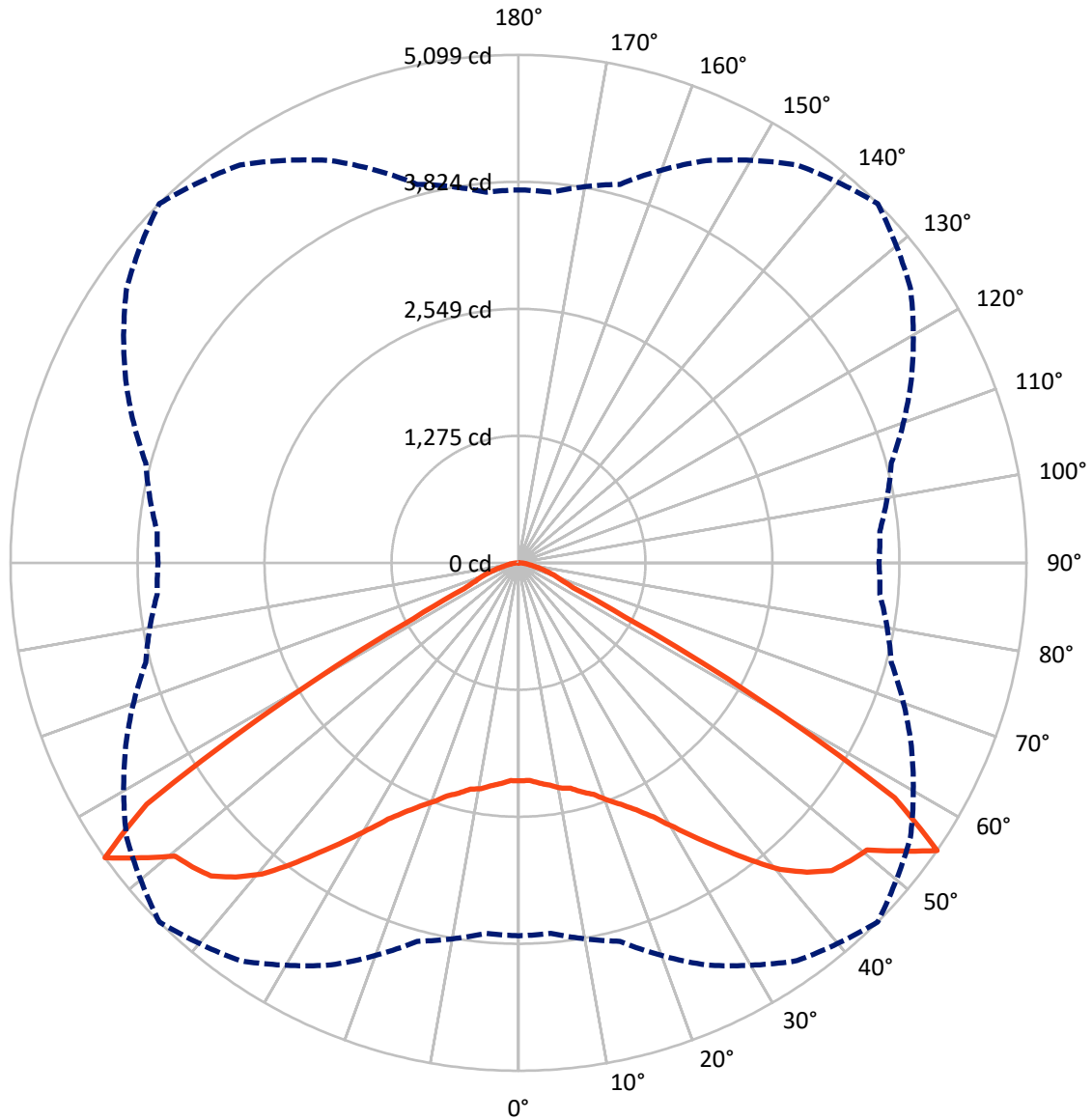
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	5989.9	0.0	5989.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5989.9	0.0	5989.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11979.9	0.0	11979.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.7	1.8
10°-20°	677.1	5.7
20°-30°	1262.5	10.5
30°-40°	2113.8	17.6
40°-50°	3289.3	27.5
50°-60°	3415.3	28.5
60°-70°	724.3	6.0
70°-80°	238.5	2.0
80°-90°	45.4	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°	11979.9	100.0
0°-180°	11979.9	100.0

**Coefficient of Utilization**



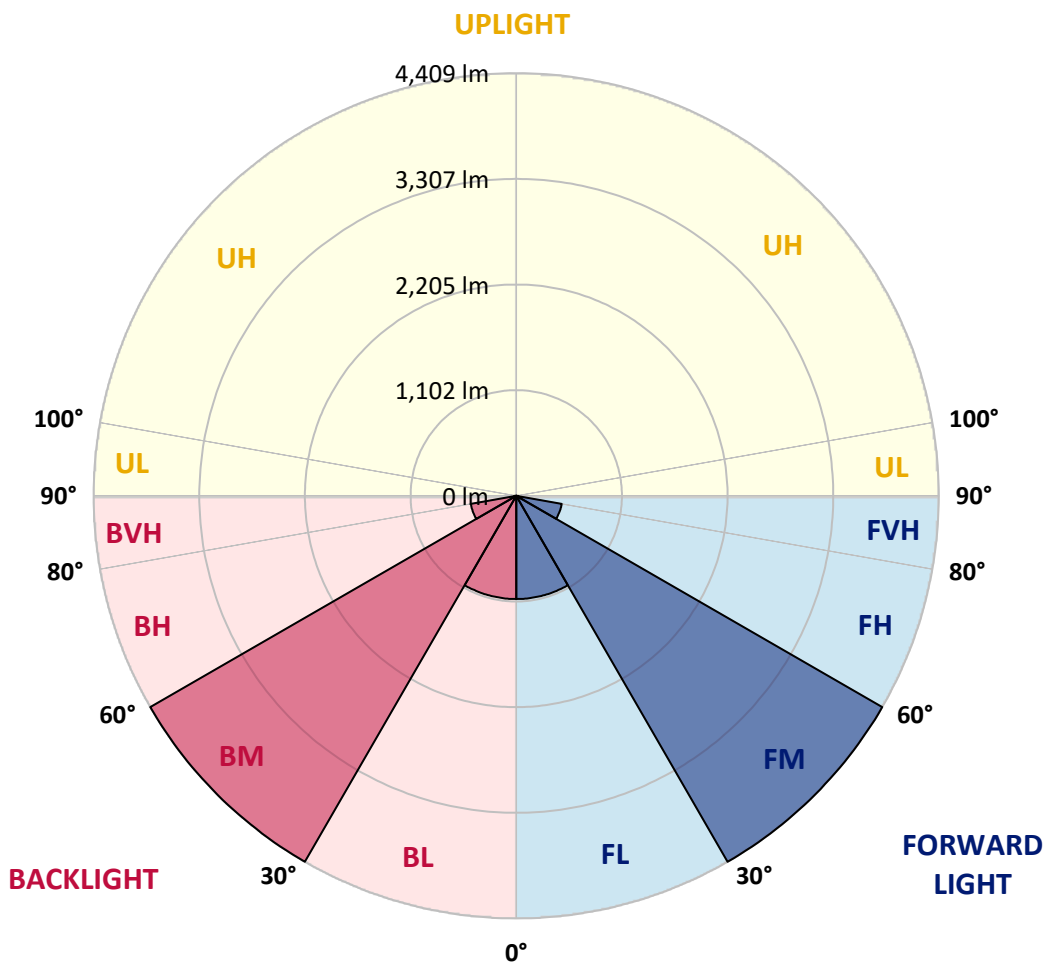
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1076.6	9.0			
FM (30°-60°)	4409.2	36.8			
FH (60°-80°)	481.4	4.0			G0/660
FVH (80°-90°)	22.7	0.2			G1/100
BL (0°-30°)	1076.6	9.0	B3/2500		
BM (30°-60°)	4409.2	36.8	B3/5000		
BH (60°-80°)	481.4	4.0	B1/500		G0/660
BVH (80°-90°)	22.7	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°	2187.4	2187.4	2187.4	2187.4	2187.4	2187.4	2187.4	2187.4	2187.4	2187.4	2187.4
2.5°	2213.4	2203.3	2185.9	2198.9	2209.1	2187.4	2196.0	2200.4	2197.5	2185.9	2190.2
5°	2245.3	2239.5	2225.0	2235.2	2222.1	2222.1	2213.4	2201.8	2219.2	2216.3	2223.6
7.5°	2245.3	2238.0	2266.9	2248.1	2253.9	2253.9	2239.5	2227.9	2236.6	2223.6	2216.3
10°	2290.1	2300.3	2287.2	2291.6	2288.7	2298.8	2277.1	2269.8	2262.6	2258.3	2249.6
12.5°	2343.7	2336.5	2340.8	2337.9	2348.1	2322.0	2309.0	2293.0	2306.1	2287.2	2300.3
15°	2387.1	2382.7	2387.1	2398.7	2388.5	2387.1	2364.0	2348.1	2327.8	2332.1	2311.8
17.5°	2446.5	2442.1	2443.6	2453.7	2452.3	2445.0	2427.7	2397.2	2390.0	2378.4	2365.4
20°	2534.8	2527.5	2524.6	2529.0	2536.2	2542.0	2507.2	2495.7	2471.1	2452.3	2430.6
22.5°	2610.1	2607.2	2618.7	2600.0	2615.8	2633.2	2600.0	2594.2	2533.3	2523.2	2500.0
25°	2714.3	2710.0	2702.7	2730.2	2749.0	2747.5	2715.8	2683.9	2637.5	2625.9	2625.9
27.5°	2824.3	2799.7	2837.4	2844.6	2877.8	2888.0	2860.5	2814.2	2770.7	2746.1	2751.9
30°	2961.9	2938.7	2947.4	2999.4	3042.9	3080.6	3011.0	2943.0	2882.2	2838.8	2831.6
32.5°	3099.3	3076.2	3102.2	3152.9	3239.7	3296.2	3228.2	3109.4	3038.6	2974.9	2987.8
35°	3210.8	3228.2	3270.2	3346.9	3436.7	3527.8	3419.3	3328.1	3226.7	3155.8	3165.9
37.5°	3390.3	3443.9	3477.1	3565.5	3692.9	3787.0	3674.1	3555.4	3446.8	3354.1	3322.3
40°	3624.8	3661.0	3698.7	3802.9	3953.4	4047.6	3940.4	3785.5	3678.4	3582.9	3578.5
42.5°	3882.5	3917.3	3956.3	4083.7	4173.5	4244.4	4146.0	4063.5	3944.8	3869.5	3865.1
45°	4182.2	4157.6	4201.0	4285.0	4360.2	4406.6	4342.8	4302.4	4216.9	4147.4	4140.2
47.5°	4381.9	4360.2	4438.4	4513.7	4525.3	4474.6	4487.6	4525.3	4435.5	4321.1	4357.3
50°	4497.8	4497.8	4549.9	4619.4	4597.6	4532.5	4635.3	4638.2	4548.4	4447.0	4447.0
52.5°	4296.6	4341.4	4489.1	4716.3	4788.7	4807.5	4784.4	4685.9	4451.4	4244.4	4234.3
55°	3743.5	3733.4	3933.2	4454.3	4875.6	5098.5	4803.2	4350.1	3873.8	3640.8	3617.6
57.5°	2434.9	2446.5	2744.6	3276.0	4036.0	4451.4	3953.4	3316.5	2744.6	2423.3	2453.7
60°	1095.8	1135.0	1315.9	1712.5	2365.4	2704.2	2371.2	1799.4	1381.1	1198.6	1214.6
62.5°	629.7	637.0	644.2	764.4	1007.6	1191.4	1046.6	807.7	712.2	680.3	680.3
65°	531.3	527.0	528.4	538.5	564.5	602.2	586.3	564.5	567.4	564.5	560.2
67.5°	451.6	457.4	453.1	460.3	461.8	467.6	477.7	486.4	487.8	490.7	487.8
70°	370.6	372.0	374.9	380.7	382.2	386.5	401.0	408.3	412.6	412.6	418.4
72.5°	283.8	282.3	285.2	291.0	298.2	299.7	312.7	322.8	328.6	321.3	322.8
75°	186.7	188.2	192.5	196.8	207.0	217.1	221.5	231.6	233.1	236.0	228.7
77.5°	111.5	114.4	118.7	127.4	136.1	144.8	154.9	162.2	165.1	162.2	153.5
80°	72.3	72.3	78.1	85.4	95.5	102.8	108.6	114.4	118.7	114.4	111.5
82.5°	44.9	44.9	52.1	60.8	68.0	72.3	81.0	88.3	92.6	89.7	85.4
85°	23.2	24.6	30.4	37.7	43.5	46.4	44.9	40.6	36.2	34.8	31.9
87.5°	7.2	7.2	8.7	8.7	7.2	7.2	8.7	7.2	8.7	8.7	8.7
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)