

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: P646847

Luminaire Tested: **GALN-SA3C-835-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P646847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-835-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16403.9 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

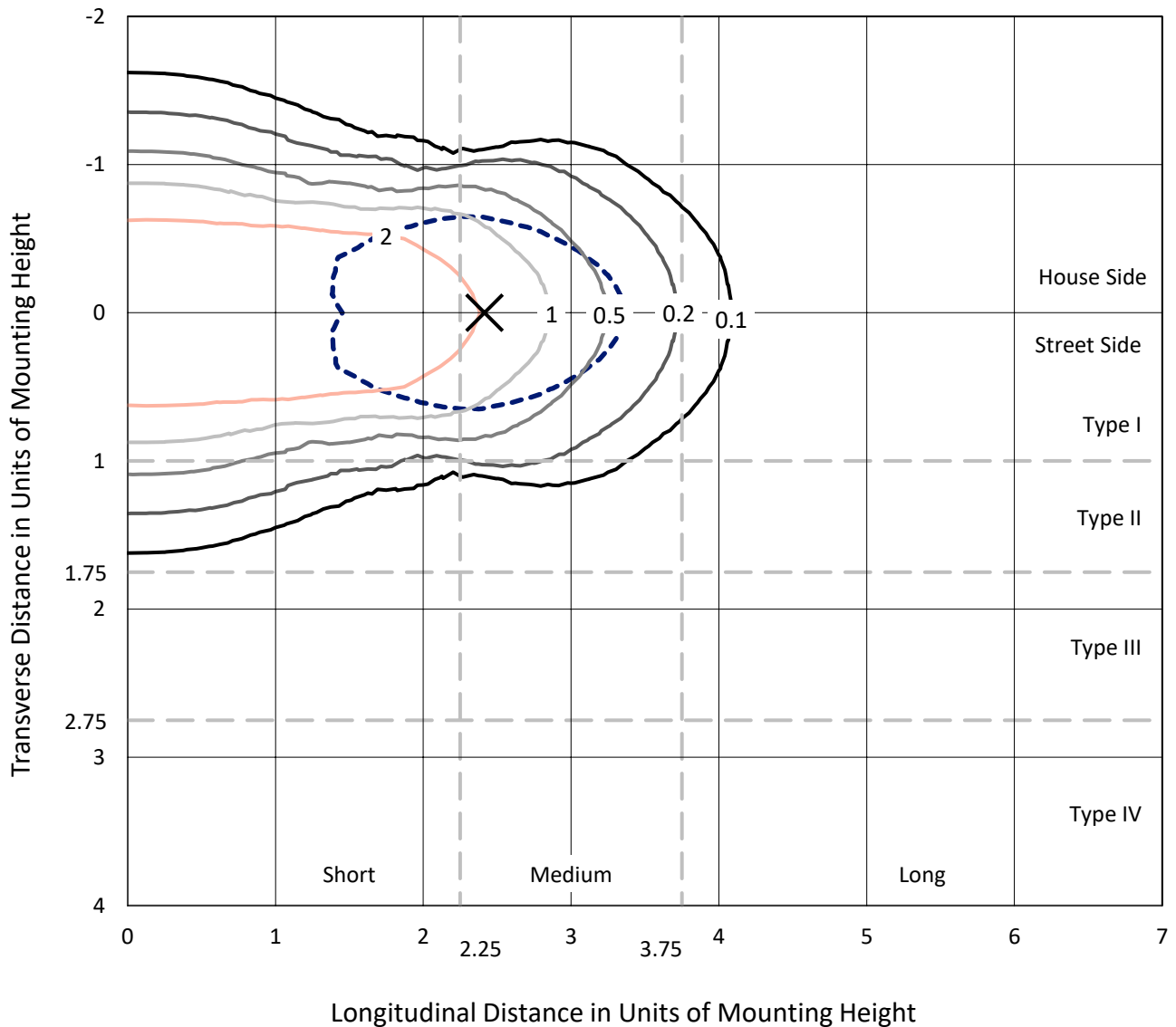
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

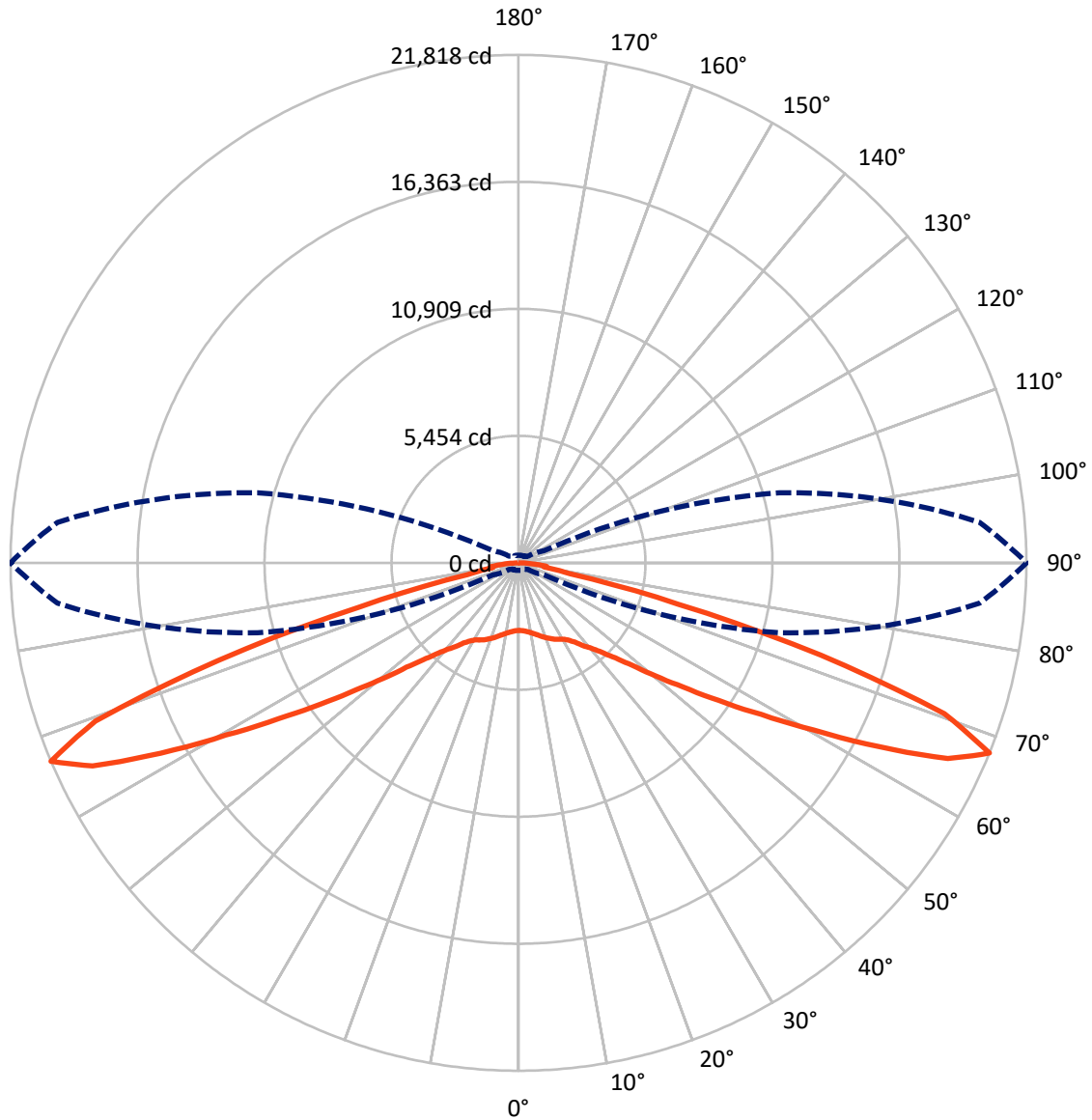
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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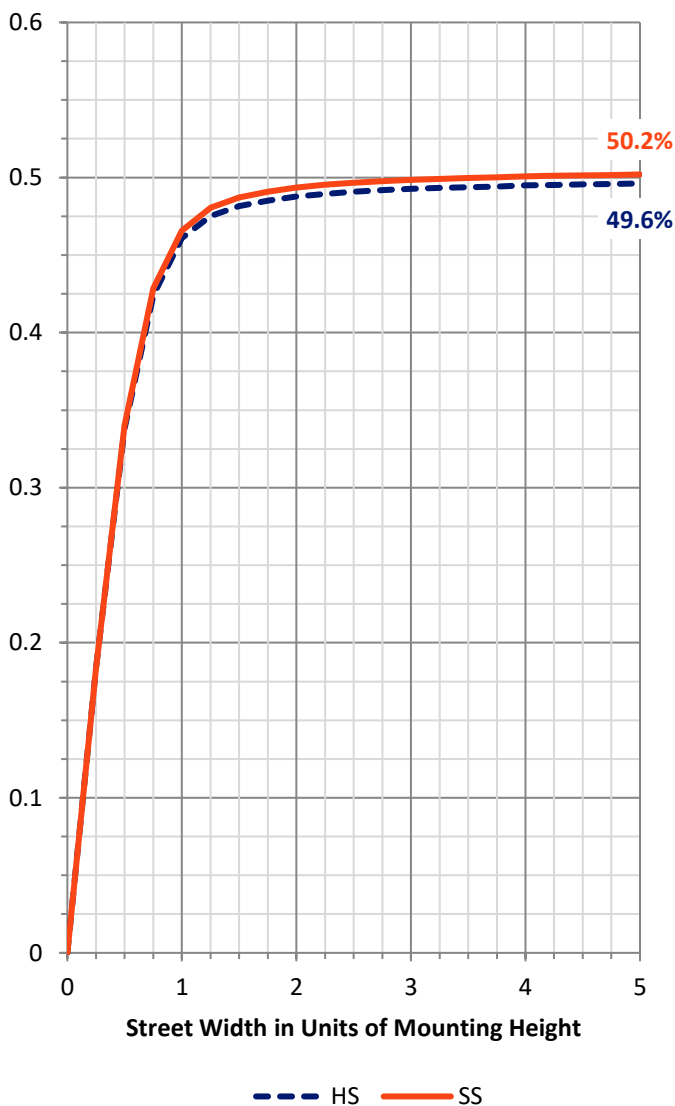
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8201.9	0.0	8201.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8201.9	0.0	8201.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16403.9	0.0	16403.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.5	1.8
10°-20°	926.3	5.6
20°-30°	1550.4	9.5
30°-40°	2100.4	12.8
40°-50°	2660.6	16.2
50°-60°	3323.7	20.3
60°-70°	3906.9	23.8
70°-80°	1494.6	9.1
80°-90°	151.4	0.9
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°	16403.9	100.0
0°-180°	16403.9	100.0

**Coefficient of Utilization**



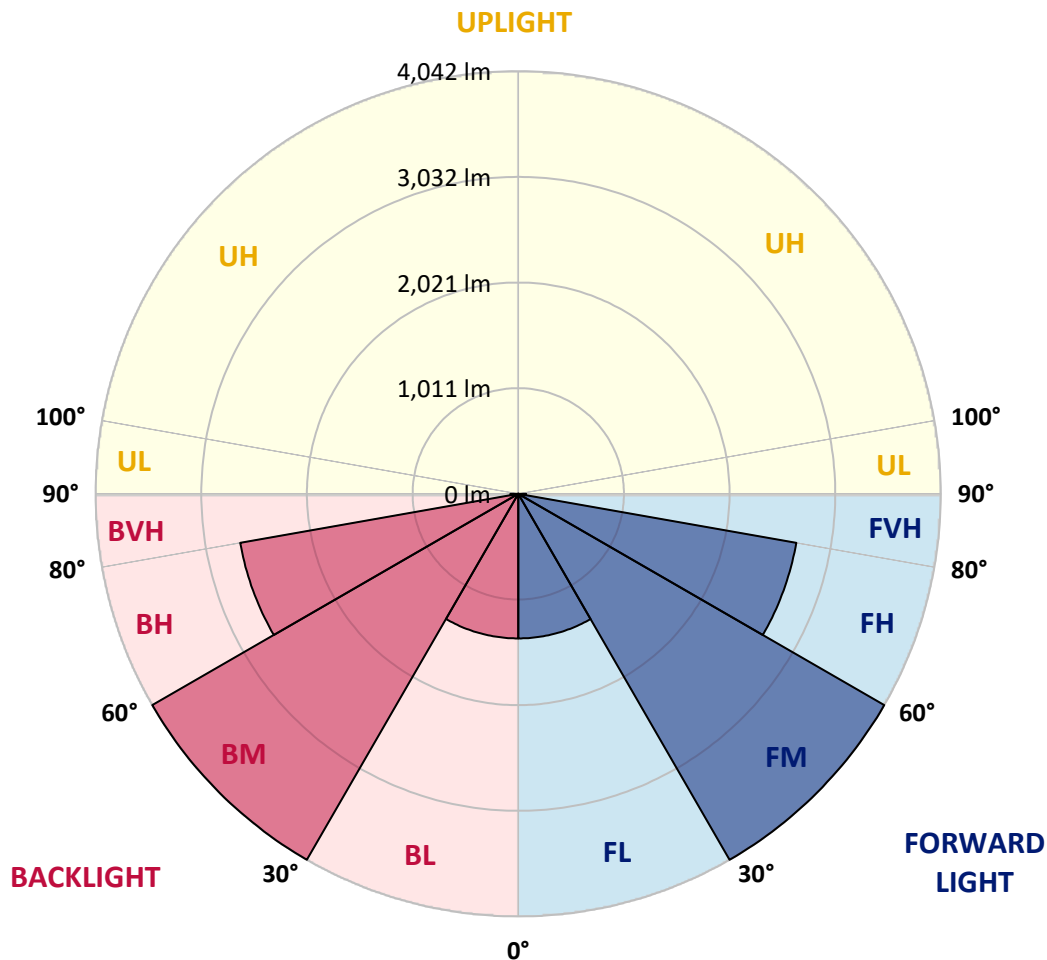
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1383.2	8.4			
FM (30°-60°)	4042.4	24.6			
FH (60°-80°)	2700.7	16.5			G2/5000
FVH (80°-90°)	75.7	0.5			G1/100
BL (0°-30°)	1383.2	8.4	B3/2500		
BM (30°-60°)	4042.4	24.6	B3/5000		
BH (60°-80°)	2700.7	16.5	B4/5000		G4/5000
BVH (80°-90°)	75.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2904.0	2904.0	2904.0	2904.0	2904.0	2904.0	2904.0	2904.0	2904.0	2904.0	2904.0
2.5°	2941.3	2939.4	2940.3	2939.4	2942.1	2940.3	2929.4	2920.4	2913.1	2914.0	2911.3
5°	3003.9	3004.8	3005.7	3001.2	3007.6	3003.9	2986.7	2972.1	2957.5	2952.1	2950.3
7.5°	3055.7	3060.2	3062.9	3067.5	3078.4	3078.4	3069.3	3048.5	3016.7	2998.5	2997.6
10°	3107.5	3111.1	3119.2	3133.8	3152.0	3169.2	3165.6	3137.4	3096.5	3065.7	3058.4
12.5°	3125.7	3130.2	3157.4	3199.2	3240.1	3273.7	3273.7	3251.0	3198.3	3151.0	3137.4
15°	3062.1	3070.2	3119.2	3208.3	3315.5	3389.1	3405.4	3373.6	3317.3	3244.6	3228.3
17.5°	2935.8	2955.7	3027.5	3159.2	3337.3	3489.9	3537.1	3521.7	3449.0	3356.3	3337.3
20°	2800.5	2822.2	2898.5	3073.0	3319.1	3548.9	3686.1	3689.7	3599.8	3465.3	3437.2
22.5°	2651.5	2667.8	2765.9	2970.3	3264.6	3562.6	3814.1	3876.9	3755.1	3574.3	3534.4
25°	2484.3	2502.5	2605.1	2825.8	3162.0	3547.1	3931.4	4069.4	3917.7	3690.6	3639.8
27.5°	2324.5	2331.7	2441.6	2666.0	3026.6	3507.1	4017.7	4246.5	4097.6	3786.9	3722.4
30°	2170.9	2188.3	2285.4	2507.0	2871.3	3429.0	4092.1	4448.2	4291.1	3887.8	3805.1
32.5°	2008.4	2029.2	2134.6	2358.9	2716.0	3311.9	4137.5	4669.0	4560.8	4051.2	3963.2
35°	1852.1	1865.7	1972.1	2190.1	2564.2	3175.6	4145.7	4917.8	4908.7	4299.2	4182.0
37.5°	1692.2	1712.3	1819.5	2028.4	2403.5	3031.1	4104.8	5182.1	5328.4	4643.5	4517.2
40°	1538.8	1556.0	1661.4	1872.1	2220.9	2855.0	4007.6	5423.8	5818.0	4997.7	4818.8
42.5°	1371.6	1376.1	1491.5	1705.8	2042.0	2650.5	3867.8	5639.0	6363.9	5472.8	5250.2
45°	1181.8	1193.6	1300.7	1511.5	1836.7	2421.7	3677.9	5817.1	7056.1	6131.4	5827.9
47.5°	991.9	1001.9	1100.0	1308.0	1612.4	2159.1	3385.4	5973.3	7766.4	6967.9	6570.1
50°	806.6	812.0	892.0	1076.4	1359.8	1883.0	3023.0	6023.2	8569.4	8152.4	7644.7
52.5°	637.7	645.8	706.7	851.1	1090.0	1556.9	2631.5	5899.7	9506.8	9556.7	8840.9
55°	516.9	519.6	565.0	671.3	852.1	1215.4	2159.1	5555.5	10515.1	11356.2	10443.3
57.5°	445.1	446.9	472.3	531.4	655.8	916.5	1675.0	4904.2	11420.7	13464.5	12290.9
60°	404.2	405.1	419.7	454.1	519.6	703.1	1199.9	3984.9	12314.5	15810.7	14587.2
62.5°	378.8	378.8	388.8	407.9	439.7	539.6	869.3	2874.9	12926.7	18191.5	17417.6
65°	354.2	354.2	361.5	375.1	392.4	441.5	642.2	1874.8	12911.3	19925.5	20264.4
67.5°	326.1	326.1	331.5	345.1	355.2	379.7	496.0	1228.1	11597.8	19887.4	21817.7
70°	292.5	292.5	299.7	311.6	319.8	335.2	391.5	840.2	8520.3	16980.7	19403.2
72.5°	258.9	259.8	264.3	276.2	282.5	291.6	325.2	588.6	5226.6	11562.4	13567.1
75°	221.7	223.5	228.0	239.8	245.2	248.9	274.3	419.7	2644.2	6234.0	7097.8
77.5°	178.9	182.6	185.3	198.0	201.6	207.1	226.2	303.4	1160.9	2240.0	2260.0
80°	130.8	135.4	143.5	155.3	158.1	161.7	172.6	215.2	525.9	1022.8	1110.9
82.5°	96.3	102.7	92.6	108.1	108.1	103.6	121.8	144.5	241.6	1012.8	1211.8
85°	52.7	53.6	48.2	55.4	59.0	58.1	64.5	70.9	117.2	675.8	696.7
87.5°	12.7	13.6	14.6	17.2	20.9	20.9	22.7	20.0	38.1	218.9	125.4
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)