

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: P941073

Luminaire Tested: **GALN-SB4B-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941073  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4B-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16178 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

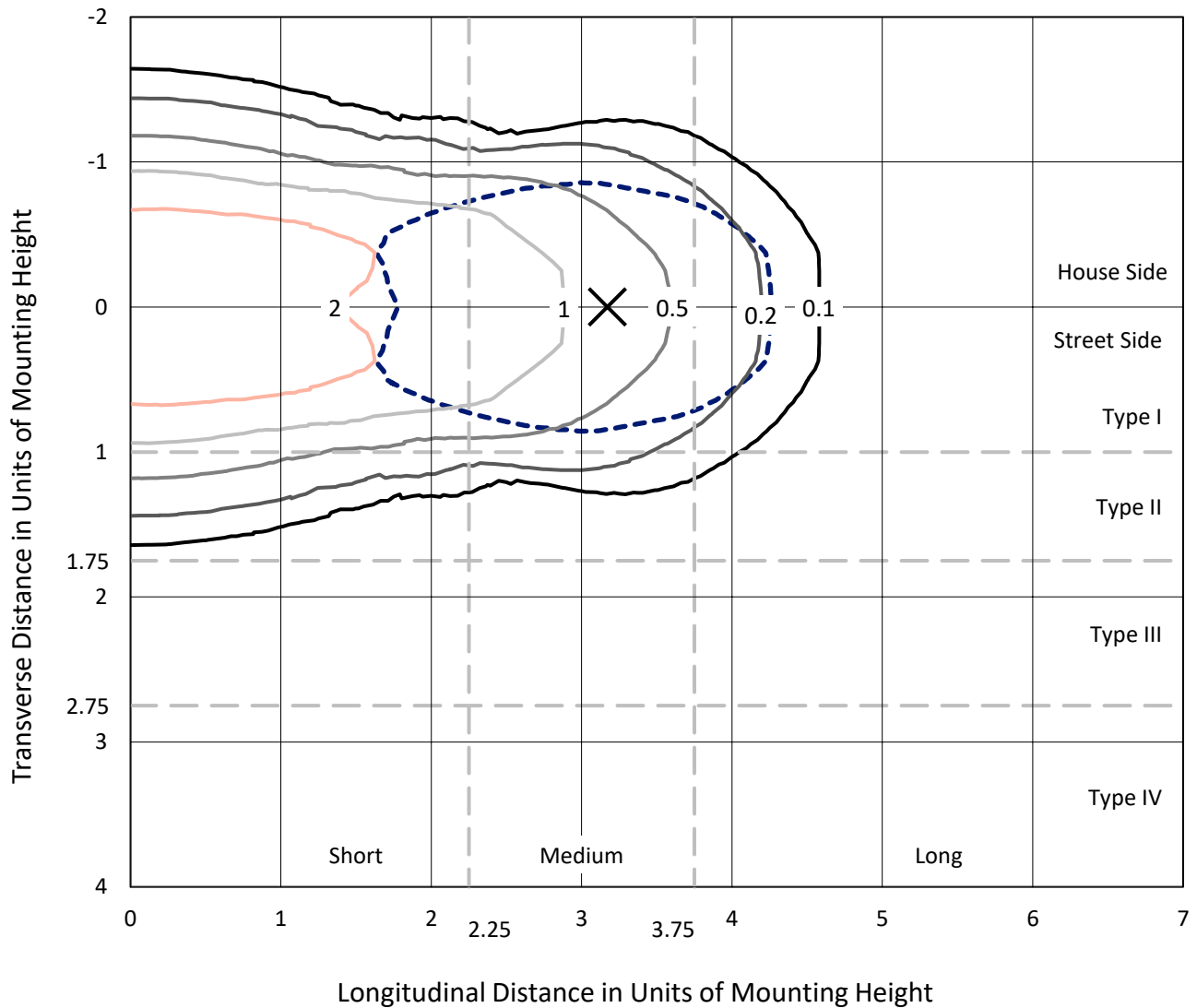
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

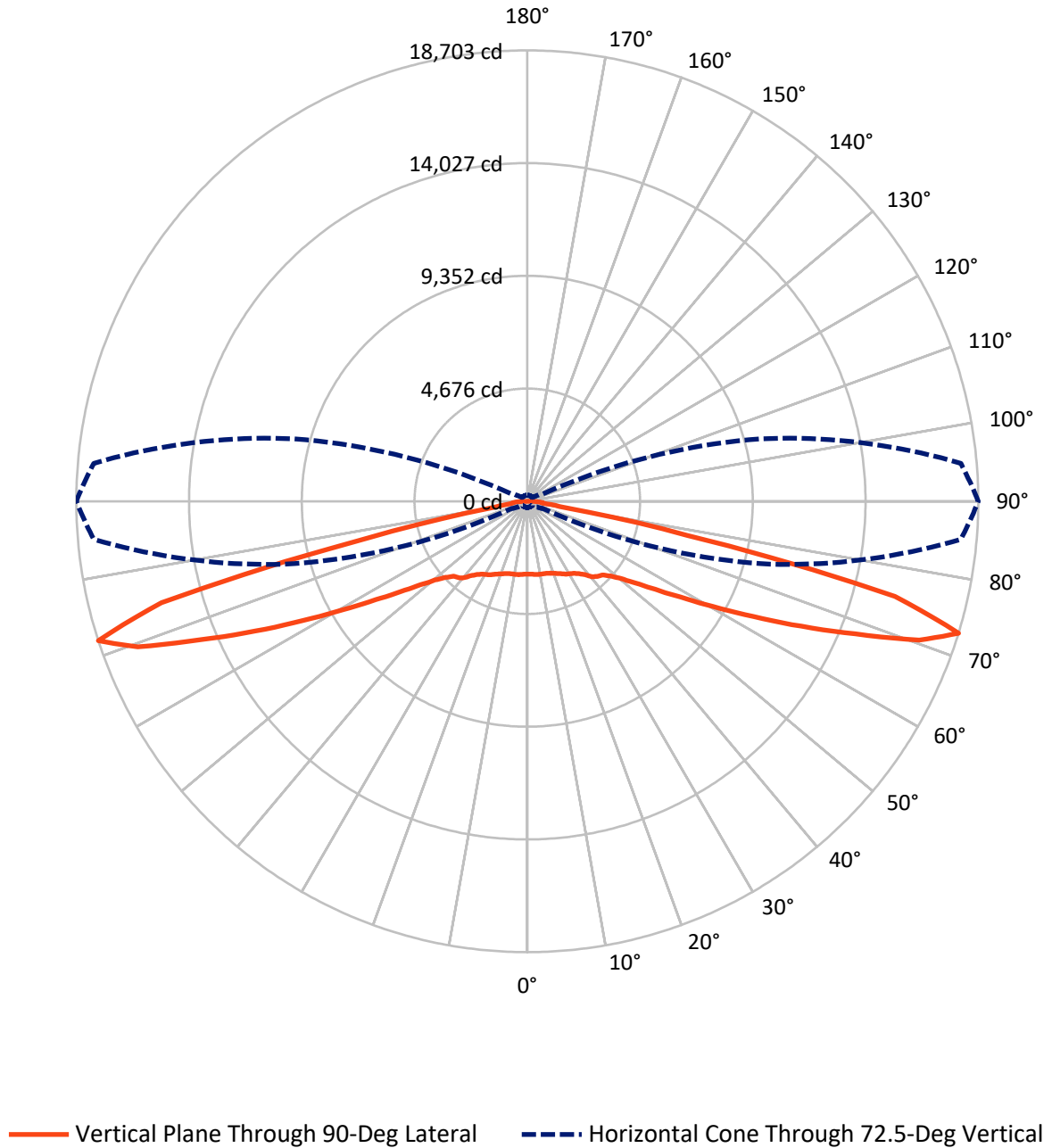
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8089.0	0.0	8089.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8089.0	0.0	8089.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16178.0	0.0	16178.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.1	1.8
10°-20°	896.2	5.5
20°-30°	1494.4	9.2
30°-40°	2055.3	12.7
40°-50°	2510.0	15.5
50°-60°	2903.1	17.9
60°-70°	3461.5	21.4
70°-80°	2415.9	14.9
80°-90°	148.4	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°	16178.0	100.0
0°-180°	16178.0	100.0

**Coefficient of Utilization**



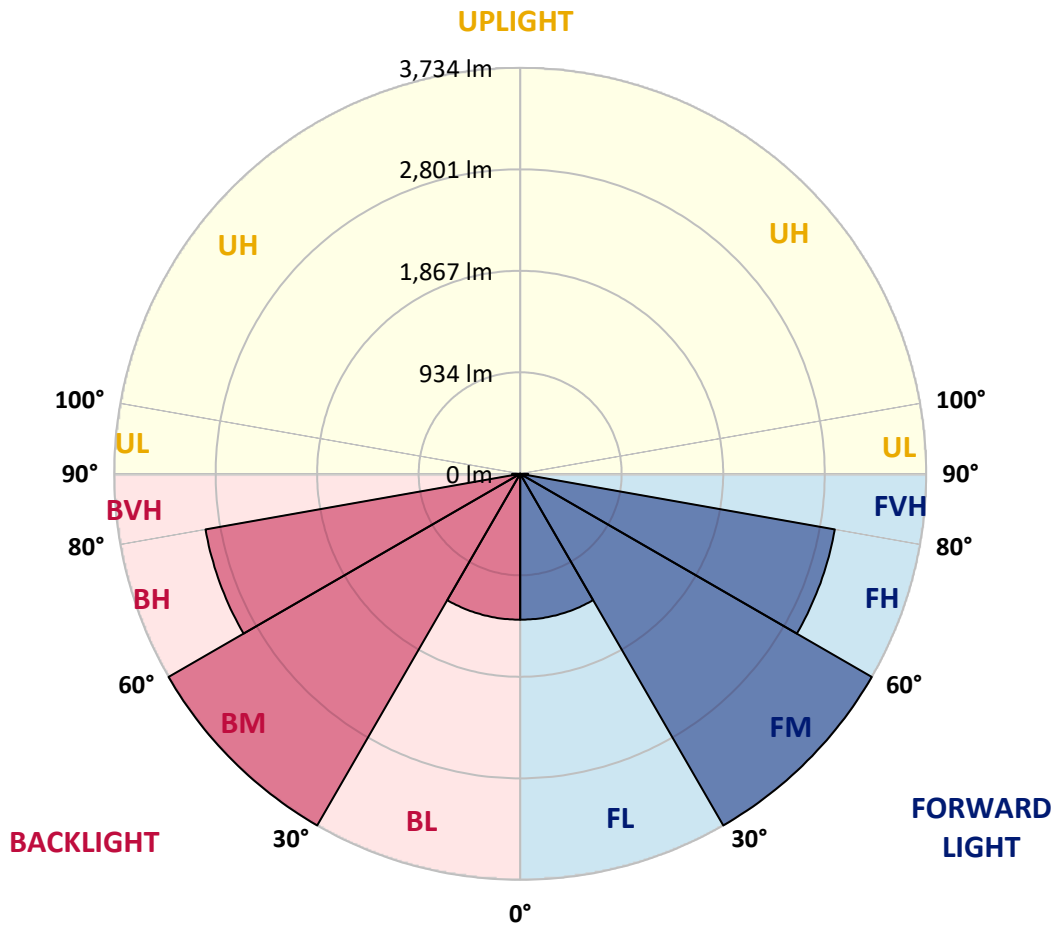
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1341.9	8.3			
FM (30°-60°)	3734.2	23.1			
FH (60°-80°)	2938.7	18.2			G2/5000
FVH (80°-90°)	74.2	0.5			G1/100
BL (0°-30°)	1341.9	8.3	B3/2500		
BM (30°-60°)	3734.2	23.1	B3/5000		
BH (60°-80°)	2938.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	74.2	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°
0°	3023.0	3023.0	3023.0	3023.0	3023.0	3023.0	3023.0	3023.0	3023.0	3023.0
2.5°	3025.6	3029.0	3029.0	3026.5	3032.5	3027.3	3027.3	3024.7	3027.3	3024.7
5°	3041.1	3045.4	3047.1	3046.2	3054.0	3049.7	3049.7	3046.2	3047.1	3044.5
7.5°	3070.3	3076.3	3079.8	3084.1	3095.3	3090.1	3086.7	3076.3	3072.0	3065.2
10°	3079.8	3086.7	3097.8	3120.2	3146.0	3146.8	3136.5	3110.7	3091.0	3075.5
12.5°	3050.5	3060.0	3083.2	3128.8	3186.4	3209.6	3193.3	3150.3	3111.6	3084.1
15°	3013.6	3023.9	3059.1	3127.9	3213.0	3267.2	3265.5	3208.7	3146.8	3103.9
17.5°	2956.0	2966.3	3017.0	3113.3	3233.7	3323.1	3347.2	3288.7	3201.9	3144.3
20°	2851.9	2861.4	2931.9	3066.9	3240.6	3382.4	3445.2	3393.6	3285.3	3207.0
22.5°	2716.9	2731.6	2814.1	2986.9	3224.2	3444.3	3557.0	3521.7	3382.4	3274.1
25°	2572.5	2588.0	2684.3	2888.9	3182.1	3489.0	3689.4	3667.0	3492.5	3357.5
27.5°	2447.8	2464.2	2569.1	2791.7	3116.7	3506.2	3820.1	3831.2	3625.7	3449.5
30°	2349.8	2365.3	2477.1	2713.5	3032.5	3489.0	3934.4	4011.8	3761.6	3529.4
32.5°	2242.3	2262.1	2379.9	2618.1	2932.8	3447.8	4034.1	4207.0	3918.9	3615.4
35°	2106.5	2124.5	2248.4	2487.4	2802.1	3381.6	4117.5	4423.6	4144.2	3746.1
37.5°	1941.4	1958.6	2081.6	2324.0	2672.2	3288.7	4181.2	4667.8	4412.5	3934.4
40°	1775.5	1791.8	1907.0	2141.7	2516.6	3170.1	4203.5	4906.8	4720.3	4193.2
42.5°	1623.3	1637.9	1743.7	1962.0	2342.1	3018.7	4174.3	5114.9	4996.3	4373.8
45°	1483.1	1496.0	1589.8	1793.5	2160.7	2834.7	4086.6	5338.5	5324.7	4502.7
47.5°	1323.2	1336.1	1433.3	1630.2	1979.2	2618.9	3937.8	5558.6	5781.2	4795.1
50°	1128.0	1139.2	1239.0	1441.9	1790.9	2389.4	3731.5	5731.4	6357.3	5237.9
52.5°	896.8	908.8	1006.0	1208.9	1567.4	2142.6	3459.8	5844.0	7022.8	5884.4
55°	667.2	675.8	760.1	942.3	1290.5	1861.5	3119.3	5875.8	7777.7	6768.3
57.5°	484.1	489.2	543.4	679.2	978.4	1509.8	2705.8	5793.3	8676.2	7901.5
60°	392.1	393.8	410.1	470.3	680.1	1112.6	2206.2	5509.5	9651.2	9362.3
62.5°	356.0	356.0	360.3	376.6	460.0	734.3	1601.8	4921.5	10696.7	11208.3
65°	331.0	331.0	332.7	340.5	362.8	467.7	1011.1	3963.6	11578.0	13370.6
67.5°	308.7	309.5	308.7	311.2	324.1	345.6	586.4	2737.6	12052.6	15611.3
70°	285.5	287.2	282.9	282.9	293.2	294.0	367.1	1501.2	11658.8	17489.0
72.5°	257.9	260.5	253.6	251.9	259.7	256.2	276.0	720.5	10009.7	18049.6
75°	233.9	237.3	221.8	217.5	217.5	214.9	224.4	369.7	6496.6	14723.9
77.5°	212.4	219.2	194.3	180.6	177.1	169.4	183.1	226.1	2841.6	6912.7
80°	175.4	184.9	159.9	143.6	137.6	129.0	144.4	158.2	845.2	1605.2
82.5°	130.7	135.0	113.5	102.3	97.2	91.1	108.3	110.1	275.1	568.3
85°	83.4	85.1	69.6	60.2	57.6	55.0	68.8	60.2	104.9	417.9
87.5°	29.2	33.5	26.7	24.1	25.8	21.5	31.8	18.1	29.2	294.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3023.0  
3024.7  
3044.5  
3065.2  
3072.9  
3079.8  
3097.0  
3134.8  
3192.4  
3254.3  
3330.0  
3420.3  
3487.3  
3562.1  
3686.8  
3855.3  
4108.9  
4265.4  
4356.6  
4626.5  
5026.3  
5623.9  
6442.4  
7491.4  
8845.5  
10516.1  
12495.4  
14666.3  
17240.6  
18703.1  
15748.8  
6769.1  
1537.3  
642.3  
607.0  
365.4  
0.0

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