

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: P943113

Luminaire Tested: **GALN-SB7B-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943113  
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-SB7B-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 28707 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

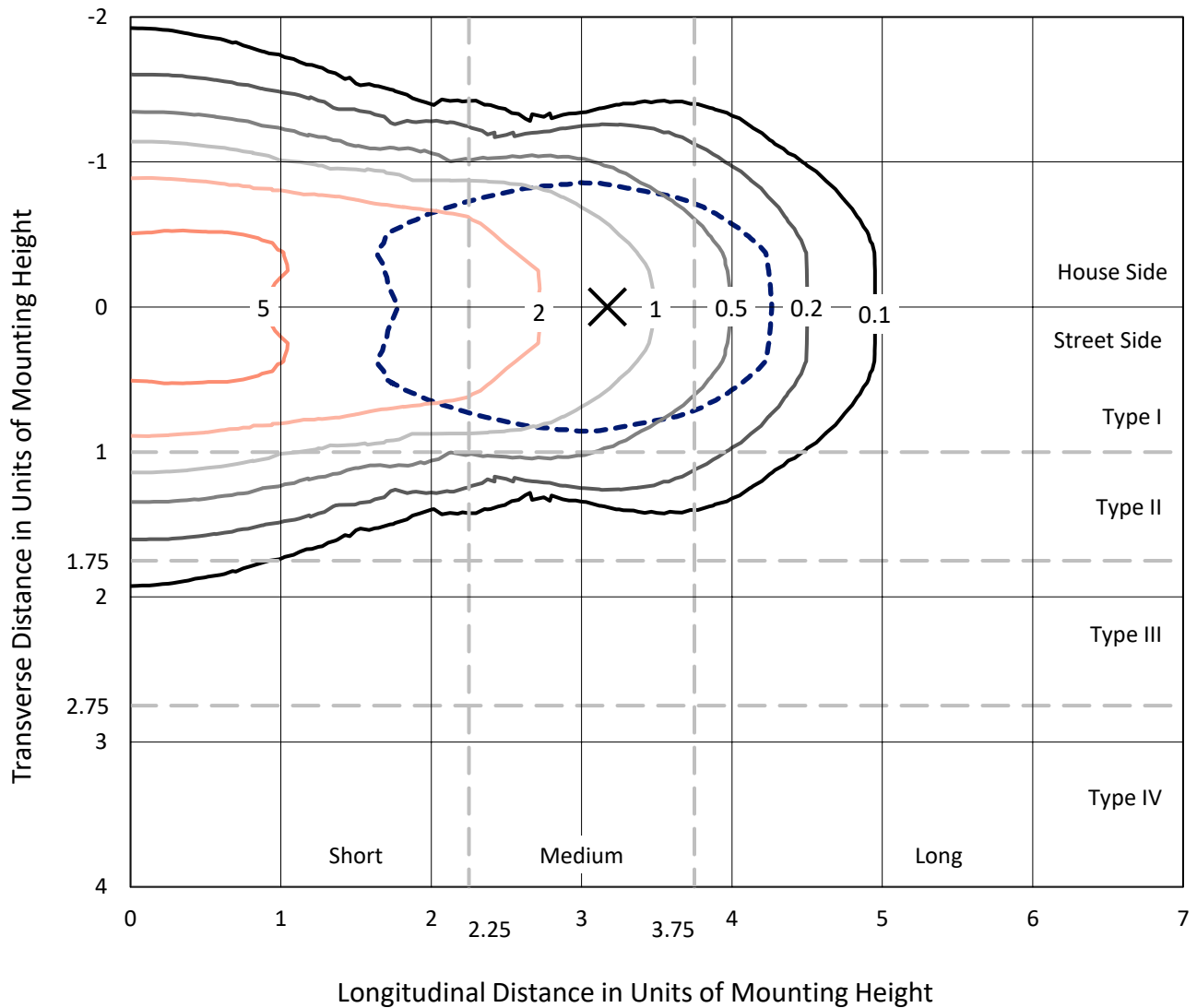
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

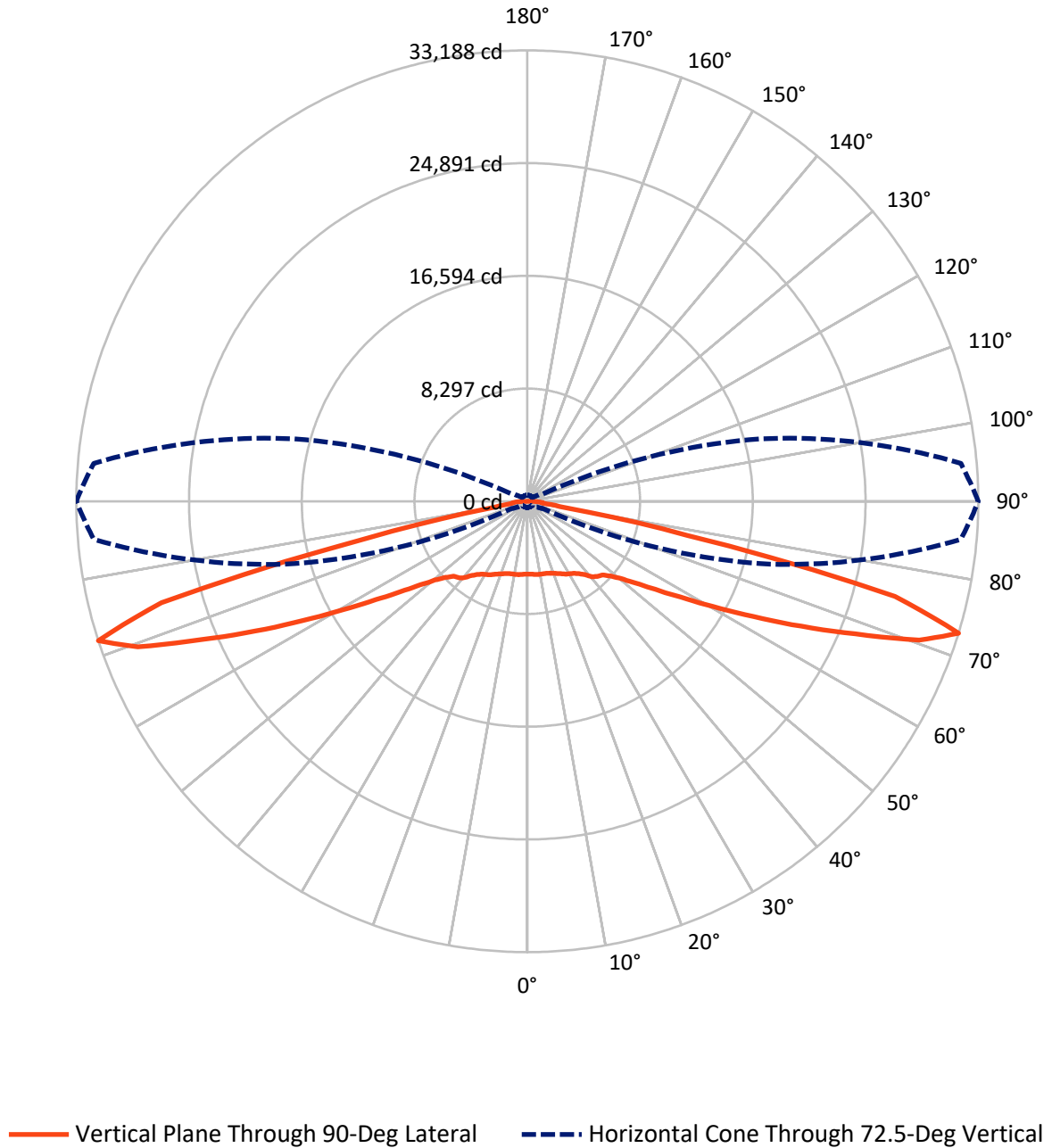
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	14353.5	0.0	14353.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14353.5	0.0	14353.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28707.0	0.0	28707.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	520.1	1.8
10°-20°	1590.3	5.5
20°-30°	2651.7	9.2
30°-40°	3647.0	12.7
40°-50°	4453.9	15.5
50°-60°	5151.5	17.9
60°-70°	6142.3	21.4
70°-80°	4286.9	14.9
80°-90°	263.3	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°	28707.0	100.0
0°-180°	28707.0	100.0

**Coefficient of Utilization**



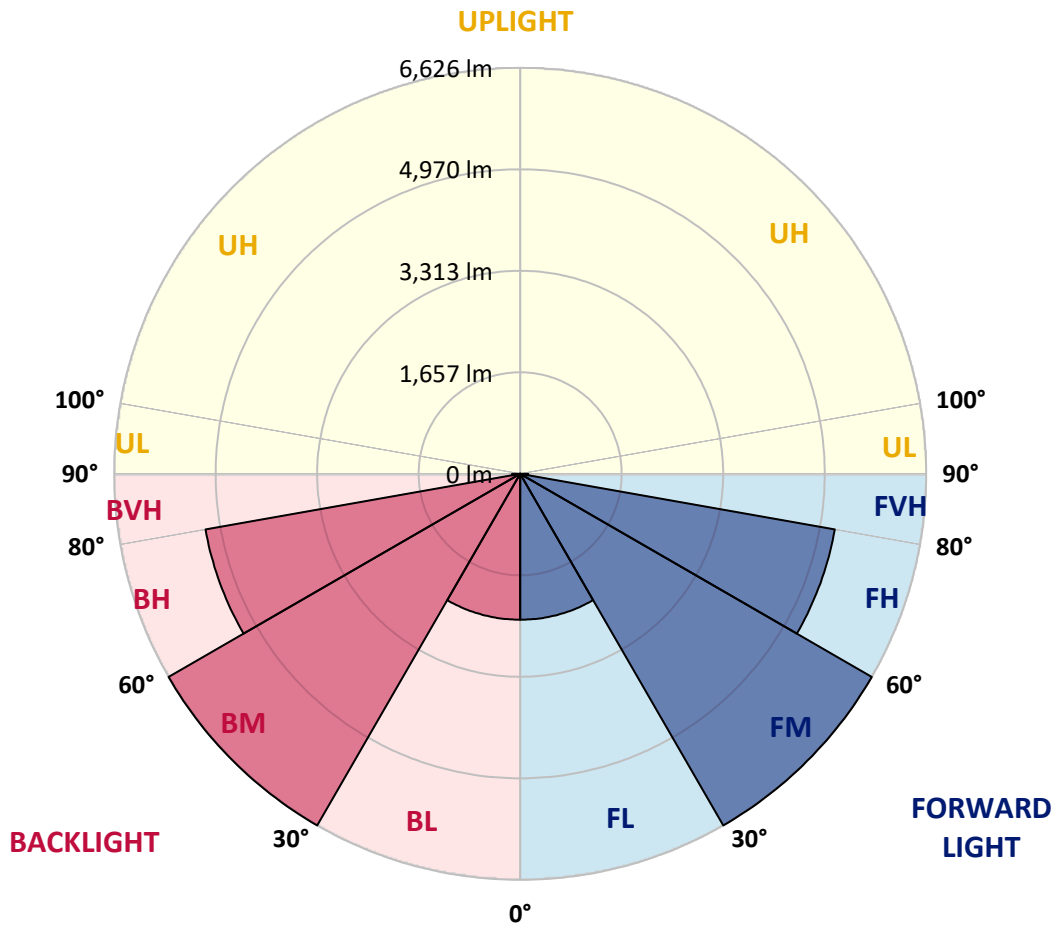
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2381.1	8.3			
FM (30°-60°)	6626.2	23.1			
FH (60°-80°)	5214.6	18.2			G3/7500
FVH (80°-90°)	131.7	0.5			G2/225
BL (0°-30°)	2381.1	8.3	B3/2500		
BM (30°-60°)	6626.2	23.1	B4/8500		
BH (60°-80°)	5214.6	18.2	B5		G5
BVH (80°-90°)	131.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5364.2	5364.2	5364.2	5364.2	5364.2	5364.2	5364.2	5364.2	5364.2	5364.2
2.5°	5368.8	5374.9	5374.9	5370.3	5381.0	5371.8	5371.8	5367.3	5371.8	5367.3
5°	5396.2	5403.9	5406.9	5405.4	5419.1	5411.5	5411.5	5405.4	5406.9	5402.3
7.5°	5448.1	5458.8	5464.9	5472.5	5492.4	5483.2	5477.1	5458.8	5451.2	5439.0
10°	5464.9	5477.1	5496.9	5536.6	5582.4	5583.9	5565.6	5519.8	5484.7	5457.3
12.5°	5413.0	5429.8	5471.0	5551.9	5654.1	5695.3	5666.3	5590.0	5521.3	5472.5
15°	5347.4	5365.7	5428.3	5550.3	5701.4	5797.5	5794.4	5693.7	5583.9	5507.6
17.5°	5245.2	5263.5	5353.5	5524.4	5738.0	5896.7	5939.4	5835.6	5681.5	5579.3
20°	5060.6	5077.4	5202.5	5442.0	5750.2	6001.9	6113.3	6021.8	5829.5	5690.7
22.5°	4821.1	4847.0	4993.5	5300.1	5721.2	6111.8	6311.6	6249.1	6001.9	5809.7
25°	4564.8	4592.2	4763.1	5126.2	5646.5	6191.1	6546.6	6506.9	6197.2	5957.7
27.5°	4343.5	4372.5	4558.7	4953.8	5530.5	6221.6	6778.5	6798.3	6433.7	6120.9
30°	4169.6	4197.1	4395.4	4815.0	5381.0	6191.1	6981.4	7118.7	6674.7	6262.8
32.5°	3978.9	4014.0	4223.0	4645.6	5204.0	6117.9	7158.4	7465.0	6953.9	6415.4
35°	3737.9	3769.9	3989.6	4413.7	4972.1	6000.4	7306.4	7849.5	7353.7	6647.3
37.5°	3444.9	3475.4	3693.6	4123.8	4741.7	5835.6	7419.3	8282.8	7829.7	6981.4
40°	3150.5	3179.5	3383.9	3800.4	4465.6	5625.1	7458.9	8706.9	8375.9	7440.6
42.5°	2880.4	2906.4	3094.0	3481.5	4155.9	5356.6	7407.1	9076.1	8865.6	7761.0
45°	2631.8	2654.6	2820.9	3182.5	3834.0	5030.1	7251.4	9472.8	9448.4	7989.9
47.5°	2348.0	2370.9	2543.3	2892.6	3512.1	4647.1	6987.5	9863.4	10258.5	8508.6
50°	2001.7	2021.5	2198.5	2558.5	3177.9	4239.8	6621.3	10170.0	11280.7	9294.3
52.5°	1591.3	1612.6	1785.0	2145.1	2781.3	3801.9	6139.2	10369.9	12461.6	10441.6
55°	1183.9	1199.2	1348.7	1672.1	2290.0	3303.0	5535.1	10426.3	13801.1	12010.0
57.5°	858.9	868.1	964.2	1205.3	1736.2	2679.1	4801.2	10279.9	15395.4	14020.8
60°	695.7	698.8	727.7	834.5	1206.8	1974.2	3914.8	9776.4	17125.5	16612.9
62.5°	631.6	631.6	639.2	668.2	816.2	1302.9	2842.3	8732.9	18980.7	19888.4
65°	587.4	587.4	590.4	604.2	643.8	830.0	1794.2	7033.3	20544.5	23725.5
67.5°	547.7	549.2	547.7	552.3	575.2	613.3	1040.5	4857.7	21386.6	27701.3
70°	506.5	509.6	501.9	501.9	520.2	521.8	651.5	2663.8	20687.9	31033.4
72.5°	457.7	462.3	450.1	447.0	460.7	454.6	489.7	1278.5	17761.7	32028.1
75°	415.0	421.1	393.6	386.0	386.0	381.4	398.2	656.0	11527.9	26126.9
77.5°	376.8	389.0	344.8	320.4	314.3	300.6	325.0	401.2	5042.3	12266.3
80°	311.2	328.0	283.8	254.8	244.1	228.8	256.3	280.7	1499.7	2848.4
82.5°	231.9	239.5	201.4	181.6	172.4	161.7	192.2	195.3	488.2	1008.5
85°	148.0	151.0	123.6	106.8	102.2	97.6	122.1	106.8	186.1	741.5
87.5°	51.9	59.5	47.3	42.7	45.8	38.1	56.4	32.0	51.9	523.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5364.2  
5367.3  
5402.3  
5439.0  
5452.7  
5464.9  
5495.4  
5562.5  
5664.8  
5774.6  
5908.9  
6069.1  
6188.1  
6320.8  
6542.0  
6841.0  
7291.1  
7568.8  
7730.5  
8209.6  
8919.0  
9979.3  
11431.7  
13293.0  
15695.9  
18660.3  
22172.4  
26024.6  
30592.5  
33187.6  
27945.4  
12011.5  
2727.9  
1139.7  
1077.1  
648.4  
0.0

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