

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: P942323

Luminaire Tested: **GALN-SB6B-740-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942323  
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-SB6B-740-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

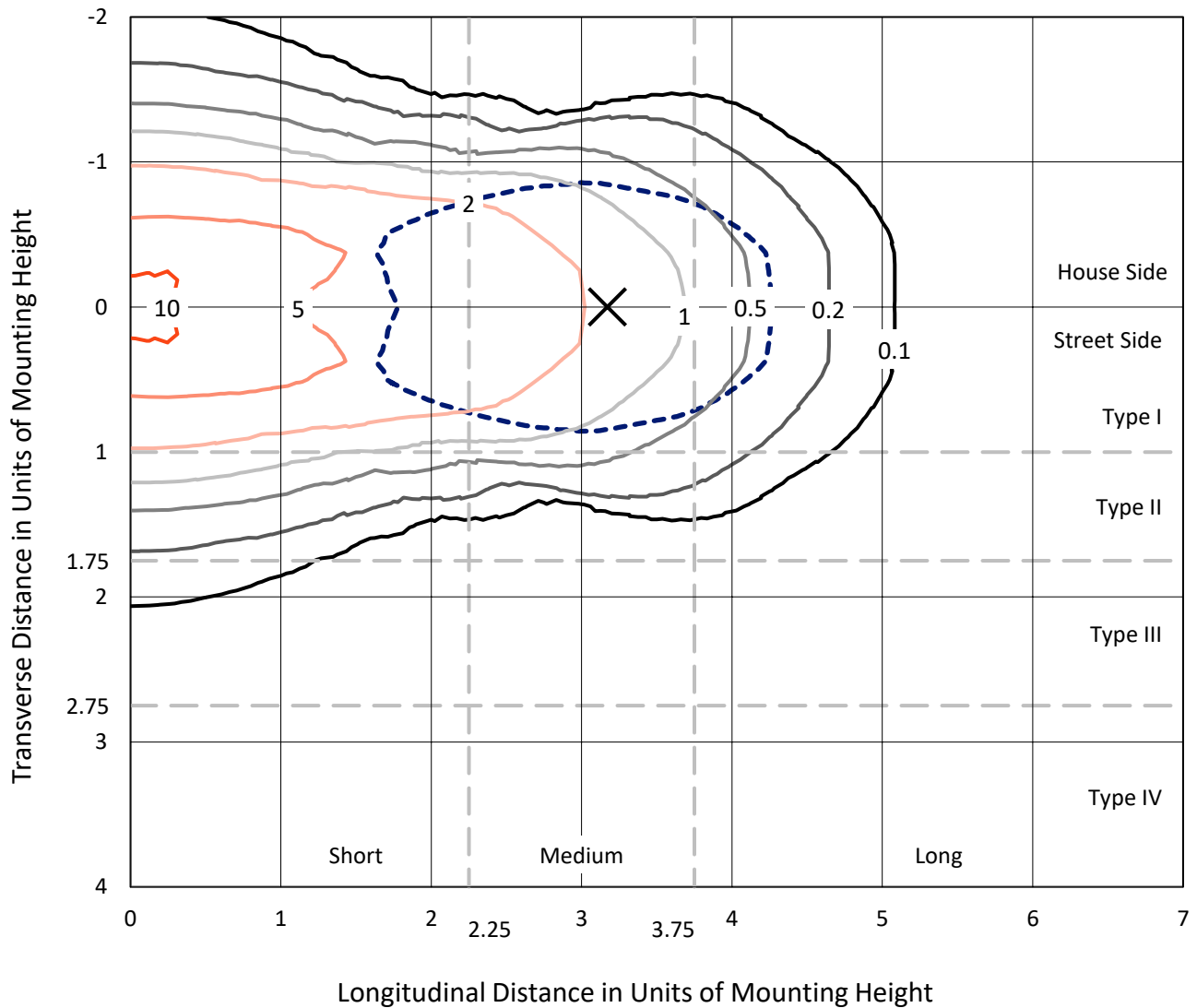
Lumens per Lamp: N/A  
Luminaire Lumens: 35739 lumens  
Efficiency: N/A  
Efficacy: 162.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

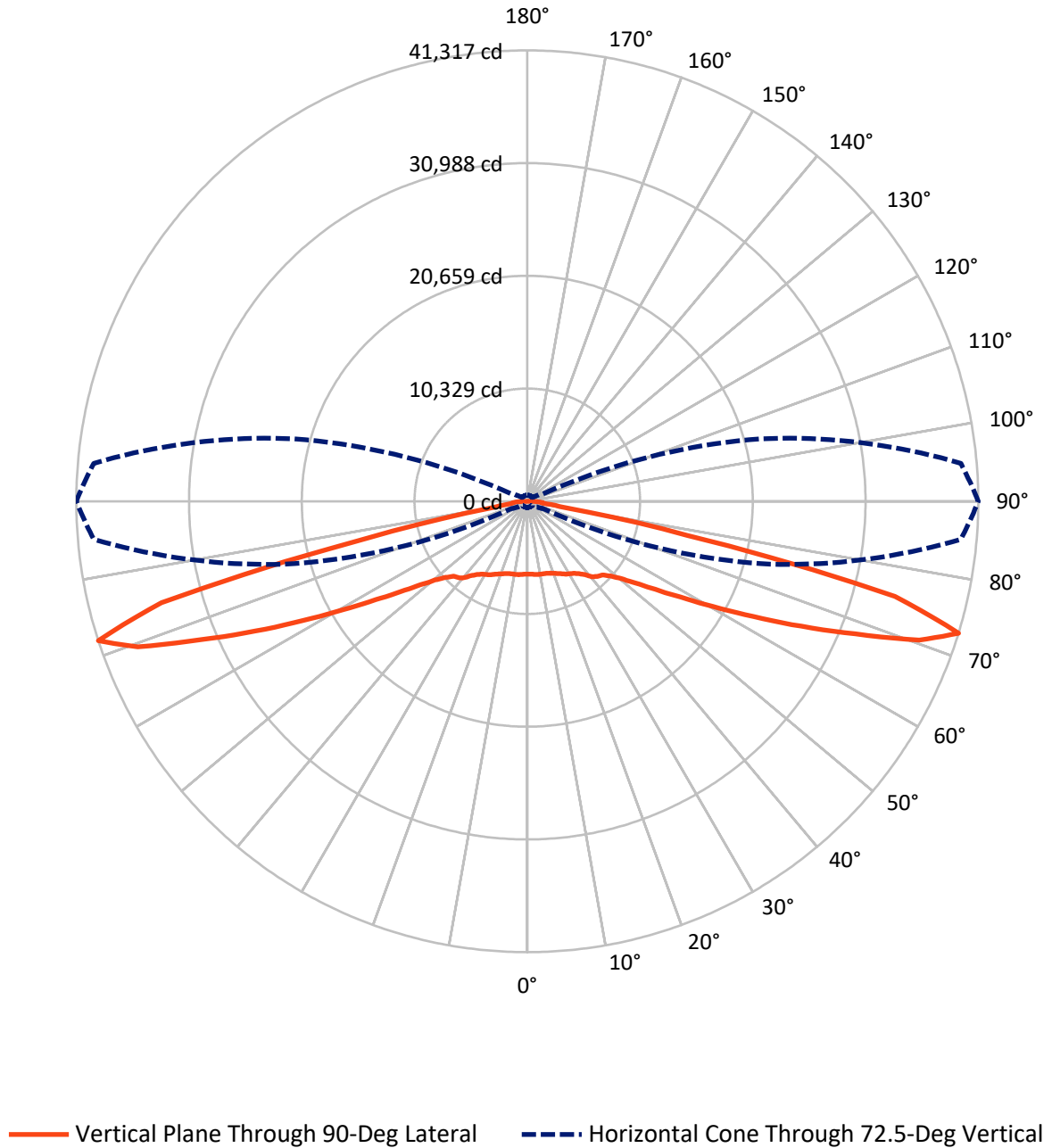
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	17869.5	0.0	17869.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17869.5	0.0	17869.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35739.0	0.0	35739.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	647.5	1.8
10°-20°	1979.9	5.5
20°-30°	3301.3	9.2
30°-40°	4540.3	12.7
40°-50°	5545.0	15.5
50°-60°	6413.3	17.9
60°-70°	7646.9	21.4
70°-80°	5337.0	14.9
80°-90°	327.8	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°	35739.0	100.0
0°-180°	35739.0	100.0

**Coefficient of Utilization**



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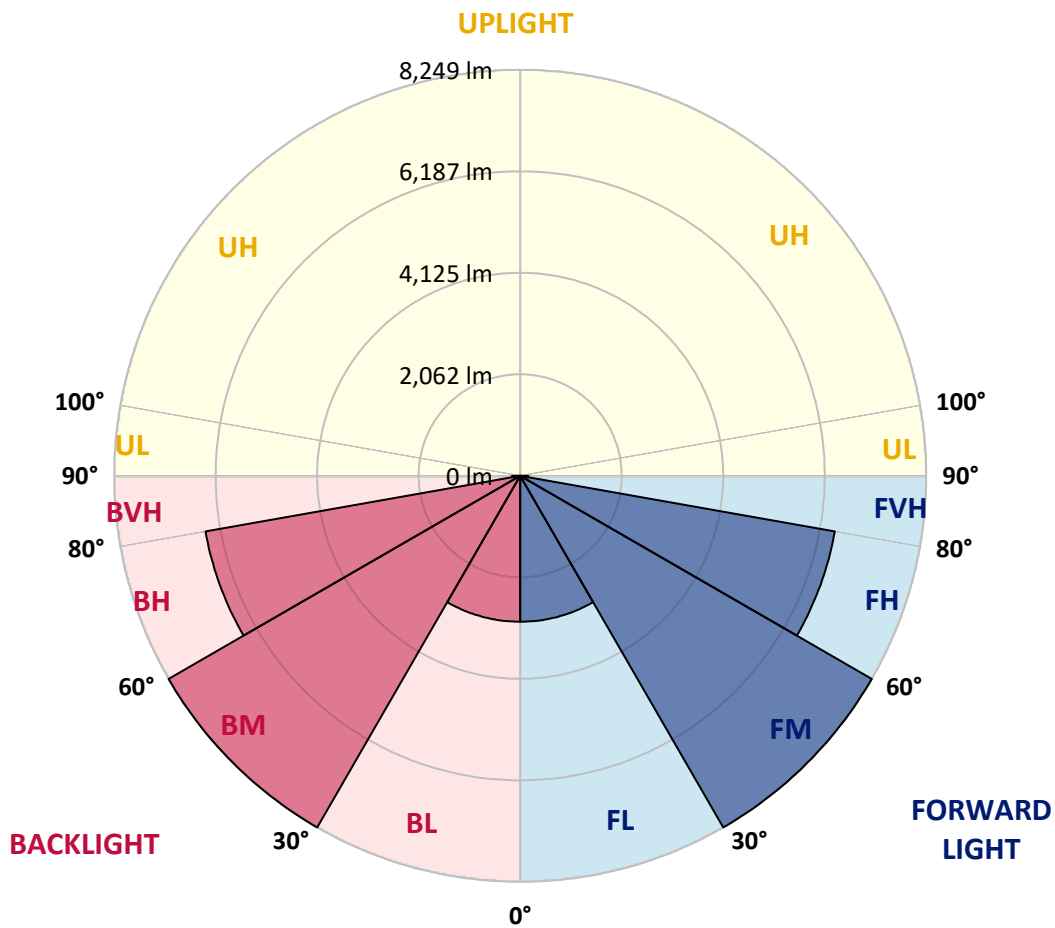
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2964.4	8.3			
FM (30°-60°)	8249.3	23.1			
FH (60°-80°)	6491.9	18.2			G3/7500
FVH (80°-90°)	163.9	0.5			G2/225
BL (0°-30°)	2964.4	8.3	B4/5000		
BM (30°-60°)	8249.3	23.1	B4/8500		
BH (60°-80°)	6491.9	18.2	B5		G5
BVH (80°-90°)	163.9	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°	6678.2	6678.2	6678.2	6678.2	6678.2	6678.2	6678.2	6678.2	6678.2	6678.2
2.5°	6683.9	6691.5	6691.5	6685.8	6699.1	6687.7	6687.7	6682.0	6687.7	6682.0
5°	6718.1	6727.6	6731.4	6729.5	6746.6	6737.1	6737.1	6729.5	6731.4	6725.7
7.5°	6782.7	6796.0	6803.6	6813.1	6837.8	6826.4	6818.8	6796.0	6786.5	6771.3
10°	6803.6	6818.8	6843.5	6892.8	6949.8	6951.7	6928.9	6871.9	6828.3	6794.1
12.5°	6739.0	6759.9	6811.2	6911.8	7039.1	7090.4	7054.3	6959.3	6873.8	6813.1
15°	6657.3	6680.1	6758.0	6909.9	7098.0	7217.6	7213.8	7088.5	6951.7	6856.8
17.5°	6530.1	6552.9	6664.9	6877.6	7143.6	7341.1	7394.3	7265.1	7073.3	6946.0
20°	6300.2	6321.1	6476.9	6775.1	7158.8	7472.1	7610.8	7496.8	7257.5	7084.7
22.5°	6002.0	6034.3	6216.7	6598.4	7122.7	7608.9	7857.7	7779.8	7472.1	7232.8
25°	5682.9	5717.1	5929.9	6381.9	7029.6	7707.7	8150.2	8100.8	7715.3	7417.1
27.5°	5407.5	5443.6	5675.3	6167.3	6885.2	7745.7	8438.9	8463.6	8009.7	7620.3
30°	5191.0	5225.2	5472.1	5994.4	6699.1	7707.7	8691.5	8862.5	8309.8	7796.9
32.5°	4953.6	4997.3	5257.5	5783.6	6478.8	7616.5	8911.9	9293.7	8657.4	7986.9
35°	4653.5	4693.4	4966.9	5494.9	6190.1	7470.2	9096.1	9772.3	9155.0	8275.6
37.5°	4288.8	4326.8	4598.4	5134.0	5903.3	7265.1	9236.7	10311.7	9747.6	8691.5
40°	3922.2	3958.3	4212.8	4731.3	5559.5	7003.0	9286.1	10839.7	10427.6	9263.3
42.5°	3586.0	3618.3	3851.9	4334.4	5173.9	6668.7	9221.5	11299.4	11037.3	9662.1
45°	3276.4	3304.9	3511.9	3962.1	4773.1	6262.2	9027.7	11793.2	11762.8	9947.0
47.5°	2923.1	2951.6	3166.3	3601.2	4372.4	5785.5	8699.1	12279.5	12771.4	10592.8
50°	2492.0	2516.7	2737.0	3185.3	3956.4	5278.4	8243.3	12661.2	14044.0	11571.0
52.5°	1981.1	2007.6	2222.3	2670.5	3462.6	4733.2	7643.1	12910.1	15514.1	12999.3
55°	1473.9	1492.9	1679.0	2081.7	2851.0	4112.2	6890.9	12980.3	17181.8	14951.9
57.5°	1069.3	1080.7	1200.4	1500.5	2161.5	3335.3	5977.3	12798.0	19166.6	17455.3
60°	866.1	869.9	906.0	1039.0	1502.4	2457.8	4873.8	12171.2	21320.5	20682.3
62.5°	786.3	786.3	795.8	831.9	1016.2	1622.1	3538.5	10872.0	23630.1	24760.3
65°	731.3	731.3	735.1	752.2	801.5	1033.3	2233.7	8756.1	25577.0	29537.2
67.5°	681.9	683.8	681.9	687.6	716.1	763.5	1295.4	6047.6	26625.5	34487.0
70°	630.6	634.4	624.9	624.9	647.7	649.6	811.0	3316.3	25755.6	38635.2
72.5°	569.8	575.5	560.3	556.5	573.6	566.0	609.7	1591.7	22112.5	39873.6
75°	516.6	524.2	490.0	480.5	480.5	474.8	495.7	816.7	14351.7	32526.8
77.5°	469.1	484.3	429.3	398.9	391.3	374.2	404.6	499.5	6277.4	15271.0
80°	387.5	408.4	353.3	317.2	303.9	284.9	319.1	349.5	1867.1	3546.1
82.5°	288.7	298.2	250.7	226.0	214.6	201.3	239.3	243.1	607.8	1255.5
85°	184.2	188.0	153.8	133.0	127.3	121.6	152.0	133.0	231.7	923.1
87.5°	64.6	74.1	58.9	53.2	57.0	47.5	70.3	39.9	64.6	651.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6678.2  
6682.0  
6725.7  
6771.3  
6788.4  
6803.6  
6841.6  
6925.1  
7052.4  
7189.1  
7356.3  
7555.7  
7703.9  
7869.1  
8144.5  
8516.8  
9077.1  
9422.8  
9624.1  
10220.5  
11103.8  
12423.8  
14232.0  
16549.3  
19540.8  
23231.3  
27603.6  
32399.6  
38086.3  
41317.1  
34790.9  
14953.8  
3396.1  
1418.8  
1341.0  
807.2  
0.0

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