

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: P944363

Luminaire Tested: **GALN-SB9B-740-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944363  
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-SB9B-740-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

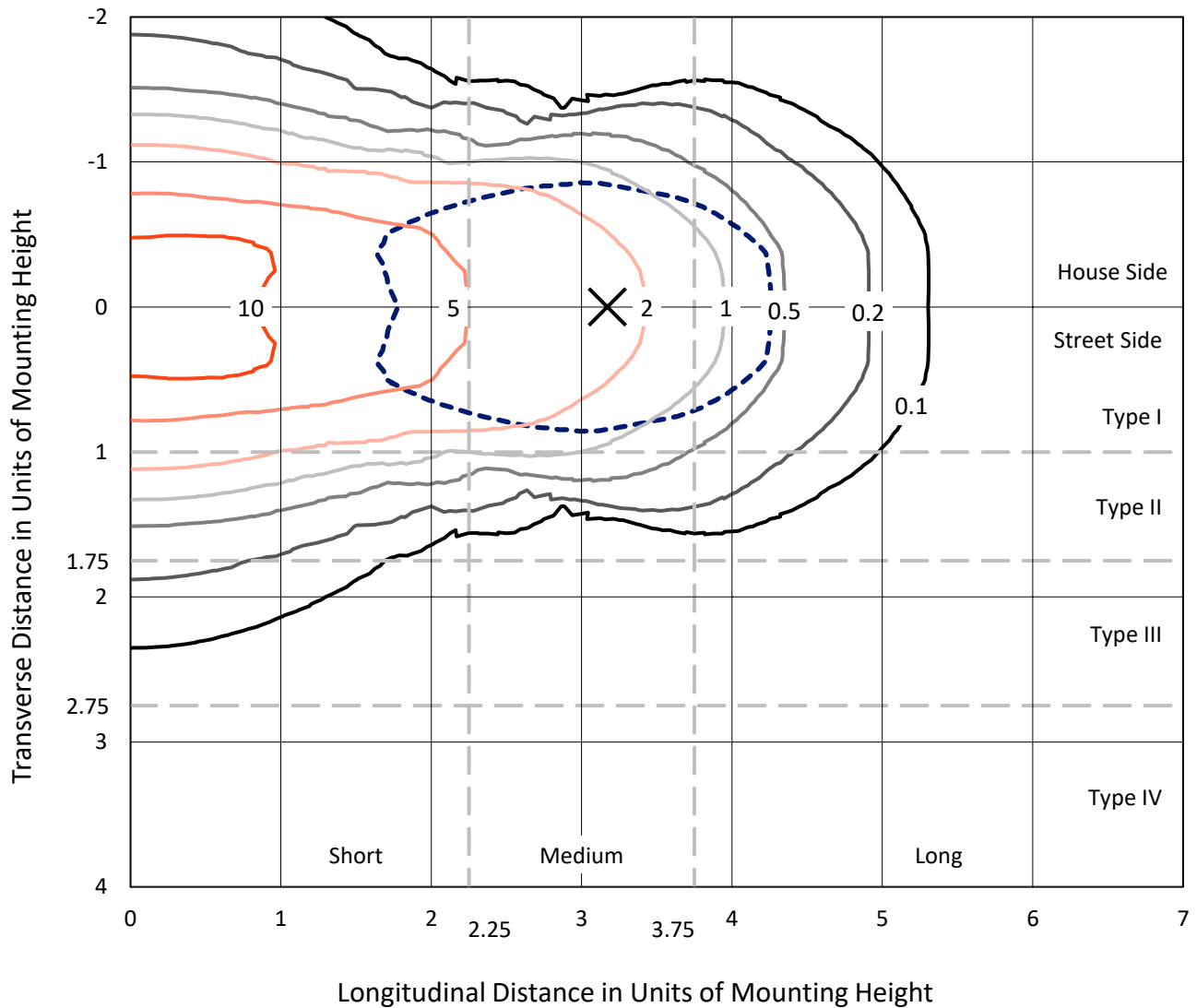
Lumens per Lamp: N/A  
Luminaire Lumens: 53681 lumens  
Efficiency: N/A  
Efficacy: 162.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

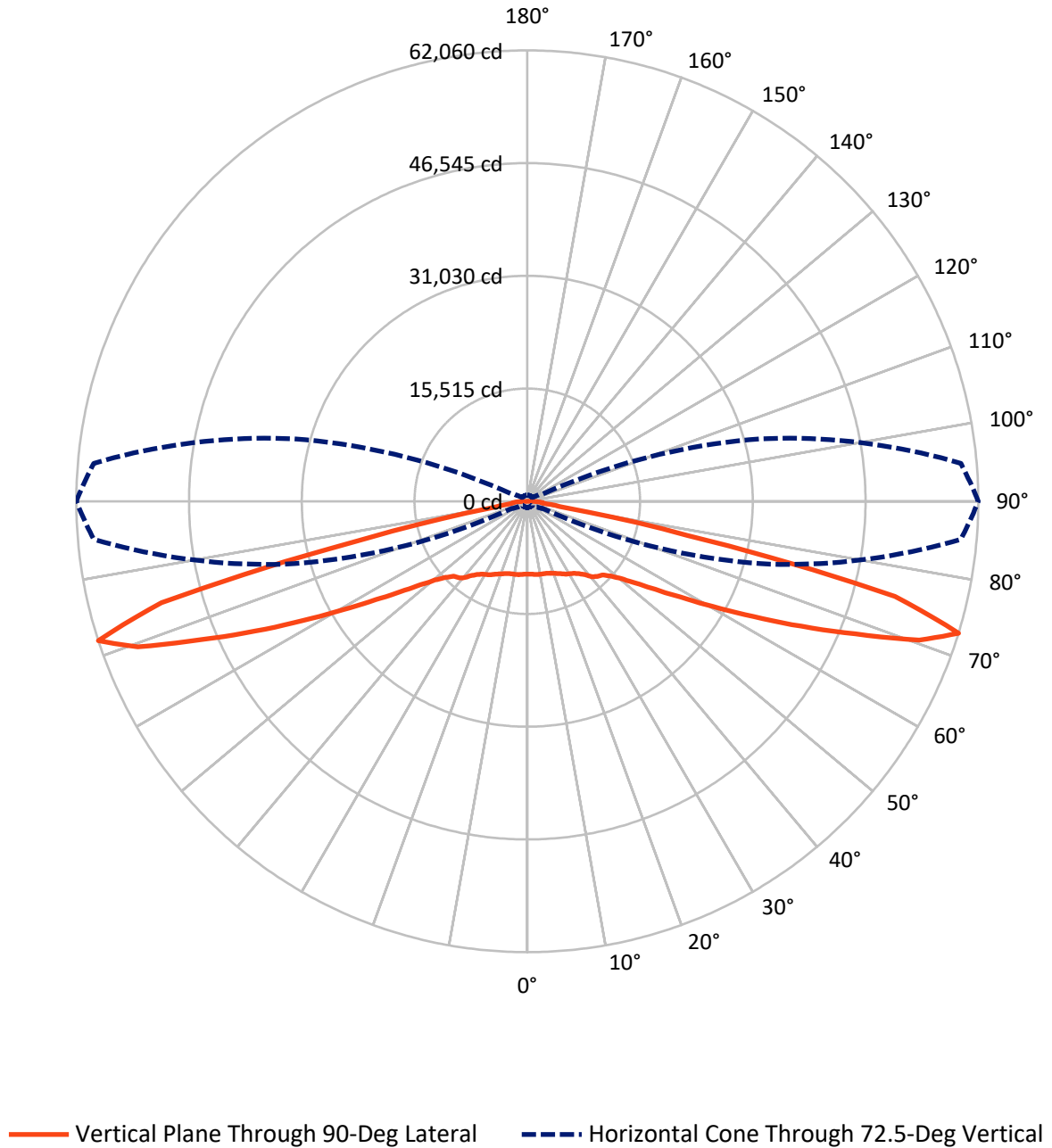
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 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	26840.5	0.0	26840.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26840.5	0.0	26840.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	53681.0	0.0	53681.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	972.6	1.8
10°-20°	2973.9	5.5
20°-30°	4958.7	9.2
30°-40°	6819.7	12.7
40°-50°	8328.7	15.5
50°-60°	9633.0	17.9
60°-70°	11485.8	21.4
70°-80°	8016.3	14.9
80°-90°	492.4	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°	53681.0	100.0
0°-180°	53681.0	100.0

**Coefficient of Utilization**



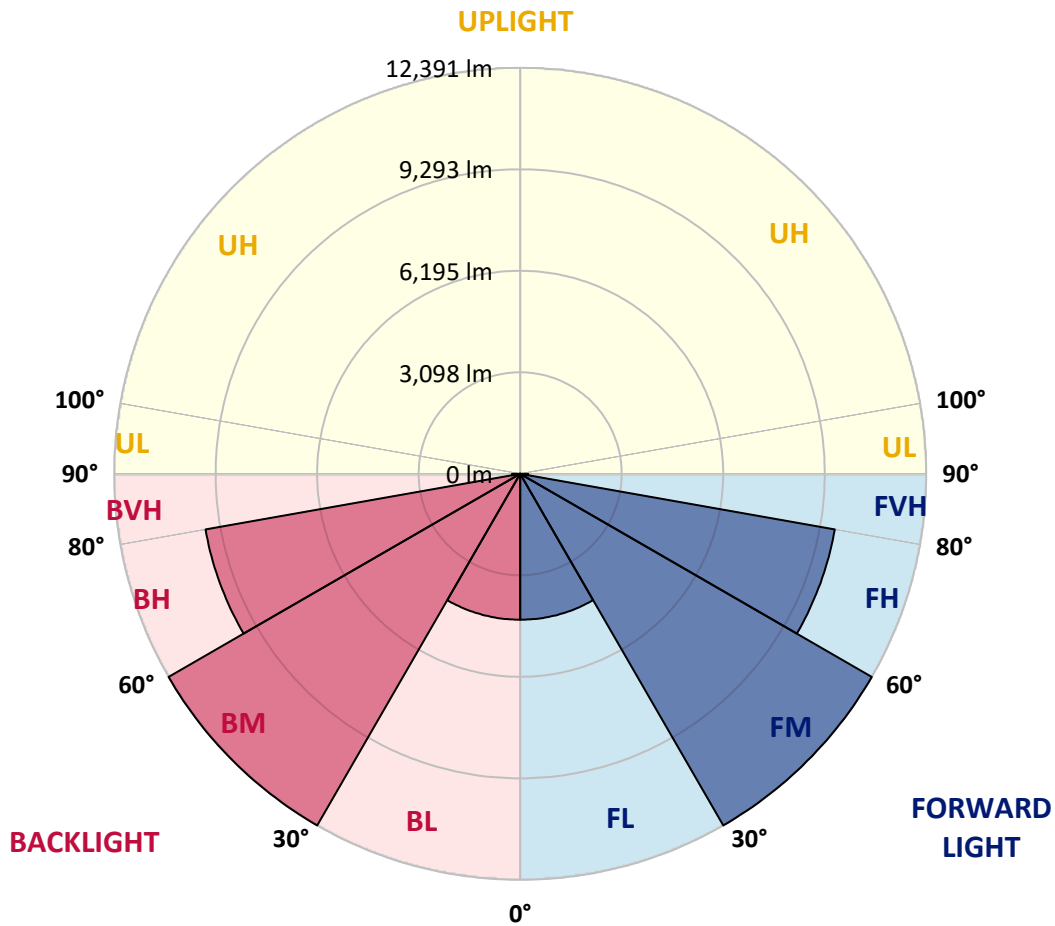
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4452.6	8.3			
FM	(30°-60°)	12390.7	23.1			
FH	(60°-80°)	9751.1	18.2			G4/12000
FVH	(80°-90°)	246.2	0.5			G3/500
BL	(0°-30°)	4452.6	8.3	B4/5000		
BM	(30°-60°)	12390.7	23.1	B5		
BH	(60°-80°)	9751.1	18.2	B5		G5
BVH	(80°-90°)	246.2	0.5			G3/500
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°	10030.9	10030.9	10030.9	10030.9	10030.9	10030.9	10030.9	10030.9	10030.9	10030.9
2.5°	10039.4	10050.8	10050.8	10042.3	10062.2	10045.1	10045.1	10036.6	10045.1	10036.6
5°	10090.8	10105.0	10110.7	10107.9	10133.6	10119.3	10119.3	10107.9	10110.7	10102.2
7.5°	10187.8	10207.7	10219.2	10233.4	10270.5	10253.4	10242.0	10207.7	10193.5	10170.7
10°	10219.2	10242.0	10279.1	10353.2	10438.8	10441.7	10407.4	10321.9	10256.2	10204.9
12.5°	10122.2	10153.5	10230.6	10381.8	10572.9	10649.9	10595.7	10453.1	10324.7	10233.4
15°	9999.5	10033.7	10150.7	10378.9	10661.4	10841.1	10835.4	10647.1	10441.7	10299.0
17.5°	9808.3	9842.6	10010.9	10330.4	10729.8	11026.5	11106.4	10912.4	10624.3	10433.1
20°	9463.1	9494.5	9728.5	10176.4	10752.6	11223.4	11431.6	11260.5	10901.0	10641.4
22.5°	9015.2	9063.7	9337.6	9911.0	10698.4	11428.8	11802.5	11685.6	11223.4	10863.9
25°	8535.9	8587.3	8906.8	9585.8	10558.7	11577.1	12241.9	12167.7	11588.6	11140.6
27.5°	8122.3	8176.5	8524.5	9263.4	10341.8	11634.2	12675.5	12712.6	12030.8	11445.9
30°	7797.0	7848.4	8219.3	9003.8	10062.2	11577.1	13055.0	13311.7	12481.5	11711.2
32.5°	7440.4	7506.0	7896.9	8687.1	9731.3	11440.2	13385.9	13959.3	13003.6	11996.5
35°	6989.7	7049.6	7460.4	8253.5	9297.7	11220.5	13662.6	14678.3	13751.1	12430.2
37.5°	6441.9	6498.9	6906.9	7711.4	8866.9	10912.4	13873.7	15488.5	14641.2	13055.0
40°	5891.3	5945.5	6327.8	7106.6	8350.5	10518.7	13947.9	16281.6	15662.5	13913.7
42.5°	5386.3	5434.8	5785.7	6510.4	7771.4	10016.6	13850.9	16972.0	16578.3	14512.8
45°	4921.3	4964.1	5275.0	5951.2	7169.4	9406.1	13559.9	17713.8	17668.1	14940.7
47.5°	4390.6	4433.4	4755.8	5409.1	6567.4	8690.0	13066.4	18444.1	19183.0	15910.7
50°	3743.0	3780.1	4111.1	4784.3	5942.6	7928.3	12381.7	19017.6	21094.5	17380.0
52.5°	2975.6	3015.5	3337.9	4011.2	5200.9	7109.5	11480.1	19391.3	23302.6	19525.4
55°	2213.9	2242.4	2522.0	3126.8	4282.2	6176.6	10350.4	19496.8	25807.5	22458.2
57.5°	1606.2	1623.3	1803.0	2253.8	3246.6	5009.7	8978.1	19223.0	28788.8	26218.3
60°	1300.9	1306.6	1360.8	1560.5	2256.7	3691.7	7320.6	18281.5	32024.0	31065.4
62.5°	1181.1	1181.1	1195.4	1249.6	1526.3	2436.4	5315.0	16330.1	35493.2	37190.6
65°	1098.4	1098.4	1104.1	1129.8	1203.9	1552.0	3355.0	13152.0	38417.4	44365.7
67.5°	1024.2	1027.1	1024.2	1032.8	1075.6	1146.9	1945.7	9083.7	39992.2	51800.4
70°	947.2	952.9	938.6	938.6	972.8	975.7	1218.2	4981.2	38685.6	58031.2
72.5°	855.9	864.4	841.6	835.9	861.6	850.2	915.8	2390.7	33213.7	59891.3
75°	776.0	787.4	736.1	721.8	721.8	713.2	744.6	1226.8	21556.7	48856.2
77.5°	704.7	727.5	644.8	599.1	587.7	562.0	607.7	750.3	9428.9	22937.5
80°	582.0	613.4	530.6	476.4	456.5	427.9	479.3	524.9	2804.4	5326.4
82.5°	433.6	447.9	376.6	339.5	322.4	302.4	359.5	365.2	912.9	1885.8
85°	276.7	282.4	231.1	199.7	191.1	182.6	228.2	199.7	348.1	1386.5
87.5°	97.0	111.3	88.4	79.9	85.6	71.3	105.6	59.9	97.0	978.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10030.9  
10036.6  
10102.2  
10170.7  
10196.3  
10219.2  
10276.2  
10401.7  
10592.9  
10798.3  
11049.4  
11348.9  
11571.4  
11819.6  
12233.3  
12792.5  
13634.1  
14153.3  
14455.7  
15351.6  
16678.2  
18660.9  
21376.9  
24857.5  
29350.8  
34894.0  
41461.5  
48665.1  
57206.7  
62059.5  
52256.9  
22461.0  
5101.0  
2131.1  
2014.2  
1212.5  
0.0

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