

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: P943513

Luminaire Tested: **GALN-SB8A-740-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943513  
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-SB8A-740-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37964 lumens  
Efficiency: N/A  
Efficacy: 167.2 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

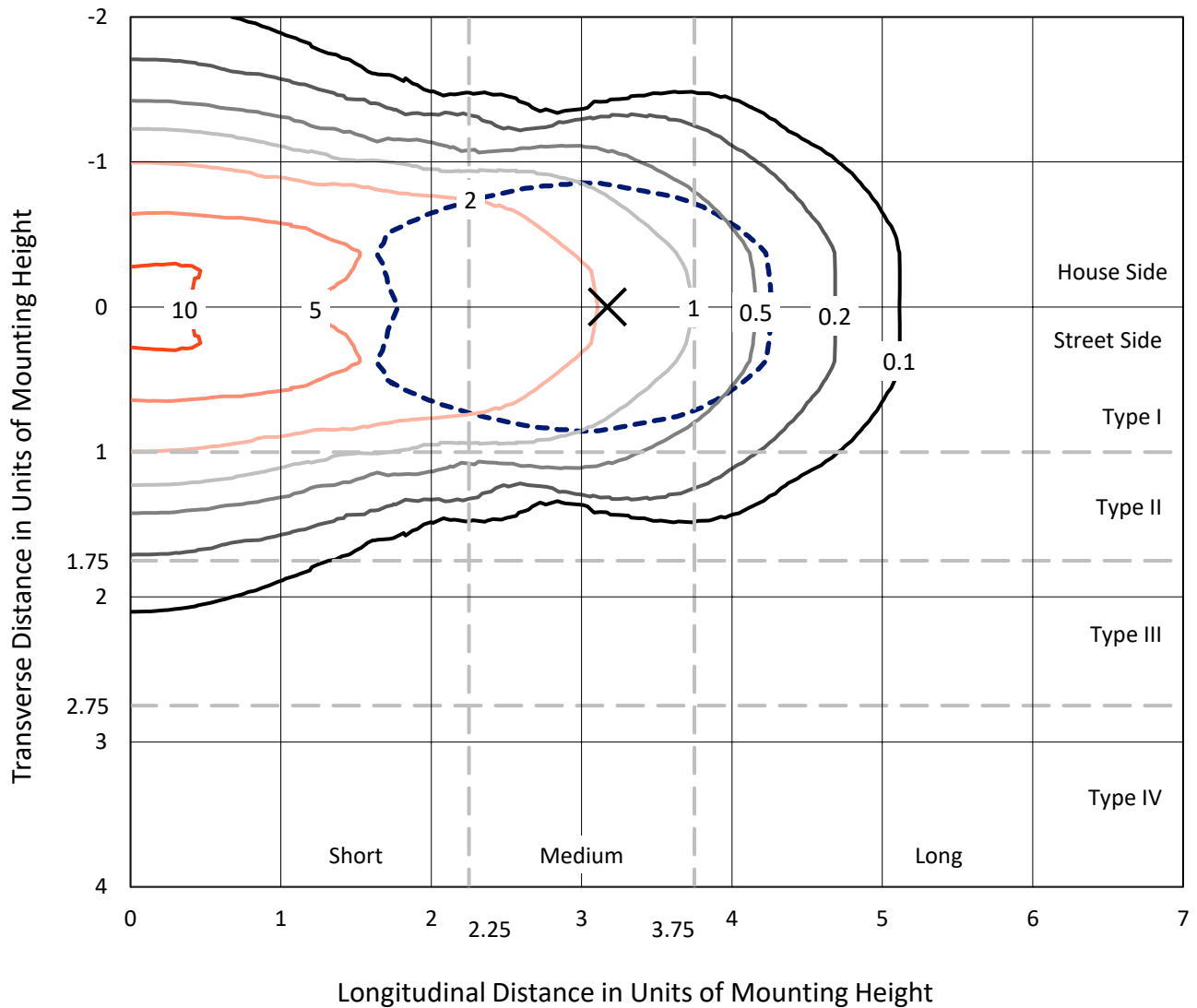
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

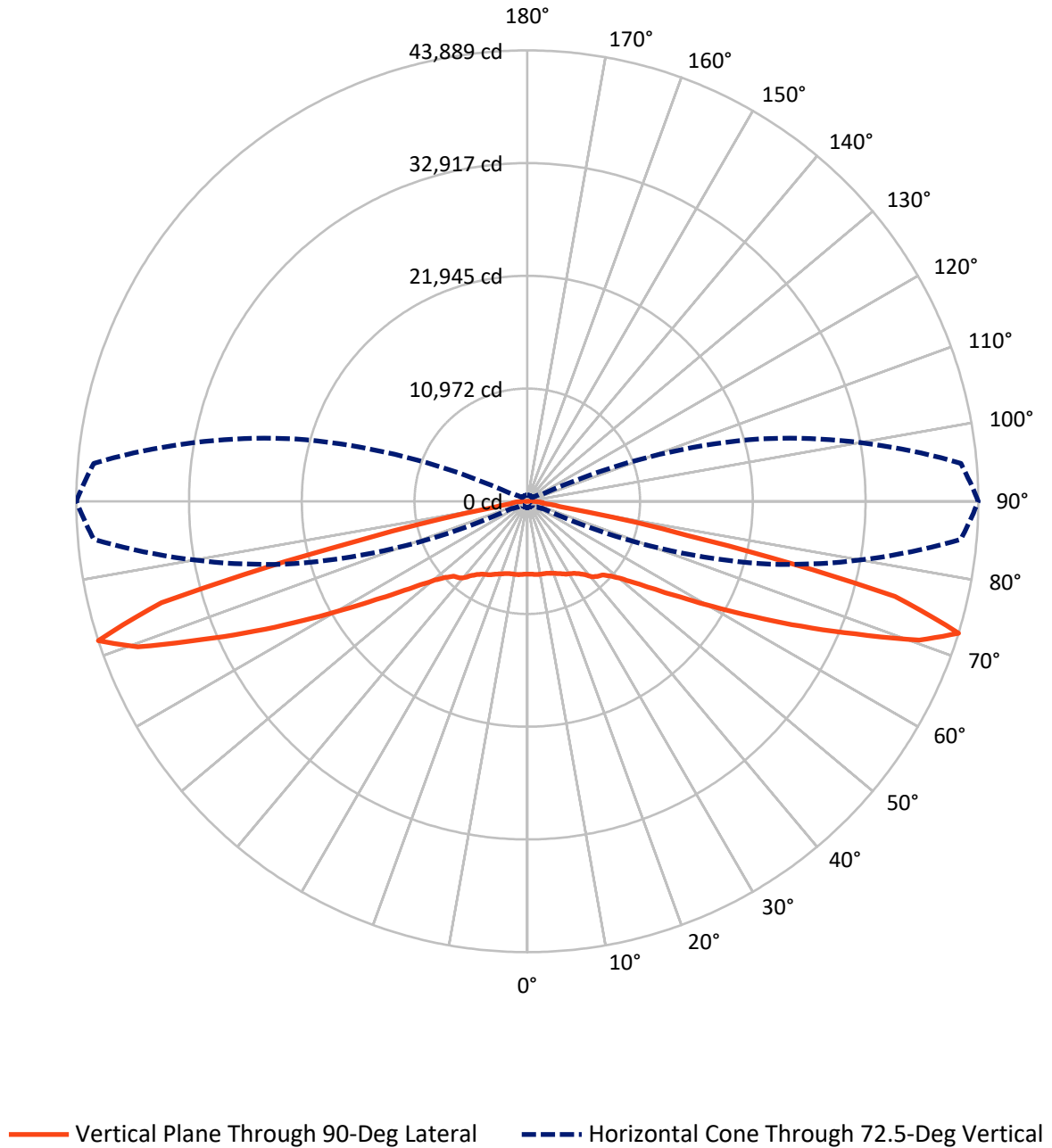
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	18982.0	0.0	18982.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18982.0	0.0	18982.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37964.0	0.0	37964.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	687.8	1.8
10°-20°	2103.2	5.5
20°-30°	3506.8	9.2
30°-40°	4823.0	12.7
40°-50°	5890.2	15.5
50°-60°	6812.6	17.9
60°-70°	8122.9	21.4
70°-80°	5669.3	14.9
80°-90°	348.2	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°	37964.0	100.0
0°-180°	37964.0	100.0

**Coefficient of Utilization**



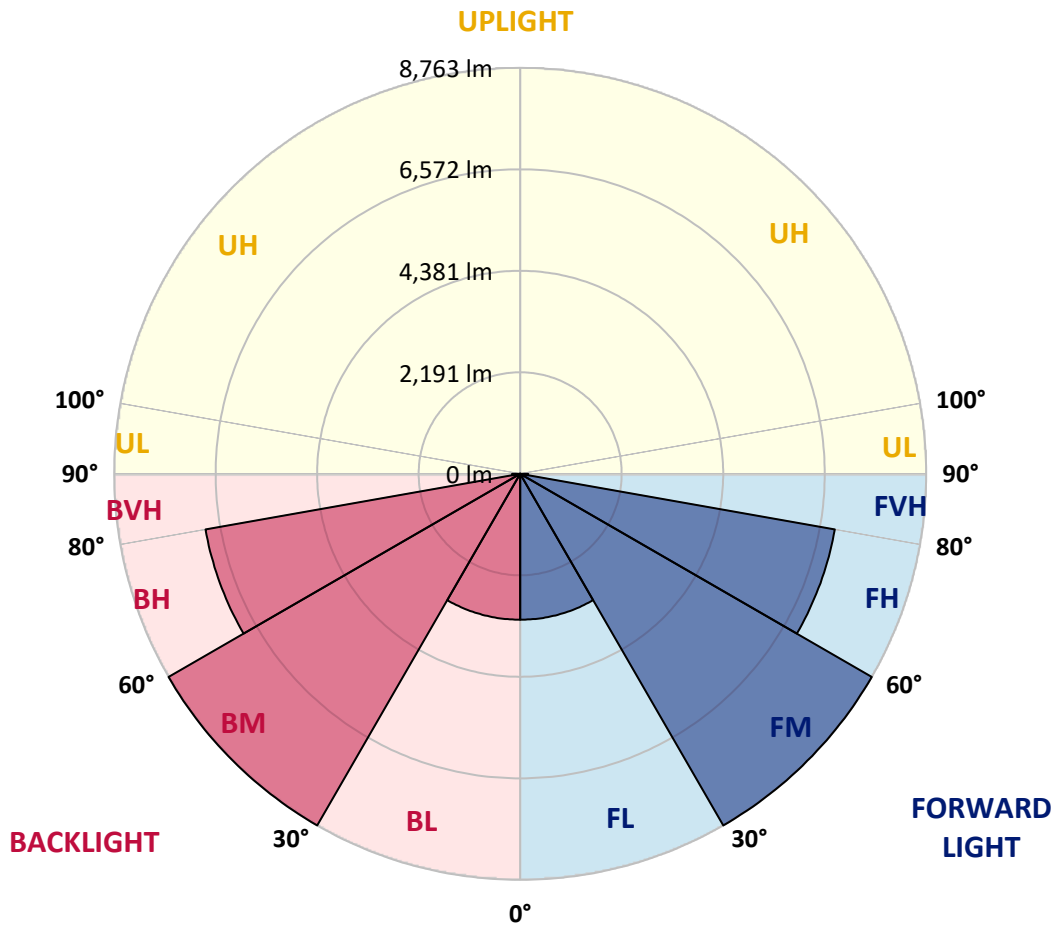
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3148.9	8.3			
FM (30°-60°)	8762.9	23.1			
FH (60°-80°)	6896.1	18.2			G3/7500
FVH (80°-90°)	174.1	0.5			G2/225
BL (0°-30°)	3148.9	8.3	B4/5000		
BM (30°-60°)	8762.9	23.1	B5		
BH (60°-80°)	6896.1	18.2	B5		G5
BVH (80°-90°)	174.1	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°	7094.0	7094.0	7094.0	7094.0	7094.0	7094.0	7094.0	7094.0	7094.0	7094.0
2.5°	7100.0	7108.1	7108.1	7102.0	7116.2	7104.1	7104.1	7098.0	7104.1	7098.0
5°	7136.3	7146.4	7150.5	7148.5	7166.6	7156.5	7156.5	7148.5	7150.5	7144.4
7.5°	7204.9	7219.1	7227.1	7237.2	7263.5	7251.3	7243.3	7219.1	7209.0	7192.8
10°	7227.1	7243.3	7269.5	7322.0	7382.5	7384.5	7360.3	7299.8	7253.4	7217.0
12.5°	7158.5	7180.7	7235.2	7342.1	7477.3	7531.8	7493.5	7392.6	7301.8	7237.2
15°	7071.8	7096.0	7178.7	7340.1	7539.9	7667.0	7662.9	7529.8	7384.5	7283.6
17.5°	6936.6	6960.8	7079.9	7305.8	7588.3	7798.1	7854.6	7717.4	7513.6	7378.5
20°	6692.5	6714.7	6880.1	7196.9	7604.4	7937.3	8084.6	7963.6	7709.4	7525.7
22.5°	6375.7	6410.0	6603.7	7009.2	7566.1	8082.6	8346.9	8264.2	7937.3	7683.1
25°	6036.7	6073.1	6299.0	6779.2	7467.2	8187.5	8657.6	8605.2	8195.6	7878.8
27.5°	5744.2	5782.5	6028.7	6551.2	7313.9	8227.9	8964.3	8990.5	8508.3	8094.7
30°	5514.2	5550.5	5812.8	6367.6	7116.2	8187.5	9232.7	9414.2	8827.1	8282.4
32.5°	5262.0	5308.4	5584.8	6143.7	6882.1	8090.7	9466.7	9872.2	9196.3	8484.1
35°	4943.2	4985.6	5276.1	5837.0	6575.4	7935.3	9662.4	10380.7	9725.0	8790.8
37.5°	4555.8	4596.2	4884.7	5453.6	6270.8	7717.4	9811.7	10953.7	10354.5	9232.7
40°	4166.4	4204.7	4475.1	5025.9	5905.6	7439.0	9864.2	11514.6	11076.8	9840.0
42.5°	3809.3	3843.6	4091.7	4604.2	5496.0	7083.9	9795.6	12002.9	11724.4	10263.7
45°	3480.4	3510.7	3730.6	4208.8	5070.3	6652.1	9589.8	12527.4	12495.2	10566.3
47.5°	3105.1	3135.4	3363.4	3825.4	4644.6	6145.7	9240.7	13044.0	13566.5	11252.3
50°	2647.1	2673.4	2907.4	3383.6	4202.7	5607.0	8756.5	13449.5	14918.3	12291.4
52.5°	2104.4	2132.6	2360.6	2836.8	3678.1	5027.9	8118.9	13713.8	16480.0	13808.6
55°	1565.7	1585.9	1783.6	2211.3	3028.5	4368.2	7319.9	13788.5	18251.4	15882.8
57.5°	1135.9	1148.0	1275.1	1593.9	2296.1	3543.0	6349.5	13594.8	20359.9	18542.0
60°	920.0	924.1	962.4	1103.6	1595.9	2610.8	5177.2	12928.9	22647.9	21969.9
62.5°	835.3	835.3	845.4	883.7	1079.4	1723.1	3758.8	11548.9	25101.3	26301.8
65°	776.8	776.8	780.8	799.0	851.4	1097.6	2372.7	9301.3	27169.4	31376.1
67.5°	724.3	726.3	724.3	730.4	760.6	811.1	1376.0	6424.1	28283.1	36634.0
70°	669.9	673.9	663.8	663.8	688.0	690.0	861.5	3522.8	27359.0	41040.5
72.5°	605.3	611.3	595.2	591.2	609.3	601.3	647.7	1690.8	23489.2	42356.0
75°	548.8	556.9	520.5	510.5	510.5	504.4	526.6	867.6	15245.2	34551.9
77.5°	498.4	514.5	456.0	423.7	415.6	397.5	429.8	530.6	6668.3	16221.7
80°	411.6	433.8	375.3	336.9	322.8	302.6	339.0	371.2	1983.3	3766.9
82.5°	306.7	316.8	266.3	240.1	228.0	213.9	254.2	258.3	645.6	1333.7
85°	195.7	199.7	163.4	141.2	135.2	129.1	161.4	141.2	246.2	980.6
87.5°	68.6	78.7	62.5	56.5	60.5	50.4	74.7	42.4	68.6	692.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7094.0  
7098.0  
7144.4  
7192.8  
7211.0  
7227.1  
7267.5  
7356.3  
7491.4  
7636.7  
7814.3  
8026.1  
8183.5  
8359.0  
8651.6  
9047.0  
9642.2  
10009.4  
10223.3  
10856.8  
11795.0  
13197.3  
15118.1  
17579.6  
20757.3  
24677.6  
29322.2  
34416.7  
40457.4  
43889.4  
36956.9  
15884.8  
3607.5  
1507.2  
1424.4  
857.5  
0.0

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