

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: P943283

Luminaire Tested: **GALN-SB7C-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943283  
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-SB7C-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

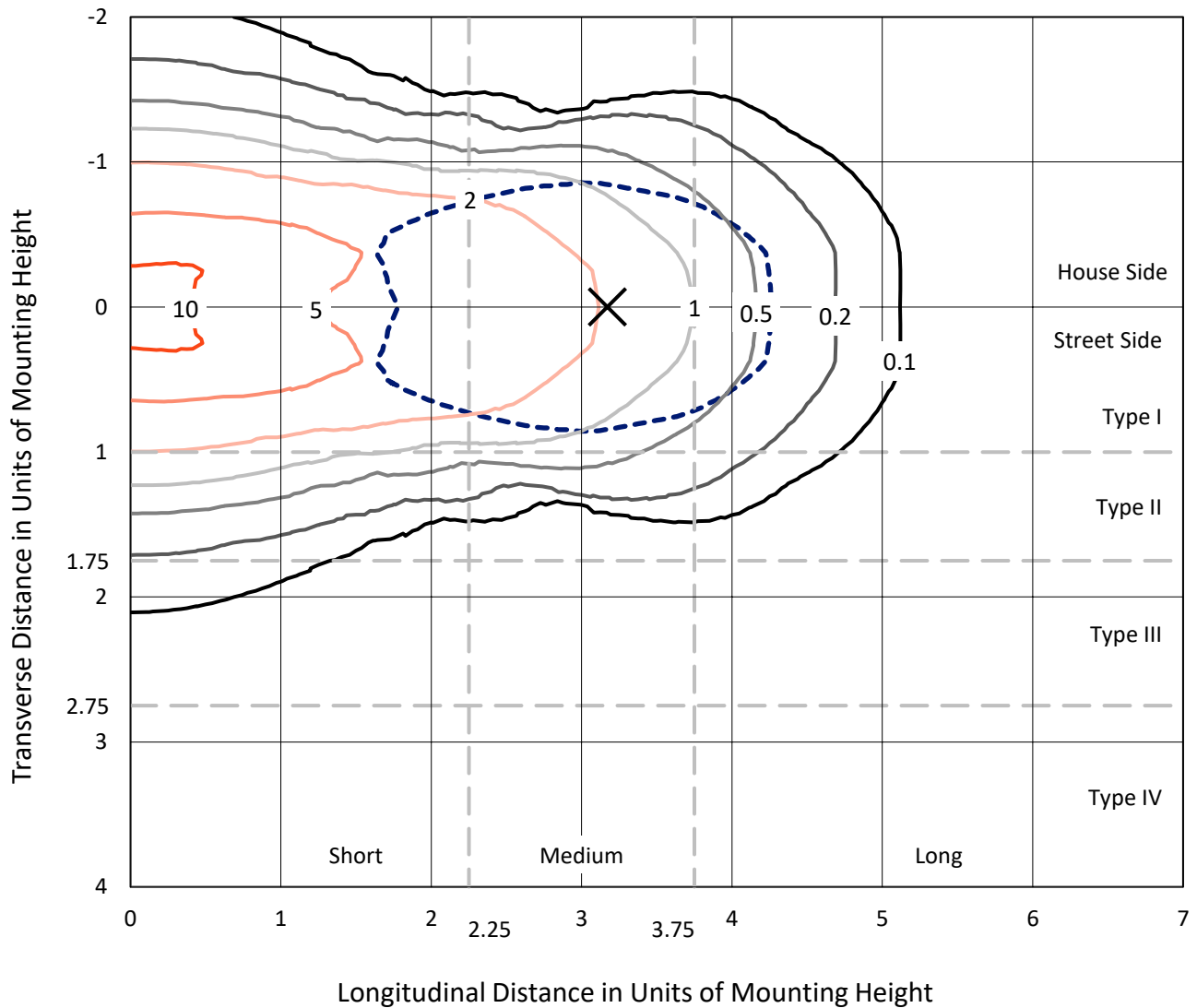
Lumens per Lamp: N/A  
Luminaire Lumens: 38180 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

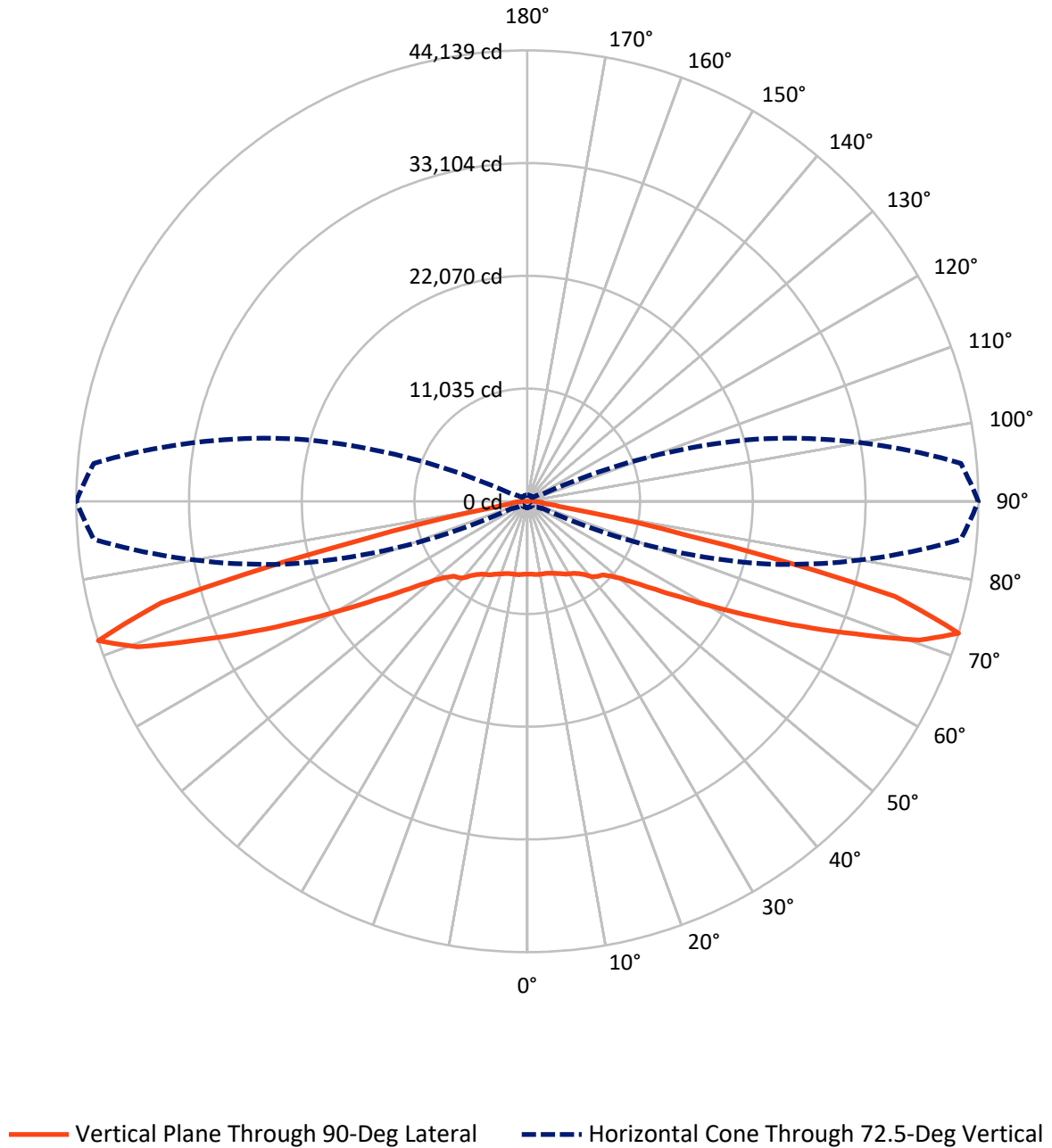
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	19090.0	0.0	19090.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19090.0	0.0	19090.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38180.0	0.0	38180.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	691.8	1.8
10°-20°	2115.1	5.5
20°-30°	3526.8	9.2
30°-40°	4850.4	12.7
40°-50°	5923.7	15.5
50°-60°	6851.4	17.9
60°-70°	8169.1	21.4
70°-80°	5701.5	14.9
80°-90°	350.2	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°	38180.0	100.0
0°-180°	38180.0	100.0

**Coefficient of Utilization**



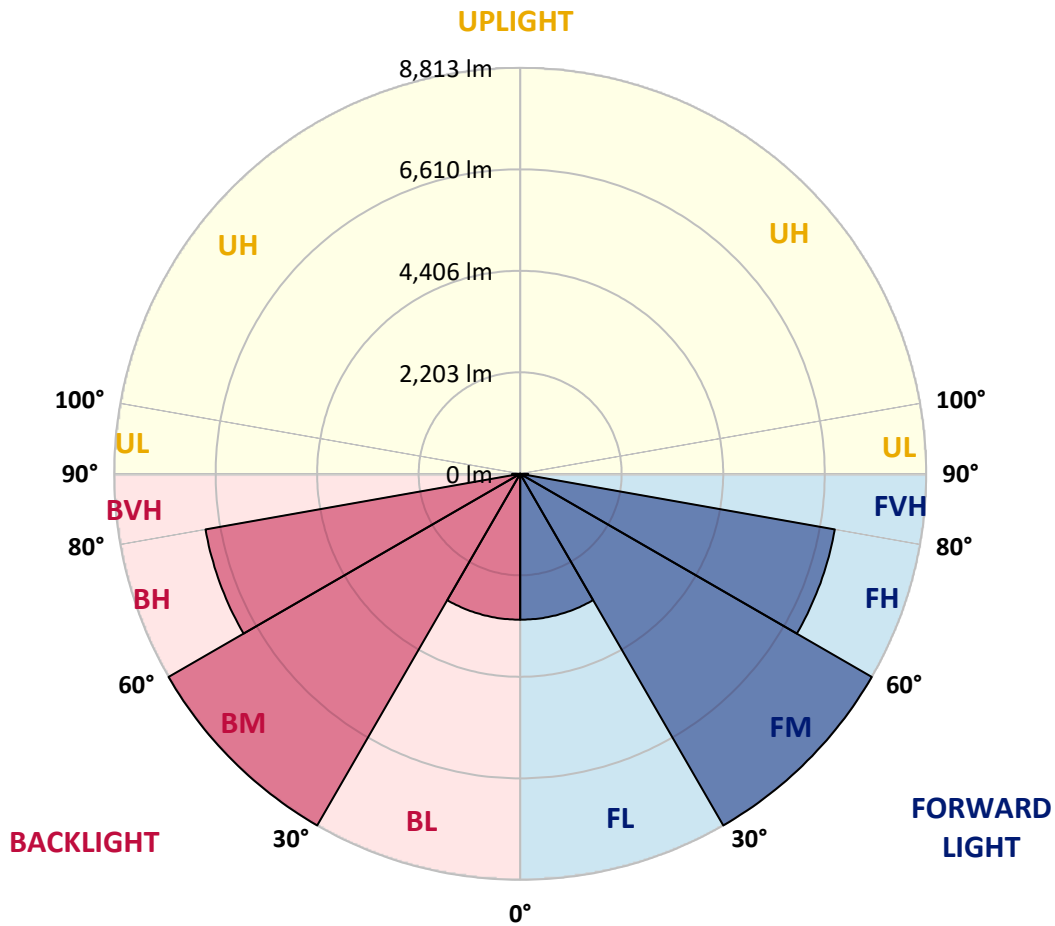
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3166.8	8.3			
FM (30°-60°)	8812.7	23.1			
FH (60°-80°)	6935.3	18.2			G3/7500
FVH (80°-90°)	175.1	0.5			G2/225
BL (0°-30°)	3166.8	8.3	B4/5000		
BM (30°-60°)	8812.7	23.1	B5		
BH (60°-80°)	6935.3	18.2	B5		G5
BVH (80°-90°)	175.1	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°	7134.3	7134.3	7134.3	7134.3	7134.3	7134.3	7134.3	7134.3	7134.3	7134.3
2.5°	7140.4	7148.5	7148.5	7142.5	7156.7	7144.5	7144.5	7138.4	7144.5	7138.4
5°	7176.9	7187.1	7191.2	7189.1	7207.4	7197.2	7197.2	7189.1	7191.2	7185.1
7.5°	7245.9	7260.1	7268.3	7278.4	7304.8	7292.6	7284.5	7260.1	7250.0	7233.8
10°	7268.3	7284.5	7310.9	7363.6	7424.5	7426.5	7402.2	7341.3	7294.6	7258.1
12.5°	7199.3	7221.6	7276.4	7383.9	7519.9	7574.7	7536.1	7434.6	7343.3	7278.4
15°	7112.0	7136.4	7219.6	7381.9	7582.8	7710.6	7706.5	7572.6	7426.5	7325.1
17.5°	6976.1	7000.4	7120.1	7347.4	7631.5	7842.5	7899.3	7761.3	7556.4	7420.4
20°	6730.5	6752.9	6919.3	7237.8	7647.7	7982.5	8130.6	8008.9	7753.2	7568.6
22.5°	6412.0	6446.5	6641.3	7049.1	7609.1	8128.6	8394.4	8311.2	7982.5	7726.8
25°	6071.1	6107.6	6334.9	6817.8	7509.7	8234.1	8706.9	8654.1	8242.2	7923.7
27.5°	5776.9	5815.4	6063.0	6588.5	7355.5	8274.7	9015.3	9041.7	8556.7	8140.8
30°	5545.5	5582.1	5845.9	6403.9	7156.7	8234.1	9285.2	9467.8	8877.3	8329.5
32.5°	5291.9	5338.6	5616.6	6178.6	6921.3	8136.7	9520.6	9928.4	9248.7	8532.4
35°	4971.3	5013.9	5306.1	5870.2	6612.9	7980.5	9717.4	10439.7	9780.3	8840.8
37.5°	4581.7	4622.3	4912.5	5484.7	6306.5	7761.3	9867.5	11016.0	10413.4	9285.2
40°	4190.1	4228.7	4500.6	5054.5	5939.2	7481.3	9920.3	11580.1	11139.8	9895.9
42.5°	3831.0	3865.4	4115.0	4630.4	5527.3	7124.2	9851.3	12071.2	11791.1	10322.1
45°	3500.2	3530.6	3751.8	4232.7	5099.1	6690.0	9644.3	12598.7	12566.3	10626.4
47.5°	3122.8	3153.2	3382.5	3847.2	4671.0	6180.7	9293.3	13118.2	13643.7	11316.3
50°	2662.2	2688.6	2923.9	3402.8	4226.6	5638.9	8806.3	13526.0	15003.2	12361.3
52.5°	2116.4	2144.8	2374.1	2852.9	3699.1	5056.5	8165.1	13791.8	16573.7	13887.2
55°	1574.6	1594.9	1793.7	2223.9	3045.7	4393.0	7361.6	13866.9	18355.3	15973.1
57.5°	1142.4	1154.6	1282.4	1603.0	2309.1	3563.1	6385.6	13672.1	20475.7	18647.5
60°	925.3	929.3	967.9	1109.9	1605.0	2625.7	5206.7	13002.5	22776.7	22094.9
62.5°	840.0	840.0	850.2	888.7	1085.6	1732.9	3780.2	11614.6	25244.1	26451.4
65°	781.2	781.2	785.3	803.5	856.3	1103.8	2386.2	9354.2	27323.9	31554.6
67.5°	728.4	730.5	728.4	734.5	765.0	815.7	1383.9	6460.7	28444.0	36842.5
70°	673.7	677.7	667.6	667.6	691.9	694.0	866.4	3542.8	27514.7	41274.0
72.5°	608.7	614.8	598.6	594.5	612.8	604.7	651.3	1700.4	23622.8	42597.0
75°	551.9	560.0	523.5	513.4	513.4	507.3	529.6	872.5	15331.9	34748.4
77.5°	501.2	517.4	458.6	426.1	418.0	399.7	432.2	533.7	6706.2	16314.0
80°	413.9	436.3	377.4	338.9	324.7	304.4	340.9	373.4	1994.6	3788.3
82.5°	308.4	318.6	267.8	241.5	229.3	215.1	255.7	259.7	649.3	1341.2
85°	196.8	200.9	164.4	142.0	136.0	129.9	162.3	142.0	247.6	986.1
87.5°	69.0	79.1	62.9	56.8	60.9	50.7	75.1	42.6	69.0	696.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7134.3  
7138.4  
7185.1  
7233.8  
7252.0  
7268.3  
7308.8  
7398.1  
7534.1  
7680.2  
7858.7  
8071.8  
8230.1  
8406.6  
8700.8  
9098.5  
9697.1  
10066.4  
10281.5  
10918.6  
11862.2  
13272.4  
15204.1  
17679.6  
20875.4  
24818.0  
29489.0  
34612.5  
40687.6  
44139.1  
37167.1  
15975.2  
3628.0  
1515.7  
1432.5  
862.4  
0.0

OF REPORT)