

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: P943453

Luminaire Tested: **GALN-SB7D-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943453  
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-SB7D-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51878 lumens  
Efficiency: N/A  
Efficacy: 101.2 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

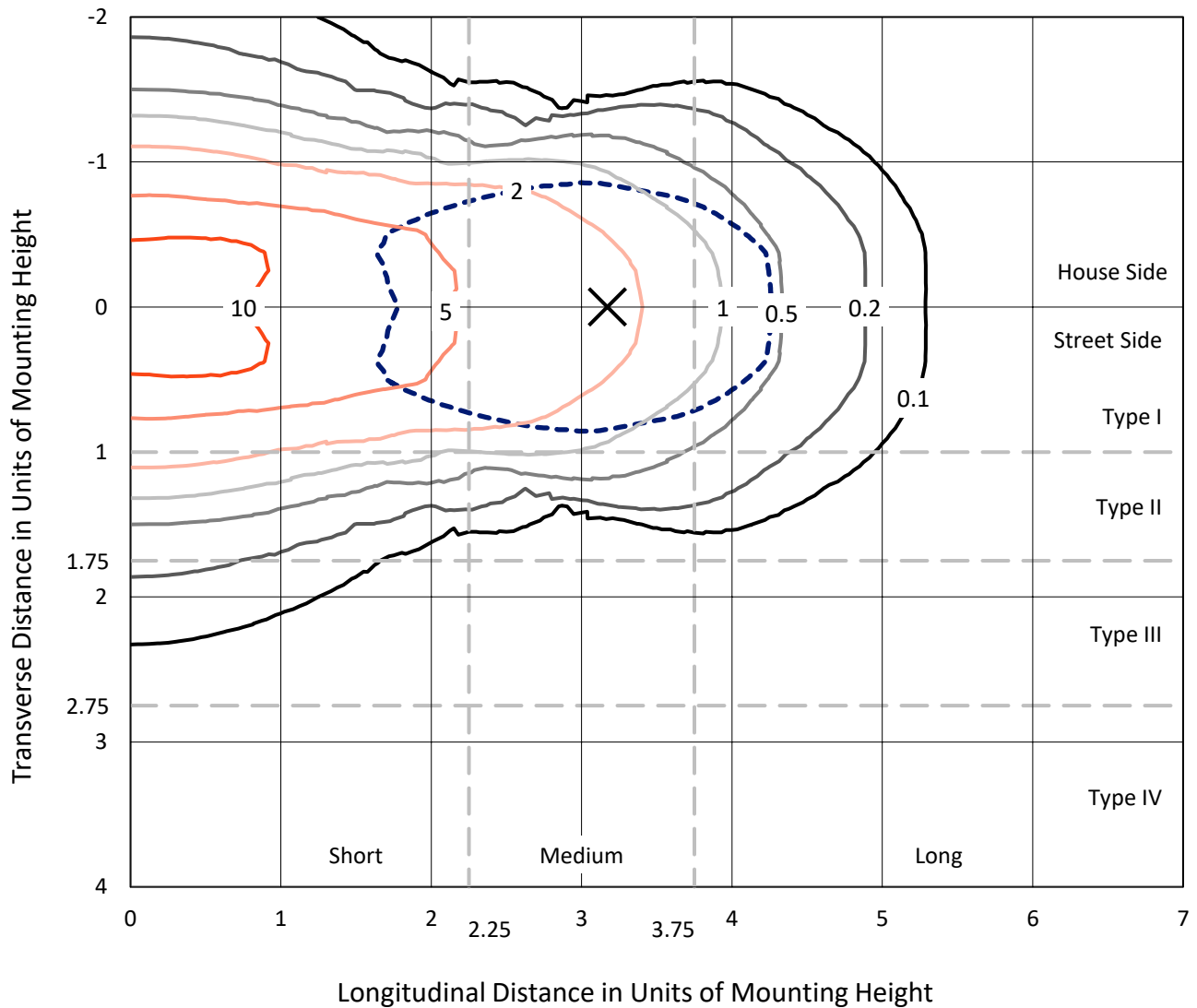
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

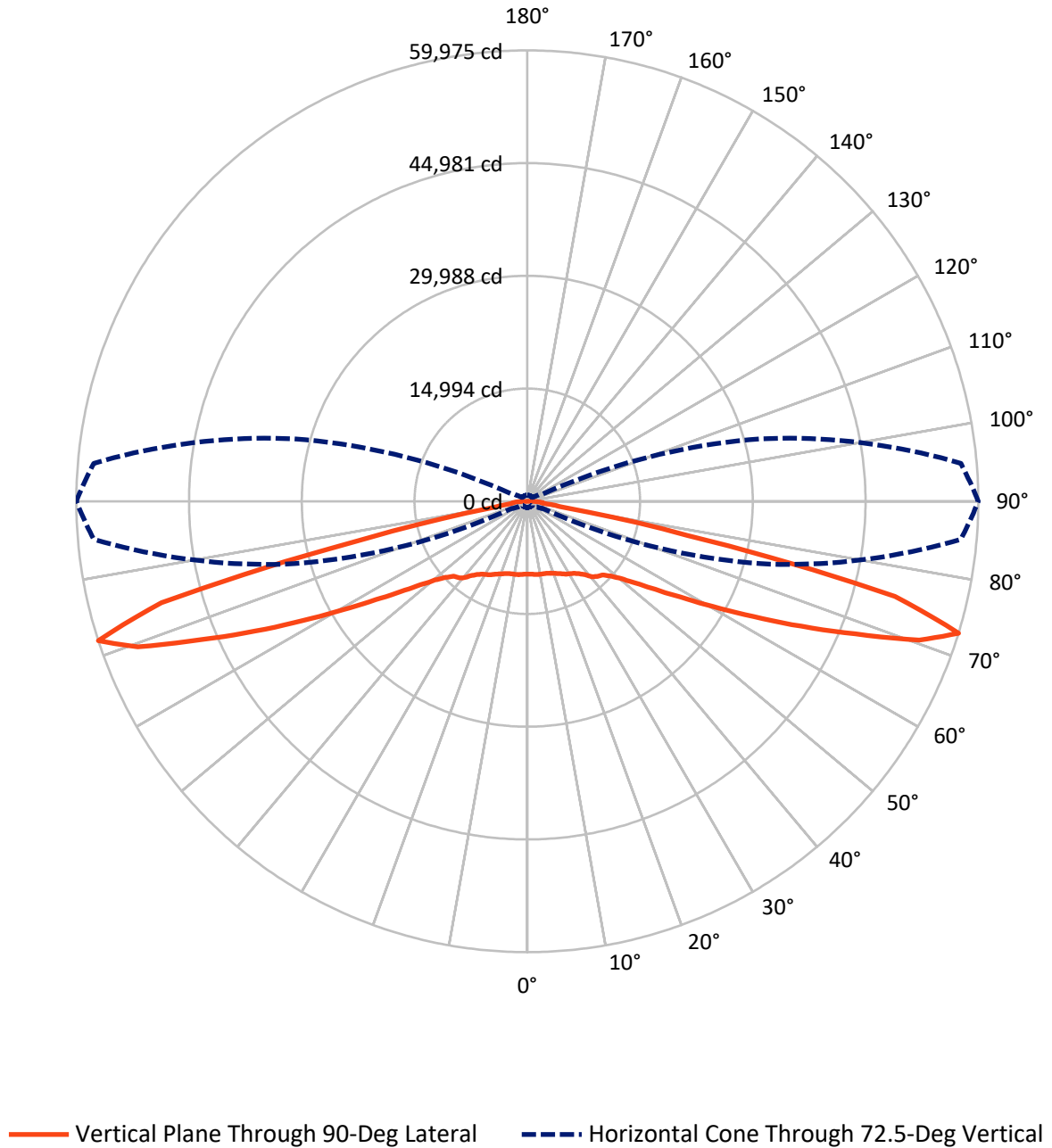
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 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	25939.0	0.0	25939.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25939.0	0.0	25939.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51878.0	0.0	51878.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	939.9	1.8
10°-20°	2874.0	5.5
20°-30°	4792.1	9.2
30°-40°	6590.6	12.7
40°-50°	8049.0	15.5
50°-60°	9309.5	17.9
60°-70°	11100.0	21.4
70°-80°	7747.1	14.9
80°-90°	475.8	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°	51878.0	100.0
0°-180°	51878.0	100.0

**Coefficient of Utilization**



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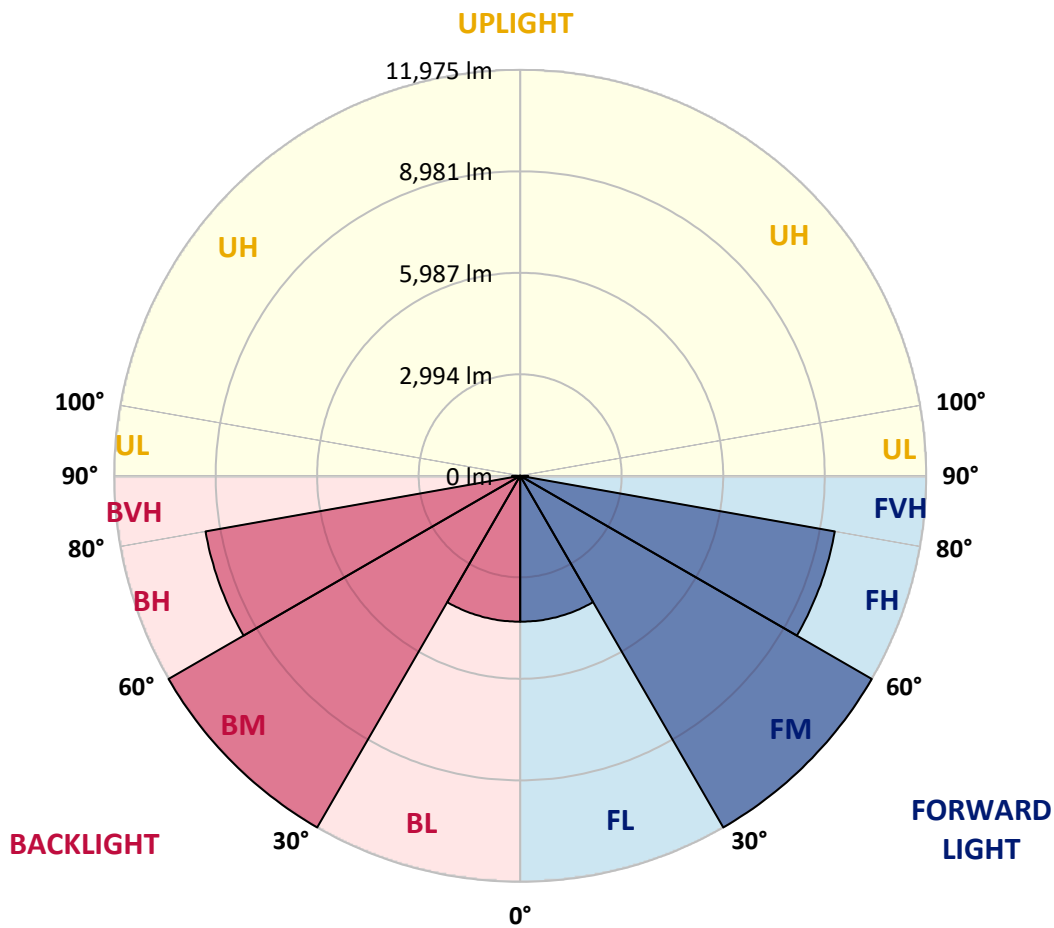
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4303.0	8.3			
FM (30°-60°)	11974.5	23.1			
FH (60°-80°)	9423.5	18.2			G4/12000
FVH (80°-90°)	237.9	0.5			G3/500
BL (0°-30°)	4303.0	8.3	B4/5000		
BM (30°-60°)	11974.5	23.1	B5		
BH (60°-80°)	9423.5	18.2	B5		G5
BVH (80°-90°)	237.9	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°	9694.0	9694.0	9694.0	9694.0	9694.0	9694.0	9694.0	9694.0	9694.0	9694.0
2.5°	9702.2	9713.3	9713.3	9705.0	9724.3	9707.7	9707.7	9699.5	9707.7	9699.5
5°	9751.9	9765.6	9771.2	9768.4	9793.2	9779.4	9779.4	9768.4	9771.2	9762.9
7.5°	9845.6	9864.9	9875.9	9889.7	9925.5	9909.0	9898.0	9864.9	9851.1	9829.0
10°	9875.9	9898.0	9933.8	10005.5	10088.2	10091.0	10057.9	9975.2	9911.8	9862.1
12.5°	9782.2	9812.5	9886.9	10033.1	10217.8	10292.2	10239.9	10102.0	9977.9	9889.7
15°	9663.6	9696.7	9809.7	10030.3	10303.3	10477.0	10471.5	10289.5	10091.0	9953.1
17.5°	9478.9	9512.0	9674.7	9983.4	10369.4	10656.2	10733.4	10545.9	10267.4	10082.7
20°	9145.3	9175.6	9401.7	9834.6	10391.5	10846.4	11047.7	10882.3	10534.9	10284.0
22.5°	8712.4	8759.3	9024.0	9578.2	10339.1	11044.9	11406.1	11293.1	10846.4	10499.0
25°	8249.2	8298.9	8607.7	9263.8	10204.0	11188.3	11830.7	11759.0	11199.3	10766.5
27.5°	7849.5	7901.8	8238.2	8952.3	9994.5	11243.4	12249.8	12285.6	11626.7	11061.5
30°	7535.1	7584.8	7943.2	8701.4	9724.3	11188.3	12616.5	12864.6	12062.3	11317.9
32.5°	7190.5	7253.9	7631.6	8395.4	9404.5	11056.0	12936.3	13490.5	12566.8	11593.6
35°	6754.9	6812.8	7209.8	7976.3	8985.4	10843.7	13203.7	14185.3	13289.2	12012.7
37.5°	6225.5	6280.7	6674.9	7452.4	8569.1	10545.9	13407.8	14968.3	14149.4	12616.5
40°	5693.4	5745.8	6115.2	6867.9	8070.0	10165.4	13479.4	15734.8	15136.5	13446.4
42.5°	5205.4	5252.3	5591.4	6291.7	7510.3	9680.2	13385.7	16402.0	16021.5	14025.4
45°	4756.0	4797.3	5097.9	5751.3	6928.6	9090.1	13104.5	17118.8	17074.7	14438.9
47.5°	4243.2	4284.5	4596.1	5227.5	6346.8	8398.1	12627.5	17824.6	18538.7	15376.3
50°	3617.3	3653.2	3973.0	4623.7	5743.0	7662.0	11965.8	18378.8	20386.0	16796.2
52.5°	2875.7	2914.3	3225.8	3876.5	5026.2	6870.7	11094.6	18740.0	22520.0	18869.6
55°	2139.5	2167.1	2437.3	3021.8	4138.4	5969.1	10002.7	18842.0	24940.7	21703.9
57.5°	1552.2	1568.8	1742.5	2178.1	3137.6	4841.5	8676.6	18577.3	27821.9	25337.7
60°	1257.2	1262.8	1315.1	1508.1	2180.9	3567.7	7074.7	17667.5	30948.4	30022.0
62.5°	1141.4	1141.4	1155.2	1207.6	1475.0	2354.6	5136.5	15781.6	34301.0	35941.5
65°	1061.5	1061.5	1067.0	1091.8	1163.5	1499.9	3242.3	12710.2	37127.1	42875.6
67.5°	989.8	992.6	989.8	998.1	1039.4	1108.4	1880.3	8778.6	38649.0	50060.6
70°	915.4	920.9	907.1	907.1	940.2	942.9	1177.3	4813.9	37386.2	56082.1
72.5°	827.1	835.4	813.3	807.8	832.6	821.6	885.0	2310.4	32098.1	57879.7
75°	749.9	761.0	711.3	697.5	697.5	689.3	719.6	1185.6	20832.6	47215.3
77.5°	681.0	703.1	623.1	579.0	568.0	543.1	587.3	725.1	9112.2	22167.1
80°	562.4	592.8	512.8	460.4	441.1	413.6	463.2	507.3	2710.2	5147.5
82.5°	419.1	432.9	363.9	328.1	311.6	292.3	347.4	352.9	882.3	1822.4
85°	267.4	273.0	223.3	193.0	184.7	176.5	220.6	193.0	336.4	1339.9
87.5°	93.7	107.5	85.5	77.2	82.7	68.9	102.0	57.9	93.7	945.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9694.0  
9699.5  
9762.9  
9829.0  
9853.9  
9875.9  
9931.1  
10052.4  
10237.1  
10435.6  
10678.2  
10967.7  
11182.8  
11422.7  
11822.4  
12362.8  
13176.2  
13678.0  
13970.2  
14835.9  
16118.0  
18034.2  
20658.9  
24022.6  
28365.0  
33722.0  
40068.9  
47030.6  
55285.3  
59975.1  
50501.7  
21706.6  
4929.7  
2059.6  
1946.5  
1171.8  
0.0

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