

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: P943303

Luminaire Tested: **GALN-SB7D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943303
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-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59141 lumens
Efficiency: N/A
Efficacy: 115.3 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



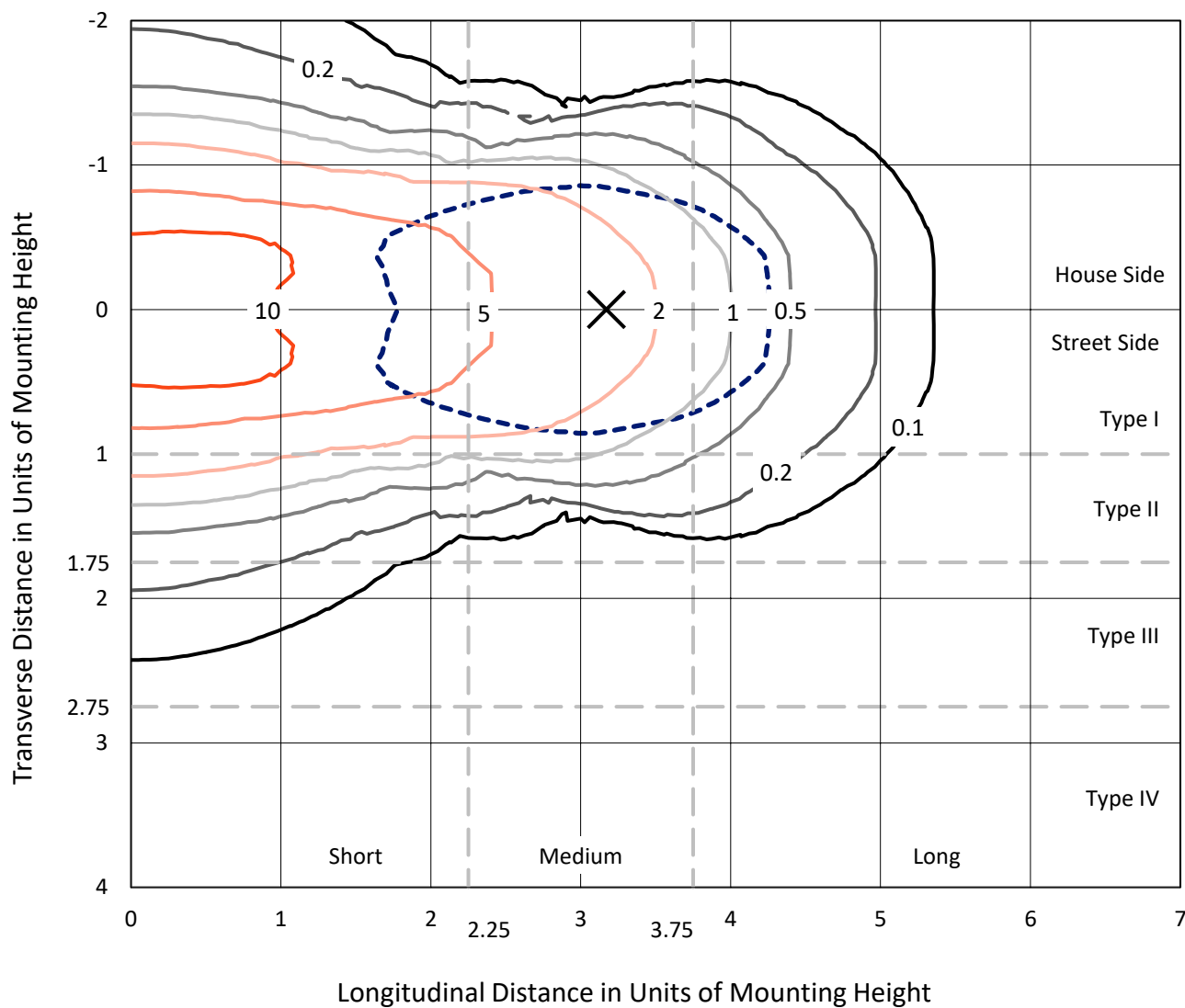
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

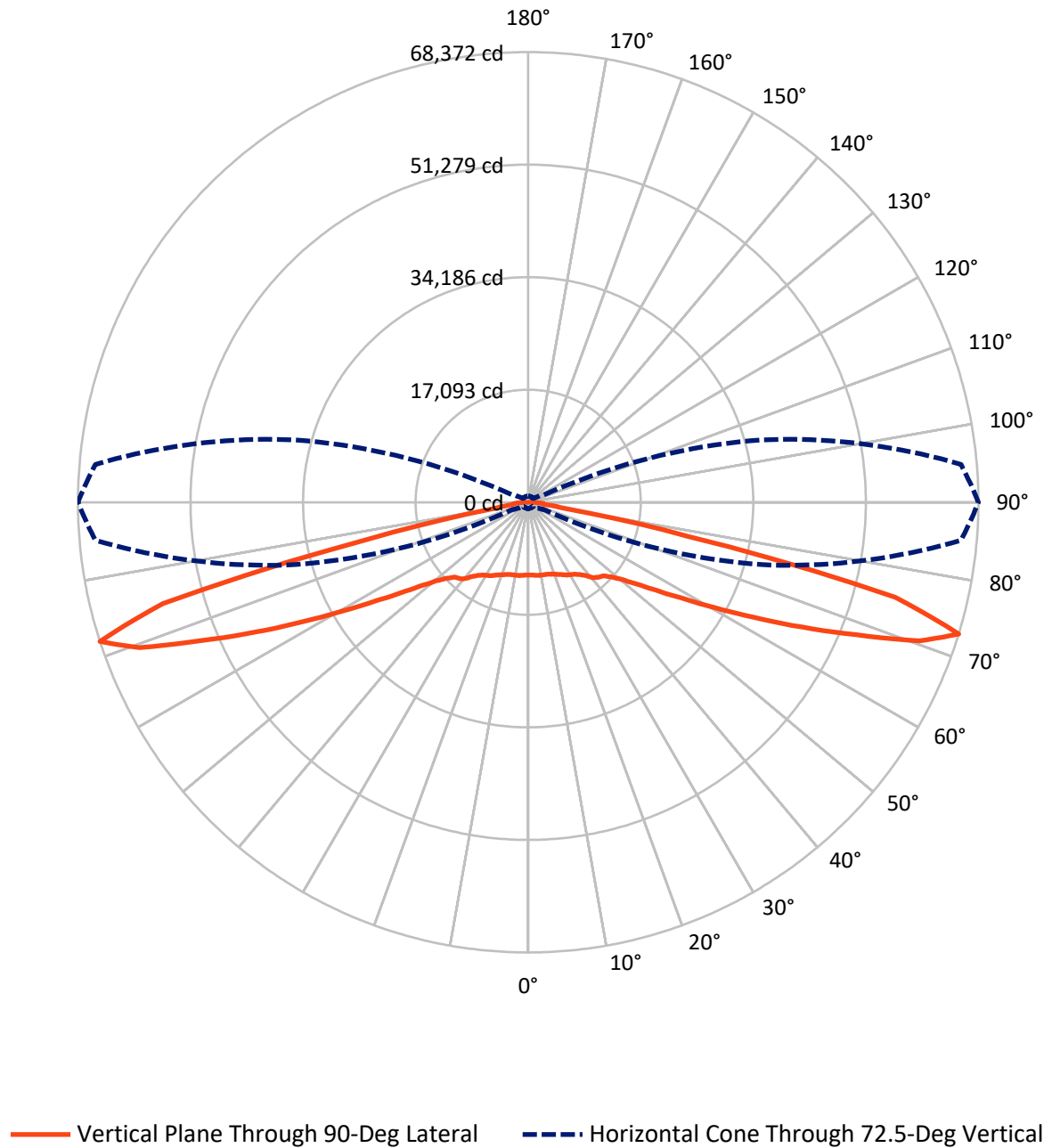


Based on 25 foot mounting height. Maximum calculated value = 17.7 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29570.5	0.0	29570.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29570.5	0.0	29570.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59141.0	0.0	59141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1071.5	1.8
10°-20°	3276.3	5.5
20°-30°	5463.0	9.2
30°-40°	7513.3	12.7
40°-50°	9175.8	15.5
50°-60°	10612.8	17.9
60°-70°	12654.0	21.4
70°-80°	8831.7	14.9
80°-90°	542.5	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°	59141.0	100.0
0°-180°	59141.0	100.0

Coefficient of Utilization



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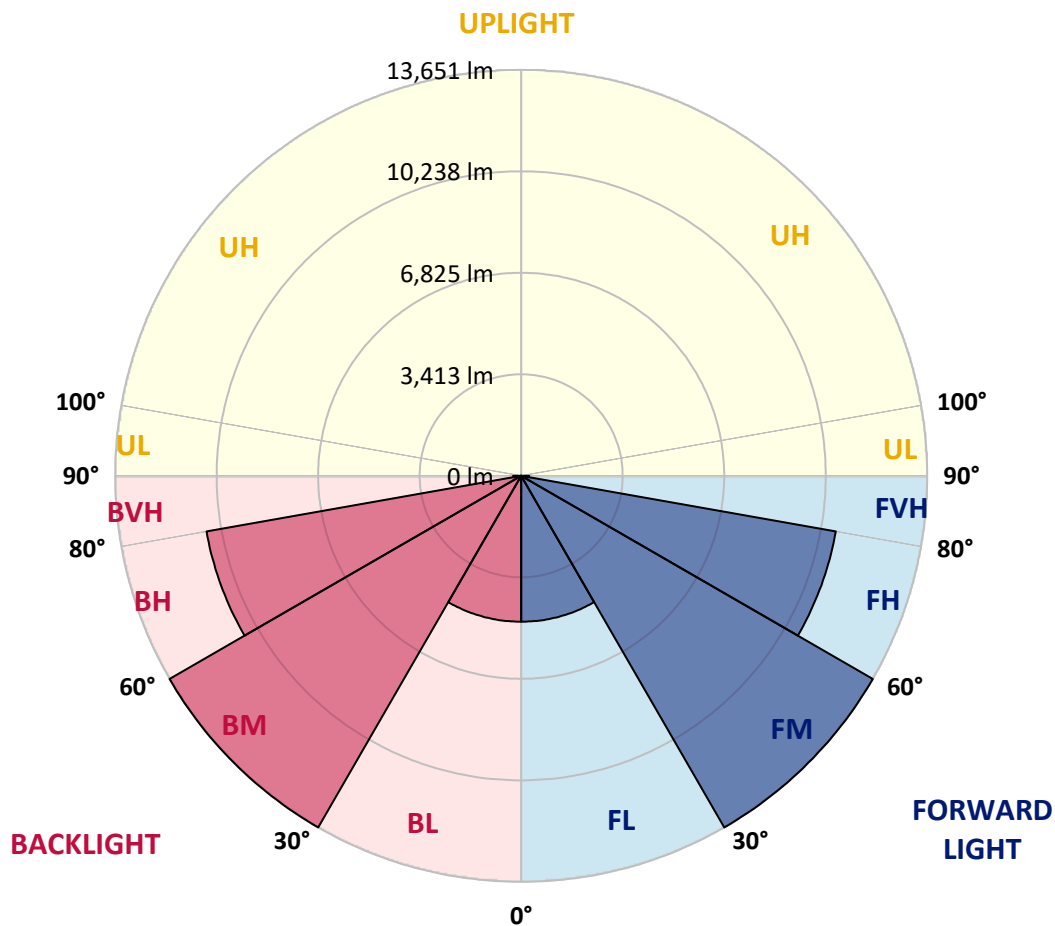
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4905.4	8.3			
FM	(30°-60°)	13651.0	23.1			
FH	(60°-80°)	10742.9	18.2			G4/12000
FVH	(80°-90°)	271.2	0.5			G3/500
BL	(0°-30°)	4905.4	8.3	B4/5000		
BM	(30°-60°)	13651.0	23.1	B5		
BH	(60°-80°)	10742.9	18.2	B5		G5
BVH	(80°-90°)	271.2	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°	90°
0°	11051.1	11051.1	11051.1	11051.1	11051.1	11051.1	11051.1	11051.1	11051.1	11051.1	11051.1
2.5°	11060.5	11073.1	11073.1	11063.7	11085.7	11066.8	11066.8	11057.4	11066.8	11057.4	11057.4
5°	11117.1	11132.8	11139.1	11136.0	11164.3	11148.6	11148.6	11136.0	11139.1	11129.7	11129.7
7.5°	11224.0	11246.0	11258.6	11274.3	11315.1	11296.3	11283.7	11246.0	11230.3	11205.1	11205.1
10°	11258.6	11283.7	11324.6	11406.3	11500.6	11503.7	11466.0	11371.7	11299.4	11242.8	11233.4
12.5°	11151.7	11186.3	11271.1	11437.7	11648.3	11733.2	11673.5	11516.3	11374.9	11274.3	11258.6
15°	11016.5	11054.3	11183.1	11434.6	11745.7	11943.8	11937.5	11730.0	11503.7	11346.6	11321.4
17.5°	10806.0	10843.7	11029.1	11381.1	11821.2	12148.1	12236.1	12022.3	11704.9	11494.3	11459.7
20°	10425.6	10460.2	10718.0	11211.4	11846.3	12364.9	12594.4	12405.8	12009.8	11723.7	11670.3
22.5°	9932.2	9985.6	10287.3	10919.1	11786.6	12591.2	13003.0	12874.1	12364.9	11968.9	11896.6
25°	9404.1	9460.7	9812.7	10560.8	11632.6	12754.7	13487.0	13405.3	12767.2	12273.8	12173.2
27.5°	8948.4	9008.1	9391.6	10205.6	11393.7	12817.5	13964.8	14005.6	13254.4	12610.1	12503.2
30°	8590.1	8646.7	9055.3	9919.6	11085.7	12754.7	14382.8	14665.7	13751.0	12902.4	12748.4
32.5°	8197.2	8269.5	8700.1	9570.7	10721.1	12603.8	14747.4	15379.2	14326.2	13216.7	13021.8
35°	7700.6	7766.6	8219.2	9093.0	10243.3	12361.8	15052.3	16171.2	15149.7	13694.5	13477.6
37.5°	7097.1	7160.0	7609.4	8495.8	9768.7	12022.3	15284.9	17063.9	16130.4	14382.8	14093.6
40°	6490.5	6550.2	6971.4	7829.4	9199.8	11588.6	15366.6	17937.6	17255.6	15328.9	15020.8
42.5°	5934.2	5987.6	6374.2	7172.5	8561.8	11035.4	15259.7	18698.3	18264.5	15988.9	15592.9
45°	5421.8	5469.0	5811.6	6556.5	7898.6	10362.8	14939.1	19515.5	19465.2	16460.4	15926.1
47.5°	4837.2	4884.4	5239.5	5959.3	7235.4	9573.9	14395.4	20320.1	21134.2	17529.0	16913.0
50°	4123.7	4164.6	4529.2	5271.0	6547.1	8734.7	13641.0	20951.9	23240.0	19147.7	18374.5
52.5°	3278.2	3322.3	3677.4	4419.2	5729.9	7832.6	12647.8	21363.6	25672.8	21511.3	20559.0
55°	2439.0	2470.5	2778.5	3444.8	4717.8	6804.8	11403.1	21479.9	28432.4	24742.4	23551.2
57.5°	1769.6	1788.4	1986.4	2483.0	3576.8	5519.3	9891.3	21178.2	31717.0	28885.0	27385.8
60°	1433.3	1439.5	1499.3	1719.3	2486.2	4067.2	8065.2	20140.9	35281.2	34225.2	32336.2
62.5°	1301.2	1301.2	1317.0	1376.7	1681.6	2684.2	5855.6	17991.1	39103.2	40973.4	38443.2
65°	1210.1	1210.1	1216.4	1244.7	1326.4	1709.8	3696.3	14489.7	42324.9	48878.3	45678.6
67.5°	1128.4	1131.5	1128.4	1137.8	1184.9	1263.5	2143.6	10007.6	44059.9	57069.2	53614.9
70°	1043.5	1049.8	1034.1	1034.1	1071.8	1074.9	1342.1	5487.8	42620.4	63933.7	63025.3
72.5°	942.9	952.4	927.2	920.9	949.2	936.6	1008.9	2633.9	36591.9	65983.0	68371.7
75°	854.9	867.5	810.9	795.2	795.2	785.8	820.3	1351.5	23749.2	53825.5	57572.1
77.5°	776.3	801.5	710.3	660.0	647.5	619.2	669.5	826.6	10387.9	25270.5	24745.6
80°	641.2	675.8	584.6	524.9	502.9	471.5	528.0	578.3	3089.7	5868.2	5619.9
82.5°	477.8	493.5	414.9	374.0	355.2	333.2	396.0	402.3	1005.8	2077.6	2347.9
85°	304.9	311.2	254.6	220.0	210.6	201.2	251.4	220.0	383.5	1527.5	2219.0
87.5°	106.9	122.6	97.4	88.0	94.3	78.6	116.3	66.0	106.9	1078.1	1335.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)