

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: P942483

Luminaire Tested: **GALN-SB6C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942483
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-SB6C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44927 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

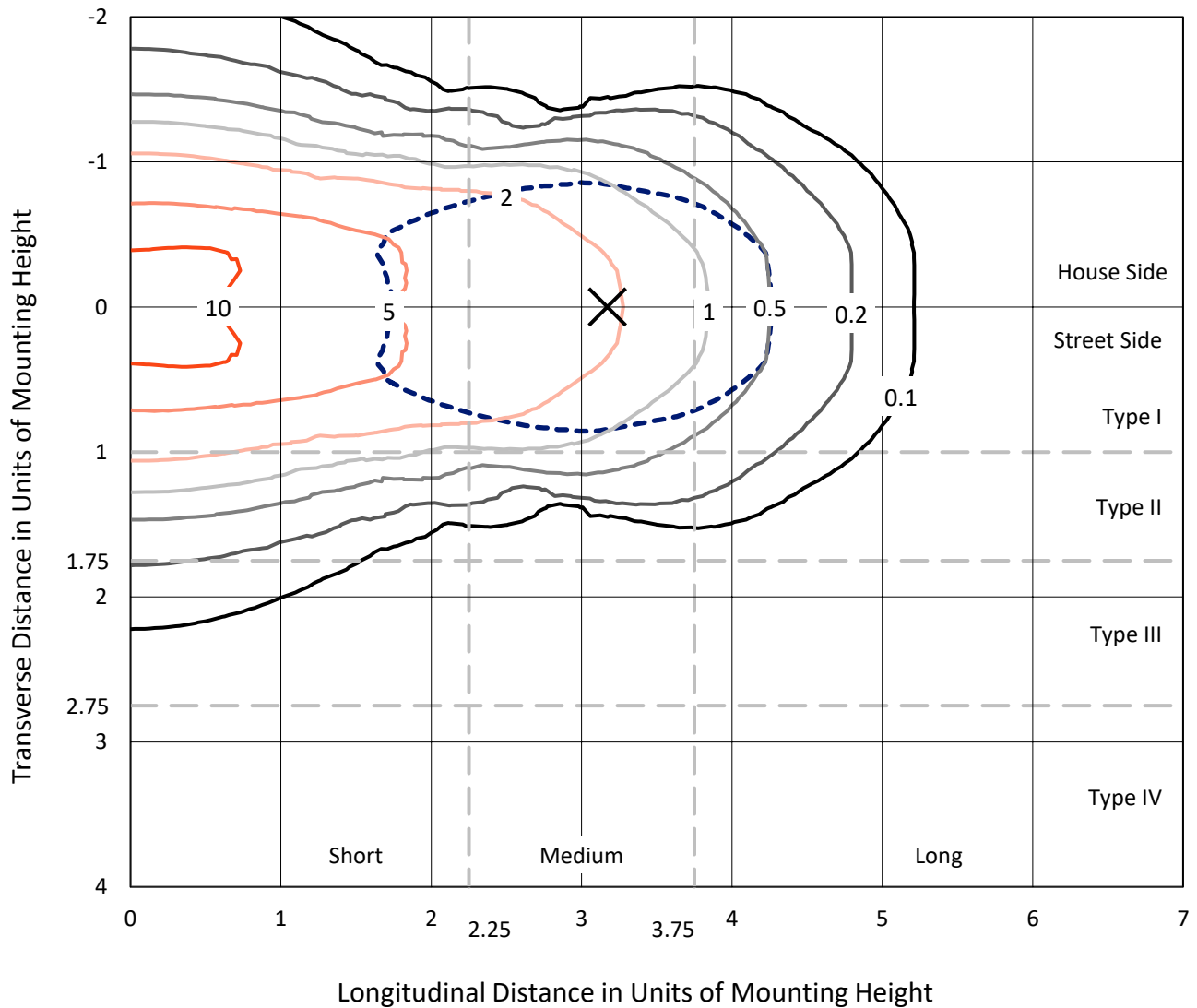
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

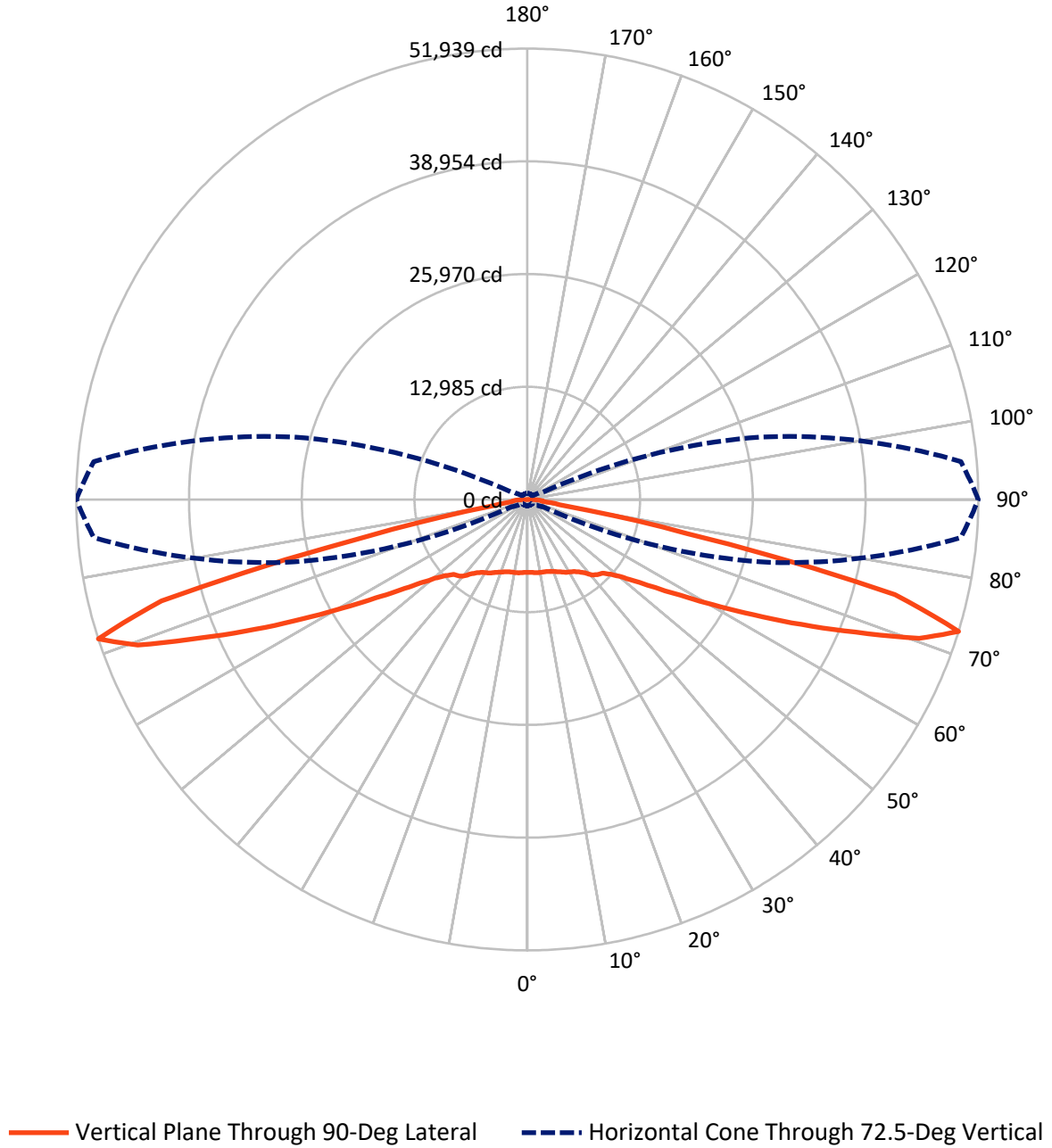
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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	22463.5	0.0	22463.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22463.5	0.0	22463.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44927.0	0.0	44927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	814.0	1.8
10°-20°	2488.9	5.5
20°-30°	4150.0	9.2
30°-40°	5707.6	12.7
40°-50°	6970.5	15.5
50°-60°	8062.1	17.9
60°-70°	9612.8	21.4
70°-80°	6709.1	14.9
80°-90°	412.1	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°	44927.0	100.0
0°-180°	44927.0	100.0

Coefficient of Utilization



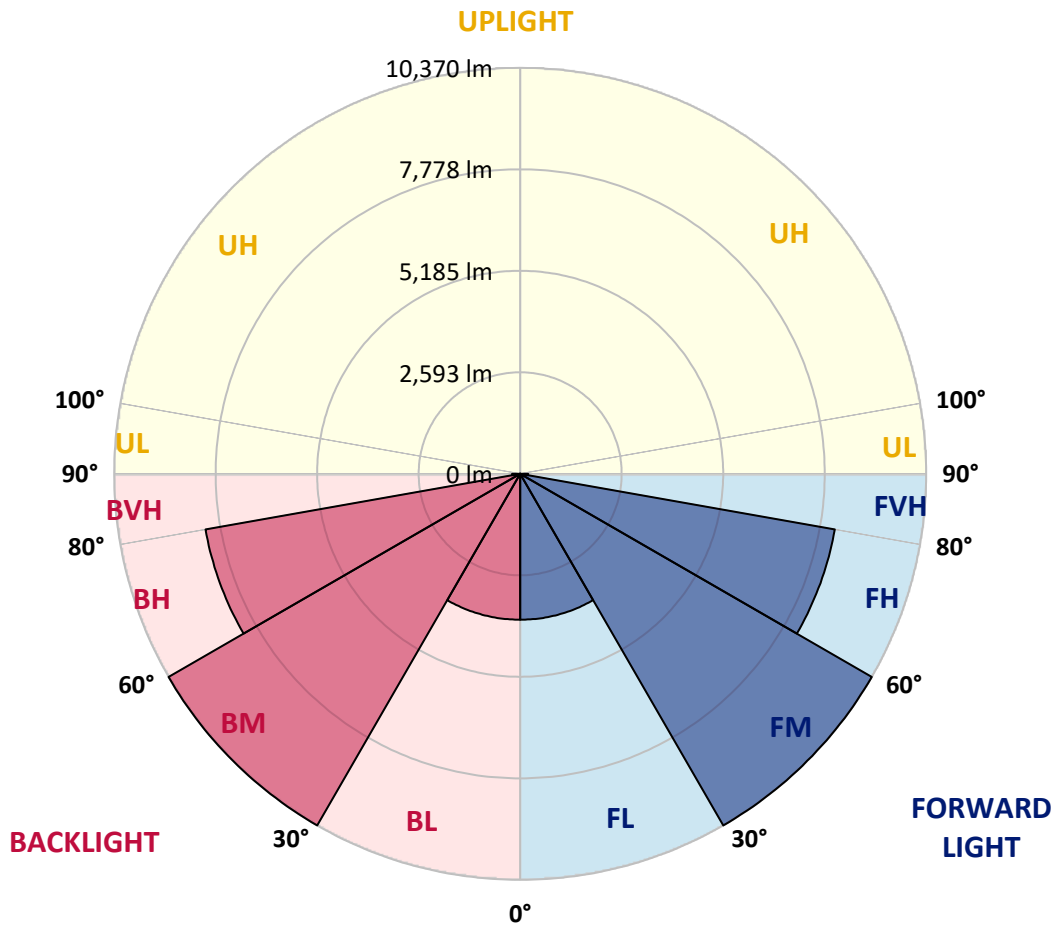
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3726.5	8.3			
FM (30°-60°)	10370.1	23.1			
FH (60°-80°)	8160.9	18.2			G4/12000
FVH (80°-90°)	206.0	0.5			G2/225
BL (0°-30°)	3726.5	8.3	B4/5000		
BM (30°-60°)	10370.1	23.1	B5		
BH (60°-80°)	8160.9	18.2	B5		G5
BVH (80°-90°)	206.0	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°	8395.1	8395.1	8395.1	8395.1	8395.1	8395.1	8395.1	8395.1	8395.1	8395.1
2.5°	8402.2	8411.8	8411.8	8404.6	8421.3	8407.0	8407.0	8399.9	8407.0	8399.9
5°	8445.2	8457.2	8461.9	8459.6	8481.0	8469.1	8469.1	8459.6	8461.9	8454.8
7.5°	8526.4	8543.1	8552.7	8564.6	8595.6	8581.3	8571.8	8543.1	8531.2	8512.1
10°	8552.7	8571.8	8602.8	8664.9	8736.5	8738.9	8710.3	8638.6	8583.7	8540.7
12.5°	8471.5	8497.8	8562.2	8688.8	8848.7	8913.2	8867.8	8748.5	8641.0	8564.6
15°	8368.8	8397.5	8495.4	8686.4	8922.8	9073.2	9068.4	8910.8	8738.9	8619.5
17.5°	8208.8	8237.5	8378.4	8645.8	8980.1	9228.4	9295.2	9132.9	8891.7	8731.7
20°	7919.9	7946.2	8142.0	8516.9	8999.2	9393.1	9567.4	9424.2	9123.3	8906.0
22.5°	7545.1	7585.7	7814.9	8294.8	8953.8	9565.0	9877.8	9779.9	9393.1	9092.3
25°	7143.9	7186.9	7454.3	8022.6	8836.8	9689.2	10245.5	10183.5	9698.8	9323.9
27.5°	6797.7	6843.1	7134.4	7752.8	8655.3	9737.0	10608.5	10639.5	10068.8	9579.4
30°	6525.5	6568.5	6878.9	7535.5	8421.3	9689.2	10926.0	11140.9	10446.1	9801.4
32.5°	6227.1	6282.0	6609.1	7270.5	8144.4	9574.6	11203.0	11682.9	10883.0	10040.2
35°	5849.8	5900.0	6243.8	6907.6	7781.5	9390.7	11434.6	12284.6	11508.6	10403.1
37.5°	5391.4	5439.1	5780.6	6453.9	7420.9	9132.9	11611.3	12962.7	12253.6	10926.0
40°	4930.6	4975.9	5295.9	5947.7	6988.7	8803.4	11673.4	13626.5	13108.4	11644.7
42.5°	4507.9	4548.5	4842.2	5448.7	6504.0	8383.1	11592.2	14204.3	13874.8	12146.1
45°	4118.7	4154.6	4414.8	4980.7	6000.2	7872.2	11348.6	14825.1	14786.9	12504.3
47.5°	3674.6	3710.5	3980.3	4527.0	5496.4	7272.9	10935.6	15436.4	16054.8	13316.1
50°	3132.6	3163.7	3440.6	4004.1	4973.5	6635.4	10362.5	15916.3	17654.5	14545.7
52.5°	2490.4	2523.8	2793.6	3357.1	4352.7	5950.1	9608.0	16229.1	19502.6	16341.3
55°	1852.8	1876.7	2110.7	2616.9	3583.9	5169.3	8662.5	16317.4	21599.0	18795.8
57.5°	1344.3	1358.6	1509.0	1886.3	2717.2	4192.8	7514.0	16088.2	24094.1	21942.8
60°	1088.8	1093.6	1138.9	1306.1	1888.7	3089.7	6126.8	15300.3	26801.7	25999.5
62.5°	988.5	988.5	1000.4	1045.8	1277.4	2039.1	4448.2	13667.1	29705.1	31125.8
65°	919.3	919.3	924.0	945.5	1007.6	1298.9	2807.9	11007.2	32152.5	37130.8
67.5°	857.2	859.6	857.2	864.3	900.2	959.8	1628.4	7602.4	33470.5	43353.1
70°	792.7	797.5	785.5	785.5	814.2	816.6	1019.5	4168.9	32376.9	48567.8
72.5°	716.3	723.5	704.4	699.6	721.1	711.5	766.4	2000.9	27797.4	50124.6
75°	649.4	659.0	616.0	604.1	604.1	596.9	623.2	1026.7	18041.3	40889.0
77.5°	589.8	608.9	539.6	501.4	491.9	470.4	508.6	628.0	7891.3	19197.0
80°	487.1	513.4	444.1	398.7	382.0	358.2	401.1	439.3	2347.1	4457.8
82.5°	362.9	374.9	315.2	284.1	269.8	253.1	300.8	305.6	764.1	1578.3
85°	231.6	236.4	193.4	167.1	160.0	152.8	191.0	167.1	291.3	1160.4
87.5°	81.2	93.1	74.0	66.9	71.6	59.7	88.3	50.1	81.2	819.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8395.1
8399.9
8454.8
8512.1
8533.6
8552.7
8600.4
8705.5
8865.5
9037.4
9247.5
9498.2
9684.4
9892.2
10238.4
10706.4
11410.7
11845.3
12098.4
12848.1
13958.4
15617.8
17890.9
20803.9
24564.5
29203.7
34700.2
40729.1
47877.8
51939.2
43735.1
18798.2
4269.2
1783.6
1685.7
1014.8
0.0

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