

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: P944183

Luminaire Tested: **GALN-SB9A-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944183
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-SB9A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40419 lumens
Efficiency: N/A
Efficacy: 158.2 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

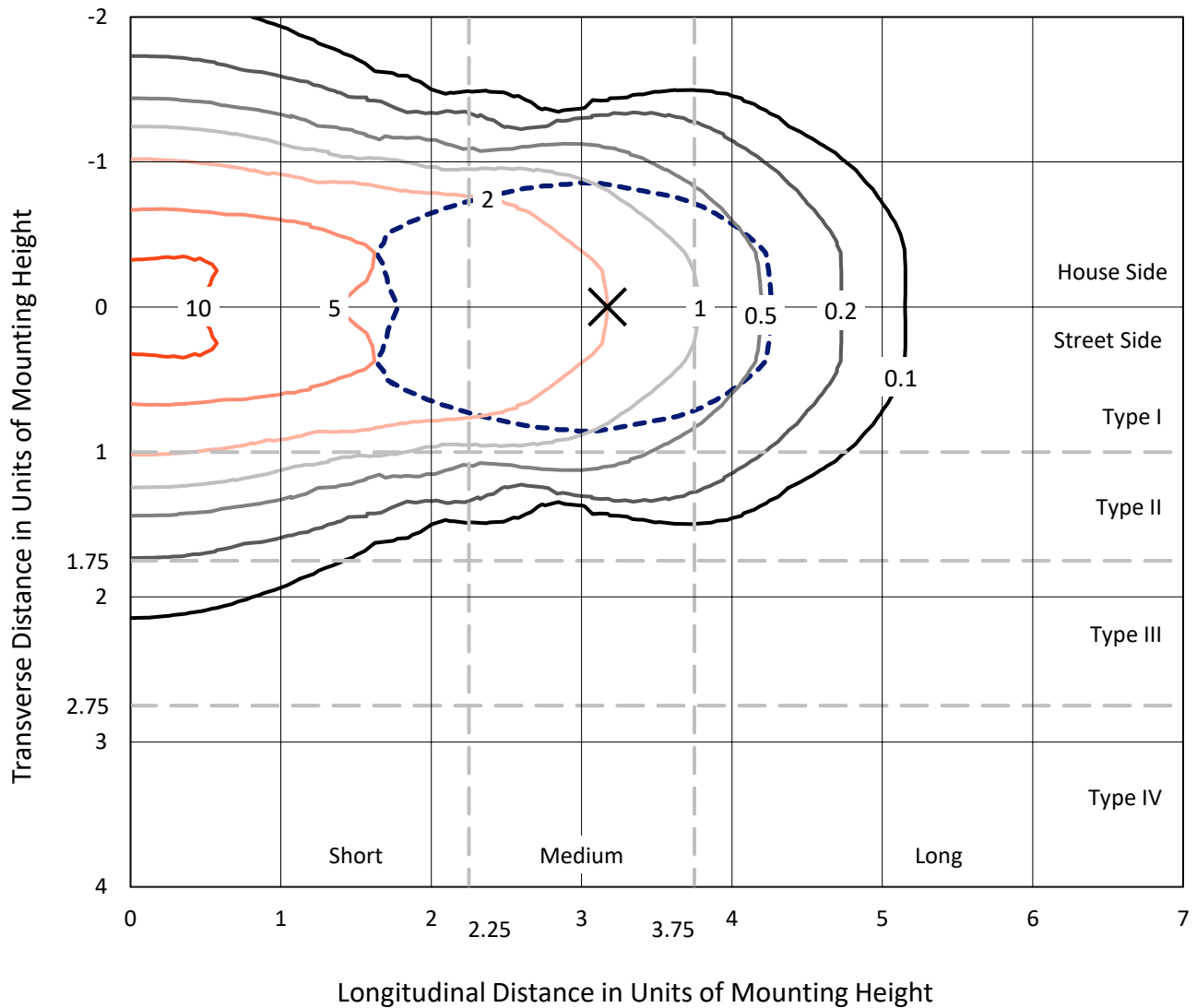
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

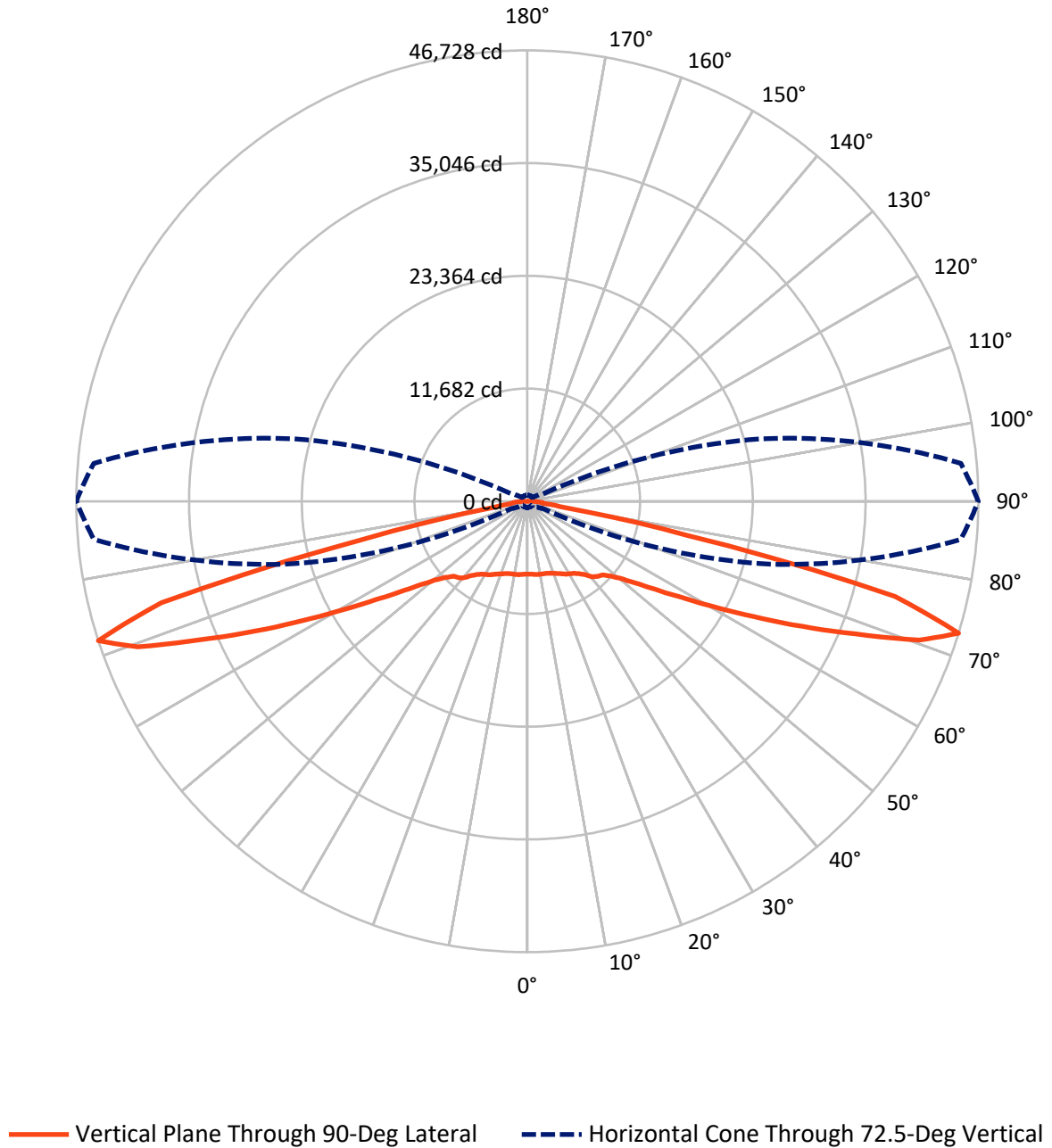
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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	20209.5	0.0	20209.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20209.5	0.0	20209.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40419.0	0.0	40419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.3	1.8
10°-20°	2239.2	5.5
20°-30°	3733.6	9.2
30°-40°	5134.9	12.7
40°-50°	6271.1	15.5
50°-60°	7253.2	17.9
60°-70°	8648.2	21.4
70°-80°	6035.9	14.9
80°-90°	370.7	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°	40419.0	100.0
0°-180°	40419.0	100.0

Coefficient of Utilization



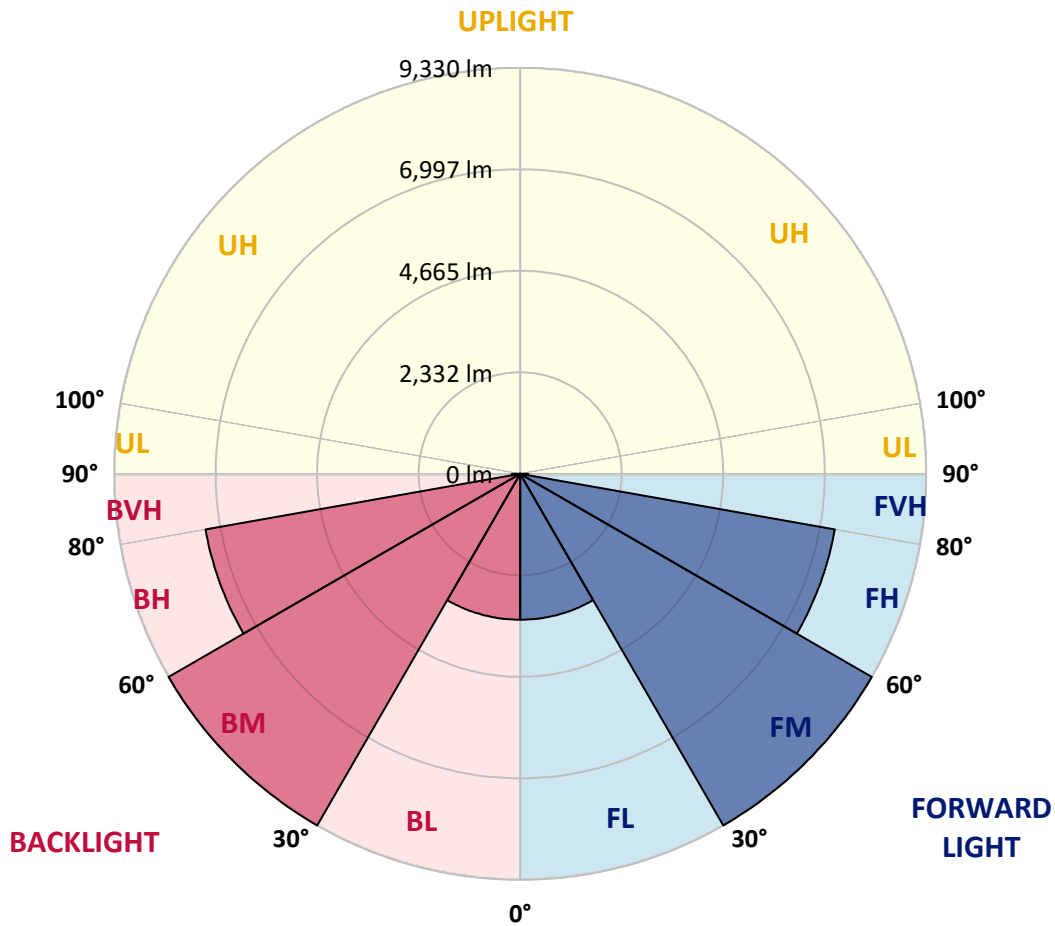
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3352.5	8.3			
FM (30°-60°)	9329.5	23.1			
FH (60°-80°)	7342.0	18.2			G3/7500
FVH (80°-90°)	185.4	0.5			G2/225
BL (0°-30°)	3352.5	8.3	B4/5000		
BM (30°-60°)	9329.5	23.1	B5		
BH (60°-80°)	7342.0	18.2	B5		G5
BVH (80°-90°)	185.4	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°	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7
2.5°	7559.2	7567.8	7567.8	7561.3	7576.3	7563.5	7563.5	7557.0	7563.5	7557.0
5°	7597.8	7608.6	7612.9	7610.7	7630.0	7619.3	7619.3	7610.7	7612.9	7606.4
7.5°	7670.9	7685.9	7694.5	7705.2	7733.2	7720.3	7711.7	7685.9	7675.2	7658.0
10°	7694.5	7711.7	7739.6	7795.5	7859.9	7862.0	7836.3	7771.8	7722.4	7683.8
12.5°	7621.5	7645.1	7703.1	7816.9	7960.9	8018.9	7978.0	7870.6	7774.0	7705.2
15°	7529.1	7554.9	7642.9	7814.8	8027.4	8162.8	8158.5	8016.7	7862.0	7754.6
17.5°	7385.2	7410.9	7537.7	7778.3	8079.0	8302.4	8362.6	8216.5	7999.5	7855.6
20°	7125.2	7148.9	7325.0	7662.3	8096.2	8450.6	8607.4	8478.5	8207.9	8012.4
22.5°	6788.0	6824.5	7030.7	7462.5	8055.4	8605.3	8886.7	8798.6	8450.6	8180.0
25°	6427.1	6465.8	6706.4	7217.6	7950.1	8717.0	9217.5	9161.6	8725.6	8388.3
27.5°	6115.6	6156.5	6418.5	6974.9	7786.9	8759.9	9544.0	9571.9	9058.5	8618.2
30°	5870.8	5909.4	6188.7	6779.4	7576.3	8717.0	9829.7	10023.0	9397.9	8817.9
32.5°	5602.2	5651.6	5945.9	6541.0	7327.2	8613.9	10078.9	10510.6	9791.0	9032.8
35°	5262.8	5308.0	5617.3	6214.5	7000.7	8448.5	10287.2	11052.0	10353.8	9359.3
37.5°	4850.4	4893.4	5200.5	5806.3	6676.3	8216.5	10446.2	11662.0	11024.0	9829.7
40°	4435.8	4476.6	4764.5	5350.9	6287.5	7920.0	10502.1	12259.2	11793.1	10476.3
42.5°	4055.6	4092.1	4356.3	4902.0	5851.4	7542.0	10429.0	12779.0	12482.6	10927.4
45°	3705.5	3737.7	3971.8	4480.9	5398.2	7082.3	10209.9	13337.5	13303.2	11249.6
47.5°	3305.9	3338.1	3580.9	4072.8	4944.9	6543.1	9838.3	13887.5	14443.8	11979.9
50°	2818.3	2846.2	3095.4	3602.4	4474.5	5969.6	9322.8	14319.2	15883.0	13086.2
52.5°	2240.5	2270.5	2513.3	3020.2	3916.0	5353.1	8644.0	14600.6	17545.7	14701.6
55°	1666.9	1688.4	1898.9	2354.3	3224.3	4650.6	7793.3	14680.1	19431.7	16909.8
57.5°	1209.4	1222.3	1357.6	1697.0	2444.5	3772.1	6760.1	14473.9	21676.5	19741.0
60°	979.5	983.8	1024.6	1175.0	1699.1	2779.6	5512.0	13765.0	24112.4	23390.7
62.5°	889.3	889.3	900.1	940.9	1149.2	1834.5	4001.9	12295.7	26724.5	28002.6
65°	827.0	827.0	831.3	850.6	906.5	1168.6	2526.2	9902.7	28926.3	33405.1
67.5°	771.2	773.3	771.2	777.6	809.8	863.5	1465.0	6839.5	30112.1	39003.0
70°	713.2	717.5	706.7	706.7	732.5	734.6	917.2	3750.6	29128.2	43694.5
72.5°	644.4	650.9	633.7	629.4	648.7	640.1	689.5	1800.1	25008.2	45095.0
75°	584.3	592.9	554.2	543.5	543.5	537.0	560.7	923.7	16231.0	36786.2
77.5°	530.6	547.8	485.5	451.1	442.5	423.2	457.5	565.0	7099.5	17270.7
80°	438.2	461.8	399.5	358.7	343.7	322.2	360.9	395.3	2111.6	4010.5
82.5°	326.5	337.3	283.5	255.6	242.7	227.7	270.7	275.0	687.4	1419.9
85°	208.4	212.7	174.0	150.4	143.9	137.5	171.8	150.4	262.1	1044.0
87.5°	73.0	83.8	66.6	60.1	64.4	53.7	79.5	45.1	73.0	736.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7552.7
7557.0
7606.4
7658.0
7677.3
7694.5
7737.5
7832.0
7975.9
8130.6
8319.6
8545.1
8712.7
8899.6
9211.0
9632.1
10265.8
10656.7
10884.4
11558.9
12557.8
14050.7
16095.7
18716.4
22099.6
26273.4
31218.3
36642.3
43073.7
46727.6
39346.7
16912.0
3840.8
1604.6
1516.6
912.9
0.0

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