

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: P938743

Luminaire Tested: **GALN-SB1A-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938743
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-SB1A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4439 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

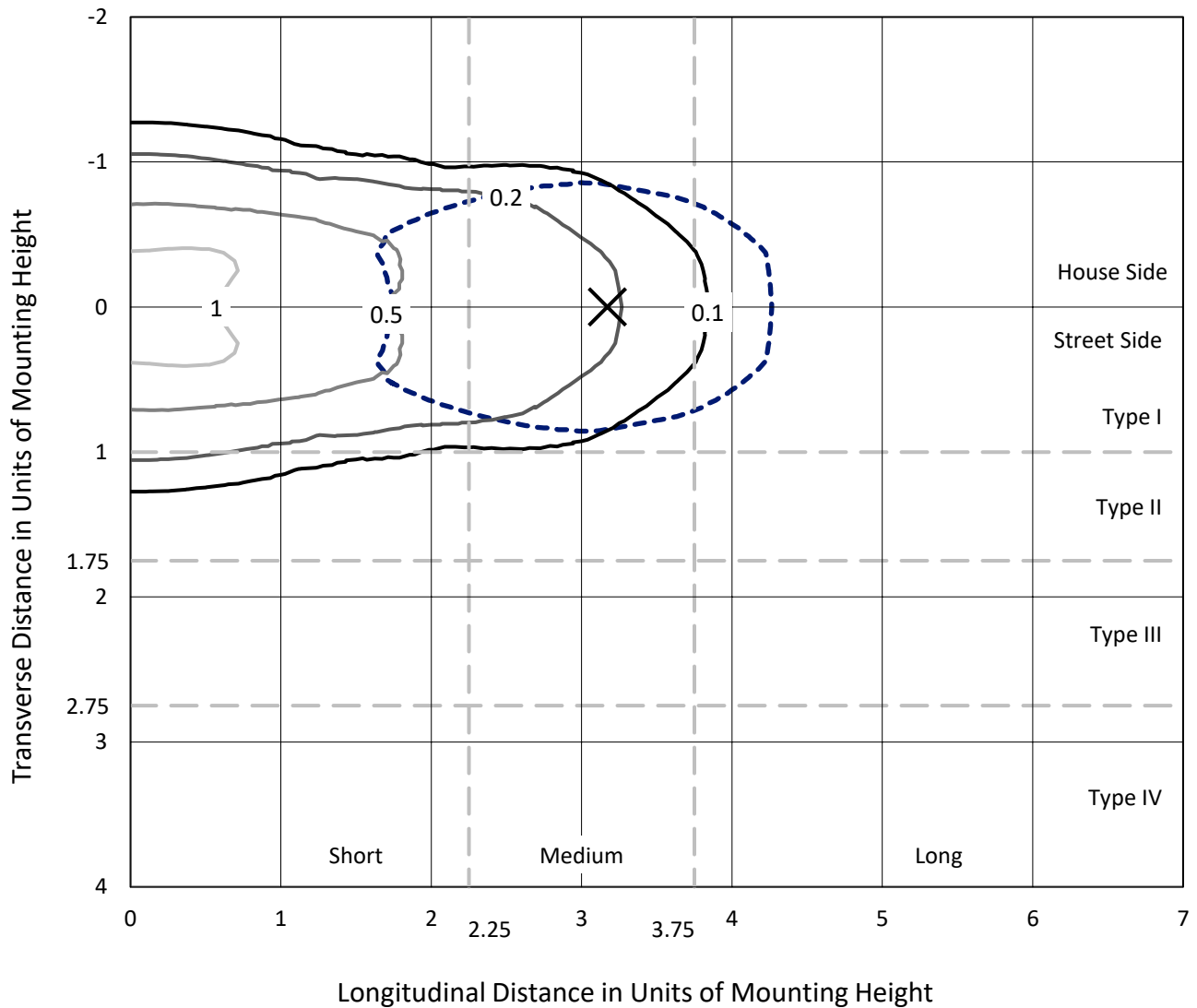
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

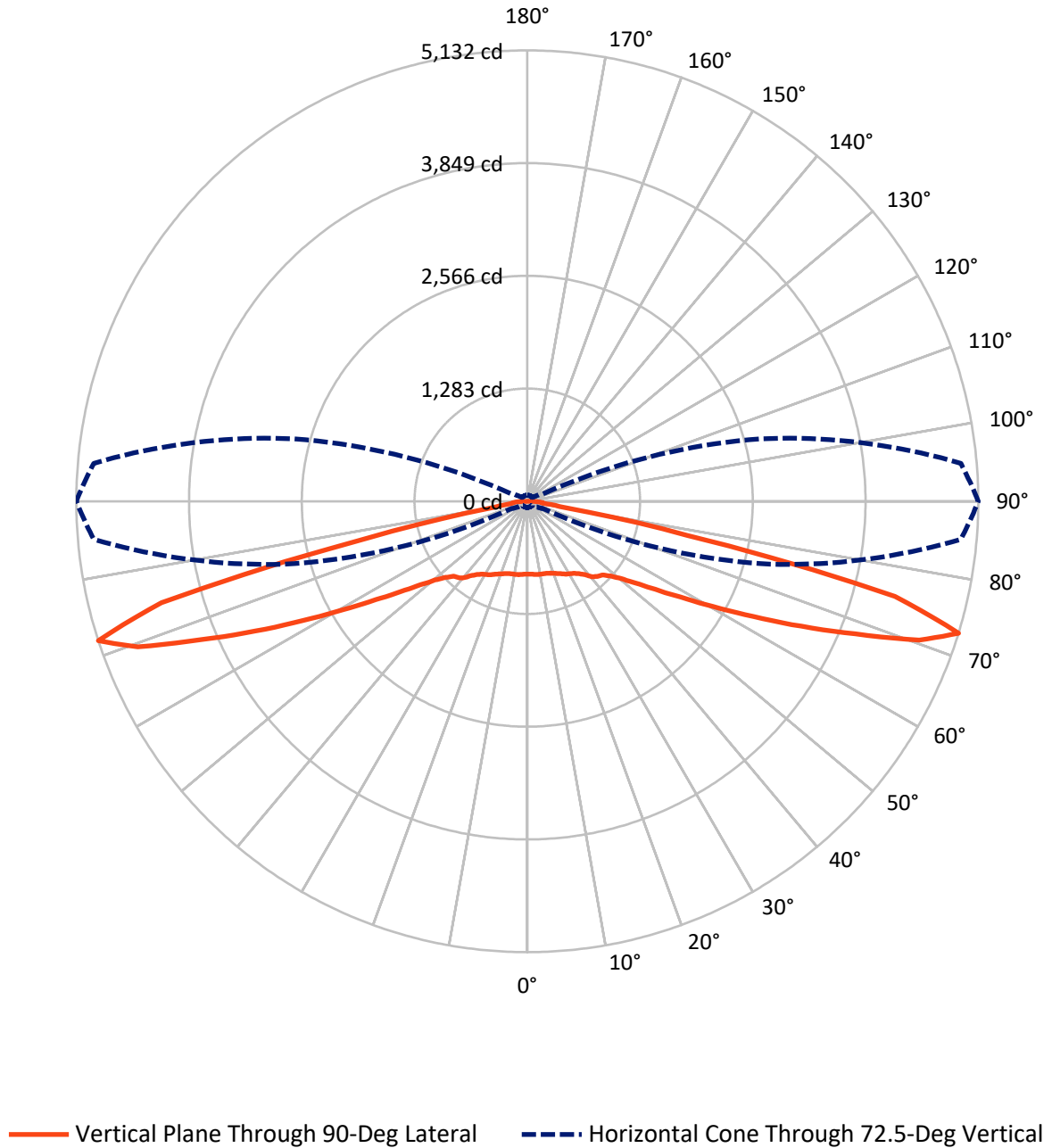
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type I - Short - N/A

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CATALOG NUMBER: GALN-SB1A-735-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2219.5	0.0	2219.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2219.5	0.0	2219.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4439.0	0.0	4439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	1.8
10°-20°	245.9	5.5
20°-30°	410.0	9.2
30°-40°	563.9	12.7
40°-50°	688.7	15.5
50°-60°	796.6	17.9
60°-70°	949.8	21.4
70°-80°	662.9	14.9
80°-90°	40.7	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°	4439.0	100.0
0°-180°	4439.0	100.0

Coefficient of Utilization



REPORT NUMBER: P938743

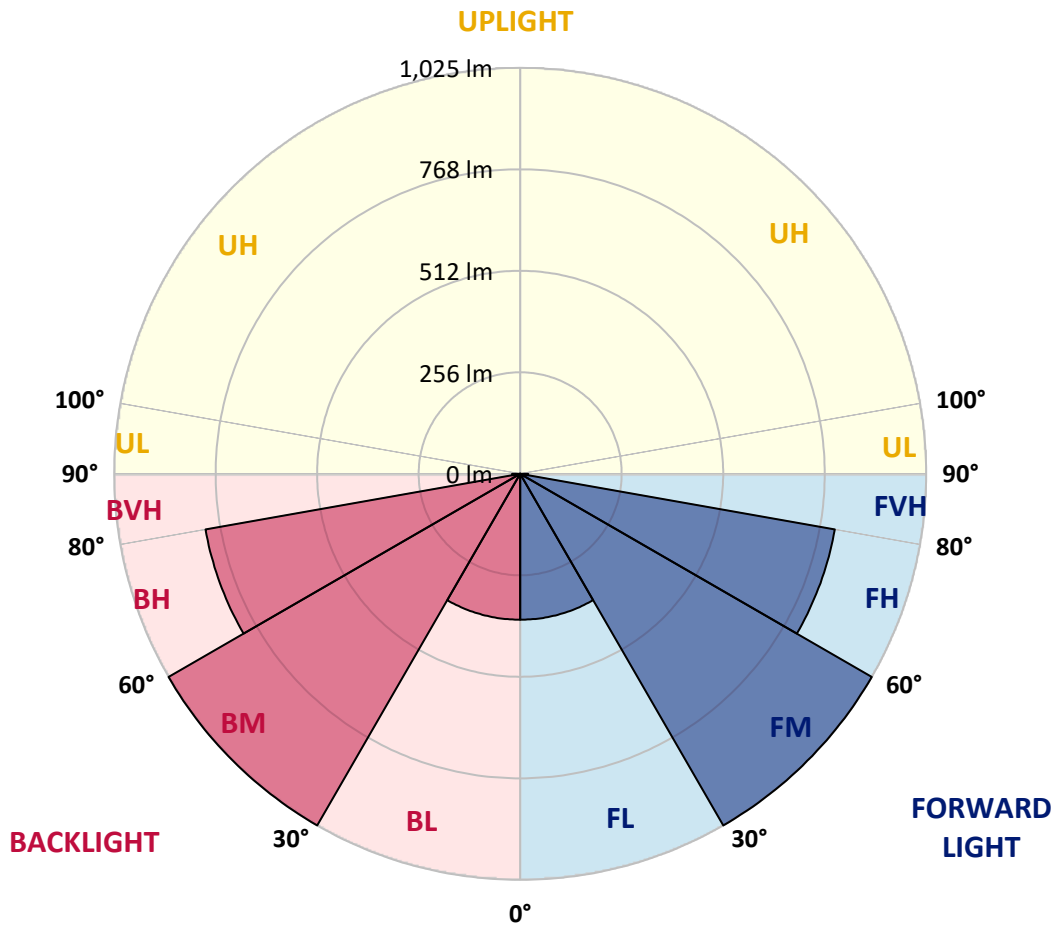
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.2	8.3			
FM (30°-60°)	1024.6	23.1			
FH (60°-80°)	806.3	18.2			G1/1800
FVH (80°-90°)	20.4	0.5			G1/100
BL (0°-30°)	368.2	8.3	B1/500		
BM (30°-60°)	1024.6	23.1	B2/2500		
BH (60°-80°)	806.3	18.2	B2/1000		G2/1000
BVH (80°-90°)	20.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	829.5	829.5	829.5	829.5	829.5	829.5	829.5	829.5	829.5	829.5
2.5°	830.2	831.1	831.1	830.4	832.1	830.7	830.7	829.9	830.7	829.9
5°	834.4	835.6	836.1	835.8	838.0	836.8	836.8	835.8	836.1	835.4
7.5°	842.4	844.1	845.0	846.2	849.3	847.9	846.9	844.1	842.9	841.0
10°	845.0	846.9	850.0	856.1	863.2	863.4	860.6	853.5	848.1	843.9
12.5°	837.0	839.6	846.0	858.5	874.3	880.7	876.2	864.4	853.8	846.2
15°	826.9	829.7	839.4	858.3	881.6	896.5	896.0	880.4	863.4	851.6
17.5°	811.1	813.9	827.8	854.2	887.3	911.8	918.4	902.4	878.5	862.7
20°	782.5	785.1	804.5	841.5	889.2	928.1	945.3	931.2	901.4	880.0
22.5°	745.5	749.5	772.1	819.6	884.7	945.1	976.0	966.3	928.1	898.4
25°	705.9	710.1	736.5	792.7	873.1	957.3	1012.3	1006.2	958.3	921.2
27.5°	671.6	676.1	704.9	766.0	855.2	962.1	1048.2	1051.2	994.8	946.5
30°	644.8	649.0	679.7	744.5	832.1	957.3	1079.5	1100.8	1032.1	968.4
32.5°	615.3	620.7	653.0	718.4	804.7	946.0	1106.9	1154.3	1075.3	992.0
35°	578.0	582.9	616.9	682.5	768.8	927.9	1129.8	1213.8	1137.1	1027.9
37.5°	532.7	537.4	571.1	637.7	733.2	902.4	1147.3	1280.8	1210.7	1079.5
40°	487.2	491.6	523.3	587.7	690.5	869.8	1153.4	1346.4	1295.2	1150.6
42.5°	445.4	449.4	478.4	538.4	642.6	828.3	1145.4	1403.5	1370.9	1200.1
45°	407.0	410.5	436.2	492.1	592.9	777.8	1121.3	1464.8	1461.0	1235.5
47.5°	363.1	366.6	393.3	447.3	543.1	718.6	1080.5	1525.2	1586.3	1315.7
50°	309.5	312.6	340.0	395.6	491.4	655.6	1023.9	1572.6	1744.3	1437.2
52.5°	246.1	249.4	276.0	331.7	430.1	587.9	949.3	1603.5	1926.9	1614.6
55°	183.1	185.4	208.5	258.6	354.1	510.8	855.9	1612.2	2134.1	1857.1
57.5°	132.8	134.2	149.1	186.4	268.5	414.3	742.4	1589.6	2380.6	2168.1
60°	107.6	108.0	112.5	129.0	186.6	305.3	605.4	1511.7	2648.1	2568.9
62.5°	97.7	97.7	98.8	103.3	126.2	201.5	439.5	1350.4	2935.0	3075.4
65°	90.8	90.8	91.3	93.4	99.6	128.3	277.4	1087.6	3176.8	3668.7
67.5°	84.7	84.9	84.7	85.4	88.9	94.8	160.9	751.2	3307.0	4283.5
70°	78.3	78.8	77.6	77.6	80.4	80.7	100.7	411.9	3199.0	4798.7
72.5°	70.8	71.5	69.6	69.1	71.2	70.3	75.7	197.7	2746.5	4952.5
75°	64.2	65.1	60.9	59.7	59.7	59.0	61.6	101.4	1782.6	4040.0
77.5°	58.3	60.2	53.3	49.5	48.6	46.5	50.2	62.0	779.7	1896.7
80°	48.1	50.7	43.9	39.4	37.7	35.4	39.6	43.4	231.9	440.5
82.5°	35.9	37.0	31.1	28.1	26.7	25.0	29.7	30.2	75.5	155.9
85°	22.9	23.4	19.1	16.5	15.8	15.1	18.9	16.5	28.8	114.7
87.5°	8.0	9.2	7.3	6.6	7.1	5.9	8.7	5.0	8.0	80.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

829.5
829.9
835.4
841.0
843.2
845.0
849.8
860.1
875.9
892.9
913.7
938.5
956.9
977.4
1011.6
1057.8
1127.4
1170.4
1195.4
1269.5
1379.2
1543.1
1767.7
2055.5
2427.1
2885.5
3428.5
4024.2
4730.5
5131.8
4321.2
1857.4
421.8
176.2
166.6
100.3
0.0

OF REPORT)