

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: P956678

Luminaire Tested: **GALN-SB9B-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9B-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52816 lumens
Efficiency: N/A
Efficacy: 160.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

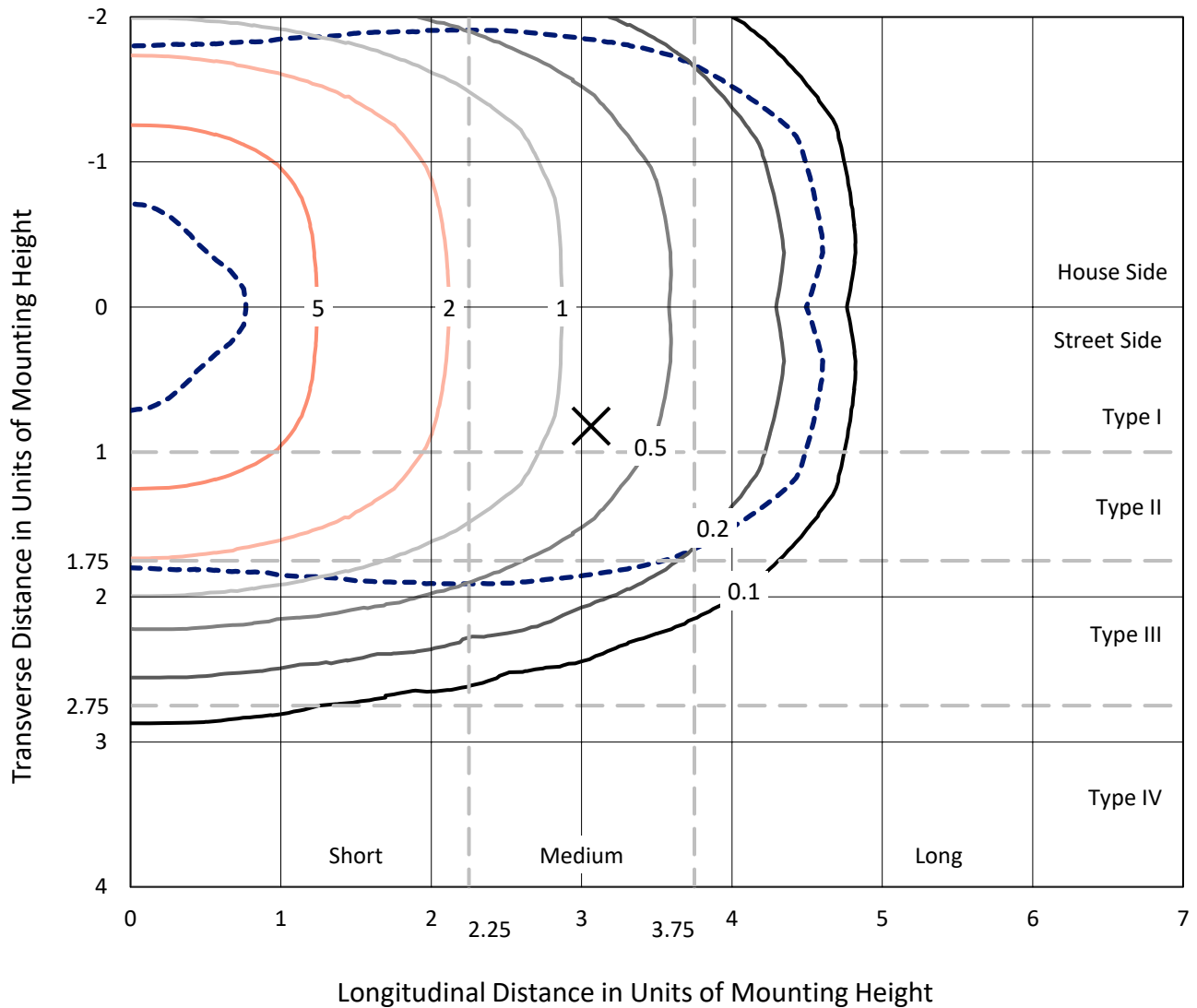
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

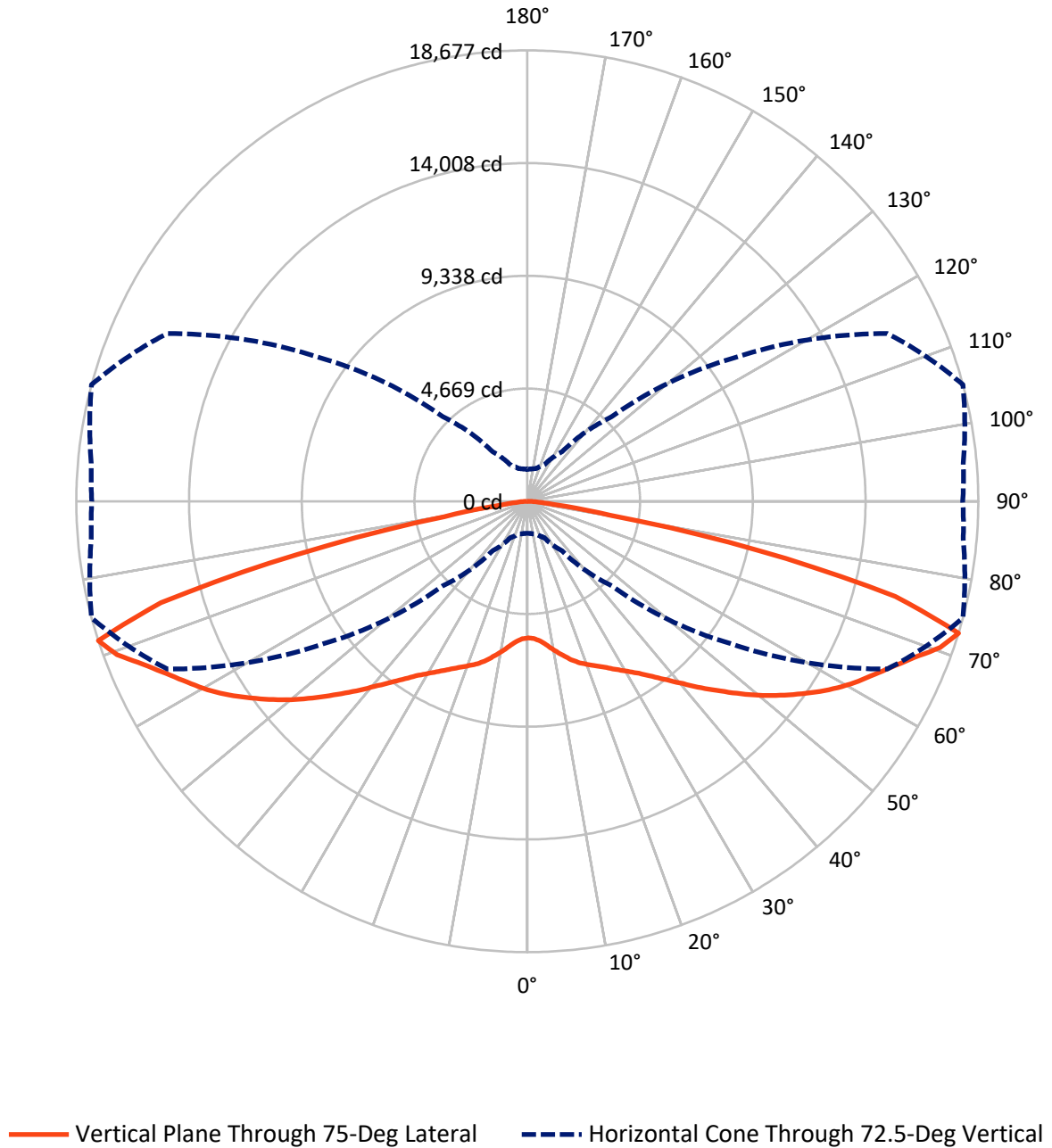
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26408.0	0.0	26408.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26408.0	0.0	26408.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52816.0	0.0	52816.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.2	1.0
10°-20°	1827.9	3.5
20°-30°	3532.0	6.7
30°-40°	5964.0	11.3
40°-50°	9458.2	17.9
50°-60°	12663.4	24.0
60°-70°	12051.5	22.8
70°-80°	6288.7	11.9
80°-90°	476.0	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°	52816.0	100.0
0°-180°	52816.0	100.0



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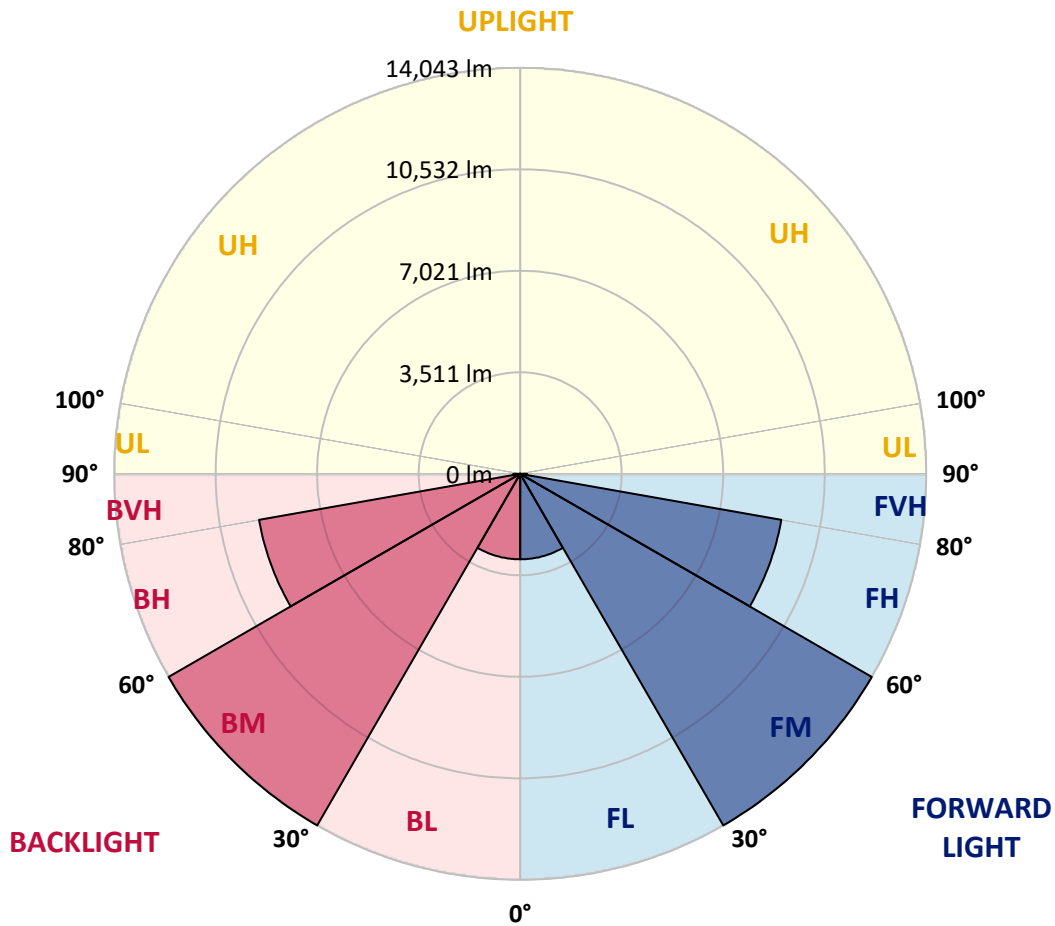
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2957.0	5.6			
FM (30°-60°)	14042.8	26.6			
FH (60°-80°)	9170.1	17.4			G4/12000
FVH (80°-90°)	238.0	0.5			G3/500
BL (0°-30°)	2957.0	5.6	B4/5000		
BM (30°-60°)	14042.8	26.6	B5		
BH (60°-80°)	9170.1	17.4	B5		G5
BVH (80°-90°)	238.0	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5657.5	5657.5	5657.5	5657.5	5657.5	5657.5	5657.5	5657.5	5657.5	5657.5
2.5°	5657.5	5652.1	5657.5	5662.9	5660.2	5660.2	5673.7	5681.8	5698.0	5695.3
5°	5619.8	5617.1	5638.7	5662.9	5681.8	5714.2	5754.6	5784.3	5822.0	5830.1
7.5°	5600.9	5592.8	5630.6	5673.7	5733.0	5813.9	5892.1	5973.0	6037.8	6059.3
10°	5614.4	5617.1	5668.3	5749.2	5843.6	5956.9	6067.4	6205.0	6296.6	6318.2
12.5°	5676.4	5671.0	5757.3	5886.8	6016.2	6159.1	6288.6	6439.6	6539.3	6590.6
15°	5789.7	5778.9	5900.2	6091.7	6280.5	6447.7	6552.8	6695.7	6811.7	6876.4
17.5°	5924.5	5929.9	6089.0	6337.1	6585.2	6773.9	6873.7	6946.5	7035.5	7092.1
20°	6161.8	6172.6	6350.6	6644.5	6927.7	7143.4	7224.3	7197.3	7221.6	7264.7
22.5°	6480.0	6485.4	6685.0	7003.2	7299.8	7537.1	7591.0	7480.5	7413.0	7442.7
25°	6849.5	6884.5	7084.1	7410.4	7715.1	7941.6	7965.9	7798.7	7631.5	7639.6
27.5°	7299.8	7332.1	7534.4	7858.0	8168.1	8365.0	8362.3	8138.4	7893.0	7831.0
30°	7787.9	7822.9	8030.6	8365.0	8653.5	8826.1	8788.3	8521.4	8170.8	8054.8
32.5°	8367.7	8389.2	8599.6	8933.9	9200.9	9338.4	9260.2	8931.3	8494.4	8362.3
35°	9068.8	9101.1	9257.5	9573.1	9807.7	9920.9	9788.8	9400.5	8909.7	8761.4
37.5°	9869.7	9848.1	10026.1	10306.5	10500.7	10570.8	10390.1	9929.0	9384.3	9209.0
40°	10705.6	10694.9	10889.0	11158.7	11263.8	11307.0	11040.0	10535.8	9931.7	9742.9
42.5°	11463.4	11455.3	11716.9	12016.2	12142.9	12094.4	11757.3	11180.2	10565.4	10349.7
45°	12070.1	12059.3	12380.2	12800.9	13049.0	12968.1	12515.1	11892.2	11207.2	10983.4
47.5°	12536.7	12542.0	12887.2	13407.7	13841.8	13871.5	13289.0	12617.6	11913.7	11660.2
50°	12873.7	12889.9	13259.4	13836.4	14429.7	14691.3	14079.1	13361.8	12644.5	12358.7
52.5°	12957.3	12987.0	13431.9	14108.8	14807.2	15306.1	14882.7	14076.4	13337.6	13065.2
55°	12512.4	12571.7	13135.3	14087.2	15039.1	15710.6	15589.2	14801.8	14036.0	13755.5
57.5°	11490.4	11574.0	12231.9	13475.1	14987.9	15988.3	16136.7	15497.6	14734.4	14464.7
60°	10058.4	10158.2	10789.2	12145.6	14265.2	16090.8	16522.3	16174.4	15376.2	15114.6
62.5°	7898.4	8027.9	8782.9	10374.0	12738.9	15613.5	16851.3	16786.5	15953.3	15627.0
65°	5067.0	5204.5	6000.0	7879.6	10702.9	14151.9	16953.7	17382.5	16562.7	16107.0
67.5°	3055.3	3117.3	3511.0	4775.7	7822.9	11948.8	16085.4	18043.2	17274.6	16708.3
70°	1955.1	1990.1	2224.7	2804.5	4422.5	8718.2	13933.5	18167.2	18137.6	17325.9
72.5°	1326.7	1337.5	1399.6	1661.1	2502.5	4953.7	10276.9	16446.8	18676.9	18121.4
75°	970.8	1030.1	1129.9	1175.7	1421.1	2475.5	5889.4	11555.1	15740.3	15983.0
77.5°	722.7	725.4	862.9	916.9	1013.9	1318.7	2491.7	6450.3	9772.6	10260.7
80°	612.1	579.8	577.1	738.9	763.1	822.5	1113.7	2227.4	3500.2	2122.3
82.5°	509.7	474.6	428.8	577.1	520.5	504.3	482.7	906.1	1113.7	547.4
85°	356.0	339.8	323.6	377.5	296.6	253.5	231.9	423.4	469.2	231.9
87.5°	153.7	159.1	161.8	167.2	124.0	89.0	89.0	118.7	118.7	91.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5657.5
5692.6
5830.1
6064.7
6339.8
6612.1
6900.7
7119.1
7297.1
7464.3
7653.0
7849.9
8068.3
8394.6
8782.9
9241.4
9805.0
10403.6
11034.6
11735.8
12445.0
13135.3
13833.7
14526.8
15171.3
15664.7
16163.6
16751.5
17320.5
18035.1
15395.1
9152.4
1604.5
466.5
204.9
67.4
0.0

OF REPORT)