

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: P944413

Luminaire Tested: **GALN-SB9B-835-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944413
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-SB9B-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47062 lumens
Efficiency: N/A
Efficacy: 142.8 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

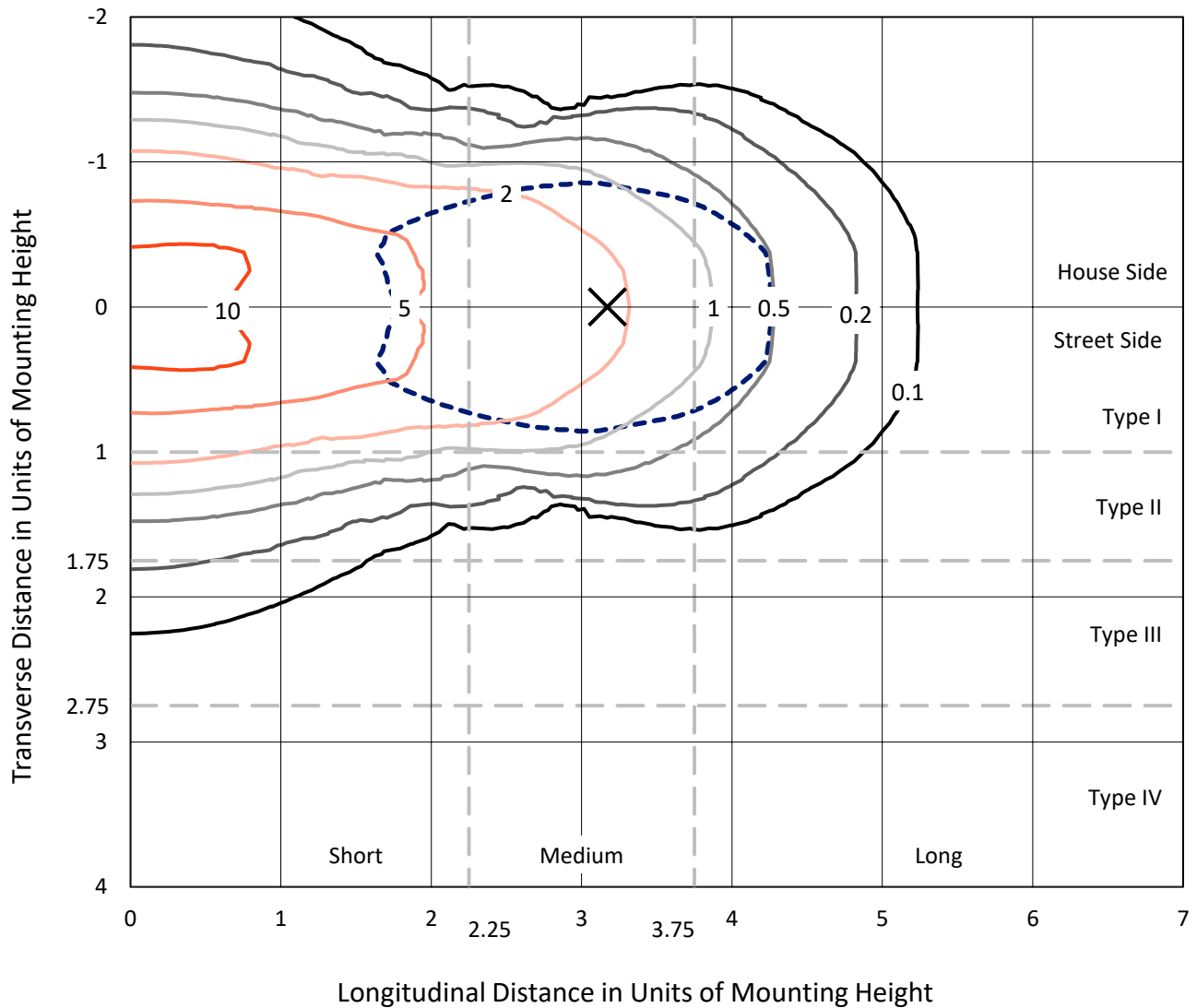
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

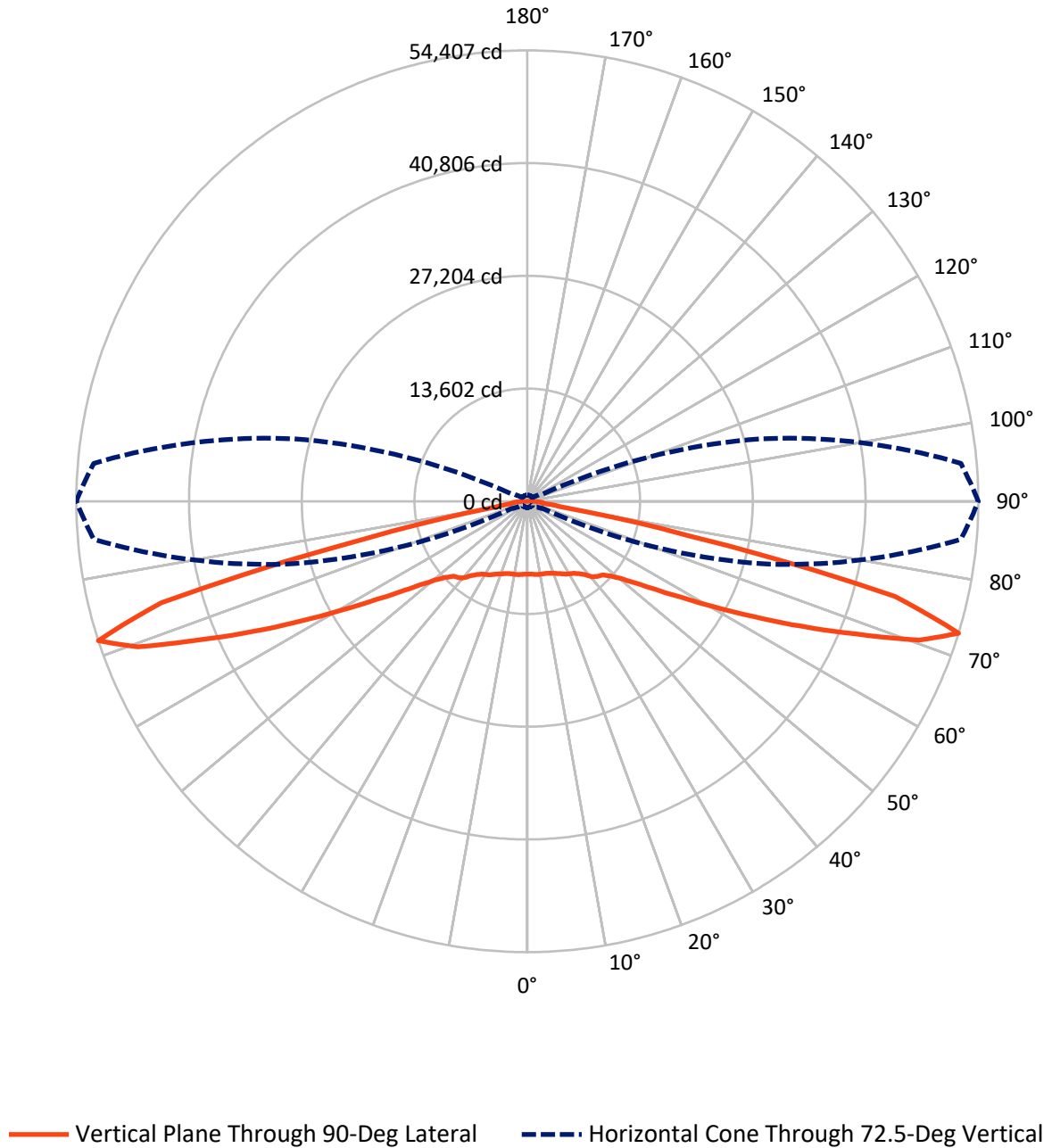
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 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	23531.0	0.0	23531.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23531.0	0.0	23531.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47062.0	0.0	47062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.7	1.8
10°-20°	2607.2	5.5
20°-30°	4347.2	9.2
30°-40°	5978.8	12.7
40°-50°	7301.7	15.5
50°-60°	8445.2	17.9
60°-70°	10069.6	21.4
70°-80°	7027.9	14.9
80°-90°	431.7	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°	47062.0	100.0
0°-180°	47062.0	100.0

Coefficient of Utilization



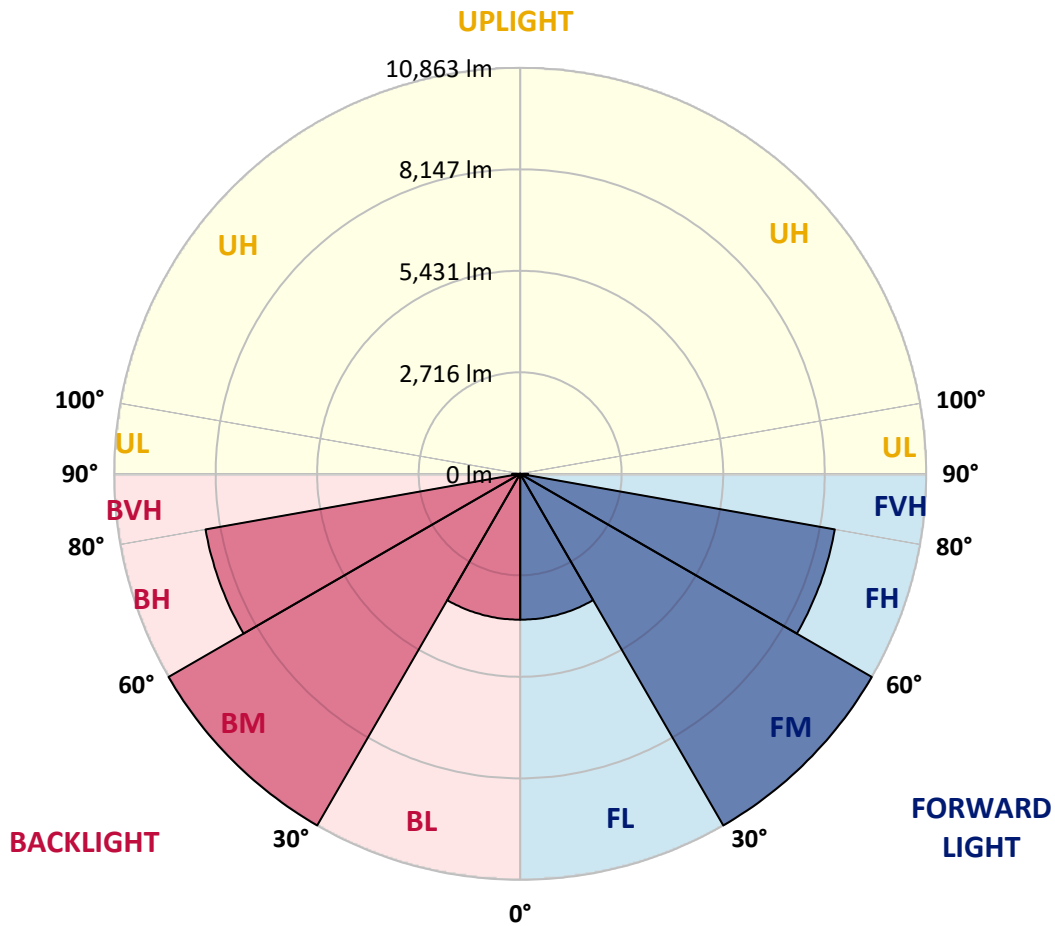
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3903.6	8.3			
FM (30°-60°)	10862.9	23.1			
FH (60°-80°)	8548.7	18.2			G4/12000
FVH (80°-90°)	215.8	0.5			G2/225
BL (0°-30°)	3903.6	8.3	B4/5000		
BM (30°-60°)	10862.9	23.1	B5		
BH (60°-80°)	8548.7	18.2	B5		G5
BVH (80°-90°)	215.8	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°	8794.0	8794.0	8794.0	8794.0	8794.0	8794.0	8794.0	8794.0	8794.0	8794.0
2.5°	8801.5	8811.5	8811.5	8804.0	8821.5	8806.5	8806.5	8799.0	8806.5	8799.0
5°	8846.6	8859.1	8864.1	8861.6	8884.1	8871.6	8871.6	8861.6	8864.1	8856.6
7.5°	8931.6	8949.1	8959.1	8971.6	9004.1	8989.1	8979.1	8949.1	8936.6	8916.6
10°	8959.1	8979.1	9011.6	9076.7	9151.7	9154.2	9124.2	9049.1	8991.6	8946.6
12.5°	8874.1	8901.6	8969.1	9101.7	9269.2	9336.8	9289.3	9164.2	9051.6	8971.6
15°	8766.5	8796.5	8899.1	9099.2	9346.8	9504.4	9499.4	9334.3	9154.2	9029.1
17.5°	8598.9	8629.0	8776.5	9056.7	9406.8	9666.9	9737.0	9566.9	9314.3	9146.7
20°	8296.3	8323.8	8528.9	8921.6	9426.8	9839.5	10022.1	9872.0	9556.9	9329.3
22.5°	7903.6	7946.1	8186.3	8689.0	9379.3	10019.6	10347.2	10244.7	9839.5	9524.4
25°	7483.4	7528.5	7808.6	8403.9	9256.7	10149.7	10732.4	10667.4	10159.7	9767.0
27.5°	7120.8	7168.3	7473.4	8121.2	9066.7	10199.7	11112.6	11145.1	10547.3	10034.6
30°	6835.6	6880.7	7205.8	7893.6	8821.5	10149.7	11445.2	11670.4	10942.5	10267.2
32.5°	6523.0	6580.5	6923.2	7616.0	8531.4	10029.6	11735.4	12238.1	11400.2	10517.3
35°	6127.8	6180.3	6540.5	7235.8	8151.2	9837.0	11978.0	12868.4	12055.5	10897.5
37.5°	5647.6	5697.6	6055.3	6760.6	7773.6	9566.9	12163.1	13578.7	12835.9	11445.2
40°	5164.9	5212.4	5547.5	6230.4	7320.9	9221.7	12228.1	14274.0	13731.3	12198.1
42.5°	4722.2	4764.7	5072.3	5707.6	6813.1	8781.5	12143.1	14879.3	14534.2	12723.3
45°	4314.5	4352.0	4624.6	5217.4	6285.4	8246.3	11887.9	15529.6	15489.6	13098.5
47.5°	3849.3	3886.8	4169.4	4742.2	5757.6	7618.5	11455.3	16169.9	16817.7	13948.9
50°	3281.5	3314.0	3604.2	4194.4	5209.9	6950.7	10855.0	16672.6	18493.5	15237.0
52.5°	2608.7	2643.7	2926.3	3516.6	4559.6	6232.9	10064.6	17000.3	20429.4	17117.8
55°	1940.9	1965.9	2211.0	2741.3	3754.2	5415.0	9074.2	17092.8	22625.4	19689.0
57.5°	1408.1	1423.2	1580.7	1975.9	2846.3	4392.0	7871.1	16852.7	25239.1	22985.5
60°	1140.5	1145.5	1193.0	1368.1	1978.4	3236.5	6417.9	16027.3	28075.4	27235.0
62.5°	1035.5	1035.5	1048.0	1095.5	1338.1	2136.0	4659.6	14316.6	31116.8	32604.9
65°	962.9	962.9	967.9	990.5	1055.5	1360.6	2941.3	11530.3	33680.4	38895.3
67.5°	897.9	900.4	897.9	905.4	942.9	1005.5	1705.8	7963.7	35061.1	45413.3
70°	830.4	835.4	822.9	822.9	852.9	855.4	1068.0	4367.0	33915.5	50875.8
72.5°	750.3	757.8	737.8	732.8	755.3	745.3	802.9	2096.0	29118.3	52506.6
75°	680.3	690.3	645.3	632.8	632.8	625.3	652.8	1075.5	18898.7	42832.1
77.5°	617.8	637.8	565.3	525.2	515.2	492.7	532.7	657.8	8266.3	20109.2
80°	510.2	537.7	465.2	417.7	400.2	375.2	420.2	460.2	2458.6	4669.6
82.5°	380.2	392.7	330.2	297.6	282.6	265.1	315.1	320.1	800.4	1653.3
85°	242.6	247.6	202.6	175.1	167.6	160.1	200.1	175.1	305.1	1215.6
87.5°	85.0	97.5	77.5	70.0	75.0	62.5	92.5	52.5	85.0	857.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8794.0
8799.0
8856.6
8916.6
8939.1
8959.1
9009.1
9119.2
9286.8
9466.8
9686.9
9949.6
10144.7
10362.3
10724.9
11215.1
11953.0
12408.2
12673.3
13458.7
14621.7
16360.0
18741.1
21792.5
25731.8
30591.5
36349.2
42664.6
50153.0
54407.4
45813.5
19691.5
4472.1
1868.4
1765.8
1063.0
0.0

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