

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: P956447

Luminaire Tested: **GALN-SB9A-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956447
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-SB9A-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39025 lumens
Efficiency: N/A
Efficacy: 152.7 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

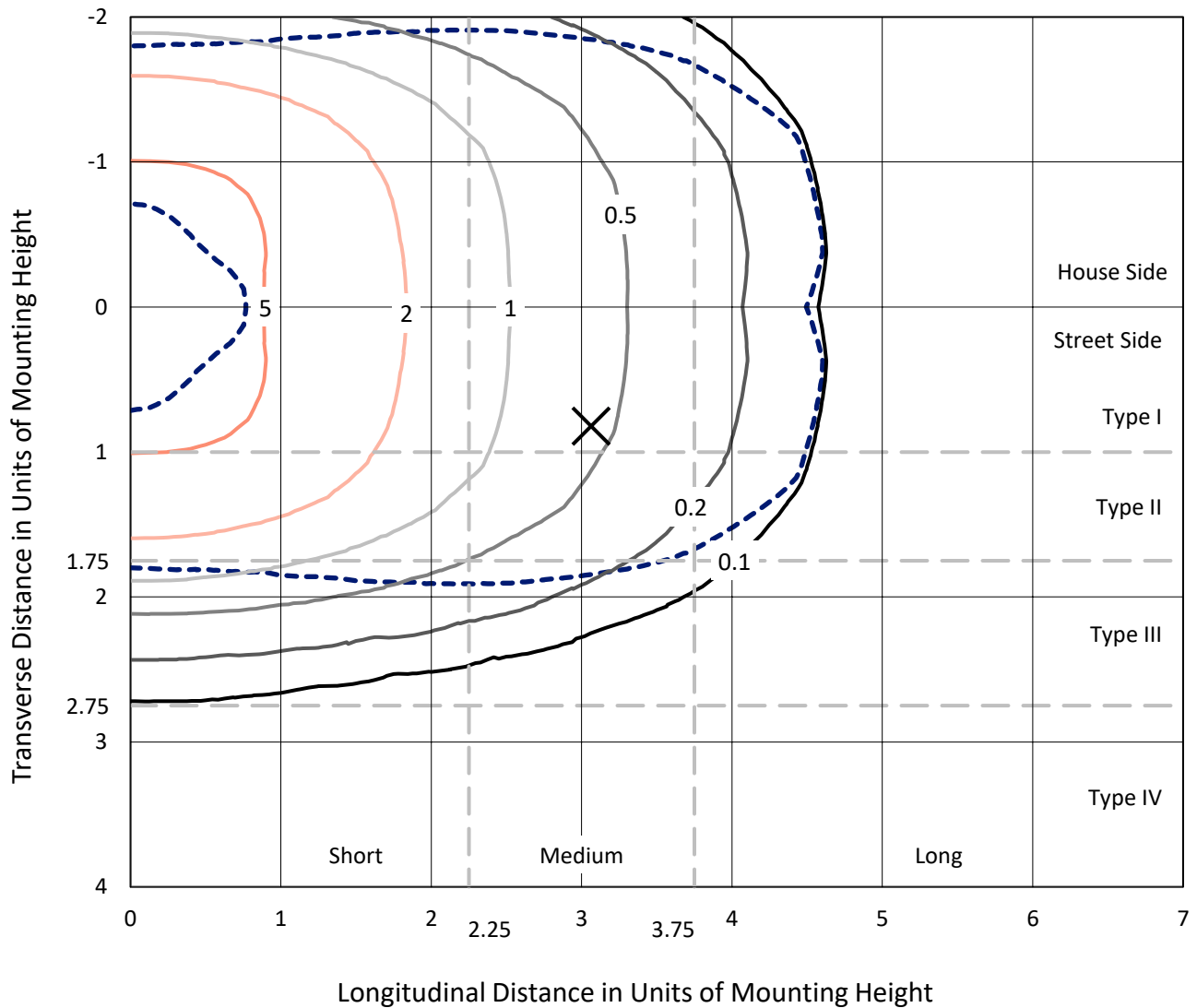
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

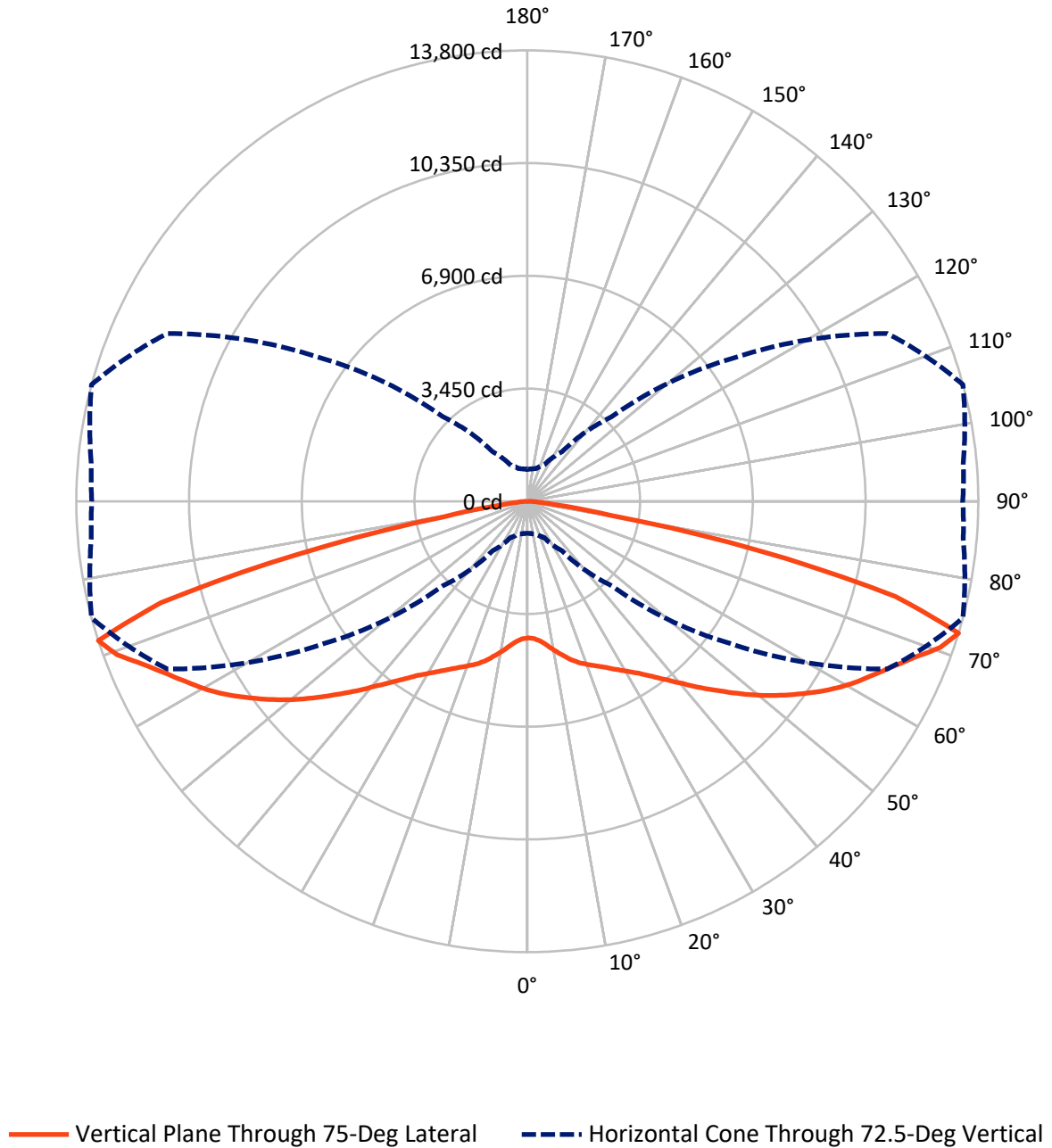
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	19512.5	0.0	19512.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19512.5	0.0	19512.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39025.0	0.0	39025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.5	1.0
10°-20°	1350.6	3.5
20°-30°	2609.7	6.7
30°-40°	4406.7	11.3
40°-50°	6988.5	17.9
50°-60°	9356.8	24.0
60°-70°	8904.7	22.8
70°-80°	4646.6	11.9
80°-90°	351.7	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°	39025.0	100.0
0°-180°	39025.0	100.0

Coefficient of Utilization



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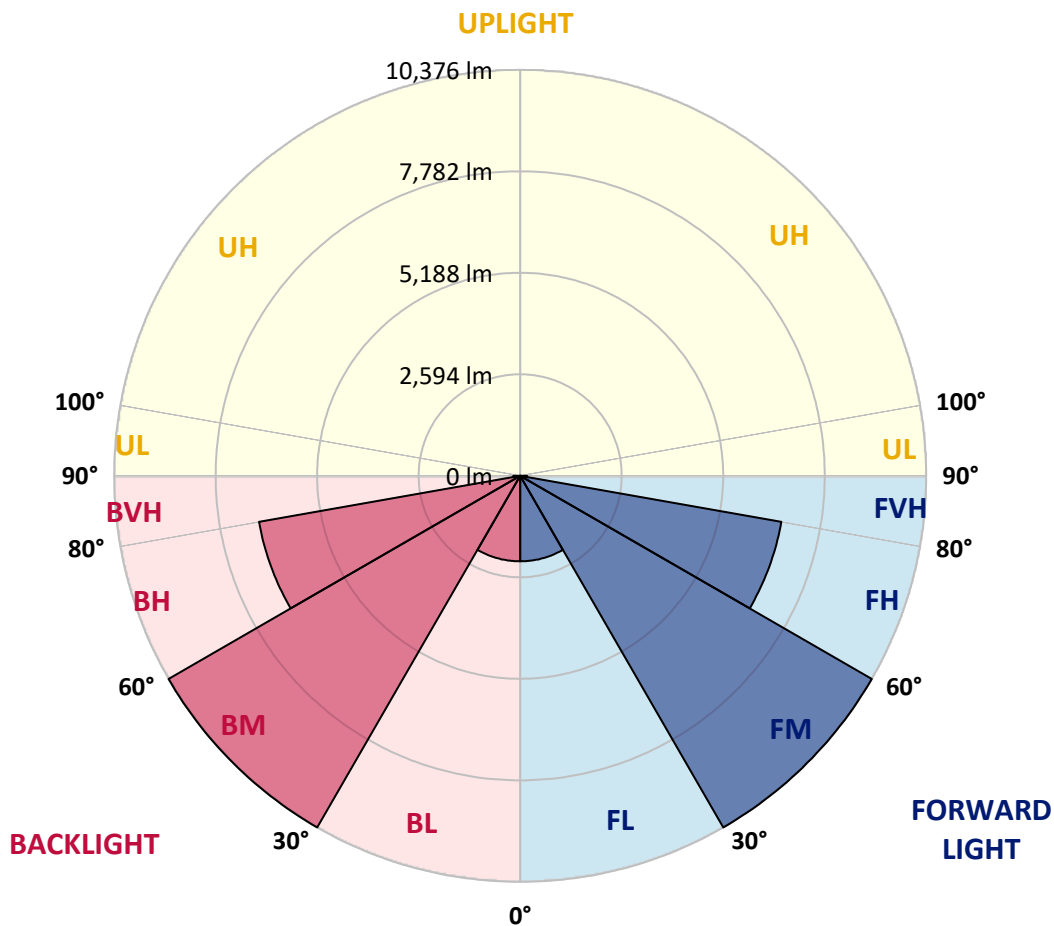
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2184.9	5.6			
FM (30°-60°)	10376.0	26.6			
FH (60°-80°)	6775.7	17.4			G3/7500
FVH (80°-90°)	175.9	0.5			G2/225
BL (0°-30°)	2184.9	5.6	B3/2500		
BM (30°-60°)	10376.0	26.6	B5		
BH (60°-80°)	6775.7	17.4	B5		G5
BVH (80°-90°)	175.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4180.3	4180.3	4180.3	4180.3	4180.3	4180.3	4180.3	4180.3	4180.3	4180.3
2.5°	4180.3	4176.3	4180.3	4184.3	4182.3	4182.3	4192.2	4198.2	4210.2	4208.2
5°	4152.4	4150.4	4166.3	4184.3	4198.2	4222.1	4252.0	4273.9	4301.8	4307.8
7.5°	4138.4	4132.5	4160.4	4192.2	4236.1	4295.8	4353.6	4413.4	4461.2	4477.2
10°	4148.4	4150.4	4188.2	4248.0	4317.8	4401.4	4483.1	4584.8	4652.5	4668.4
12.5°	4194.2	4190.2	4254.0	4349.6	4445.3	4550.9	4646.5	4758.1	4831.8	4869.7
15°	4277.9	4269.9	4359.6	4501.1	4640.5	4764.1	4841.8	4947.4	5033.1	5080.9
17.5°	4377.5	4381.5	4499.1	4682.4	4865.7	5005.2	5078.9	5132.7	5198.4	5240.3
20°	4552.9	4560.8	4692.3	4909.5	5118.7	5278.1	5337.9	5318.0	5335.9	5367.8
22.5°	4788.0	4792.0	4939.4	5174.5	5393.7	5569.1	5608.9	5527.2	5477.4	5499.3
25°	5061.0	5086.9	5234.3	5475.4	5700.6	5867.9	5885.9	5762.3	5638.8	5644.8
27.5°	5393.7	5417.6	5567.1	5806.2	6035.3	6180.8	6178.8	6013.4	5832.1	5786.2
30°	5754.4	5780.3	5933.7	6180.8	6393.9	6521.5	6493.6	6296.3	6037.3	5951.6
32.5°	6182.7	6198.7	6354.1	6601.2	6798.4	6900.0	6842.3	6599.2	6276.4	6178.8
35°	6700.8	6724.7	6840.3	7073.4	7246.7	7330.4	7232.8	6945.9	6583.2	6473.6
37.5°	7292.6	7276.6	7408.1	7615.4	7758.8	7810.6	7677.1	7336.4	6933.9	6804.4
40°	7910.2	7902.3	8045.7	8245.0	8322.7	8354.6	8157.3	7784.7	7338.4	7198.9
42.5°	8470.1	8464.2	8657.4	8878.6	8972.3	8936.4	8687.3	8260.9	7806.6	7647.2
45°	8918.5	8910.5	9147.6	9458.4	9641.7	9582.0	9247.2	8786.9	8280.9	8115.5
47.5°	9263.2	9267.1	9522.2	9906.7	10227.5	10249.4	9819.1	9322.9	8802.9	8615.6
50°	9512.2	9524.2	9797.1	10223.5	10661.9	10855.2	10402.9	9872.9	9342.9	9131.7
52.5°	9574.0	9595.9	9924.7	10424.8	10940.8	11309.5	10996.6	10400.9	9854.9	9653.7
55°	9245.2	9289.1	9705.5	10408.8	11112.2	11608.3	11518.7	10936.9	10371.0	10163.8
57.5°	8490.1	8551.8	9038.0	9956.5	11074.3	11813.6	11923.2	11450.9	10887.0	10687.8
60°	7432.0	7505.8	7972.0	8974.2	10540.4	11889.3	12208.1	11951.0	11361.3	11168.0
62.5°	5836.0	5931.7	6489.6	7665.2	9412.6	11536.6	12451.2	12403.3	11787.7	11546.6
65°	3743.9	3845.5	4433.3	5822.1	7908.3	10456.7	12526.9	12843.7	12238.0	11901.2
67.5°	2257.5	2303.3	2594.2	3528.7	5780.3	8828.8	11885.3	13331.9	12764.0	12345.6
70°	1444.6	1470.5	1643.8	2072.2	3267.7	6441.8	10295.3	13423.5	13401.6	12801.8
72.5°	980.3	988.3	1034.1	1227.4	1849.0	3660.2	7593.4	12152.3	13800.1	13389.6
75°	717.3	761.1	834.9	868.7	1050.1	1829.1	4351.6	8537.9	11630.3	11809.6
77.5°	534.0	536.0	637.6	677.5	749.2	974.3	1841.1	4766.1	7220.8	7581.5
80°	452.3	428.4	426.4	545.9	563.9	607.7	822.9	1645.8	2586.3	1568.1
82.5°	376.6	350.7	316.8	426.4	384.6	372.6	356.7	669.5	822.9	404.5
85°	263.0	251.1	239.1	279.0	219.2	187.3	171.4	312.8	346.7	171.4
87.5°	113.6	117.6	119.6	123.5	91.7	65.8	65.8	87.7	87.7	67.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4180.3
4206.2
4307.8
4481.1
4684.4
4885.6
5098.8
5260.2
5391.7
5515.3
5654.7
5800.2
5961.6
6202.7
6489.6
6828.3
7244.7
7687.1
8153.3
8671.4
9195.4
9705.5
10221.6
10733.6
11209.8
11574.5
11943.1
12377.4
12797.9
13325.9
11375.2
6762.6
1185.5
344.7
151.4
49.8
0.0

OF REPORT)