

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: P955019

Luminaire Tested: **GALN-SB8A-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955019
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-SB8A-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 34645 lumens
Efficiency: N/A
Efficacy: 152.6 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

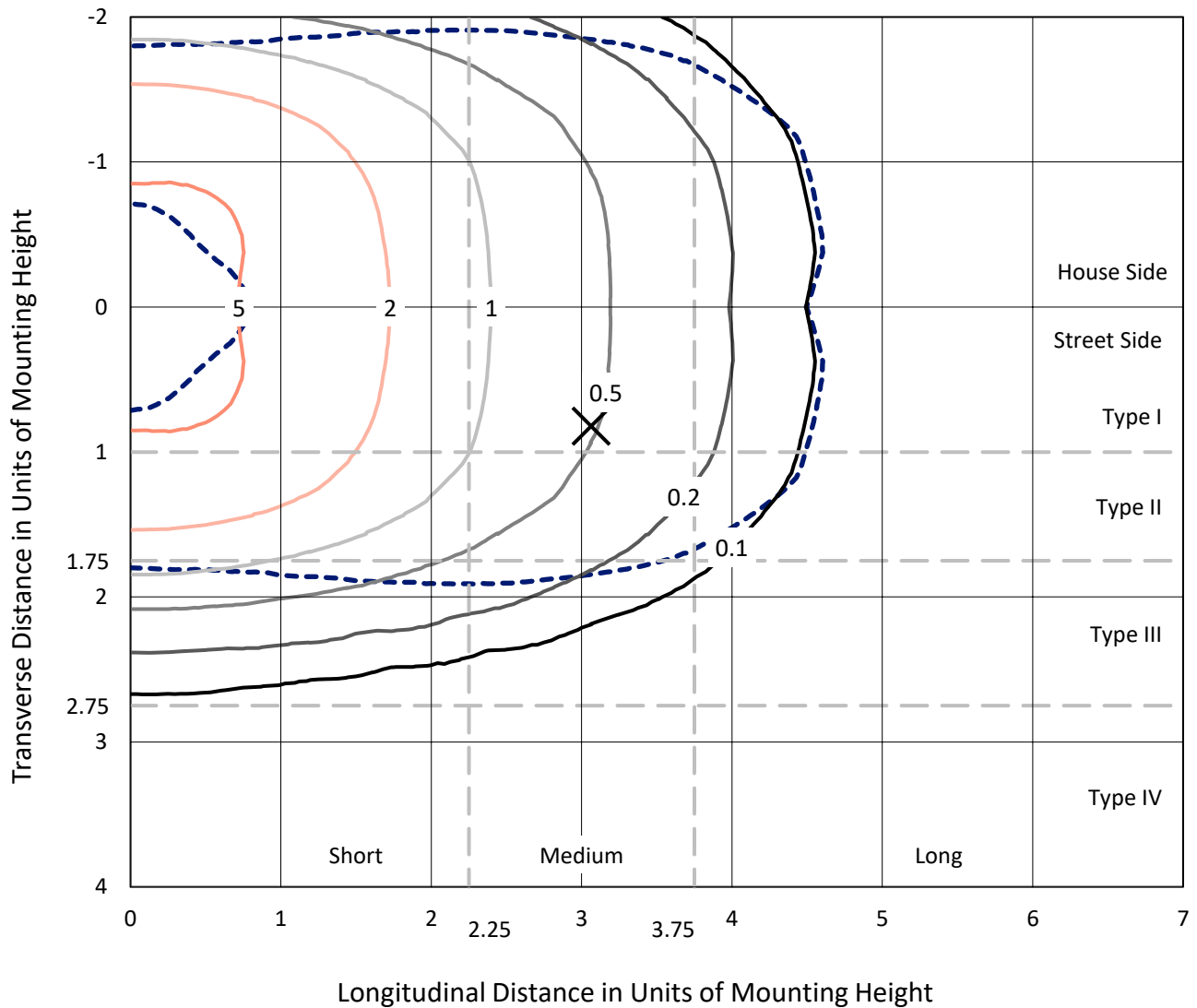
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

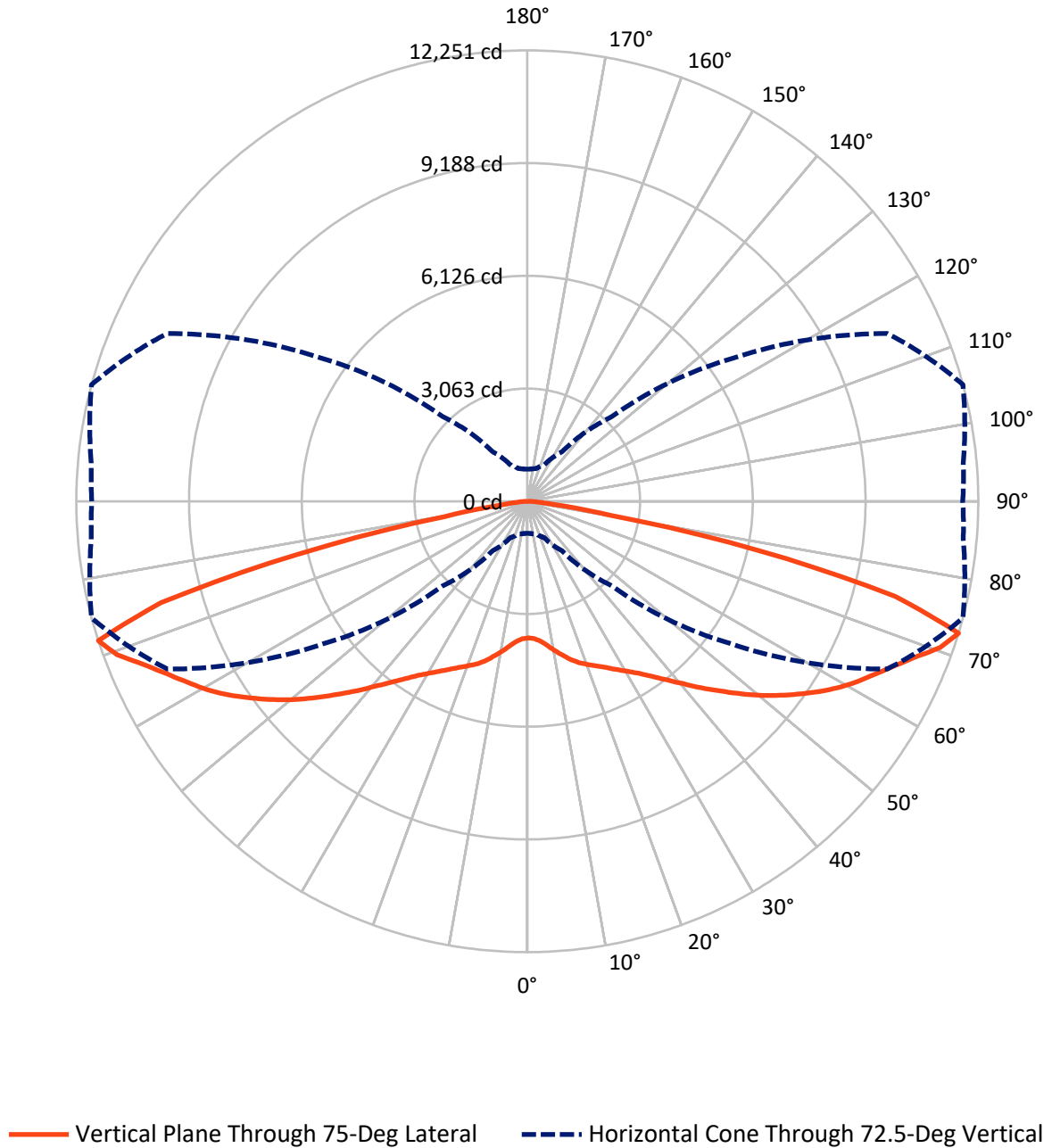
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	17322.5	0.0	17322.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17322.5	0.0	17322.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34645.0	0.0	34645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.5	1.0
10°-20°	1199.0	3.5
20°-30°	2316.8	6.7
30°-40°	3912.1	11.3
40°-50°	6204.2	17.9
50°-60°	8306.7	24.0
60°-70°	7905.3	22.8
70°-80°	4125.1	11.9
80°-90°	312.2	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°	34645.0	100.0
0°-180°	34645.0	100.0

Coefficient of Utilization

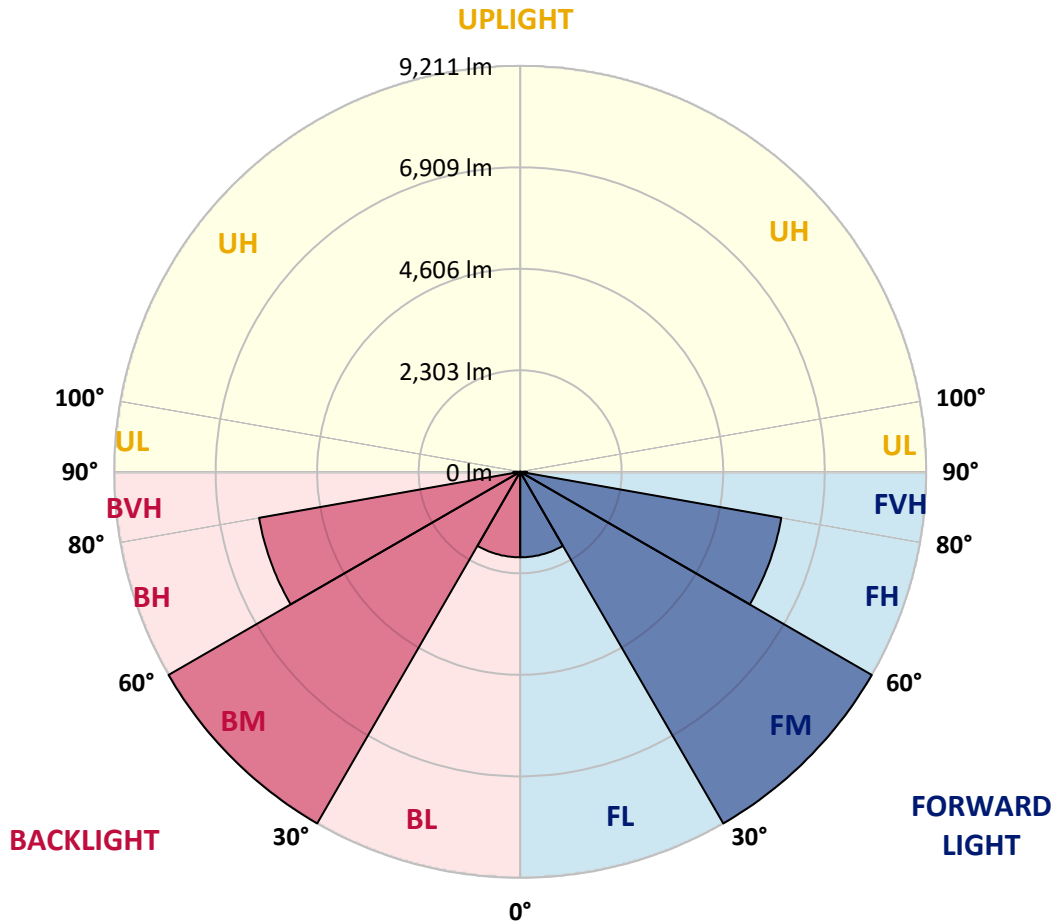


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1939.7	5.6			
FM (30°-60°)	9211.5	26.6			
FH (60°-80°)	6015.2	17.4			G3/7500
FVH (80°-90°)	156.1	0.5			G2/225
BL (0°-30°)	1939.7	5.6	B3/2500		
BM (30°-60°)	9211.5	26.6	B5		
BH (60°-80°)	6015.2	17.4	B5		G5
BVH (80°-90°)	156.1	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°	3711.1	3711.1	3711.1	3711.1	3711.1	3711.1	3711.1	3711.1	3711.1	3711.1
2.5°	3711.1	3707.6	3711.1	3714.6	3712.9	3712.9	3721.7	3727.0	3737.6	3735.9
5°	3686.3	3684.6	3698.7	3714.6	3727.0	3748.2	3774.8	3794.2	3819.0	3824.3
7.5°	3674.0	3668.6	3693.4	3721.7	3760.6	3813.7	3865.0	3918.1	3960.5	3974.7
10°	3682.8	3684.6	3718.2	3771.2	3833.2	3907.4	3980.0	4070.2	4130.3	4144.5
12.5°	3723.5	3719.9	3776.5	3861.5	3946.4	4040.1	4125.0	4224.1	4289.5	4323.1
15°	3797.8	3790.7	3870.3	3995.9	4119.7	4229.4	4298.4	4392.1	4468.2	4510.6
17.5°	3886.2	3889.8	3994.1	4156.9	4319.6	4443.4	4508.9	4556.6	4615.0	4652.1
20°	4041.9	4049.0	4165.7	4358.5	4544.2	4685.7	4738.8	4721.1	4737.0	4765.3
22.5°	4250.6	4254.1	4385.0	4593.8	4788.3	4944.0	4979.4	4906.9	4862.6	4882.1
25°	4492.9	4515.9	4646.8	4860.9	5060.8	5209.3	5225.3	5115.6	5005.9	5011.2
27.5°	4788.3	4809.6	4942.2	5154.5	5357.9	5487.1	5485.3	5338.5	5177.5	5136.8
30°	5108.5	5131.5	5267.7	5487.1	5676.3	5789.5	5764.8	5589.6	5359.7	5283.6
32.5°	5488.8	5503.0	5640.9	5860.3	6035.4	6125.6	6074.3	5858.5	5572.0	5485.3
35°	5948.7	5970.0	6072.5	6279.5	6433.4	6507.7	6421.0	6166.3	5844.4	5747.1
37.5°	6474.1	6459.9	6576.7	6760.6	6888.0	6934.0	6815.5	6513.0	6155.7	6040.7
40°	7022.4	7015.4	7142.7	7319.6	7388.6	7416.9	7241.8	6911.0	6514.8	6390.9
42.5°	7519.5	7514.2	7685.8	7882.1	7965.2	7933.4	7712.3	7333.8	6930.5	6788.9
45°	7917.5	7910.4	8120.9	8396.8	8559.6	8506.5	8209.3	7800.7	7351.4	7204.6
47.5°	8223.5	8227.0	8453.5	8794.8	9079.6	9099.1	8717.0	8276.6	7814.9	7648.6
50°	8444.6	8455.2	8697.6	9076.1	9465.2	9636.8	9235.3	8764.8	8294.3	8106.8
52.5°	8499.4	8518.9	8810.8	9254.8	9712.9	10040.1	9762.4	9233.5	8748.9	8570.2
55°	8207.6	8246.5	8616.2	9240.6	9865.0	10305.5	10225.9	9709.4	9207.0	9023.0
57.5°	7537.2	7592.0	8023.6	8839.1	9831.4	10487.7	10584.9	10165.7	9665.1	9488.2
60°	6597.9	6663.4	7077.3	7967.0	9357.3	10554.9	10837.9	10609.7	10086.1	9914.5
62.5°	5181.0	5265.9	5761.2	6804.9	8356.2	10241.8	11053.7	11011.2	10464.7	10250.6
65°	3323.7	3413.9	3935.7	5168.7	7020.7	9283.1	11120.9	11402.2	10864.4	10565.5
67.5°	2004.1	2044.8	2303.1	3132.7	5131.5	7837.9	10551.3	11835.5	11331.4	10959.9
70°	1282.4	1305.4	1459.3	1839.6	2901.0	5718.8	9139.8	11916.9	11897.5	11365.0
72.5°	870.3	877.4	918.0	1089.6	1641.5	3249.4	6741.2	10788.4	12251.2	11886.8
75°	636.8	675.7	741.2	771.2	932.2	1623.8	3863.2	7579.6	10324.9	10484.1
77.5°	474.1	475.8	566.0	601.4	665.1	865.0	1634.4	4231.1	6410.4	6730.6
80°	401.5	380.3	378.5	484.7	500.6	539.5	730.5	1461.1	2296.0	1392.1
82.5°	334.3	311.3	281.3	378.5	341.4	330.8	316.6	594.3	730.5	359.1
85°	233.5	222.9	212.3	247.6	194.6	166.3	152.1	277.7	307.8	152.1
87.5°	100.8	104.4	106.1	109.7	81.4	58.4	58.4	77.8	77.8	60.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
3711.1
3734.1
3824.3
3978.2
4158.6
4337.3
4526.6
4669.8
4786.6
4896.2
5020.1
5149.2
5292.5
5506.5
5761.2
6061.9
6431.6
6824.3
7238.2
7698.1
8163.4
8616.2
9074.3
9528.9
9951.7
10275.4
10602.6
10988.3
11361.5
<i>11830.2</i>
10098.5
6003.6
1052.5
306.0
134.4
44.2
0.0

OF REPORT)