

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: P957518

Luminaire Tested: **GALN-SB9D-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957518
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-SB9D-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 88528 lumens
Efficiency: N/A
Efficacy: 134.5 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

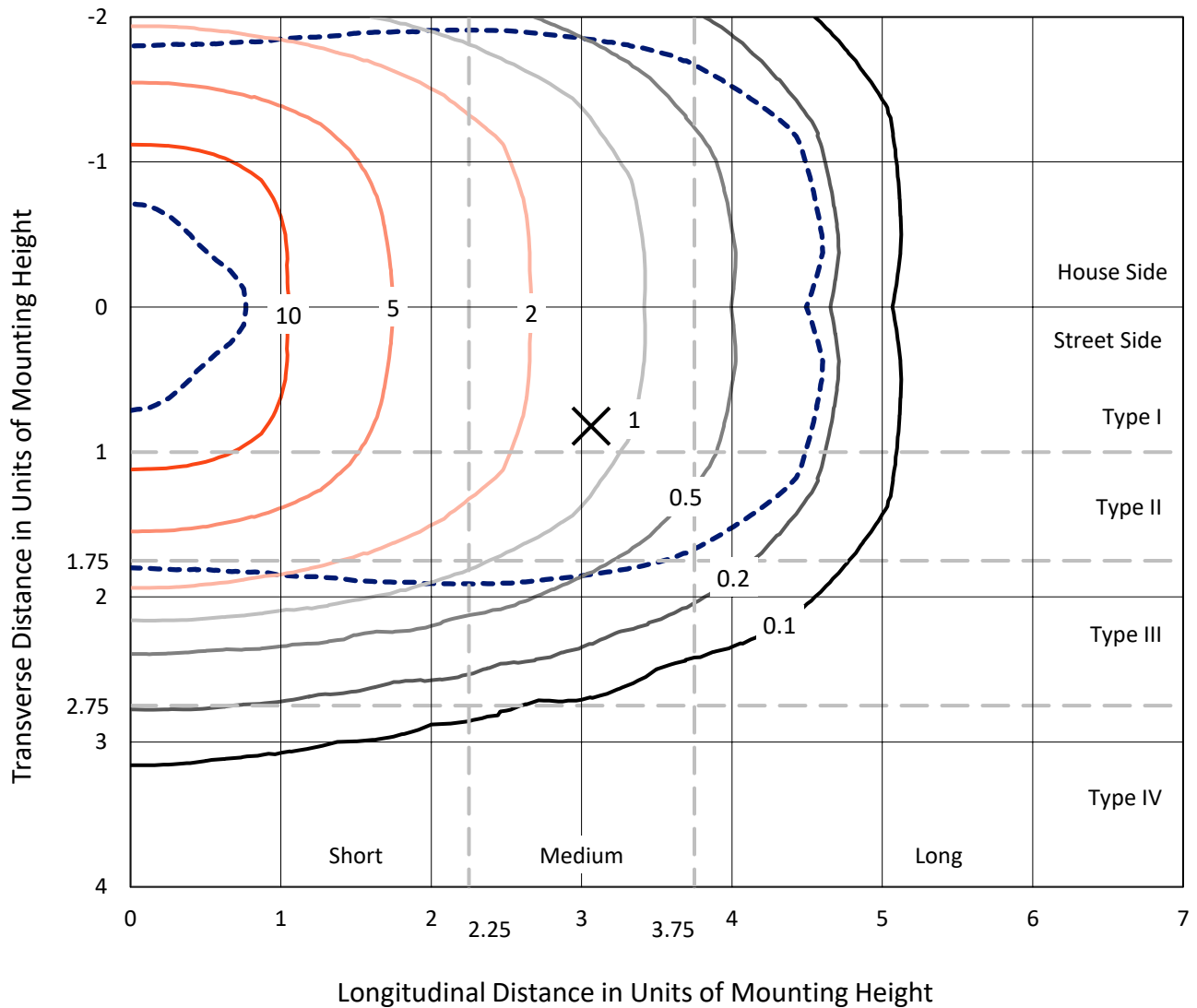
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

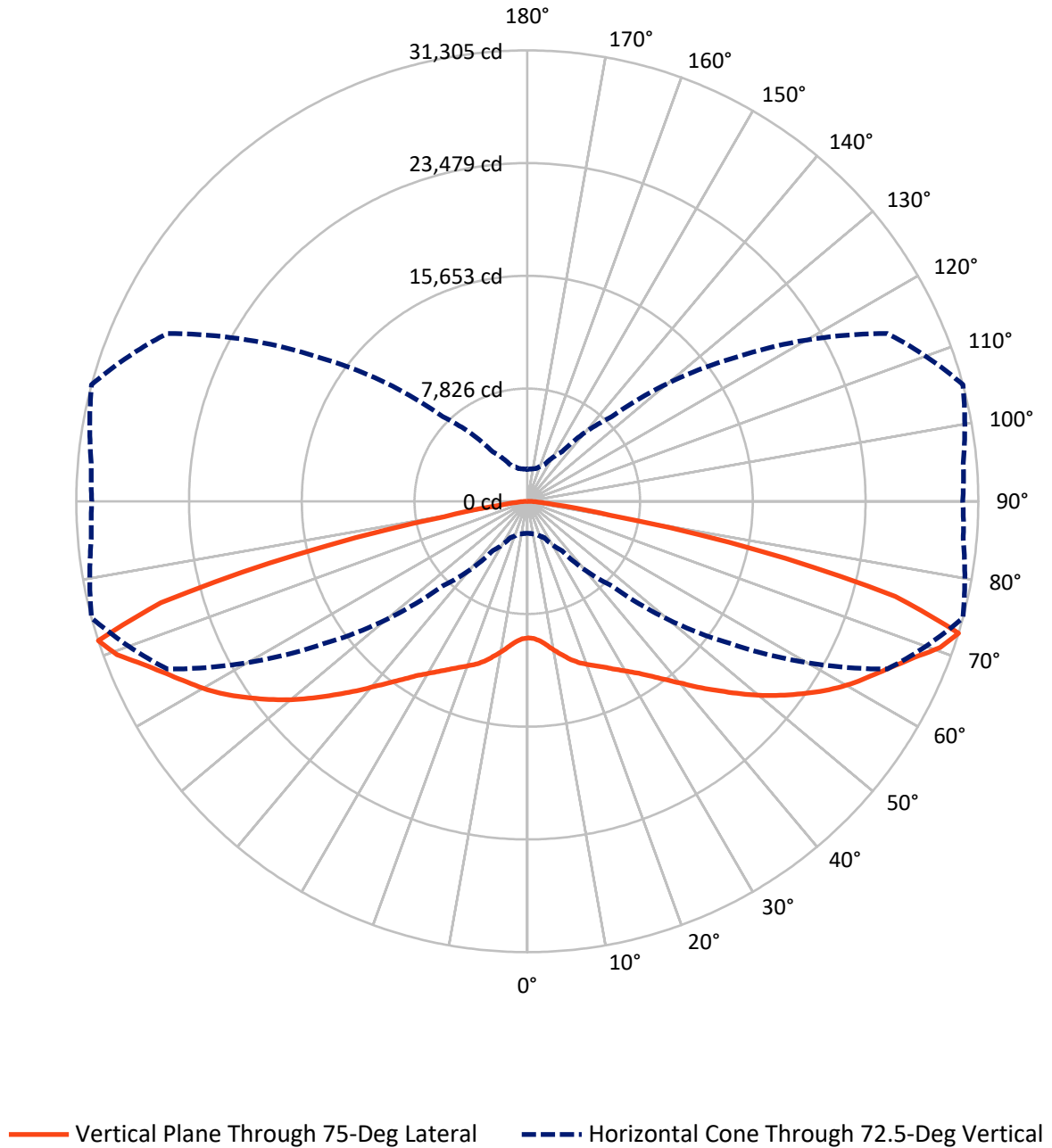
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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	44264.0	0.0	44264.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	44264.0	0.0	44264.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	88528.0	0.0	88528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	928.9	1.0
10°-20°	3063.8	3.5
20°-30°	5920.2	6.7
30°-40°	9996.6	11.3
40°-50°	15853.5	17.9
50°-60°	21226.0	24.0
60°-70°	20200.3	22.8
70°-80°	10540.9	11.9
80°-90°	797.9	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°	88528.0	100.0
0°-180°	88528.0	100.0

Coefficient of Utilization



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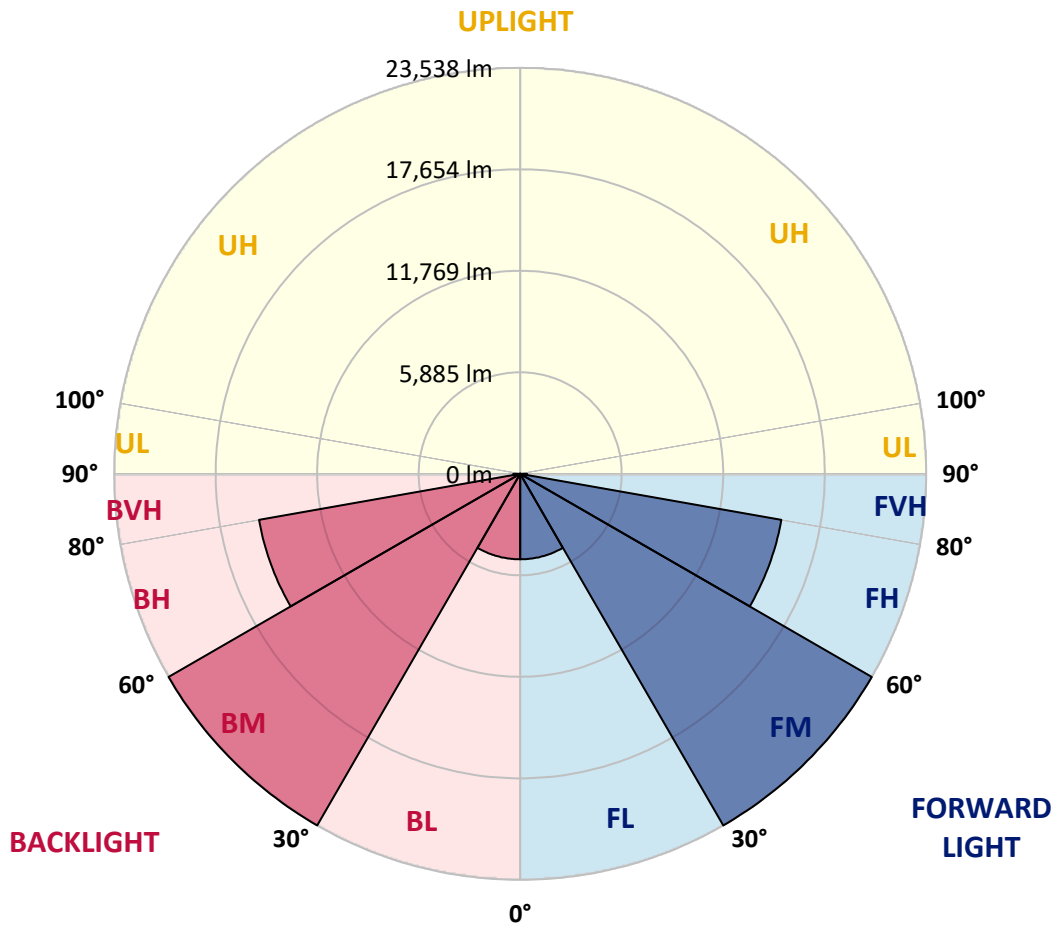
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4956.5	5.6			
FM (30°-60°)	23538.0	26.6			
FH (60°-80°)	15370.6	17.4			G5
FVH (80°-90°)	398.9	0.5			G3/500
BL (0°-30°)	4956.5	5.6	B4/5000		
BM (30°-60°)	23538.0	26.6	B5		
BH (60°-80°)	15370.6	17.4	B5		G5
BVH (80°-90°)	398.9	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°	9482.9	9482.9	9482.9	9482.9	9482.9	9482.9	9482.9	9482.9	9482.9	9482.9
2.5°	9482.9	9473.9	9482.9	9492.0	9487.5	9487.5	9510.1	9523.6	9550.7	9546.2
5°	9419.7	9415.1	9451.3	9492.0	9523.6	9577.9	9645.7	9695.4	9758.7	9772.2
7.5°	9388.0	9374.5	9437.7	9510.1	9609.5	9745.1	9876.2	10011.8	10120.3	10156.4
10°	9410.6	9415.1	9501.0	9636.6	9794.8	9984.7	10170.0	10400.5	10554.2	10590.3
12.5°	9514.6	9505.5	9650.2	9867.1	10084.1	10323.7	10540.6	10793.7	10961.0	11046.8
15°	9704.4	9686.3	9889.7	10210.7	10527.1	10807.3	10983.6	11223.1	11417.5	11526.0
17.5°	9930.4	9939.5	10206.1	10622.0	11037.8	11354.2	11521.4	11643.5	11792.6	11887.6
20°	10328.2	10346.3	10644.6	11137.2	11611.8	11973.4	12109.0	12063.8	12104.5	12176.8
22.5°	10861.5	10870.6	11205.0	11738.4	12235.6	12633.4	12723.8	12538.4	12425.4	12475.2
25°	11480.8	11539.5	11874.0	12420.9	12931.7	13311.4	13352.0	13071.8	12791.6	12805.1
27.5°	12235.6	12289.8	12628.8	13171.2	13691.0	14021.0	14016.5	13641.3	13230.0	13126.0
30°	13053.7	13112.5	13460.5	14021.0	14504.6	14793.9	14730.6	14283.2	13695.6	13501.2
32.5°	14025.5	14061.7	14414.2	14974.7	15422.2	15652.7	15521.6	14970.2	14238.0	14016.5
35°	15200.7	15255.0	15517.1	16046.0	16439.2	16629.0	16407.6	15756.7	14934.0	14685.4
37.5°	16543.2	16507.0	16805.3	17275.4	17600.8	17718.4	17415.5	16642.6	15729.6	15435.8
40°	17944.4	17926.3	18251.7	18703.7	18880.0	18952.3	18504.8	17659.6	16647.1	16330.7
42.5°	19214.5	19200.9	19639.3	20141.1	20353.5	20272.1	19707.1	18739.9	17709.3	17347.7
45°	20231.5	20213.4	20751.3	21456.4	21872.2	21736.6	20977.3	19933.1	18785.1	18409.9
47.5°	21013.4	21022.5	21601.0	22473.4	23201.1	23250.8	22274.5	21149.0	19969.3	19544.4
50°	21578.4	21605.5	22224.8	23192.1	24186.5	24624.9	23598.9	22396.5	21194.2	20715.1
52.5°	21718.5	21768.3	22514.1	23648.6	24819.3	25655.4	24945.8	23594.3	22355.9	21899.3
55°	20972.7	21072.2	22016.9	23612.4	25208.0	26333.4	26130.0	24810.2	23526.5	23056.5
57.5°	19259.7	19399.8	20502.7	22586.4	25122.1	26799.0	27047.6	25976.4	24697.2	24245.2
60°	16859.6	17026.8	18084.5	20358.0	23910.7	26970.8	27694.0	27110.9	25773.0	25334.5
62.5°	13239.0	13456.0	14721.6	17388.4	21352.4	26170.7	28245.4	28136.9	26740.2	26193.3
65°	8493.1	8723.6	10057.0	13207.4	17939.8	23720.9	28417.2	29135.8	27761.8	26997.9
67.5°	5121.1	5225.1	5885.0	8004.9	13112.5	20028.1	26961.7	30243.2	28955.0	28005.8
70°	3277.0	3335.8	3729.0	4700.8	7412.8	14613.1	23354.8	30451.2	30401.4	29040.9
72.5°	2223.8	2241.9	2345.9	2784.3	4194.5	8303.2	17225.7	27567.4	31305.4	30374.3
75°	1627.2	1726.6	1893.9	1970.7	2382.0	4149.3	9871.7	19368.1	26383.2	26790.0
77.5°	1211.4	1215.9	1446.4	1536.8	1699.5	2210.3	4176.5	10811.8	16380.4	17198.6
80°	1026.0	971.8	967.3	1238.5	1279.2	1378.6	1866.8	3733.5	5866.9	3557.2
82.5°	854.3	795.5	718.7	967.3	872.4	845.2	809.1	1518.7	1866.8	917.6
85°	596.6	569.5	542.4	632.8	497.2	424.9	388.7	709.6	786.5	388.7
87.5°	257.6	266.7	271.2	280.2	207.9	149.2	149.2	198.9	198.9	153.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
9482.9
9541.7
9772.2
10165.5
10626.5
11083.0
11566.6
11932.8
12231.1
12511.3
12827.7
13157.7
13523.8
14070.7
14721.6
15490.0
16434.7
17438.1
18495.8
19671.0
20859.7
22016.9
23187.5
24349.2
25429.4
26256.6
27092.8
28078.2
29031.9
30229.7
25804.6
15340.8
2689.4
782.0
343.5
113.0
0.0

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