

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: P957623

Luminaire Tested: **GALN-SB9D-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957623
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-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66396 lumens
Efficiency: N/A
Efficacy: 100.9 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

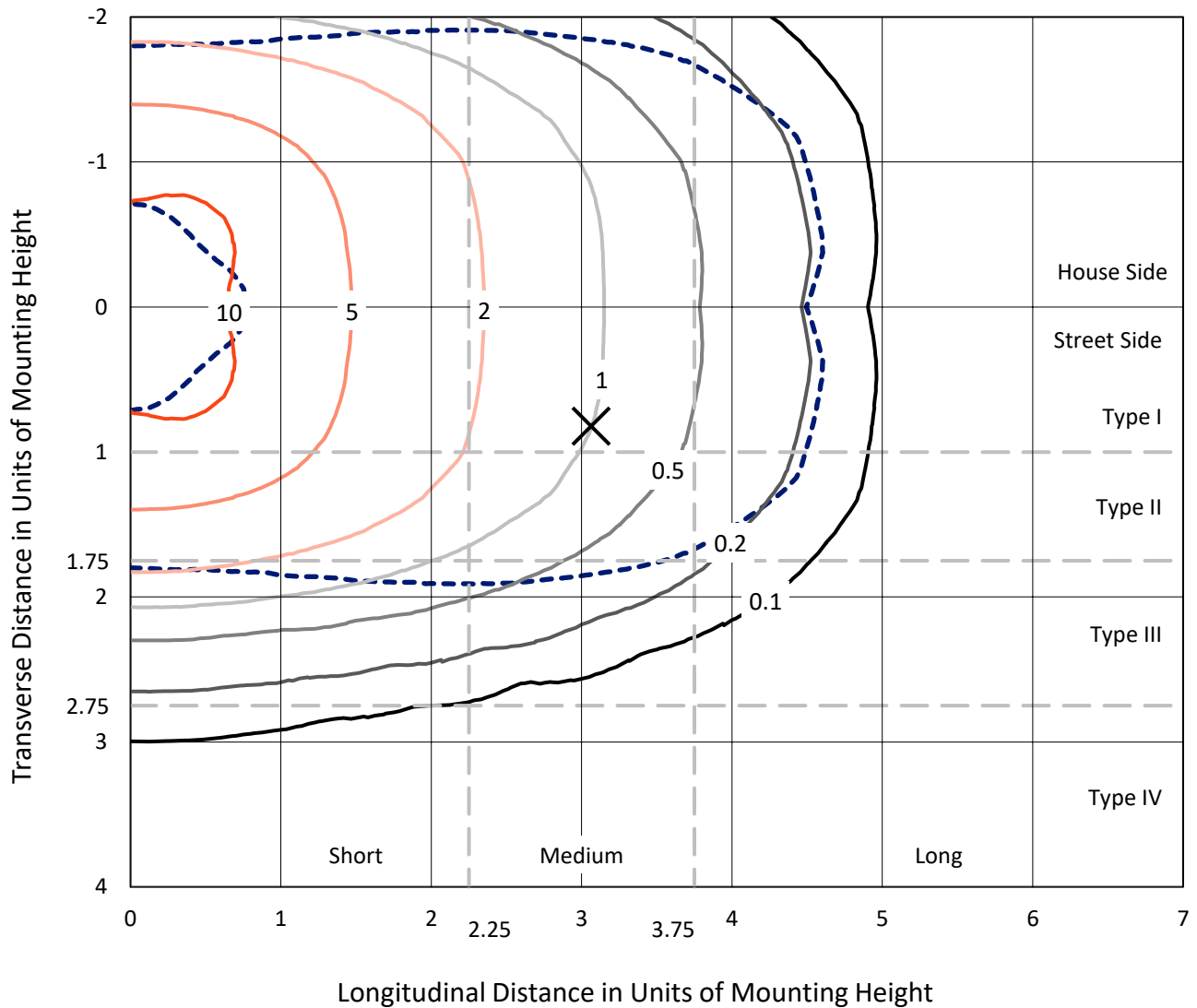
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

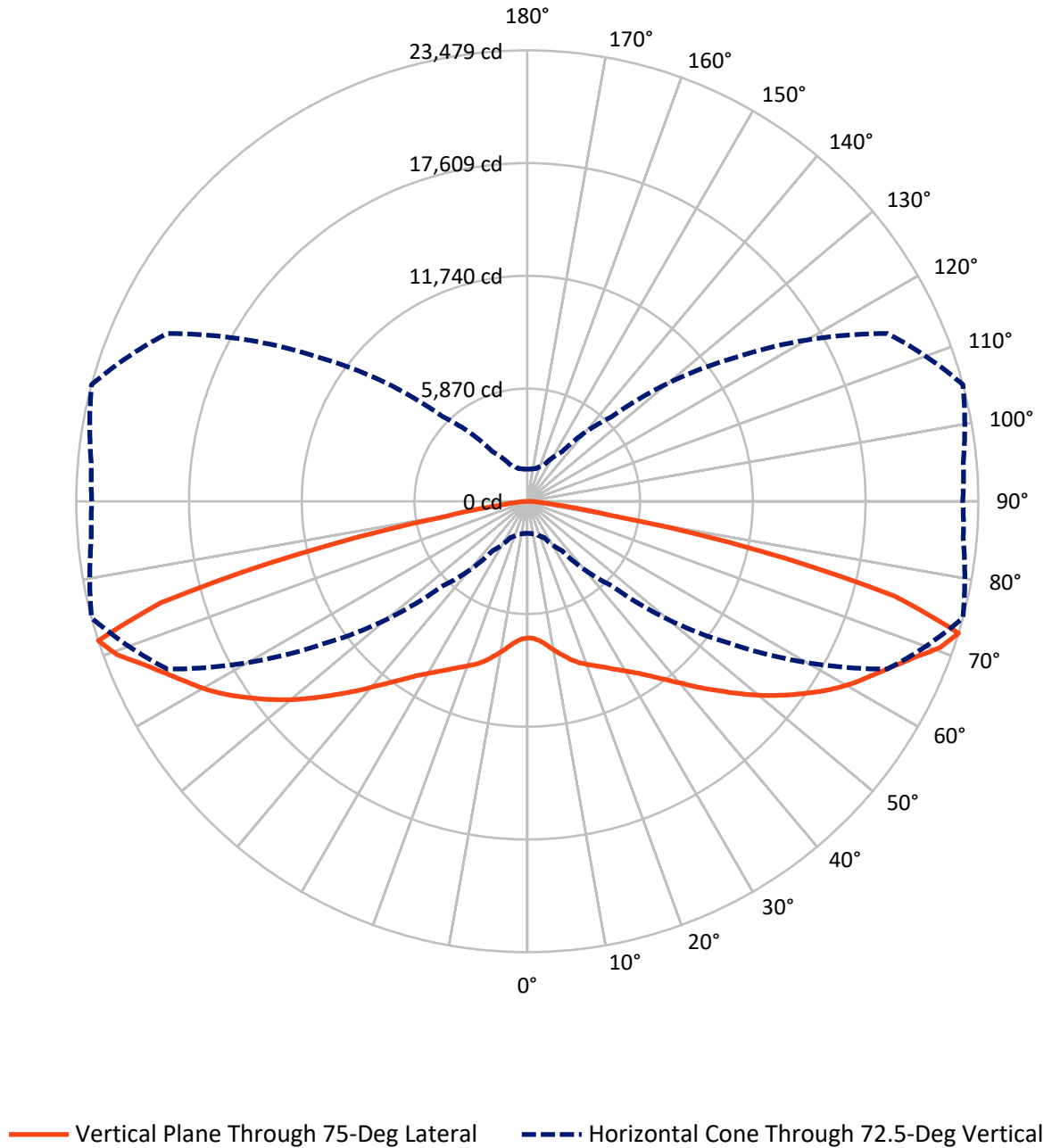
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	33198.0	0.0	33198.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33198.0	0.0	33198.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66396.0	0.0	66396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.7	1.0
10°-20°	2297.9	3.5
20°-30°	4440.1	6.7
30°-40°	7497.4	11.3
40°-50°	11890.1	17.9
50°-60°	15919.5	24.0
60°-70°	15150.2	22.8
70°-80°	7905.6	11.9
80°-90°	598.4	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°	66396.0	100.0
0°-180°	66396.0	100.0

Coefficient of Utilization



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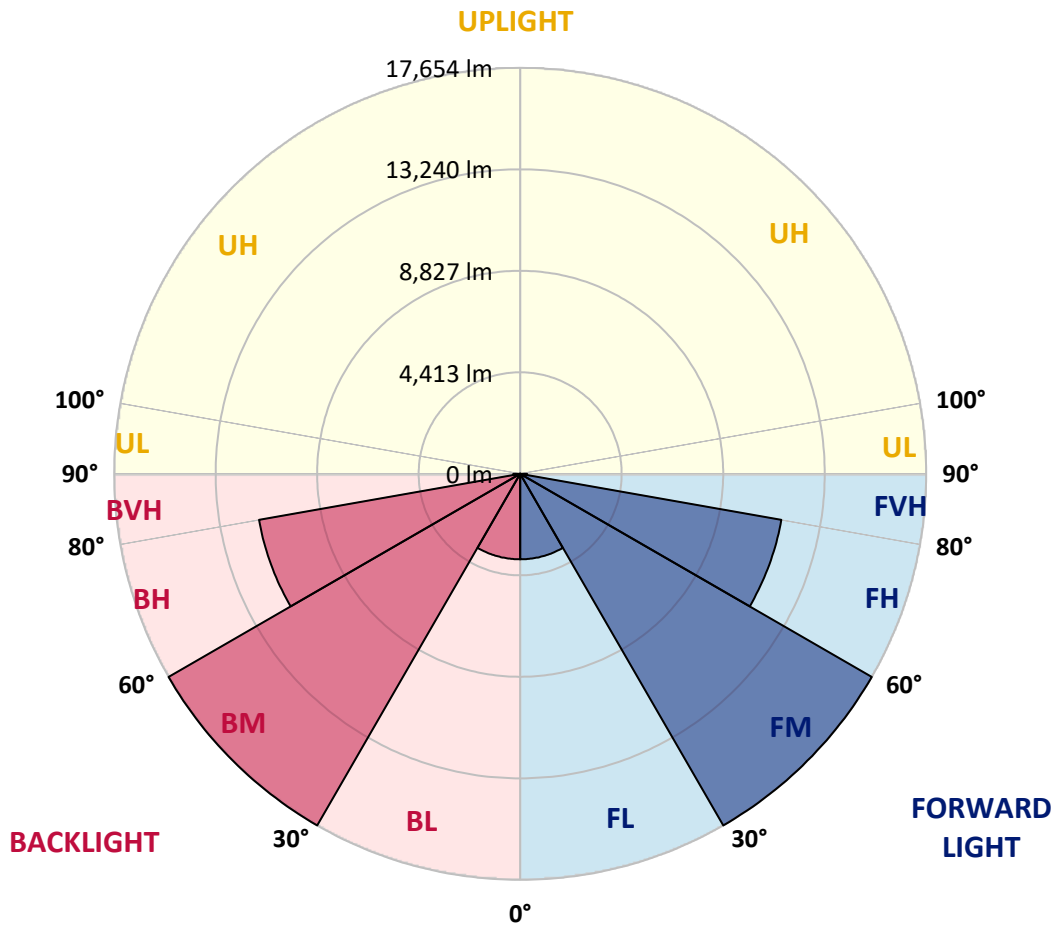
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3717.4	5.6			
FM (30°-60°)	17653.5	26.6			
FH (60°-80°)	11527.9	17.4			G4/12000
FVH (80°-90°)	299.2	0.5			G3/500
BL (0°-30°)	3717.4	5.6	B4/5000		
BM (30°-60°)	17653.5	26.6	B5		
BH (60°-80°)	11527.9	17.4	B5		G5
BVH (80°-90°)	299.2	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°	7112.2	7112.2	7112.2	7112.2	7112.2	7112.2	7112.2	7112.2	7112.2	7112.2
2.5°	7112.2	7105.4	7112.2	7119.0	7115.6	7115.6	7132.5	7142.7	7163.1	7159.7
5°	7064.7	7061.4	7088.5	7119.0	7142.7	7183.4	7234.2	7271.5	7319.0	7329.2
7.5°	7041.0	7030.8	7078.3	7132.5	7207.1	7308.8	7407.1	7508.8	7590.2	7617.3
10°	7058.0	7061.4	7125.8	7227.5	7346.1	7488.5	7627.5	7800.4	7915.6	7942.7
12.5°	7135.9	7129.2	7237.6	7400.3	7563.1	7742.7	7905.5	8095.3	8220.7	8285.1
15°	7278.3	7264.7	7417.3	7658.0	7895.3	8105.5	8237.7	8417.3	8563.1	8644.5
17.5°	7447.8	7454.6	7654.6	7966.5	8278.4	8515.7	8641.1	8732.6	8844.5	8915.7
20°	7746.1	7759.7	7983.4	8352.9	8708.9	8980.1	9081.8	9047.9	9078.4	9132.6
22.5°	8146.1	8152.9	8403.8	8803.8	9176.7	9475.0	9542.8	9403.8	9319.1	9356.4
25°	8610.6	8654.6	8905.5	9315.7	9698.8	9983.5	10014.0	9803.9	9593.7	9603.8
27.5°	9176.7	9217.4	9471.6	9878.4	10268.3	10515.8	10512.4	10231.0	9922.5	9844.5
30°	9790.3	9834.4	10095.4	10515.8	10878.5	11095.4	11048.0	10712.4	10271.7	10125.9
32.5°	10519.1	10546.3	10810.7	11231.0	11566.6	11739.5	11641.2	11227.6	10678.5	10512.4
35°	11400.5	11441.2	11637.8	12034.5	12329.4	12471.8	12305.7	11817.5	11200.5	11014.1
37.5°	12407.4	12380.2	12604.0	12956.5	13200.6	13288.8	13061.6	12481.9	11797.2	11576.8
40°	13458.3	13444.7	13688.8	14027.8	14160.0	14214.2	13878.6	13244.7	12485.3	12248.0
42.5°	14410.8	14400.7	14729.5	15105.8	15265.1	15204.1	14780.4	14054.9	13282.0	13010.8
45°	15173.6	15160.0	15563.4	16092.3	16404.2	16302.5	15732.9	14949.9	14088.8	13807.4
47.5°	15760.1	15766.8	16200.8	16855.0	17400.8	17438.1	16705.9	15861.8	14977.0	14658.3
50°	16183.8	16204.2	16668.6	17394.0	18139.8	18468.7	17699.1	16797.4	15895.7	15536.3
52.5°	16288.9	16326.2	16885.5	17736.4	18614.4	19241.6	18709.4	17695.8	16766.9	16424.5
55°	15729.6	15804.1	16512.6	17709.3	18906.0	19750.1	19597.5	18607.7	17644.9	17292.3
57.5°	14444.7	14549.8	15377.0	16939.8	18841.6	20099.3	20285.7	19482.3	18522.9	18183.9
60°	12644.7	12770.1	13563.4	15268.5	17933.1	20228.1	20770.5	20333.2	19329.7	19000.9
62.5°	9929.3	10092.0	11041.2	13041.3	16014.3	19628.0	21184.1	21102.7	20055.2	19645.0
65°	6369.8	6542.7	7542.7	9905.6	13454.9	17790.7	21312.9	21851.9	20821.3	20248.4
67.5°	3840.9	3918.8	4413.8	6003.7	9834.4	15021.0	20221.3	22682.4	21716.3	21004.4
70°	2457.7	2501.8	2796.7	3525.6	5559.6	10959.8	17516.1	22838.4	22801.1	21780.7
72.5°	1667.9	1681.4	1759.4	2088.2	3145.9	6227.4	12919.3	20675.6	23479.1	22780.7
75°	1220.4	1295.0	1420.4	1478.0	1786.5	3112.0	7403.7	14526.1	19787.4	20092.5
77.5°	908.5	911.9	1084.8	1152.6	1274.6	1657.7	3132.4	8108.9	12285.3	12898.9
80°	769.5	728.8	725.5	928.9	959.4	1033.9	1400.1	2800.1	4400.2	2667.9
82.5°	640.7	596.6	539.0	725.5	654.3	633.9	606.8	1139.0	1400.1	688.2
85°	447.5	427.1	406.8	474.6	372.9	318.7	291.5	532.2	589.9	291.5
87.5°	193.2	200.0	203.4	210.2	155.9	111.9	111.9	149.2	149.2	115.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7112.2
7156.3
7329.2
7624.1
7969.9
8312.3
8675.0
8949.6
9173.3
9383.5
9620.8
9868.3
10142.9
10553.0
11041.2
11617.5
12326.0
13078.6
13871.8
14753.2
15644.8
16512.6
17390.7
18261.9
19072.1
19692.5
20319.6
21058.6
21773.9
22672.3
19353.5
11505.6
2017.0
586.5
257.6
84.7
0.0

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