

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: P956531

Luminaire Tested: **GALN-SB9A-930-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956531
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-930-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29269 lumens
Efficiency: N/A
Efficacy: 114.6 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

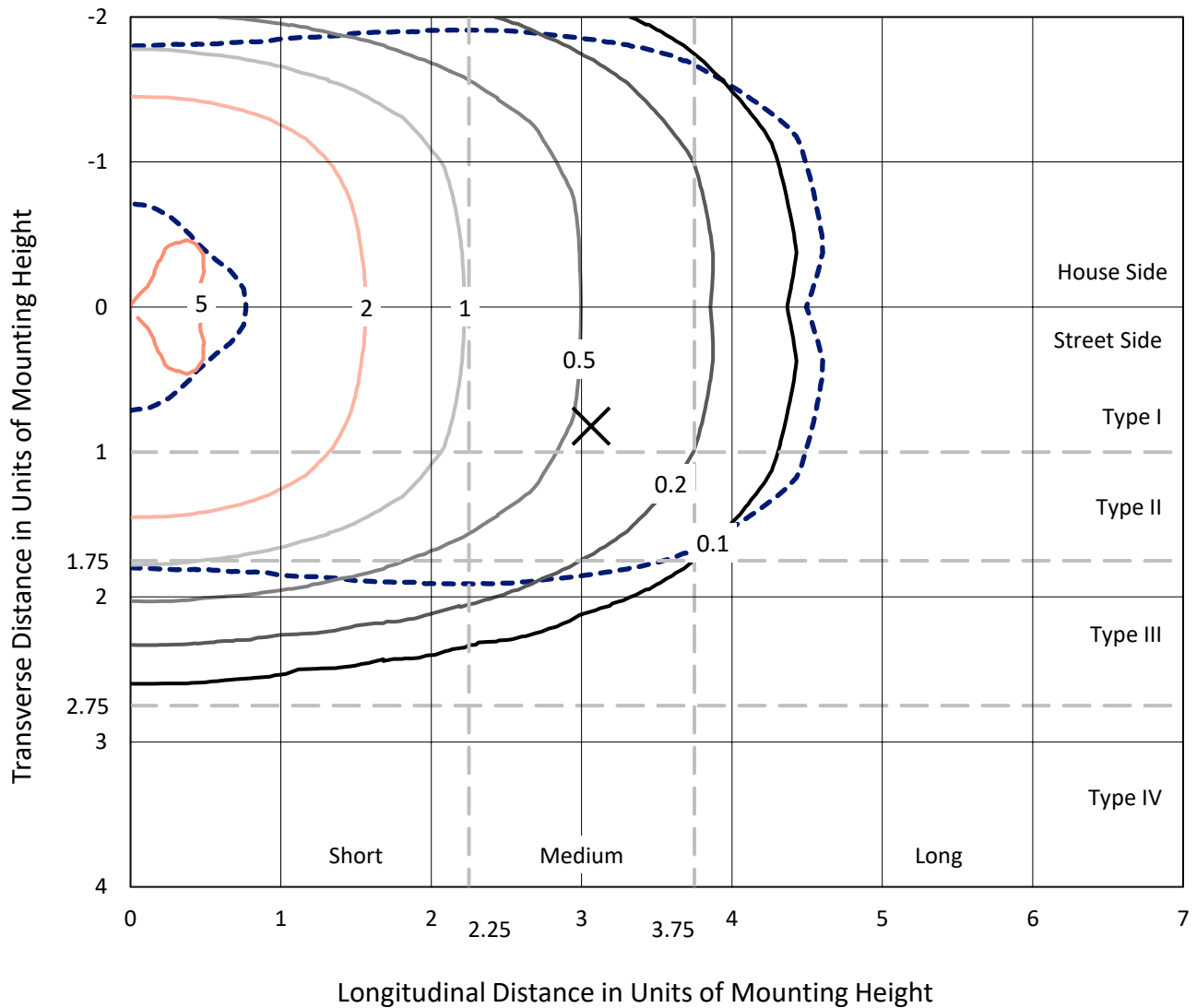
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

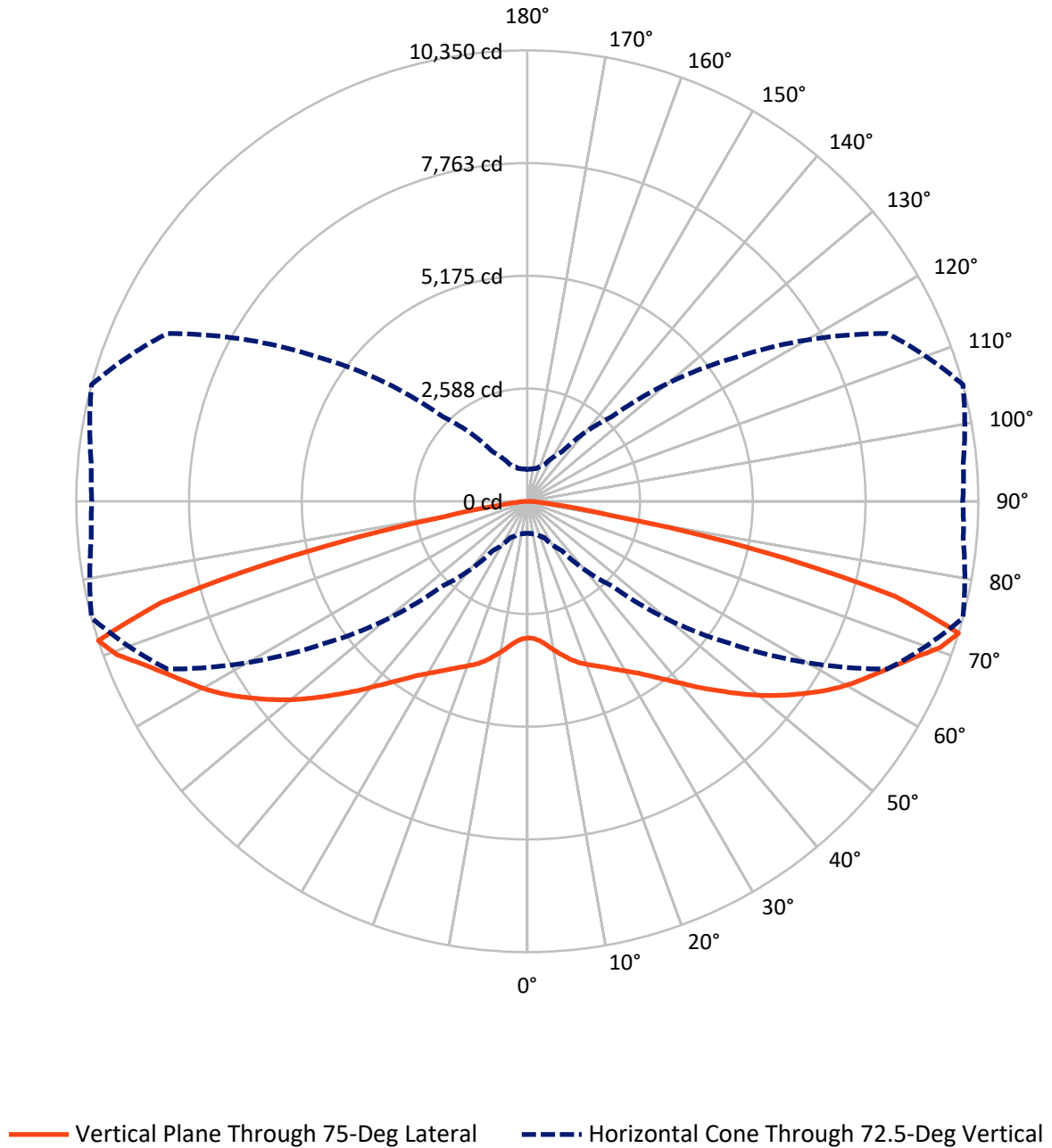
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14634.5	0.0	14634.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14634.5	0.0	14634.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29269.0	0.0	29269.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	1.0
10°-20°	1013.0	3.5
20°-30°	1957.3	6.7
30°-40°	3305.1	11.3
40°-50°	5241.5	17.9
50°-60°	7017.7	24.0
60°-70°	6678.6	22.8
70°-80°	3485.0	11.9
80°-90°	263.8	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°	29269.0	100.0
0°-180°	29269.0	100.0



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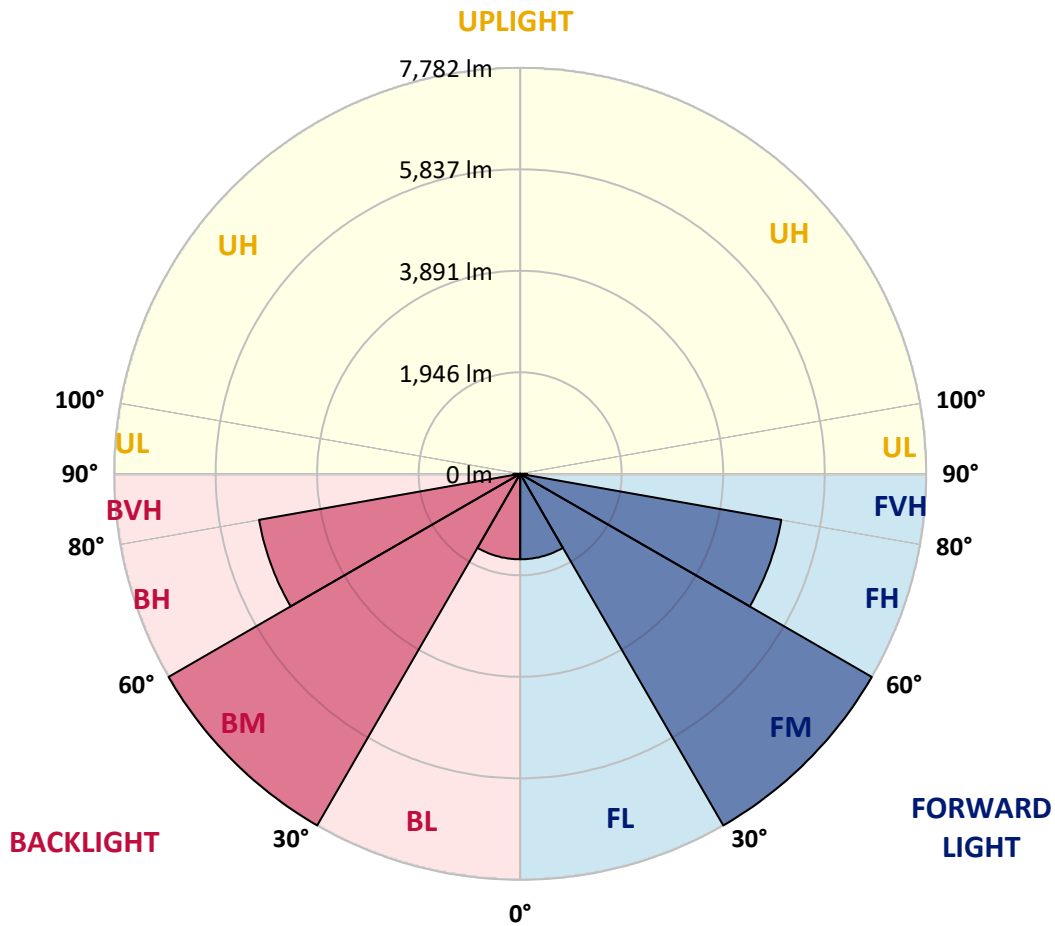
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1638.7	5.6			
FM (30°-60°)	7782.1	26.6			
FH (60°-80°)	5081.8	17.4			G3/7500
FVH (80°-90°)	131.9	0.5			G2/225
BL (0°-30°)	1638.7	5.6	B3/2500		
BM (30°-60°)	7782.1	26.6	B4/8500		
BH (60°-80°)	5081.8	17.4	B5		G5
BVH (80°-90°)	131.9	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°	3135.2	3135.2	3135.2	3135.2	3135.2	3135.2	3135.2	3135.2	3135.2	3135.2
2.5°	3135.2	3132.2	3135.2	3138.2	3136.7	3136.7	3144.2	3148.7	3157.6	3156.2
5°	3114.3	3112.8	3124.8	3138.2	3148.7	3166.6	3189.0	3205.5	3226.4	3230.9
7.5°	3103.9	3099.4	3120.3	3144.2	3177.1	3221.9	3265.2	3310.1	3345.9	3357.9
10°	3111.3	3112.8	3141.2	3186.0	3238.3	3301.1	3362.4	3438.6	3489.4	3501.4
12.5°	3145.7	3142.7	3190.5	3262.3	3334.0	3413.2	3484.9	3568.6	3623.9	3652.3
15°	3208.5	3202.5	3269.7	3375.8	3480.4	3573.1	3631.4	3710.6	3774.8	3810.7
17.5°	3283.2	3286.2	3374.3	3511.8	3649.3	3753.9	3809.2	3849.6	3898.9	3930.3
20°	3414.7	3420.7	3519.3	3682.2	3839.1	3958.6	4003.5	3988.5	4002.0	4025.9
22.5°	3591.0	3594.0	3704.6	3880.9	4045.3	4176.8	4206.7	4145.4	4108.1	4124.5
25°	3795.8	3815.2	3925.8	4106.6	4275.5	4401.0	4414.4	4321.8	4229.1	4233.6
27.5°	4045.3	4063.3	4175.3	4354.7	4526.5	4635.6	4634.1	4510.1	4374.1	4339.7
30°	4315.8	4335.2	4450.3	4635.6	4795.5	4891.1	4870.2	4722.3	4528.0	4463.7
32.5°	4637.1	4649.1	4765.6	4950.9	5098.9	5175.1	5131.7	4949.4	4707.3	4634.1
35°	5025.6	5043.6	5130.2	5305.1	5435.1	5497.9	5424.6	5209.4	4937.5	4855.3
37.5°	5469.5	5457.5	5556.1	5711.6	5819.2	5858.0	5757.9	5502.4	5200.5	5103.3
40°	5932.7	5926.8	6034.4	6183.8	6242.1	6266.0	6118.0	5838.6	5503.8	5399.2
42.5°	6352.7	6348.2	6493.1	6659.0	6729.2	6702.3	6515.5	6195.7	5855.0	5735.5
45°	6688.9	6682.9	6860.8	7093.9	7231.4	7186.5	6935.5	6590.3	6210.7	6086.7
47.5°	6947.4	6950.4	7141.7	7430.1	7670.7	7687.2	7364.4	6992.3	6602.2	6461.7
50°	7134.2	7143.2	7347.9	7667.7	7996.5	8141.4	7802.2	7404.7	7007.2	6848.8
52.5°	7180.6	7197.0	7443.6	7818.7	8205.7	8482.2	8247.5	7800.7	7391.3	7240.3
55°	6934.0	6966.9	7279.2	7806.7	8334.2	8706.3	8639.1	8202.7	7778.3	7622.9
57.5°	6367.6	6413.9	6778.6	7467.5	8305.8	8860.2	8942.4	8588.3	8165.4	8015.9
60°	5574.1	5629.4	5979.1	6730.7	7905.3	8917.0	9156.1	8963.4	8521.0	8376.1
62.5°	4377.1	4448.8	4867.2	5748.9	7059.5	8652.5	9338.5	9302.6	8840.8	8660.0
65°	2808.0	2884.2	3325.0	4366.6	5931.2	7842.6	9395.2	9632.8	9178.6	8926.0
67.5°	1693.1	1727.5	1945.7	2646.6	4335.2	6621.6	8914.0	9999.0	9573.1	9259.3
70°	1083.4	1102.9	1232.9	1554.2	2450.8	4831.4	7721.5	10067.7	10051.3	9601.5
72.5°	735.2	741.2	775.6	920.5	1386.8	2745.2	5695.1	9114.3	10350.2	10042.3
75°	538.0	570.9	626.2	651.6	787.5	1371.9	3263.8	6403.5	8722.8	8857.3
77.5°	400.5	402.0	478.2	508.1	561.9	730.8	1380.8	3574.6	5415.7	5686.2
80°	339.2	321.3	319.8	409.5	422.9	455.8	617.2	1234.4	1939.7	1176.1
82.5°	282.4	263.0	237.6	319.8	288.4	279.5	267.5	502.1	617.2	303.4
85°	197.3	188.3	179.3	209.2	164.4	140.5	128.5	234.6	260.0	128.5
87.5°	85.2	88.2	89.7	92.7	68.7	49.3	49.3	65.8	65.8	50.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3135.2
3154.7
3230.9
3360.9
3513.3
3664.2
3824.1
3945.2
4043.8
4136.5
4241.1
4350.2
4471.2
4652.0
4867.2
5121.3
5433.6
5765.4
6115.1
6503.6
6896.6
7279.2
7666.2
8050.3
8407.4
8680.9
8957.4
9283.2
9598.5
9994.5
8531.5
5072.0
889.2
258.5
113.6
37.4
0.0

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