

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: P957287

Luminaire Tested: **GALN-SB9C-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957287
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-SB9C-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50901 lumens
Efficiency: N/A
Efficacy: 113.2 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

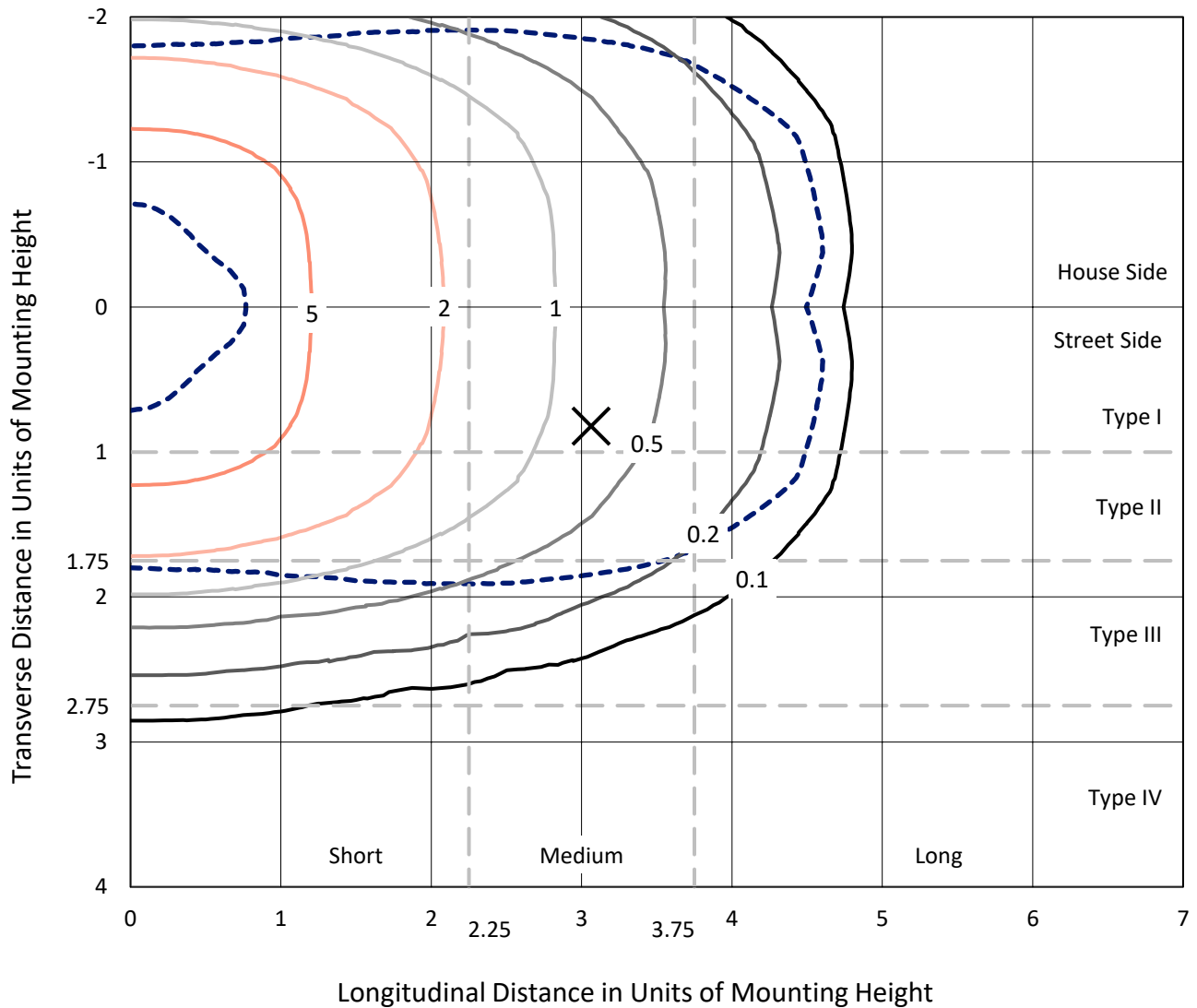
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

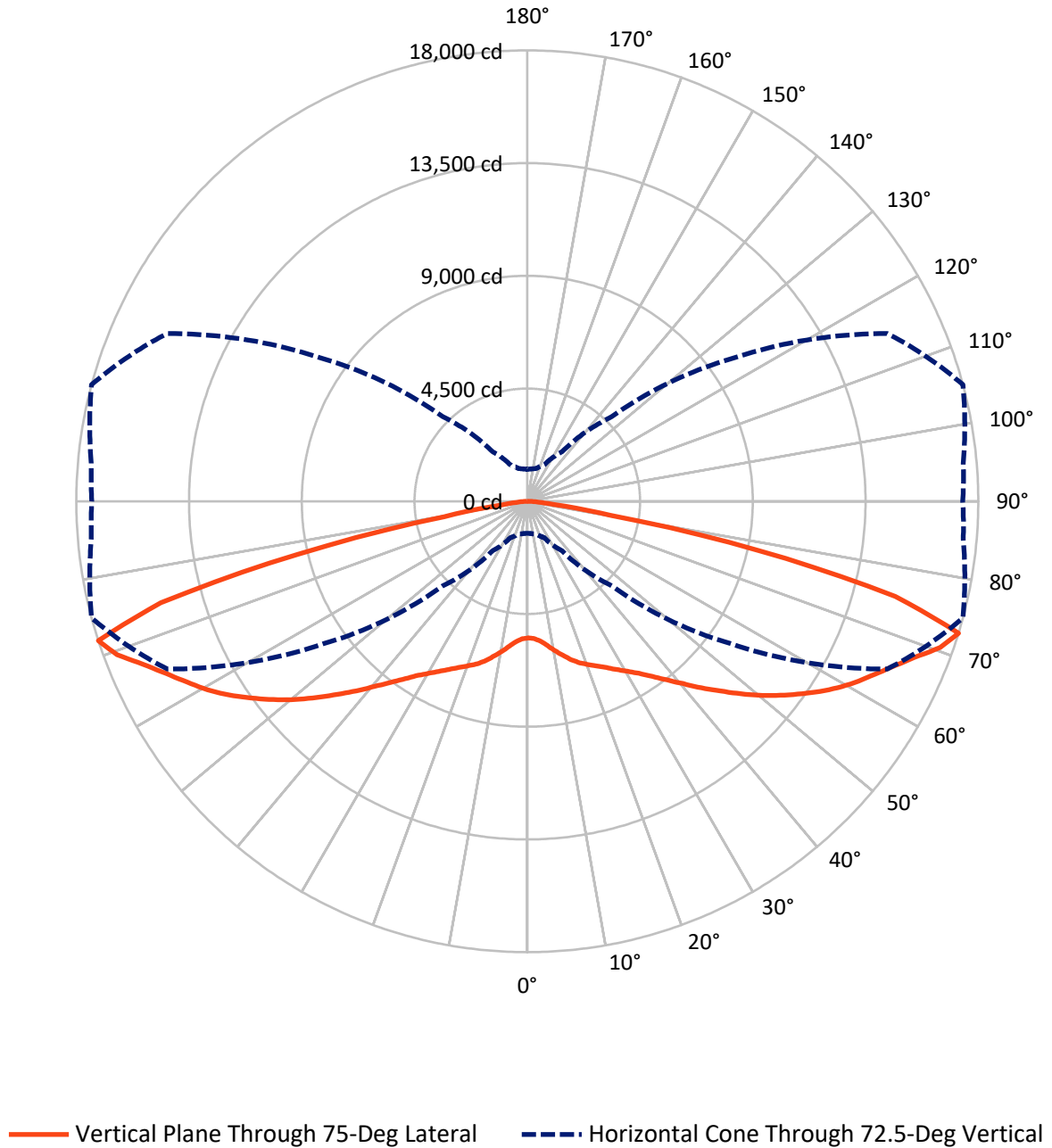
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	25450.5	0.0	25450.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25450.5	0.0	25450.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	50901.0	0.0	50901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.1	1.0
10°-20°	1761.6	3.5
20°-30°	3403.9	6.7
30°-40°	5747.7	11.3
40°-50°	9115.3	17.9
50°-60°	12204.3	24.0
60°-70°	11614.6	22.8
70°-80°	6060.7	11.9
80°-90°	458.8	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°	50901.0	100.0
0°-180°	50901.0	100.0

Coefficient of Utilization



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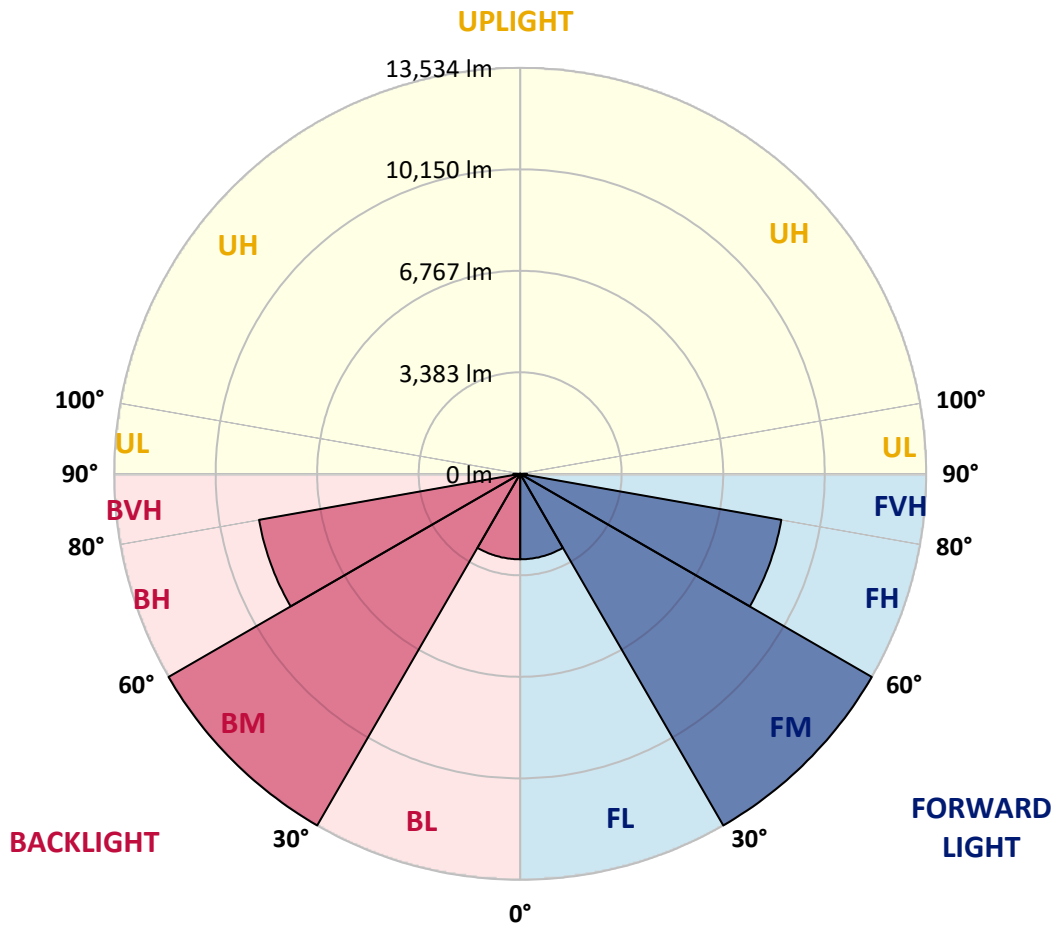
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2849.8	5.6			
FM (30°-60°)	13533.7	26.6			
FH (60°-80°)	8837.6	17.4			G4/12000
FVH (80°-90°)	229.4	0.5			G3/500
BL (0°-30°)	2849.8	5.6	B4/5000		
BM (30°-60°)	13533.7	26.6	B5		
BH (60°-80°)	8837.6	17.4	B5		G5
BVH (80°-90°)	229.4	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°	5452.4	5452.4	5452.4	5452.4	5452.4	5452.4	5452.4	5452.4	5452.4	5452.4
2.5°	5452.4	5447.2	5452.4	5457.6	5455.0	5455.0	5468.0	5475.8	5491.4	5488.8
5°	5416.0	5413.4	5434.2	5457.6	5475.8	5507.0	5546.0	5574.6	5610.9	5618.7
7.5°	5397.8	5390.0	5426.4	5468.0	5525.2	5603.1	5678.5	5756.5	5818.8	5839.6
10°	5410.8	5413.4	5462.8	5540.8	5631.7	5740.9	5847.4	5980.0	6068.3	6089.1
12.5°	5470.6	5465.4	5548.6	5673.3	5798.1	5935.8	6060.5	6206.1	6302.2	6351.6
15°	5579.8	5569.4	5686.3	5870.8	6052.7	6213.9	6315.2	6453.0	6564.7	6627.1
17.5°	5709.7	5714.9	5868.2	6107.3	6346.4	6528.3	6624.5	6694.7	6780.4	6835.0
20°	5938.4	5948.8	6120.3	6403.6	6676.5	6884.4	6962.3	6936.4	6959.7	7001.3
22.5°	6245.1	6250.3	6442.6	6749.2	7035.1	7263.8	7315.8	7209.2	7144.3	7172.9
25°	6601.1	6634.9	6827.2	7141.7	7435.3	7653.6	7677.0	7515.9	7354.8	7362.6
27.5°	7035.1	7066.3	7261.2	7573.1	7871.9	8061.7	8059.1	7843.4	7606.9	7547.1
30°	7505.5	7539.3	7739.4	8061.7	8339.7	8506.1	8469.7	8212.4	7874.5	7762.8
32.5°	8064.3	8085.1	8287.8	8610.0	8867.3	8999.9	8924.5	8607.4	8186.4	8059.1
35°	8740.0	8771.2	8921.9	9226.0	9452.1	9561.2	9433.9	9059.6	8586.6	8443.7
37.5°	9511.8	9491.0	9662.6	9932.8	10120.0	10187.5	10013.4	9569.0	9044.0	8875.1
40°	10317.5	10307.1	10494.2	10754.1	10855.4	10897.0	10639.7	10153.7	9571.6	9389.7
42.5°	11047.8	11040.0	11292.0	11580.5	11702.7	11655.9	11331.0	10774.9	10182.3	9974.4
45°	11632.5	11622.1	11931.4	12336.8	12575.9	12497.9	12061.3	11461.0	10800.9	10585.2
47.5°	12082.1	12087.3	12420.0	12921.5	13339.9	13368.5	12807.2	12160.1	11481.8	11237.5
50°	12407.0	12422.6	12778.6	13334.8	13906.5	14158.6	13568.6	12877.4	12186.1	11910.6
52.5°	12487.5	12516.1	12944.9	13597.2	14270.3	14751.1	14343.1	13566.0	12854.0	12591.5
55°	12058.7	12115.9	12659.0	13576.4	14493.8	15141.0	15024.0	14265.1	13527.1	13256.8
57.5°	11073.7	11154.3	11788.4	12986.5	14444.5	15408.6	15551.6	14935.6	14200.2	13940.3
60°	9693.7	9789.9	10398.0	11705.3	13748.0	15507.4	15923.2	15588.0	14818.7	14566.6
62.5°	7612.1	7736.8	8464.5	9997.8	12277.0	15047.4	16240.3	16177.9	15374.9	15060.4
65°	4883.3	5015.8	5782.5	7593.9	10314.9	13638.8	16339.0	16752.3	15962.2	15523.0
67.5°	2944.5	3004.3	3383.7	4602.6	7539.3	11515.5	15502.2	17389.0	16648.3	16102.5
70°	1884.2	1918.0	2144.1	2702.8	4262.1	8402.1	13428.3	17508.5	17479.9	16697.7
72.5°	1278.6	1289.0	1348.8	1600.9	2411.7	4774.1	9904.3	15850.4	17999.7	17464.3
75°	935.6	992.8	1088.9	1133.1	1369.6	2385.8	5675.9	11136.1	15169.5	15403.4
77.5°	696.5	699.1	831.6	883.6	977.2	1270.8	2401.3	6216.5	9418.3	9888.7
80°	589.9	558.8	556.2	712.1	735.5	792.7	1073.3	2146.7	3373.3	2045.3
82.5°	491.2	457.4	413.2	556.2	501.6	486.0	465.2	873.2	1073.3	527.6
85°	343.0	327.5	311.9	363.8	285.9	244.3	223.5	408.0	452.2	223.5
87.5°	148.1	153.3	155.9	161.1	119.5	85.8	85.8	114.3	114.3	88.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5452.4
5486.2
5618.7
5844.8
6109.9
6372.4
6650.5
6861.0
7032.5
7193.6
7375.6
7565.3
7775.8
8090.3
8464.5
8906.3
9449.5
10026.4
10634.5
11310.2
11993.7
12659.0
13332.2
14000.1
14621.2
15096.8
15577.6
16144.1
16692.5
17381.2
14836.9
8820.5
1546.3
449.6
197.5
65.0
0.0

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