

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: P944813

Luminaire Tested: **GALN-SB9D-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66444 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

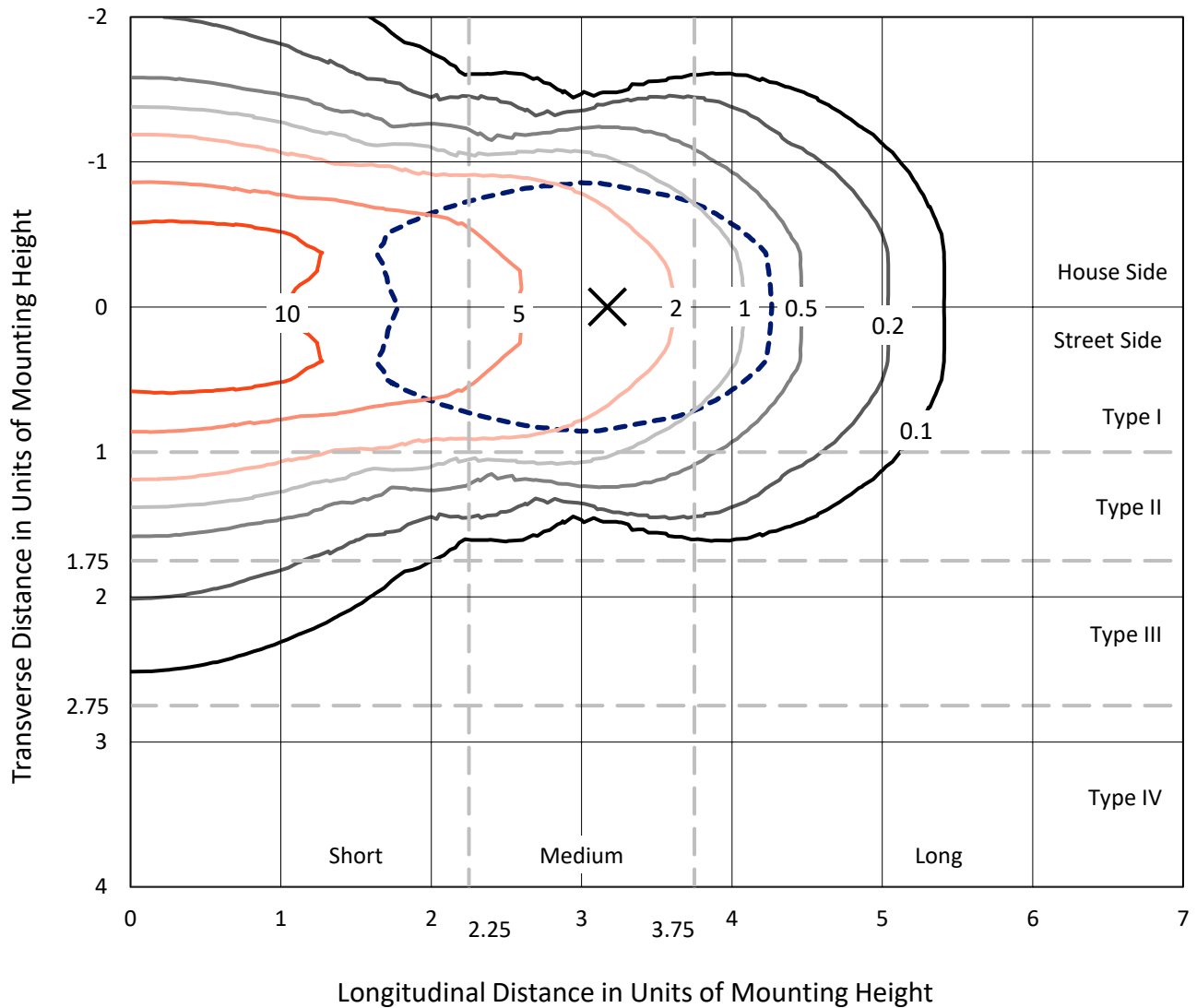
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

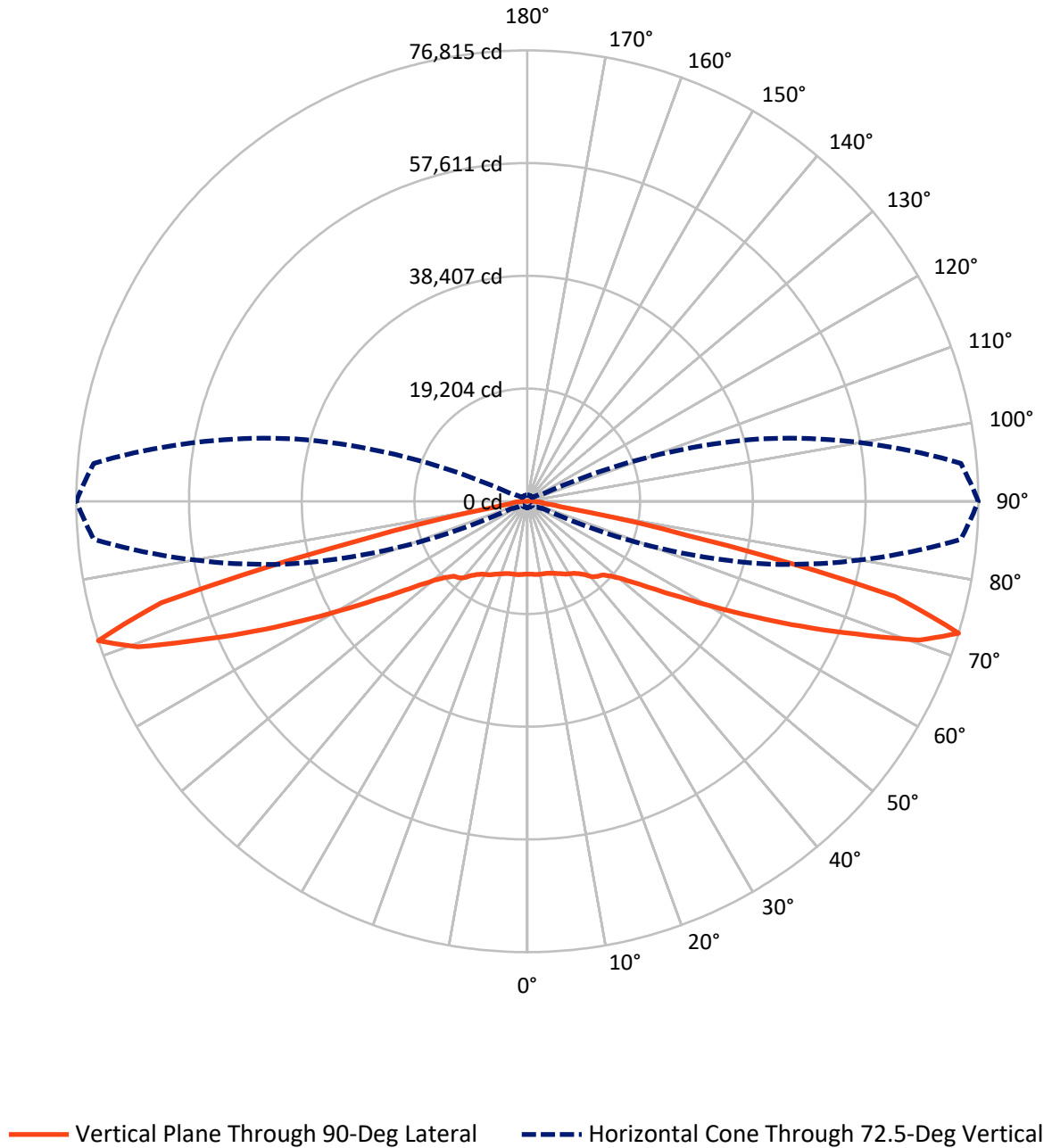
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33222.0	0.0	33222.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33222.0	0.0	33222.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66444.0	0.0	66444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1203.9	1.8
10°-20°	3680.9	5.5
20°-30°	6137.6	9.2
30°-40°	8441.1	12.7
40°-50°	10308.9	15.5
50°-60°	11923.3	17.9
60°-70°	14216.6	21.4
70°-80°	9922.3	14.9
80°-90°	609.4	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°	66444.0	100.0
0°-180°	66444.0	100.0

Coefficient of Utilization



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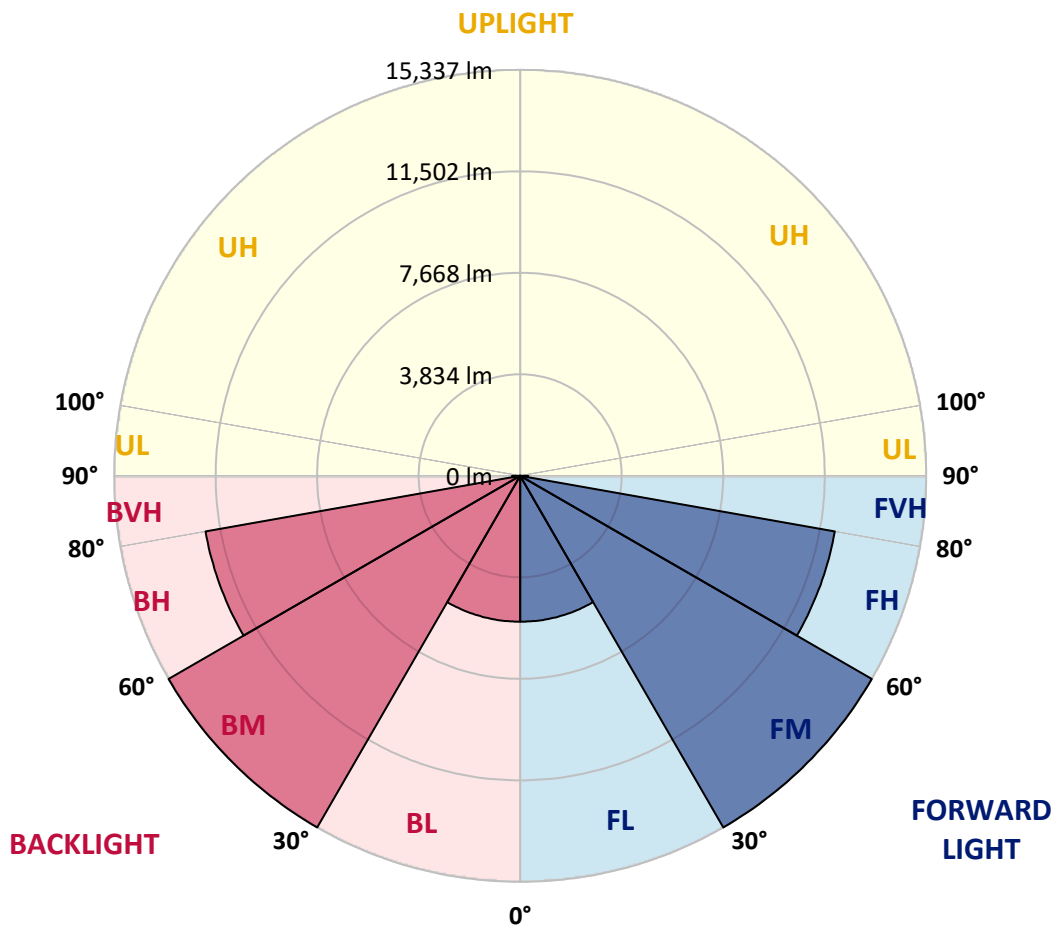
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5511.2	8.3			
FM (30°-60°)	15336.7	23.1			
FH (60°-80°)	12069.4	18.2			G5
FVH (80°-90°)	304.7	0.5			G3/500
BL (0°-30°)	5511.2	8.3	B5		
BM (30°-60°)	15336.7	23.1	B5		
BH (60°-80°)	12069.4	18.2	B5		G5
BVH (80°-90°)	304.7	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12415.8	12415.8	12415.8	12415.8	12415.8	12415.8	12415.8	12415.8	12415.8	12415.8
2.5°	12426.4	12440.5	12440.5	12429.9	12454.6	12433.4	12433.4	12422.8	12433.4	12422.8
5°	12489.9	12507.6	12514.6	12511.1	12542.9	12525.2	12525.2	12511.1	12514.6	12504.0
7.5°	12610.0	12634.7	12648.8	12666.5	12712.4	12691.2	12677.1	12634.7	12617.0	12588.8
10°	12648.8	12677.1	12723.0	12814.8	12920.7	12924.3	12881.9	12775.9	12694.7	12631.2
12.5°	12528.8	12567.6	12662.9	12850.1	13086.7	13182.0	13114.9	12938.4	12779.5	12666.5
15°	12376.9	12419.3	12564.1	12846.6	13196.2	13418.6	13411.6	13178.5	12924.3	12747.7
17.5°	12140.3	12182.7	12391.0	12786.5	13280.9	13648.2	13747.0	13506.9	13150.3	12913.7
20°	11713.1	11751.9	12041.5	12595.9	13309.2	13891.8	14149.6	13937.7	13492.8	13171.4
22.5°	11158.6	11218.7	11557.7	12267.5	13242.1	14146.1	14608.6	14463.9	13891.8	13446.9
25°	10565.4	10629.0	11024.5	11864.9	13069.0	14329.7	15152.5	15060.6	14343.8	13789.4
27.5°	10053.4	10120.5	10551.3	11465.9	12800.7	14400.3	15689.2	15735.1	14891.1	14167.2
30°	9650.8	9714.4	10173.4	11144.5	12454.6	14329.7	16158.9	16476.7	15449.1	14495.7
32.5°	9209.4	9290.6	9774.4	10752.6	12045.0	14160.2	16568.5	17278.3	16095.3	14848.8
35°	8651.5	8725.6	9234.1	10215.8	11508.2	13888.3	16911.0	18168.1	17020.5	15385.5
37.5°	7973.5	8044.1	8549.1	9544.9	10975.0	13506.9	17172.3	19171.0	18122.2	16158.9
40°	7292.0	7359.1	7832.2	8796.3	10335.9	13019.6	17264.1	20152.7	19386.4	17221.8
42.5°	6666.9	6727.0	7161.3	8058.2	9619.0	12398.1	17144.1	21007.2	20519.9	17963.3
45°	6091.4	6144.3	6529.2	7366.1	8874.0	11642.4	16783.9	21925.3	21868.8	18493.0
47.5°	5434.5	5487.5	5886.5	6695.2	8128.9	10756.1	16173.0	22829.3	23743.9	19693.6
50°	4633.0	4678.9	5088.5	5921.9	7355.5	9813.3	15325.5	23539.1	26109.8	21512.2
52.5°	3683.1	3732.5	4131.5	4964.9	6437.4	8799.8	14209.6	24001.7	28843.0	24167.7
55°	2740.2	2775.5	3121.6	3870.2	5300.4	7645.1	12811.3	24132.3	31943.4	27797.7
57.5°	1988.1	2009.3	2231.7	2789.7	4018.5	6200.8	11112.7	23793.3	35633.5	32451.9
60°	1610.2	1617.3	1684.4	1931.6	2793.2	4569.4	9061.1	22628.0	39637.9	38451.4
62.5°	1461.9	1461.9	1479.6	1546.7	1889.2	3015.7	6578.7	20212.7	43931.9	46033.0
65°	1359.5	1359.5	1366.6	1398.4	1490.2	1921.0	4152.7	16278.9	47551.4	54914.0
67.5°	1267.7	1271.2	1267.7	1278.3	1331.3	1419.5	2408.3	11243.4	49500.6	64116.3
70°	1172.4	1179.4	1161.8	1161.8	1204.1	1207.7	1507.8	6165.5	47883.3	71828.5
72.5°	1059.4	1070.0	1041.7	1034.6	1066.4	1052.3	1133.5	2959.2	41110.4	74130.9
75°	960.5	974.6	911.1	893.4	893.4	882.8	921.6	1518.4	26681.9	60472.1
77.5°	872.2	900.5	798.1	741.6	727.4	695.6	752.1	928.7	11670.7	28391.0
80°	720.4	759.2	656.8	589.7	565.0	529.7	593.2	649.7	3471.2	6592.8
82.5°	536.7	554.4	466.1	420.2	399.0	374.3	444.9	452.0	1130.0	2334.1
85°	342.5	349.6	286.0	247.2	236.6	226.0	282.5	247.2	430.8	1716.2
87.5°	120.1	137.7	109.5	98.9	105.9	88.3	130.7	74.2	120.1	1211.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12415.8
12422.8
12504.0
12588.8
12620.6
12648.8
12719.4
12874.8
13111.4
13365.7
13676.4
14047.2
14322.6
14629.8
15141.9
15834.0
16875.7
17518.4
17892.7
19001.5
20643.5
23097.7
26459.4
30767.5
36329.2
43190.3
51319.2
60235.5
70808.0
76814.6
64681.3
27801.3
6313.8
2637.8
2493.0
1500.8
0.0

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