

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: P944823

Luminaire Tested: **GALN-SB9D-950-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944823
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-950-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63786 lumens
Efficiency: N/A
Efficacy: 96.9 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

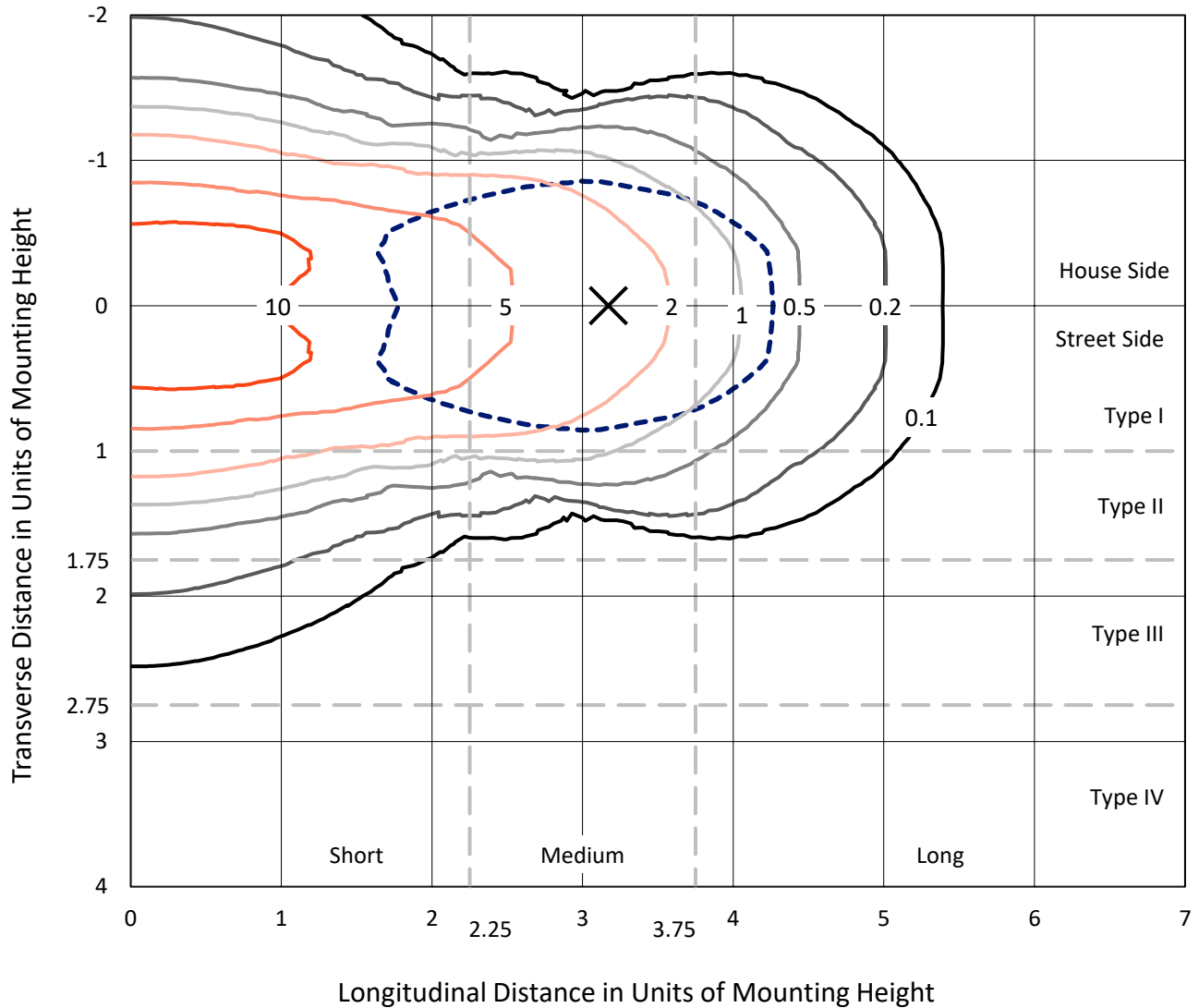
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

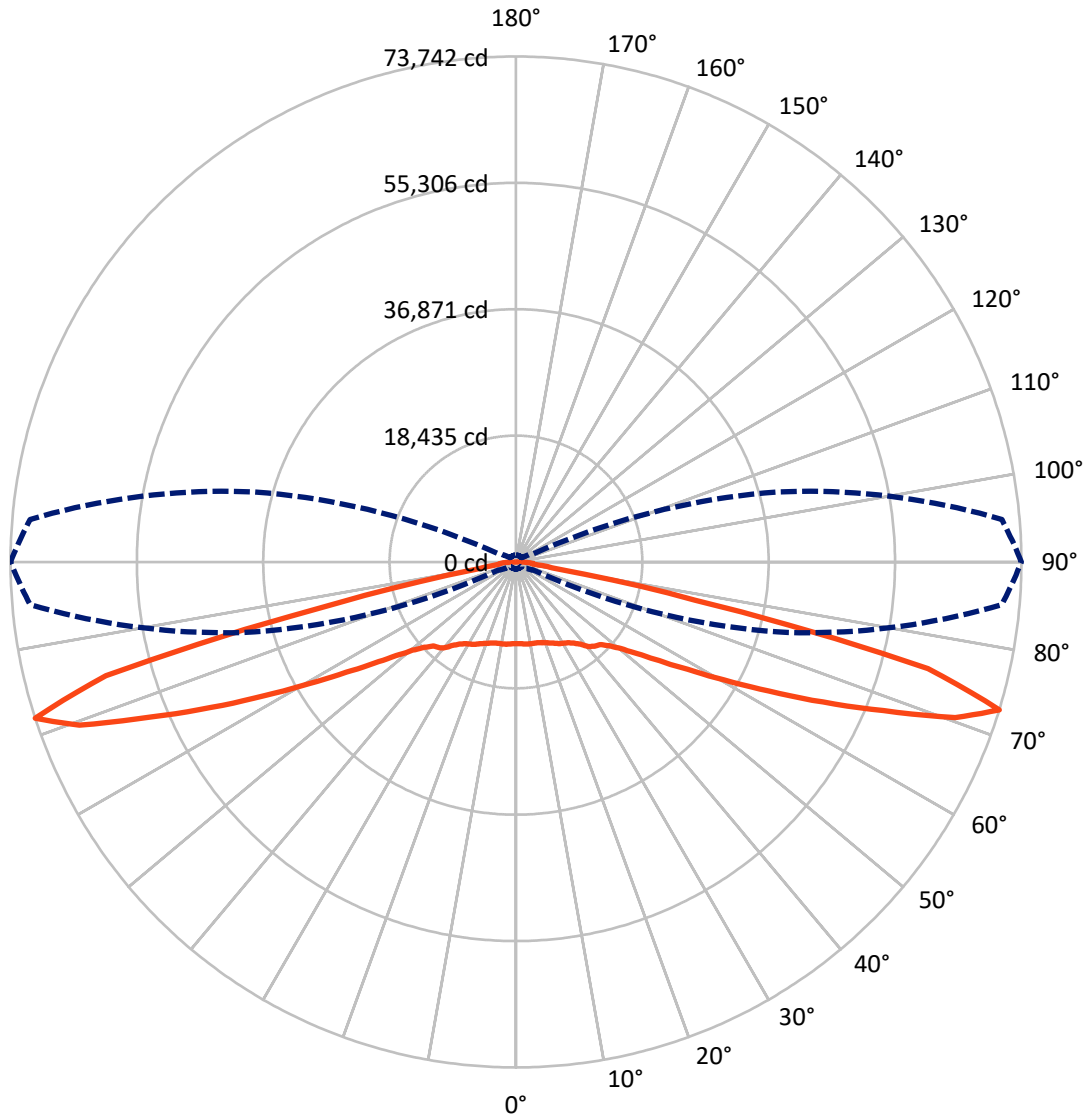
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31893.0	0.0	31893.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31893.0	0.0	31893.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	63786.0	0.0	63786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1155.7	1.8
10°-20°	3533.7	5.5
20°-30°	5892.1	9.2
30°-40°	8103.4	12.7
40°-50°	9896.5	15.5
50°-60°	11446.4	17.9
60°-70°	13647.9	21.4
70°-80°	9525.3	14.9
80°-90°	585.1	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°	63786.0	100.0
0°-180°	63786.0	100.0

Coefficient of Utilization



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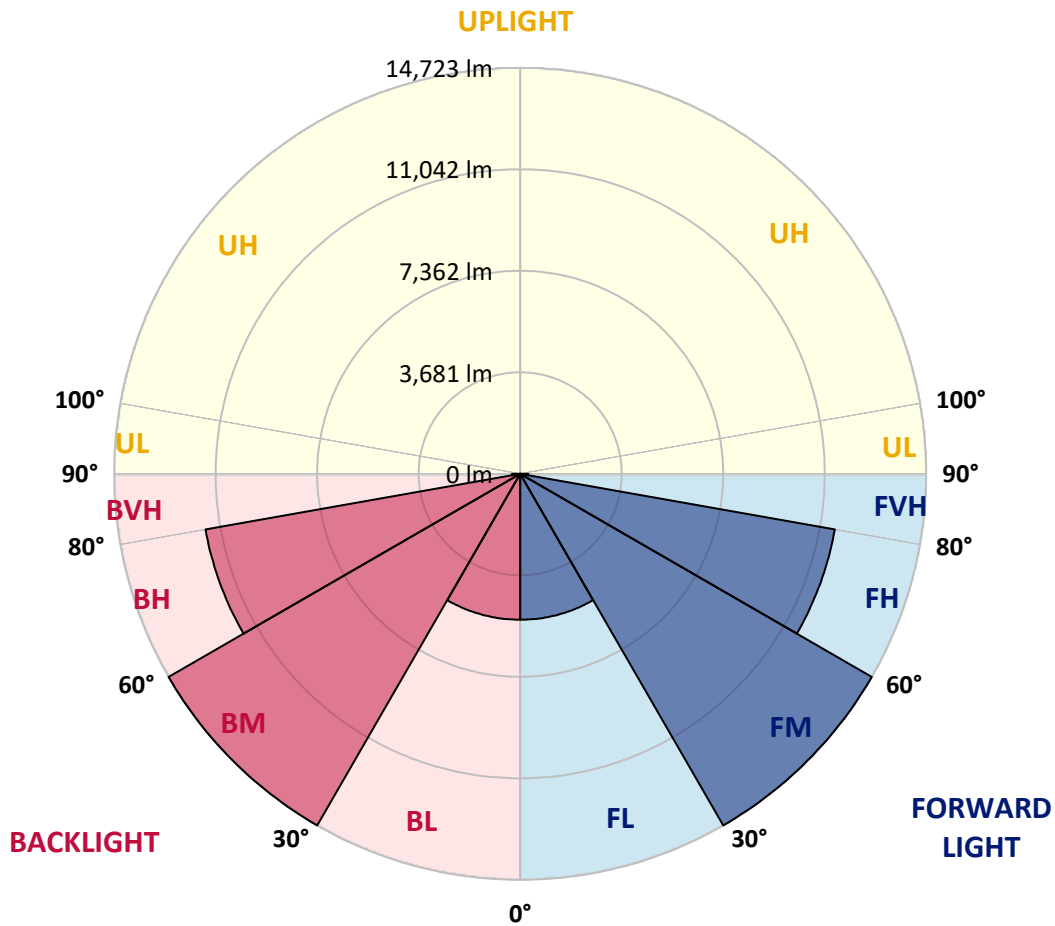
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5290.7	8.3			
FM (30°-60°)	14723.1	23.1			
FH (60°-80°)	11586.6	18.2			G4/12000
FVH (80°-90°)	292.5	0.5			G3/500
BL (0°-30°)	5290.7	8.3	B5		
BM (30°-60°)	14723.1	23.1	B5		
BH (60°-80°)	11586.6	18.2	B5		G5
BVH (80°-90°)	292.5	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°	11919.1	11919.1	11919.1	11919.1	11919.1	11919.1	11919.1	11919.1	11919.1	11919.1
2.5°	11929.3	11942.8	11942.8	11932.6	11956.4	11936.0	11936.0	11925.9	11936.0	11925.9
5°	11990.3	12007.2	12014.0	12010.6	12041.1	12024.2	12024.2	12010.6	12014.0	12003.8
7.5°	12105.5	12129.3	12142.8	12159.8	12203.8	12183.5	12169.9	12129.3	12112.3	12085.2
10°	12142.8	12169.9	12214.0	12302.2	12403.9	12407.2	12366.6	12264.9	12186.9	12125.9
12.5°	12027.6	12064.9	12156.4	12336.1	12563.2	12654.7	12590.3	12420.8	12268.3	12159.8
15°	11881.8	11922.5	12061.5	12332.7	12668.3	12881.8	12875.1	12651.3	12407.2	12237.7
17.5°	11654.7	11695.4	11895.4	12275.0	12749.6	13102.2	13197.1	12966.6	12624.2	12397.1
20°	11244.5	11281.8	11559.8	12092.0	12776.7	13336.1	13583.6	13380.2	12953.0	12644.5
22.5°	10712.3	10769.9	11095.3	11776.7	12712.3	13580.2	14024.3	13885.3	13336.1	12909.0
25°	10142.8	10203.8	10583.4	11390.3	12546.2	13756.4	14546.3	14458.2	13770.0	13237.8
27.5°	9651.2	9715.6	10129.2	11007.2	12288.6	13824.2	15061.6	15105.6	14295.4	13600.5
30°	9264.8	9325.8	9766.5	10698.7	11956.4	13756.4	15512.4	15817.5	14831.1	13915.8
32.5°	8841.0	8919.0	9383.4	10322.4	11563.1	13593.7	15905.7	16587.1	15451.4	14254.8
35°	8305.4	8376.6	8864.7	9807.1	11047.9	13332.7	16234.5	17441.3	16339.6	14770.0
37.5°	7654.5	7722.3	8207.1	9163.1	10536.0	12966.6	16485.4	18404.1	17397.3	15512.4
40°	7000.3	7064.7	7518.9	8444.4	9922.4	12498.8	16573.5	19346.5	18610.9	16532.8
42.5°	6400.2	6457.9	6874.8	7735.9	9234.2	11902.1	16458.2	20166.9	19699.0	17244.7
45°	5847.7	5898.5	6268.0	7071.4	8519.0	11176.7	16112.5	21048.2	20994.0	17753.2
47.5°	5217.1	5268.0	5651.1	6427.4	7803.7	10325.8	15526.0	21916.1	22794.1	18905.8
50°	4447.6	4491.7	4884.9	5685.0	7061.3	9420.7	14712.4	22597.5	25065.3	20651.6
52.5°	3535.7	3583.2	3966.2	4766.3	6179.9	8447.8	13641.2	23041.5	27689.2	23200.9
55°	2630.6	2664.5	2996.7	3715.4	5088.3	7339.3	12298.8	23167.0	30665.5	26685.7
57.5°	1908.5	1928.9	2142.5	2678.1	3857.8	5952.8	10668.2	22841.5	34208.1	31153.7
60°	1545.8	1552.6	1617.0	1854.3	2681.5	4386.6	8698.6	21722.8	38052.3	36913.2
62.5°	1403.4	1403.4	1420.4	1484.8	1813.6	2895.0	6315.5	19404.1	42174.5	44191.5
65°	1305.1	1305.1	1311.9	1342.4	1430.6	1844.1	3986.6	15627.7	45649.2	52717.2
67.5°	1217.0	1220.4	1217.0	1227.2	1278.0	1362.8	2312.0	10793.6	47520.4	61551.4
70°	1125.5	1132.2	1115.3	1115.3	1156.0	1159.4	1447.5	5918.9	45967.8	68955.1
72.5°	1017.0	1027.2	1000.0	993.3	1023.8	1010.2	1088.2	2840.8	39465.9	71165.4
75°	922.1	935.6	874.6	857.7	857.7	847.5	884.8	1457.7	25614.5	58053.0
77.5°	837.3	864.4	766.1	711.9	698.3	667.8	722.1	891.6	11203.8	27255.3
80°	691.6	728.8	630.5	566.1	542.4	508.5	569.5	623.8	3332.3	6329.0
82.5°	515.3	532.2	447.5	403.4	383.1	359.3	427.1	433.9	1084.8	2240.8
85°	328.8	335.6	274.6	237.3	227.1	217.0	271.2	237.3	413.6	1647.5
87.5°	115.3	132.2	105.1	94.9	101.7	84.7	125.4	71.2	115.3	1162.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11919.1
11925.9
12003.8
12085.2
12115.7
12142.8
12210.6
12359.8
12586.9
12831.0
13129.3
13485.2
13749.7
14044.6
14536.1
15200.6
16200.6
16817.6
17176.9
18241.4
19817.7
22173.7
25400.9
29536.7
34875.9
41462.6
49266.2
57825.9
67975.4
73741.7
62093.8
26689.1
6061.2
2532.3
2393.3
1440.7
0.0

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