

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: P940533

Luminaire Tested: **GALN-SB3C-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940533
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-SB3C-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13531 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

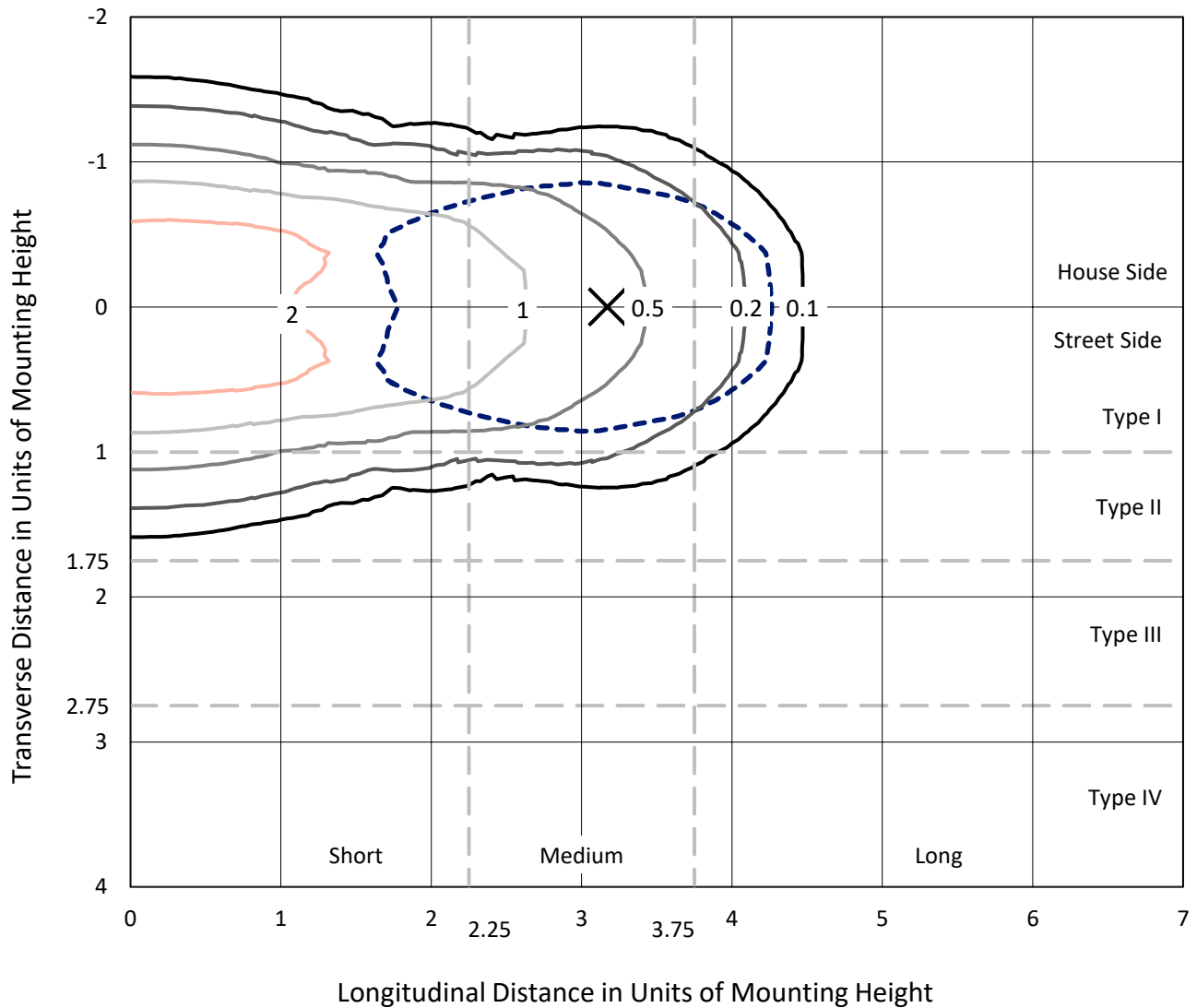
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

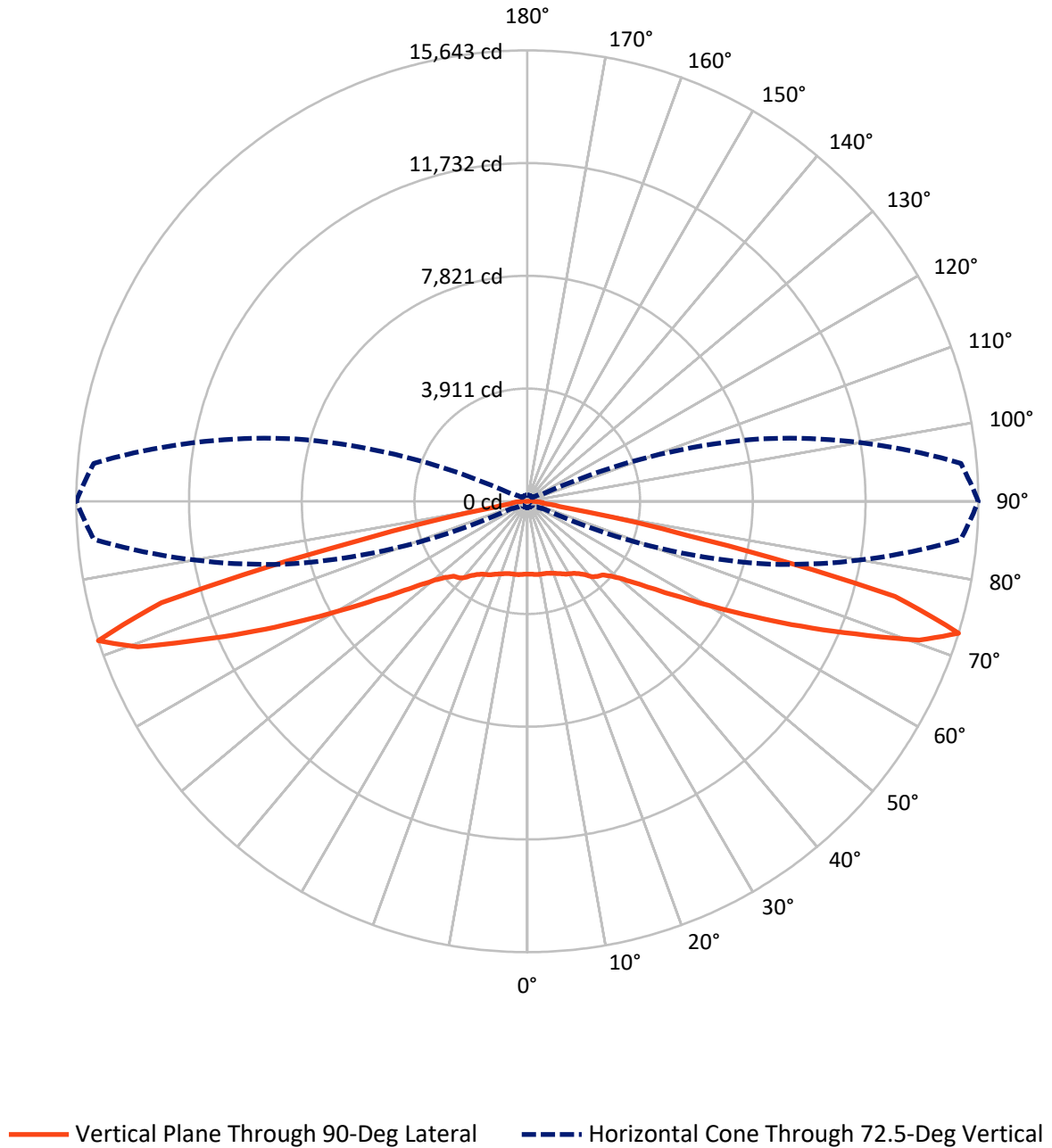
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	6765.5	0.0	6765.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6765.5	0.0	6765.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13531.0	0.0	13531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.2	1.8
10°-20°	749.6	5.5
20°-30°	1249.9	9.2
30°-40°	1719.0	12.7
40°-50°	2099.4	15.5
50°-60°	2428.1	17.9
60°-70°	2895.1	21.4
70°-80°	2020.6	14.9
80°-90°	124.1	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°	13531.0	100.0
0°-180°	13531.0	100.0

Coefficient of Utilization



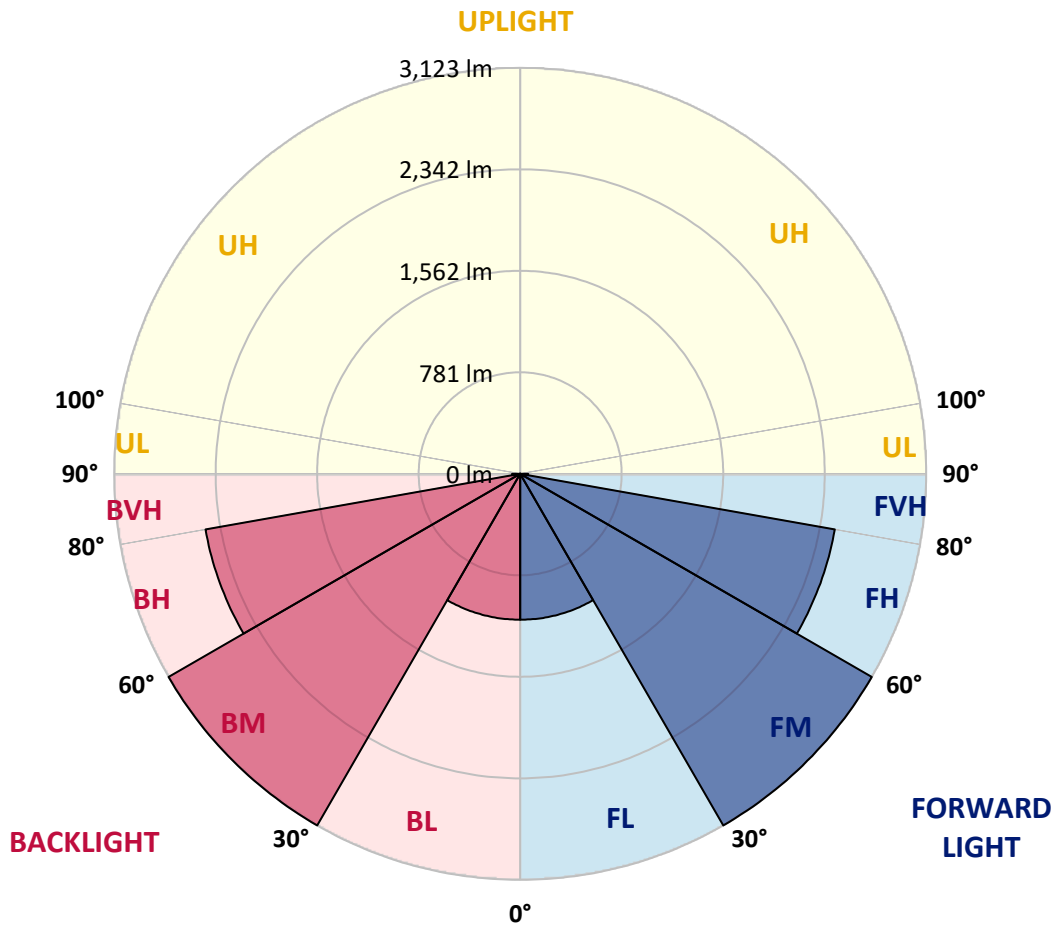
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1122.3	8.3			
FM (30°-60°)	3123.2	23.1			
FH (60°-80°)	2457.9	18.2			G2/5000
FVH (80°-90°)	62.1	0.5			G1/100
BL (0°-30°)	1122.3	8.3	B3/2500		
BM (30°-60°)	3123.2	23.1	B3/5000		
BH (60°-80°)	2457.9	18.2	B3/2500		G3/2500
BVH (80°-90°)	62.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4
2.5°	2530.6	2533.4	2533.4	2531.3	2536.3	2532.0	2532.0	2529.8	2532.0	2529.8
5°	2543.5	2547.1	2548.5	2547.8	2554.3	2550.7	2550.7	2547.8	2548.5	2546.4
7.5°	2568.0	2573.0	2575.9	2579.5	2588.8	2584.5	2581.6	2573.0	2569.4	2563.6
10°	2575.9	2581.6	2591.0	2609.7	2631.2	2632.0	2623.3	2601.8	2585.2	2572.3
12.5°	2551.4	2559.3	2578.7	2616.9	2665.0	2684.5	2670.8	2634.8	2602.5	2579.5
15°	2520.5	2529.1	2558.6	2616.1	2687.3	2732.6	2731.2	2683.7	2632.0	2596.0
17.5°	2472.3	2480.9	2523.4	2603.9	2704.6	2779.4	2799.5	2750.6	2678.0	2629.8
20°	2385.3	2393.2	2452.2	2565.1	2710.3	2829.0	2881.5	2838.3	2747.7	2682.3
22.5°	2272.4	2284.6	2353.7	2498.2	2696.7	2880.8	2975.0	2945.5	2829.0	2738.4
25°	2151.6	2164.5	2245.1	2416.2	2661.4	2918.2	3085.7	3067.0	2921.0	2808.1
27.5°	2047.3	2061.0	2148.7	2335.0	2606.8	2932.6	3195.0	3204.4	3032.5	2885.1
30°	1965.3	1978.3	2071.8	2269.5	2536.3	2918.2	3290.7	3355.4	3146.1	2952.0
32.5°	1875.5	1892.0	1990.5	2189.7	2452.9	2883.7	3374.1	3518.6	3277.7	3023.9
35°	1761.8	1776.9	1880.5	2080.4	2343.6	2828.3	3443.8	3699.8	3466.1	3133.2
37.5°	1623.8	1638.1	1741.0	1943.8	2235.0	2750.6	3497.1	3904.1	3690.5	3290.7
40°	1485.0	1498.6	1595.0	1791.3	2104.9	2651.4	3515.8	4104.0	3947.9	3507.1
42.5°	1357.7	1369.9	1458.4	1641.0	1958.9	2524.8	3491.3	4278.0	4178.8	3658.1
45°	1240.5	1251.3	1329.6	1500.1	1807.1	2370.9	3418.0	4465.0	4453.5	3766.0
47.5°	1106.7	1117.5	1198.8	1363.4	1655.4	2190.4	3293.5	4649.1	4835.3	4010.5
50°	943.5	952.8	1036.2	1206.0	1497.9	1998.4	3121.0	4793.6	5317.1	4380.9
52.5°	750.0	760.1	841.4	1011.1	1310.9	1792.0	2893.7	4887.8	5873.7	4921.6
55°	558.0	565.2	635.7	788.2	1079.4	1556.9	2609.0	4914.4	6505.1	5660.9
57.5°	404.9	409.2	454.5	568.1	818.4	1262.8	2263.1	4845.4	7256.6	6608.7
60°	327.9	329.4	343.0	393.4	568.8	930.5	1845.3	4608.1	8072.1	7830.4
62.5°	297.7	297.7	301.3	315.0	384.7	614.1	1339.7	4116.2	8946.5	9374.4
65°	276.9	276.9	278.3	284.8	303.5	391.2	845.7	3315.1	9683.6	11183.0
67.5°	258.2	258.9	258.2	260.3	271.1	289.1	490.4	2289.7	10080.6	13057.0
70°	238.7	240.2	236.6	236.6	245.2	245.9	307.1	1255.6	9751.2	14627.5
72.5°	215.7	217.9	212.1	210.7	217.2	214.3	230.8	602.6	8371.9	15096.4
75°	195.6	198.5	185.5	181.9	181.9	179.8	187.7	309.2	5433.6	12314.9
77.5°	177.6	183.4	162.5	151.0	148.1	141.7	153.2	189.1	2376.7	5781.7
80°	146.7	154.6	133.8	120.1	115.1	107.9	120.8	132.3	706.9	1342.6
82.5°	109.3	112.9	94.9	85.6	81.3	76.2	90.6	92.0	230.1	475.3
85°	69.8	71.2	58.2	50.3	48.2	46.0	57.5	50.3	87.7	349.5
87.5°	24.4	28.0	22.3	20.1	21.6	18.0	26.6	15.1	24.4	246.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2528.4
2529.8
2546.4
2563.6
2570.1
2575.9
2590.3
2621.9
2670.1
2721.9
2785.1
2860.6
2916.7
2979.3
3083.6
3224.5
3436.7
3567.5
3643.8
3869.6
4203.9
4703.7
5388.3
6265.7
7398.3
8795.5
10450.9
12266.7
14419.7
15642.9
13172.0
5661.6
1285.8
537.2
507.7
305.6
0.0

OF REPORT)