

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: P939733

Luminaire Tested: **GALN-SB2C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939733
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-SB2C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

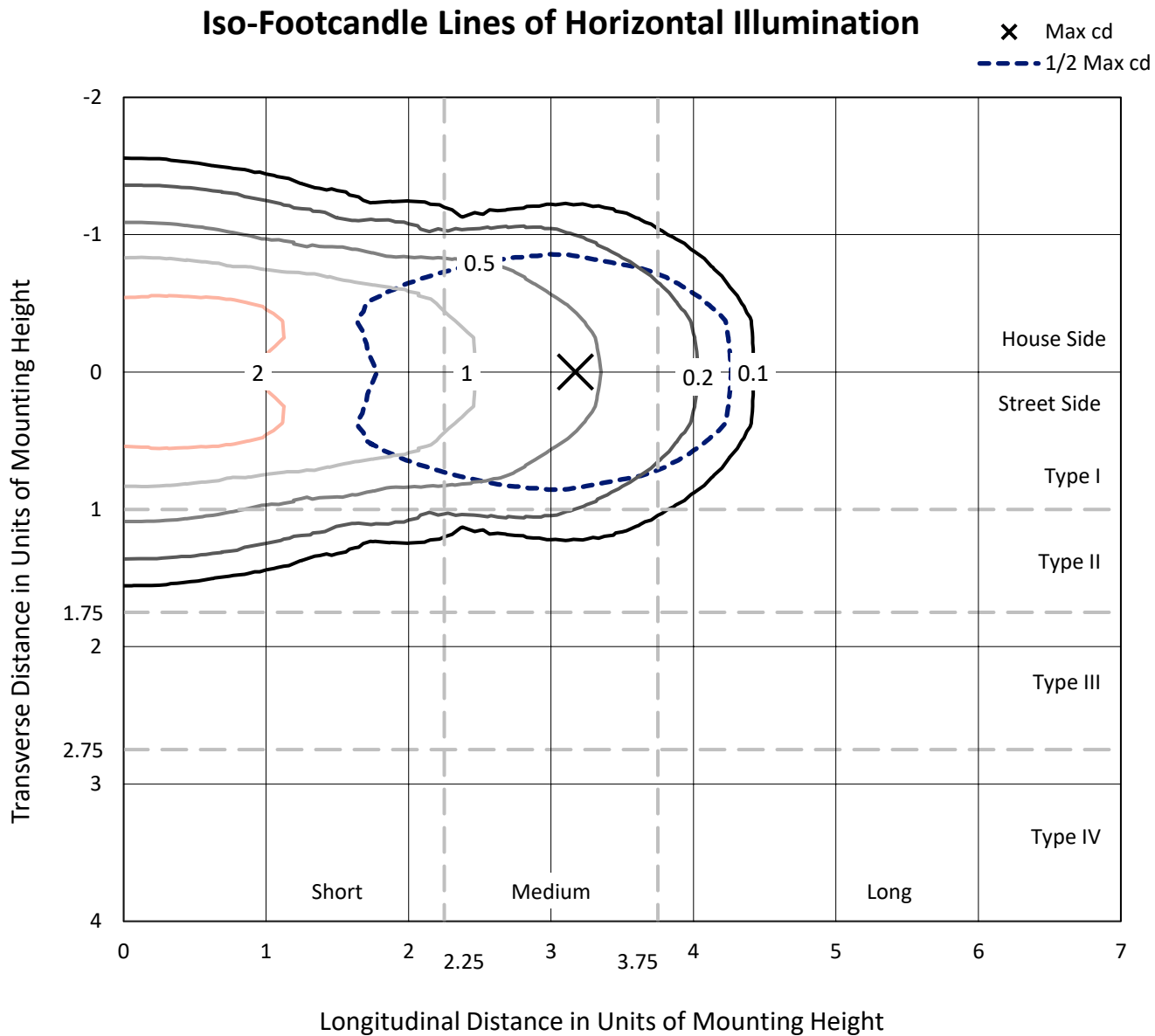
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12239 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 100.9
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



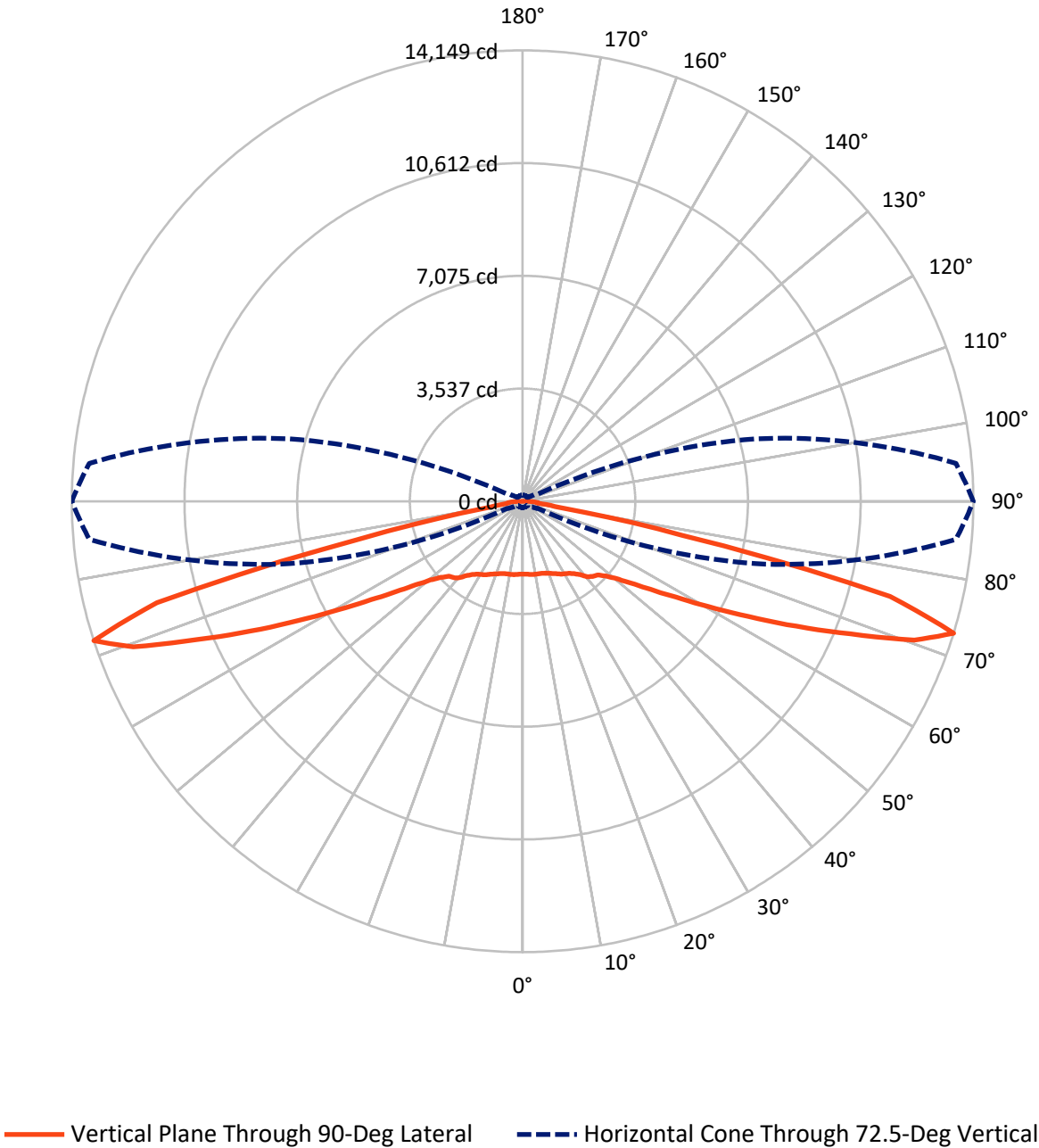
REPORT NUMBER: P939733
CATALOG NUMBER: GALN-SB2C-722-U-T1



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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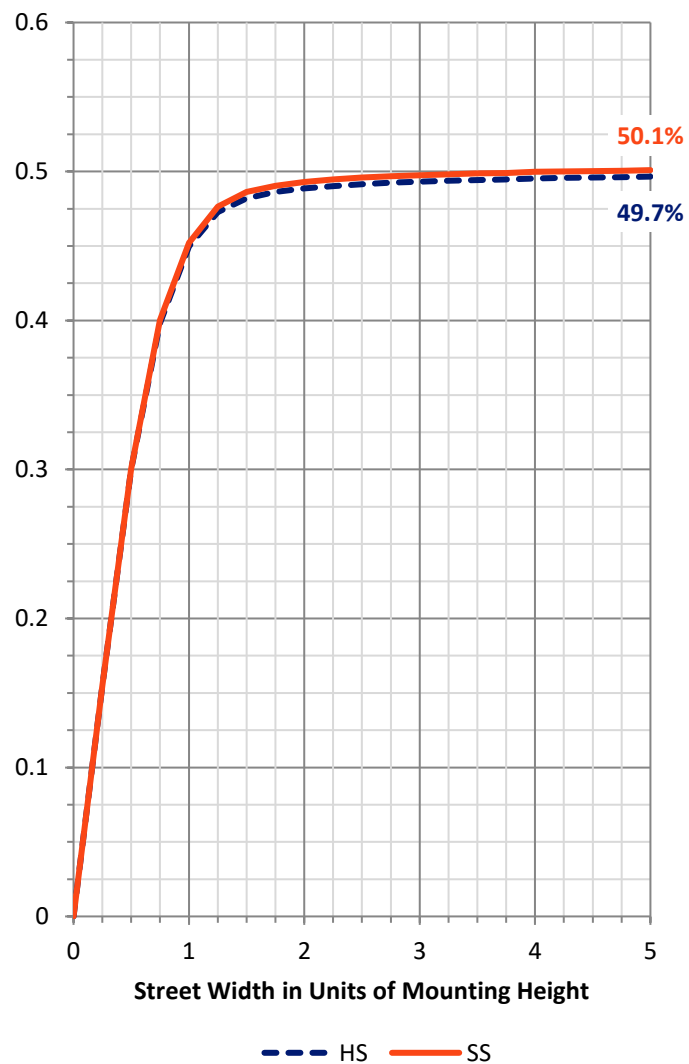
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6119.5	0.0	6119.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6119.5	0.0	6119.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12239.0	0.0	12239.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	1.8
10°-20°	678.0	5.5
20°-30°	1130.5	9.2
30°-40°	1554.9	12.7
40°-50°	1898.9	15.5
50°-60°	2196.3	17.9
60°-70°	2618.7	21.4
70°-80°	1827.7	14.9
80°-90°	112.3	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°	12239.0	100.0
0°-180°	12239.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939733

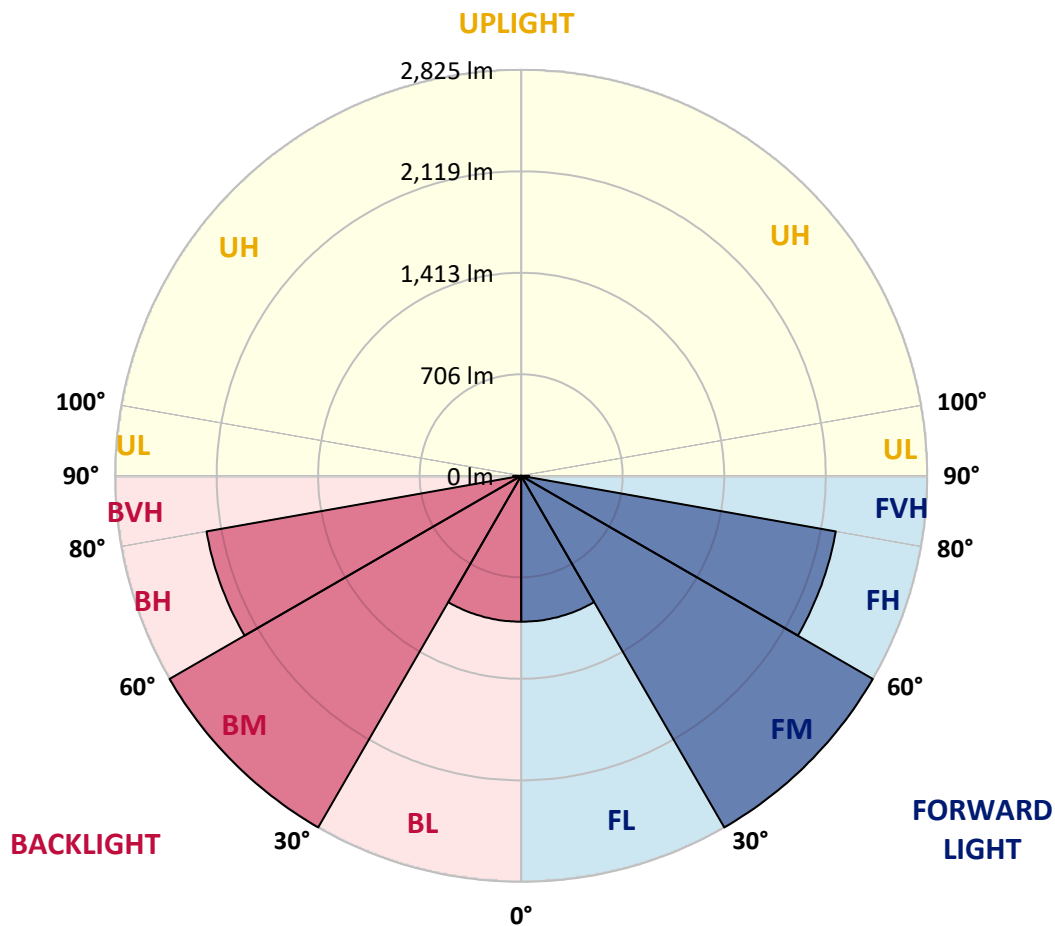
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1015.2	8.3			
FM	(30°-60°)	2825.0	23.1			
FH	(60°-80°)	2223.2	18.2			G2/5000
FVH	(80°-90°)	56.1	0.5			G1/100
BL	(0°-30°)	1015.2	8.3	B3/2500		
BM	(30°-60°)	2825.0	23.1	B3/5000		
BH	(60°-80°)	2223.2	18.2	B3/2500		G3/2500
BVH	(80°-90°)	56.1	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°	90°
0°	2287.0	2287.0	2287.0	2287.0	2287.0	2287.0	2287.0	2287.0	2287.0	2287.0	2287.0
2.5°	2288.9	2291.5	2291.5	2289.6	2294.1	2290.2	2290.2	2288.3	2290.2	2288.3	2288.3
5°	2300.6	2303.9	2305.2	2304.5	2310.4	2307.2	2307.2	2304.5	2305.2	2303.2	2303.2
7.5°	2322.8	2327.3	2329.9	2333.2	2341.6	2337.7	2335.1	2327.3	2324.1	2318.9	2318.9
10°	2329.9	2335.1	2343.6	2360.5	2380.0	2380.7	2372.8	2353.3	2338.4	2326.7	2324.7
12.5°	2307.8	2315.0	2332.5	2367.0	2410.6	2428.1	2415.8	2383.3	2354.0	2333.2	2329.9
15°	2279.8	2287.6	2314.3	2366.3	2430.7	2471.7	2470.4	2427.5	2380.7	2348.1	2342.9
17.5°	2236.3	2244.1	2282.4	2355.3	2446.3	2514.0	2532.2	2488.0	2422.3	2378.7	2371.5
20°	2157.5	2164.7	2218.0	2320.2	2451.6	2558.9	2606.4	2567.3	2485.4	2426.2	2415.1
22.5°	2055.4	2066.5	2128.9	2259.7	2439.2	2605.7	2690.9	2664.2	2558.9	2476.9	2462.0
25°	1946.1	1957.9	2030.7	2185.5	2407.3	2639.5	2791.1	2774.2	2642.1	2540.0	2519.2
27.5°	1851.8	1864.2	1943.5	2112.0	2357.9	2652.5	2890.0	2898.4	2743.0	2609.6	2587.5
30°	1777.7	1789.4	1873.9	2052.8	2294.1	2639.5	2976.5	3035.0	2845.7	2670.1	2638.2
32.5°	1696.4	1711.3	1800.4	1980.6	2218.7	2608.3	3051.9	3182.7	2964.8	2735.1	2694.8
35°	1593.6	1607.3	1700.9	1881.8	2119.8	2558.2	3115.0	3346.6	3135.2	2834.0	2789.1
37.5°	1468.7	1481.7	1574.7	1758.2	2021.6	2488.0	3163.1	3531.3	3338.1	2976.5	2916.6
40°	1343.2	1355.5	1442.7	1620.3	1903.9	2398.2	3180.1	3712.1	3571.0	3172.3	3108.5
42.5°	1228.1	1239.1	1319.1	1484.3	1771.8	2283.7	3157.9	3869.5	3779.8	3308.8	3226.9
45°	1122.0	1131.8	1202.7	1356.8	1634.6	2144.5	3091.6	4038.7	4028.2	3406.4	3295.8
47.5°	1001.0	1010.8	1084.3	1233.3	1497.3	1981.3	2979.1	4205.2	4373.6	3627.6	3500.1
50°	853.4	861.8	937.3	1090.8	1354.9	1807.6	2823.0	4335.9	4809.4	3962.5	3802.5
52.5°	678.4	687.5	761.0	914.5	1185.8	1620.9	2617.4	4421.1	5312.9	4451.7	4254.6
55°	504.8	511.3	575.0	712.9	976.3	1408.2	2359.8	4445.2	5884.0	5120.4	4873.8
57.5°	366.2	370.1	411.1	513.9	740.2	1142.2	2047.0	4382.7	6563.7	5977.6	5667.4
60°	296.6	297.9	310.3	355.8	514.5	841.7	1669.1	4168.1	7301.3	7082.8	6691.8
62.5°	269.3	269.3	272.5	284.9	348.0	555.5	1211.8	3723.2	8092.3	8479.3	7955.7
65°	250.4	250.4	251.7	257.6	274.5	353.8	764.9	2998.6	8759.0	10115.2	9453.0
67.5°	233.5	234.2	233.5	235.5	245.2	261.5	443.6	2071.0	9118.0	11810.2	11095.4
70°	215.9	217.3	214.0	214.0	221.8	222.5	277.7	1135.7	8820.1	13230.8	13042.8
72.5°	195.1	197.1	191.9	190.6	196.4	193.8	208.8	545.1	7572.6	13654.9	14149.3
75°	176.9	179.5	167.8	164.6	164.6	162.6	169.8	279.7	4914.8	11139.0	11914.3
77.5°	160.7	165.9	147.0	136.6	134.0	128.1	138.5	171.1	2149.7	5229.6	5121.0
80°	132.7	139.8	121.0	108.6	104.1	97.6	109.3	119.7	639.4	1214.4	1163.0
82.5°	98.9	102.1	85.9	77.4	73.5	68.9	82.0	83.3	208.1	429.9	485.9
85°	63.1	64.4	52.7	45.5	43.6	41.6	52.0	45.5	79.4	316.1	459.2
87.5°	22.1	25.4	20.2	18.2	19.5	16.3	24.1	13.7	22.1	223.1	276.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)