

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: P940073

Luminaire Tested: **GALN-SB3A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940073
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-SB3A-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10999 lumens
Efficiency: N/A
Efficacy: 129.9 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): 84.7
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



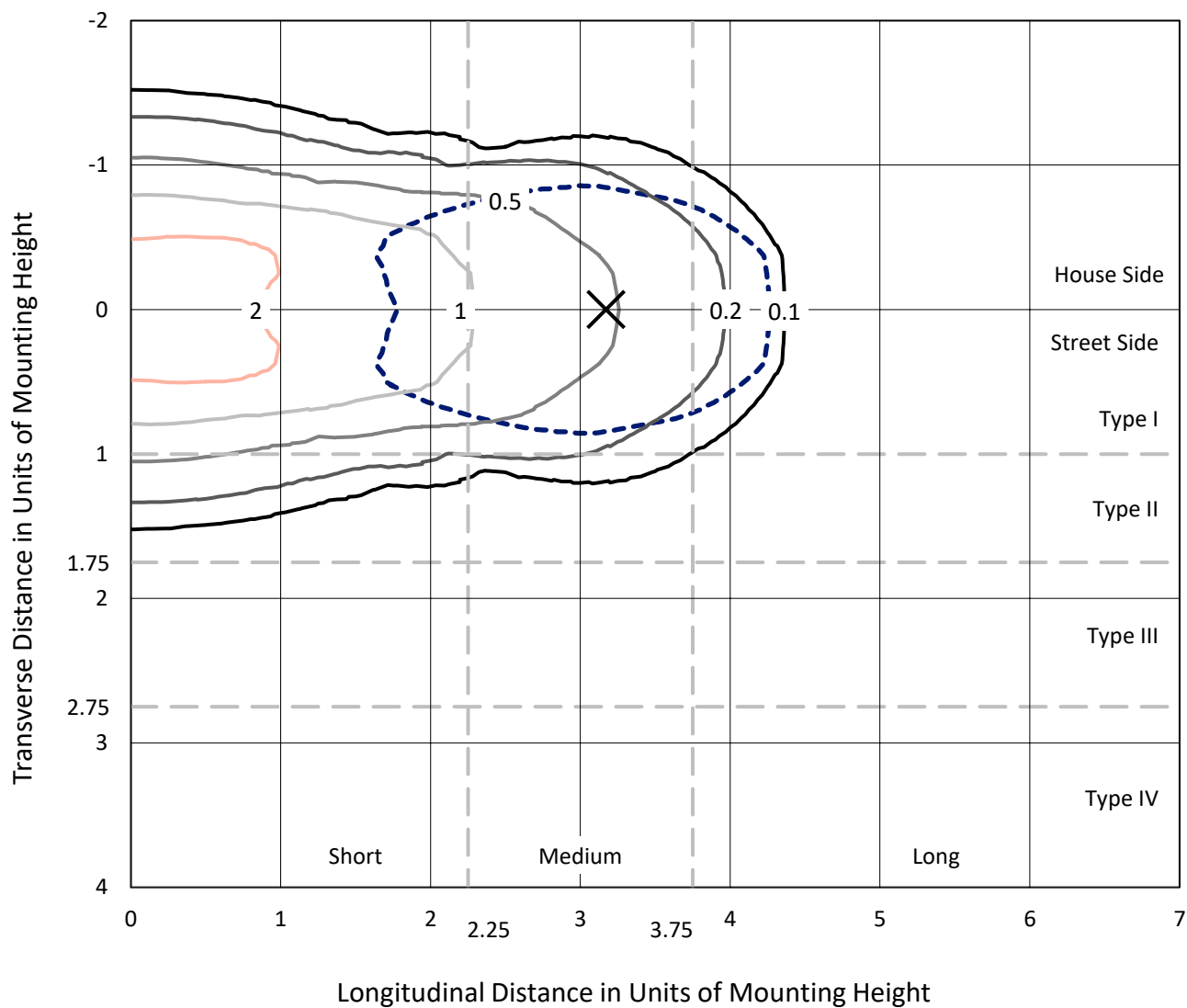
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Iso-Footcandle Lines of Horizontal Illumination

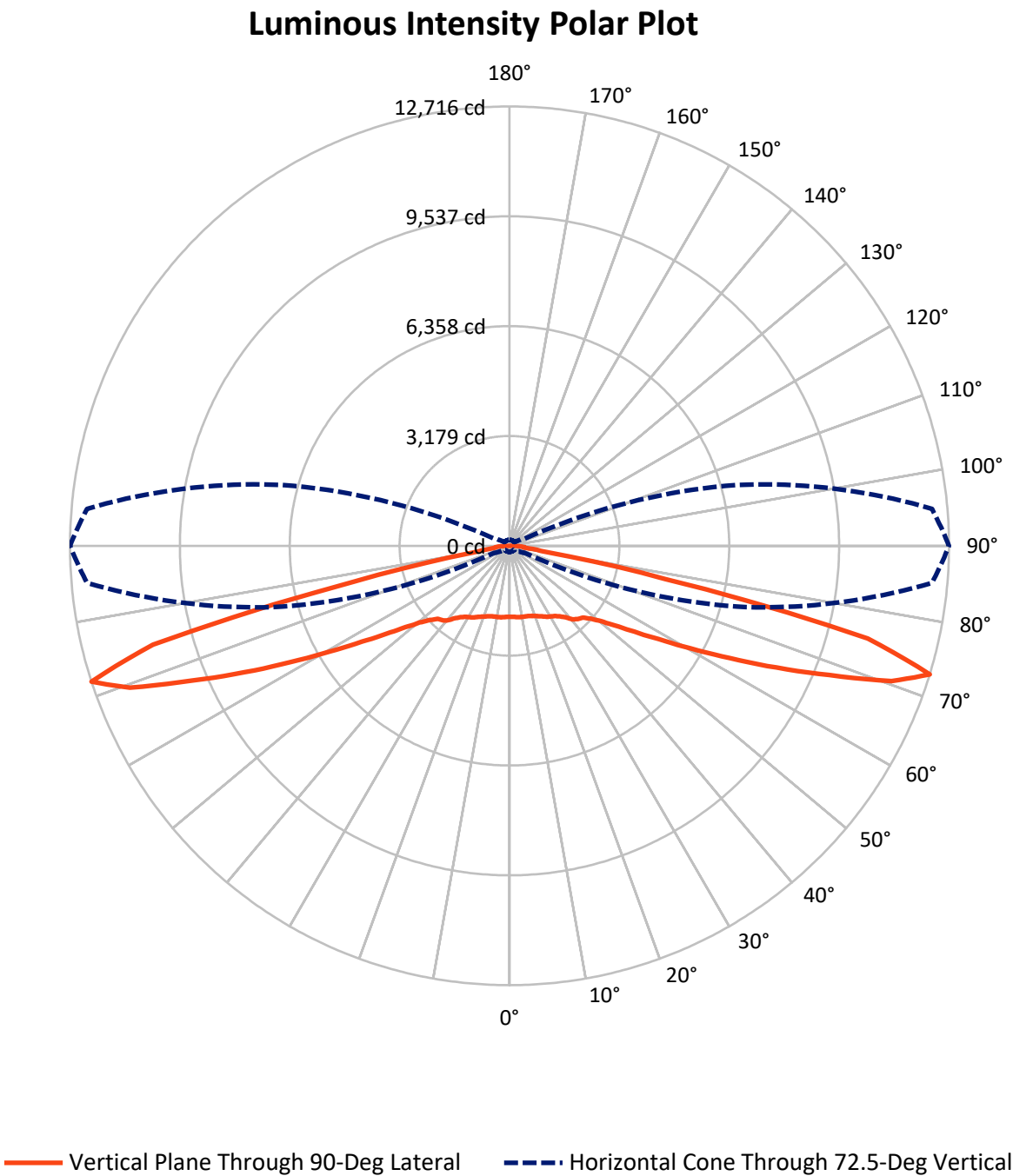
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5499.5	0.0	5499.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5499.5	0.0	5499.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10999.0	0.0	10999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.3	1.8
10°-20°	609.3	5.5
20°-30°	1016.0	9.2
30°-40°	1397.3	12.7
40°-50°	1706.5	15.5
50°-60°	1973.8	17.9
60°-70°	2353.4	21.4
70°-80°	1642.5	14.9
80°-90°	100.9	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°	10999.0	100.0
0°-180°	10999.0	100.0

Coefficient of Utilization



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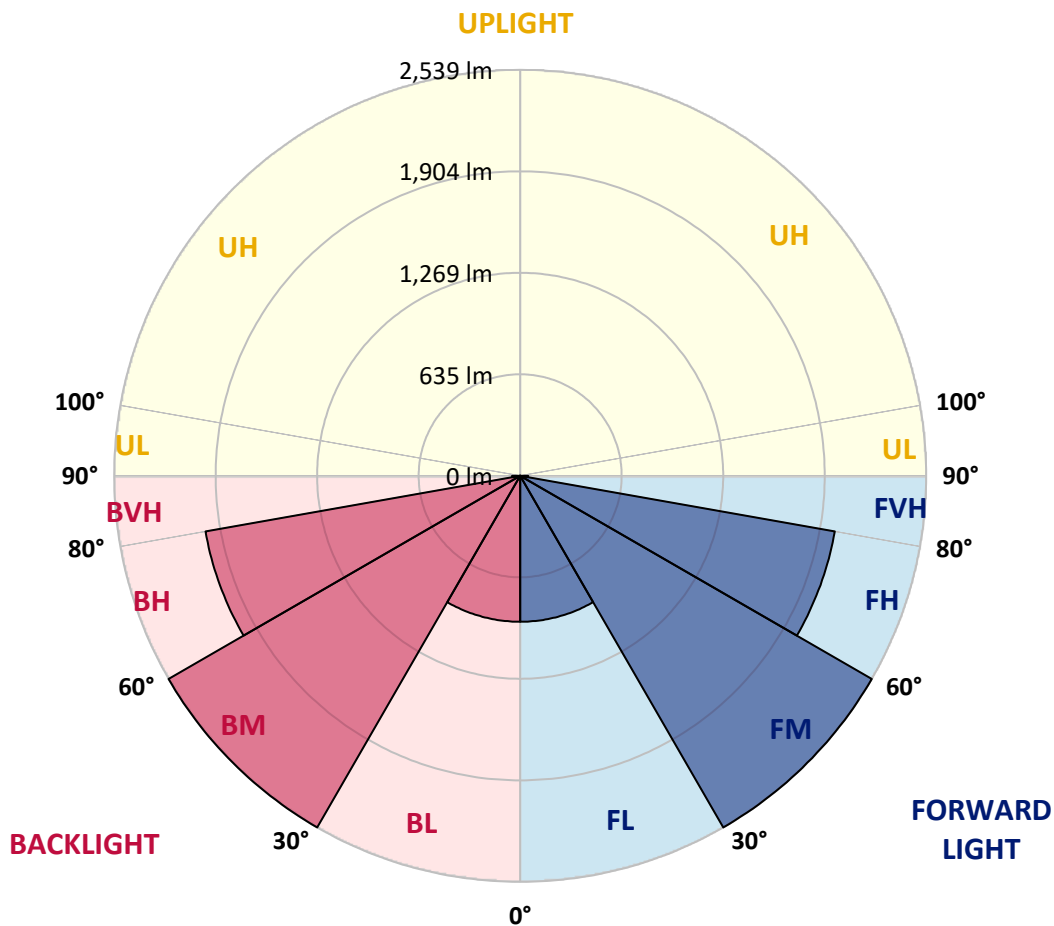
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	912.3	8.3			
FM	(30°-60°)	2538.8	23.1			
FH	(60°-80°)	1997.9	18.2			G2/5000
FVH	(80°-90°)	50.4	0.5			G1/100
BL	(0°-30°)	912.3	8.3	B2/1000		
BM	(30°-60°)	2538.8	23.1	B3/5000		
BH	(60°-80°)	1997.9	18.2	B3/2500		G3/2500
BVH	(80°-90°)	50.4	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°	2055.3	2055.3	2055.3	2055.3	2055.3	2055.3	2055.3	2055.3	2055.3	2055.3	2055.3
2.5°	2057.0	2059.4	2059.4	2057.6	2061.7	2058.2	2058.2	2056.4	2058.2	2056.4	2056.4
5°	2067.6	2070.5	2071.6	2071.1	2076.3	2073.4	2073.4	2071.1	2071.6	2069.9	2069.9
7.5°	2087.4	2091.5	2093.9	2096.8	2104.4	2100.9	2098.5	2091.5	2088.6	2083.9	2083.9
10°	2093.9	2098.5	2106.1	2121.3	2138.9	2139.5	2132.4	2114.9	2101.5	2090.9	2089.2
12.5°	2074.0	2080.4	2096.2	2127.2	2166.3	2182.1	2171.0	2141.8	2115.5	2096.8	2093.9
15°	2048.8	2055.9	2079.8	2126.6	2184.5	2221.3	2220.1	2181.5	2139.5	2110.2	2105.6
17.5°	2009.7	2016.7	2051.2	2116.7	2198.5	2259.3	2275.7	2235.9	2176.9	2137.7	2131.3
20°	1939.0	1945.4	1993.3	2085.1	2203.2	2299.6	2342.3	2307.2	2233.6	2180.4	2170.4
22.5°	1847.2	1857.1	1913.2	2030.7	2192.1	2341.7	2418.3	2394.3	2299.6	2226.0	2212.5
25°	1749.0	1759.5	1825.0	1964.1	2163.4	2372.1	2508.3	2493.1	2374.4	2282.7	2264.0
27.5°	1664.2	1675.3	1746.6	1898.0	2119.0	2383.8	2597.2	2604.8	2465.0	2345.2	2325.3
30°	1597.6	1608.1	1684.1	1844.8	2061.7	2372.1	2674.9	2727.5	2557.4	2399.6	2370.9
32.5°	1524.5	1538.0	1618.0	1780.0	1993.9	2344.0	2742.7	2860.2	2664.4	2458.0	2421.8
35°	1432.1	1444.4	1528.6	1691.1	1905.0	2299.0	2799.4	3007.5	2817.5	2546.9	2506.6
37.5°	1319.9	1331.6	1415.2	1580.0	1816.8	2235.9	2842.7	3173.5	2999.9	2674.9	2621.1
40°	1207.1	1218.2	1296.5	1456.1	1711.0	2155.2	2857.9	3336.0	3209.2	2850.9	2793.6
42.5°	1103.6	1113.6	1185.5	1333.9	1592.3	2052.4	2838.0	3477.5	3396.8	2973.6	2900.0
45°	1008.3	1017.1	1080.8	1219.4	1469.0	1927.3	2778.4	3629.5	3620.1	3061.3	2961.9
47.5°	899.6	908.4	974.4	1108.3	1345.6	1780.5	2677.2	3779.1	3930.5	3260.0	3145.5
50°	766.9	774.5	842.3	980.3	1217.6	1624.5	2536.9	3896.6	4322.2	3561.1	3417.3
52.5°	609.7	617.9	683.9	821.9	1065.6	1456.7	2352.2	3973.2	4774.6	4000.7	3823.5
55°	453.6	459.5	516.7	640.7	877.4	1265.6	2120.7	3994.8	5287.8	4601.6	4380.0
57.5°	329.1	332.6	369.4	461.8	665.2	1026.5	1839.6	3938.7	5898.7	5372.0	5093.2
60°	266.6	267.7	278.8	319.7	462.4	756.4	1500.0	3745.8	6561.6	6365.2	6013.9
62.5°	242.0	242.0	244.9	256.0	312.7	499.2	1089.0	3346.0	7272.4	7620.2	7149.6
65°	225.1	225.1	226.2	231.5	246.7	318.0	687.4	2694.8	7871.6	9090.3	8495.3
67.5°	209.9	210.4	209.9	211.6	220.4	235.0	398.7	1861.2	8194.2	10613.7	9971.3
70°	194.1	195.2	192.3	192.3	199.3	199.9	249.6	1020.6	7926.5	11890.3	11721.4
72.5°	175.4	177.1	172.4	171.3	176.5	174.2	187.6	489.9	6805.3	12271.5	12715.7
75°	159.0	161.3	150.8	147.9	147.9	146.1	152.6	251.4	4416.9	10010.4	10707.2
77.5°	144.4	149.1	132.1	122.8	120.4	115.2	124.5	153.7	1931.9	4699.8	4602.2
80°	119.2	125.7	108.7	97.6	93.5	87.7	98.2	107.6	574.6	1091.4	1045.2
82.5°	88.9	91.8	77.2	69.6	66.1	62.0	73.7	74.8	187.1	386.4	436.7
85°	56.7	57.9	47.3	40.9	39.2	37.4	46.8	40.9	71.3	284.1	412.7
87.5°	19.9	22.8	18.1	16.4	17.5	14.6	21.6	12.3	19.9	200.5	248.4
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)