

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: P940153

Luminaire Tested: **GALN-SB3A-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940153
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-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11964 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

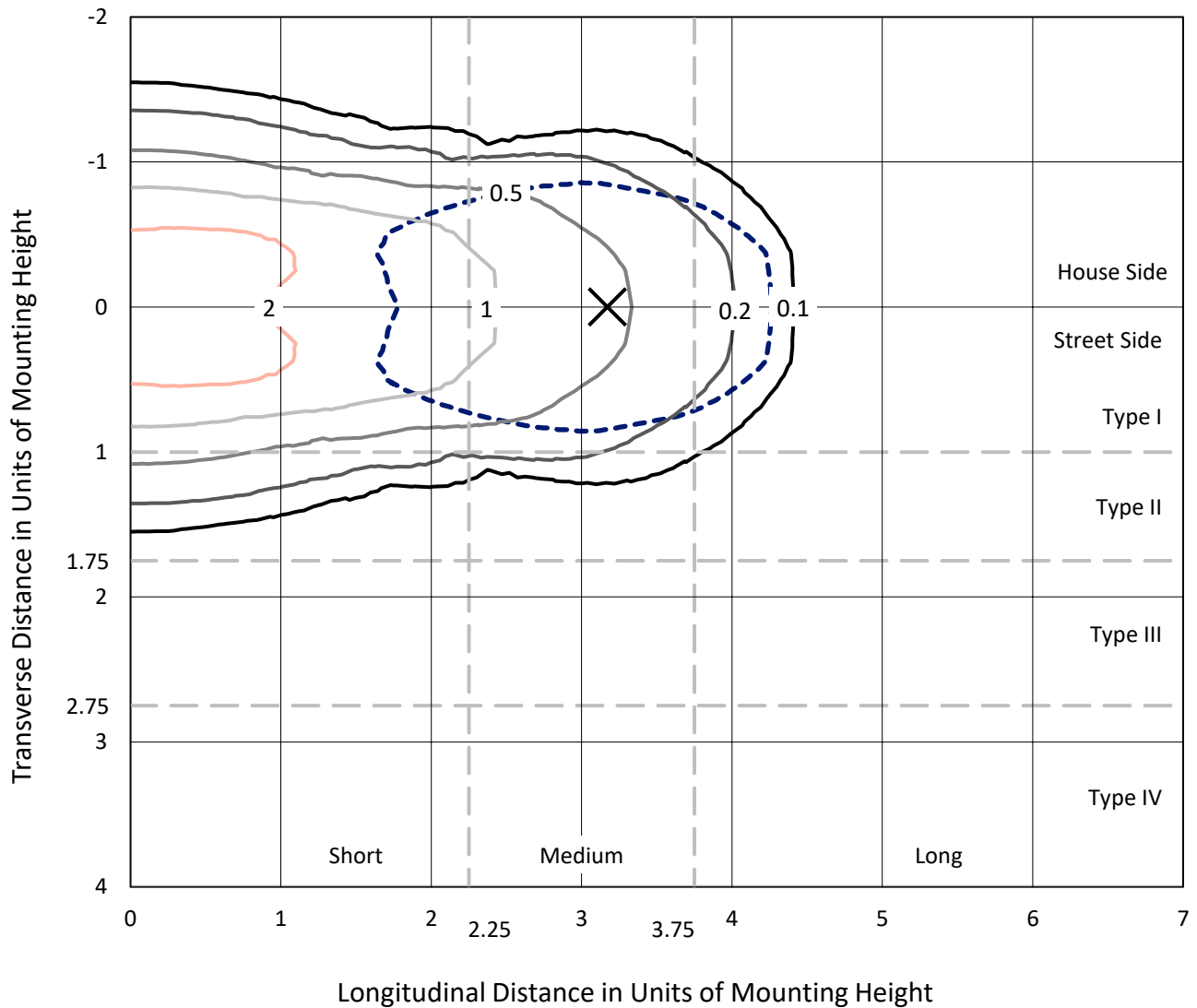
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

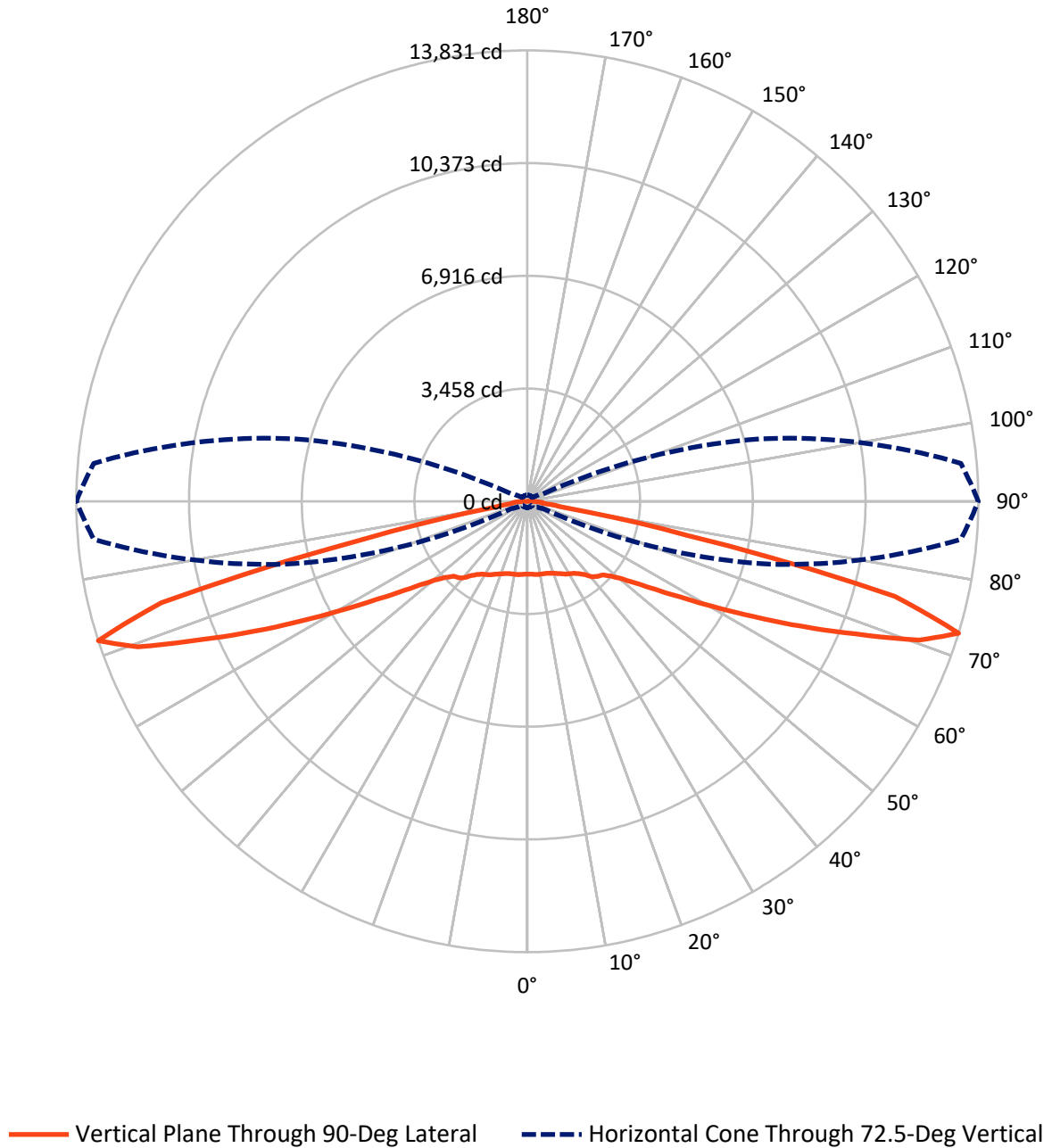
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	5982.0	0.0	5982.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5982.0	0.0	5982.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11964.0	0.0	11964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	1.8
10°-20°	662.8	5.5
20°-30°	1105.1	9.2
30°-40°	1519.9	12.7
40°-50°	1856.2	15.5
50°-60°	2146.9	17.9
60°-70°	2559.9	21.4
70°-80°	1786.6	14.9
80°-90°	109.7	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°	11964.0	100.0
0°-180°	11964.0	100.0

Coefficient of Utilization



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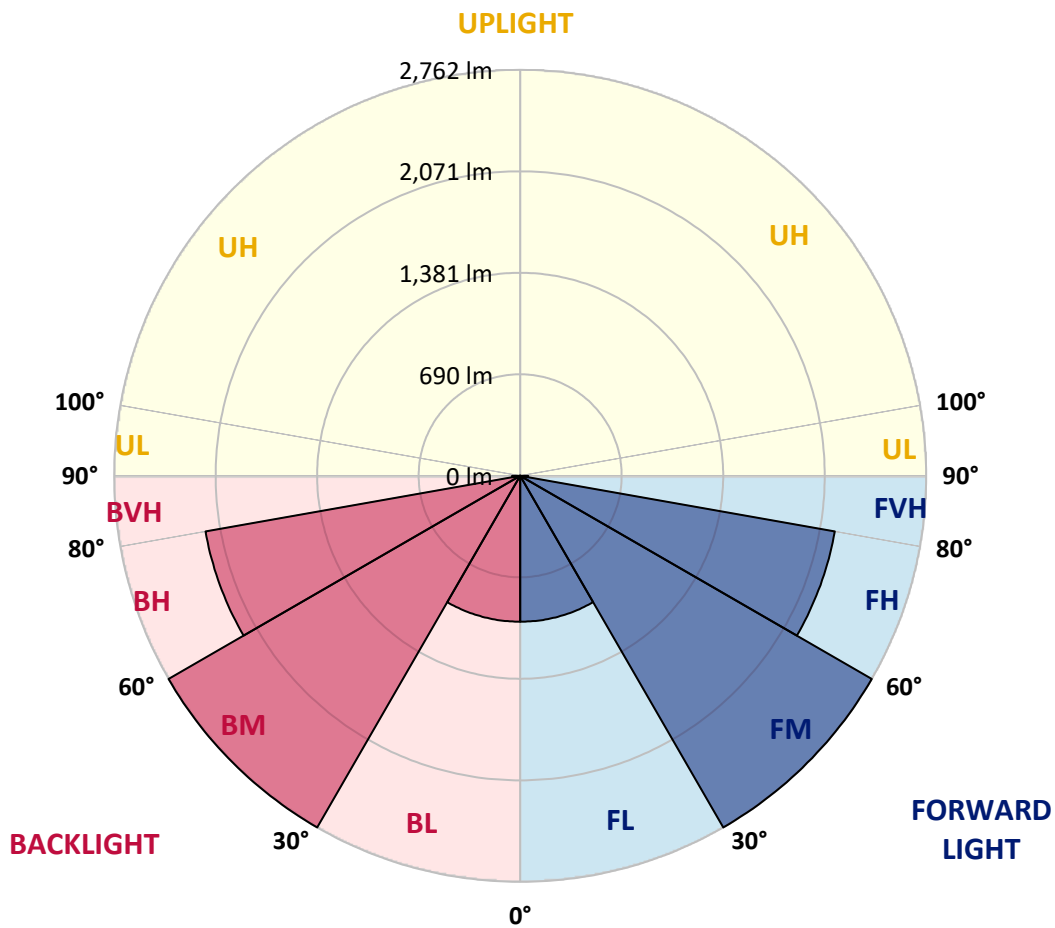
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.4	8.3			
FM (30°-60°)	2761.5	23.1			
FH (60°-80°)	2173.2	18.2			G2/5000
FVH (80°-90°)	54.9	0.5			G1/100
BL (0°-30°)	992.4	8.3	B2/1000		
BM (30°-60°)	2761.5	23.1	B3/5000		
BH (60°-80°)	2173.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	54.9	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°	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6
2.5°	2237.5	2240.1	2240.1	2238.1	2242.6	2238.8	2238.8	2236.9	2238.8	2236.9
5°	2249.0	2252.1	2253.4	2252.8	2258.5	2255.3	2255.3	2252.8	2253.4	2251.5
7.5°	2270.6	2275.0	2277.6	2280.7	2289.0	2285.2	2282.7	2275.0	2271.8	2266.8
10°	2277.6	2282.7	2290.9	2307.4	2326.5	2327.2	2319.5	2300.5	2285.8	2274.4
12.5°	2255.9	2262.9	2280.1	2313.8	2356.4	2373.6	2361.5	2329.7	2301.1	2280.7
15°	2228.6	2236.2	2262.3	2313.2	2376.1	2416.2	2414.9	2372.9	2327.2	2295.4
17.5°	2186.0	2193.6	2231.1	2302.4	2391.4	2457.5	2475.3	2432.1	2367.9	2325.3
20°	2109.1	2116.1	2168.2	2268.0	2396.5	2501.4	2547.8	2509.6	2429.5	2371.7
22.5°	2009.2	2020.1	2081.1	2208.9	2384.4	2547.2	2630.5	2604.4	2501.4	2421.3
25°	1902.4	1913.9	1985.1	2136.4	2353.2	2580.2	2728.4	2711.8	2582.8	2482.9
27.5°	1810.2	1822.3	1899.9	2064.6	2304.9	2592.9	2825.0	2833.3	2681.3	2551.0
30°	1737.7	1749.2	1831.8	2006.7	2242.6	2580.2	2909.6	2966.8	2781.8	2610.1
32.5°	1658.3	1672.9	1760.0	1936.1	2168.8	2549.7	2983.3	3111.1	2898.1	2673.7
35°	1557.8	1571.2	1662.7	1839.5	2072.2	2500.7	3045.0	3271.4	3064.7	2770.3
37.5°	1435.7	1448.4	1539.4	1718.7	1976.2	2432.1	3092.1	3452.0	3263.1	2909.6
40°	1313.0	1325.1	1410.3	1583.9	1861.1	2344.3	3108.6	3628.7	3490.7	3101.0
42.5°	1200.5	1211.3	1289.5	1451.0	1732.0	2232.4	3087.0	3782.6	3694.8	3234.5
45°	1096.8	1106.4	1175.7	1326.4	1597.9	2096.4	3022.1	3947.9	3937.7	3329.9
47.5°	978.6	988.1	1059.9	1205.5	1463.7	1936.8	2912.1	4110.7	4275.4	3546.1
50°	834.2	842.5	916.2	1066.3	1324.4	1767.0	2759.5	4238.5	4701.4	3873.5
52.5°	663.2	672.1	743.9	894.0	1159.1	1584.5	2558.6	4321.8	5193.5	4351.7
55°	493.4	499.8	562.1	696.9	954.4	1376.6	2306.8	4345.3	5751.8	5005.3
57.5°	358.0	361.8	401.8	502.3	723.6	1116.5	2001.0	4284.3	6416.2	5843.3
60°	289.9	291.2	303.3	347.8	502.9	822.8	1631.6	4074.4	7137.3	6923.6
62.5°	263.2	263.2	266.4	278.5	340.2	543.0	1184.6	3639.5	7910.4	8288.8
65°	244.8	244.8	246.1	251.8	268.3	345.9	747.7	2931.2	8562.2	9887.9
67.5°	228.3	228.9	228.3	230.2	239.7	255.6	433.6	2024.5	8913.2	11544.9
70°	211.1	212.4	209.2	209.2	216.8	217.5	271.5	1110.2	8621.9	12933.5
72.5°	190.8	192.7	187.6	186.3	192.0	189.5	204.1	532.8	7402.4	13348.1
75°	172.9	175.5	164.0	160.9	160.9	159.0	166.0	273.4	4804.4	10888.7
77.5°	157.1	162.1	143.7	133.5	131.0	125.3	135.4	167.2	2101.4	5112.1
80°	129.7	136.7	118.3	106.2	101.7	95.4	106.8	117.0	625.0	1187.1
82.5°	96.6	99.8	83.9	75.7	71.8	67.4	80.1	81.4	203.5	420.3
85°	61.7	62.9	51.5	44.5	42.6	40.7	50.9	44.5	77.6	309.0
87.5°	21.6	24.8	19.7	17.8	19.1	15.9	23.5	13.4	21.6	218.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2235.6
2236.9
2251.5
2266.8
2272.5
2277.6
2290.3
2318.3
2360.9
2406.6
2462.6
2529.4
2579.0
2634.3
2726.5
2851.1
3038.7
3154.4
3221.8
3421.4
3717.1
4159.0
4764.3
5540.0
6541.5
7776.9
9240.6
10846.1
12749.8
13831.3
11646.6
5005.9
1136.9
475.0
448.9
270.2
0.0

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