

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: P946616

Luminaire Tested: **GALN-SB2B-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

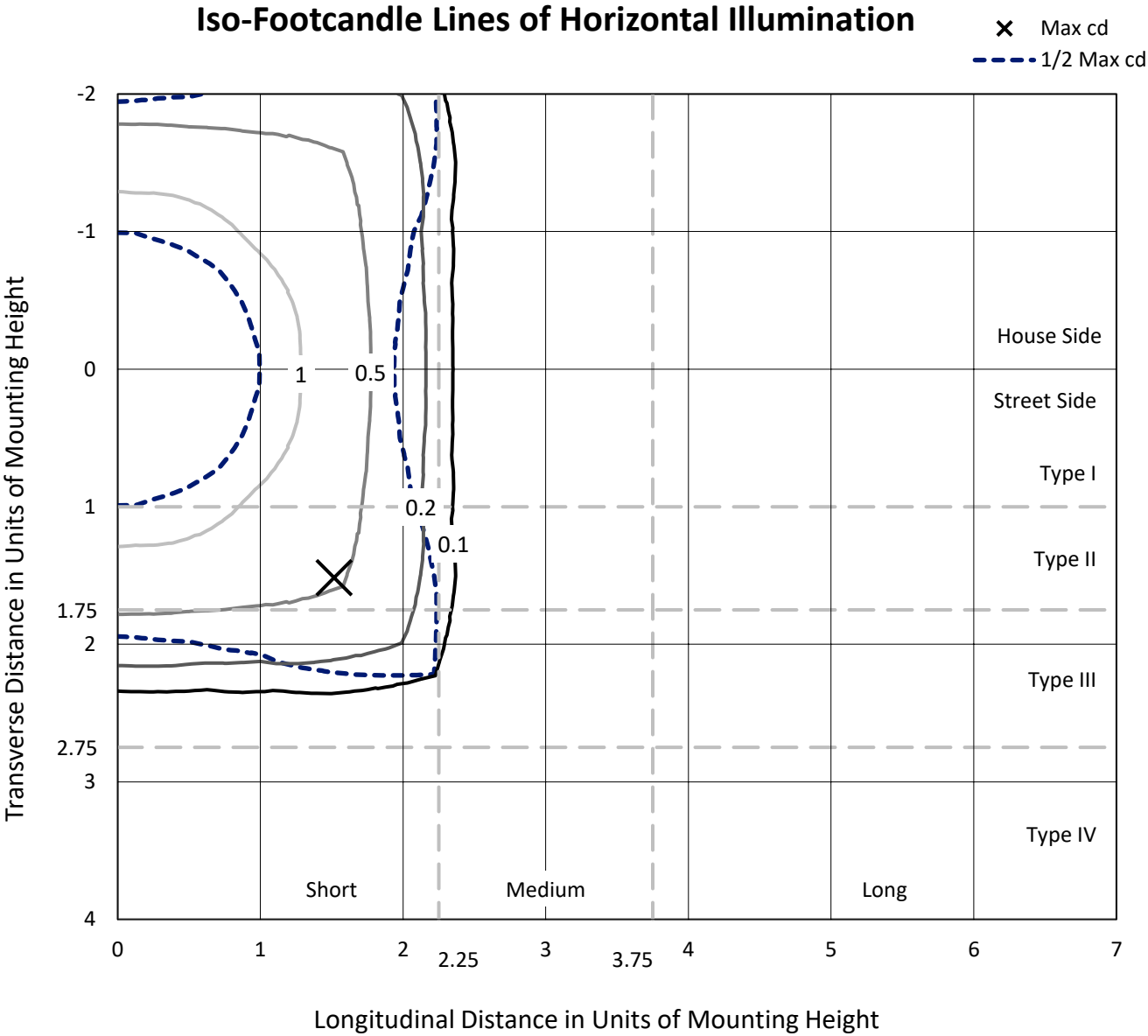
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9748 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 73.9
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



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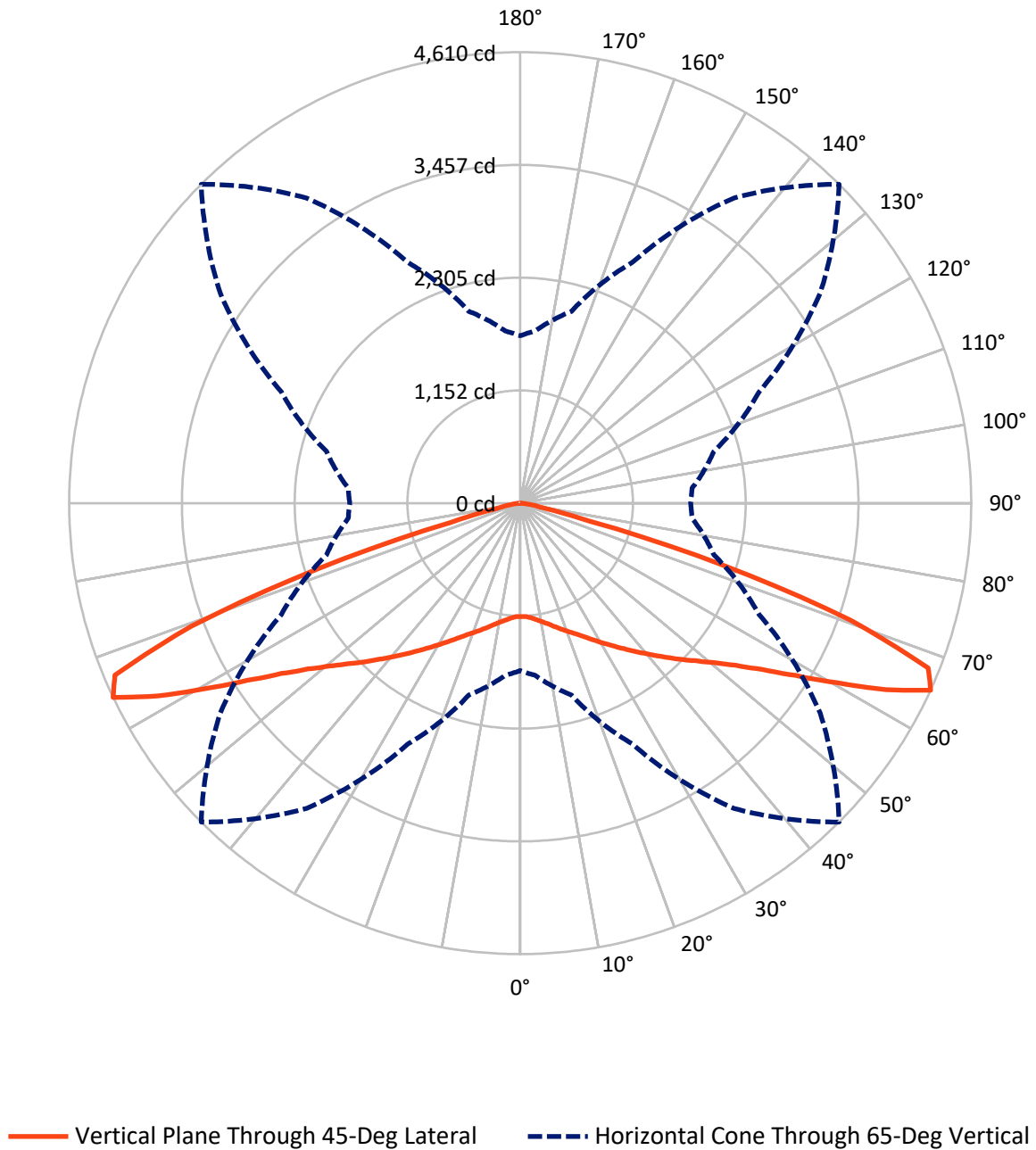


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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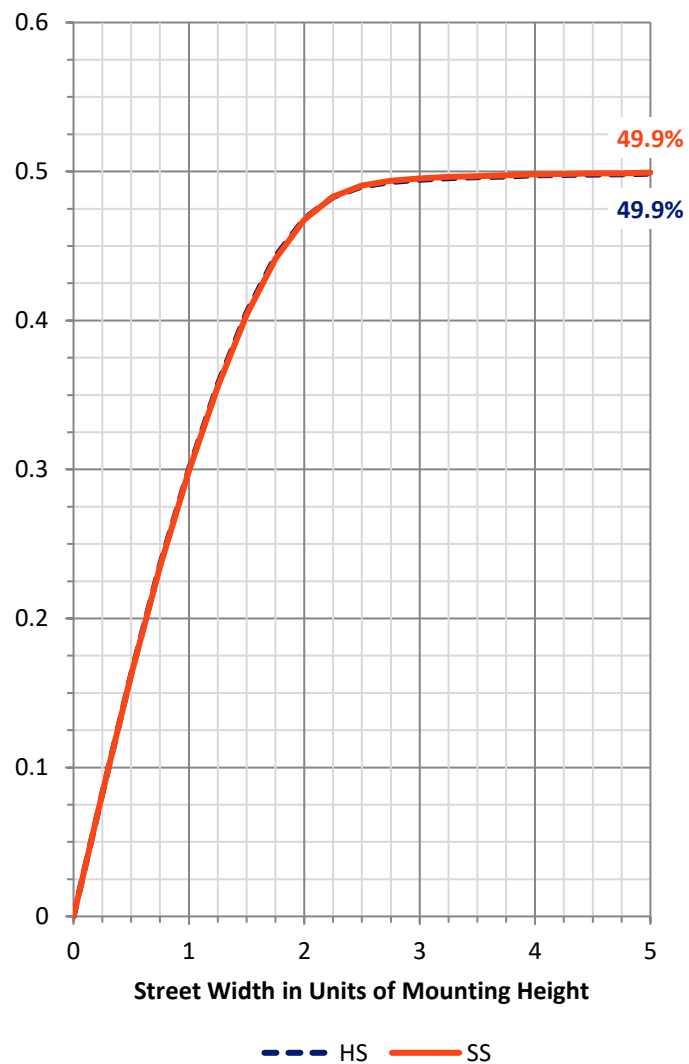
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4874.0	0.0	4874.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4874.0	0.0	4874.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9748.0	0.0	9748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.2
10°-20°	373.6	3.8
20°-30°	705.4	7.2
30°-40°	1155.1	11.8
40°-50°	1790.9	18.4
50°-60°	2645.6	27.1
60°-70°	2518.3	25.8
70°-80°	406.4	4.2
80°-90°	38.3	0.4
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°	9748.0	100.0
0°-180°	9748.0	100.0

Coefficient of Utilization



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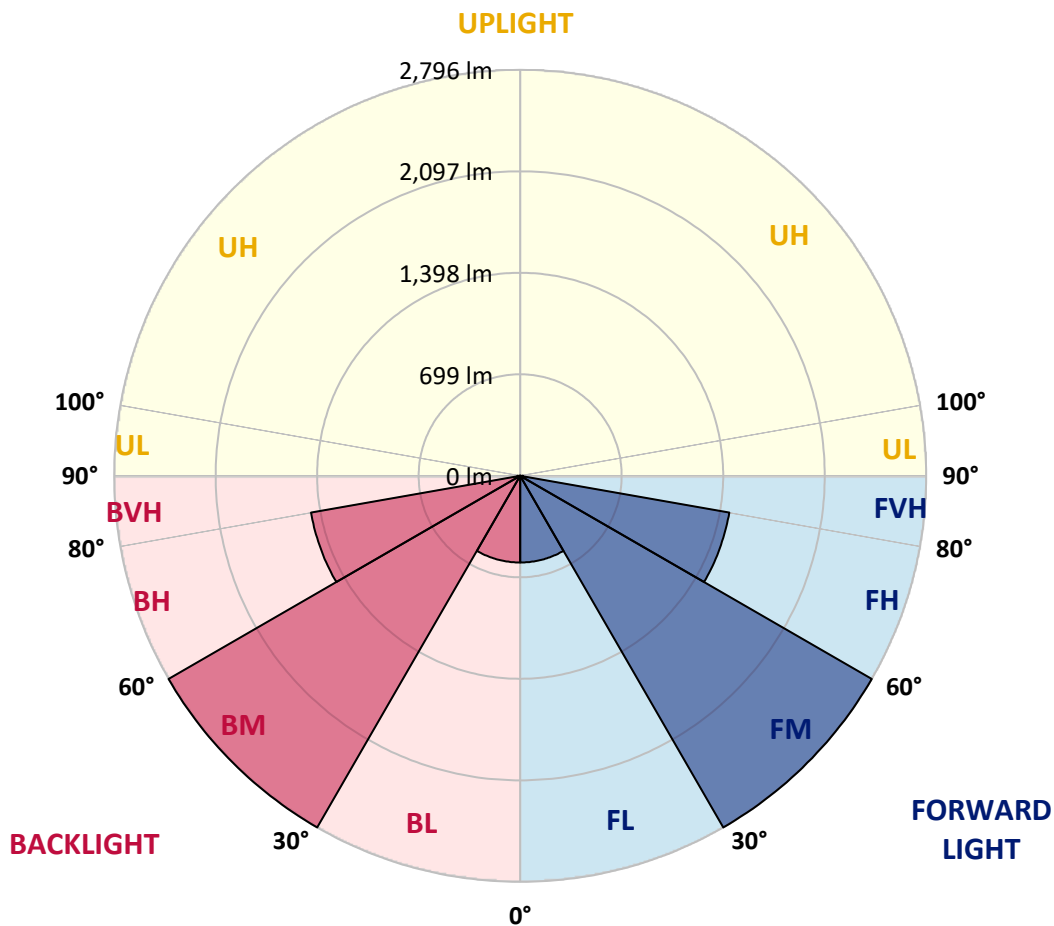
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	596.7	6.1			
FM	(30°-60°)	2795.8	28.7			
FH	(60°-80°)	1462.3	15.0			G1/1800
FVH	(80°-90°)	19.2	0.2			G1/100
BL	(0°-30°)	596.7	6.1	B2/1000		
BM	(30°-60°)	2795.8	28.7	B3/5000		
BH	(60°-80°)	1462.3	15.0	B3/2500		G1/1800
BVH	(80°-90°)	19.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1
2.5°	1167.9	1164.0	1167.0	1164.5	1162.6	1160.6	1161.6	1165.0	1166.5	1167.0	1167.0
5°	1183.6	1180.2	1181.6	1181.6	1178.2	1177.2	1177.7	1180.2	1183.1	1183.1	1183.1
7.5°	1209.0	1205.6	1209.0	1207.1	1204.1	1203.1	1202.7	1204.6	1209.0	1209.0	1207.6
10°	1239.8	1235.9	1237.9	1236.9	1233.5	1232.0	1231.5	1234.5	1238.4	1237.9	1236.9
12.5°	1273.6	1269.2	1271.6	1268.7	1267.7	1266.2	1266.2	1265.8	1268.2	1266.2	1267.2
15°	1311.2	1308.3	1309.3	1307.3	1308.8	1307.8	1303.9	1301.9	1302.9	1300.0	1300.5
17.5°	1355.7	1348.9	1352.3	1351.3	1351.3	1353.3	1346.9	1344.5	1346.5	1343.5	1346.0
20°	1407.1	1400.3	1401.7	1399.8	1397.3	1399.3	1391.4	1393.4	1394.9	1392.9	1397.3
22.5°	1463.3	1454.5	1454.0	1455.0	1449.6	1450.1	1444.8	1449.6	1452.6	1447.2	1452.6
25°	1521.1	1511.8	1518.1	1515.7	1508.8	1510.3	1506.4	1511.3	1513.7	1506.9	1514.7
27.5°	1582.2	1575.8	1581.7	1583.2	1574.9	1580.7	1574.9	1579.3	1581.7	1571.4	1579.3
30°	1653.6	1647.2	1652.6	1656.5	1646.7	1656.0	1651.2	1654.1	1654.6	1642.3	1649.7
32.5°	1731.4	1721.6	1735.3	1737.2	1726.5	1737.7	1731.4	1735.3	1737.7	1721.1	1732.3
35°	1826.2	1814.0	1829.7	1827.2	1817.9	1827.2	1821.4	1827.2	1833.1	1813.0	1825.3
37.5°	1928.5	1915.7	1932.4	1928.0	1919.2	1925.5	1922.1	1926.0	1935.3	1913.8	1927.0
40°	2041.0	2025.3	2047.8	2040.0	2031.7	2030.7	2032.6	2035.1	2047.3	2023.3	2031.2
42.5°	2161.3	2144.6	2178.4	2166.2	2154.4	2146.6	2153.0	2157.8	2169.6	2142.7	2156.9
45°	2298.7	2279.6	2323.6	2309.0	2290.4	2274.2	2284.5	2291.9	2309.0	2276.7	2293.3
47.5°	2450.3	2428.8	2475.7	2471.3	2441.0	2405.8	2429.3	2450.3	2463.0	2423.9	2437.1
50°	2598.5	2581.9	2643.5	2648.9	2611.7	2562.3	2595.1	2626.9	2630.3	2578.9	2585.3
52.5°	2737.4	2720.8	2810.3	2844.0	2810.8	2752.1	2786.8	2819.1	2793.2	2726.6	2728.6
55°	2848.4	2834.7	2948.7	3035.8	3047.0	2998.6	3019.1	3018.1	2933.0	2830.8	2834.2
57.5°	2875.3	2873.4	3017.2	3201.6	3318.9	3324.8	3284.2	3180.5	2997.1	2859.7	2850.9
60°	2753.1	2765.3	2962.9	3288.1	3601.1	3731.2	3555.6	3259.8	2924.2	2733.5	2711.0
62.5°	2387.2	2419.5	2657.7	3182.5	3829.0	4198.8	3773.3	3139.4	2624.9	2376.0	2361.3
65°	1710.8	1767.1	2030.2	2715.9	3808.5	4609.6	3742.0	2693.9	2049.8	1762.7	1741.6
67.5°	776.2	833.4	1056.9	1859.5	3310.6	4498.1	3302.8	1879.1	1109.7	836.3	824.1
70°	281.2	291.0	362.9	744.4	2115.8	3584.0	2206.3	749.8	385.9	310.1	306.2
72.5°	170.2	171.7	186.8	266.6	735.1	2175.9	766.4	275.4	190.7	169.2	172.2
75°	108.1	107.1	133.0	162.9	260.7	734.1	273.4	162.9	132.5	120.8	121.8
77.5°	77.8	80.2	95.4	121.8	164.3	248.9	161.4	116.4	95.4	78.3	79.7
80°	58.2	59.7	69.5	94.9	115.4	155.0	102.7	86.1	71.9	48.9	50.4
82.5°	42.1	42.1	45.5	69.0	70.4	83.6	55.8	60.6	47.4	34.7	34.7
85°	24.9	24.5	28.4	41.1	36.7	30.8	25.4	37.2	29.8	21.5	21.0
87.5°	8.8	9.3	8.8	11.7	9.8	8.3	7.8	10.3	8.3	7.3	6.8
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)