

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: P948341

Luminaire Tested: **GALN-SB3B-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12103 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

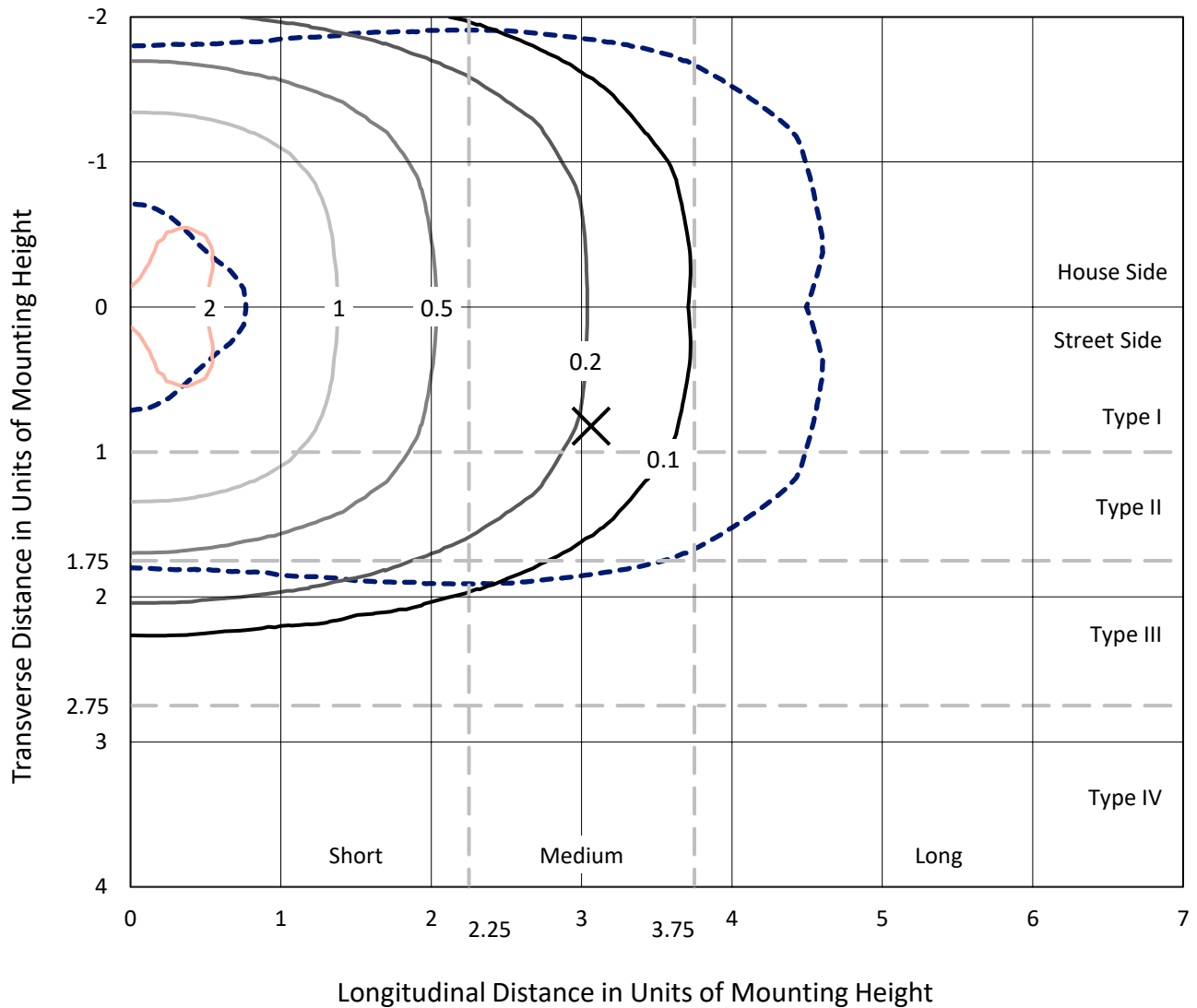
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

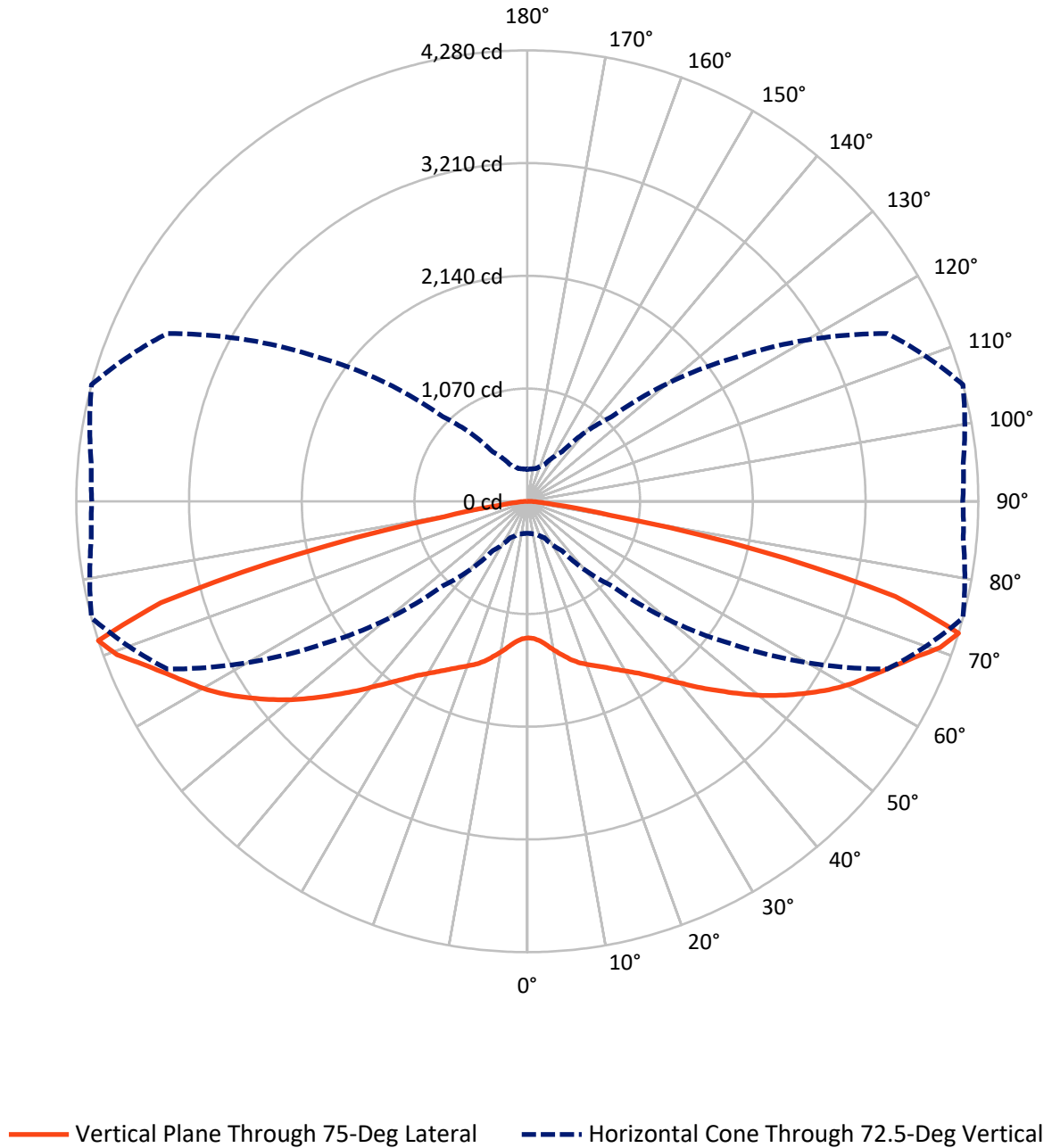
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6051.5	0.0	6051.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6051.5	0.0	6051.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12103.0	0.0	12103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	1.0
10°-20°	418.9	3.5
20°-30°	809.4	6.7
30°-40°	1366.7	11.3
40°-50°	2167.4	17.9
50°-60°	2901.9	24.0
60°-70°	2761.7	22.8
70°-80°	1441.1	11.9
80°-90°	109.1	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°	12103.0	100.0
0°-180°	12103.0	100.0

Coefficient of Utilization



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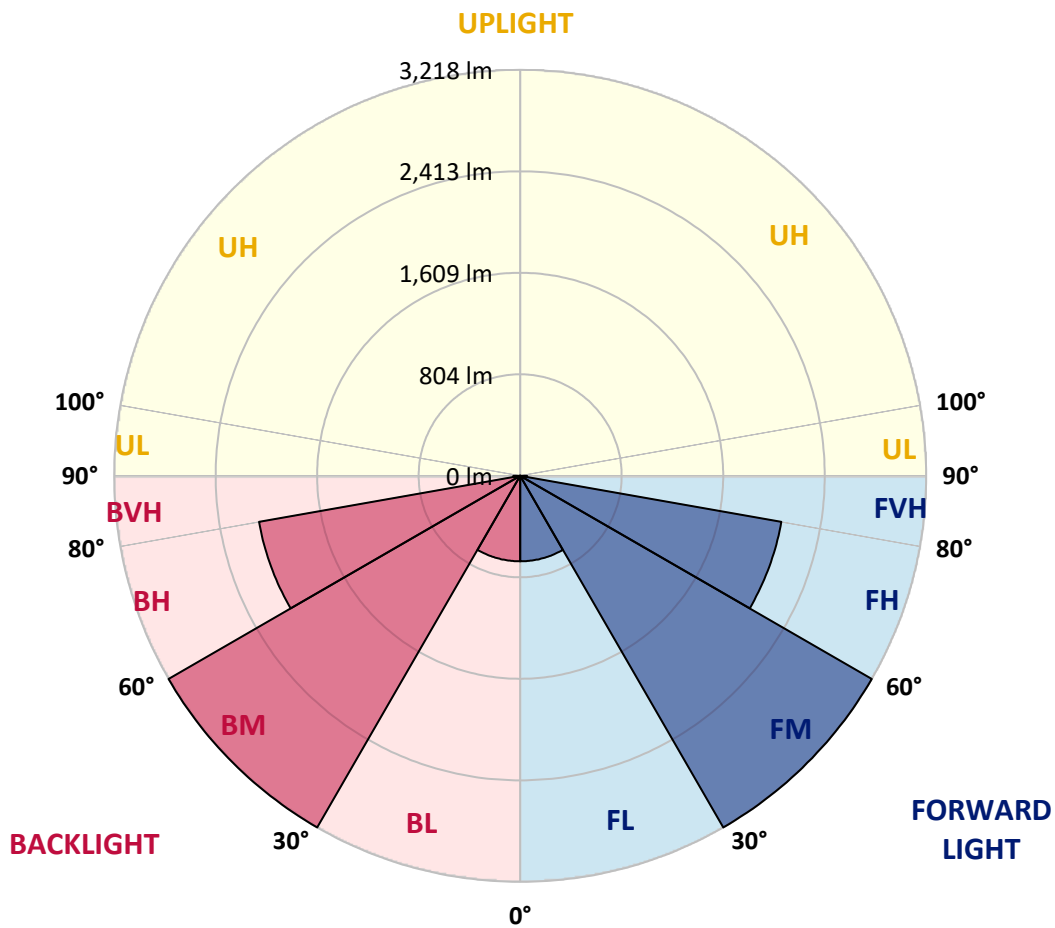
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.6	5.6			
FM (30°-60°)	3218.0	26.6			
FH (60°-80°)	2101.4	17.4			G2/5000
FVH (80°-90°)	54.5	0.5			G1/100
BL (0°-30°)	677.6	5.6	B2/1000		
BM (30°-60°)	3218.0	26.6	B3/5000		
BH (60°-80°)	2101.4	17.4	B3/2500		G3/2500
BVH (80°-90°)	54.5	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1296.4	1296.4	1296.4	1296.4	1296.4	1296.4	1296.4	1296.4	1296.4	1296.4
2.5°	1296.4	1295.2	1296.4	1297.7	1297.1	1297.1	1300.2	1302.0	1305.7	1305.1
5°	1287.8	1287.2	1292.1	1297.7	1302.0	1309.4	1318.7	1325.5	1334.1	1336.0
7.5°	1283.5	1281.6	1290.3	1300.2	1313.8	1332.3	1350.2	1368.7	1383.6	1388.5
10°	1286.6	1287.2	1298.9	1317.5	1339.1	1365.0	1390.4	1421.9	1442.9	1447.8
12.5°	1300.8	1299.5	1319.3	1349.0	1378.6	1411.4	1441.0	1475.7	1498.5	1510.3
15°	1326.7	1324.3	1352.1	1395.9	1439.2	1477.5	1501.6	1534.4	1560.9	1575.8
17.5°	1357.6	1358.9	1395.3	1452.2	1509.0	1552.3	1575.1	1591.8	1612.2	1625.2
20°	1412.0	1414.5	1455.3	1522.6	1587.5	1636.9	1655.5	1649.3	1654.9	1664.7
22.5°	1484.9	1486.2	1531.9	1604.8	1672.8	1727.2	1739.5	1714.2	1698.7	1705.5
25°	1569.6	1577.6	1623.3	1698.1	1767.9	1819.8	1825.4	1787.1	1748.8	1750.6
27.5°	1672.8	1680.2	1726.5	1800.7	1871.8	1916.9	1916.2	1865.0	1808.7	1794.5
30°	1784.6	1792.7	1840.2	1916.9	1983.0	2022.5	2013.9	1952.7	1872.4	1845.8
32.5°	1917.5	1922.4	1970.6	2047.3	2108.4	2139.9	2122.0	2046.6	1946.5	1916.2
35°	2078.1	2085.6	2121.4	2193.7	2247.5	2273.4	2243.1	2154.2	2041.7	2007.7
37.5°	2261.7	2256.7	2297.5	2361.8	2406.3	2422.3	2380.9	2275.3	2150.4	2110.3
40°	2453.2	2450.8	2495.3	2557.1	2581.2	2591.0	2529.9	2414.3	2275.9	2232.6
42.5°	2626.9	2625.0	2685.0	2753.6	2782.6	2771.5	2694.2	2562.0	2421.1	2371.7
45°	2765.9	2763.4	2837.0	2933.4	2990.2	2971.7	2867.9	2725.1	2568.2	2516.9
47.5°	2872.8	2874.1	2953.2	3072.4	3171.9	3178.7	3045.2	2891.4	2730.1	2672.0
50°	2950.1	2953.8	3038.4	3170.7	3306.6	3366.6	3226.3	3061.9	2897.5	2832.0
52.5°	2969.2	2976.0	3078.0	3233.1	3393.1	3507.5	3410.4	3225.7	3056.4	2993.9
55°	2867.3	2880.9	3010.0	3228.1	3446.3	3600.1	3572.3	3391.9	3216.4	3152.1
57.5°	2633.1	2652.2	2803.0	3087.9	3434.5	3663.8	3697.8	3551.3	3376.4	3314.7
60°	2304.9	2327.8	2472.4	2783.2	3268.9	3687.3	3786.1	3706.4	3523.5	3463.6
62.5°	1810.0	1839.6	2012.6	2377.2	2919.2	3577.9	3861.5	3846.7	3655.8	3581.0
65°	1161.1	1192.6	1374.9	1805.6	2452.6	3243.0	3885.0	3983.3	3795.4	3691.0
67.5°	700.1	714.3	804.6	1094.4	1792.7	2738.1	3686.0	4134.7	3958.6	3828.8
70°	448.0	456.0	509.8	642.7	1013.4	1997.8	3192.9	4163.1	4156.3	3970.3
72.5°	304.0	306.5	320.7	380.7	573.5	1135.2	2355.0	3768.8	4279.9	4152.6
75°	222.5	236.1	258.9	269.4	325.7	567.3	1349.6	2647.9	3606.9	3662.6
77.5°	165.6	166.2	197.7	210.1	232.3	302.2	571.0	1478.1	2239.4	2351.3
80°	140.3	132.9	132.2	169.3	174.9	188.5	255.2	510.4	802.1	486.3
82.5°	116.8	108.8	98.3	132.2	119.3	115.6	110.6	207.6	255.2	125.4
85°	81.6	77.9	74.2	86.5	68.0	58.1	53.1	97.0	107.5	53.1
87.5°	35.2	36.5	37.1	38.3	28.4	20.4	20.4	27.2	27.2	21.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1296.4
1304.5
1336.0
1389.8
1452.8
1515.2
1581.3
1631.4
1672.2
1710.5
1753.7
1798.8
1848.9
1923.7
2012.6
2117.7
2246.8
2384.0
2528.6
2689.3
2851.8
3010.0
3170.1
3328.9
3476.6
3589.6
3704.0
3838.7
3969.1
4132.8
3527.8
2097.3
367.7
106.9
47.0
15.4
0.0

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