

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: P940250

Luminaire Tested: **GALN-SB3B-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15851 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

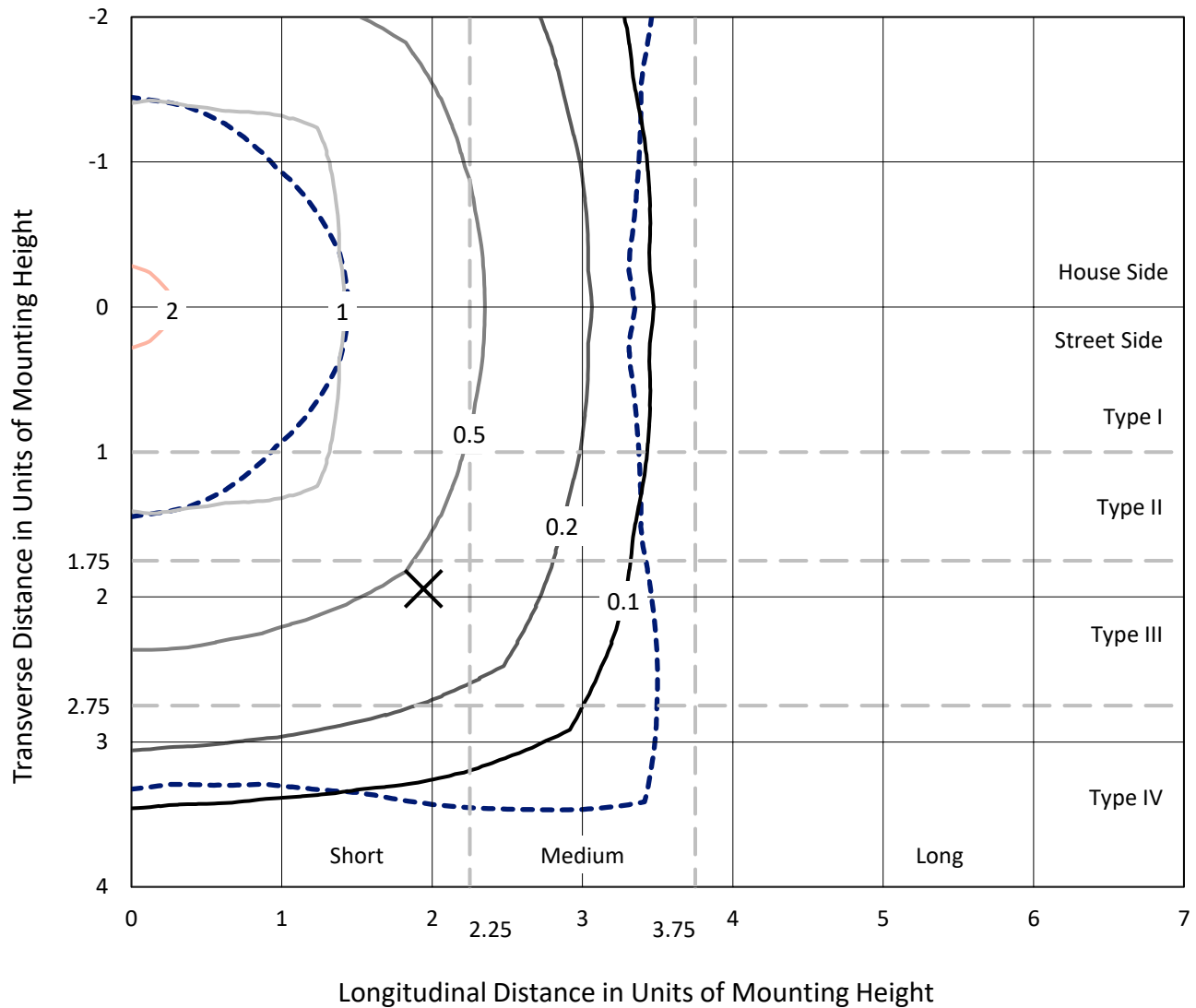


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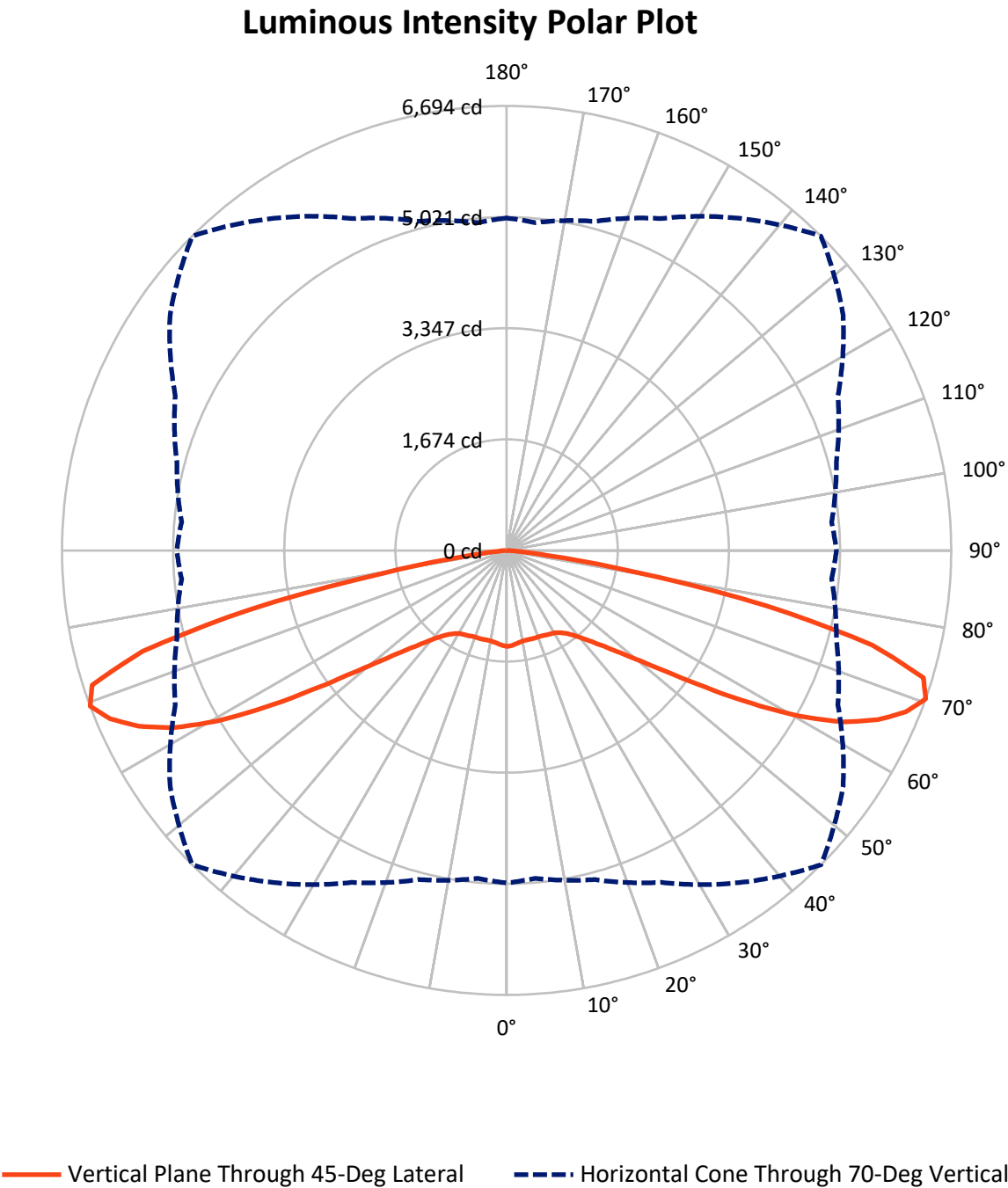
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



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

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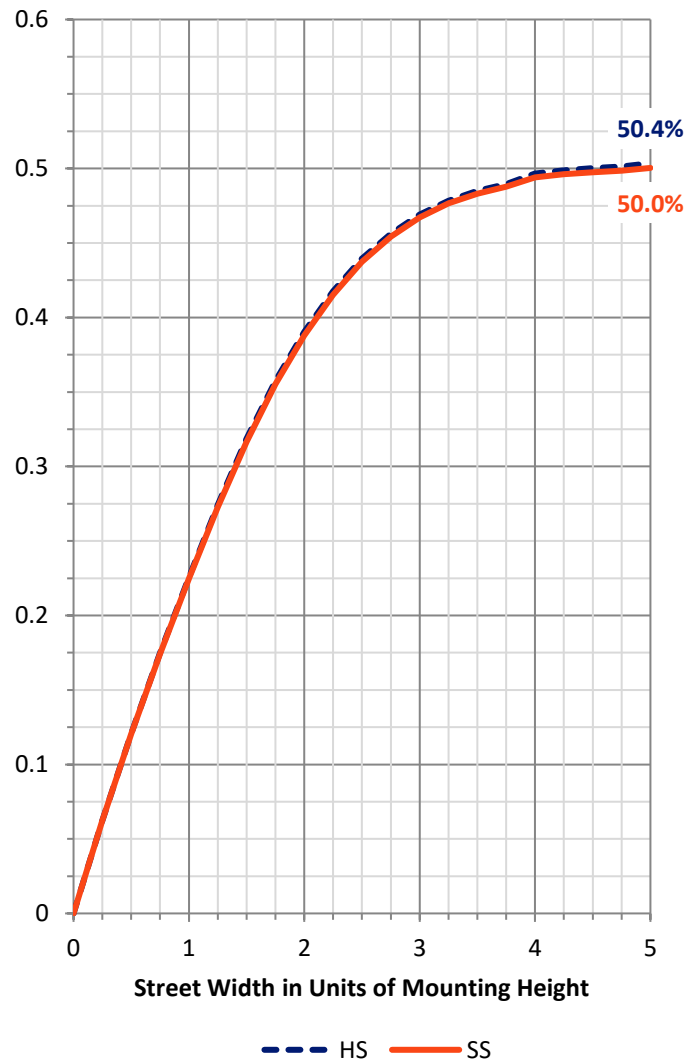
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7925.5	0.0	7925.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7925.5	0.0	7925.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15851.0	0.0	15851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	0.8
10°-20°	394.9	2.5
20°-30°	657.2	4.1
30°-40°	993.9	6.3
40°-50°	1651.7	10.4
50°-60°	3116.7	19.7
60°-70°	5262.7	33.2
70°-80°	3458.1	21.8
80°-90°	181.2	1.1
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°	15851.0	100.0
0°-180°	15851.0	100.0

Coefficient of Utilization



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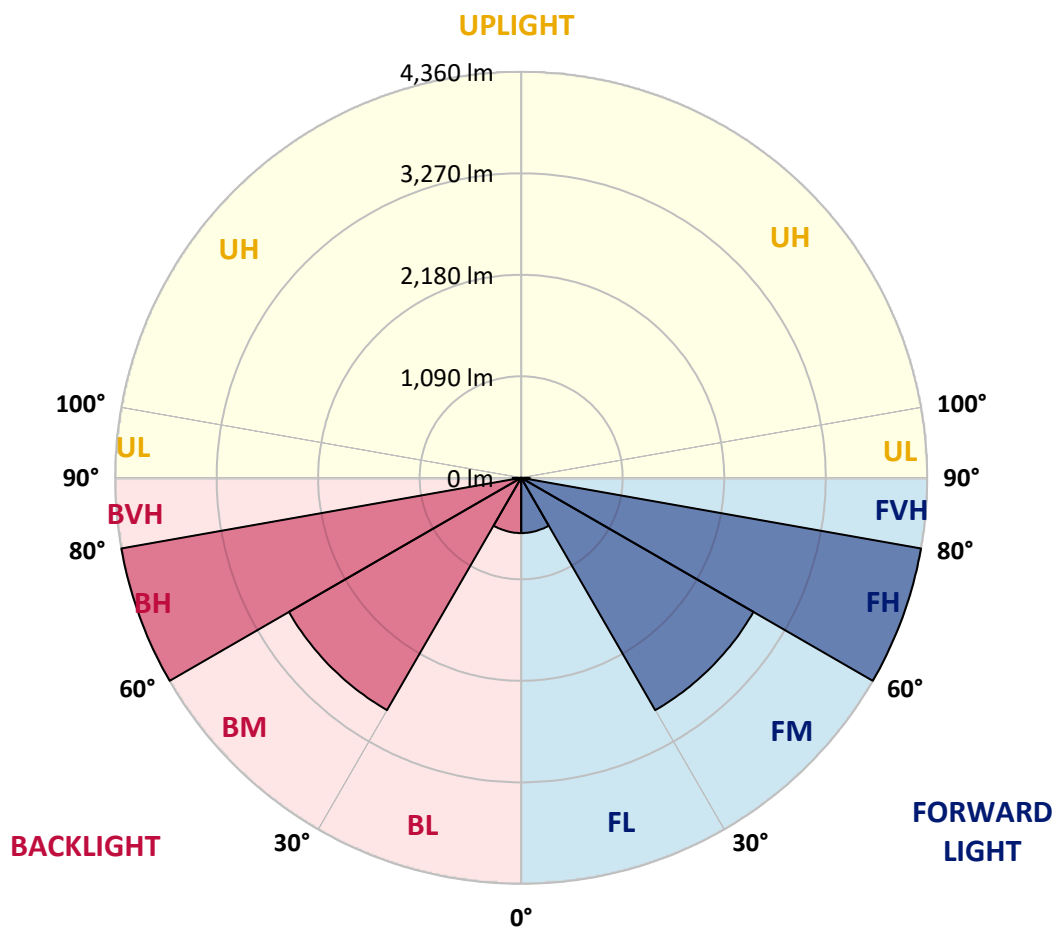
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	593.3	3.7			
FM	(30°-60°)	2881.2	18.2			
FH	(60°-80°)	4360.4	27.5			G2/5000
FVH	(80°-90°)	90.6	0.6			G1/100
BL	(0°-30°)	593.3	3.7	B2/1000		
BM	(30°-60°)	2881.2	18.2	B3/5000		
BH	(60°-80°)	4360.4	27.5	B4/5000		G2/5000
BVH	(80°-90°)	90.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9
2.5°	1436.9	1441.0	1439.3	1436.0	1436.0	1433.6	1436.0	1437.7	1440.2	1441.8	1441.0
5°	1417.9	1421.2	1420.4	1417.9	1418.7	1416.3	1417.9	1420.4	1422.0	1422.9	1422.9
7.5°	1401.4	1404.7	1403.1	1399.0	1399.0	1396.5	1397.3	1399.8	1402.3	1403.1	1403.1
10°	1397.3	1400.6	1395.7	1389.1	1386.6	1383.3	1384.1	1386.6	1391.6	1394.0	1394.0
12.5°	1399.0	1401.4	1396.5	1386.6	1384.1	1380.8	1380.8	1383.3	1389.9	1393.2	1394.0
15°	1403.9	1406.4	1399.0	1388.3	1385.8	1383.3	1382.5	1385.8	1393.2	1399.0	1399.8
17.5°	1413.0	1415.4	1403.9	1389.1	1385.8	1386.6	1385.8	1388.3	1399.8	1410.5	1410.5
20°	1421.2	1422.9	1407.2	1389.1	1385.8	1386.6	1385.8	1390.7	1405.6	1420.4	1421.2
22.5°	1423.7	1425.3	1410.5	1394.8	1392.4	1393.2	1392.4	1397.3	1411.3	1426.2	1426.2
25°	1424.5	1427.0	1415.4	1403.1	1407.2	1408.9	1407.2	1408.0	1418.7	1431.9	1431.1
27.5°	1436.9	1440.2	1429.5	1418.7	1421.2	1420.4	1422.9	1425.3	1433.6	1446.8	1443.5
30°	1462.4	1464.9	1455.8	1445.1	1443.5	1437.7	1445.1	1453.3	1462.4	1473.9	1471.5
32.5°	1504.4	1509.4	1497.8	1486.3	1478.9	1475.6	1481.4	1495.4	1507.7	1520.1	1515.1
35°	1574.5	1577.8	1567.0	1545.6	1532.4	1532.4	1537.4	1555.5	1575.3	1590.9	1585.2
37.5°	1673.3	1677.4	1658.5	1633.0	1613.2	1613.2	1619.8	1638.7	1668.4	1690.6	1682.4
40°	1793.6	1799.4	1775.5	1749.1	1730.2	1726.9	1735.1	1756.5	1784.5	1812.6	1803.5
42.5°	1938.6	1945.2	1913.9	1890.8	1876.0	1876.0	1880.1	1899.9	1925.4	1960.0	1957.6
45°	2124.0	2135.5	2092.7	2069.6	2055.6	2058.9	2061.4	2078.7	2101.7	2141.3	2139.6
47.5°	2344.8	2356.3	2311.0	2287.1	2284.7	2300.3	2290.4	2302.8	2315.1	2360.5	2347.3
50°	2595.3	2615.0	2583.7	2582.1	2587.0	2615.9	2592.8	2599.4	2585.4	2614.2	2596.9
52.5°	2901.7	2930.6	2924.8	2934.7	2989.9	3049.2	2996.5	2973.4	2920.7	2929.8	2899.3
55°	3273.3	3317.0	3325.2	3384.5	3509.8	3630.9	3518.8	3425.7	3313.7	3293.1	3261.0
57.5°	3696.0	3730.6	3770.1	3891.2	4125.2	4340.3	4125.2	3919.3	3742.9	3700.9	3671.3
60°	4150.8	4193.6	4231.5	4410.3	4758.0	5060.3	4751.4	4424.3	4191.1	4134.3	4084.9
62.5°	4639.3	4694.5	4720.9	4919.5	5324.8	5685.7	5330.6	4934.3	4675.6	4614.6	4565.2
65°	5108.1	5153.4	5183.1	5394.8	5782.1	6143.8	5808.4	5417.9	5151.8	5071.9	5032.3
67.5°	5326.5	5351.2	5423.7	5663.4	6072.1	6484.9	6141.3	5689.0	5391.5	5251.5	5253.1
70°	5006.8	4956.5	5131.2	5515.1	6106.7	6694.1	6185.8	5503.6	5139.4	4912.0	4966.4
72.5°	3869.0	3782.5	4085.7	4742.3	5711.2	6560.7	5750.8	4779.4	4274.4	3813.0	3927.5
75°	2105.0	2007.0	2425.5	3256.0	4554.5	5686.5	4659.1	3349.1	2700.7	2089.4	2225.3
77.5°	594.0	557.0	894.7	1575.3	2739.4	3992.6	2844.9	1609.9	1061.2	629.5	699.5
80°	182.1	176.3	238.9	474.6	1163.3	1912.3	1118.0	480.3	304.0	192.0	202.7
82.5°	107.9	98.9	118.6	173.0	296.6	600.6	288.4	180.4	145.0	97.2	105.5
85°	61.8	57.7	70.0	84.0	99.7	127.7	83.2	85.7	77.4	51.9	54.4
87.5°	25.5	23.1	27.2	26.4	23.1	29.7	22.2	26.4	31.3	20.6	18.9
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)