

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: P947707

Luminaire Tested: **GALN-SB3A-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13074 lumens
Efficiency: N/A
Efficacy: 154.4 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): 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

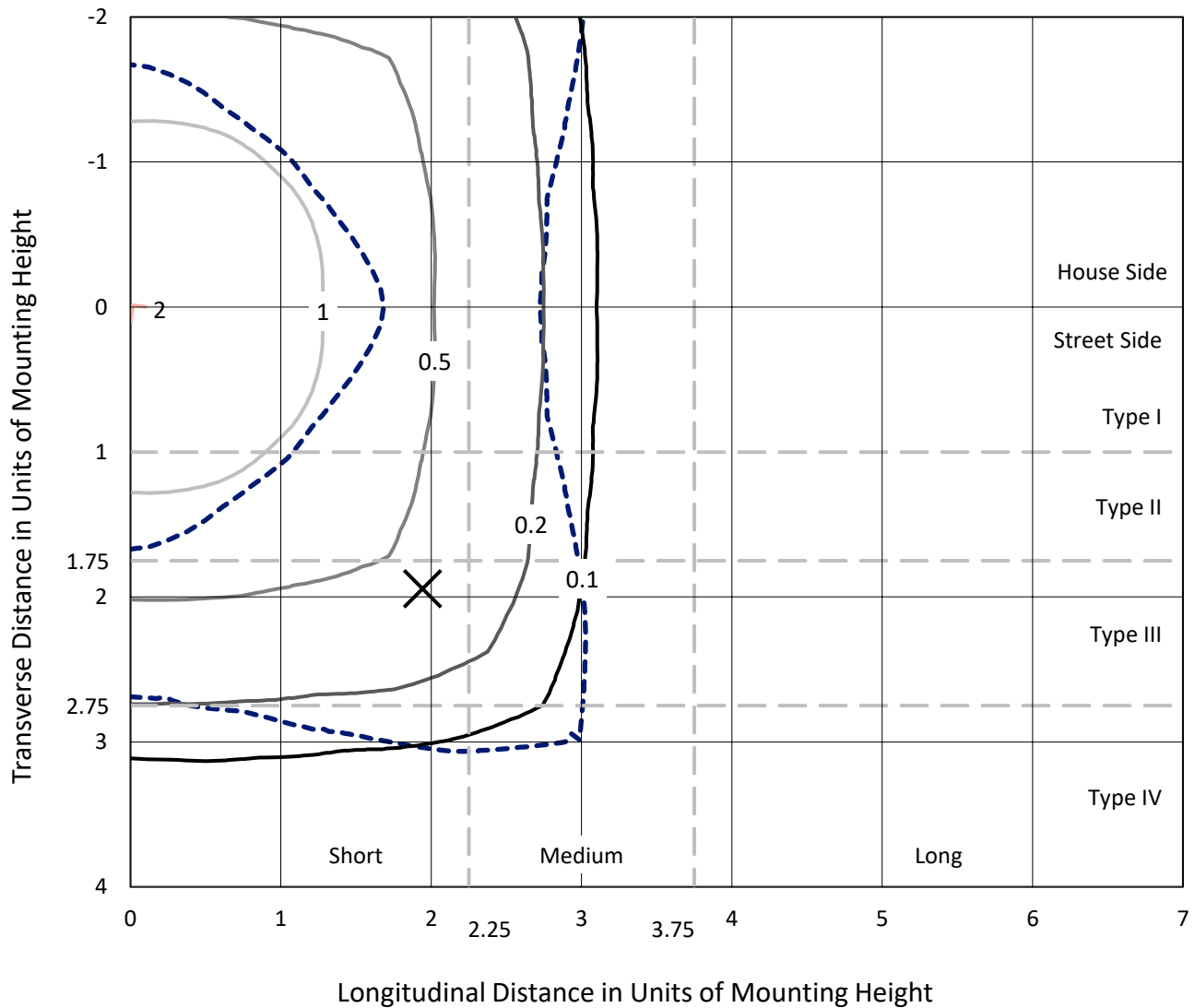


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

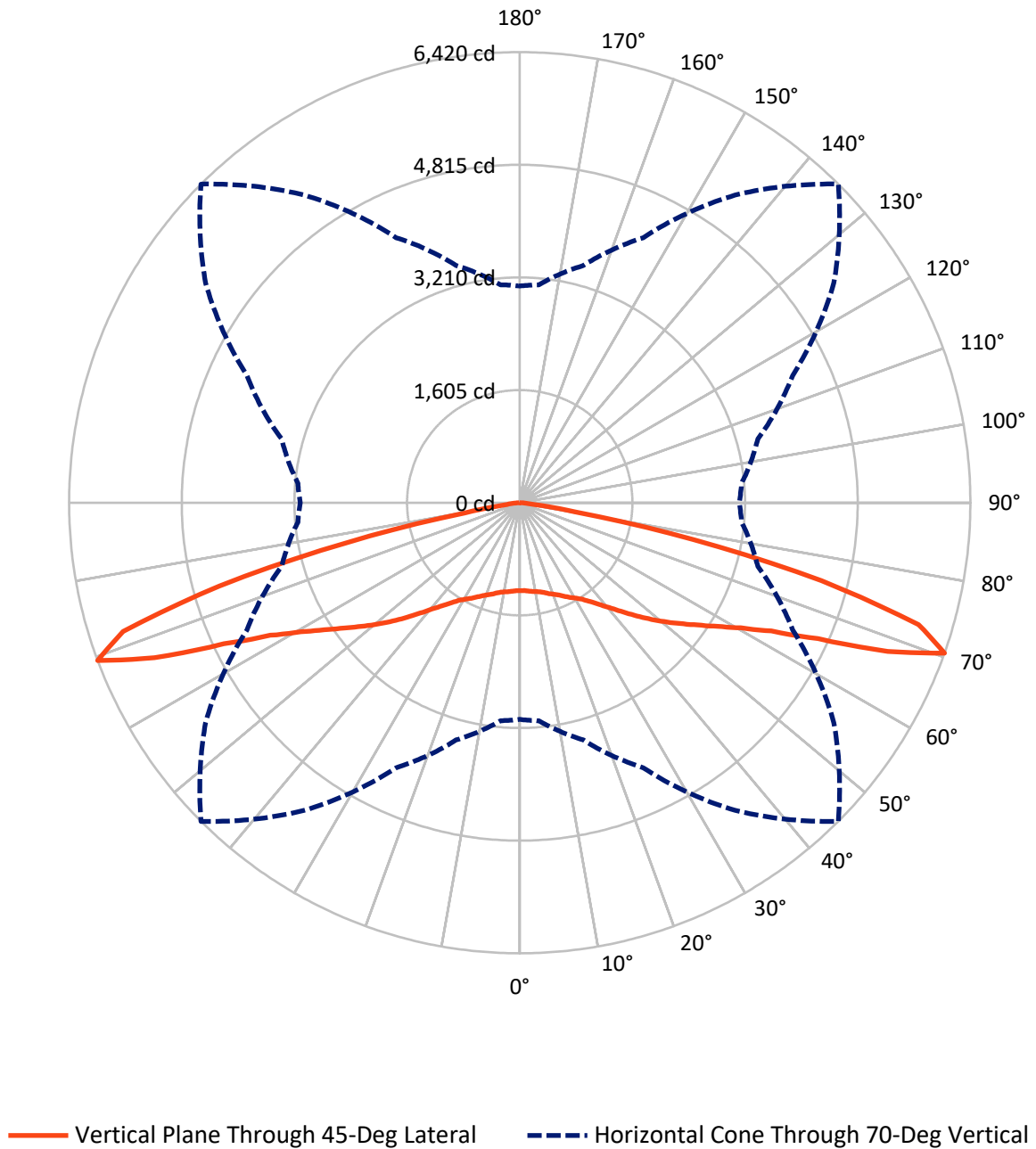


Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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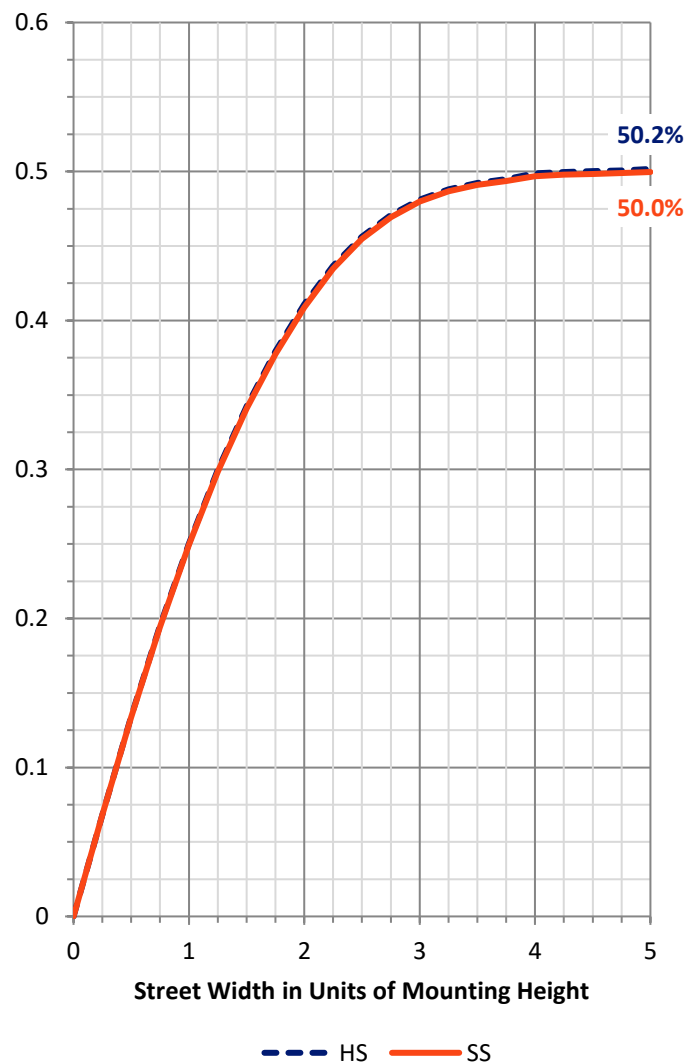
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6537.0	0.0	6537.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6537.0	0.0	6537.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13074.0	0.0	13074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	0.9
10°-20°	377.3	2.9
20°-30°	674.2	5.2
30°-40°	1092.9	8.4
40°-50°	1780.2	13.6
50°-60°	2714.2	20.8
60°-70°	4037.8	30.9
70°-80°	2200.8	16.8
80°-90°	74.9	0.6
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°	13074.0	100.0
0°-180°	13074.0	100.0

Coefficient of Utilization



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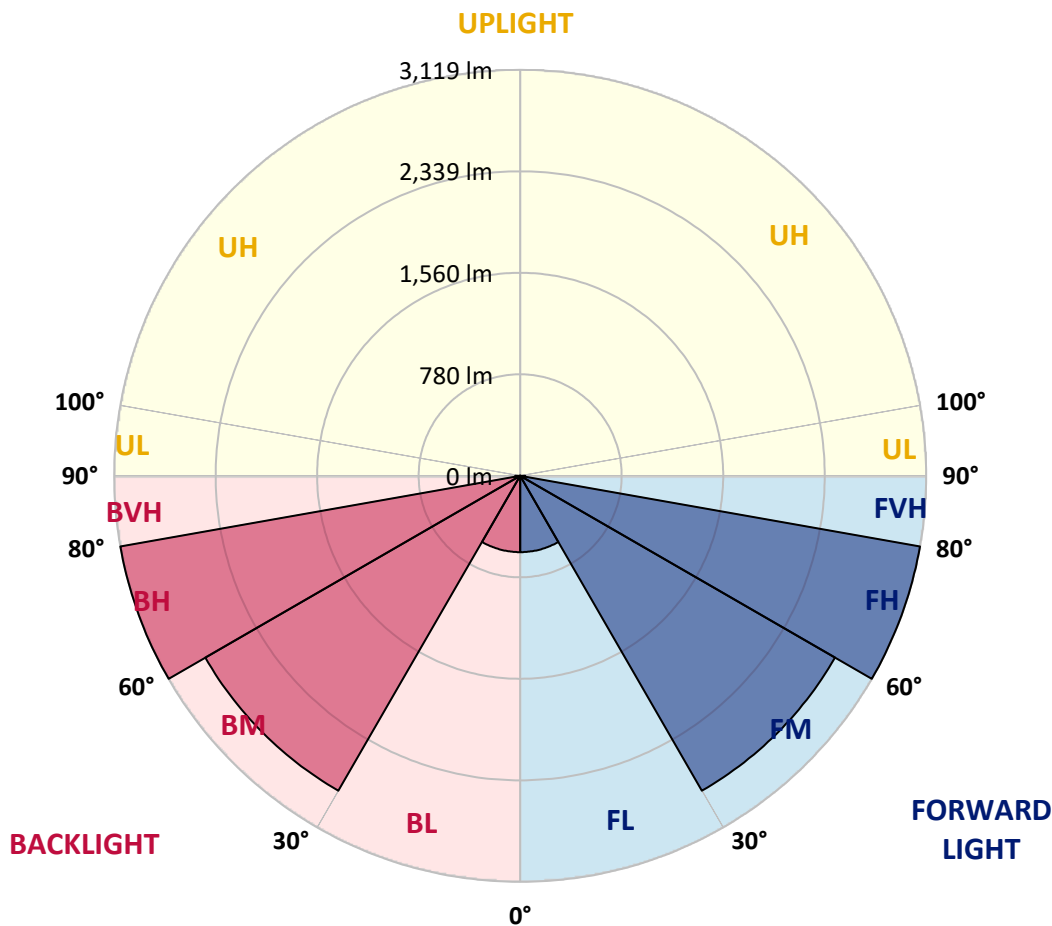
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	586.6	4.5			
FM	(30°-60°)	2793.6	21.4			
FH	(60°-80°)	3119.3	23.9			G2/5000
FVH	(80°-90°)	37.5	0.3			G1/100
BL	(0°-30°)	586.6	4.5	B2/1000		
BM	(30°-60°)	2793.6	21.4	B3/5000		
BH	(60°-80°)	3119.3	23.9	B4/5000		G2/5000
BVH	(80°-90°)	37.5	0.3			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°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1258.3	1259.6	1256.9	1255.6	1254.3	1252.4	1253.0	1256.3	1258.9	1258.3	1258.9
5°	1268.8	1270.1	1268.1	1267.5	1264.8	1264.2	1264.2	1267.5	1269.4	1268.1	1268.8
7.5°	1280.6	1282.5	1279.3	1278.6	1277.3	1276.0	1275.3	1278.6	1280.6	1280.6	1280.6
10°	1291.7	1293.7	1291.1	1289.1	1287.8	1287.8	1286.5	1289.1	1292.4	1291.7	1291.7
12.5°	1303.6	1304.9	1302.2	1300.9	1300.9	1302.9	1300.9	1302.2	1304.9	1303.6	1302.9
15°	1318.0	1318.6	1318.0	1320.0	1323.2	1329.8	1323.9	1322.6	1323.9	1320.6	1320.6
17.5°	1337.7	1339.0	1341.6	1346.2	1350.8	1362.6	1352.1	1348.8	1348.8	1342.3	1342.3
20°	1362.0	1363.9	1367.9	1375.8	1381.7	1392.8	1382.3	1377.7	1375.8	1367.2	1367.2
22.5°	1387.6	1390.8	1396.8	1407.3	1417.8	1428.3	1417.8	1409.9	1404.0	1392.8	1392.2
25°	1417.1	1421.0	1430.2	1447.3	1461.7	1476.8	1464.4	1448.6	1436.8	1421.0	1420.4
27.5°	1459.1	1463.7	1474.9	1495.9	1514.2	1527.4	1515.6	1495.2	1478.8	1459.8	1459.1
30°	1518.2	1522.8	1535.9	1558.2	1570.7	1579.2	1571.3	1555.6	1535.9	1514.2	1514.2
32.5°	1594.3	1600.2	1614.7	1635.7	1638.3	1639.6	1637.0	1629.1	1614.7	1588.4	1589.1
35°	1690.8	1697.4	1713.8	1730.8	1728.2	1730.8	1726.9	1724.3	1713.8	1683.6	1683.6
37.5°	1809.0	1816.8	1833.9	1847.0	1840.5	1837.2	1837.8	1838.5	1832.6	1799.1	1799.1
40°	1946.1	1956.6	1969.1	1982.9	1971.7	1961.9	1968.5	1973.7	1968.5	1934.3	1934.3
42.5°	2087.3	2102.4	2115.5	2135.2	2126.0	2113.5	2122.7	2128.6	2117.4	2080.7	2083.3
45°	2244.1	2258.6	2275.6	2305.2	2298.6	2285.5	2298.6	2299.9	2280.9	2237.6	2242.2
47.5°	2406.3	2421.3	2446.9	2486.3	2483.7	2469.3	2486.3	2477.1	2452.9	2401.0	2397.7
50°	2559.8	2580.8	2620.2	2675.4	2680.6	2662.9	2685.9	2668.1	2627.4	2562.5	2561.2
52.5°	2704.2	2726.6	2788.9	2863.7	2882.8	2859.8	2890.7	2859.8	2798.8	2715.4	2707.5
55°	2855.9	2880.8	2955.0	3052.8	3090.8	3073.8	3102.7	3056.1	2969.4	2868.3	2854.6
57.5°	3034.4	3049.5	3138.1	3254.3	3318.6	3322.5	3335.7	3256.9	3151.9	3037.0	3021.3
60°	3228.0	3249.0	3345.5	3484.7	3586.4	3619.2	3605.4	3488.6	3366.5	3234.6	3213.6
62.5°	3476.1	3499.1	3614.6	3781.3	3942.2	4023.5	3969.7	3800.4	3649.4	3491.2	3463.7
65°	3681.6	3707.2	3915.9	4213.2	4506.0	4669.4	4534.2	4222.4	3950.7	3727.5	3690.8
67.5°	3532.6	3564.1	3891.6	4437.7	5165.6	5653.3	5190.6	4504.7	3972.4	3669.8	3624.5
70°	3087.6	3117.1	3499.1	4166.6	5351.4	6420.0	5463.0	4289.4	3511.6	3172.9	3127.6
72.5°	2049.8	2145.0	2531.6	3332.4	4778.4	5940.8	4825.6	3264.8	2348.5	2045.2	1979.0
75°	680.0	756.1	1020.0	1727.6	3200.5	4443.0	3046.9	1528.7	808.0	581.5	550.0
77.5°	171.3	197.6	272.4	494.2	1276.6	2529.6	1149.3	403.7	219.9	153.6	137.2
80°	83.4	91.9	131.3	164.7	319.7	804.1	300.0	154.9	103.7	80.1	73.5
82.5°	45.9	46.6	74.2	93.2	118.8	208.1	123.4	90.6	59.7	48.6	48.6
85°	28.2	27.6	39.4	49.9	49.9	74.2	59.1	49.9	34.1	30.2	31.5
87.5°	11.2	11.2	14.4	15.8	13.8	19.0	15.1	16.4	13.1	12.5	13.1
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)