

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: P947711

Luminaire Tested: **GALN-SB3A-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947711
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-SB3A-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12855 lumens
Efficiency: N/A
Efficacy: 151.8 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): 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



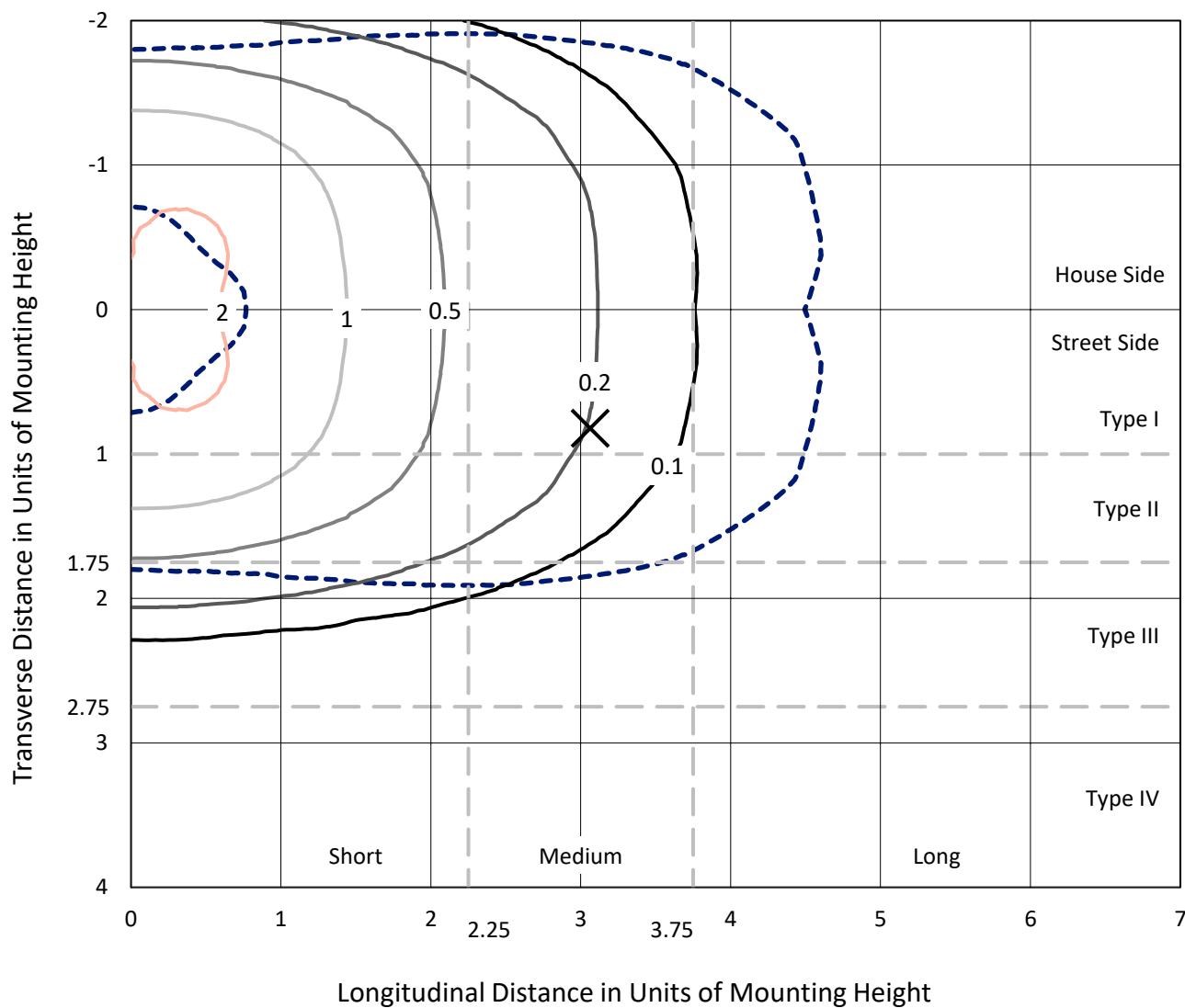
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Iso-Footcandle Lines of Horizontal Illumination

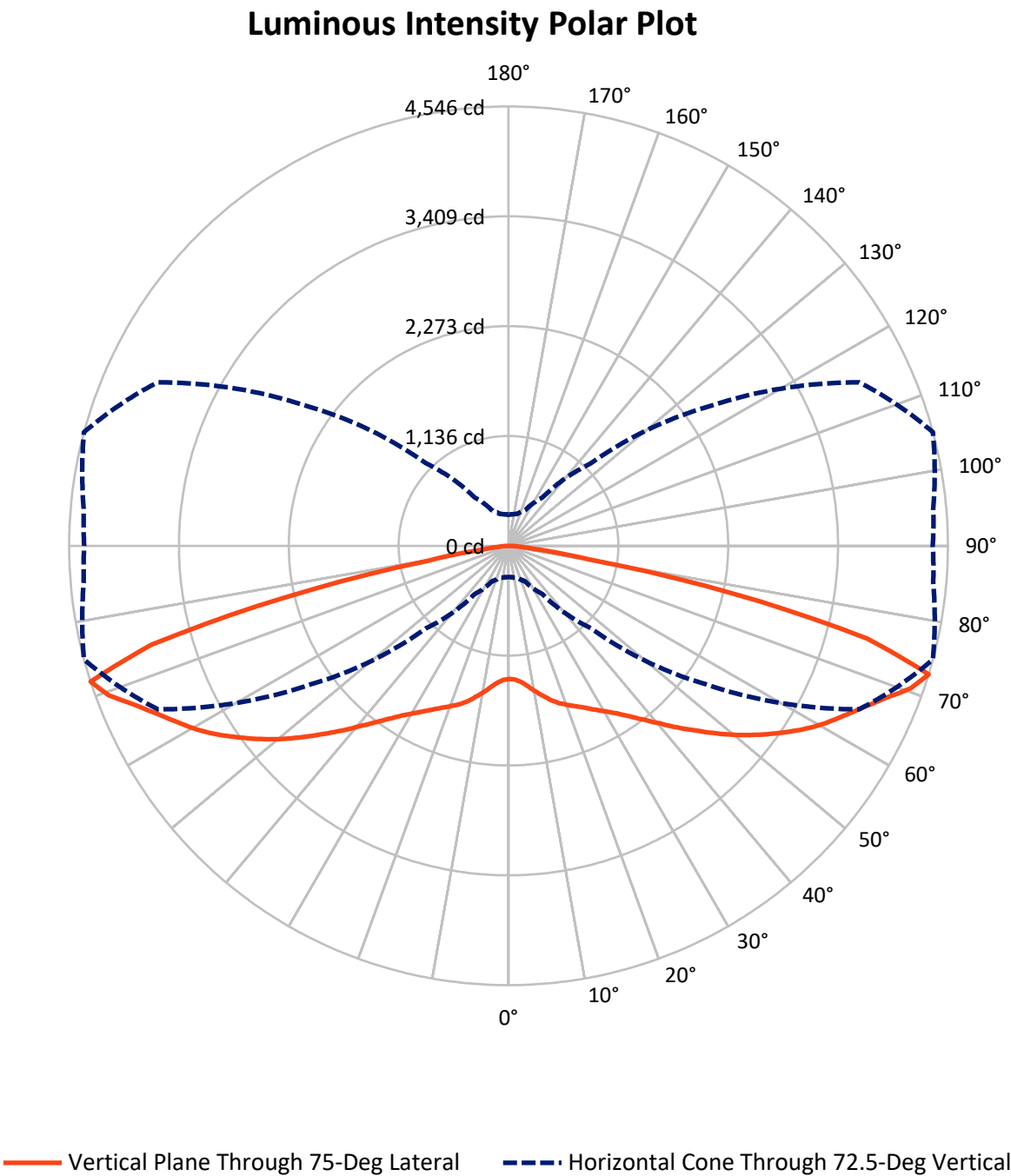
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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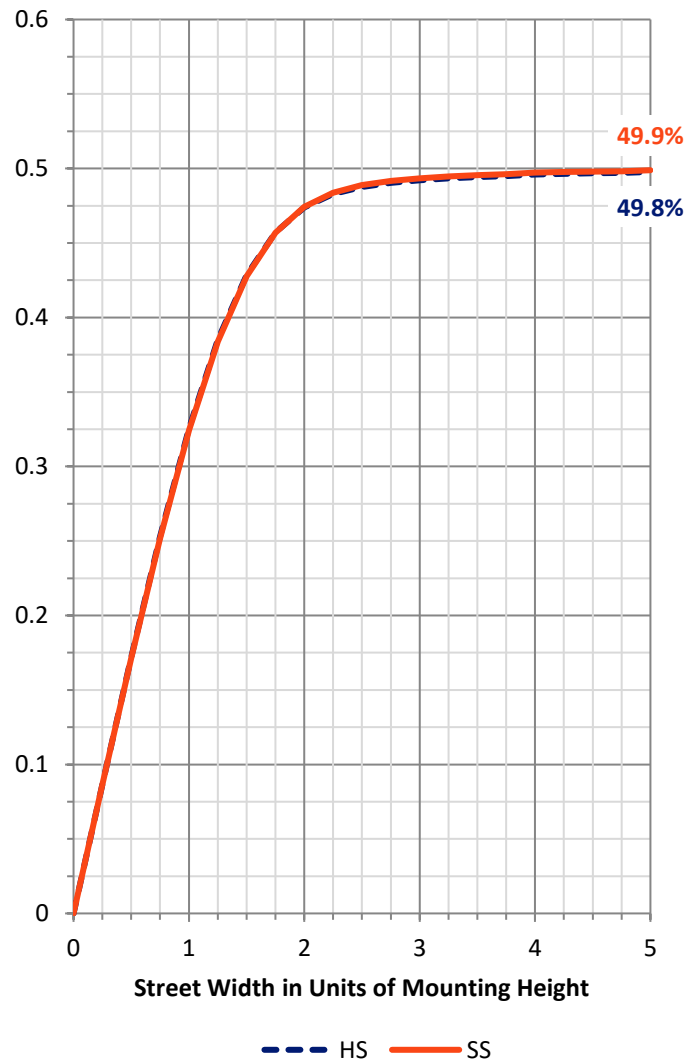
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6427.5	0.0	6427.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6427.5	0.0	6427.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12855.0	0.0	12855.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	1.0
10°-20°	444.9	3.5
20°-30°	859.7	6.7
30°-40°	1451.6	11.3
40°-50°	2302.0	17.9
50°-60°	3082.2	24.0
60°-70°	2933.2	22.8
70°-80°	1530.6	11.9
80°-90°	115.9	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°	12855.0	100.0
0°-180°	12855.0	100.0

Coefficient of Utilization



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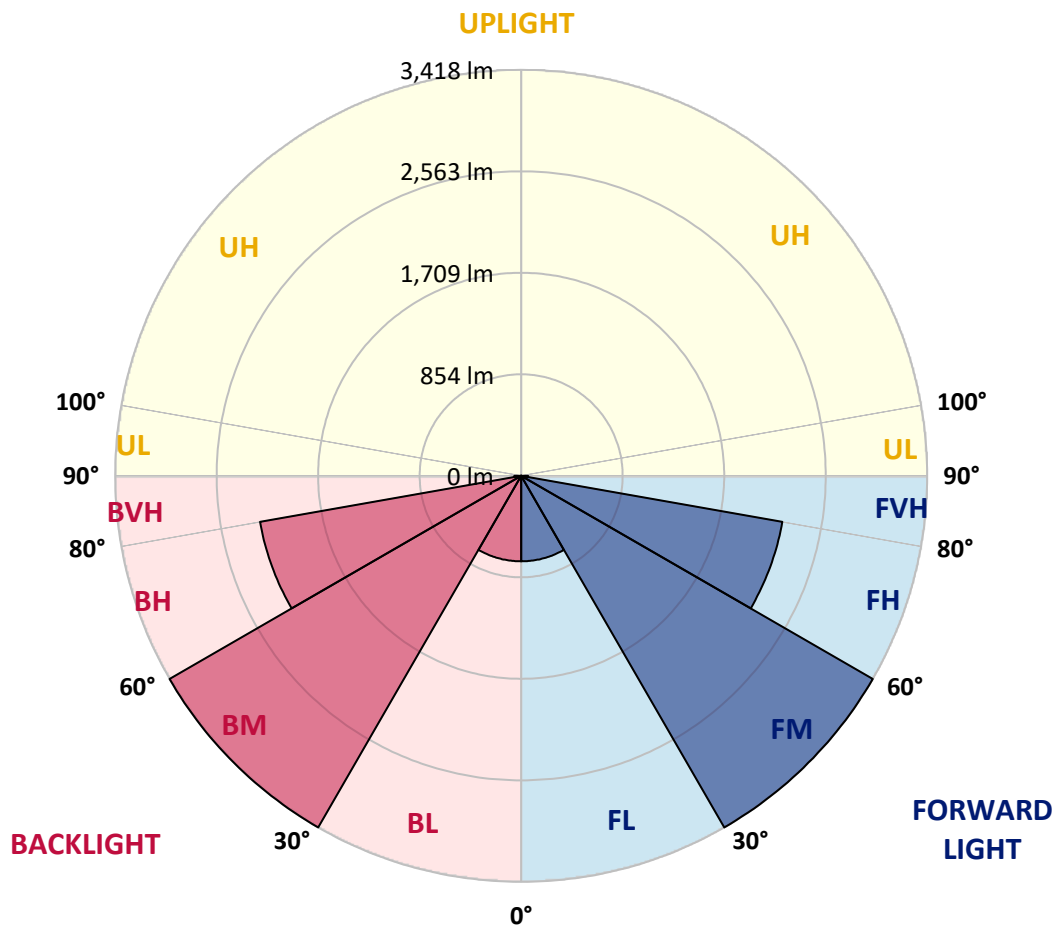
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	719.7	5.6			
FM	(30°-60°)	3417.9	26.6			
FH	(60°-80°)	2231.9	17.4			G2/5000
FVH	(80°-90°)	57.9	0.5			G1/100
BL	(0°-30°)	719.7	5.6	B2/1000		
BM	(30°-60°)	3417.9	26.6	B3/5000		
BH	(60°-80°)	2231.9	17.4	B3/2500		G3/2500
BVH	(80°-90°)	57.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0
2.5°	1377.0	1375.7	1377.0	1378.3	1377.7	1377.7	1380.9	1382.9	1386.8	1386.2	1385.5
5°	1367.8	1367.2	1372.4	1378.3	1382.9	1390.8	1400.6	1407.8	1417.0	1419.0	1419.0
7.5°	1363.2	1361.2	1370.4	1380.9	1395.4	1415.1	1434.1	1453.8	1469.5	1474.8	1476.1
10°	1366.5	1367.2	1379.6	1399.3	1422.3	1449.9	1476.8	1510.2	1532.6	1537.8	1543.1
12.5°	1381.6	1380.3	1401.3	1432.8	1464.3	1499.1	1530.6	1567.3	1591.6	1604.1	1609.3
15°	1409.2	1406.5	1436.1	1482.7	1528.6	1569.3	1594.9	1629.7	1657.9	1673.7	1679.6
17.5°	1442.0	1443.3	1482.0	1542.4	1602.8	1648.7	1673.0	1690.7	1712.4	1726.2	1732.7
20°	1499.7	1502.4	1545.7	1617.2	1686.1	1738.6	1758.3	1751.8	1757.7	1768.2	1776.1
22.5°	1577.2	1578.5	1627.1	1704.5	1776.7	1834.5	1847.6	1820.7	1804.3	1811.5	1816.7
25°	1667.1	1675.6	1724.2	1803.6	1877.8	1932.9	1938.8	1898.1	1857.4	1859.4	1862.7
27.5°	1776.7	1784.6	1833.8	1912.6	1988.1	2036.0	2035.3	1980.8	1921.1	1906.0	1910.6
30°	1895.5	1904.0	1954.6	2036.0	2106.2	2148.2	2139.0	2074.0	1988.7	1960.5	1963.8
32.5°	2036.6	2041.9	2093.1	2174.5	2239.4	2272.9	2253.9	2173.8	2067.5	2035.3	2043.2
35°	2207.3	2215.1	2253.2	2330.0	2387.1	2414.7	2382.5	2288.0	2168.5	2132.4	2137.7
37.5°	2402.2	2397.0	2440.3	2508.5	2555.8	2572.9	2528.9	2416.6	2284.1	2241.4	2249.3
40°	2605.7	2603.0	2650.3	2715.9	2741.5	2752.0	2687.1	2564.3	2417.3	2371.4	2386.5
42.5°	2790.1	2788.1	2851.8	2924.6	2955.5	2943.7	2861.6	2721.2	2571.5	2519.0	2532.2
45°	2937.8	2935.2	3013.3	3115.6	3176.0	3156.3	3046.1	2894.5	2727.7	2673.3	2685.7
47.5°	3051.3	3052.6	3136.6	3263.3	3369.0	3376.2	3234.4	3071.0	2899.7	2838.0	2856.4
50°	3133.4	3137.3	3227.2	3367.7	3512.1	3575.7	3426.7	3252.2	3077.6	3008.0	3029.0
52.5°	3153.7	3160.9	3269.2	3434.0	3604.0	3725.4	3622.3	3426.1	3246.3	3180.0	3197.0
55°	3045.4	3059.9	3197.0	3428.7	3660.4	3823.8	3794.3	3602.6	3416.2	3348.0	3367.0
57.5°	2796.7	2817.0	2977.2	3279.7	3647.9	3891.4	3927.5	3772.0	3586.2	3520.6	3535.7
60°	2448.1	2472.4	2626.0	2956.2	3472.0	3916.4	4021.4	3936.7	3742.4	3678.8	3692.6
62.5°	1922.4	1953.9	2137.7	2524.9	3100.5	3800.2	4101.5	4085.7	3882.9	3803.5	3812.7
65°	1233.3	1266.7	1460.4	1917.8	2605.0	3444.5	4126.4	4230.8	4031.2	3920.3	3934.1
67.5°	743.6	758.7	854.6	1162.4	1904.0	2908.2	3915.1	4391.6	4204.5	4066.7	4077.2
70°	475.8	484.4	541.5	682.6	1076.4	2121.9	3391.3	4421.8	4414.5	4217.0	4215.7
72.5°	322.9	325.5	340.6	404.3	609.1	1205.7	2501.3	4003.0	4545.8	4410.6	4389.6
75°	236.3	250.7	275.0	286.2	345.9	602.5	1433.4	2812.4	3831.1	3890.1	3747.0
77.5°	175.9	176.6	210.0	223.2	246.8	321.0	606.5	1570.0	2378.6	2497.4	2227.6
80°	149.0	141.1	140.5	179.8	185.7	200.2	271.1	542.1	851.9	516.5	390.5
82.5°	124.0	115.5	104.4	140.5	126.7	122.7	117.5	220.5	271.1	133.2	113.5
85°	86.6	82.7	78.8	91.9	72.2	61.7	56.4	103.0	114.2	56.4	49.9
87.5°	37.4	38.7	39.4	40.7	30.2	21.7	21.7	28.9	28.9	22.3	16.4
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)