

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: P949454

Luminaire Tested: **GALN-SB4A-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949454
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-SB4A-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12878 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

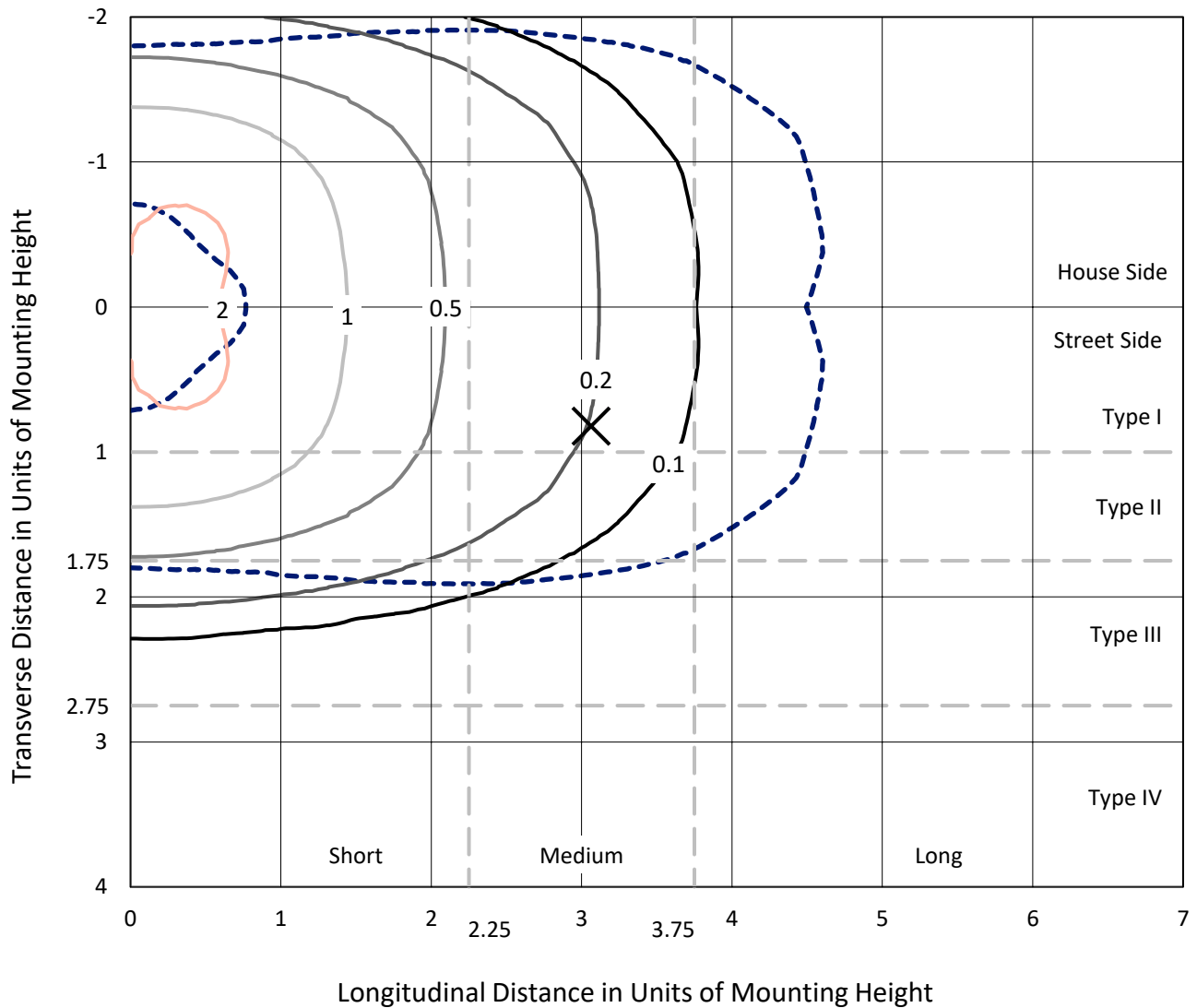
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

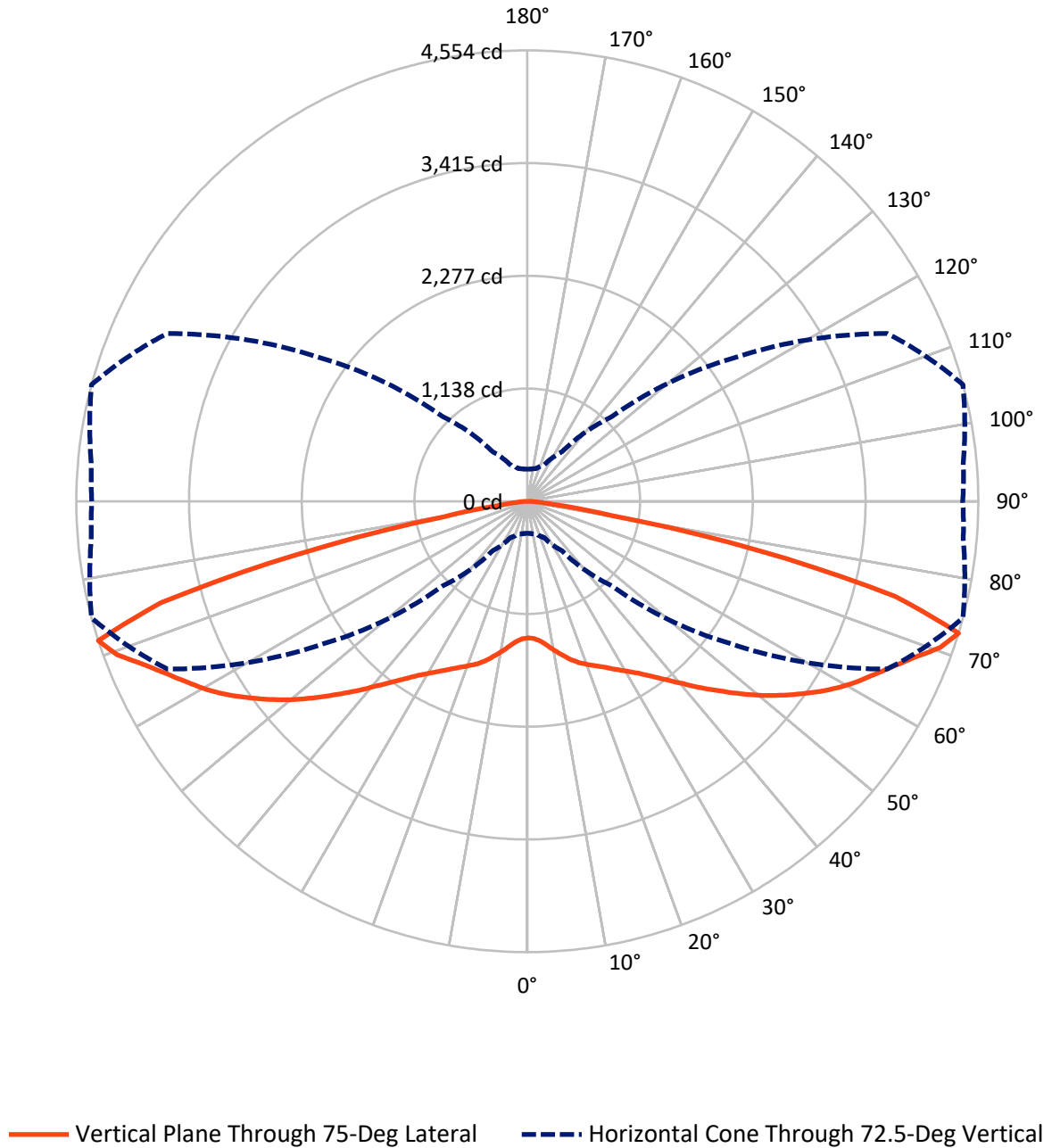
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6439.0	0.0	6439.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6439.0	0.0	6439.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12878.0	0.0	12878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	1.0
10°-20°	445.7	3.5
20°-30°	861.2	6.7
30°-40°	1454.2	11.3
40°-50°	2306.2	17.9
50°-60°	3087.7	24.0
60°-70°	2938.5	22.8
70°-80°	1533.4	11.9
80°-90°	116.1	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°	12878.0	100.0
0°-180°	12878.0	100.0

Coefficient of Utilization



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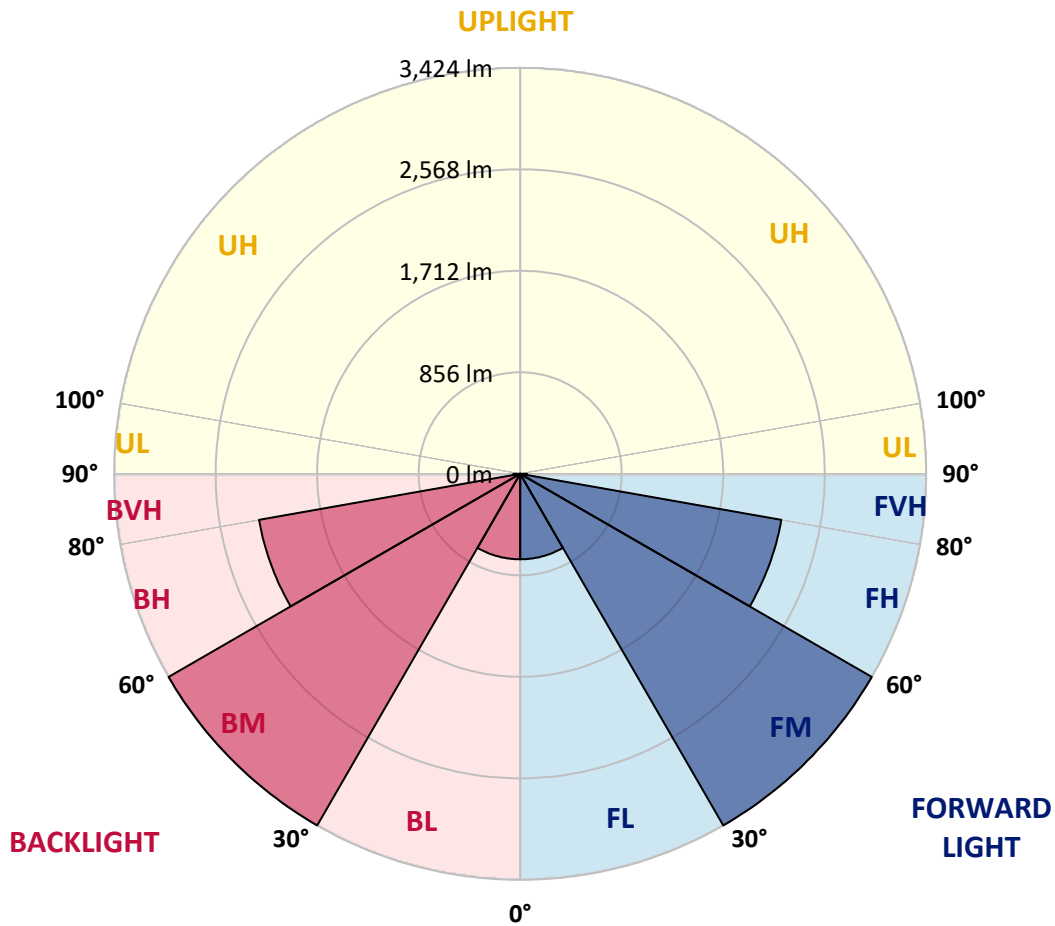
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.0	5.6			
FM (30°-60°)	3424.0	26.6			
FH (60°-80°)	2235.9	17.4			G2/5000
FVH (80°-90°)	58.0	0.5			G1/100
BL (0°-30°)	721.0	5.6	B2/1000		
BM (30°-60°)	3424.0	26.6	B3/5000		
BH (60°-80°)	2235.9	17.4	B3/2500		G3/2500
BVH (80°-90°)	58.0	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°	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5
2.5°	1379.5	1378.1	1379.5	1380.8	1380.1	1380.1	1383.4	1385.4	1389.3	1388.7
5°	1370.3	1369.6	1374.9	1380.8	1385.4	1393.3	1403.1	1410.4	1419.6	1421.5
7.5°	1365.7	1363.7	1372.9	1383.4	1397.9	1417.6	1436.7	1456.4	1472.2	1477.4
10°	1368.9	1369.6	1382.1	1401.8	1424.8	1452.4	1479.4	1512.9	1535.3	1540.6
12.5°	1384.1	1382.8	1403.8	1435.4	1466.9	1501.8	1533.3	1570.1	1594.5	1607.0
15°	1411.7	1409.1	1438.6	1485.3	1531.4	1572.1	1597.8	1632.6	1660.9	1676.7
17.5°	1444.6	1445.9	1484.7	1545.2	1605.6	1651.7	1676.0	1693.8	1715.5	1729.3
20°	1502.4	1505.0	1548.4	1620.1	1689.2	1741.8	1761.5	1754.9	1760.8	1771.3
22.5°	1580.0	1581.3	1630.0	1707.6	1779.9	1837.8	1850.9	1823.9	1807.5	1814.7
25°	1670.1	1678.6	1727.3	1806.8	1881.1	1936.4	1942.3	1901.5	1860.8	1862.7
27.5°	1779.9	1787.8	1837.1	1916.0	1991.6	2039.6	2039.0	1984.4	1924.5	1909.4
30°	1898.9	1907.4	1958.1	2039.6	2110.0	2152.0	2142.8	2077.7	1992.3	1964.0
32.5°	2040.3	2045.5	2096.8	2178.3	2243.4	2277.0	2257.9	2177.7	2071.2	2039.0
35°	2211.2	2219.1	2257.2	2334.2	2391.4	2419.0	2386.8	2292.1	2172.4	2136.3
37.5°	2406.5	2401.2	2444.6	2513.0	2560.4	2577.5	2533.4	2421.0	2288.1	2245.4
40°	2610.3	2607.7	2655.0	2720.8	2746.4	2757.0	2691.9	2568.9	2421.6	2375.6
42.5°	2795.1	2793.1	2856.9	2929.9	2960.8	2949.0	2866.8	2726.1	2576.1	2523.5
45°	2943.0	2940.4	3018.6	3121.2	3181.7	3162.0	3051.5	2899.6	2732.6	2678.1
47.5°	3056.8	3058.1	3142.3	3269.2	3375.0	3382.3	3240.2	3076.5	2904.9	2843.1
50°	3139.0	3142.9	3233.0	3373.7	3518.4	3582.1	3432.9	3258.0	3083.1	3013.4
52.5°	3159.4	3166.6	3275.1	3440.1	3610.4	3732.0	3628.8	3432.2	3252.1	3185.7
55°	3050.9	3065.3	3202.8	3434.9	3667.0	3830.7	3801.1	3609.1	3422.4	3354.0
57.5°	2801.7	2822.1	2982.5	3285.6	3654.5	3898.4	3934.6	3778.7	3592.7	3526.9
60°	2452.5	2476.9	2630.7	2961.4	3478.2	3923.4	4028.6	3943.8	3749.1	3685.4
62.5°	1925.9	1957.4	2141.5	2529.5	3106.1	3807.0	4108.8	4093.0	3889.9	3810.3
65°	1235.5	1269.0	1463.0	1921.3	2609.7	3450.6	4133.8	4238.3	4038.5	3927.3
67.5°	745.0	760.1	856.1	1164.5	1907.4	2913.4	3922.1	4399.4	4212.0	4074.0
70°	476.7	485.2	542.4	683.8	1078.3	2125.7	3397.4	4429.7	4422.4	4224.5
72.5°	323.5	326.1	341.2	405.0	610.2	1207.9	2505.8	4010.2	4553.9	4418.5
75°	236.7	251.2	275.5	286.7	346.5	603.6	1436.0	2817.4	3837.9	3897.1
77.5°	176.2	176.9	210.4	223.6	247.2	321.5	607.5	1572.8	2382.8	2501.8
80°	149.3	141.4	140.7	180.2	186.1	200.5	271.6	543.1	853.5	517.5
82.5°	124.3	115.7	104.5	140.7	126.9	123.0	117.7	220.9	271.6	133.5
85°	86.8	82.8	78.9	92.1	72.3	61.8	56.5	103.2	114.4	56.5
87.5°	37.5	38.8	39.5	40.8	30.2	21.7	21.7	28.9	28.9	22.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1379.5
1388.0
1421.5
1478.7
1545.8
1612.2
1682.6
1735.8
1779.2
1820.0
1866.0
1914.0
1967.3
2046.8
2141.5
2253.3
2390.7
2536.7
2690.5
2861.5
3034.4
3202.8
3373.0
3542.0
3699.2
3819.5
3941.1
4084.5
4223.2
4397.5
3753.7
2231.6
391.2
113.7
50.0
16.4
0.0

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