

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: P949811

Luminaire Tested: **GALN-SB4B-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949811
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-SB4B-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16167 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

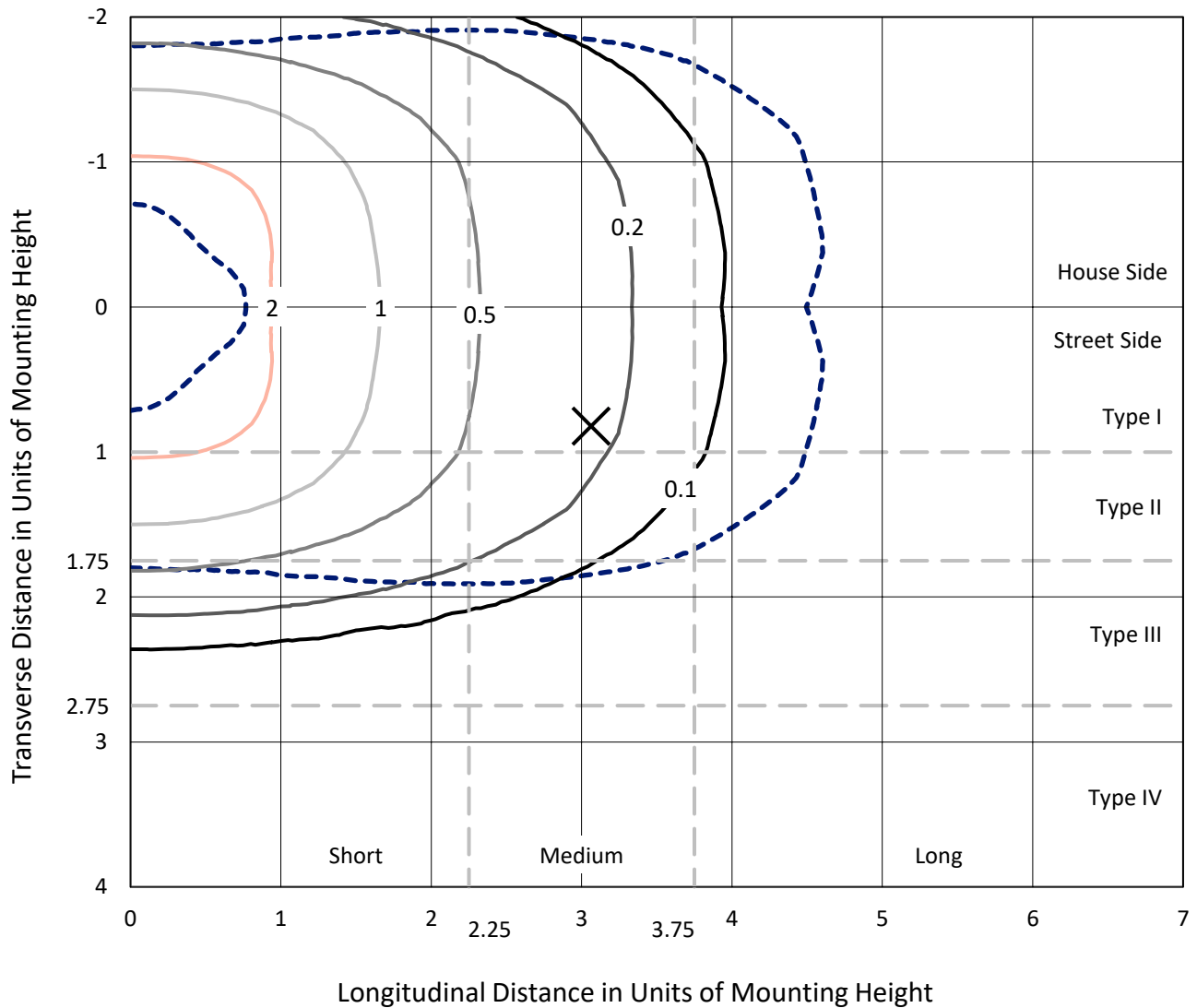
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

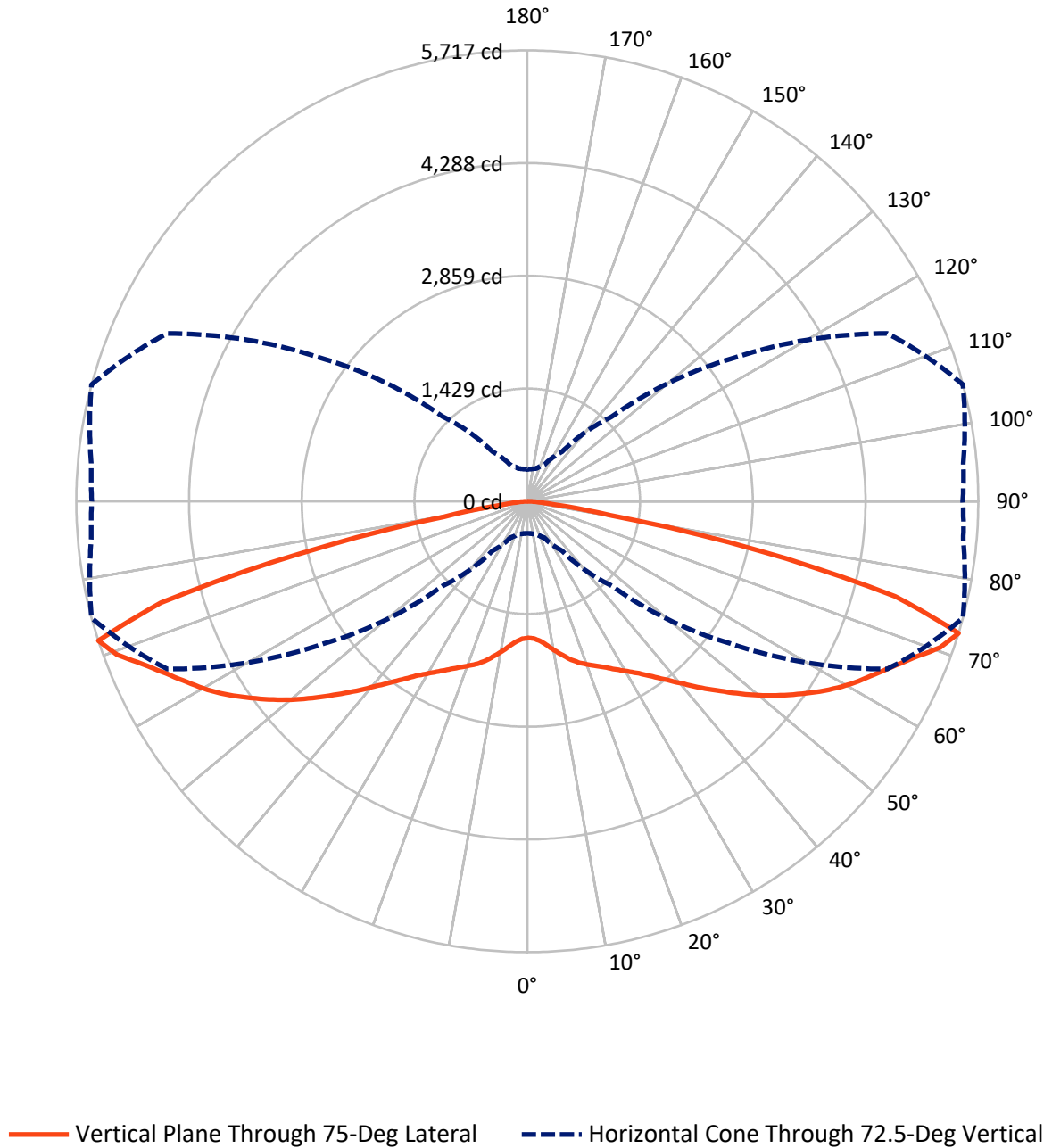
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	8083.5	0.0	8083.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8083.5	0.0	8083.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16167.0	0.0	16167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	1.0
10°-20°	559.5	3.5
20°-30°	1081.1	6.7
30°-40°	1825.6	11.3
40°-50°	2895.2	17.9
50°-60°	3876.3	24.0
60°-70°	3689.0	22.8
70°-80°	1925.0	11.9
80°-90°	145.7	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°	16167.0	100.0
0°-180°	16167.0	100.0

Coefficient of Utilization



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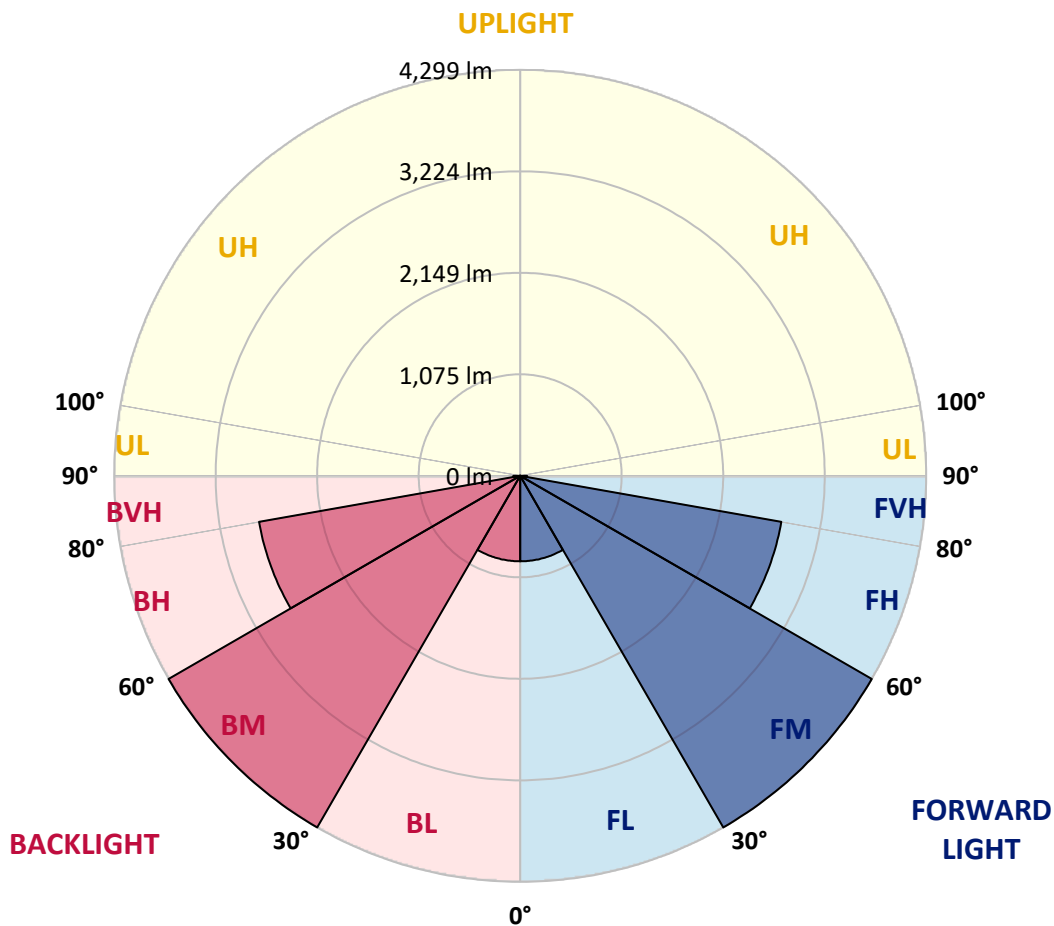
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.2	5.6			
FM (30°-60°)	4298.5	26.6			
FH (60°-80°)	2807.0	17.4			G2/5000
FVH (80°-90°)	72.9	0.5			G1/100
BL (0°-30°)	905.2	5.6	B2/1000		
BM (30°-60°)	4298.5	26.6	B3/5000		
BH (60°-80°)	2807.0	17.4	B4/5000		G4/5000
BVH (80°-90°)	72.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8
2.5°	1731.8	1730.1	1731.8	1733.4	1732.6	1732.6	1736.7	1739.2	1744.2	1743.3
5°	1720.2	1719.4	1726.0	1733.4	1739.2	1749.1	1761.5	1770.6	1782.1	1784.6
7.5°	1714.4	1712.0	1723.5	1736.7	1754.9	1779.7	1803.6	1828.4	1848.2	1854.8
10°	1718.6	1719.4	1735.1	1759.8	1788.7	1823.4	1857.2	1899.3	1927.4	1934.0
12.5°	1737.6	1735.9	1762.3	1801.9	1841.6	1885.3	1924.9	1971.2	2001.7	2017.4
15°	1772.2	1768.9	1806.1	1864.7	1922.5	1973.6	2005.8	2049.6	2085.1	2104.9
17.5°	1813.5	1815.1	1863.8	1939.8	2015.7	2073.5	2104.0	2126.3	2153.6	2170.9
20°	1886.1	1889.4	1943.9	2033.9	2120.6	2186.6	2211.4	2203.1	2210.5	2223.7
22.5°	1983.5	1985.2	2046.3	2143.7	2234.5	2307.1	2323.6	2289.8	2269.1	2278.2
25°	2096.6	2107.4	2168.4	2268.3	2361.6	2430.9	2438.4	2387.2	2336.0	2338.5
27.5°	2234.5	2244.4	2306.3	2405.3	2500.3	2560.5	2559.7	2491.2	2416.1	2397.1
30°	2383.9	2394.6	2458.2	2560.5	2648.8	2701.7	2690.1	2608.4	2501.1	2465.6
32.5°	2561.3	2567.9	2632.3	2734.7	2816.4	2858.5	2834.6	2733.9	2600.1	2559.7
35°	2776.0	2785.9	2833.7	2930.3	3002.1	3036.8	2996.4	2877.5	2727.3	2681.9
37.5°	3021.1	3014.5	3069.0	3154.8	3214.3	3235.7	3180.4	3039.3	2872.5	2818.9
40°	3277.0	3273.7	3333.1	3415.7	3447.9	3461.1	3379.4	3225.0	3040.1	2982.3
42.5°	3508.9	3506.5	3586.5	3678.2	3717.0	3702.1	3598.9	3422.3	3234.1	3168.0
45°	3694.7	3691.4	3789.6	3918.4	3994.3	3969.5	3830.9	3640.2	3430.5	3362.0
47.5°	3837.5	3839.1	3944.8	4104.1	4237.0	4246.1	4067.8	3862.2	3646.8	3569.2
50°	3940.7	3945.6	4058.7	4235.3	4416.9	4497.0	4309.6	4090.1	3870.5	3783.0
52.5°	3966.2	3975.3	4111.5	4318.7	4532.5	4685.2	4555.6	4308.8	4082.6	3999.3
55°	3830.0	3848.2	4020.7	4312.1	4603.5	4809.0	4771.9	4530.8	4296.4	4210.6
57.5°	3517.2	3542.8	3744.2	4124.7	4587.8	4894.0	4939.4	4743.8	4510.2	4427.7
60°	3078.9	3109.4	3302.6	3717.8	4366.6	4925.4	5057.5	4951.0	4706.7	4626.6
62.5°	2417.7	2457.3	2688.5	3175.5	3899.4	4779.3	5158.2	5138.4	4883.3	4783.4
65°	1551.0	1593.1	1836.6	2411.9	3276.2	4331.9	5189.5	5320.8	5069.9	4930.4
67.5°	935.2	954.2	1074.7	1461.9	2394.6	3657.5	4923.8	5523.0	5287.8	5114.4
70°	598.4	609.2	681.0	858.5	1353.7	2668.7	4265.1	5561.0	5551.9	5303.5
72.5°	406.1	409.4	428.4	508.5	766.0	1516.3	3145.8	5034.4	5717.0	5547.0
75°	297.2	315.3	345.9	359.9	435.0	757.8	1802.8	3537.0	4818.1	4892.4
77.5°	221.2	222.0	264.1	280.6	310.4	403.6	762.7	1974.5	2991.4	3140.8
80°	187.4	177.5	176.6	226.2	233.6	251.8	340.9	681.8	1071.4	649.6
82.5°	156.0	145.3	131.2	176.6	159.3	154.4	147.8	277.3	340.9	167.6
85°	109.0	104.0	99.1	115.6	90.8	77.6	71.0	129.6	143.6	71.0
87.5°	47.1	48.7	49.5	51.2	38.0	27.2	27.2	36.3	36.3	28.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1731.8
1742.5
1784.6
1856.4
1940.6
2024.0
2112.3
2179.2
2233.6
2284.8
2342.6
2402.9
2469.7
2569.6
2688.5
2828.8
3001.3
3184.6
3377.7
3592.3
3809.4
4020.7
4234.5
4446.7
4643.9
4795.0
4947.7
5127.6
5301.8
5520.5
4712.4
2801.5
491.1
142.8
62.7
20.6
0.0

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