

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: P950840

Luminaire Tested: **GALN-SB5A-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950840
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-SB5A-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16232 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

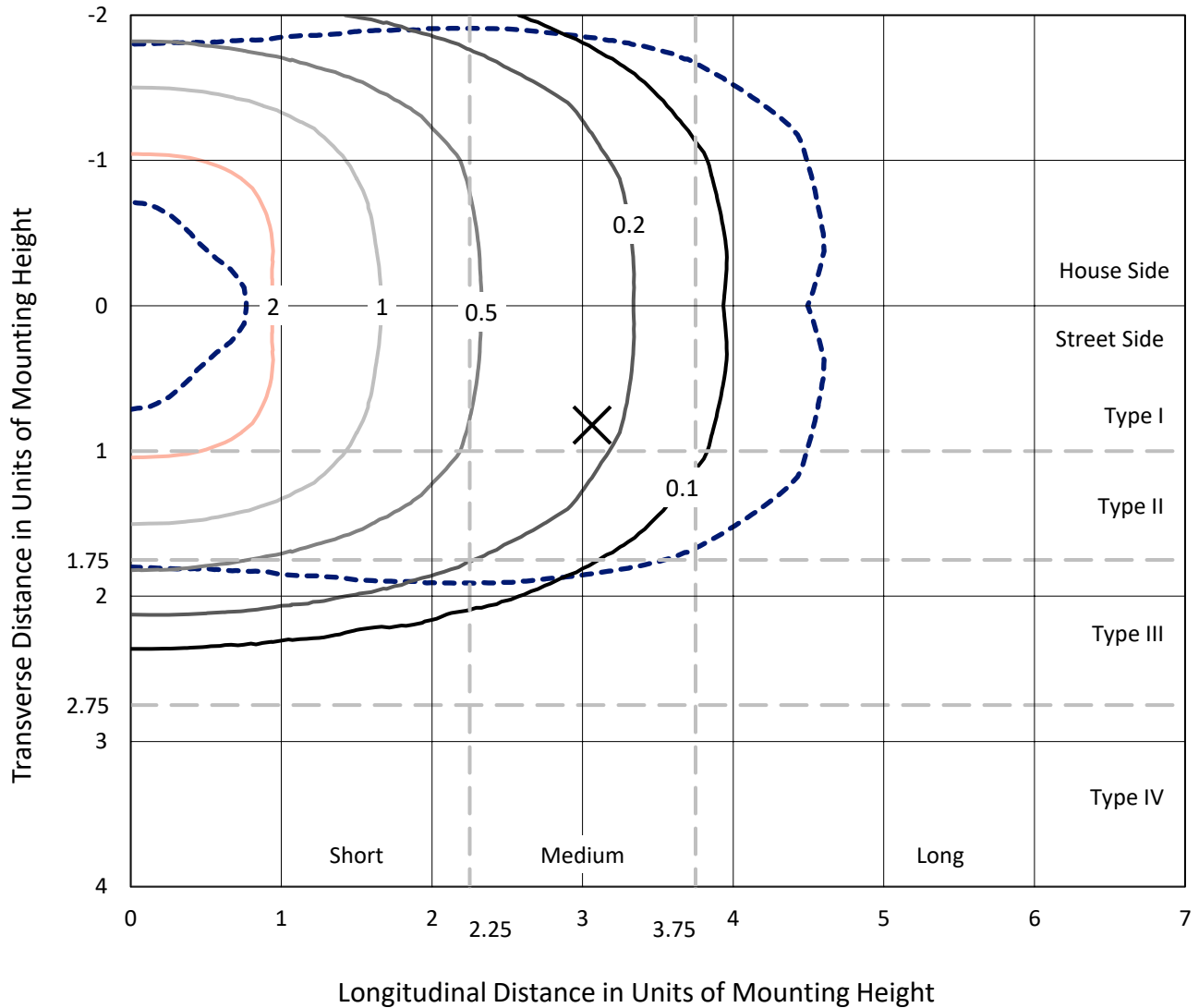
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

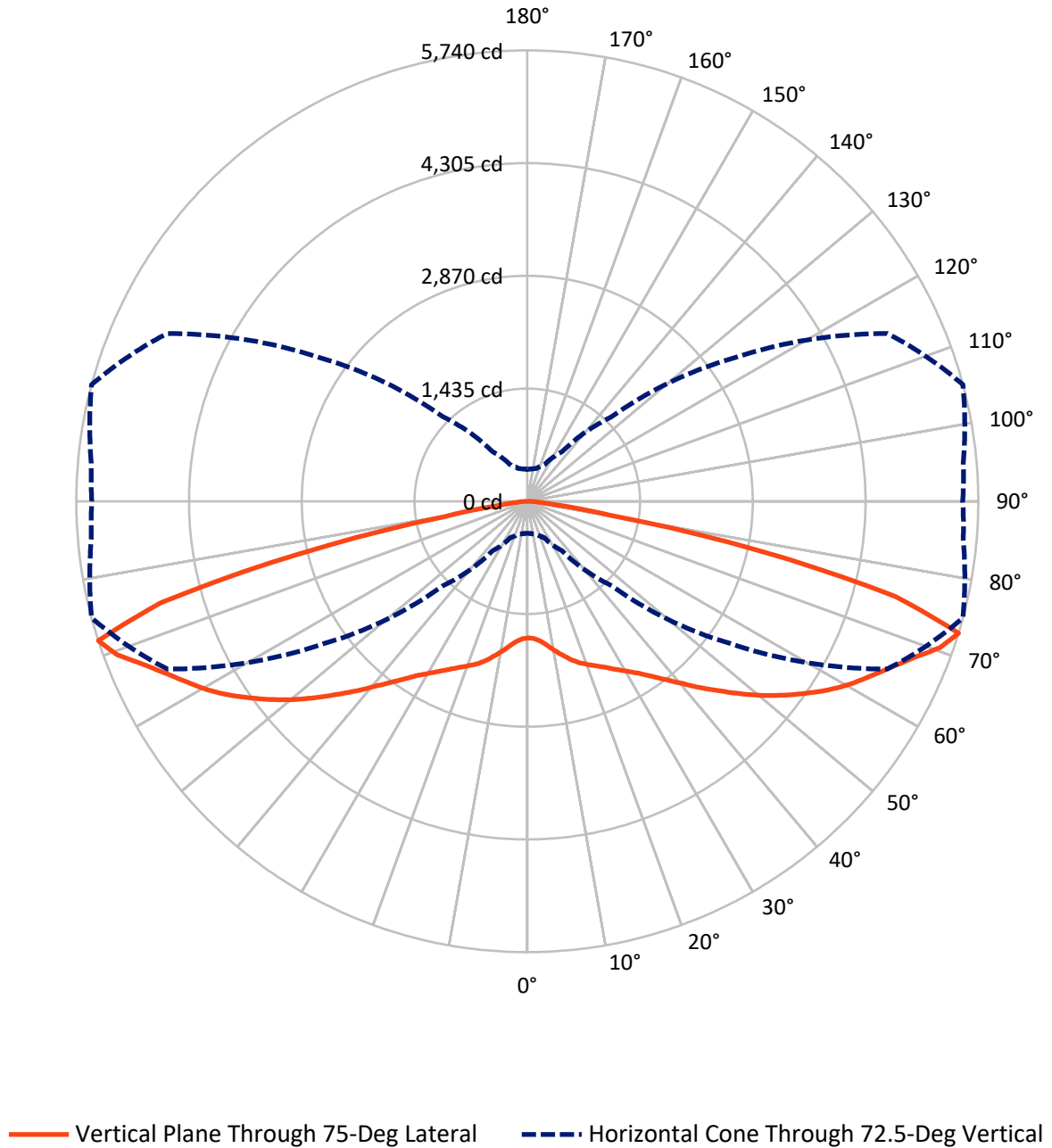
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	8116.0	0.0	8116.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8116.0	0.0	8116.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16232.0	0.0	16232.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	1.0
10°-20°	561.8	3.5
20°-30°	1085.5	6.7
30°-40°	1832.9	11.3
40°-50°	2906.8	17.9
50°-60°	3891.9	24.0
60°-70°	3703.8	22.8
70°-80°	1932.7	11.9
80°-90°	146.3	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°	16232.0	100.0
0°-180°	16232.0	100.0

Coefficient of Utilization



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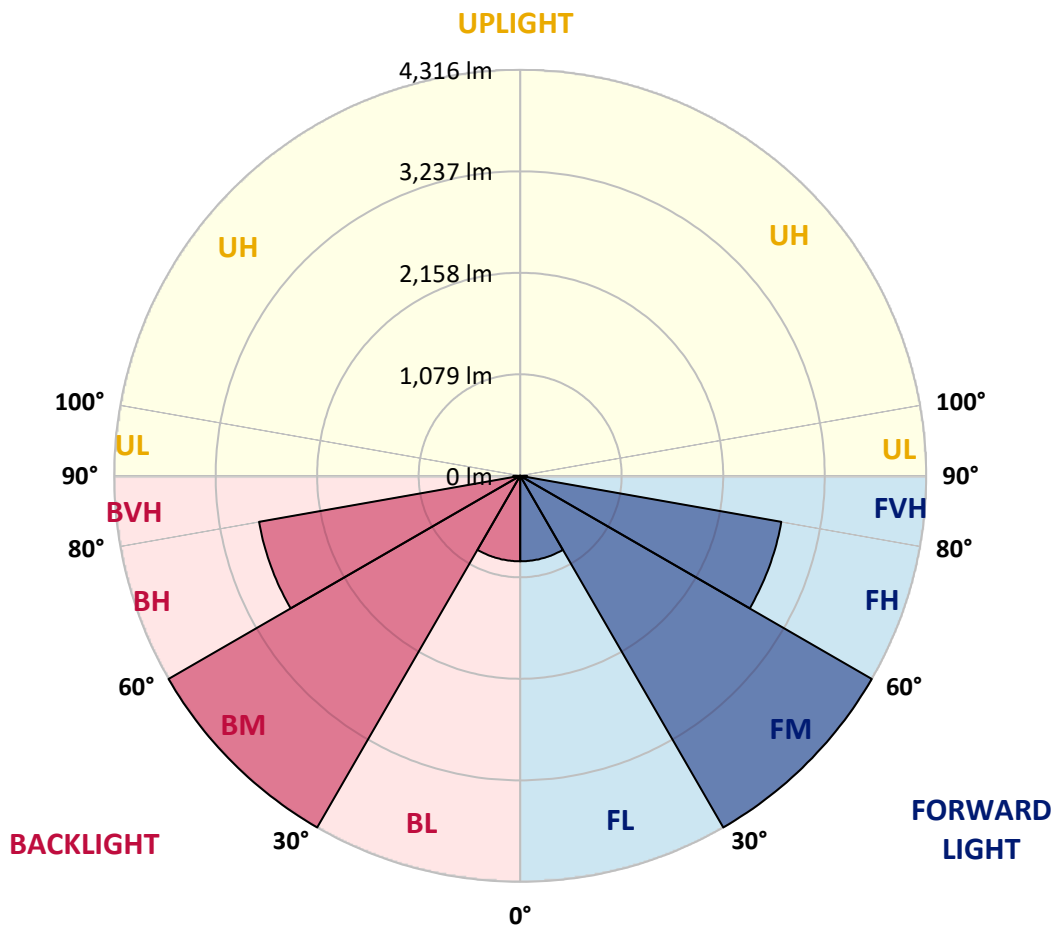
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	908.8	5.6			
FM (30°-60°)	4315.8	26.6			
FH (60°-80°)	2818.3	17.4			G2/5000
FVH (80°-90°)	73.2	0.5			G1/100
BL (0°-30°)	908.8	5.6	B2/1000		
BM (30°-60°)	4315.8	26.6	B3/5000		
BH (60°-80°)	2818.3	17.4	B4/5000		G4/5000
BVH (80°-90°)	73.2	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°	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7
2.5°	1738.7	1737.1	1738.7	1740.4	1739.6	1739.6	1743.7	1746.2	1751.2	1750.3
5°	1727.1	1726.3	1732.9	1740.4	1746.2	1756.1	1768.6	1777.7	1789.3	1791.8
7.5°	1721.3	1718.8	1730.5	1743.7	1761.9	1786.8	1810.8	1835.7	1855.6	1862.2
10°	1725.5	1726.3	1742.1	1766.9	1795.9	1830.7	1864.7	1907.0	1935.2	1941.8
12.5°	1744.5	1742.9	1769.4	1809.2	1849.0	1892.9	1932.7	1979.1	2009.7	2025.5
15°	1779.3	1776.0	1813.3	1872.2	1930.2	1981.6	2013.9	2057.8	2093.4	2113.3
17.5°	1820.8	1822.4	1871.3	1947.6	2023.8	2081.8	2112.5	2134.9	2162.2	2179.6
20°	1893.7	1897.0	1951.7	2042.1	2129.1	2195.4	2220.2	2212.0	2219.4	2232.7
22.5°	1991.5	1993.2	2054.5	2152.3	2243.5	2316.4	2333.0	2299.0	2278.3	2287.4
25°	2105.0	2115.8	2177.2	2277.4	2371.1	2440.7	2448.2	2396.8	2345.4	2347.9
27.5°	2243.5	2253.4	2315.6	2415.0	2510.3	2570.8	2570.0	2501.2	2425.8	2406.7
30°	2393.5	2404.2	2468.0	2570.8	2659.5	2712.5	2700.9	2618.9	2511.1	2475.5
32.5°	2571.6	2578.3	2642.9	2745.7	2827.7	2870.0	2846.0	2744.9	2610.6	2570.0
35°	2787.1	2797.1	2845.1	2942.1	3014.2	3049.0	3008.4	2889.1	2738.2	2692.6
37.5°	3033.3	3026.6	3081.3	3167.5	3227.2	3248.7	3193.2	3051.5	2884.1	2830.2
40°	3290.2	3286.9	3346.5	3429.4	3461.7	3475.0	3392.9	3238.0	3052.3	2994.3
42.5°	3523.1	3520.6	3601.0	3693.0	3731.9	3717.0	3613.4	3436.0	3247.1	3180.8
45°	3709.5	3706.2	3804.8	3934.1	4010.4	3985.5	3846.3	3654.8	3444.3	3375.5
47.5°	3852.9	3854.6	3960.6	4120.6	4254.0	4263.1	4084.1	3877.8	3661.5	3583.6
50°	3956.5	3961.5	4075.0	4252.4	4434.7	4515.1	4327.0	4106.5	3886.1	3798.2
52.5°	3982.2	3991.3	4128.1	4336.1	4550.7	4704.0	4573.9	4326.1	4099.0	4015.3
55°	3845.4	3863.7	4036.9	4329.4	4622.0	4828.4	4791.1	4549.1	4313.7	4227.5
57.5°	3531.3	3557.0	3759.3	4141.3	4606.2	4913.7	4959.3	4762.9	4528.3	4445.5
60°	3091.3	3121.9	3315.9	3732.7	4384.1	4945.2	5077.8	4970.9	4725.6	4645.2
62.5°	2427.4	2467.2	2699.3	3188.2	3915.1	4798.5	5178.9	5159.0	4902.9	4802.7
65°	1557.2	1599.5	1844.0	2421.6	3289.3	4349.3	5210.4	5342.2	5090.2	4950.2
67.5°	939.0	958.0	1079.0	1467.7	2404.2	3672.2	4943.6	5545.2	5309.0	5135.0
70°	600.9	611.6	683.7	861.9	1359.2	2679.4	4282.2	5583.4	5574.2	5324.8
72.5°	407.7	411.1	430.1	510.5	769.1	1522.4	3158.4	5054.6	5740.0	5569.3
75°	298.4	316.6	347.3	361.3	436.8	760.8	1810.0	3551.2	4837.5	4912.1
77.5°	222.1	222.9	265.2	281.8	311.6	405.3	765.8	1982.4	3003.4	3153.4
80°	188.1	178.2	177.4	227.1	234.5	252.8	342.3	684.6	1075.7	652.2
82.5°	156.6	145.9	131.8	177.4	160.0	155.0	148.3	278.5	342.3	168.2
85°	109.4	104.4	99.5	116.0	91.2	77.9	71.3	130.1	144.2	71.3
87.5°	47.2	48.9	49.7	51.4	38.1	27.3	27.3	36.5	36.5	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1738.7
1749.5
1791.8
1863.9
1948.4
2032.1
2120.8
2187.9
2242.6
2294.0
2352.0
2412.5
2479.6
2579.9
2699.3
2840.2
3013.4
3197.4
3391.3
3606.8
3824.7
4036.9
4251.5
4464.5
4662.6
4814.3
4967.6
5148.3
5323.1
5542.7
4731.4
2812.8
493.1
143.4
63.0
20.7
0.0

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