

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: P951155

Luminaire Tested: **GALN-SB5B-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951155
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-SB5B-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17829 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

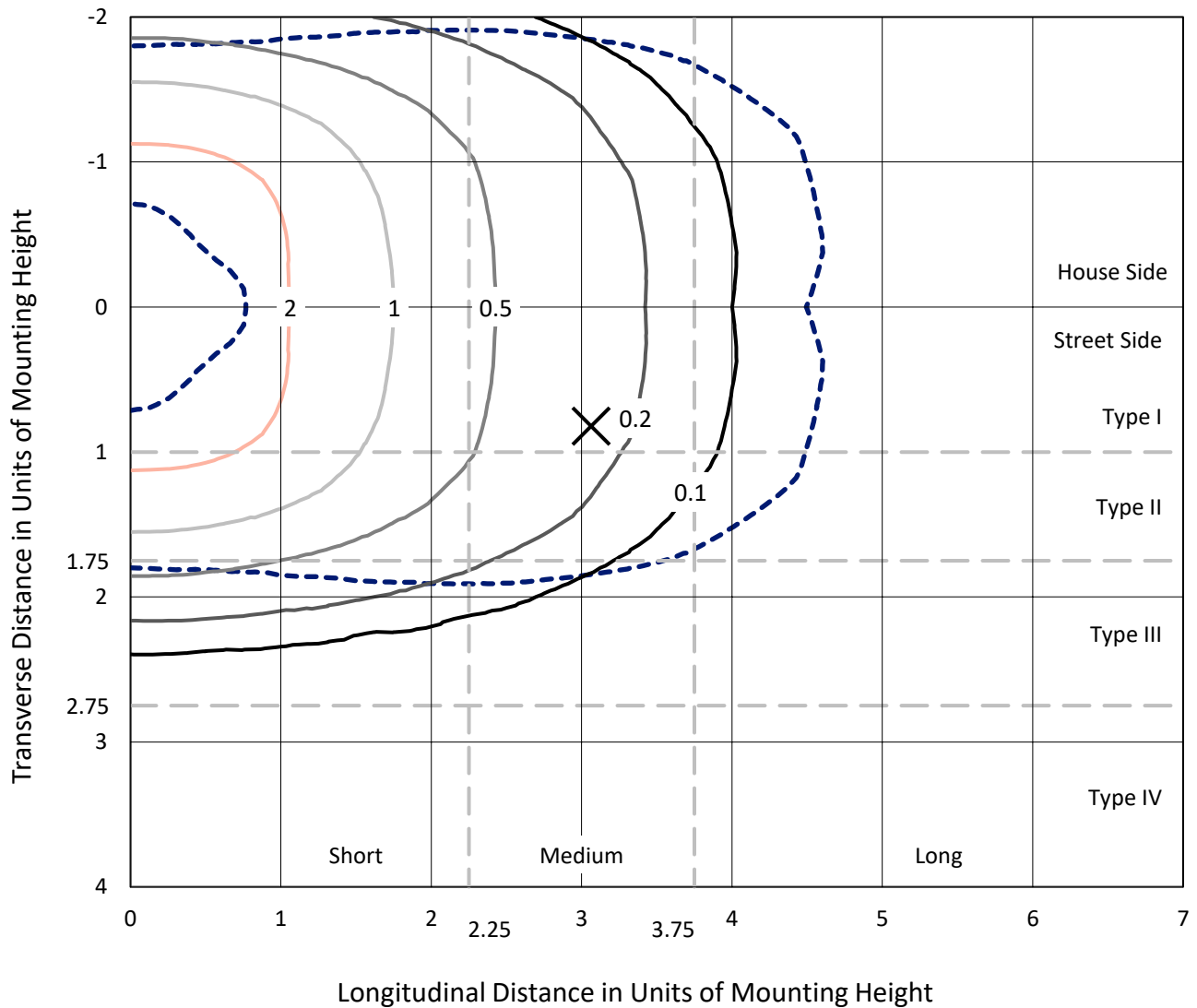
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

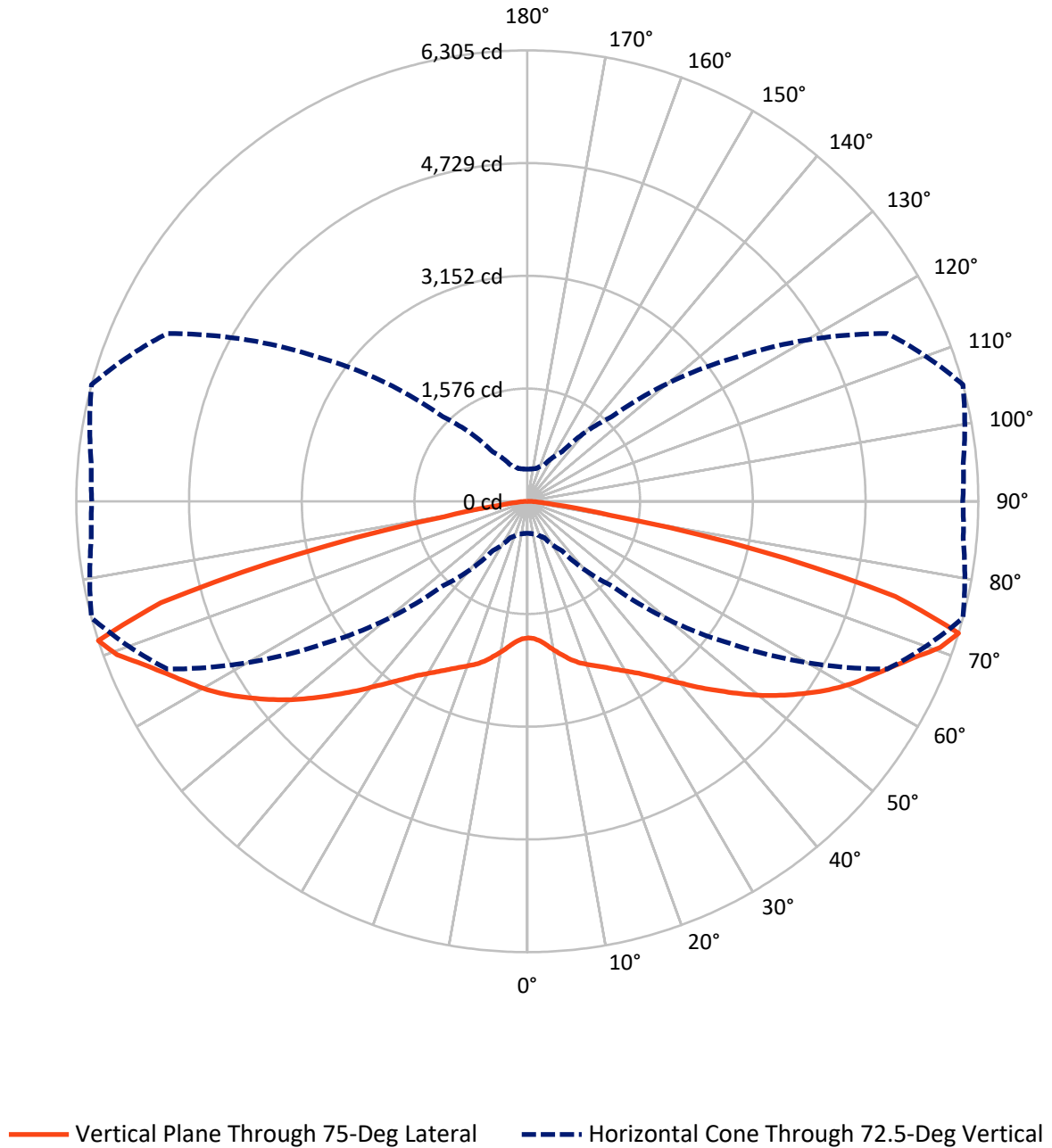
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	8914.5	0.0	8914.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8914.5	0.0	8914.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17829.0	0.0	17829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	1.0
10°-20°	617.0	3.5
20°-30°	1192.3	6.7
30°-40°	2013.3	11.3
40°-50°	3192.8	17.9
50°-60°	4274.8	24.0
60°-70°	4068.2	22.8
70°-80°	2122.9	11.9
80°-90°	160.7	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°	17829.0	100.0
0°-180°	17829.0	100.0

Coefficient of Utilization



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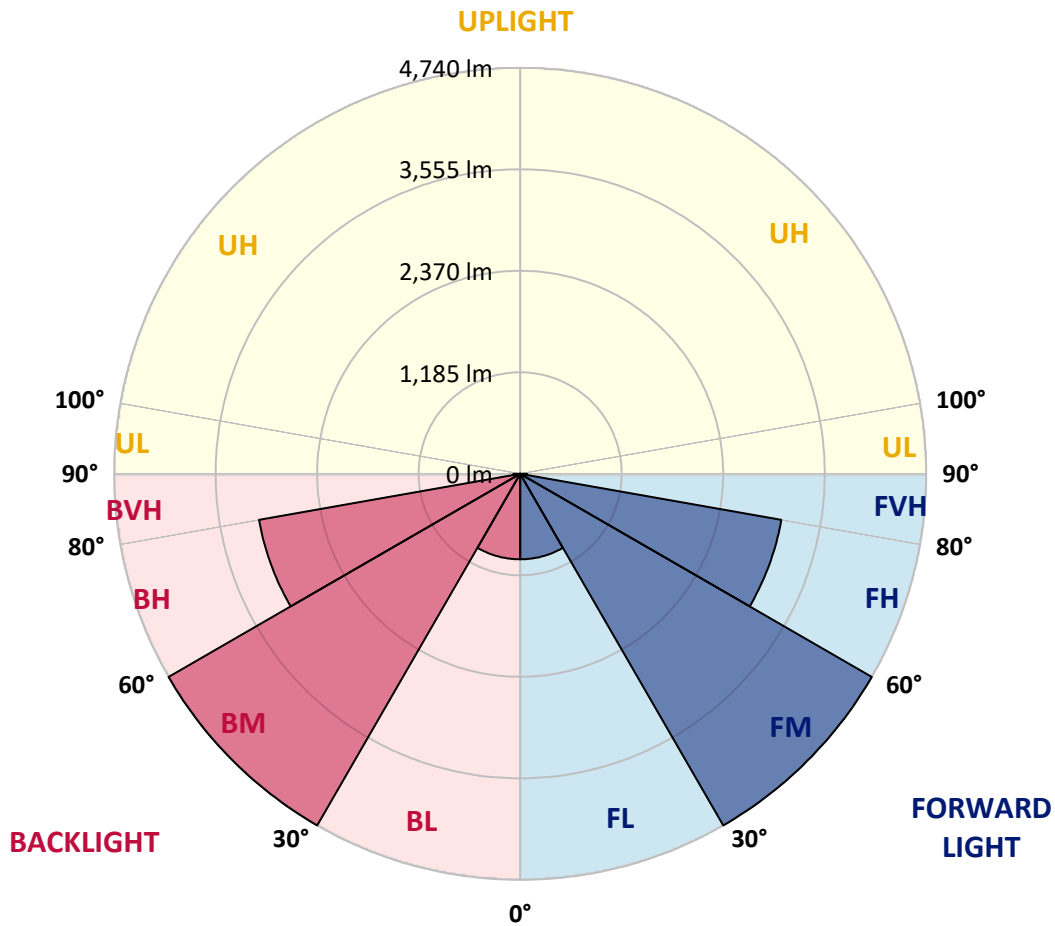
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.2	5.6			
FM (30°-60°)	4740.4	26.6			
FH (60°-80°)	3095.5	17.4			G2/5000
FVH (80°-90°)	80.3	0.5			G1/100
BL (0°-30°)	998.2	5.6	B2/1000		
BM (30°-60°)	4740.4	26.6	B3/5000		
BH (60°-80°)	3095.5	17.4	B4/5000		G4/5000
BVH (80°-90°)	80.3	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°	1909.8	1909.8	1909.8	1909.8	1909.8	1909.8	1909.8	1909.8	1909.8	1909.8
2.5°	1909.8	1908.0	1909.8	1911.6	1910.7	1910.7	1915.3	1918.0	1923.5	1922.5
5°	1897.1	1896.2	1903.4	1911.6	1918.0	1928.9	1942.6	1952.6	1965.3	1968.1
7.5°	1890.7	1888.0	1900.7	1915.3	1935.3	1962.6	1989.0	2016.3	2038.2	2045.4
10°	1895.2	1896.2	1913.4	1940.8	1972.6	2010.8	2048.2	2094.6	2125.5	2132.8
12.5°	1916.2	1914.4	1943.5	1987.2	2030.9	2079.1	2122.8	2173.8	2207.5	2224.8
15°	1954.4	1950.8	1991.7	2056.4	2120.1	2176.5	2212.0	2260.3	2299.4	2321.3
17.5°	1999.9	2001.7	2055.5	2139.2	2222.9	2286.7	2320.3	2344.9	2375.0	2394.1
20°	2080.0	2083.7	2143.8	2243.0	2338.6	2411.4	2438.7	2429.6	2437.8	2452.3
22.5°	2187.4	2189.3	2256.6	2364.0	2464.2	2544.3	2562.5	2525.2	2502.4	2512.4
25°	2312.2	2324.0	2391.4	2501.5	2604.4	2680.8	2689.0	2632.6	2576.1	2578.9
27.5°	2464.2	2475.1	2543.4	2652.6	2757.3	2823.7	2822.8	2747.3	2664.4	2643.5
30°	2628.9	2640.8	2710.9	2823.7	2921.1	2979.4	2966.7	2876.5	2758.2	2719.1
32.5°	2824.7	2831.9	2902.9	3015.8	3105.9	3152.4	3126.0	3014.9	2867.4	2822.8
35°	3061.3	3072.3	3125.1	3231.6	3310.8	3349.0	3304.4	3173.3	3007.6	2957.6
37.5°	3331.7	3324.4	3384.5	3479.2	3544.7	3568.4	3507.4	3351.7	3167.8	3108.7
40°	3613.9	3610.2	3675.8	3766.8	3802.3	3816.9	3726.8	3556.5	3352.6	3288.9
42.5°	3869.7	3866.9	3955.2	4056.3	4099.1	4082.7	3968.9	3774.1	3566.5	3493.7
45°	4074.5	4070.9	4179.2	4321.2	4404.9	4377.6	4224.7	4014.4	3783.2	3707.6
47.5°	4232.0	4233.8	4350.3	4526.0	4672.6	4682.6	4485.9	4259.3	4021.7	3936.1
50°	4345.8	4351.2	4475.9	4670.7	4871.0	4959.3	4752.7	4510.5	4268.4	4171.9
52.5°	4374.0	4384.0	4534.2	4762.7	4998.4	5166.9	5023.9	4751.8	4502.3	4410.4
55°	4223.8	4243.8	4434.1	4755.4	5076.7	5303.4	5262.4	4996.6	4738.1	4643.4
57.5°	3878.8	3907.0	4129.1	4548.8	5059.4	5397.2	5447.2	5231.5	4973.9	4882.8
60°	3395.4	3429.1	3642.1	4100.0	4815.5	5431.7	5577.4	5460.0	5190.5	5102.2
62.5°	2666.3	2710.0	2964.8	3501.9	4300.2	5270.6	5688.5	5666.6	5385.3	5275.2
65°	1710.4	1756.9	2025.4	2659.9	3613.0	4777.2	5723.0	5867.8	5591.0	5437.2
67.5°	1031.4	1052.3	1185.2	1612.1	2640.8	4033.5	5429.9	6090.8	5831.4	5640.2
70°	660.0	671.8	751.0	946.7	1492.9	2943.0	4703.5	6132.7	6122.7	5848.7
72.5°	447.9	451.5	472.4	560.7	844.8	1672.2	3469.1	5551.9	6304.7	6117.2
75°	327.7	347.7	381.4	396.9	479.7	835.7	1988.1	3900.6	5313.4	5395.3
77.5°	244.0	244.9	291.3	309.5	342.3	445.1	841.1	2177.4	3298.9	3463.7
80°	206.6	195.7	194.8	249.4	257.6	277.6	376.0	751.9	1181.6	716.4
82.5°	172.0	160.2	144.7	194.8	175.7	170.2	162.9	305.9	376.0	184.8
85°	120.2	114.7	109.2	127.4	100.1	85.6	78.3	142.9	158.4	78.3
87.5°	51.9	53.7	54.6	56.4	41.9	30.0	30.0	40.1	40.1	31.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1909.8
1921.6
1968.1
2047.3
2140.1
2232.1
2329.5
2403.2
2463.3
2519.7
2583.4
2649.9
2723.6
2833.8
2964.8
3119.6
3309.8
3511.9
3724.9
3961.6
4201.0
4434.1
4669.8
4903.8
5121.3
5287.9
5456.3
5654.8
5846.8
6088.1
5196.9
3089.6
541.6
157.5
69.2
22.8
0.0

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