

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: P952226

Luminaire Tested: **GALN-SB6A-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952226
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-SB6A-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17050 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

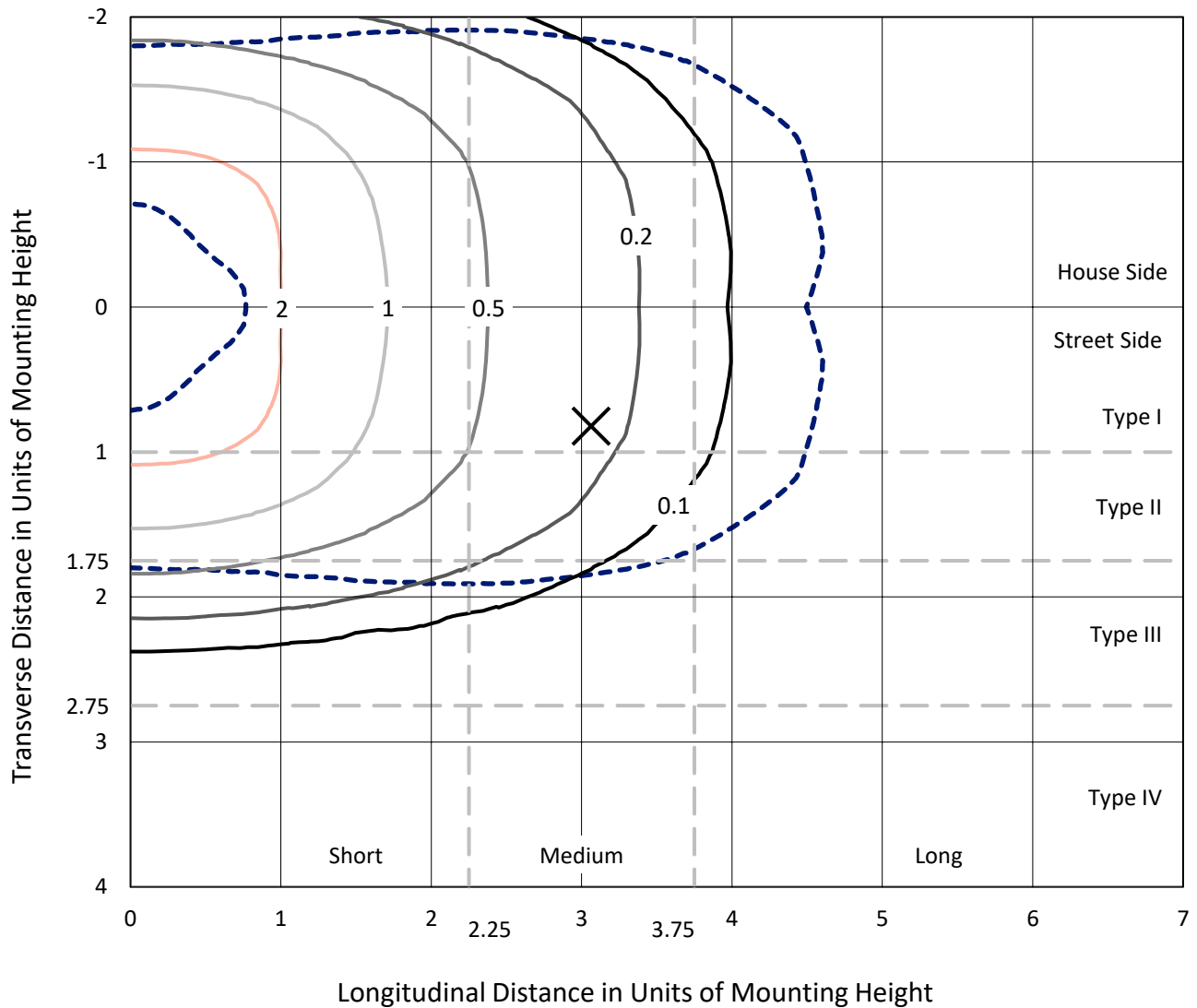
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

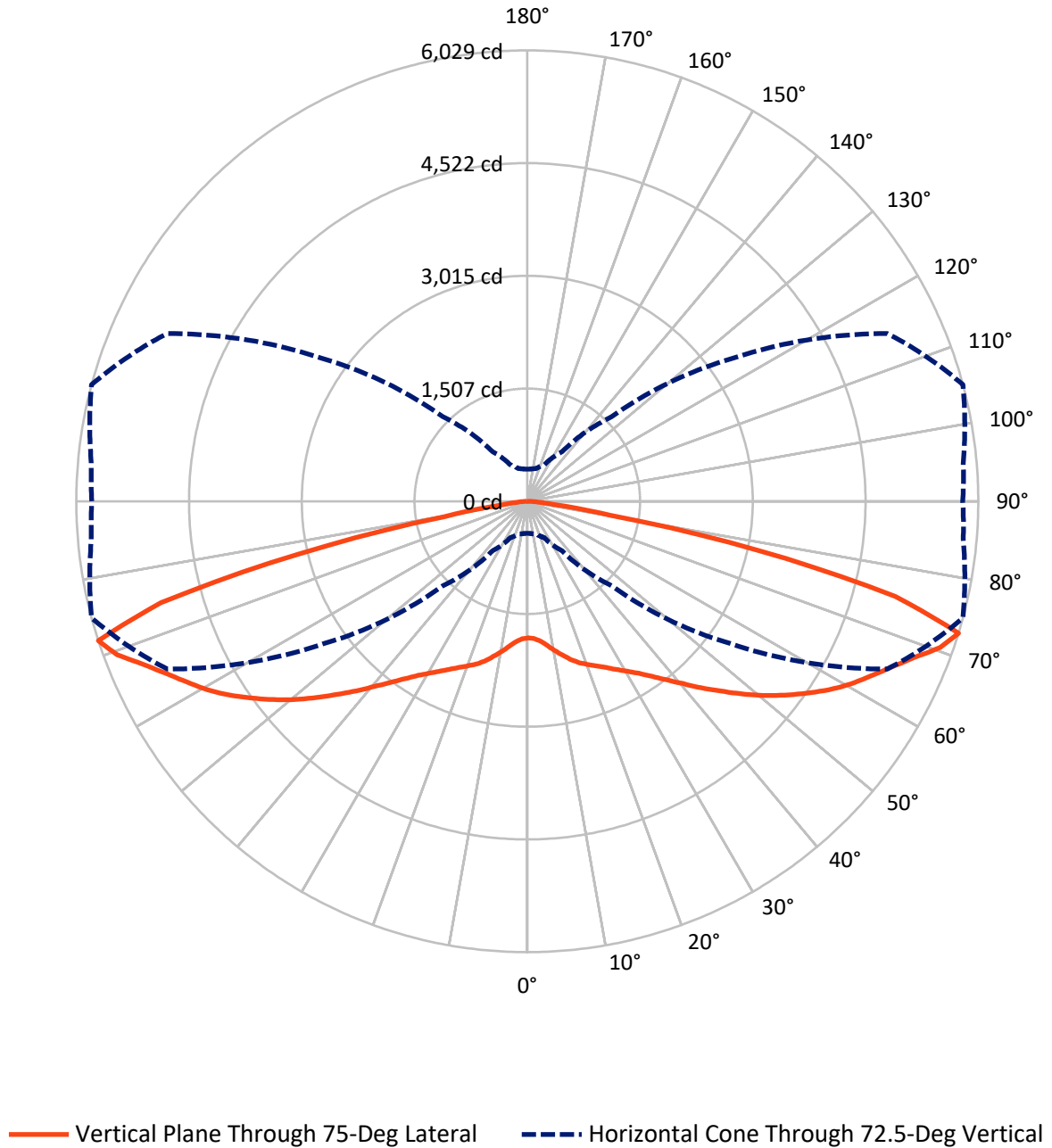
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	8525.0	0.0	8525.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8525.0	0.0	8525.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17050.0	0.0	17050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	1.0
10°-20°	590.1	3.5
20°-30°	1140.2	6.7
30°-40°	1925.3	11.3
40°-50°	3053.3	17.9
50°-60°	4088.0	24.0
60°-70°	3890.5	22.8
70°-80°	2030.1	11.9
80°-90°	153.7	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°	17050.0	100.0
0°-180°	17050.0	100.0

Coefficient of Utilization



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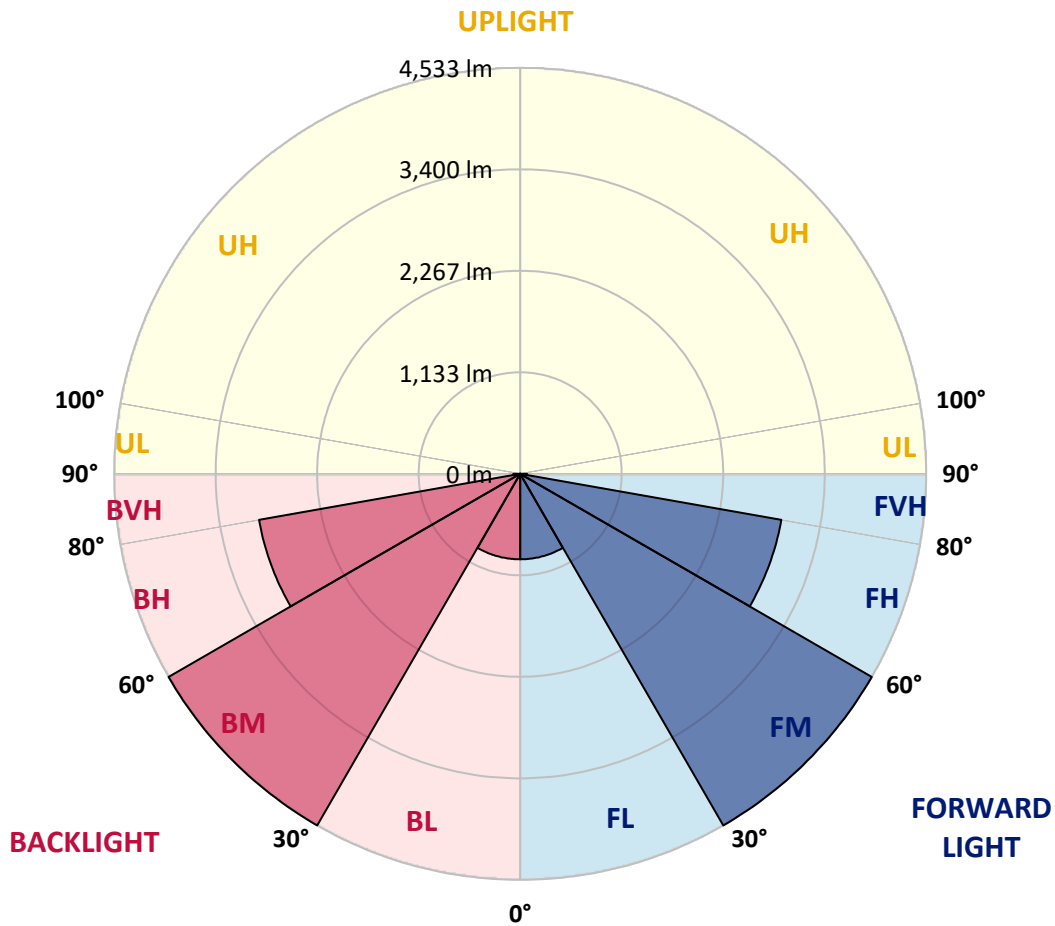
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	954.6	5.6			
FM (30°-60°)	4533.3	26.6			
FH (60°-80°)	2960.3	17.4			G2/5000
FVH (80°-90°)	76.8	0.5			G1/100
BL (0°-30°)	954.6	5.6	B2/1000		
BM (30°-60°)	4533.3	26.6	B3/5000		
BH (60°-80°)	2960.3	17.4	B4/5000		G4/5000
BVH (80°-90°)	76.8	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°	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4
2.5°	1826.4	1824.6	1826.4	1828.1	1827.2	1827.2	1831.6	1834.2	1839.4	1838.5
5°	1814.2	1813.3	1820.3	1828.1	1834.2	1844.6	1857.7	1867.3	1879.5	1882.1
7.5°	1808.1	1805.5	1817.7	1831.6	1850.7	1876.9	1902.1	1928.2	1949.1	1956.1
10°	1812.4	1813.3	1829.8	1856.0	1886.4	1923.0	1958.7	2003.1	2032.7	2039.6
12.5°	1832.5	1830.7	1858.6	1900.4	1942.1	1988.3	2030.1	2078.8	2111.0	2127.6
15°	1869.0	1865.5	1904.7	1966.5	2027.5	2081.4	2115.4	2161.5	2198.9	2219.8
17.5°	1912.5	1914.3	1965.6	2045.7	2125.8	2186.8	2219.0	2242.5	2271.2	2289.5
20°	1989.1	1992.6	2050.1	2145.0	2236.4	2306.0	2332.1	2323.4	2331.3	2345.2
22.5°	2091.9	2093.6	2158.0	2260.8	2356.5	2433.1	2450.5	2414.8	2393.1	2402.6
25°	2211.1	2222.4	2286.9	2392.2	2490.6	2563.7	2571.5	2517.6	2463.6	2466.2
27.5°	2356.5	2367.0	2432.2	2536.7	2636.8	2700.4	2699.5	2627.2	2548.0	2528.0
30°	2514.1	2525.4	2592.4	2700.4	2793.5	2849.2	2837.0	2750.9	2637.7	2600.3
32.5°	2701.2	2708.2	2776.1	2884.0	2970.2	3014.6	2989.4	2883.2	2742.2	2699.5
35°	2927.6	2938.0	2988.5	3090.4	3166.1	3202.7	3160.0	3034.6	2876.2	2828.3
37.5°	3186.1	3179.2	3236.6	3327.1	3389.8	3412.5	3354.1	3205.3	3029.4	2972.8
40°	3456.0	3452.5	3515.2	3602.2	3636.2	3650.1	3563.9	3401.1	3206.1	3145.2
42.5°	3700.6	3698.0	3782.4	3879.1	3920.0	3904.3	3795.5	3609.2	3410.7	3341.1
45°	3896.5	3893.0	3996.6	4132.4	4212.5	4186.4	4040.1	3839.0	3617.9	3545.6
47.5°	4047.1	4048.8	4160.2	4328.2	4468.4	4478.0	4289.9	4073.2	3846.0	3764.1
50°	4155.9	4161.1	4280.4	4466.7	4658.2	4742.6	4545.0	4313.4	4081.9	3989.6
52.5°	4182.9	4192.4	4336.1	4554.6	4780.0	4941.1	4804.4	4544.1	4305.6	4217.7
55°	4039.2	4058.4	4240.3	4547.6	4854.9	5071.7	5032.5	4778.3	4531.1	4440.5
57.5°	3709.3	3736.3	3948.7	4350.0	4838.4	5161.3	5209.2	5002.9	4756.5	4669.5
60°	3247.1	3279.3	3483.0	3920.8	4605.1	5194.4	5333.7	5221.4	4963.7	4879.3
62.5°	2549.8	2591.6	2835.3	3348.9	4112.4	5040.3	5439.9	5419.0	5150.0	5044.7
65°	1635.7	1680.1	1936.9	2543.7	3455.1	4568.5	5473.0	5611.4	5346.8	5199.6
67.5°	986.3	1006.3	1133.4	1541.7	2525.4	3857.3	5192.7	5824.7	5576.6	5393.8
70°	631.1	642.4	718.2	905.3	1427.7	2814.4	4498.0	5864.7	5855.1	5593.1
72.5°	428.3	431.8	451.8	536.2	807.8	1599.2	3317.6	5309.3	6029.3	5849.9
75°	313.4	332.5	364.7	379.5	458.8	799.1	1901.2	3730.2	5081.3	5159.6
77.5°	233.3	234.2	278.6	296.0	327.3	425.7	804.4	2082.3	3154.8	3312.3
80°	197.6	187.2	186.3	238.5	246.4	265.5	359.5	719.1	1129.9	685.1
82.5°	164.5	153.2	138.4	186.3	168.0	162.8	155.8	292.5	359.5	176.7
85°	114.9	109.7	104.5	121.9	95.8	81.8	74.9	136.7	151.5	74.9
87.5°	49.6	51.4	52.2	54.0	40.0	28.7	28.7	38.3	38.3	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1826.4
1837.7
1882.1
1957.8
2046.6
2134.5
2227.7
2298.2
2355.6
2409.6
2470.5
2534.1
2604.6
2709.9
2835.3
2983.3
3165.2
3358.5
3562.2
3788.5
4017.5
4240.3
4465.8
4689.5
4897.6
5056.9
5217.9
5407.7
5591.4
5822.1
4969.8
2954.6
518.0
150.6
66.2
21.8
0.0

OF REPORT)