

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: P941890

Luminaire Tested: **GALN-SB5C-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23292 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

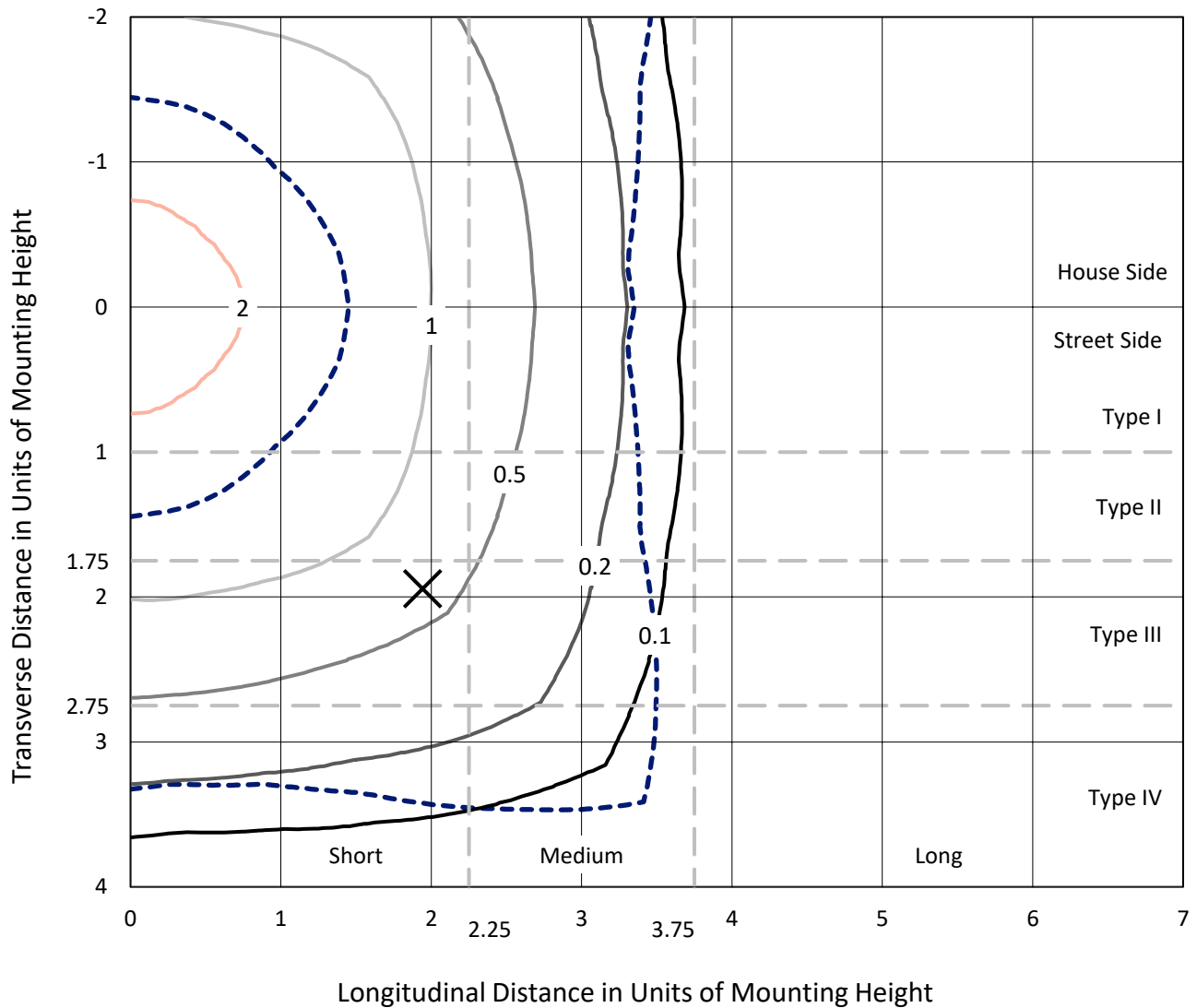
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

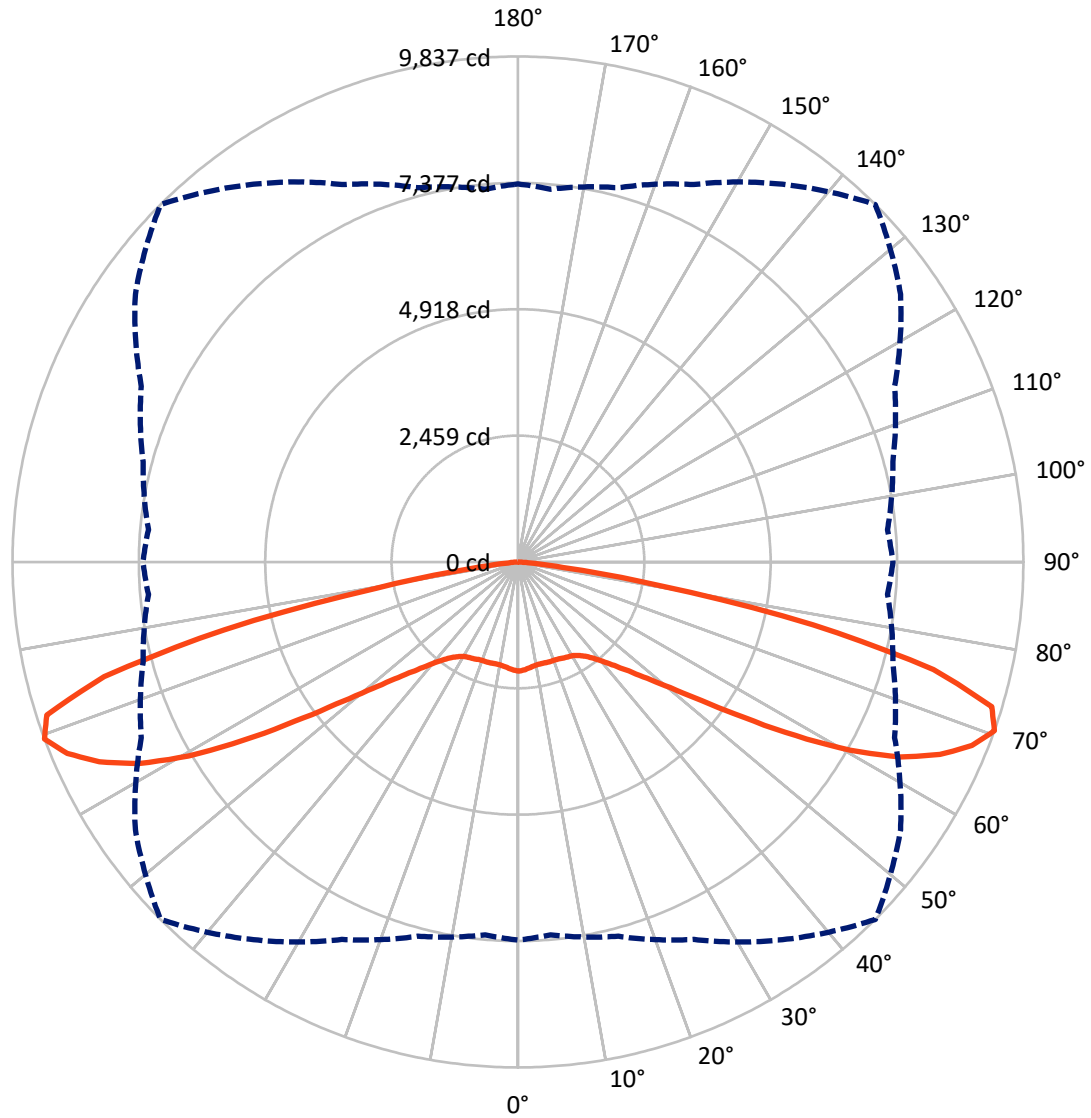
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11646.0	0.0	11646.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11646.0	0.0	11646.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23292.0	0.0	23292.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	0.8
10°-20°	580.3	2.5
20°-30°	965.8	4.1
30°-40°	1460.5	6.3
40°-50°	2427.1	10.4
50°-60°	4579.8	19.7
60°-70°	7733.2	33.2
70°-80°	5081.5	21.8
80°-90°	266.2	1.1
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°	23292.0	100.0
0°-180°	23292.0	100.0



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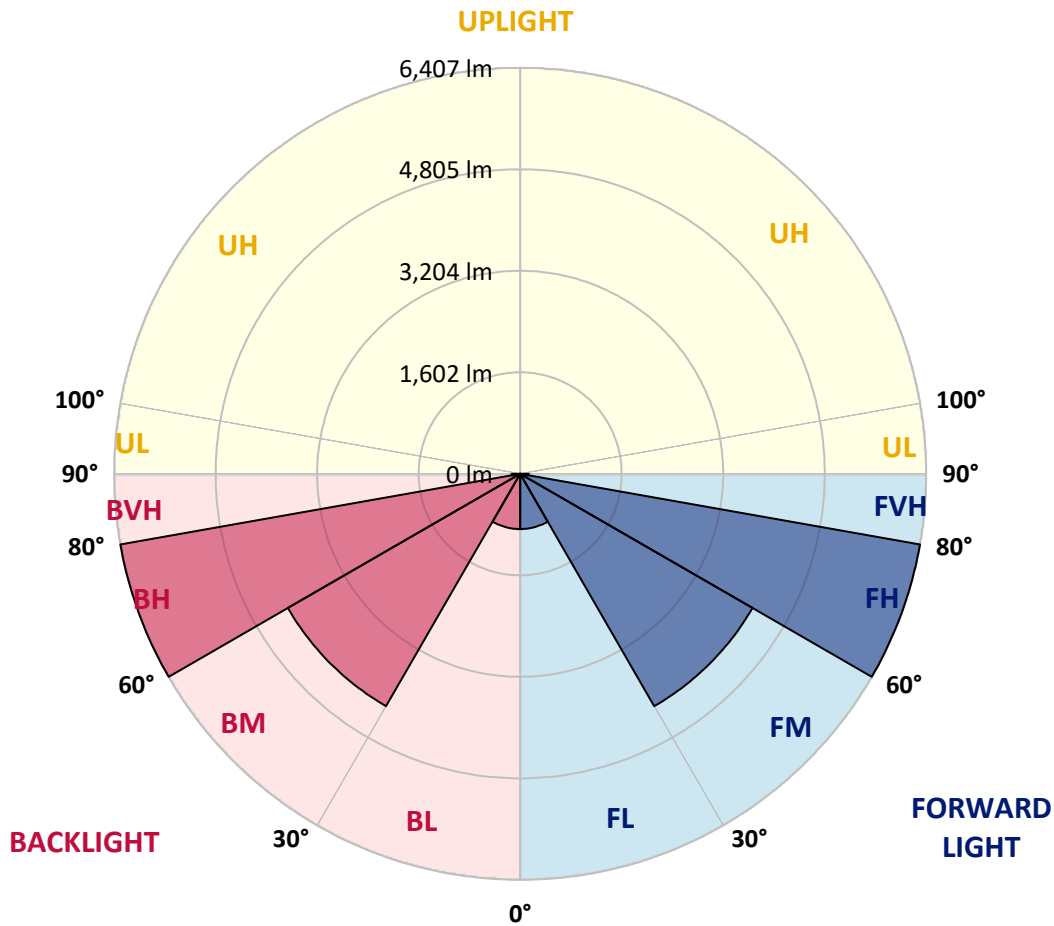
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.9	3.7			
FM (30°-60°)	4233.7	18.2			
FH (60°-80°)	6407.3	27.5			G3/7500
FVH (80°-90°)	133.1	0.6			G2/225
BL (0°-30°)	871.9	3.7	B2/1000		
BM (30°-60°)	4233.7	18.2	B3/5000		
BH (60°-80°)	6407.3	27.5	B5		G3/7500
BVH (80°-90°)	133.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2124.7	2124.7	2124.7	2124.7	2124.7	2124.7	2124.7	2124.7	2124.7	2124.7
2.5°	2111.4	2117.4	2115.0	2110.2	2110.2	2106.5	2110.2	2112.6	2116.2	2118.6
5°	2083.5	2088.4	2087.2	2083.5	2084.7	2081.1	2083.5	2087.2	2089.6	2090.8
7.5°	2059.3	2064.2	2061.7	2055.7	2055.7	2052.1	2053.3	2056.9	2060.5	2061.7
10°	2053.3	2058.1	2050.8	2041.2	2037.5	2032.7	2033.9	2037.5	2044.8	2048.4
12.5°	2055.7	2059.3	2052.1	2037.5	2033.9	2029.1	2029.1	2032.7	2042.4	2047.2
15°	2063.0	2066.6	2055.7	2040.0	2036.3	2032.7	2031.5	2036.3	2047.2	2055.7
17.5°	2076.3	2079.9	2063.0	2041.2	2036.3	2037.5	2036.3	2040.0	2056.9	2072.6
20°	2088.4	2090.8	2067.8	2041.2	2036.3	2037.5	2036.3	2043.6	2065.4	2087.2
22.5°	2092.0	2094.4	2072.6	2049.6	2046.0	2047.2	2046.0	2053.3	2073.9	2095.6
25°	2093.2	2096.9	2079.9	2061.7	2067.8	2070.2	2067.8	2069.0	2084.7	2104.1
27.5°	2111.4	2116.2	2100.5	2084.7	2088.4	2087.2	2090.8	2094.4	2106.5	2125.9
30°	2148.9	2152.5	2139.2	2123.5	2121.1	2112.6	2123.5	2135.6	2148.9	2165.9
32.5°	2210.7	2217.9	2201.0	2184.0	2173.1	2168.3	2176.8	2197.3	2215.5	2233.7
35°	2313.6	2318.4	2302.7	2271.2	2251.8	2251.8	2259.1	2285.7	2314.8	2337.8
37.5°	2458.8	2464.9	2437.0	2399.5	2370.5	2370.5	2380.1	2408.0	2451.6	2484.3
40°	2635.6	2644.1	2609.0	2570.2	2542.4	2537.5	2549.6	2581.1	2622.3	2663.4
42.5°	2848.7	2858.4	2812.4	2778.5	2756.7	2756.7	2762.7	2791.8	2829.3	2880.1
45°	3121.1	3138.0	3075.1	3041.2	3020.6	3025.4	3029.1	3054.5	3088.4	3146.5
47.5°	3445.5	3462.5	3395.9	3360.8	3357.1	3380.1	3365.6	3383.8	3401.9	3468.5
50°	3813.6	3842.6	3796.6	3794.2	3801.5	3843.8	3809.9	3819.6	3799.0	3841.4
52.5°	4263.9	4306.3	4297.8	4312.4	4393.5	4480.6	4403.2	4369.3	4291.8	4305.1
55°	4809.9	4874.1	4886.2	4973.4	5157.4	5335.4	5170.7	5033.9	4869.3	4839.0
57.5°	5431.0	5481.8	5540.0	5717.9	6061.7	6377.7	6061.7	5759.1	5500.0	5438.3
60°	6099.3	6162.2	6217.9	6480.6	6991.5	7435.8	6981.8	6501.2	6158.6	6075.1
62.5°	6817.2	6898.3	6937.1	7228.8	7824.5	8354.7	7832.9	7250.6	6870.5	6780.9
65°	7506.1	7572.6	7616.2	7927.4	8496.4	9027.9	8535.1	7961.3	7570.2	7452.8
67.5°	7826.9	7863.2	7969.7	8322.0	8922.5	9529.1	9024.2	8359.6	7922.5	7716.7
70°	7357.1	7283.3	7540.0	8104.1	8973.4	9836.6	9089.6	8087.2	7552.1	7217.9
72.5°	5685.2	5558.1	6003.6	6968.5	8392.3	9640.4	8450.4	7023.0	6280.9	5602.9
75°	3093.2	2949.2	3564.2	4784.5	6692.5	8355.9	6846.3	4921.3	3968.5	3070.2
77.5°	872.9	818.4	1314.8	2314.8	4025.4	5866.8	4180.4	2365.6	1559.3	924.9
80°	267.6	259.1	351.1	697.3	1709.4	2809.9	1642.9	705.8	446.7	282.1
82.5°	158.6	145.3	174.3	254.2	435.8	882.6	423.7	265.1	213.1	142.9
85°	90.8	84.7	102.9	123.5	146.5	187.7	122.3	125.9	113.8	76.3
87.5°	37.5	33.9	40.0	38.7	33.9	43.6	32.7	38.7	46.0	30.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2124.7
2117.4
2090.8
2061.7
2048.4
2048.4
2056.9
2072.6
2088.4
2095.6
2102.9
2121.1
2162.2
2226.4
2329.3
2472.2
2650.1
2876.5
3144.1
3449.2
3816.0
4260.3
4791.8
5394.7
6002.4
6708.2
7394.7
7719.1
7297.8
5771.2
3270.0
1027.8
297.8
155.0
79.9
27.8
0.0

OF REPORT)