

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: P943080

Luminaire Tested: **GALN-SB7B-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943080
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-SB7B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24656 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

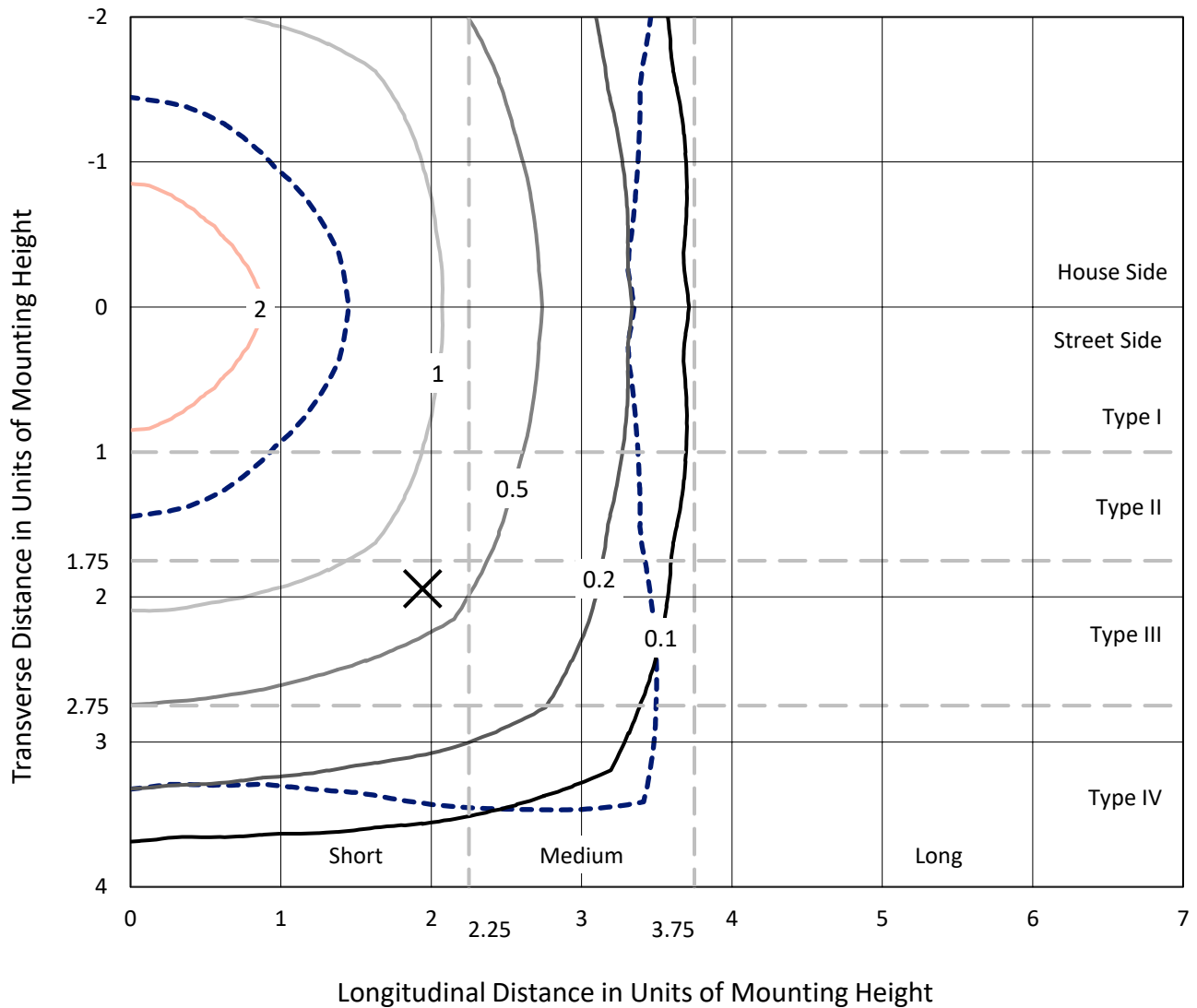
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

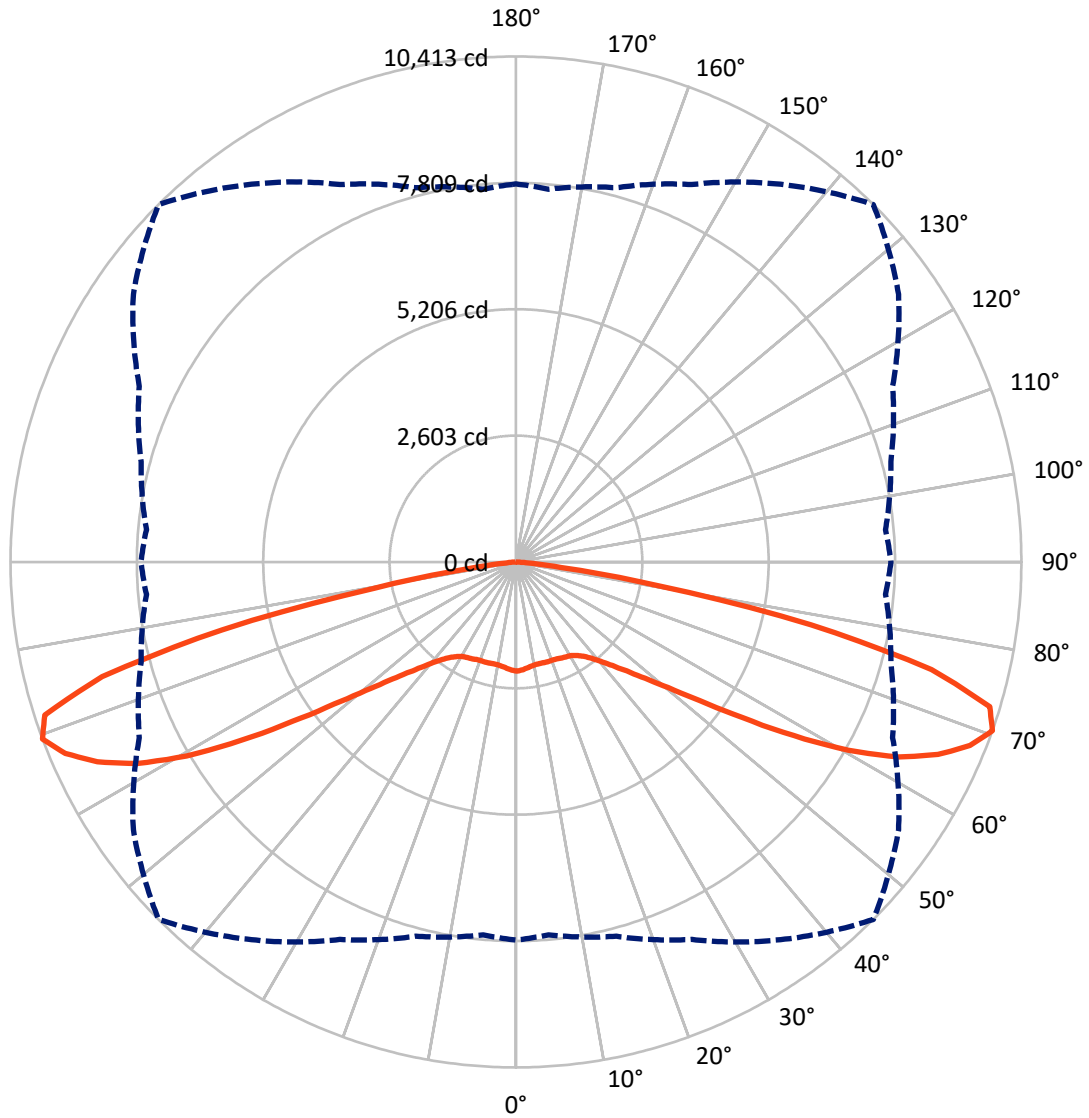
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	12328.0	0.0	12328.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12328.0	0.0	12328.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24656.0	0.0	24656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.2	0.8
10°-20°	614.3	2.5
20°-30°	1022.3	4.1
30°-40°	1546.1	6.3
40°-50°	2569.2	10.4
50°-60°	4848.0	19.7
60°-70°	8186.0	33.2
70°-80°	5379.1	21.8
80°-90°	281.8	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°	24656.0	100.0
0°-180°	24656.0	100.0

Coefficient of Utilization



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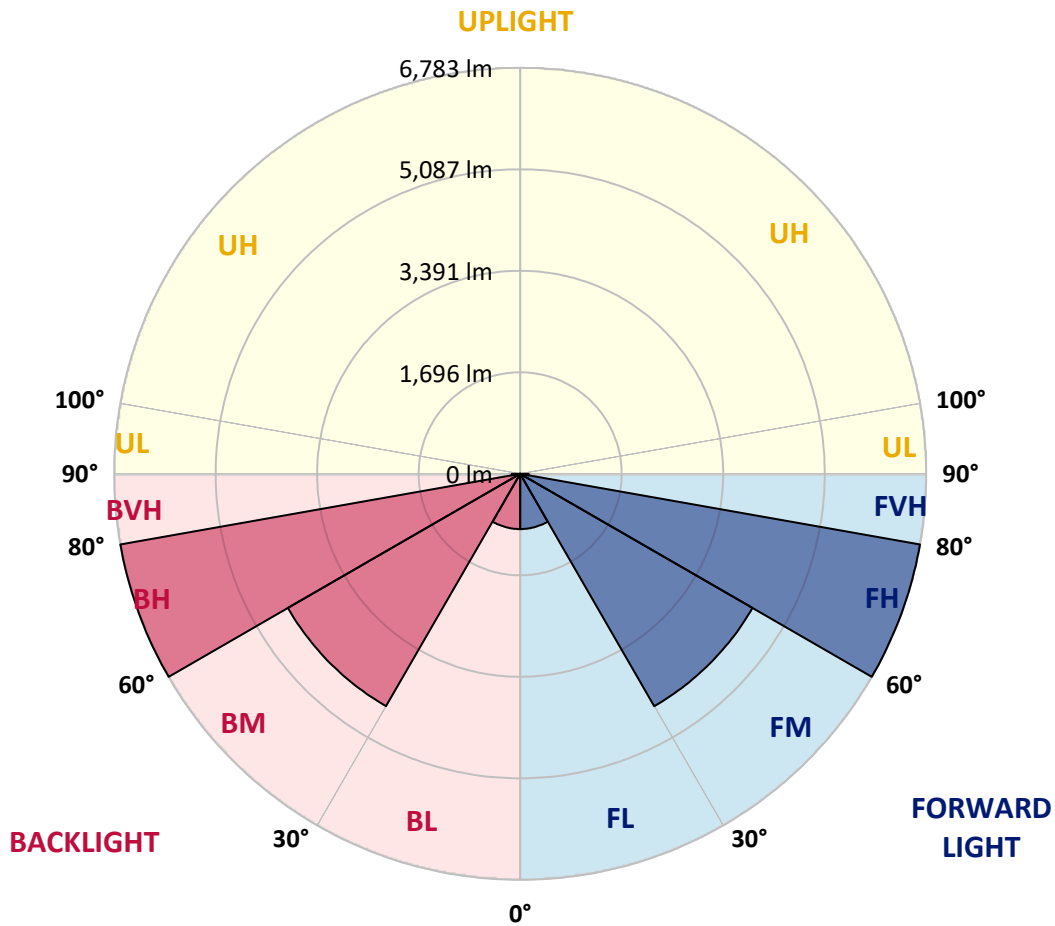
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.9	3.7			
FM (30°-60°)	4481.6	18.2			
FH (60°-80°)	6782.5	27.5			G3/7500
FVH (80°-90°)	140.9	0.6			G2/225
BL (0°-30°)	922.9	3.7	B2/1000		
BM (30°-60°)	4481.6	18.2	B3/5000		
BH (60°-80°)	6782.5	27.5	B5		G3/7500
BVH (80°-90°)	140.9	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°	2249.1	2249.1	2249.1	2249.1	2249.1	2249.1	2249.1	2249.1	2249.1	2249.1
2.5°	2235.0	2241.4	2238.9	2233.7	2233.7	2229.9	2233.7	2236.3	2240.2	2242.7
5°	2205.6	2210.7	2209.4	2205.6	2206.8	2203.0	2205.6	2209.4	2212.0	2213.2
7.5°	2179.9	2185.0	2182.5	2176.1	2176.1	2172.2	2173.5	2177.4	2181.2	2182.5
10°	2173.5	2178.6	2170.9	2160.7	2156.9	2151.7	2153.0	2156.9	2164.5	2168.4
12.5°	2176.1	2179.9	2172.2	2156.9	2153.0	2147.9	2147.9	2151.7	2162.0	2167.1
15°	2183.8	2187.6	2176.1	2159.4	2155.6	2151.7	2150.4	2155.6	2167.1	2176.1
17.5°	2197.9	2201.7	2183.8	2160.7	2155.6	2156.9	2155.6	2159.4	2177.4	2194.0
20°	2210.7	2213.2	2188.9	2160.7	2155.6	2156.9	2155.6	2163.3	2186.3	2209.4
22.5°	2214.5	2217.1	2194.0	2169.7	2165.8	2167.1	2165.8	2173.5	2195.3	2218.4
25°	2215.8	2219.6	2201.7	2182.5	2188.9	2191.5	2188.9	2190.2	2206.8	2227.3
27.5°	2235.0	2240.2	2223.5	2206.8	2210.7	2209.4	2213.2	2217.1	2229.9	2250.4
30°	2274.8	2278.6	2264.5	2247.8	2245.3	2236.3	2247.8	2260.7	2274.8	2292.7
32.5°	2340.1	2347.8	2329.9	2311.9	2300.4	2295.3	2304.2	2326.0	2345.2	2364.5
35°	2449.0	2454.2	2437.5	2404.2	2383.7	2383.7	2391.4	2419.6	2450.3	2474.7
37.5°	2602.8	2609.2	2579.8	2540.0	2509.3	2509.3	2519.5	2549.0	2595.1	2629.7
40°	2789.9	2798.9	2761.7	2720.7	2691.3	2686.1	2698.9	2732.3	2775.8	2819.4
42.5°	3015.5	3025.7	2977.0	2941.2	2918.1	2918.1	2924.5	2955.3	2995.0	3048.8
45°	3303.8	3321.8	3255.1	3219.3	3197.5	3202.6	3206.4	3233.4	3269.2	3330.8
47.5°	3647.3	3665.2	3594.8	3557.6	3553.7	3578.1	3562.7	3581.9	3601.2	3671.6
50°	4036.9	4067.6	4018.9	4016.4	4024.1	4068.9	4033.0	4043.3	4021.5	4066.4
52.5°	4513.6	4558.5	4549.5	4564.9	4650.8	4743.0	4661.0	4625.1	4543.1	4557.2
55°	5091.6	5159.5	5172.3	5264.6	5459.4	5647.8	5473.5	5328.7	5154.4	5122.4
57.5°	5749.0	5802.9	5864.4	6052.8	6416.7	6751.2	6416.7	6096.3	5822.1	5756.7
60°	6456.5	6523.1	6582.1	6860.1	7401.0	7871.3	7390.7	6881.9	6519.3	6430.8
62.5°	7216.4	7302.3	7343.3	7652.1	8282.7	8844.0	8291.6	7675.2	7272.8	7178.0
65°	7945.6	8016.1	8062.2	8391.6	8993.9	9556.5	9034.9	8427.5	8013.5	7889.2
67.5°	8285.2	8323.7	8436.5	8809.4	9445.0	10087.1	9552.7	8849.1	8386.5	8168.6
70°	7788.0	7709.8	7981.5	8578.7	9498.9	10412.6	9621.9	8560.8	7994.3	7640.6
72.5°	6018.2	5883.6	6355.2	7376.6	8883.7	10205.0	8945.2	7434.3	6648.7	5931.0
75°	3274.4	3121.9	3772.9	5064.7	7084.4	8845.3	7247.2	5209.5	4200.9	3250.0
77.5°	924.0	866.3	1391.8	2450.3	4261.2	6210.4	4425.2	2504.2	1650.6	979.1
80°	283.2	274.3	371.7	738.2	1809.6	2974.5	1739.1	747.1	472.9	298.6
82.5°	167.9	153.8	184.5	269.1	461.4	934.3	448.5	280.7	225.6	151.2
85°	96.1	89.7	108.9	130.7	155.1	198.6	129.4	133.3	120.5	80.7
87.5°	39.7	35.9	42.3	41.0	35.9	46.1	34.6	41.0	48.7	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2249.1
2241.4
2213.2
2182.5
2168.4
2168.4
2177.4
2194.0
2210.7
2218.4
2226.1
2245.3
2288.9
2356.8
2465.7
2616.9
2805.3
3045.0
3328.2
3651.1
4039.5
4509.8
5072.4
5710.6
6353.9
7101.1
7827.7
8171.2
7725.2
6109.2
3461.5
1088.0
315.3
164.0
84.6
29.5
0.0

OF REPORT)