

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: P941930

Luminaire Tested: **GALN-SB5C-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941930
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-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26620 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

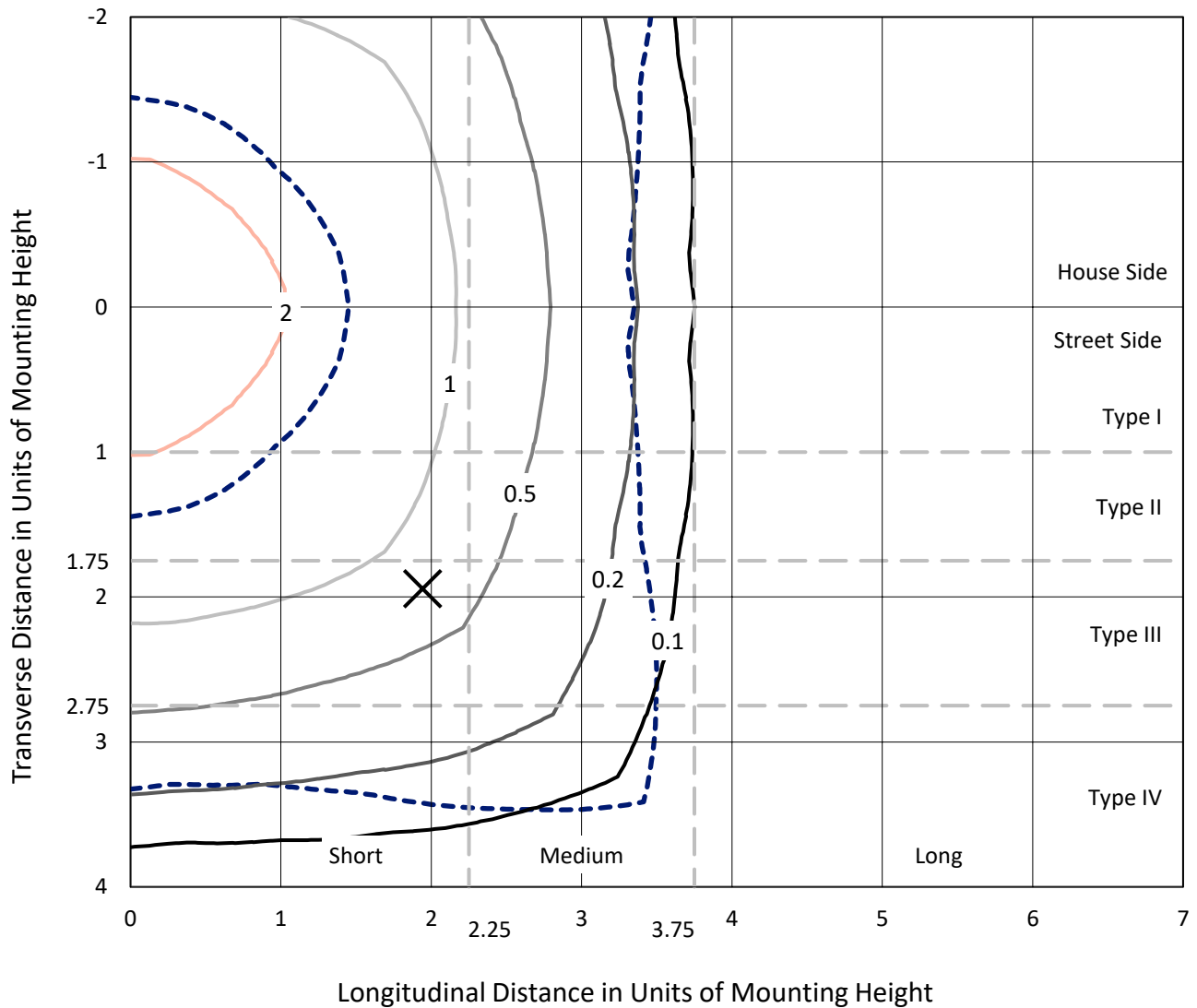
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

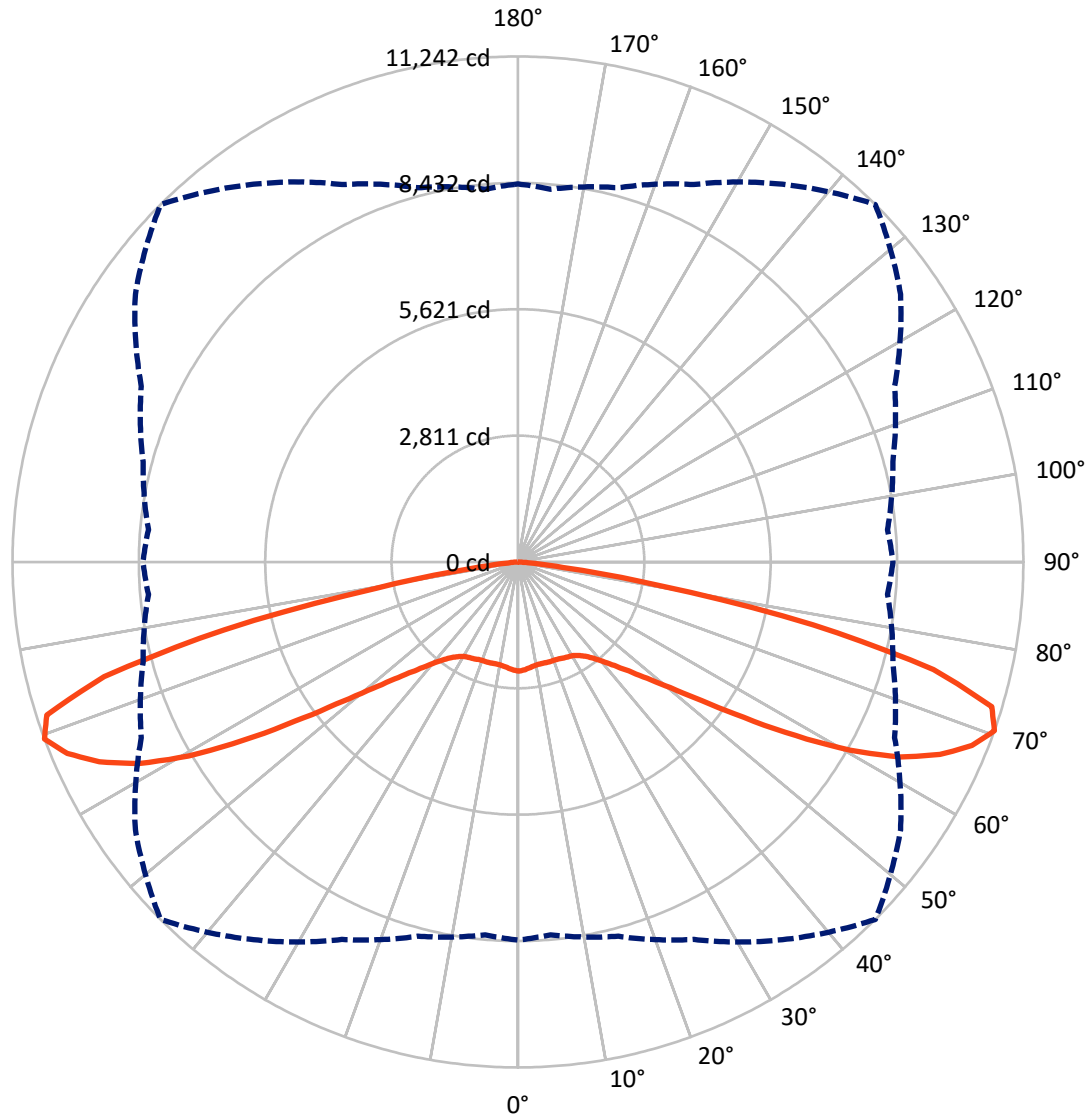
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	13310.0	0.0	13310.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13310.0	0.0	13310.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26620.0	0.0	26620.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	0.8
10°-20°	663.3	2.5
20°-30°	1103.8	4.1
30°-40°	1669.2	6.3
40°-50°	2773.9	10.4
50°-60°	5234.2	19.7
60°-70°	8838.1	33.2
70°-80°	5807.5	21.8
80°-90°	304.3	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°	26620.0	100.0
0°-180°	26620.0	100.0



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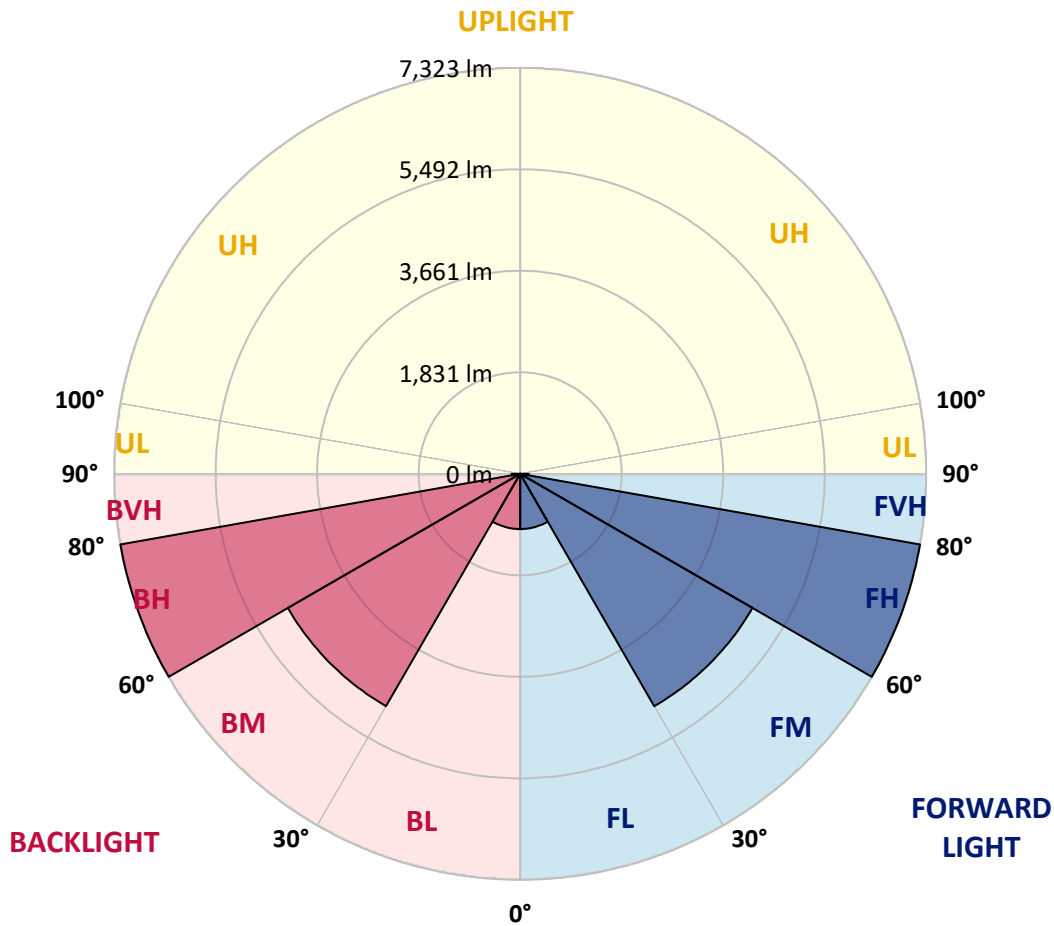
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.5	3.7			
FM (30°-60°)	4838.6	18.2			
FH (60°-80°)	7322.8	27.5			G3/7500
FVH (80°-90°)	152.1	0.6			G2/225
BL (0°-30°)	996.5	3.7	B2/1000		
BM (30°-60°)	4838.6	18.2	B3/5000		
BH (60°-80°)	7322.8	27.5	B5		G3/7500
BVH (80°-90°)	152.1	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°	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3
2.5°	2413.1	2420.0	2417.2	2411.7	2411.7	2407.5	2411.7	2414.4	2418.6	2421.4
5°	2381.2	2386.8	2385.4	2381.2	2382.6	2378.5	2381.2	2385.4	2388.2	2389.5
7.5°	2353.6	2359.1	2356.3	2349.4	2349.4	2345.3	2346.6	2350.8	2354.9	2356.3
10°	2346.6	2352.2	2343.9	2332.8	2328.7	2323.1	2324.5	2328.7	2337.0	2341.1
12.5°	2349.4	2353.6	2345.3	2328.7	2324.5	2319.0	2319.0	2323.1	2334.2	2339.7
15°	2357.7	2361.9	2349.4	2331.4	2327.3	2323.1	2321.7	2327.3	2339.7	2349.4
17.5°	2372.9	2377.1	2357.7	2332.8	2327.3	2328.7	2327.3	2331.4	2350.8	2368.8
20°	2386.8	2389.5	2363.2	2332.8	2327.3	2328.7	2327.3	2335.6	2360.5	2385.4
22.5°	2390.9	2393.7	2368.8	2342.5	2338.3	2339.7	2338.3	2346.6	2370.2	2395.1
25°	2392.3	2396.5	2377.1	2356.3	2363.2	2366.0	2363.2	2364.6	2382.6	2404.8
27.5°	2413.1	2418.6	2400.6	2382.6	2386.8	2385.4	2389.5	2393.7	2407.5	2429.7
30°	2456.0	2460.1	2444.9	2426.9	2424.1	2414.4	2426.9	2440.7	2456.0	2475.3
32.5°	2526.5	2534.8	2515.4	2496.1	2483.6	2478.1	2487.8	2511.3	2532.1	2552.8
35°	2644.1	2649.7	2631.7	2595.7	2573.6	2573.6	2581.9	2612.3	2645.5	2671.8
37.5°	2810.2	2817.1	2785.3	2742.4	2709.2	2709.2	2720.2	2752.1	2801.9	2839.2
40°	3012.2	3021.9	2981.7	2937.5	2905.6	2900.1	2913.9	2949.9	2997.0	3044.0
42.5°	3255.7	3266.8	3214.2	3175.4	3150.5	3150.5	3157.5	3190.7	3233.6	3291.7
45°	3567.0	3586.4	3514.4	3475.7	3452.2	3457.7	3461.9	3490.9	3529.7	3596.1
47.5°	3937.8	3957.2	3881.1	3841.0	3836.8	3863.1	3846.5	3867.3	3888.0	3964.1
50°	4358.5	4391.7	4339.1	4336.3	4344.6	4393.0	4354.3	4365.4	4341.8	4390.3
52.5°	4873.2	4921.6	4911.9	4928.5	5021.2	5120.8	5032.3	4993.5	4905.0	4920.2
55°	5497.2	5570.5	5584.4	5684.0	5894.3	6097.7	5909.5	5753.2	5565.0	5530.4
57.5°	6207.0	6265.1	6331.5	6534.9	6927.9	7289.0	6927.9	6582.0	6285.9	6215.3
60°	6970.8	7042.7	7106.4	7406.6	7990.5	8498.3	7979.4	7430.1	7038.6	6943.1
62.5°	7791.3	7884.0	7928.2	8261.7	8942.4	9548.5	8952.1	8286.6	7852.1	7749.7
65°	8578.5	8654.6	8704.4	9060.0	9710.4	10317.8	9754.6	9098.8	8651.9	8517.7
67.5°	8945.2	8986.7	9108.5	9511.1	10197.4	10890.6	10313.6	9554.0	9054.5	8819.3
70°	8408.4	8323.9	8617.3	9262.1	10255.5	11242.0	10388.3	9242.7	8631.1	8249.2
72.5°	6497.6	6352.3	6861.4	7964.2	9591.4	11017.9	9657.8	8026.5	7178.3	6403.5
75°	3535.2	3370.5	4073.4	5468.1	7648.7	9549.9	7824.5	5624.5	4535.6	3508.9
77.5°	997.6	935.3	1502.6	2645.5	4600.6	6705.1	4777.7	2703.6	1782.1	1057.1
80°	305.8	296.1	401.3	797.0	1953.7	3211.4	1877.6	806.7	510.6	322.4
82.5°	181.3	166.0	199.2	290.6	498.1	1008.7	484.3	303.0	243.5	163.3
85°	103.8	96.9	117.6	141.1	167.4	214.5	139.7	143.9	130.1	87.2
87.5°	42.9	38.7	45.7	44.3	38.7	49.8	37.4	44.3	52.6	34.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2428.3
2420.0
2389.5
2356.3
2341.1
2341.1
2350.8
2368.8
2386.8
2395.1
2403.4
2424.1
2471.2
2544.5
2662.1
2825.4
3028.8
3287.5
3593.3
3942.0
4361.2
4869.0
5476.4
6165.5
6860.1
7666.7
8451.2
8822.1
8340.6
6595.8
3737.2
1174.7
340.4
177.1
91.3
31.8
0.0

OF REPORT)