

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: P950858

Luminaire Tested: **GALN-SB5A-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB5A-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17206 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

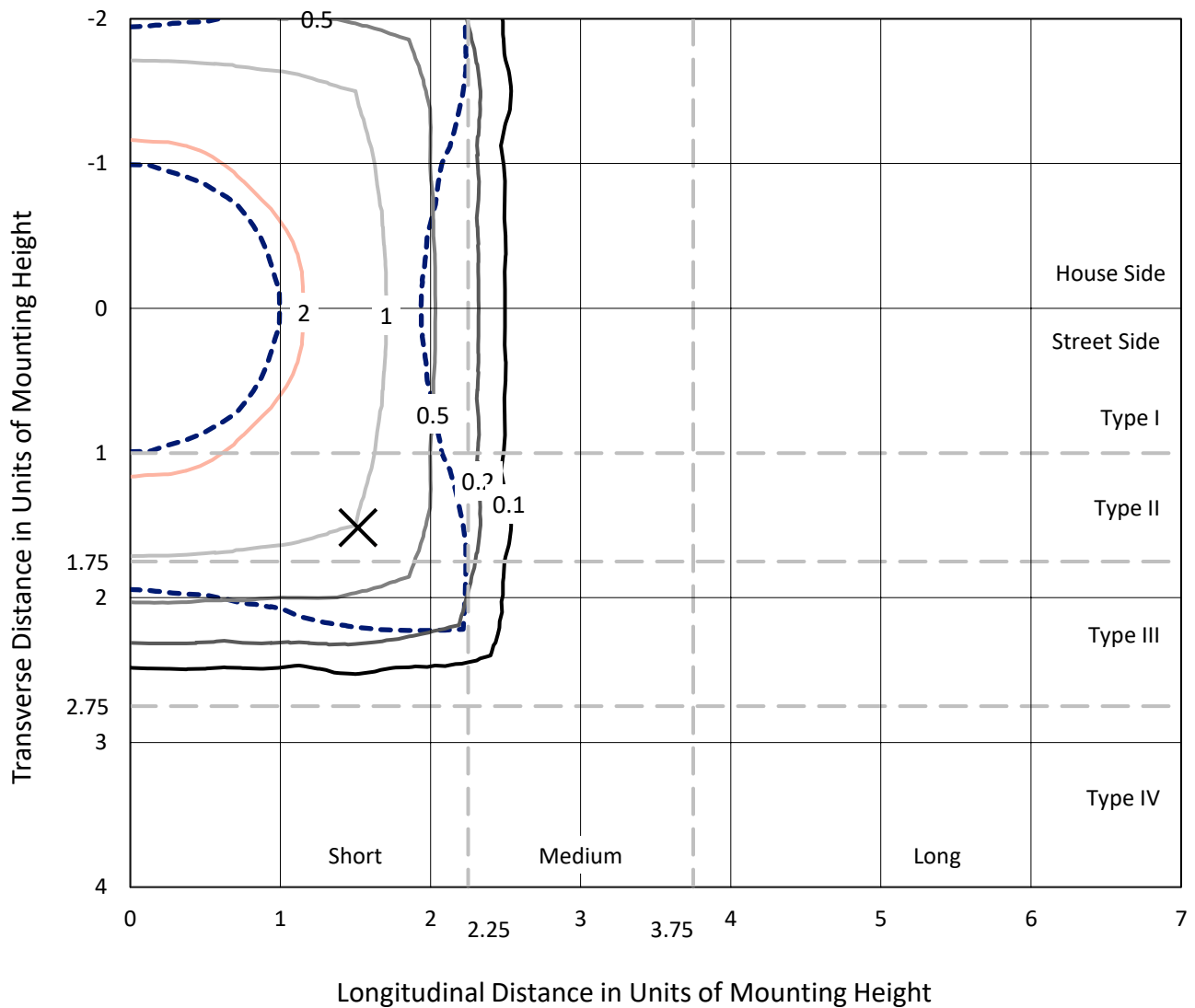
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

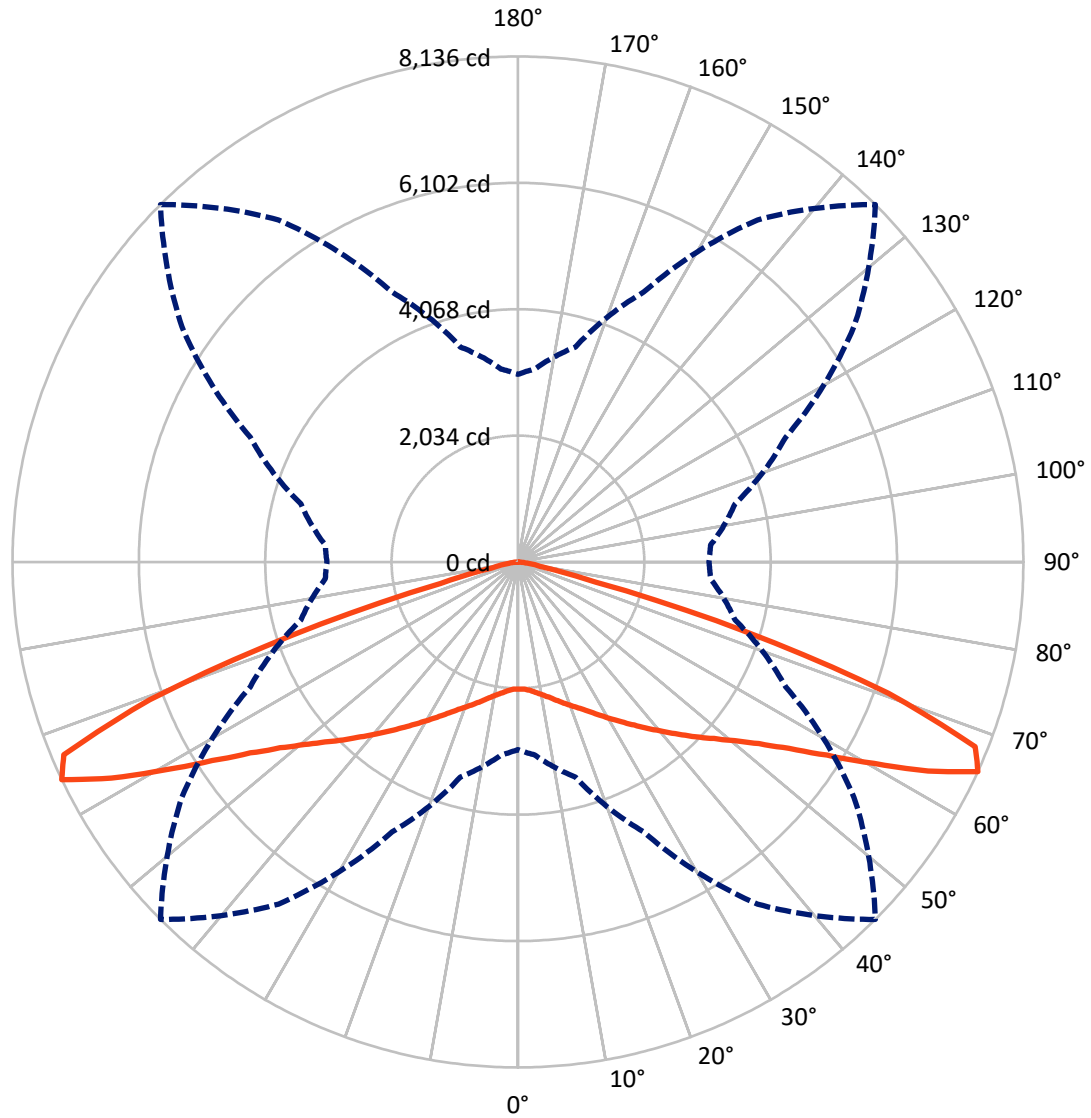
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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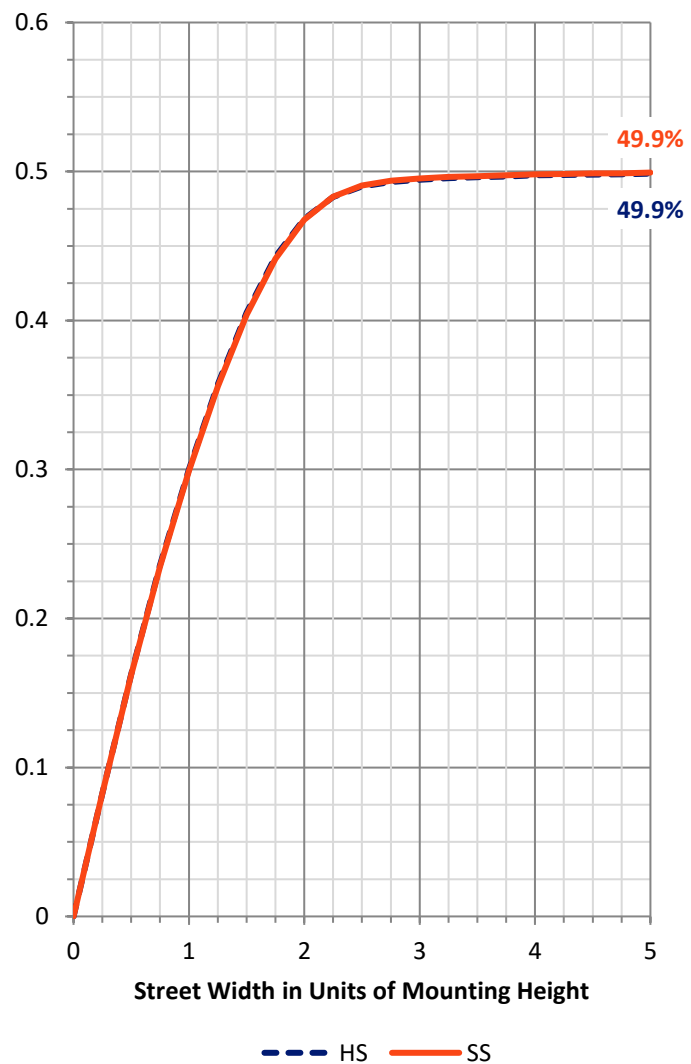
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8603.0	0.0	8603.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8603.0	0.0	8603.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17206.0	0.0	17206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.1	1.2
10°-20°	659.4	3.8
20°-30°	1245.1	7.2
30°-40°	2038.8	11.8
40°-50°	3161.1	18.4
50°-60°	4669.6	27.1
60°-70°	4445.0	25.8
70°-80°	717.3	4.2
80°-90°	67.6	0.4
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°	17206.0	100.0
0°-180°	17206.0	100.0

Coefficient of Utilization



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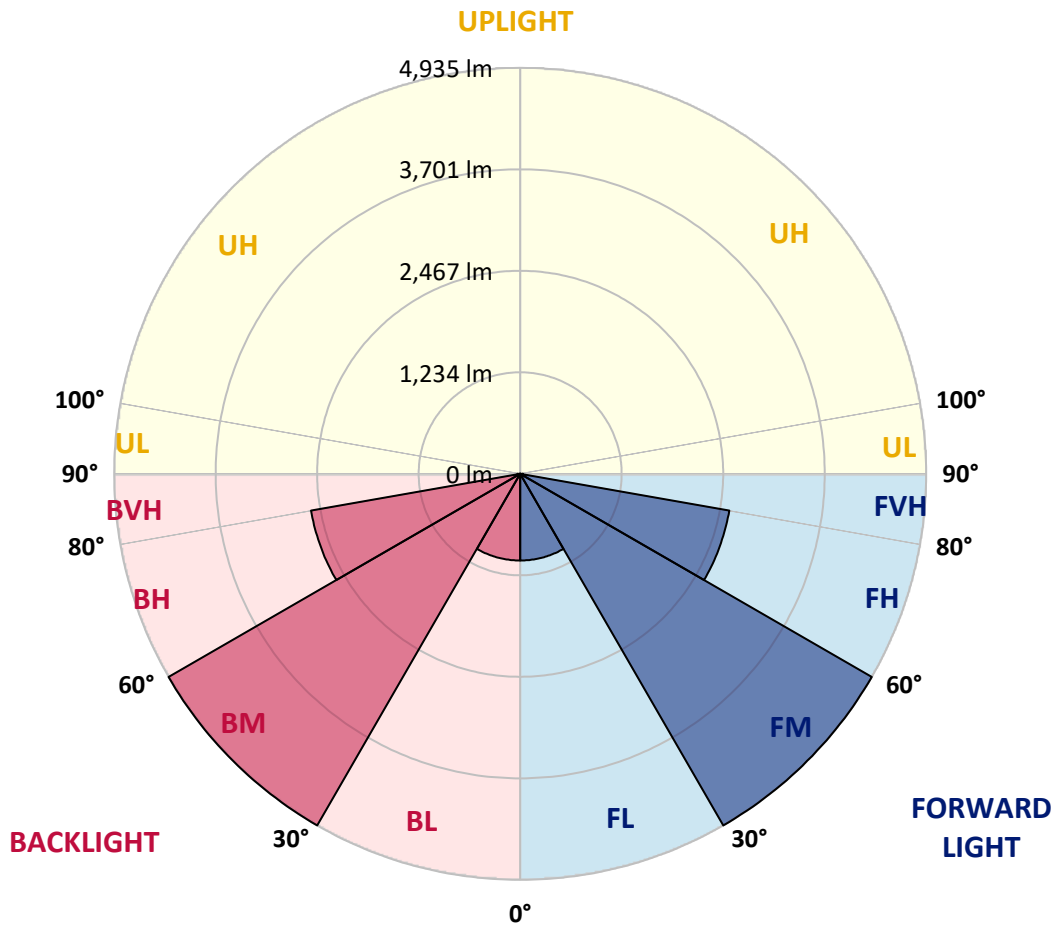
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.3	6.1			
FM (30°-60°)	4934.7	28.7			
FH (60°-80°)	2581.2	15.0			G2/5000
FVH (80°-90°)	33.8	0.2			G1/100
BL (0°-30°)	1053.3	6.1	B3/2500		
BM (30°-60°)	4934.7	28.7	B3/5000		
BH (60°-80°)	2581.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	33.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7
2.5°	2061.5	2054.6	2059.8	2055.5	2052.0	2048.5	2050.3	2056.3	2058.9	2059.8
5°	2089.1	2083.1	2085.7	2085.7	2079.6	2077.9	2078.8	2083.1	2088.3	2088.3
7.5°	2134.0	2128.0	2134.0	2130.6	2125.4	2123.7	2122.8	2126.2	2134.0	2134.0
10°	2188.4	2181.5	2184.9	2183.2	2177.2	2174.6	2173.7	2178.9	2185.8	2184.9
12.5°	2248.0	2240.2	2244.5	2239.3	2237.6	2235.0	2235.0	2234.2	2238.5	2235.0
15°	2314.4	2309.3	2311.0	2307.5	2310.1	2308.4	2301.5	2298.0	2299.8	2294.6
17.5°	2393.0	2380.9	2387.0	2385.2	2385.2	2388.7	2377.5	2373.1	2376.6	2371.4
20°	2483.6	2471.6	2474.1	2470.7	2466.4	2469.8	2456.0	2459.5	2462.1	2458.6
22.5°	2582.9	2567.4	2566.5	2568.2	2558.7	2559.6	2550.1	2558.7	2563.9	2554.4
25°	2684.8	2668.4	2679.6	2675.3	2663.2	2665.8	2658.9	2667.5	2671.8	2659.7
27.5°	2792.7	2781.5	2791.8	2794.4	2779.7	2790.1	2779.7	2787.5	2791.8	2773.7
30°	2918.7	2907.5	2917.0	2923.9	2906.6	2923.0	2914.4	2919.6	2920.5	2898.9
32.5°	3056.0	3038.7	3062.9	3066.3	3047.4	3067.2	3056.0	3062.9	3067.2	3037.9
35°	3223.5	3201.9	3229.5	3225.2	3208.8	3225.2	3214.8	3225.2	3235.6	3200.2
37.5°	3403.9	3381.4	3410.8	3403.0	3387.5	3398.7	3392.7	3399.6	3416.0	3378.0
40°	3602.4	3574.8	3614.5	3600.7	3586.0	3584.3	3587.8	3592.1	3613.7	3571.4
42.5°	3814.8	3785.5	3845.0	3823.4	3802.7	3788.9	3800.1	3808.8	3829.5	3782.0
45°	4057.4	4023.7	4101.4	4075.5	4042.7	4014.2	4032.4	4045.3	4075.5	4018.5
47.5°	4325.0	4287.0	4369.9	4362.1	4308.6	4246.4	4287.9	4325.0	4347.4	4278.4
50°	4586.6	4557.2	4666.0	4675.5	4609.9	4522.7	4580.5	4636.6	4642.7	4552.0
52.5°	4831.7	4802.4	4960.4	5019.9	4961.2	4857.6	4918.9	4975.9	4930.2	4812.8
55°	5027.7	5003.5	5204.7	5358.3	5378.2	5292.7	5329.0	5327.3	5177.1	4996.6
57.5°	5075.2	5071.7	5325.5	5651.0	5858.2	5868.5	5796.9	5613.9	5290.1	5047.6
60°	4859.4	4881.0	5229.7	5803.8	6356.3	6585.9	6276.0	5753.7	5161.5	4824.8
62.5°	4213.6	4270.6	4691.0	5617.3	6758.6	7411.2	6660.2	5541.4	4633.2	4193.8
65°	3019.7	3119.0	3583.5	4793.8	6722.3	8136.4	6604.9	4754.9	3618.0	3111.2
67.5°	1370.0	1471.0	1865.5	3282.2	5843.5	7939.5	5829.7	3316.7	1958.8	1476.2
70°	496.4	513.6	640.5	1313.9	3734.5	6326.1	3894.2	1323.4	681.1	547.3
72.5°	300.4	303.0	329.8	470.5	1297.5	3840.7	1352.8	486.0	336.7	298.7
75°	190.8	189.1	234.8	287.5	460.1	1295.8	482.6	287.5	233.9	213.2
77.5°	137.3	141.6	168.3	215.0	290.1	439.4	284.9	205.5	168.3	138.1
80°	102.7	105.3	122.6	167.5	203.7	273.7	181.3	151.9	126.9	86.3
82.5°	74.2	74.2	80.3	121.7	124.3	147.6	98.4	107.0	83.7	61.3
85°	44.0	43.2	50.1	72.5	64.7	54.4	44.9	65.6	52.7	38.0
87.5°	15.5	16.4	15.5	20.7	17.3	14.7	13.8	18.1	14.7	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2047.7
2059.8
2088.3
2131.4
2183.2
2236.7
2295.4
2375.7
2466.4
2563.9
2673.6
2787.5
2911.8
3057.7
3221.7
3401.3
3585.2
3807.0
4047.9
4301.7
4563.3
4816.2
5002.7
5032.0
4785.1
4167.9
3074.1
1454.6
540.4
303.9
215.0
140.7
88.9
61.3
37.1
12.1
0.0

OF REPORT)