

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: P944300

Luminaire Tested: **GALN-SB9A-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944300  
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-SB9A-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

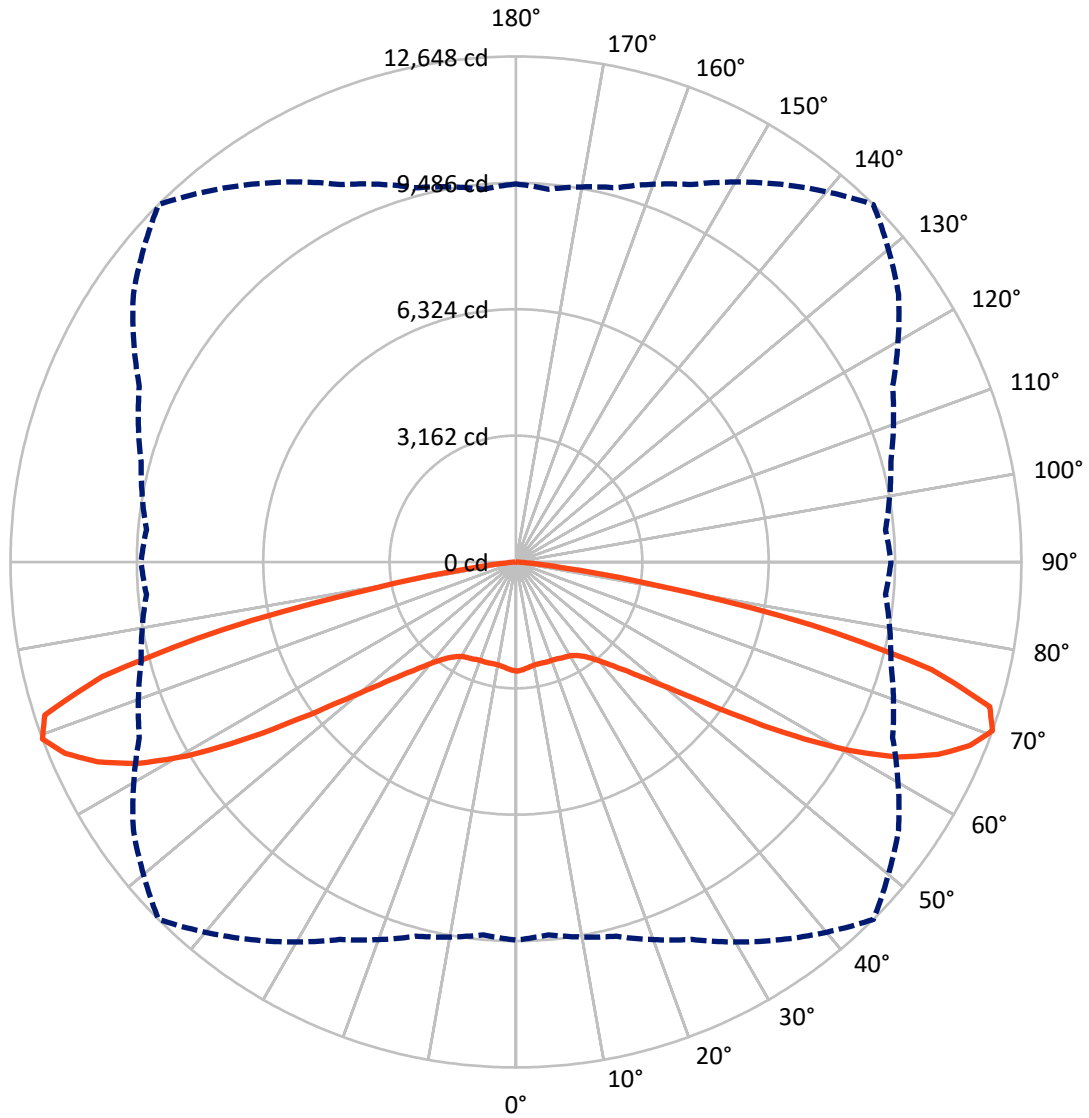
Lumens per Lamp: N/A  
Luminaire Lumens: 29948 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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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### 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
<b>House Side</b>	Lumens	14974.0	0.0	14974.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14974.0	0.0	14974.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29948.0	0.0	29948.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.1	0.8
10°-20°	746.2	2.5
20°-30°	1241.8	4.1
30°-40°	1877.9	6.3
40°-50°	3120.6	10.4
50°-60°	5888.5	19.7
60°-70°	9943.0	33.2
70°-80°	6533.6	21.8
80°-90°	342.3	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°	29948.0	100.0
0°-180°	29948.0	100.0

**Coefficient of Utilization**



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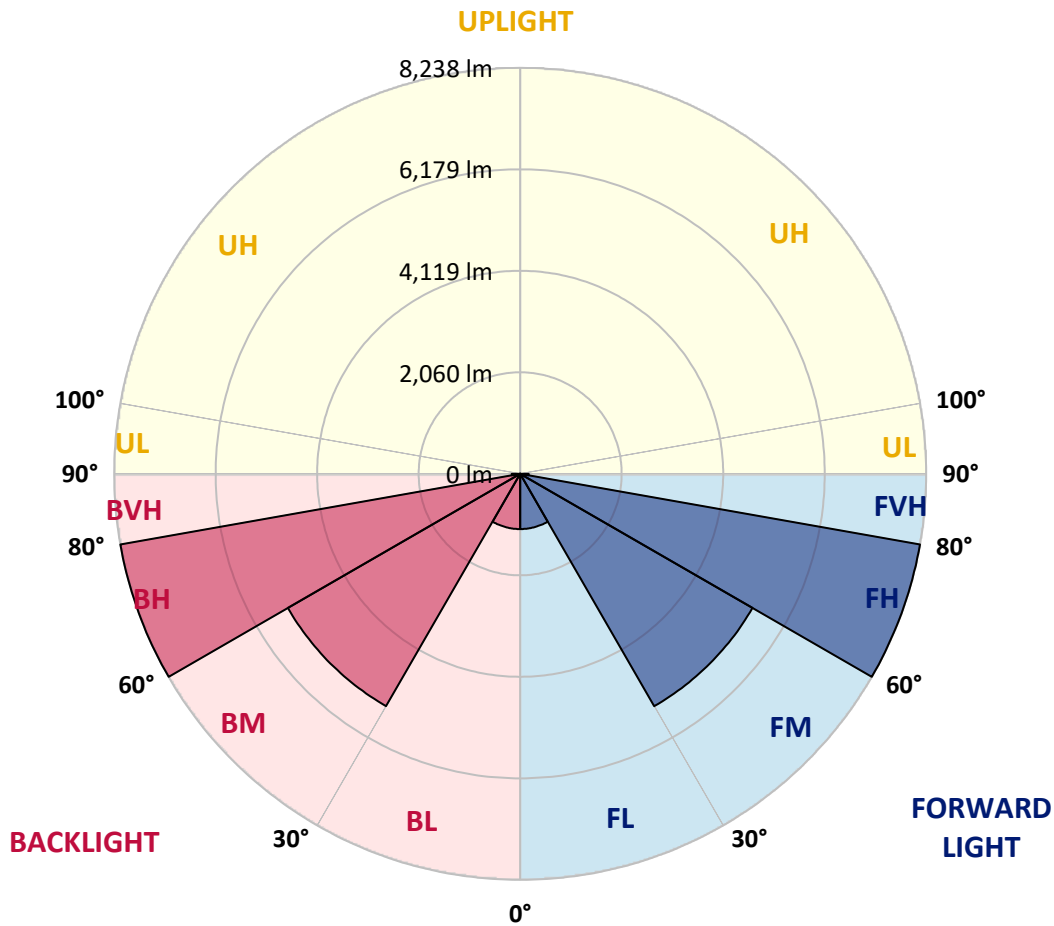
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1121.0	3.7			
FM (30°-60°)	5443.5	18.2			
FH (60°-80°)	8238.3	27.5			G4/12000
FVH (80°-90°)	171.1	0.6			G2/225
BL (0°-30°)	1121.0	3.7	B3/2500		
BM (30°-60°)	5443.5	18.2	B4/8500		
BH (60°-80°)	8238.3	27.5	B5		G4/12000
BVH (80°-90°)	171.1	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-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2731.9	2731.9	2731.9	2731.9	2731.9	2731.9	2731.9	2731.9	2731.9	2731.9
2.5°	2714.7	2722.5	2719.4	2713.2	2713.2	2708.5	2713.2	2716.3	2721.0	2724.1
5°	2678.9	2685.2	2683.6	2678.9	2680.5	2675.8	2678.9	2683.6	2686.7	2688.3
7.5°	2647.8	2654.0	2650.9	2643.1	2643.1	2638.5	2640.0	2644.7	2649.4	2650.9
10°	2640.0	2646.2	2636.9	2624.5	2619.8	2613.6	2615.1	2619.8	2629.1	2633.8
12.5°	2643.1	2647.8	2638.5	2619.8	2615.1	2608.9	2608.9	2613.6	2626.0	2632.2
15°	2652.5	2657.1	2643.1	2622.9	2618.2	2613.6	2612.0	2618.2	2632.2	2643.1
17.5°	2669.6	2674.3	2652.5	2624.5	2618.2	2619.8	2618.2	2622.9	2644.7	2664.9
20°	2685.2	2688.3	2658.7	2624.5	2618.2	2619.8	2618.2	2627.6	2655.6	2683.6
22.5°	2689.8	2692.9	2664.9	2635.4	2630.7	2632.2	2630.7	2640.0	2666.5	2694.5
25°	2691.4	2696.1	2674.3	2650.9	2658.7	2661.8	2658.7	2660.3	2680.5	2705.4
27.5°	2714.7	2721.0	2700.7	2680.5	2685.2	2683.6	2688.3	2692.9	2708.5	2733.4
30°	2763.0	2767.7	2750.5	2730.3	2727.2	2716.3	2730.3	2745.9	2763.0	2784.8
32.5°	2842.4	2851.7	2829.9	2808.1	2794.1	2787.9	2798.8	2825.3	2848.6	2872.0
35°	2974.7	2980.9	2960.7	2920.2	2895.3	2895.3	2904.6	2938.9	2976.2	3005.8
37.5°	3161.5	3169.3	3133.5	3085.2	3047.9	3047.9	3060.3	3096.1	3152.1	3194.2
40°	3388.8	3399.6	3354.5	3304.7	3268.9	3262.7	3278.2	3318.7	3371.6	3424.6
42.5°	3662.7	3675.2	3616.0	3572.4	3544.4	3544.4	3552.2	3589.6	3637.8	3703.2
45°	4013.0	4034.7	3953.8	3910.2	3883.8	3890.0	3894.7	3927.3	3970.9	4045.6
47.5°	4430.1	4451.9	4366.3	4321.2	4316.5	4346.1	4327.4	4350.7	4374.1	4459.7
50°	4903.3	4940.7	4881.5	4878.4	4887.8	4942.3	4898.7	4911.1	4884.7	4939.1
52.5°	5482.4	5536.9	5526.0	5544.7	5649.0	5761.0	5661.4	5617.8	5518.2	5535.3
55°	6184.4	6266.9	6282.5	6394.6	6631.2	6860.0	6648.3	6472.4	6260.7	6221.8
57.5°	6983.0	7048.4	7123.1	7351.9	7794.0	8200.3	7794.0	7404.8	7071.7	6992.3
60°	7842.2	7923.2	7994.8	8332.6	8989.5	9560.7	8977.0	8359.0	7918.5	7811.1
62.5°	8765.3	8869.6	8919.4	9294.6	10060.4	10742.2	10071.3	9322.6	8833.8	8718.6
65°	9651.0	9736.6	9792.7	10192.7	10924.3	11607.7	10974.1	10236.3	9733.5	9582.5
67.5°	10063.5	10110.2	10247.2	10700.2	11472.3	12252.1	11603.0	10748.4	10186.5	9921.9
70°	9459.6	9364.6	9694.6	10420.0	11537.6	12647.5	11687.1	10398.2	9710.2	9280.5
72.5°	7309.9	7146.4	7719.3	8959.9	10790.5	12395.3	10865.2	9029.9	8075.7	7204.0
75°	3977.2	3791.9	4582.7	6151.7	8605.0	10743.8	8802.7	6327.6	5102.6	3947.6
77.5°	1122.3	1052.3	1690.5	2976.2	5175.7	7543.4	5375.0	3041.6	2004.9	1189.3
80°	344.0	333.1	451.4	896.6	2197.9	3612.9	2112.3	907.5	574.4	362.7
82.5°	203.9	186.8	224.2	326.9	560.4	1134.8	544.8	340.9	274.0	183.7
85°	116.7	109.0	132.3	158.8	188.4	241.3	157.2	161.9	146.3	98.1
87.5°	48.3	43.6	51.4	49.8	43.6	56.0	42.0	49.8	59.2	38.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2731.9
2722.5
2688.3
2650.9
2633.8
2633.8
2644.7
2664.9
2685.2
2694.5
2703.8
2727.2
2780.1
2862.6
2994.9
3178.6
3407.4
3698.5
4042.5
4434.8
4906.5
5477.7
6161.1
6936.3
7717.7
8625.2
9507.8
9925.0
9383.3
7420.4
4204.4
1321.6
382.9
199.2
102.7
35.8
0.0

OF REPORT)