

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: P942870

Luminaire Tested: **GALN-SB7A-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942870
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-SB7A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

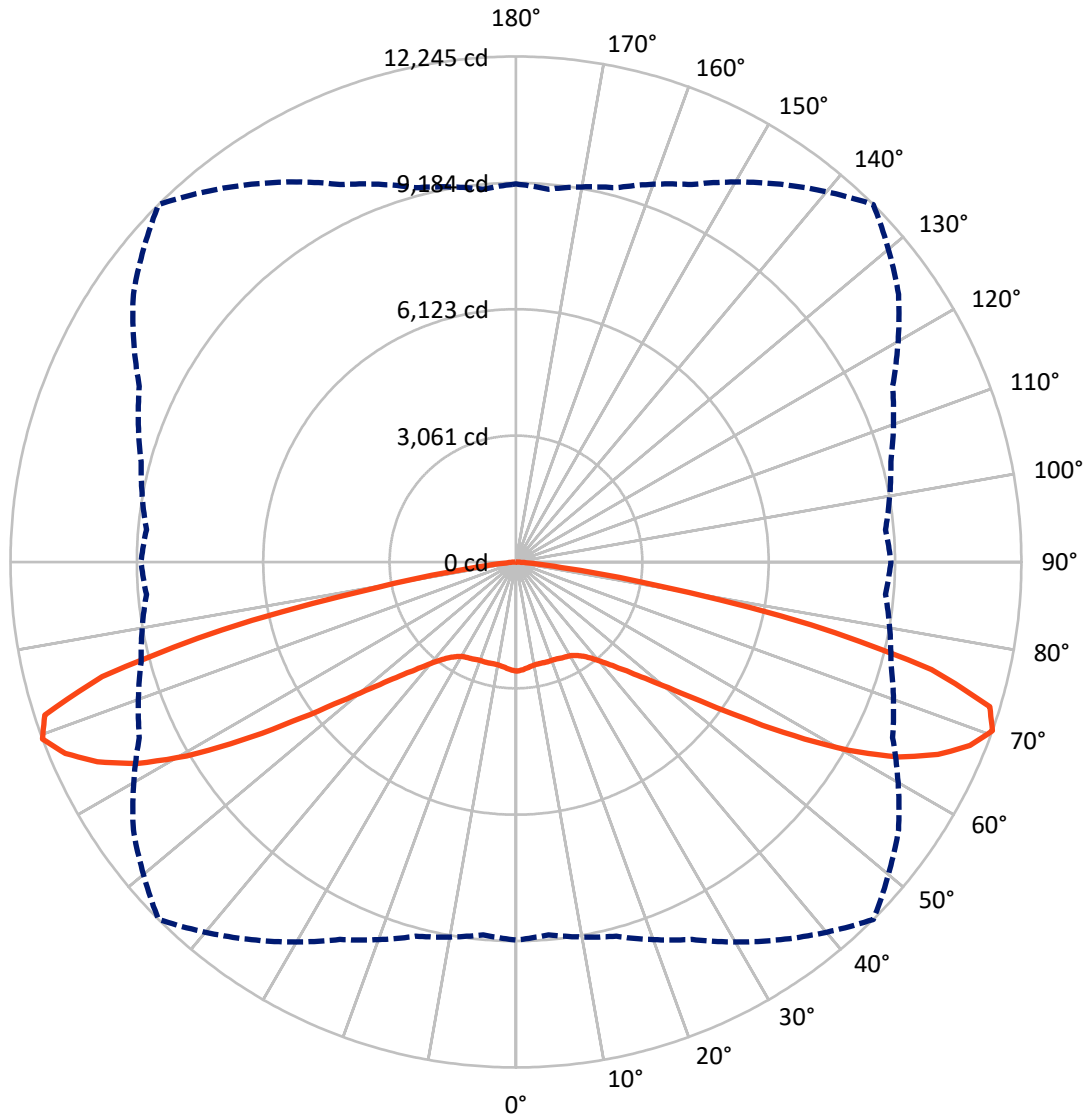
Lumens per Lamp: N/A
Luminaire Lumens: 28995 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 199.1
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
House Side	Lumens	14497.5	0.0	14497.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14497.5	0.0	14497.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28995.0	0.0	28995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.0	0.8
10°-20°	722.4	2.5
20°-30°	1202.2	4.1
30°-40°	1818.2	6.3
40°-50°	3021.3	10.4
50°-60°	5701.1	19.7
60°-70°	9626.6	33.2
70°-80°	6325.7	21.8
80°-90°	331.4	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°	28995.0	100.0
0°-180°	28995.0	100.0

Coefficient of Utilization



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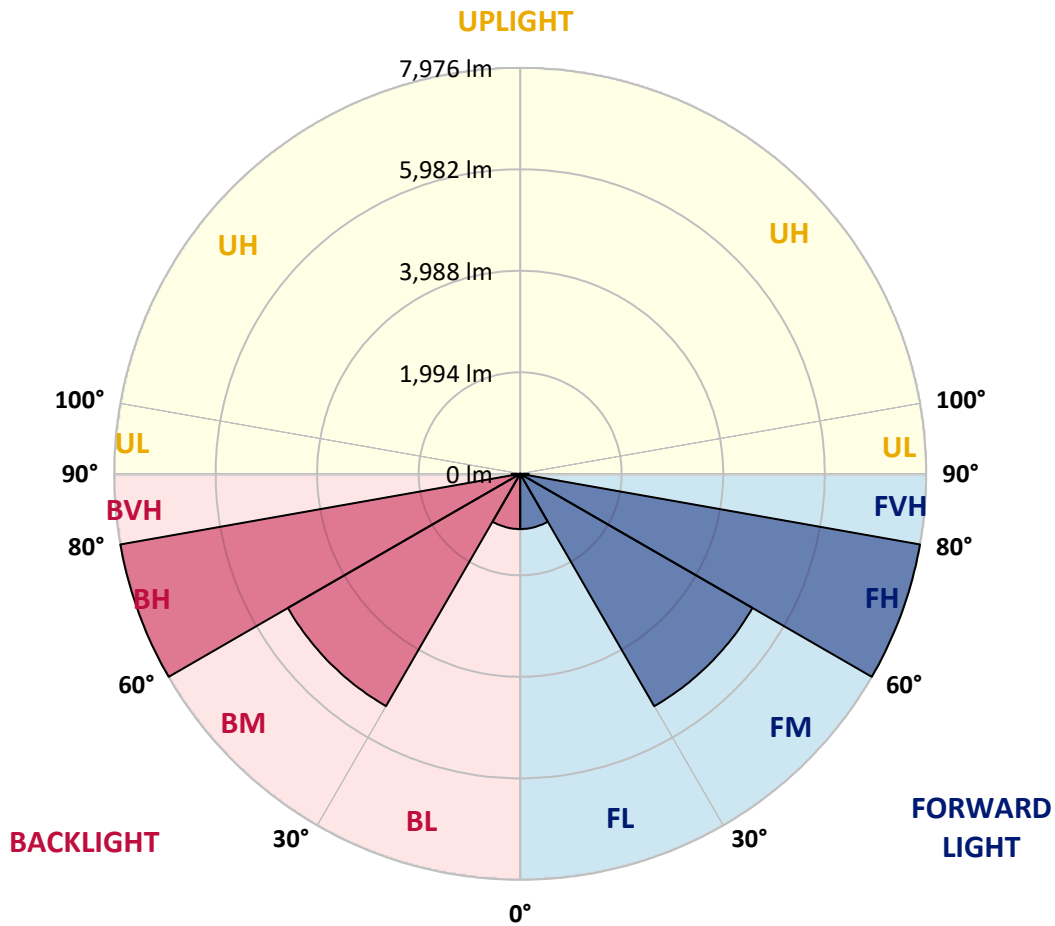
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1085.4	3.7			
FM (30°-60°)	5270.3	18.2			
FH (60°-80°)	7976.1	27.5			G4/12000
FVH (80°-90°)	165.7	0.6			G2/225
BL (0°-30°)	1085.4	3.7	B3/2500		
BM (30°-60°)	5270.3	18.2	B4/8500		
BH (60°-80°)	7976.1	27.5	B5		G4/12000
BVH (80°-90°)	165.7	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°	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9	2644.9
2.5°	2628.3	2635.9	2632.9	2626.8	2626.8	2622.3	2626.8	2629.9	2634.4	2637.4
5°	2593.7	2599.7	2598.2	2593.7	2595.2	2590.7	2593.7	2598.2	2601.2	2602.7
7.5°	2563.5	2569.6	2566.6	2559.0	2559.0	2554.5	2556.0	2560.5	2565.1	2566.6
10°	2556.0	2562.0	2553.0	2540.9	2536.4	2530.4	2531.9	2536.4	2545.5	2550.0
12.5°	2559.0	2563.5	2554.5	2536.4	2531.9	2525.9	2525.9	2530.4	2542.4	2548.5
15°	2568.1	2572.6	2559.0	2539.4	2534.9	2530.4	2528.9	2534.9	2548.5	2559.0
17.5°	2584.6	2589.2	2568.1	2540.9	2534.9	2536.4	2534.9	2539.4	2560.5	2580.1
20°	2599.7	2602.7	2574.1	2540.9	2534.9	2536.4	2534.9	2544.0	2571.1	2598.2
22.5°	2604.2	2607.3	2580.1	2551.5	2547.0	2548.5	2547.0	2556.0	2581.6	2608.8
25°	2605.7	2610.3	2589.2	2566.6	2574.1	2577.1	2574.1	2575.6	2595.2	2619.3
27.5°	2628.3	2634.4	2614.8	2595.2	2599.7	2598.2	2602.7	2607.3	2622.3	2646.4
30°	2675.1	2679.6	2663.0	2643.4	2640.4	2629.9	2643.4	2658.5	2675.1	2696.2
32.5°	2751.9	2761.0	2739.9	2718.8	2705.2	2699.2	2709.7	2735.4	2758.0	2780.6
35°	2880.0	2886.1	2866.5	2827.3	2803.2	2803.2	2812.2	2845.4	2881.5	2910.2
37.5°	3060.9	3068.4	3033.8	2987.0	2950.9	2950.9	2962.9	2997.6	3051.8	3092.5
40°	3280.9	3291.5	3247.8	3199.5	3164.9	3158.8	3173.9	3213.1	3264.3	3315.6
42.5°	3546.2	3558.2	3500.9	3458.8	3431.6	3431.6	3439.2	3475.3	3522.0	3585.3
45°	3885.3	3906.4	3828.0	3785.8	3760.2	3766.2	3770.7	3802.4	3844.6	3916.9
47.5°	4289.2	4310.3	4227.4	4183.7	4179.1	4207.8	4189.7	4212.3	4234.9	4317.8
50°	4747.3	4783.5	4726.2	4723.2	4732.2	4785.0	4742.8	4754.8	4729.2	4782.0
52.5°	5307.9	5360.7	5350.1	5368.2	5469.2	5577.7	5481.3	5439.1	5342.6	5359.2
55°	5987.6	6067.5	6082.6	6191.1	6420.2	6641.7	6436.7	6266.4	6061.5	6023.8
57.5°	6760.8	6824.1	6896.4	7117.9	7546.0	7939.3	7546.0	7169.2	6846.7	6769.8
60°	7592.7	7671.0	7740.4	8067.4	8703.4	9256.5	8691.3	8093.0	7666.5	7562.5
62.5°	8486.4	8587.3	8635.6	8998.8	9740.3	10400.4	9750.8	9025.9	8552.7	8441.2
65°	9343.9	9426.8	9481.0	9868.4	10576.7	11238.3	10624.9	9910.6	9423.8	9277.6
67.5°	9743.3	9788.5	9921.1	10359.7	11107.2	11862.2	11233.8	10406.4	9862.3	9606.1
70°	9158.5	9066.6	9386.1	10088.4	11170.5	12245.0	11315.2	10067.3	9401.2	8985.2
72.5°	7077.3	6919.0	7473.6	8674.8	10447.1	12000.9	10519.4	8742.6	7818.7	6974.8
75°	3850.6	3671.3	4436.8	5956.0	8331.1	10401.9	8522.5	6126.3	4940.2	3822.0
77.5°	1086.6	1018.8	1636.7	2881.5	5011.0	7303.3	5204.0	2944.8	1941.1	1151.4
80°	333.1	322.5	437.1	868.1	2128.0	3497.9	2045.1	878.6	556.1	351.1
82.5°	197.4	180.8	217.0	316.5	542.5	1098.7	527.5	330.1	265.2	177.8
85°	113.0	105.5	128.1	153.7	182.4	233.6	152.2	156.7	141.7	94.9
87.5°	46.7	42.2	49.7	48.2	42.2	54.3	40.7	48.2	57.3	37.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2644.9
2635.9
2602.7
2566.6
2550.0
2550.0
2560.5
2580.1
2599.7
2608.8
2617.8
2640.4
2691.6
2771.5
2899.6
3077.5
3299.0
3580.8
3913.9
4293.7
4750.3
5303.4
5965.0
6715.6
7472.1
8350.7
9205.3
9609.2
9084.7
7184.3
4070.6
1279.5
370.7
192.9
99.5
34.7
0.0

OF REPORT)