

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: P953717

Luminaire Tested: **GALN-SB7A-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953717  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7A-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

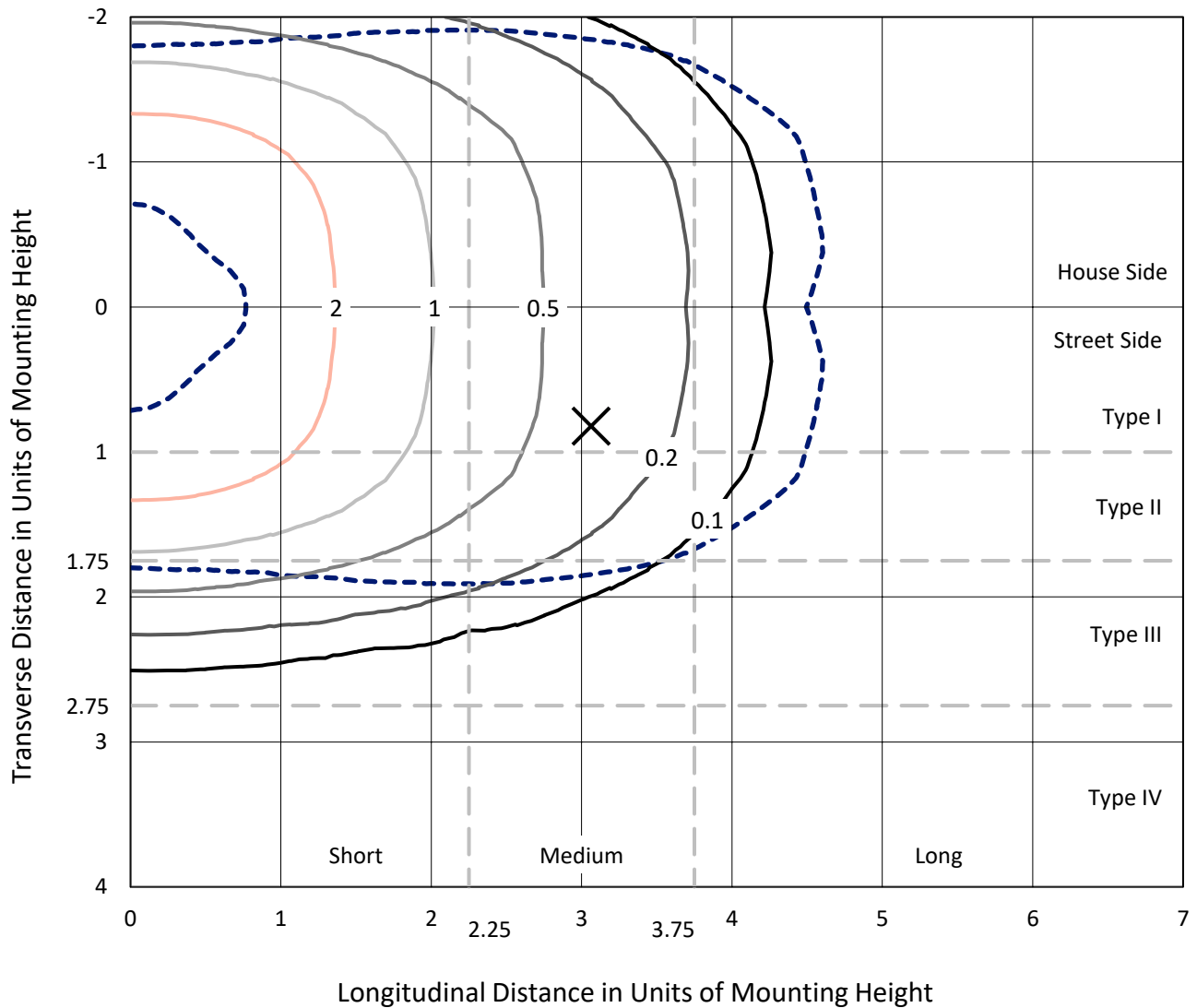
Lumens per Lamp: N/A  
Luminaire Lumens: 23805 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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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### Iso-Footcandle Lines of Horizontal Illumination

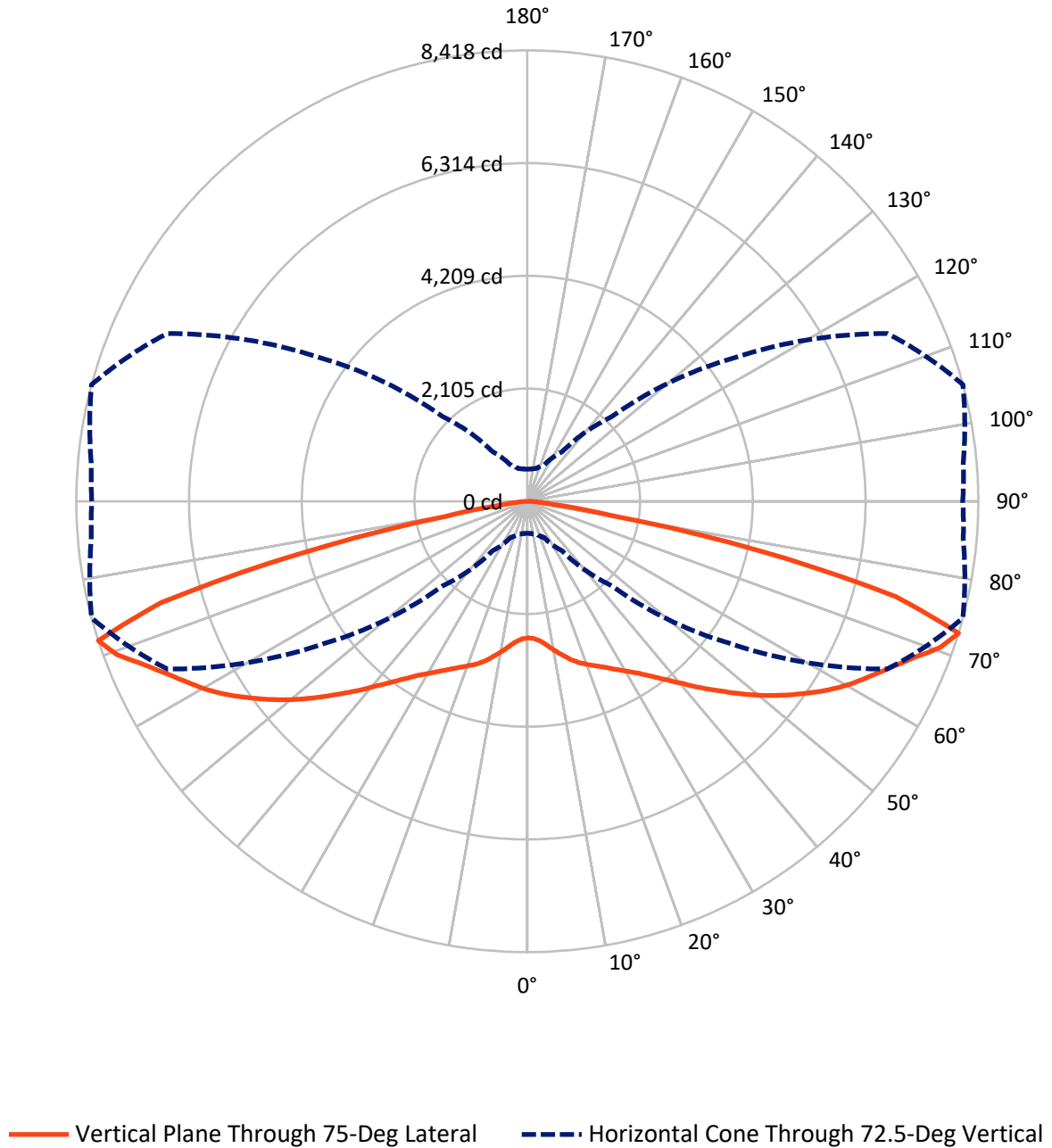
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11902.5	0.0	11902.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11902.5	0.0	11902.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23805.0	0.0	23805.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.8	1.0
10°-20°	823.9	3.5
20°-30°	1591.9	6.7
30°-40°	2688.1	11.3
40°-50°	4263.0	17.9
50°-60°	5707.6	24.0
60°-70°	5431.8	22.8
70°-80°	2834.4	11.9
80°-90°	214.6	0.9
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°	23805.0	100.0
0°-180°	23805.0	100.0

**Coefficient of Utilization**



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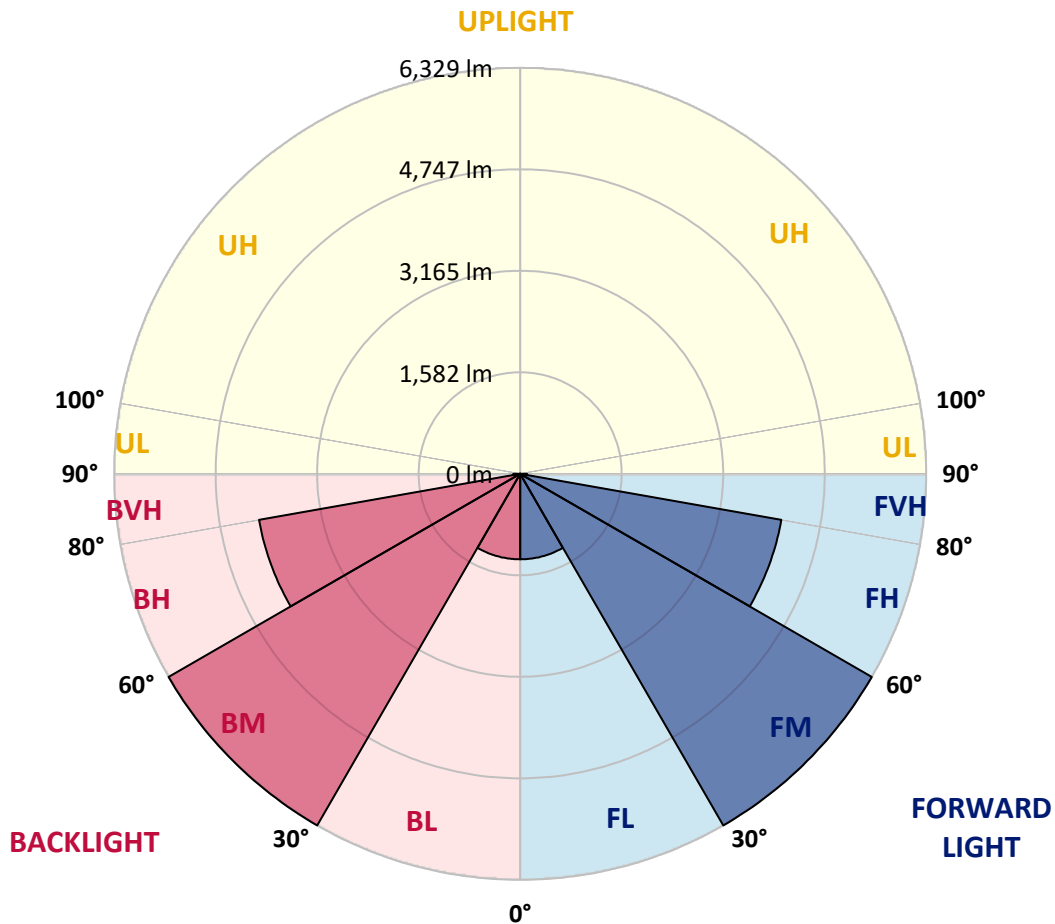
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1332.8	5.6			
FM (30°-60°)	6329.3	26.6			
FH (60°-80°)	4133.1	17.4			G2/5000
FVH (80°-90°)	107.3	0.5			G2/225
BL (0°-30°)	1332.8	5.6	B3/2500		
BM (30°-60°)	6329.3	26.6	B4/8500		
BH (60°-80°)	4133.1	17.4	B4/5000		G4/5000
BVH (80°-90°)	107.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2549.9	2549.9	2549.9	2549.9	2549.9	2549.9	2549.9	2549.9	2549.9	2549.9
2.5°	2549.9	2547.5	2549.9	2552.4	2551.2	2551.2	2557.2	2560.9	2568.2	2567.0
5°	2532.9	2531.7	2541.4	2552.4	2560.9	2575.5	2593.7	2607.1	2624.1	2627.7
7.5°	2524.4	2520.8	2537.8	2557.2	2584.0	2620.4	2655.7	2692.1	2721.3	2731.0
10°	2530.5	2531.7	2554.8	2591.3	2633.8	2684.9	2734.7	2796.7	2838.0	2847.7
12.5°	2558.4	2556.0	2594.9	2653.3	2711.6	2776.0	2834.3	2902.4	2947.4	2970.5
15°	2609.5	2604.6	2659.3	2745.6	2830.7	2906.1	2953.5	3017.9	3070.1	3099.3
17.5°	2670.3	2672.7	2744.4	2856.2	2968.0	3053.1	3098.1	3130.9	3171.0	3196.5
20°	2777.2	2782.1	2862.3	2994.8	3122.4	3219.6	3256.1	3243.9	3254.9	3274.3
22.5°	2920.6	2923.1	3013.0	3156.4	3290.1	3397.1	3421.4	3371.6	3341.2	3354.5
25°	3087.2	3103.0	3192.9	3340.0	3477.3	3579.4	3590.3	3515.0	3439.6	3443.3
27.5°	3290.1	3304.7	3395.9	3541.7	3681.5	3770.2	3769.0	3668.1	3557.5	3529.6
30°	3510.1	3525.9	3619.5	3770.2	3900.3	3978.1	3961.0	3840.7	3682.7	3630.4
32.5°	3771.4	3781.2	3876.0	4026.7	4147.0	4209.0	4173.7	4025.5	3828.6	3769.0
35°	4087.4	4102.0	4172.5	4314.7	4420.5	4471.5	4412.0	4236.9	4015.7	3948.9
37.5°	4448.4	4438.7	4518.9	4645.3	4732.8	4764.4	4683.0	4475.2	4229.6	4150.6
40°	4825.2	4820.3	4907.8	5029.4	5076.8	5096.2	4975.9	4748.6	4476.4	4391.3
42.5°	5166.7	5163.1	5281.0	5415.9	5473.0	5451.1	5299.2	5039.1	4762.0	4664.8
45°	5440.2	5435.3	5580.0	5769.6	5881.4	5844.9	5640.7	5360.0	5051.3	4950.4
47.5°	5650.5	5652.9	5808.5	6043.0	6238.7	6252.1	5989.6	5686.9	5369.7	5255.5
50°	5802.4	5809.7	5976.2	6236.3	6503.7	6621.6	6345.7	6022.4	5699.1	5570.2
52.5°	5840.1	5853.4	6054.0	6359.1	6673.8	6898.7	6707.9	6344.5	6011.4	5888.7
55°	5639.5	5666.3	5920.3	6349.3	6778.4	7081.0	7026.3	6671.4	6326.2	6199.8
57.5°	5178.9	5216.6	5513.1	6073.4	6755.3	7206.2	7273.0	6985.0	6641.0	6519.5
60°	4533.5	4578.5	4862.9	5474.2	6429.5	7252.4	7446.9	7290.1	6930.3	6812.4
62.5°	3560.0	3618.3	3958.6	4675.7	5741.6	7037.3	7595.1	7566.0	7190.4	7043.3
65°	2283.8	2345.8	2704.3	3551.4	4824.0	6378.5	7641.3	7834.6	7465.1	7259.7
67.5°	1377.1	1405.0	1582.5	2152.5	3525.9	5385.5	7250.0	8132.3	7786.0	7530.7
70°	881.2	897.0	1002.7	1264.0	1993.3	3929.4	6280.1	8188.3	8174.9	7809.0
72.5°	598.0	602.8	630.8	748.7	1127.9	2232.7	4631.9	7412.8	8418.0	8167.6
75°	437.5	464.3	509.3	529.9	640.5	1115.8	2654.5	5208.1	7094.4	7203.8
77.5°	325.7	326.9	388.9	413.2	457.0	594.3	1123.0	2907.3	4404.7	4624.7
80°	275.9	261.3	260.1	333.0	344.0	370.7	502.0	1003.9	1577.6	956.5
82.5°	229.7	213.9	193.3	260.1	234.6	227.3	217.6	408.4	502.0	246.7
85°	160.4	153.1	145.8	170.2	133.7	114.2	104.5	190.8	211.5	104.5
87.5°	69.3	71.7	72.9	75.4	55.9	40.1	40.1	53.5	53.5	41.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2549.9
2565.7
2627.7
2733.5
2857.4
2980.2
3110.2
3208.7
3288.9
3364.3
3449.3
3538.1
3636.5
3783.6
3958.6
4165.2
4419.3
4689.1
4973.5
5289.5
5609.1
5920.3
6235.1
6547.4
6837.9
7060.3
7285.2
7550.2
7806.6
8128.7
6938.8
4125.1
723.2
210.3
92.4
30.4
0.0

OF REPORT)