

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: P954070

Luminaire Tested: **GALN-SB7B-940-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7B-940-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

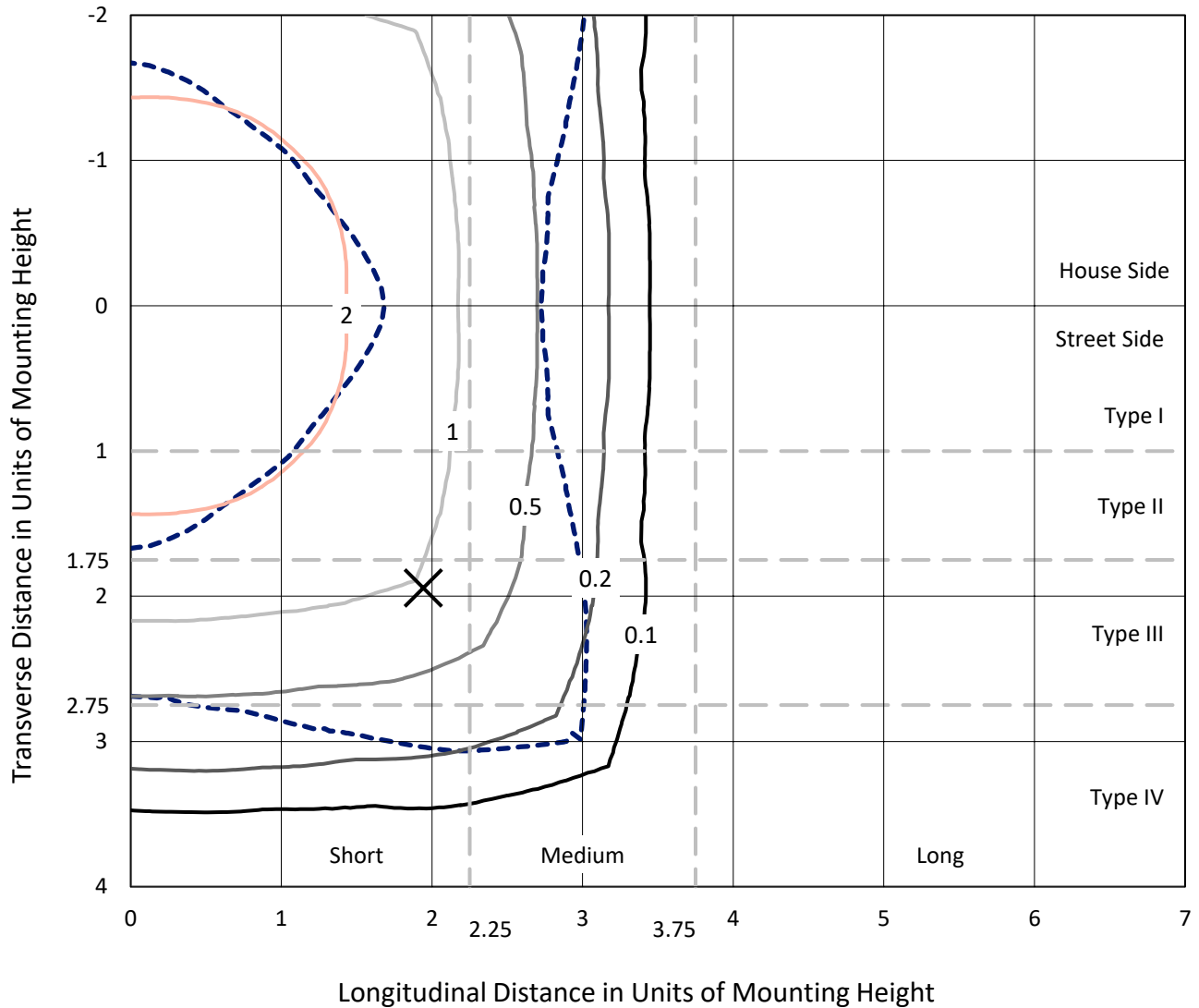
Lumens per Lamp: N/A  
Luminaire Lumens: 30390 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

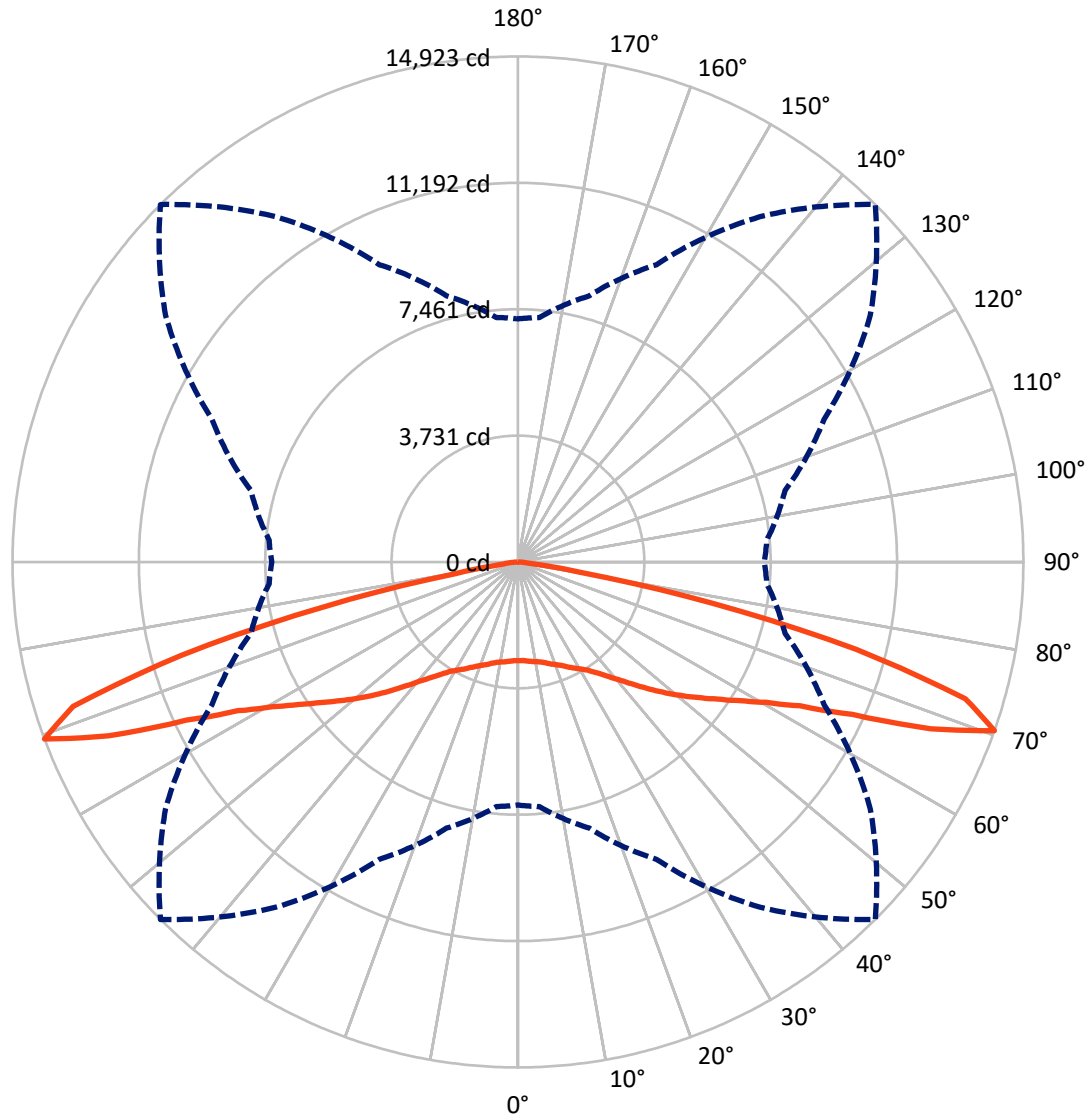
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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
<b>House Side</b>	Lumens	15195.0	0.0	15195.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15195.0	0.0	15195.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30390.0	0.0	30390.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.8	0.9
10°-20°	877.0	2.9
20°-30°	1567.2	5.2
30°-40°	2540.4	8.4
40°-50°	4138.0	13.6
50°-60°	6309.0	20.8
60°-70°	9385.8	30.9
70°-80°	5115.6	16.8
80°-90°	174.2	0.6
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°	30390.0	100.0
0°-180°	30390.0	100.0



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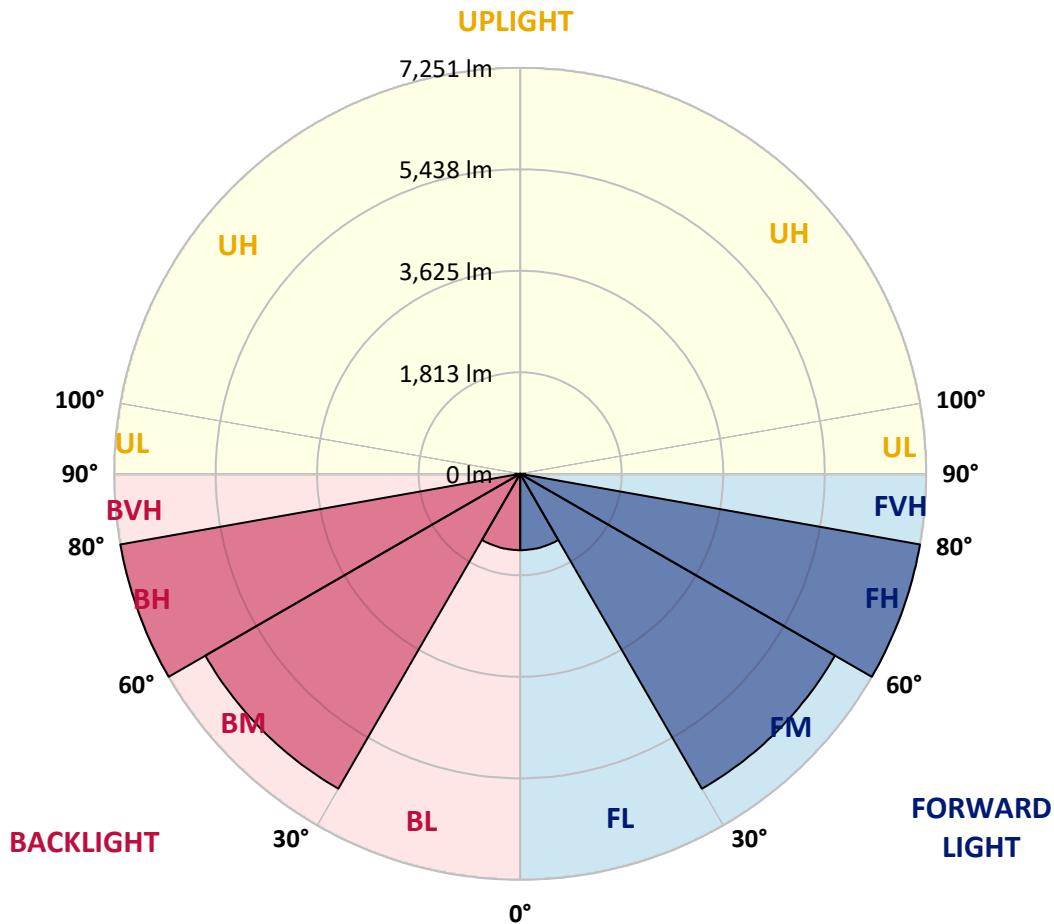
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.5	4.5			
FM (30°-60°)	6493.7	21.4			
FH (60°-80°)	7250.7	23.9			G3/7500
FVH (80°-90°)	87.1	0.3			G1/100
BL (0°-30°)	1363.5	4.5	B3/2500		
BM (30°-60°)	6493.7	21.4	B4/8500		
BH (60°-80°)	7250.7	23.9	B5		G3/7500
BVH (80°-90°)	87.1	0.3			G1/100
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°	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0	2911.0
2.5°	2924.8	2927.8	2921.7	2918.7	2915.6	2911.0	2912.6	2920.2	2926.3	2924.8
5°	2949.2	2952.2	2947.7	2946.1	2940.0	2938.5	2938.5	2946.1	2950.7	2947.7
7.5°	2976.7	2981.2	2973.6	2972.1	2969.0	2966.0	2964.4	2972.1	2976.7	2976.7
10°	3002.6	3007.2	3001.1	2996.5	2993.4	2993.4	2990.4	2996.5	3004.1	3002.6
12.5°	3030.1	3033.1	3027.0	3023.9	3023.9	3028.5	3023.9	3027.0	3033.1	3030.1
15°	3063.6	3065.1	3063.6	3068.2	3075.8	3091.1	3077.3	3074.3	3077.3	3069.7
17.5°	3109.4	3112.4	3118.5	3129.2	3139.9	3167.4	3143.0	3135.3	3135.3	3120.1
20°	3165.8	3170.4	3179.6	3197.9	3211.6	3237.5	3213.1	3202.5	3197.9	3178.0
22.5°	3225.3	3233.0	3246.7	3271.1	3295.5	3319.9	3295.5	3277.2	3263.5	3237.5
25°	3294.0	3303.2	3324.5	3364.2	3397.7	3432.8	3403.9	3367.2	3339.8	3303.2
27.5°	3391.6	3402.3	3428.3	3477.1	3519.8	3550.3	3522.9	3475.6	3437.4	3393.2
30°	3529.0	3539.6	3570.2	3622.0	3651.0	3670.8	3652.5	3615.9	3570.2	3519.8
32.5°	3705.9	3719.7	3753.2	3802.1	3808.2	3811.2	3805.1	3786.8	3753.2	3692.2
35°	3930.2	3945.5	3983.6	4023.3	4017.2	4023.3	4014.1	4008.0	3983.6	3913.4
37.5°	4204.8	4223.2	4262.8	4293.3	4278.1	4270.5	4272.0	4273.5	4259.8	4182.0
40°	4523.7	4548.1	4577.1	4609.2	4583.2	4560.3	4575.6	4587.8	4575.6	4496.3
42.5°	4851.7	4886.8	4917.4	4963.1	4941.8	4912.8	4934.1	4947.9	4921.9	4836.5
45°	5216.4	5250.0	5289.6	5358.3	5343.0	5312.5	5343.0	5346.1	5301.8	5201.1
47.5°	5593.2	5628.3	5687.8	5779.4	5773.3	5739.7	5779.4	5758.0	5701.6	5581.0
50°	5950.3	5999.1	6090.6	6218.8	6231.0	6189.8	6243.2	6202.0	6107.4	5956.4
52.5°	6285.9	6337.8	6482.7	6656.7	6700.9	6647.5	6719.2	6647.5	6505.6	6311.8
55°	6638.3	6696.3	6868.7	7096.1	7184.6	7144.9	7212.0	7103.7	6902.3	6667.3
57.5°	7053.3	7088.4	7294.4	7564.5	7714.0	7723.1	7753.6	7570.6	7326.4	7059.4
60°	7503.4	7552.2	7776.5	8100.0	8336.5	8412.7	8380.7	8109.1	7825.3	7518.7
62.5°	8080.1	8133.5	8402.1	8789.6	9163.4	9352.6	9227.5	8833.8	8482.9	8115.2
65°	8557.7	8617.2	9102.4	9793.5	10474.0	10853.9	10539.6	9814.9	9183.2	8664.5
67.5°	8211.4	8284.6	9045.9	10315.3	12007.3	13140.9	12065.3	10470.9	9233.6	8530.2
70°	7176.9	7245.6	8133.5	9685.2	12439.1	14922.9	12698.5	9970.5	8162.5	7375.3
72.5°	4764.8	4986.0	5884.6	7746.0	11107.1	13809.2	11217.0	7588.9	5459.0	4754.1
75°	1580.6	1757.6	2370.9	4015.7	7439.3	10327.5	7082.3	3553.4	1878.1	1351.8
77.5°	398.2	459.2	633.2	1148.9	2967.5	5880.1	2671.5	938.3	511.1	357.0
80°	193.8	213.6	305.1	383.0	743.0	1869.0	697.2	360.1	241.1	186.1
82.5°	106.8	108.3	172.4	216.7	276.2	483.6	286.8	210.5	138.8	112.9
85°	65.6	64.1	91.5	116.0	116.0	172.4	137.3	116.0	79.3	70.2
87.5°	25.9	25.9	33.6	36.6	32.0	44.2	35.1	38.1	30.5	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2911.0
2926.3
2949.2
2976.7
3002.6
3028.5
3069.7
3120.1
3178.0
3236.0
3301.6
3391.6
3519.8
3693.7
3913.4
4182.0
4496.3
4842.6
5211.8
5573.4
5953.3
6293.5
6635.3
7022.8
7469.9
8051.2
8579.0
8424.9
7270.0
4600.0
1278.5
318.9
170.9
112.9
73.2
30.5
0.0

OF REPORT)