

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: P942830

Luminaire Tested: **GALN-SB7A-740-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942830  
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-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

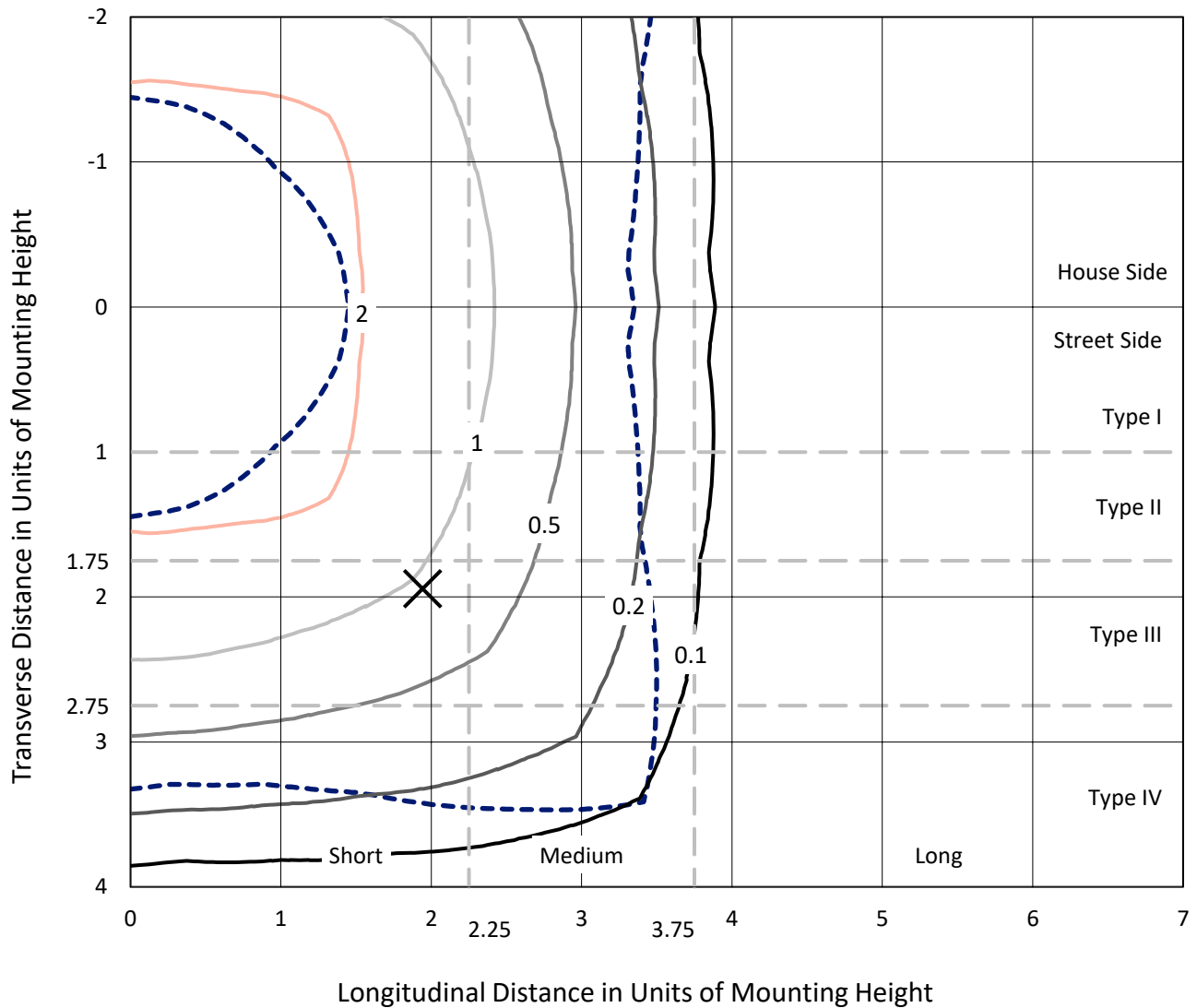
Lumens per Lamp: N/A  
Luminaire Lumens: 34139 lumens  
Efficiency: N/A  
Efficacy: 171.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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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### Iso-Footcandle Lines of Horizontal Illumination

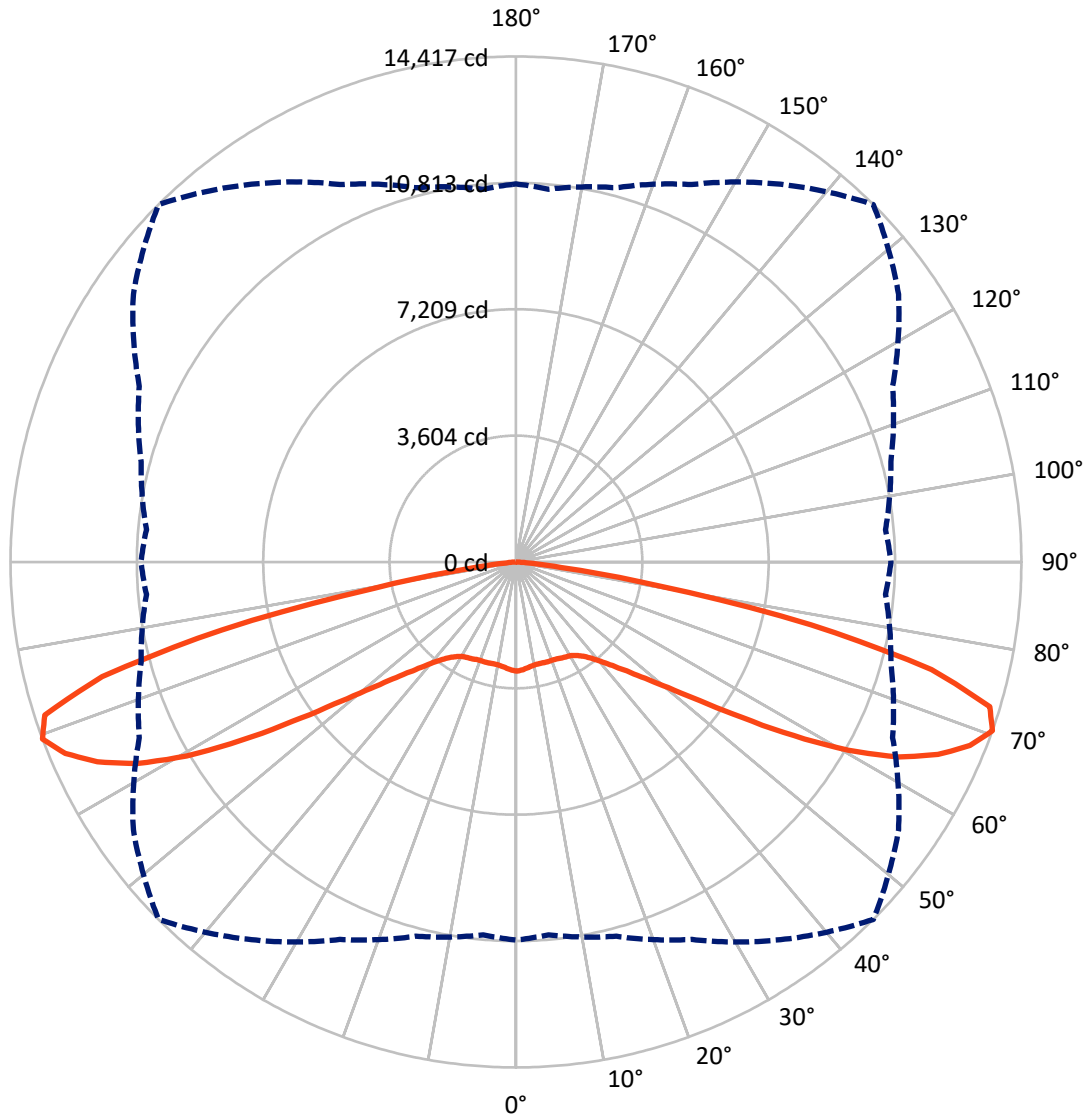
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	17069.5	0.0	17069.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17069.5	0.0	17069.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34139.0	0.0	34139.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.7	0.8
10°-20°	850.6	2.5
20°-30°	1415.5	4.1
30°-40°	2140.7	6.3
40°-50°	3557.3	10.4
50°-60°	6712.6	19.7
60°-70°	11334.5	33.2
70°-80°	7447.9	21.8
80°-90°	390.2	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°	34139.0	100.0
0°-180°	34139.0	100.0

**Coefficient of Utilization**



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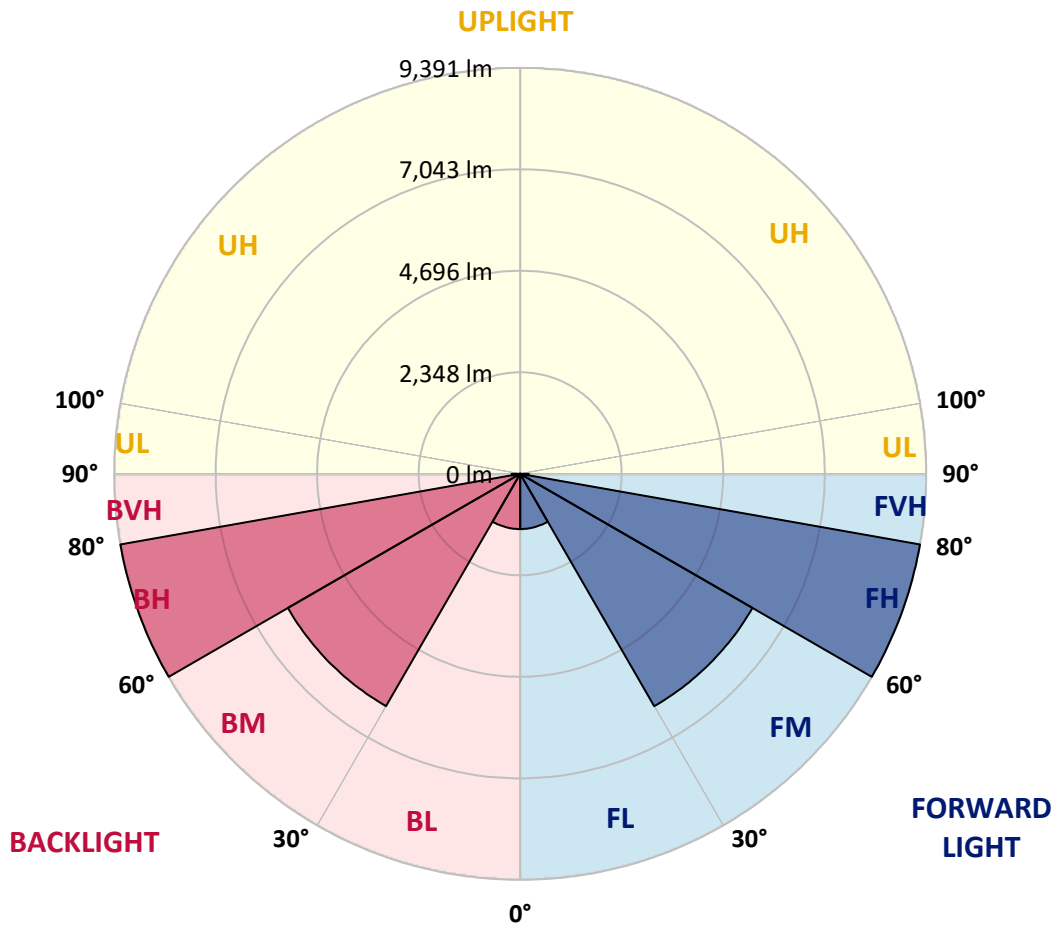
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1277.9	3.7			
FM (30°-60°)	6205.3	18.2			
FH (60°-80°)	9391.2	27.5			G4/12000
FVH (80°-90°)	195.1	0.6			G2/225
BL (0°-30°)	1277.9	3.7	B3/2500		
BM (30°-60°)	6205.3	18.2	B4/8500		
BH (60°-80°)	9391.2	27.5	B5		G4/12000
BVH (80°-90°)	195.1	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°	3114.2	3114.2	3114.2	3114.2	3114.2	3114.2	3114.2	3114.2	3114.2	3114.2
2.5°	3094.6	3103.5	3100.0	3092.9	3092.9	3087.5	3092.9	3096.4	3101.7	3105.3
5°	3053.8	3060.9	3059.2	3053.8	3055.6	3050.3	3053.8	3059.2	3062.7	3064.5
7.5°	3018.3	3025.4	3021.9	3013.0	3013.0	3007.7	3009.5	3014.8	3020.1	3021.9
10°	3009.5	3016.6	3005.9	2991.7	2986.4	2979.3	2981.1	2986.4	2997.1	3002.4
12.5°	3013.0	3018.3	3007.7	2986.4	2981.1	2974.0	2974.0	2979.3	2993.5	3000.6
15°	3023.7	3029.0	3013.0	2990.0	2984.6	2979.3	2977.5	2984.6	3000.6	3013.0
17.5°	3043.2	3048.5	3023.7	2991.7	2984.6	2986.4	2984.6	2990.0	3014.8	3037.9
20°	3060.9	3064.5	3030.8	2991.7	2984.6	2986.4	2984.6	2995.3	3027.2	3059.2
22.5°	3066.3	3069.8	3037.9	3004.1	2998.8	3000.6	2998.8	3009.5	3039.6	3071.6
25°	3068.0	3073.4	3048.5	3021.9	3030.8	3034.3	3030.8	3032.5	3055.6	3084.0
27.5°	3094.6	3101.7	3078.7	3055.6	3060.9	3059.2	3064.5	3069.8	3087.5	3115.9
30°	3149.7	3155.0	3135.5	3112.4	3108.8	3096.4	3112.4	3130.1	3149.7	3174.5
32.5°	3240.2	3250.8	3226.0	3201.1	3185.1	3178.0	3190.5	3220.6	3247.2	3273.9
35°	3391.0	3398.1	3375.0	3328.9	3300.5	3300.5	3311.1	3350.2	3392.8	3426.5
37.5°	3603.9	3612.8	3572.0	3517.0	3474.4	3474.4	3488.6	3529.4	3593.3	3641.2
40°	3863.0	3875.4	3823.9	3767.2	3726.4	3719.3	3737.0	3783.1	3843.5	3903.8
42.5°	4175.3	4189.5	4122.1	4072.4	4040.4	4040.4	4049.3	4091.9	4146.9	4221.4
45°	4574.5	4599.4	4507.1	4457.4	4427.3	4434.4	4439.7	4476.9	4526.6	4611.8
47.5°	5050.1	5074.9	4977.3	4925.9	4920.6	4954.3	4933.0	4959.6	4986.2	5083.8
50°	5589.5	5632.1	5564.7	5561.1	5571.8	5633.9	5584.2	5598.4	5568.2	5630.3
52.5°	6249.6	6311.7	6299.3	6320.6	6439.5	6567.2	6453.7	6404.0	6290.4	6310.0
55°	7049.9	7143.9	7161.7	7289.5	7559.2	7820.0	7578.7	7378.2	7136.8	7092.5
57.5°	7960.2	8034.7	8119.9	8380.7	8884.7	9347.8	8884.7	8441.1	8061.3	7970.8
60°	8939.7	9032.0	9113.6	9498.6	10247.5	10898.7	10233.3	9528.8	9026.6	8904.2
62.5°	9991.9	10110.8	10167.6	10595.3	11468.3	12245.5	11480.7	10627.2	10070.0	9938.7
65°	11001.6	11099.2	11163.1	11619.1	12453.1	13232.1	12509.9	11668.8	11095.7	10923.5
67.5°	11471.8	11525.1	11681.2	12197.6	13077.7	13966.7	13226.8	12252.6	11612.0	11310.4
70°	10783.3	10675.1	11051.3	11878.2	13152.2	14417.4	13322.6	11853.3	11069.0	10579.3
72.5°	8332.8	8146.5	8799.5	10213.7	12300.5	14130.0	12385.7	10293.6	9205.9	8212.2
75°	4533.7	4322.6	5224.0	7012.6	9809.2	12247.3	10034.5	7213.1	5816.7	4500.0
77.5°	1279.4	1199.5	1927.1	3392.8	5900.1	8599.0	6127.2	3467.3	2285.5	1355.7
80°	392.2	379.7	514.6	1022.1	2505.5	4118.5	2407.9	1034.5	654.8	413.4
82.5°	232.5	212.9	255.5	372.6	638.8	1293.6	621.1	388.6	312.3	209.4
85°	133.1	124.2	150.8	181.0	214.7	275.0	179.2	184.5	166.8	111.8
87.5°	55.0	49.7	58.6	56.8	49.7	63.9	47.9	56.8	67.4	44.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3114.2
3103.5
3064.5
3021.9
3002.4
3002.4
3014.8
3037.9
3060.9
3071.6
3082.2
3108.8
3169.2
3263.2
3414.0
3623.4
3884.3
4216.1
4608.3
5055.4
5593.1
6244.3
7023.3
7907.0
8797.7
9832.2
10838.4
11313.9
10696.4
8458.8
4792.8
1506.5
436.5
227.1
117.1
40.8
0.0

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