

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: P943250

Luminaire Tested: **GALN-SB7C-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943250  
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-SB7C-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

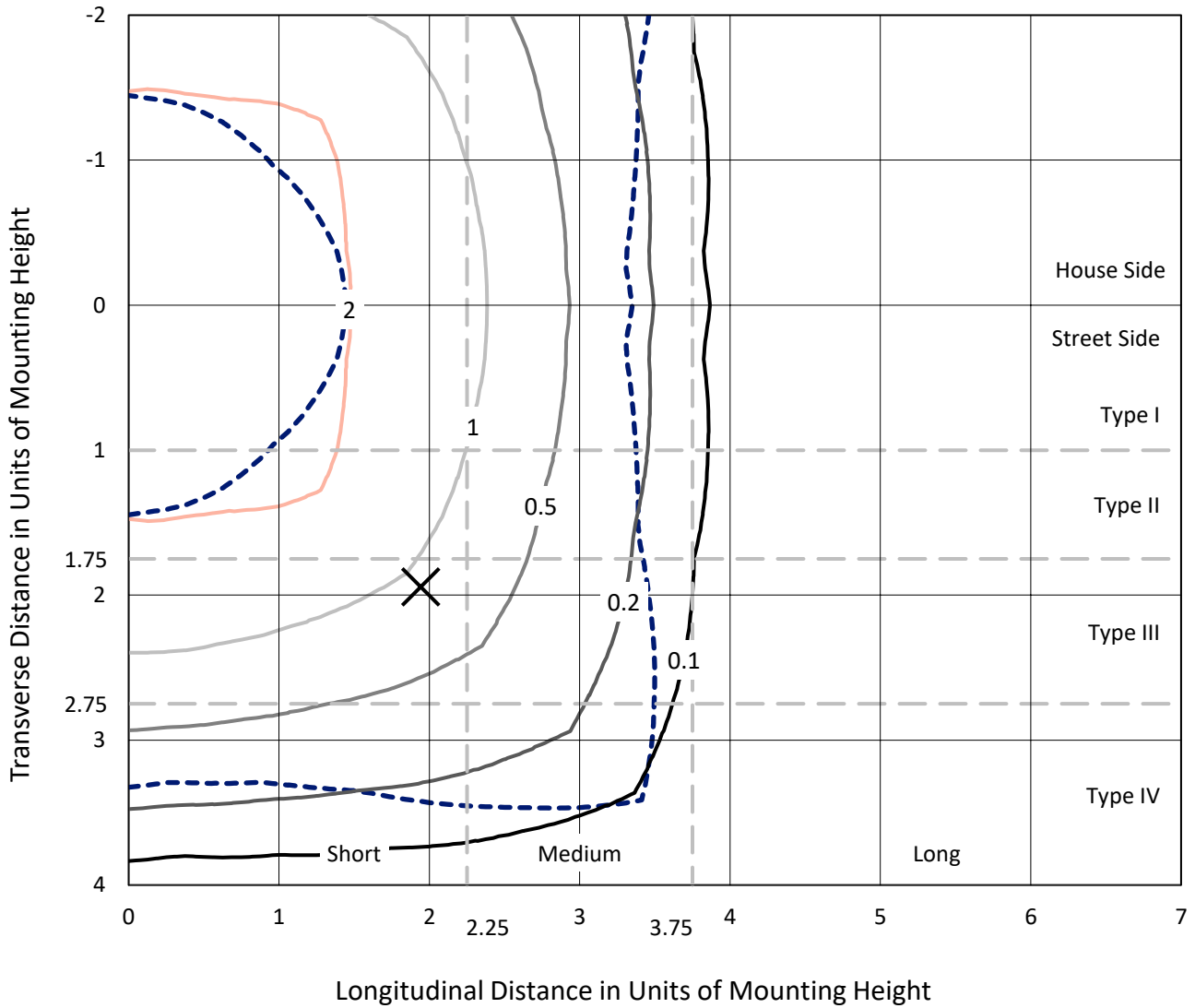
Lumens per Lamp: N/A  
Luminaire Lumens: 32792 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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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### Iso-Footcandle Lines of Horizontal Illumination

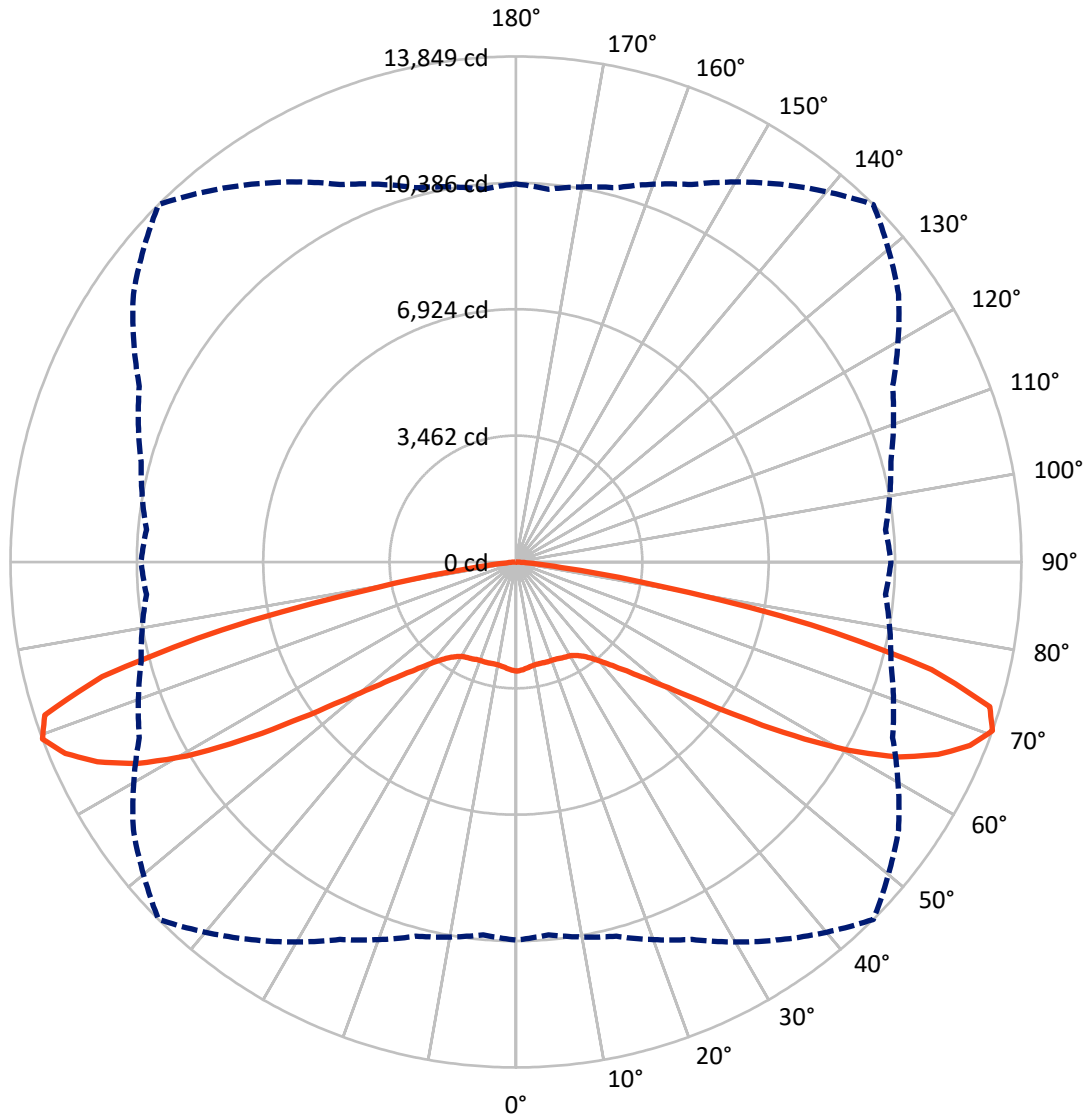
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	16396.0	0.0	16396.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16396.0	0.0	16396.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32792.0	0.0	32792.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.3	0.8
10°-20°	817.0	2.5
20°-30°	1359.7	4.1
30°-40°	2056.2	6.3
40°-50°	3417.0	10.4
50°-60°	6447.7	19.7
60°-70°	10887.2	33.2
70°-80°	7154.0	21.8
80°-90°	374.8	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°	32792.0	100.0
0°-180°	32792.0	100.0

**Coefficient of Utilization**



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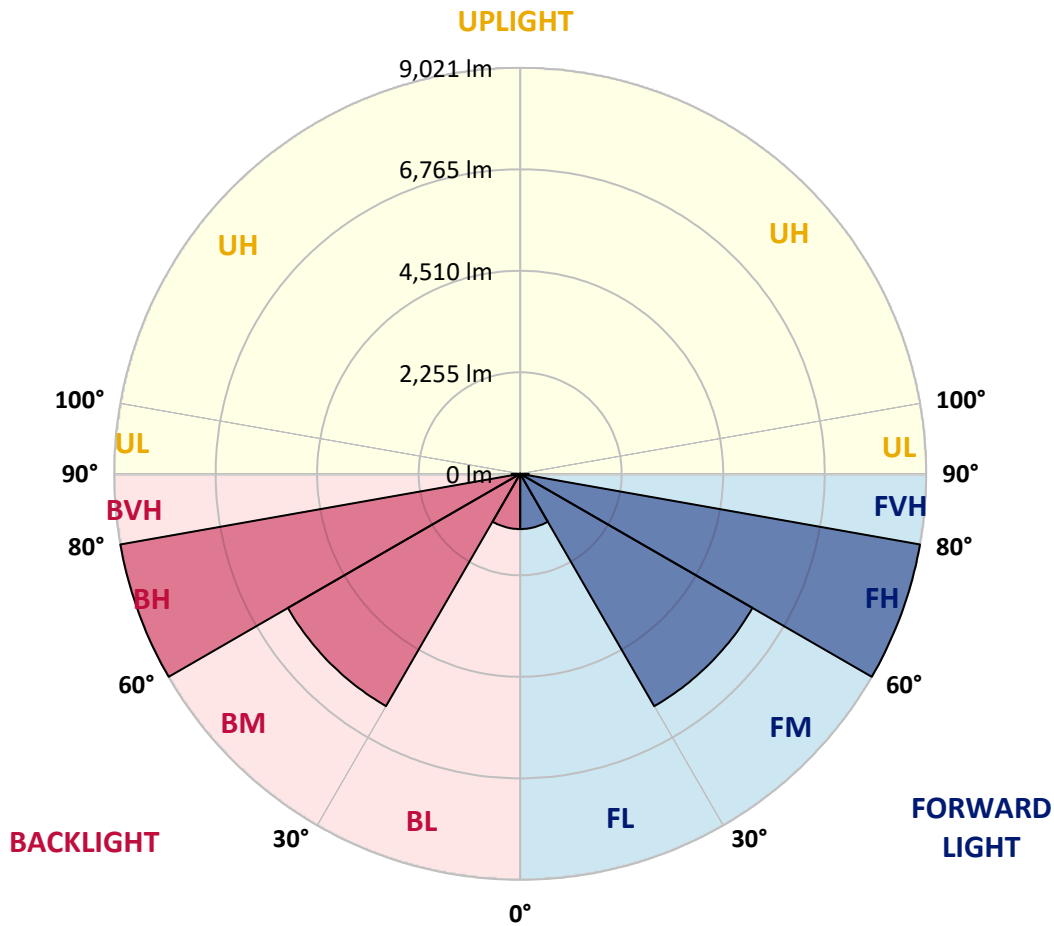
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1227.5	3.7			
FM (30°-60°)	5960.5	18.2			
FH (60°-80°)	9020.6	27.5			G4/12000
FVH (80°-90°)	187.4	0.6			G2/225
BL (0°-30°)	1227.5	3.7	B3/2500		
BM (30°-60°)	5960.5	18.2	B4/8500		
BH (60°-80°)	9020.6	27.5	B5		G4/12000
BVH (80°-90°)	187.4	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°	2991.3	2991.3	2991.3	2991.3	2991.3	2991.3	2991.3	2991.3	2991.3	2991.3
2.5°	2972.5	2981.1	2977.7	2970.8	2970.8	2965.7	2970.8	2974.2	2979.4	2982.8
5°	2933.3	2940.2	2938.5	2933.3	2935.0	2929.9	2933.3	2938.5	2941.9	2943.6
7.5°	2899.3	2906.1	2902.7	2894.1	2894.1	2889.0	2890.7	2895.8	2901.0	2902.7
10°	2890.7	2897.5	2887.3	2873.7	2868.6	2861.8	2863.5	2868.6	2878.8	2883.9
12.5°	2894.1	2899.3	2889.0	2868.6	2863.5	2856.6	2856.6	2861.8	2875.4	2882.2
15°	2904.4	2909.5	2894.1	2872.0	2866.9	2861.8	2860.0	2866.9	2882.2	2894.1
17.5°	2923.1	2928.2	2904.4	2873.7	2866.9	2868.6	2866.9	2872.0	2895.8	2918.0
20°	2940.2	2943.6	2911.2	2873.7	2866.9	2868.6	2866.9	2877.1	2907.8	2938.5
22.5°	2945.3	2948.7	2918.0	2885.6	2880.5	2882.2	2880.5	2890.7	2919.7	2950.4
25°	2947.0	2952.1	2928.2	2902.7	2911.2	2914.6	2911.2	2912.9	2935.0	2962.3
27.5°	2972.5	2979.4	2957.2	2935.0	2940.2	2938.5	2943.6	2948.7	2965.7	2993.0
30°	3025.4	3030.5	3011.7	2989.6	2986.2	2974.2	2989.6	3006.6	3025.4	3049.2
32.5°	3112.3	3122.5	3098.7	3074.8	3059.5	3052.7	3064.6	3093.6	3119.1	3144.7
35°	3257.2	3264.0	3241.8	3197.5	3170.3	3170.3	3180.5	3218.0	3258.9	3291.3
37.5°	3461.7	3470.2	3431.0	3378.2	3337.3	3337.3	3350.9	3390.1	3451.5	3497.5
40°	3710.6	3722.5	3673.1	3618.5	3579.3	3572.5	3589.5	3633.9	3691.8	3749.8
42.5°	4010.5	4024.2	3959.4	3911.7	3881.0	3881.0	3889.5	3930.4	3983.3	4054.9
45°	4394.0	4417.9	4329.3	4281.6	4252.6	4259.4	4264.5	4300.3	4348.0	4429.8
47.5°	4850.8	4874.7	4781.0	4731.5	4726.4	4758.8	4738.3	4763.9	4789.5	4883.2
50°	5369.0	5409.9	5345.1	5341.7	5351.9	5411.6	5363.9	5377.5	5348.5	5408.2
52.5°	6003.0	6062.7	6050.8	6071.2	6185.4	6308.1	6199.0	6151.3	6042.2	6061.0
55°	6771.7	6862.1	6879.1	7001.8	7260.9	7511.5	7279.7	7087.1	6855.3	6812.6
57.5°	7646.1	7717.7	7799.5	8050.1	8534.1	8979.0	8534.1	8108.0	7743.3	7656.3
60°	8587.0	8675.6	8754.0	9123.9	9843.1	10468.7	9829.5	9152.8	8670.5	8552.9
62.5°	9597.7	9711.9	9766.4	10177.2	11015.8	11762.3	11027.7	10207.9	9672.7	9546.6
65°	10567.5	10661.3	10722.6	11160.7	11961.8	12710.0	12016.3	11208.4	10657.9	10492.5
67.5°	11019.2	11070.3	11220.3	11716.3	12561.7	13415.6	12704.9	11769.2	11153.8	10864.1
70°	10357.9	10253.9	10615.2	11409.5	12633.3	13848.6	12796.9	11385.7	10632.3	10161.9
72.5°	8004.0	7825.1	8452.3	9810.8	11815.2	13572.4	11897.0	9887.5	8842.6	7888.1
75°	4354.8	4152.0	5017.9	6735.9	9422.1	11764.0	9638.6	6928.5	5587.2	4322.5
77.5°	1228.9	1152.2	1851.0	3258.9	5667.3	8259.7	5885.4	3330.5	2195.3	1302.2
80°	376.7	364.7	494.3	981.8	2406.7	3956.0	2312.9	993.7	628.9	397.1
82.5°	223.3	204.5	245.4	357.9	613.6	1242.5	596.6	373.3	300.0	201.1
85°	127.8	119.3	144.9	173.9	206.2	264.2	172.1	177.3	160.2	107.4
87.5°	52.8	47.7	56.2	54.5	47.7	61.4	46.0	54.5	64.8	42.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2991.3
2981.1
2943.6
2902.7
2883.9
2883.9
2895.8
2918.0
2940.2
2950.4
2960.6
2986.2
3044.1
3134.5
3279.3
3480.5
3731.0
4049.7
4426.4
4855.9
5372.4
5997.9
6746.2
7595.0
8450.6
9444.3
10410.7
10867.5
10274.4
8125.1
4603.7
1447.1
419.3
218.2
112.5
39.2
0.0

OF REPORT)