

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: P940610

Luminaire Tested: **GALN-SB3D-735-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940610  
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-SB3D-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

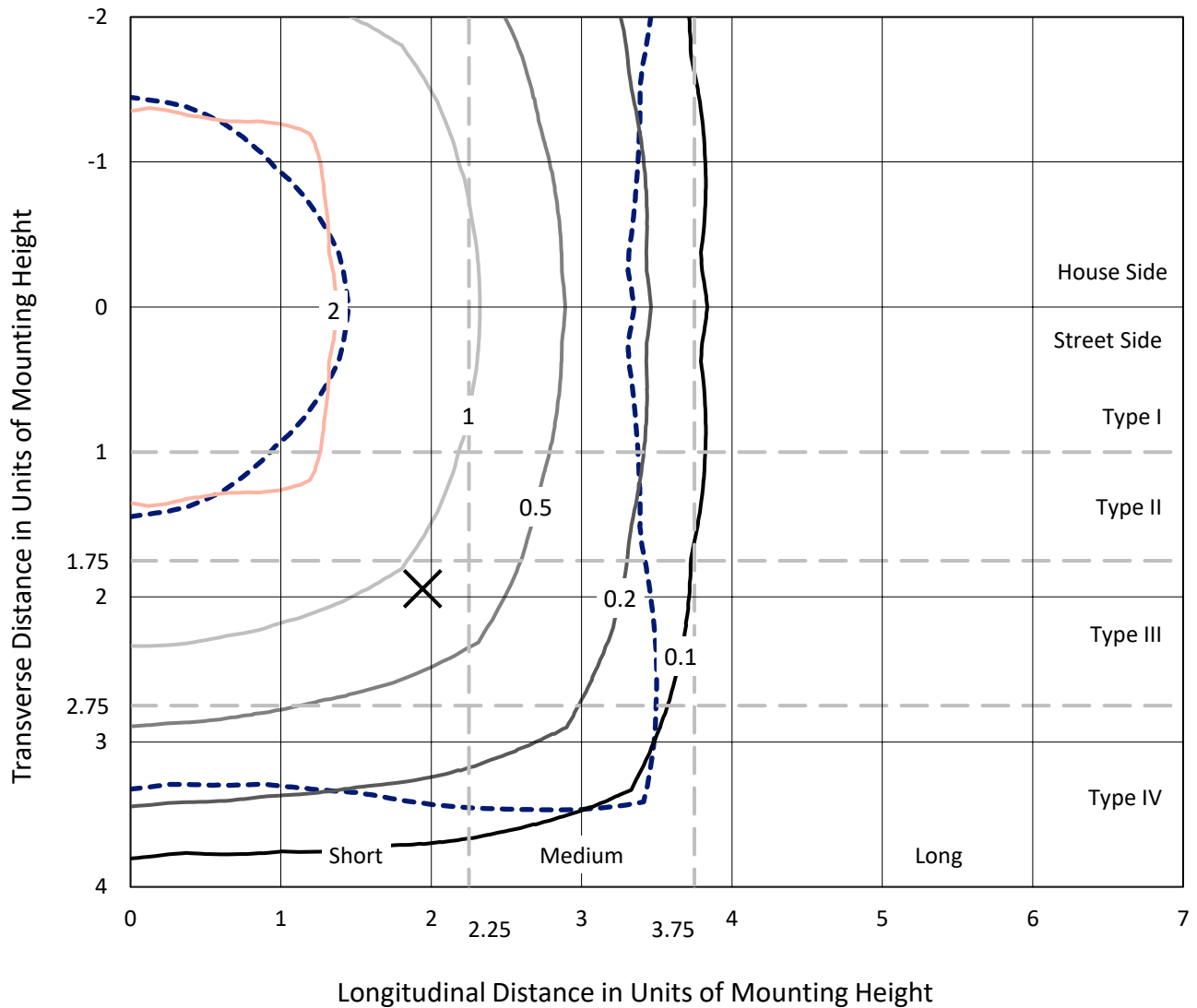
Lumens per Lamp: N/A  
Luminaire Lumens: 30883 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

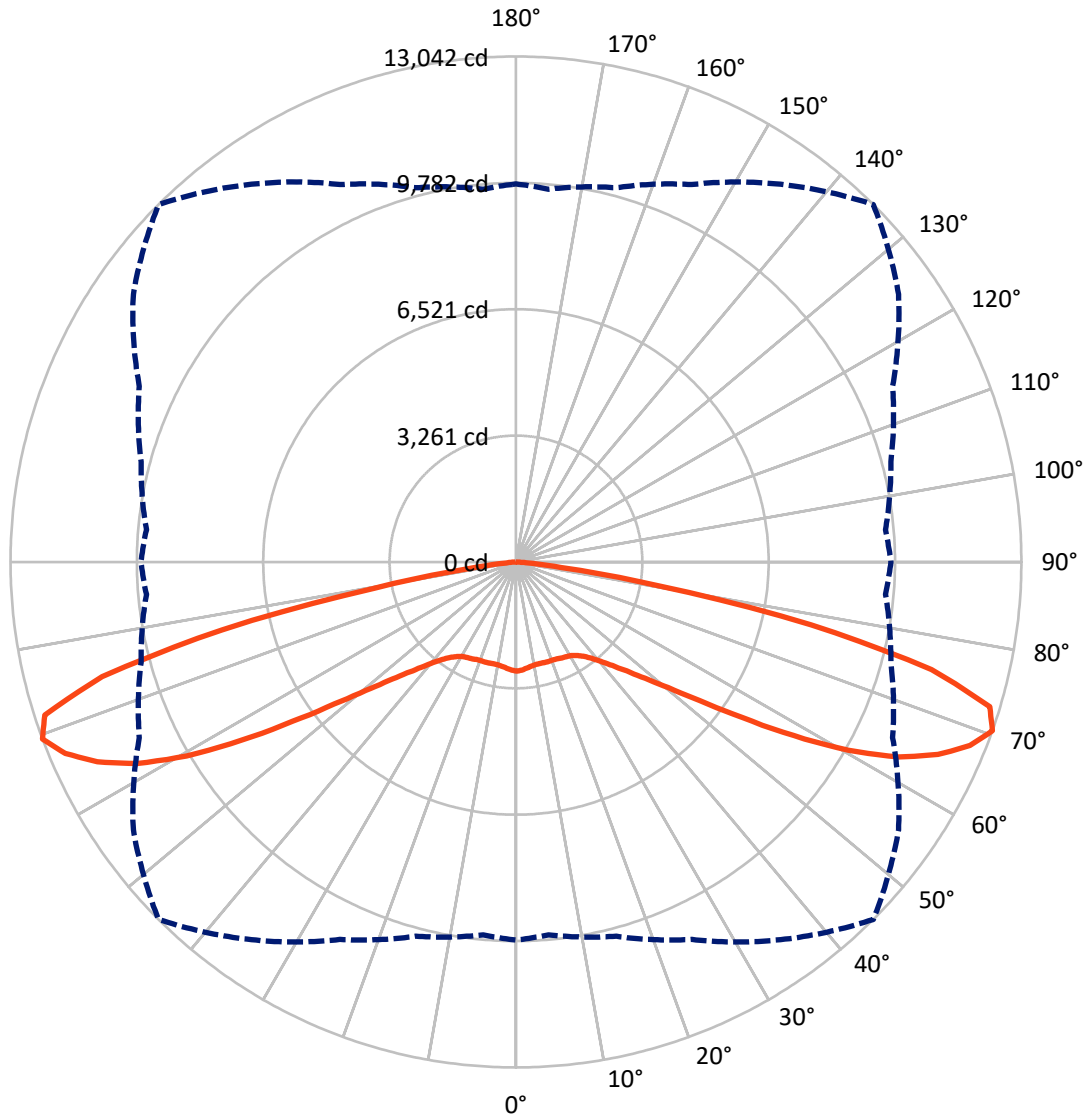
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type 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	15441.5	0.0	15441.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15441.5	0.0	15441.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30883.0	0.0	30883.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.1	0.8
10°-20°	769.5	2.5
20°-30°	1280.5	4.1
30°-40°	1936.5	6.3
40°-50°	3218.1	10.4
50°-60°	6072.4	19.7
60°-70°	10253.4	33.2
70°-80°	6737.6	21.8
80°-90°	353.0	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°	30883.0	100.0
0°-180°	30883.0	100.0



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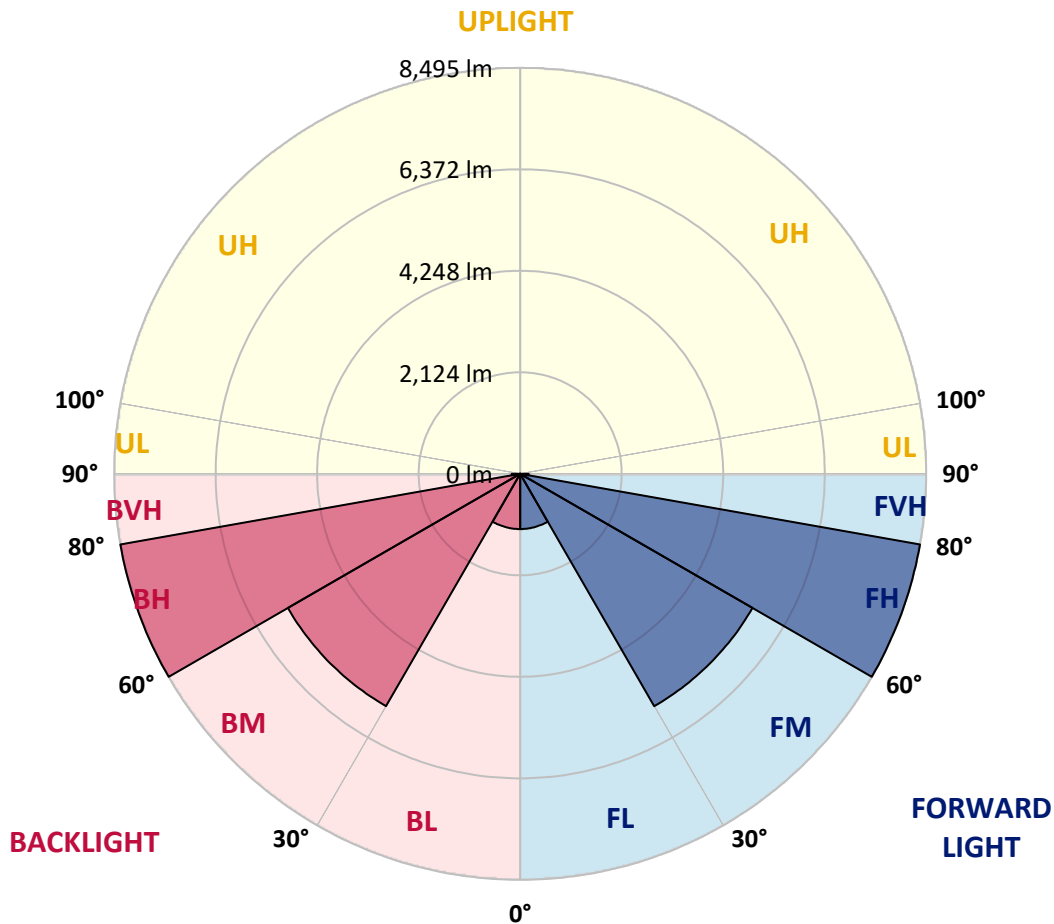
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1156.0	3.7			
FM (30°-60°)	5613.5	18.2			
FH (60°-80°)	8495.5	27.5			G4/12000
FVH (80°-90°)	176.5	0.6			G2/225
BL (0°-30°)	1156.0	3.7	B3/2500		
BM (30°-60°)	5613.5	18.2	B4/8500		
BH (60°-80°)	8495.5	27.5	B5		G4/12000
BVH (80°-90°)	176.5	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°	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2	2817.2
2.5°	2799.5	2807.5	2804.3	2797.9	2797.9	2793.1	2797.9	2801.1	2805.9	2809.1
5°	2762.6	2769.0	2767.4	2762.6	2764.2	2759.4	2762.6	2767.4	2770.6	2772.2
7.5°	2730.5	2736.9	2733.7	2725.7	2725.7	2720.8	2722.4	2727.3	2732.1	2733.7
10°	2722.4	2728.9	2719.2	2706.4	2701.6	2695.2	2696.8	2701.6	2711.2	2716.0
12.5°	2725.7	2730.5	2720.8	2701.6	2696.8	2690.3	2690.3	2695.2	2708.0	2714.4
15°	2735.3	2740.1	2725.7	2704.8	2700.0	2695.2	2693.5	2700.0	2714.4	2725.7
17.5°	2752.9	2757.8	2735.3	2706.4	2700.0	2701.6	2700.0	2704.8	2727.3	2748.1
20°	2769.0	2772.2	2741.7	2706.4	2700.0	2701.6	2700.0	2709.6	2738.5	2767.4
22.5°	2773.8	2777.0	2748.1	2717.6	2712.8	2714.4	2712.8	2722.4	2749.7	2778.6
25°	2775.4	2780.2	2757.8	2733.7	2741.7	2744.9	2741.7	2743.3	2764.2	2789.9
27.5°	2799.5	2805.9	2785.0	2764.2	2769.0	2767.4	2772.2	2777.0	2793.1	2818.8
30°	2849.3	2854.1	2836.4	2815.5	2812.3	2801.1	2815.5	2831.6	2849.3	2871.7
32.5°	2931.1	2940.8	2918.3	2895.8	2881.4	2874.9	2886.2	2913.5	2937.5	2961.6
35°	3067.6	3074.0	3053.1	3011.4	2985.7	2985.7	2995.3	3030.6	3069.2	3099.7
37.5°	3260.2	3268.2	3231.3	3181.5	3143.0	3143.0	3155.9	3192.8	3250.6	3293.9
40°	3494.6	3505.8	3459.2	3407.9	3371.0	3364.5	3380.6	3422.3	3476.9	3531.5
42.5°	3777.1	3789.9	3728.9	3684.0	3655.1	3655.1	3663.1	3701.6	3751.4	3818.8
45°	4138.2	4160.7	4077.2	4032.3	4005.0	4011.4	4016.2	4050.0	4094.9	4172.0
47.5°	4568.4	4590.9	4502.6	4456.1	4451.3	4481.8	4462.5	4486.6	4510.7	4598.9
50°	5056.4	5095.0	5034.0	5030.7	5040.4	5096.6	5051.6	5064.5	5037.2	5093.3
52.5°	5653.6	5709.7	5698.5	5717.8	5825.3	5940.9	5838.2	5793.2	5690.5	5708.1
55°	6377.5	6462.6	6478.6	6594.2	6838.2	7074.2	6855.9	6674.5	6456.2	6416.0
57.5°	7201.0	7268.4	7345.5	7581.4	8037.3	8456.3	8037.3	7636.0	7292.5	7210.6
60°	8087.1	8170.5	8244.4	8592.7	9270.1	9859.2	9257.3	8620.0	8165.7	8055.0
62.5°	9039.0	9146.5	9197.9	9584.7	10374.5	11077.6	10385.7	9613.6	9109.6	8990.8
65°	9952.3	10040.6	10098.4	10510.9	11265.4	11970.1	11316.8	10555.9	10037.4	9881.7
67.5°	10377.7	10425.9	10567.1	11034.2	11830.4	12634.6	11965.3	11084.0	10504.5	10231.6
70°	9754.9	9657.0	9997.3	10745.3	11897.8	13042.4	12052.0	10722.8	10013.3	9570.3
72.5°	7538.1	7369.5	7960.3	9239.6	11127.3	12782.3	11204.4	9311.8	8327.9	7428.9
75°	4101.3	3910.3	4725.8	6343.8	8873.6	11079.2	9077.5	6525.2	5261.9	4070.8
77.5°	1157.4	1085.1	1743.3	3069.2	5337.3	7778.9	5542.8	3136.6	2067.5	1226.4
80°	354.8	343.5	465.5	924.6	2266.6	3725.7	2178.3	935.8	592.3	374.0
82.5°	210.3	192.6	231.2	337.1	577.9	1170.2	561.8	351.5	282.5	189.4
85°	120.4	112.4	136.4	163.7	194.2	248.8	162.1	166.9	150.9	101.1
87.5°	49.8	44.9	53.0	51.4	44.9	57.8	43.3	51.4	61.0	40.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2817.2
2807.5
2772.2
2733.7
2716.0
2716.0
2727.3
2748.1
2769.0
2778.6
2788.3
2812.3
2866.9
2952.0
3088.4
3277.8
3513.8
3814.0
4168.7
4573.3
5059.6
5648.7
6353.4
7152.8
7958.7
8894.5
9804.6
10234.8
9676.2
7652.1
4335.7
1362.8
394.9
205.5
105.9
36.9
0.0

OF REPORT)