

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: P948946

Luminaire Tested: **GALN-SB3D-835-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948946
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-SB3D-835-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29658 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

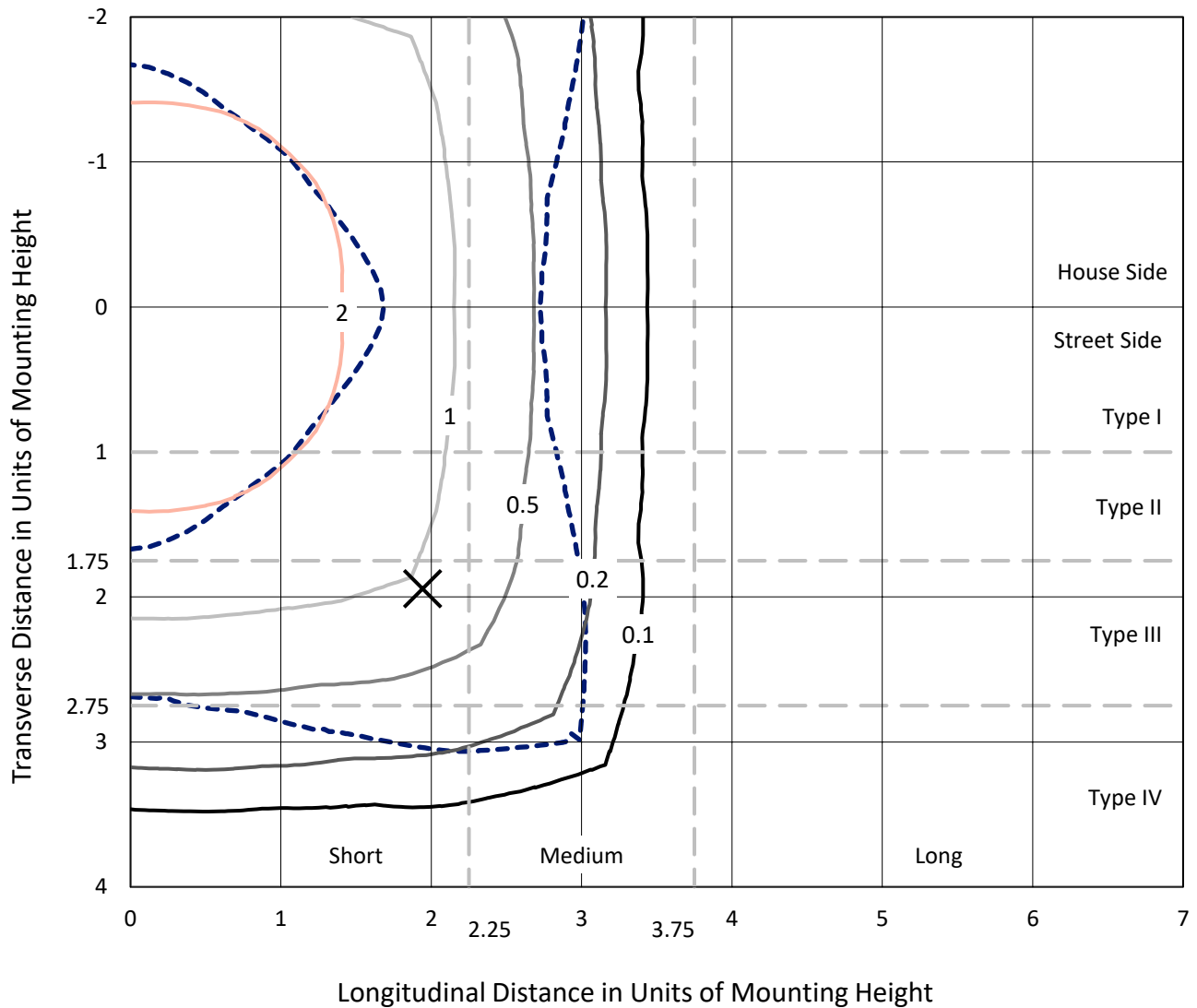
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948946
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Iso-Footcandle Lines of Horizontal Illumination

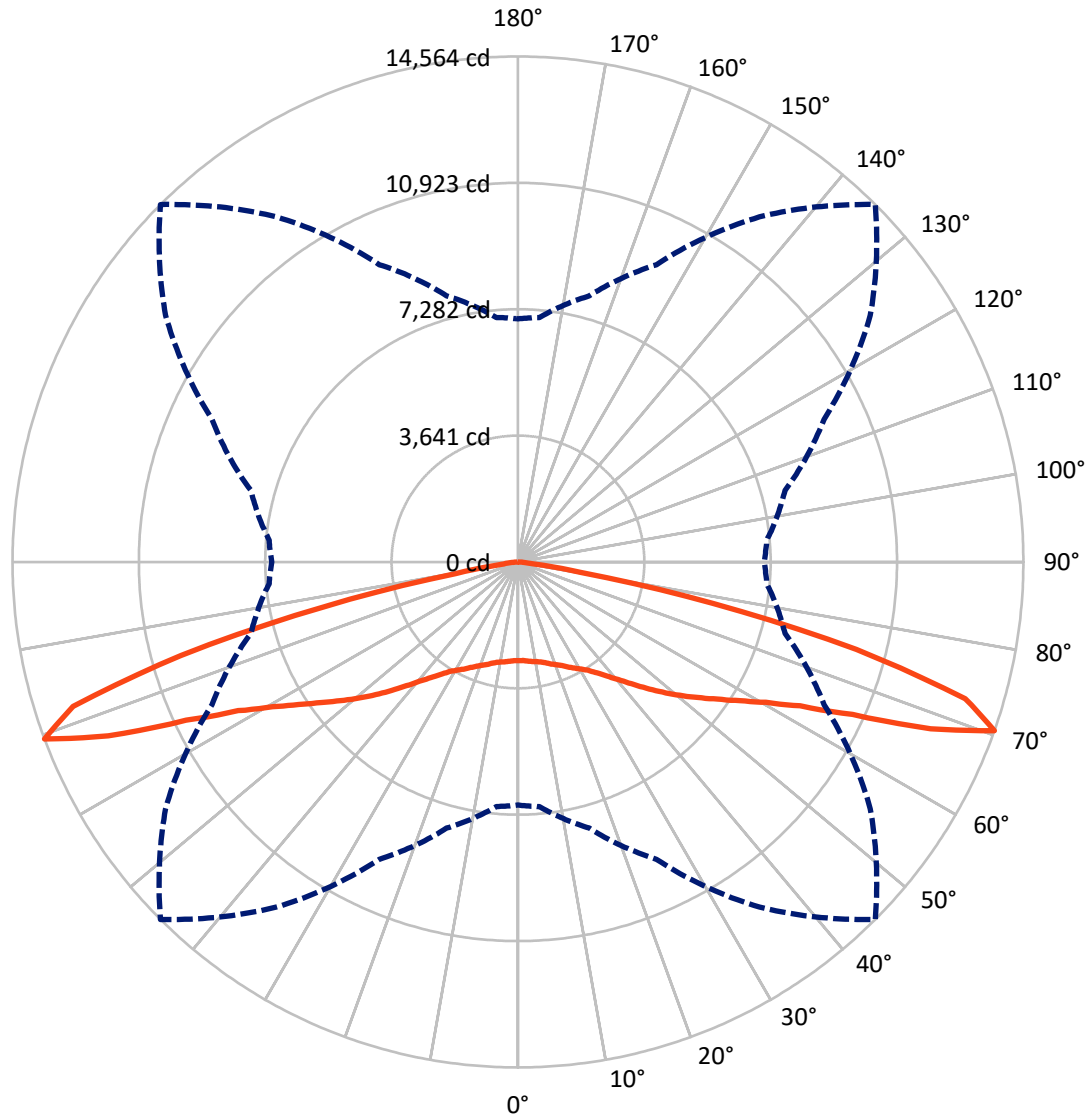
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P948946
CATALOG NUMBER: GALN-SB3D-835-U-5MQ

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
House Side	Lumens	14829.0	0.0	14829.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14829.0	0.0	14829.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29658.0	0.0	29658.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.0	0.9
10°-20°	855.8	2.9
20°-30°	1529.5	5.2
30°-40°	2479.3	8.4
40°-50°	4038.3	13.6
50°-60°	6157.0	20.8
60°-70°	9159.7	30.9
70°-80°	4992.3	16.8
80°-90°	170.0	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°	29658.0	100.0
0°-180°	29658.0	100.0



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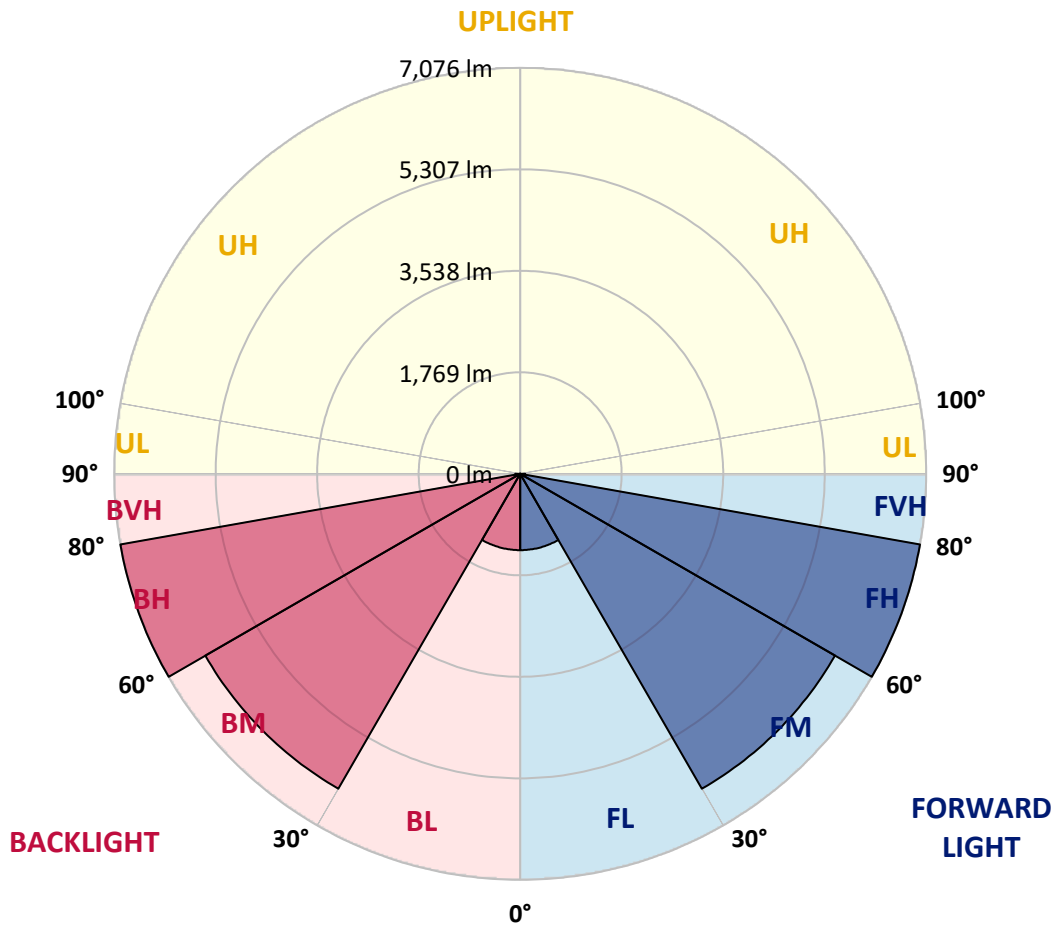
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1330.7	4.5			
FM (30°-60°)	6337.3	21.4			
FH (60°-80°)	7076.0	23.9			G3/7500
FVH (80°-90°)	85.0	0.3			G1/100
BL (0°-30°)	1330.7	4.5	B3/2500		
BM (30°-60°)	6337.3	21.4	B4/8500		
BH (60°-80°)	7076.0	23.9	B5		G3/7500
BVH (80°-90°)	85.0	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°	2840.9	2840.9	2840.9	2840.9	2840.9	2840.9	2840.9	2840.9	2840.9	2840.9
2.5°	2854.3	2857.3	2851.4	2848.4	2845.4	2840.9	2842.4	2849.9	2855.8	2854.3
5°	2878.2	2881.1	2876.7	2875.2	2869.2	2867.7	2867.7	2875.2	2879.6	2876.7
7.5°	2905.0	2909.4	2902.0	2900.5	2897.5	2894.5	2893.0	2900.5	2905.0	2905.0
10°	2930.3	2934.7	2928.8	2924.3	2921.3	2921.3	2918.4	2924.3	2931.8	2930.3
12.5°	2957.1	2960.0	2954.1	2951.1	2951.1	2955.6	2951.1	2954.1	2960.0	2957.1
15°	2989.8	2991.3	2989.8	2994.3	3001.7	3016.6	3003.2	3000.2	3003.2	2995.8
17.5°	3034.5	3037.5	3043.4	3053.9	3064.3	3091.1	3067.3	3059.8	3059.8	3044.9
20°	3089.6	3094.1	3103.0	3120.9	3134.3	3159.6	3135.7	3125.3	3120.9	3101.5
22.5°	3147.7	3155.1	3168.5	3192.3	3216.1	3240.0	3216.1	3198.3	3184.9	3159.6
25°	3214.7	3223.6	3244.4	3283.1	3315.9	3350.2	3321.9	3286.1	3259.3	3223.6
27.5°	3310.0	3320.4	3345.7	3393.3	3435.0	3464.8	3438.0	3391.8	3354.6	3311.4
30°	3444.0	3454.4	3484.2	3534.8	3563.1	3582.4	3564.6	3528.8	3484.2	3435.0
32.5°	3616.7	3630.1	3662.8	3710.5	3716.4	3719.4	3713.5	3695.6	3662.8	3603.3
35°	3835.6	3850.4	3887.7	3926.4	3920.4	3926.4	3917.4	3911.5	3887.7	3819.2
37.5°	4103.6	4121.4	4160.1	4189.9	4175.0	4167.6	4169.1	4170.6	4157.2	4081.2
40°	4414.8	4438.6	4466.9	4498.1	4472.8	4450.5	4465.4	4477.3	4465.4	4388.0
42.5°	4734.9	4769.1	4798.9	4843.6	4822.7	4794.4	4815.3	4828.7	4803.4	4720.0
45°	5090.7	5123.5	5162.2	5229.2	5214.3	5184.5	5214.3	5217.3	5174.1	5075.9
47.5°	5458.5	5492.8	5550.8	5640.2	5634.2	5601.5	5640.2	5619.3	5564.2	5446.6
50°	5806.9	5854.6	5943.9	6069.0	6080.9	6040.7	6092.8	6052.6	5960.3	5812.9
52.5°	6134.5	6185.1	6326.6	6496.3	6539.5	6487.4	6557.4	6487.4	6348.9	6159.8
55°	6478.5	6535.0	6703.3	6925.1	7011.5	6972.8	7038.3	6932.6	6736.0	6506.7
57.5°	6883.4	6917.7	7118.7	7382.2	7528.2	7537.1	7566.9	7388.2	7150.0	6889.4
60°	7322.7	7370.3	7589.2	7904.9	8135.7	8210.1	8178.8	7913.8	7636.9	7337.6
62.5°	7885.5	7937.6	8199.7	8577.9	8942.7	9127.3	9005.2	8621.1	8278.6	7919.8
65°	8351.6	8409.6	8883.1	9557.6	10221.7	10592.4	10285.7	9578.5	8962.0	8455.8
67.5°	8013.6	8085.0	8828.0	10066.8	11718.1	12824.4	11774.7	10218.7	9011.2	8324.8
70°	7004.1	7071.1	7937.6	9451.9	12139.5	14563.5	12392.6	9730.3	7965.9	7197.6
72.5°	4650.0	4865.9	5742.9	7559.4	10839.6	13476.5	10946.8	7406.1	5327.5	4639.6
75°	1542.6	1715.3	2313.8	3918.9	7260.2	10078.7	6911.7	3467.8	1832.9	1319.2
77.5°	388.6	448.2	617.9	1121.2	2896.0	5738.4	2607.2	915.7	498.8	348.4
80°	189.1	208.5	297.8	373.7	725.1	1824.0	680.5	351.4	235.3	181.7
82.5°	104.2	105.7	168.3	211.4	269.5	472.0	279.9	205.5	135.5	110.2
85°	64.0	62.5	89.3	113.2	113.2	168.3	134.0	113.2	77.4	68.5
87.5°	25.3	25.3	32.8	35.7	31.3	43.2	34.2	37.2	29.8	28.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2840.9
2855.8
2878.2
2905.0
2930.3
2955.6
2995.8
3044.9
3101.5
3158.1
3222.1
3310.0
3435.0
3604.8
3819.2
4081.2
4388.0
4725.9
5086.3
5439.2
5809.9
6141.9
6475.5
6853.7
7289.9
7857.2
8372.4
8222.0
7094.9
4489.2
1247.7
311.2
166.8
110.2
71.5
29.8
0.0

OF REPORT)