

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: P948925

Luminaire Tested: **GALN-SB3D-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948925
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-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28731 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

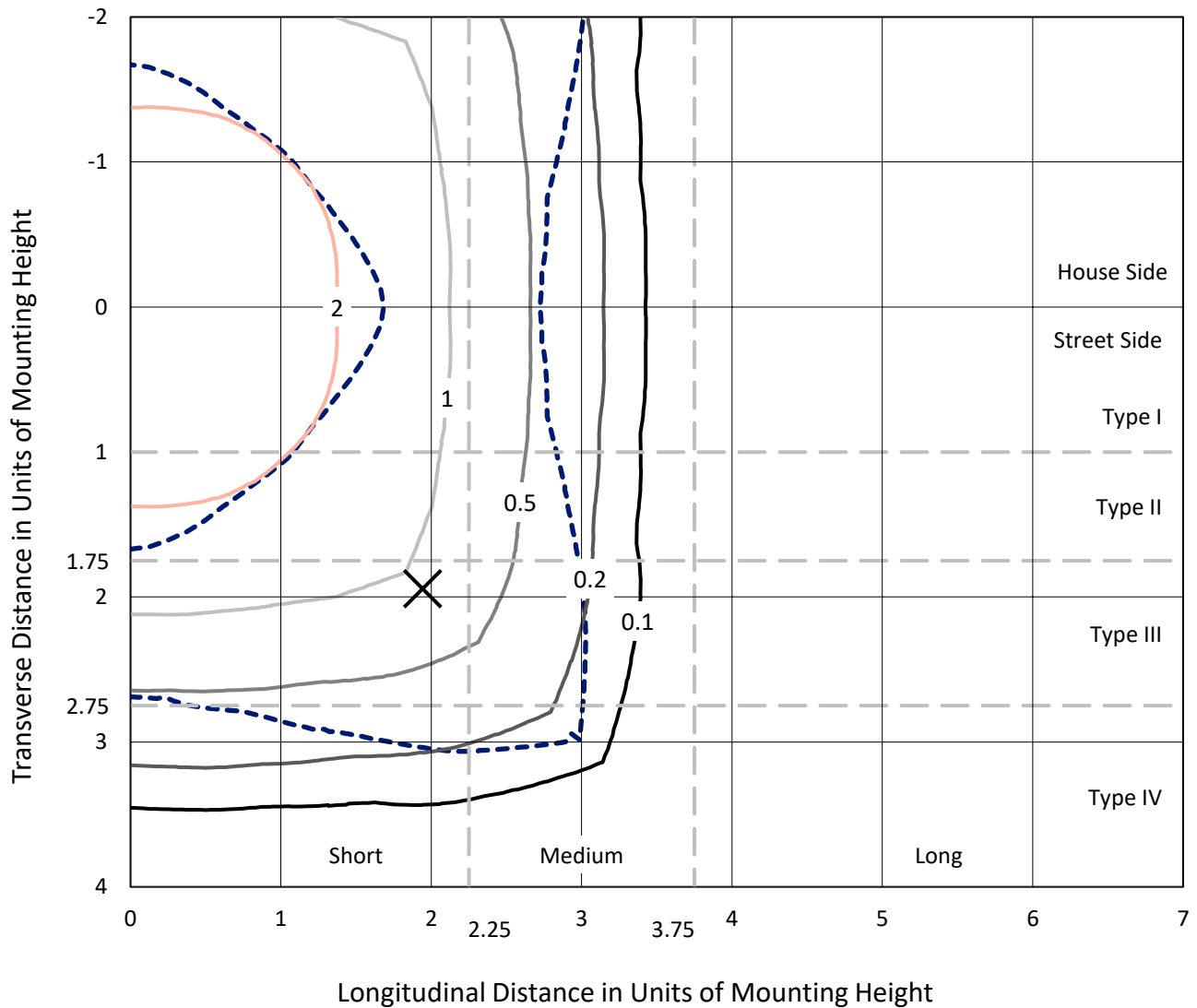
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

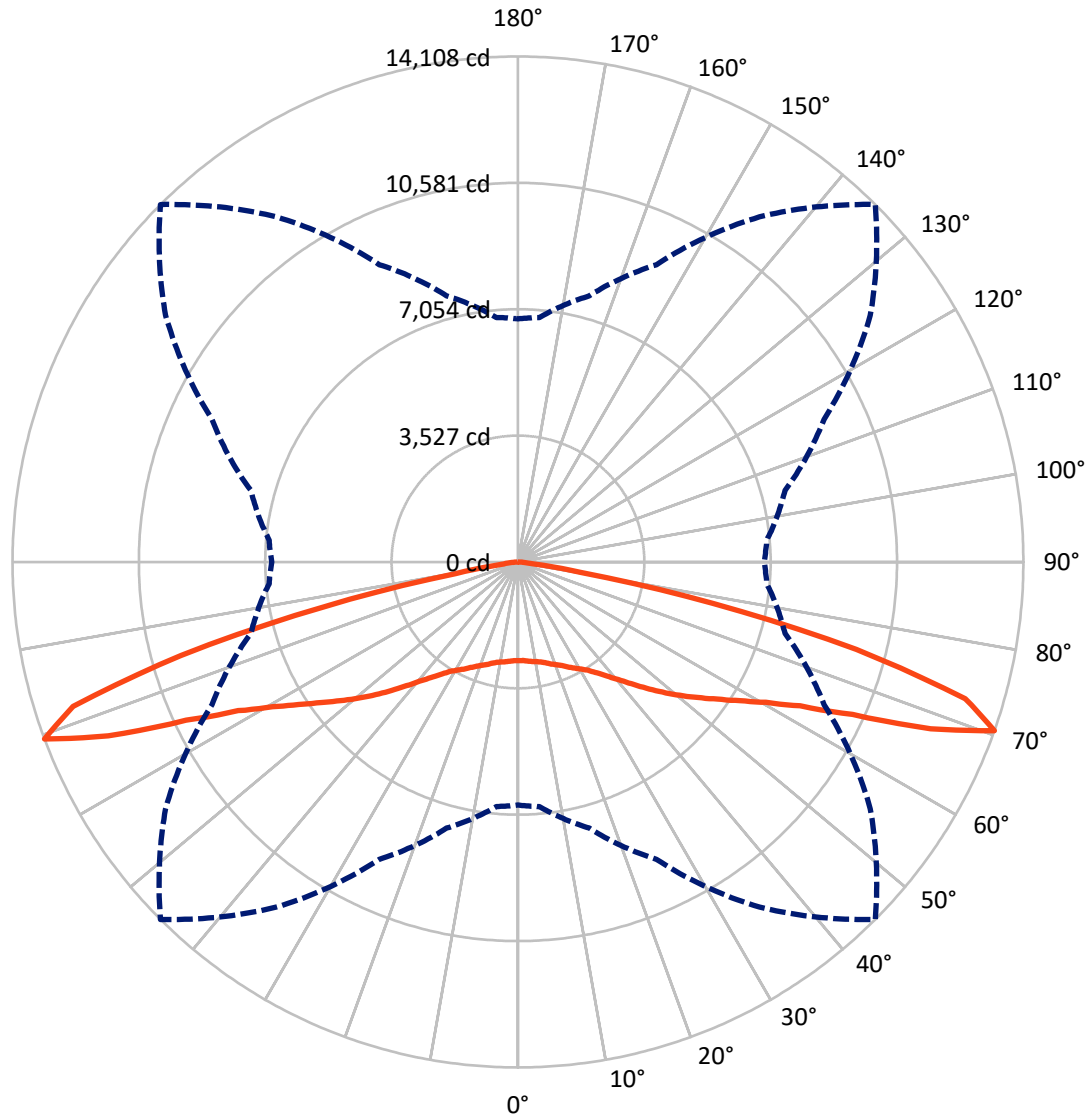
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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
House Side	Lumens	14365.5	0.0	14365.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14365.5	0.0	14365.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28731.0	0.0	28731.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	0.9
10°-20°	829.1	2.9
20°-30°	1481.7	5.2
30°-40°	2401.8	8.4
40°-50°	3912.1	13.6
50°-60°	5964.6	20.8
60°-70°	8873.4	30.9
70°-80°	4836.3	16.8
80°-90°	164.7	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°	28731.0	100.0
0°-180°	28731.0	100.0



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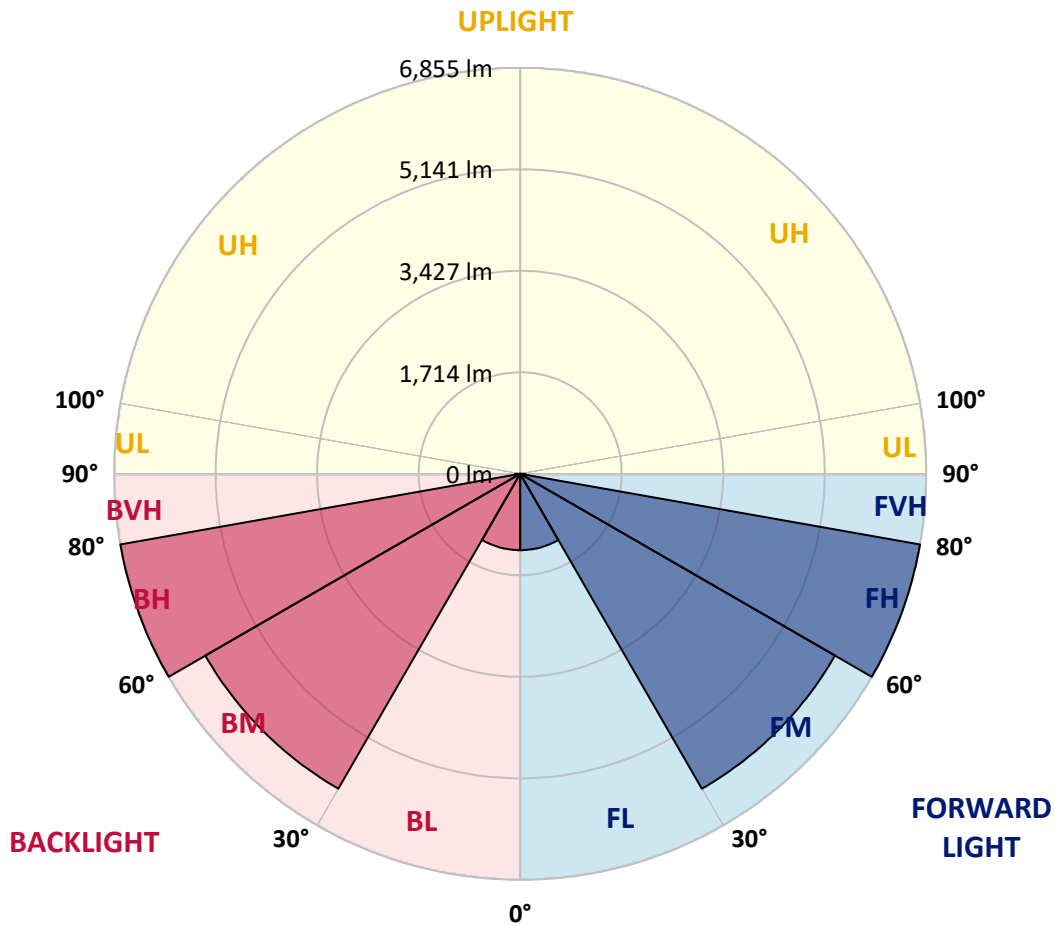
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1289.1	4.5			
FM (30°-60°)	6139.2	21.4			
FH (60°-80°)	6854.9	23.9			G3/7500
FVH (80°-90°)	82.3	0.3			G1/100
BL (0°-30°)	1289.1	4.5	B3/2500		
BM (30°-60°)	6139.2	21.4	B4/8500		
BH (60°-80°)	6854.9	23.9	B5		G3/7500
BVH (80°-90°)	82.3	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°	2752.1	2752.1	2752.1	2752.1	2752.1	2752.1	2752.1	2752.1	2752.1	2752.1
2.5°	2765.1	2768.0	2762.2	2759.3	2756.5	2752.1	2753.6	2760.8	2766.6	2765.1
5°	2788.2	2791.1	2786.8	2785.3	2779.5	2778.1	2778.1	2785.3	2789.6	2786.8
7.5°	2814.2	2818.5	2811.3	2809.8	2806.9	2804.1	2802.6	2809.8	2814.2	2814.2
10°	2838.7	2843.0	2837.2	2832.9	2830.0	2830.0	2827.1	2832.9	2840.1	2838.7
12.5°	2864.6	2867.5	2861.8	2858.9	2858.9	2863.2	2858.9	2861.8	2867.5	2864.6
15°	2896.4	2897.8	2896.4	2900.7	2907.9	2922.3	2909.4	2906.5	2909.4	2902.1
17.5°	2939.6	2942.5	2948.3	2958.4	2968.5	2994.5	2971.4	2964.2	2964.2	2949.7
20°	2993.0	2997.3	3006.0	3023.3	3036.3	3060.8	3037.7	3027.6	3023.3	3004.6
22.5°	3049.3	3056.5	3069.5	3092.5	3115.6	3138.7	3115.6	3098.3	3085.3	3060.8
25°	3114.2	3122.8	3143.0	3180.5	3212.3	3245.4	3218.0	3183.4	3157.5	3122.8
27.5°	3206.5	3216.6	3241.1	3287.3	3327.7	3356.5	3330.5	3285.8	3249.8	3207.9
30°	3336.3	3346.4	3375.3	3424.3	3451.7	3470.5	3453.1	3418.5	3375.3	3327.7
32.5°	3503.6	3516.6	3548.3	3594.5	3600.3	3603.2	3597.4	3580.1	3548.3	3490.7
35°	3715.7	3730.1	3766.2	3803.7	3797.9	3803.7	3795.0	3789.2	3766.2	3699.8
37.5°	3975.3	3992.6	4030.1	4059.0	4044.5	4037.3	4038.8	4040.2	4027.2	3953.7
40°	4276.8	4299.8	4327.3	4357.5	4333.0	4311.4	4325.8	4337.3	4325.8	4250.8
42.5°	4586.9	4620.1	4648.9	4692.2	4672.0	4644.6	4664.8	4677.8	4653.2	4572.5
45°	4931.6	4963.4	5000.9	5065.8	5051.3	5022.5	5051.3	5054.2	5012.4	4917.2
47.5°	5287.9	5321.1	5377.3	5463.9	5458.1	5426.4	5463.9	5443.7	5390.3	5276.4
50°	5625.4	5671.6	5758.1	5879.3	5890.8	5851.9	5902.4	5863.4	5774.0	5631.2
52.5°	5942.8	5991.8	6128.8	6293.3	6335.1	6284.6	6352.4	6284.6	6150.5	5967.3
55°	6276.0	6330.8	6493.8	6708.7	6792.3	6754.8	6818.3	6715.9	6525.5	6303.4
57.5°	6668.3	6701.5	6896.2	7151.5	7292.9	7301.5	7330.4	7157.3	6926.5	6674.1
60°	7093.8	7140.0	7352.0	7657.8	7881.4	7953.5	7923.2	7666.4	7398.2	7108.2
62.5°	7639.0	7689.5	7943.4	8309.8	8663.2	8842.0	8723.7	8351.6	8019.8	7672.2
65°	8090.5	8146.8	8605.5	9258.9	9902.2	10261.4	9964.2	9279.1	8681.9	8191.5
67.5°	7763.1	7832.3	8552.1	9752.2	11351.8	12423.5	11406.6	9899.3	8729.5	8064.6
70°	6785.1	6850.0	7689.5	9156.5	11760.0	14108.3	12005.2	9426.2	7716.9	6972.6
72.5°	4504.7	4713.8	5563.4	7323.2	10500.8	13055.3	10604.7	7174.6	5161.0	4494.6
75°	1494.3	1661.7	2241.5	3796.4	7033.2	9763.7	6695.7	3359.4	1775.6	1278.0
77.5°	376.5	434.2	598.6	1086.1	2805.5	5559.1	2525.7	887.1	483.2	337.5
80°	183.2	201.9	288.5	362.0	702.5	1767.0	659.2	340.4	227.9	176.0
82.5°	101.0	102.4	163.0	204.8	261.1	457.2	271.2	199.1	131.3	106.7
85°	62.0	60.6	86.5	109.6	109.6	163.0	129.8	109.6	75.0	66.4
87.5°	24.5	24.5	31.7	34.6	30.3	41.8	33.2	36.1	28.8	27.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2752.1
2766.6
2788.2
2814.2
2838.7
2863.2
2902.1
2949.7
3004.6
3059.4
3121.4
3206.5
3327.7
3492.1
3699.8
3953.7
4250.8
4578.2
4927.3
5269.2
5628.3
5950.0
6273.1
6639.4
7062.1
7611.6
8110.7
7965.0
6873.1
4348.9
1208.7
301.5
161.6
106.7
69.2
28.8
0.0

OF REPORT)