

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: P953566

Luminaire Tested: **GALN-SB7A-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953566
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-SB7A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30020 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

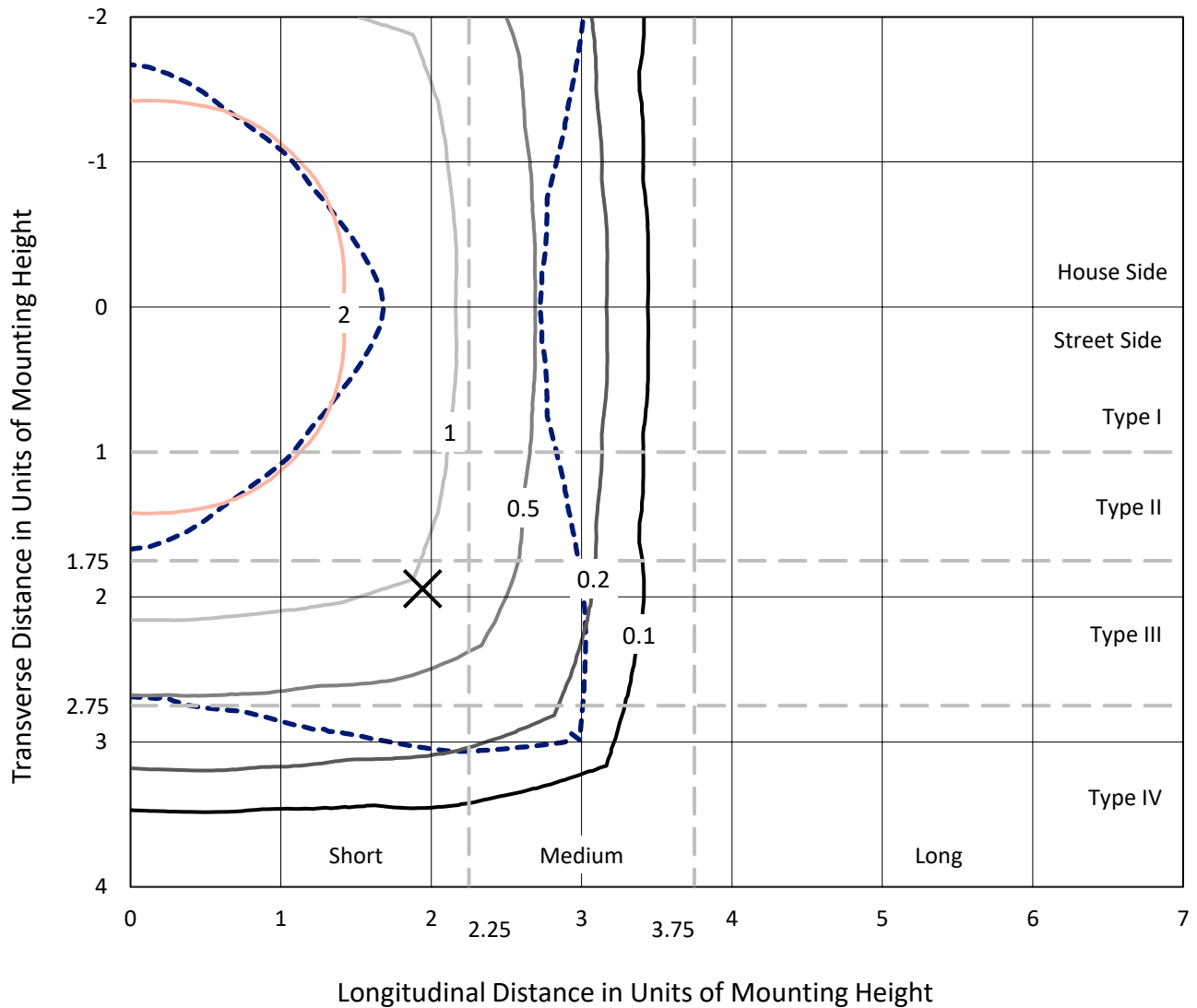
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

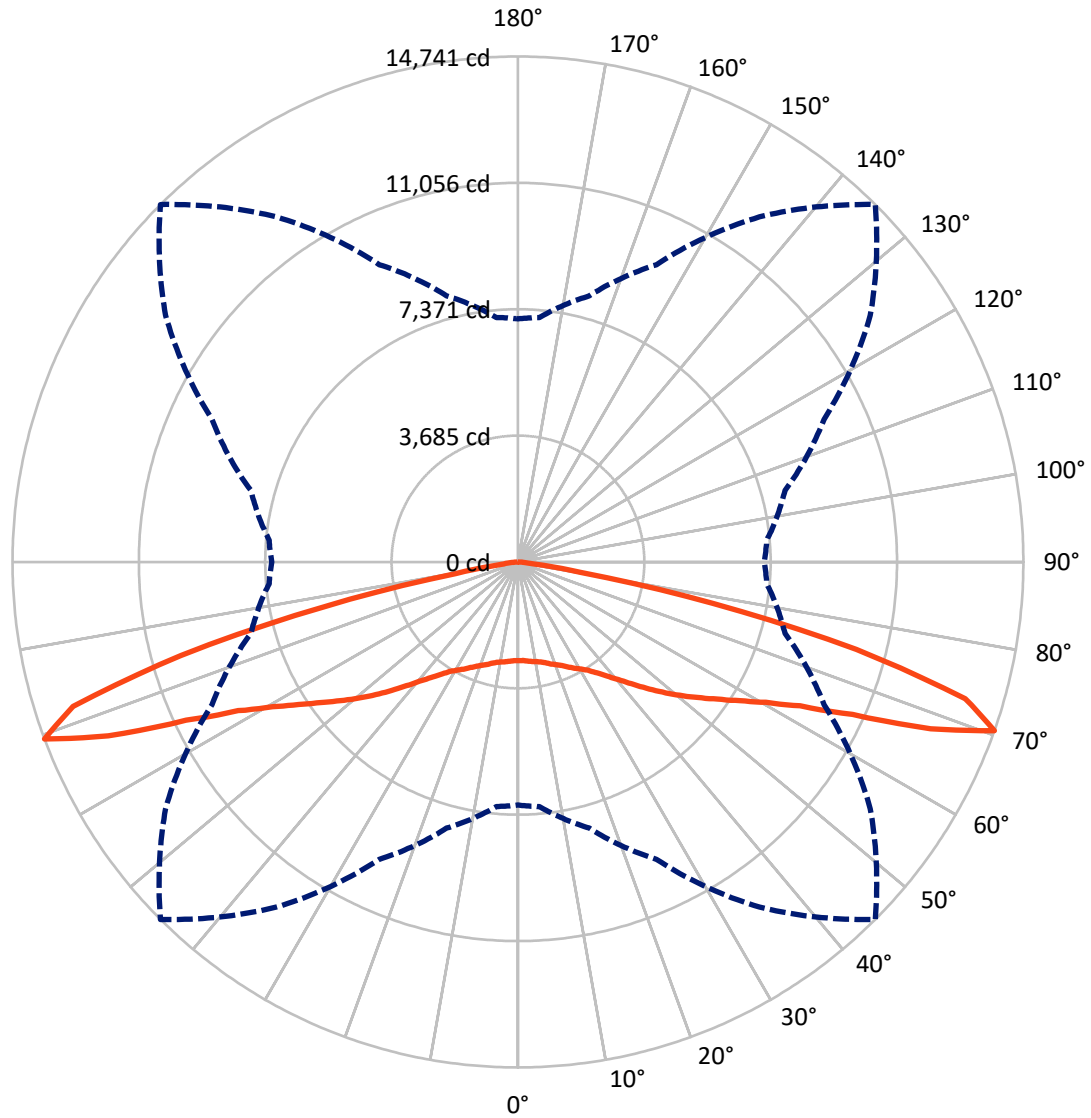
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	15010.0	0.0	15010.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15010.0	0.0	15010.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30020.0	0.0	30020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.4	0.9
10°-20°	866.3	2.9
20°-30°	1548.1	5.2
30°-40°	2509.5	8.4
40°-50°	4087.6	13.6
50°-60°	6232.2	20.8
60°-70°	9271.5	30.9
70°-80°	5053.3	16.8
80°-90°	172.1	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°	30020.0	100.0
0°-180°	30020.0	100.0

Coefficient of Utilization



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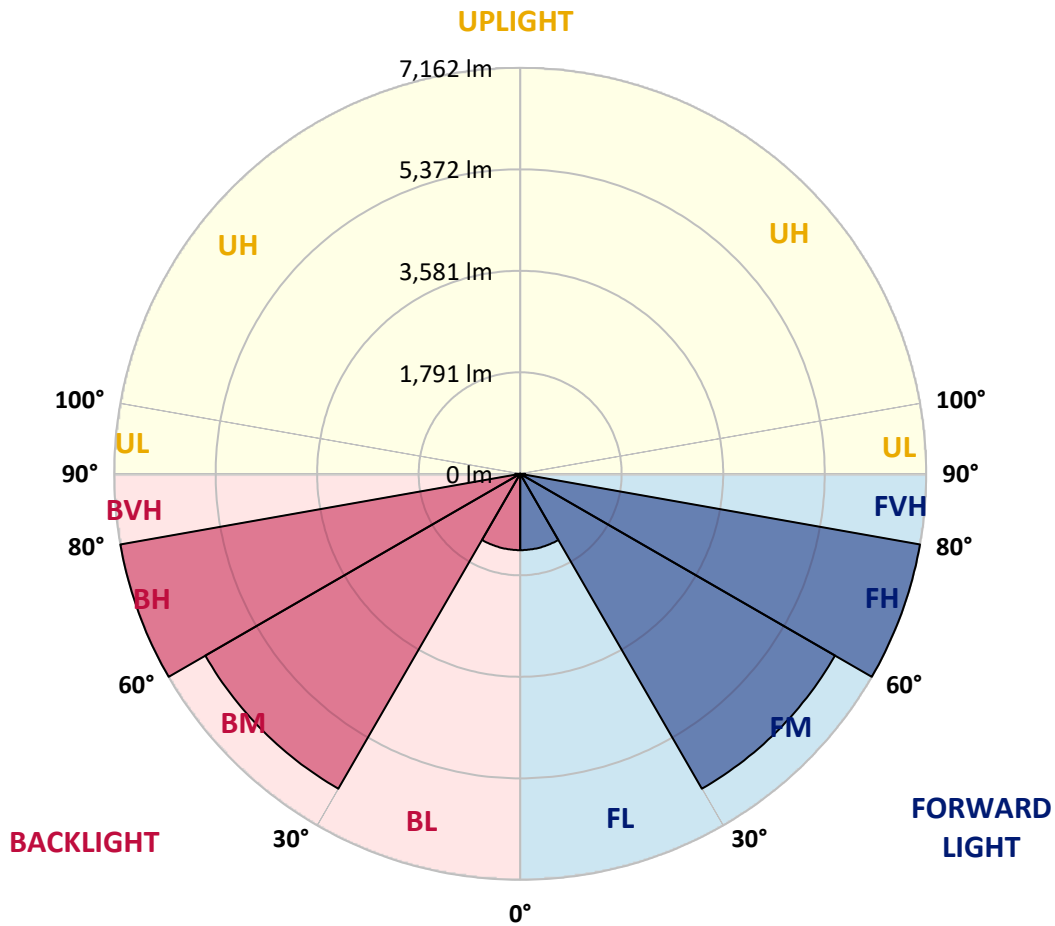
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1346.9	4.5			
FM (30°-60°)	6414.7	21.4			
FH (60°-80°)	7162.4	23.9			G3/7500
FVH (80°-90°)	86.0	0.3			G1/100
BL (0°-30°)	1346.9	4.5	B3/2500		
BM (30°-60°)	6414.7	21.4	B4/8500		
BH (60°-80°)	7162.4	23.9	B5		G3/7500
BVH (80°-90°)	86.0	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°	2875.6	2875.6	2875.6	2875.6	2875.6	2875.6	2875.6	2875.6	2875.6	2875.6
2.5°	2889.2	2892.2	2886.2	2883.1	2880.1	2875.6	2877.1	2884.6	2890.7	2889.2
5°	2913.3	2916.3	2911.8	2910.3	2904.2	2902.7	2902.7	2910.3	2914.8	2911.8
7.5°	2940.4	2944.9	2937.4	2935.9	2932.9	2929.9	2928.4	2935.9	2940.4	2940.4
10°	2966.0	2970.6	2964.5	2960.0	2957.0	2957.0	2954.0	2960.0	2967.5	2966.0
12.5°	2993.2	2996.2	2990.1	2987.1	2987.1	2991.7	2987.1	2990.1	2996.2	2993.2
15°	3026.3	3027.8	3026.3	3030.8	3038.4	3053.4	3039.9	3036.9	3039.9	3032.3
17.5°	3071.5	3074.5	3080.6	3091.1	3101.7	3128.8	3104.7	3097.2	3097.2	3082.1
20°	3127.3	3131.8	3140.9	3158.9	3172.5	3198.1	3174.0	3163.5	3158.9	3139.4
22.5°	3186.1	3193.6	3207.2	3231.3	3255.4	3279.5	3255.4	3237.3	3223.8	3198.1
25°	3253.9	3262.9	3284.0	3323.2	3356.4	3391.0	3362.4	3326.2	3299.1	3262.9
27.5°	3350.4	3360.9	3386.5	3434.8	3477.0	3507.1	3480.0	3433.2	3395.6	3351.9
30°	3486.0	3496.5	3526.7	3577.9	3606.6	3626.2	3608.1	3571.9	3526.7	3477.0
32.5°	3660.8	3674.4	3707.5	3755.8	3761.8	3764.8	3758.8	3740.7	3707.5	3647.3
35°	3882.4	3897.4	3935.1	3974.3	3968.3	3974.3	3965.3	3959.2	3935.1	3865.8
37.5°	4153.7	4171.7	4210.9	4241.1	4226.0	4218.5	4220.0	4221.5	4207.9	4131.0
40°	4468.6	4492.8	4521.4	4553.0	4527.4	4504.8	4519.9	4531.9	4519.9	4441.5
42.5°	4792.7	4827.3	4857.5	4902.7	4881.6	4853.0	4874.1	4887.6	4862.0	4777.6
45°	5152.9	5186.0	5225.2	5293.0	5278.0	5247.8	5278.0	5281.0	5237.3	5137.8
47.5°	5525.1	5559.8	5618.6	5709.0	5703.0	5669.8	5709.0	5687.9	5632.1	5513.1
50°	5877.8	5926.0	6016.5	6143.1	6155.1	6114.4	6167.2	6126.5	6033.0	5883.8
52.5°	6209.4	6260.6	6403.8	6575.6	6619.3	6566.6	6637.4	6566.6	6426.4	6235.0
55°	6557.5	6614.8	6785.1	7009.7	7097.1	7057.9	7124.2	7017.2	6818.3	6586.2
57.5°	6967.5	7002.1	7205.6	7472.4	7620.1	7629.1	7659.2	7478.4	7237.2	6973.5
60°	7412.1	7460.3	7681.8	8001.4	8235.0	8310.3	8278.7	8010.4	7730.1	7427.1
62.5°	7981.8	8034.5	8299.8	8682.6	9051.8	9238.7	9115.1	8726.3	8379.6	8016.4
65°	8453.5	8512.3	8991.5	9674.3	10346.5	10721.7	10411.3	9695.4	9071.4	8559.0
67.5°	8111.4	8183.7	8935.8	10189.7	11861.1	12980.9	11918.4	10343.4	9121.2	8426.4
70°	7089.5	7157.4	8034.5	9567.3	12287.6	14741.2	12543.8	9849.1	8063.1	7285.5
72.5°	4706.8	4925.3	5813.0	7651.7	10971.9	13641.0	11080.4	7496.5	5392.5	4696.2
75°	1561.4	1736.2	2342.1	3966.8	7348.8	10201.8	6996.1	3510.1	1855.3	1335.3
77.5°	393.4	453.6	625.5	1134.9	2931.4	5808.5	2639.0	926.9	504.9	352.7
80°	191.4	211.0	301.4	378.3	734.0	1846.2	688.8	355.7	238.1	183.9
82.5°	105.5	107.0	170.3	214.0	272.8	477.8	283.3	208.0	137.1	111.5
85°	64.8	63.3	90.4	114.5	114.5	170.3	135.6	114.5	78.4	69.3
87.5°	25.6	25.6	33.2	36.2	31.6	43.7	34.7	37.7	30.1	28.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2875.6
2890.7
2913.3
2940.4
2966.0
2991.7
3032.3
3082.1
3139.4
3196.6
3261.4
3350.4
3477.0
3648.8
3865.8
4131.0
4441.5
4783.6
5148.4
5505.5
5880.8
6216.9
6554.5
6937.3
7378.9
7953.1
8474.6
8322.4
7181.5
4544.0
1263.0
315.0
168.8
111.5
72.3
30.1
0.0

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