

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: P948107

Luminaire Tested: **GALN-SB3B-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17704 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

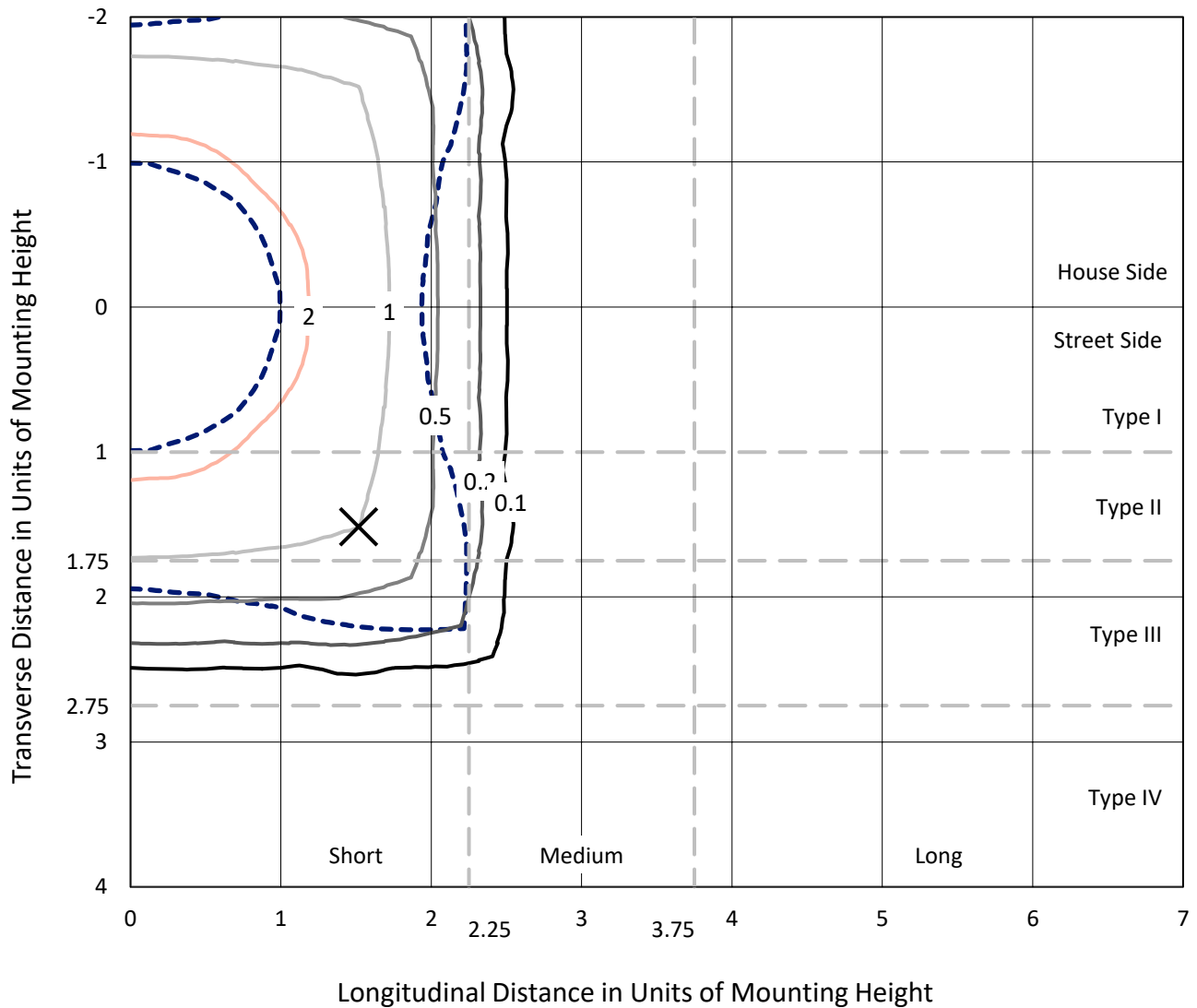
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

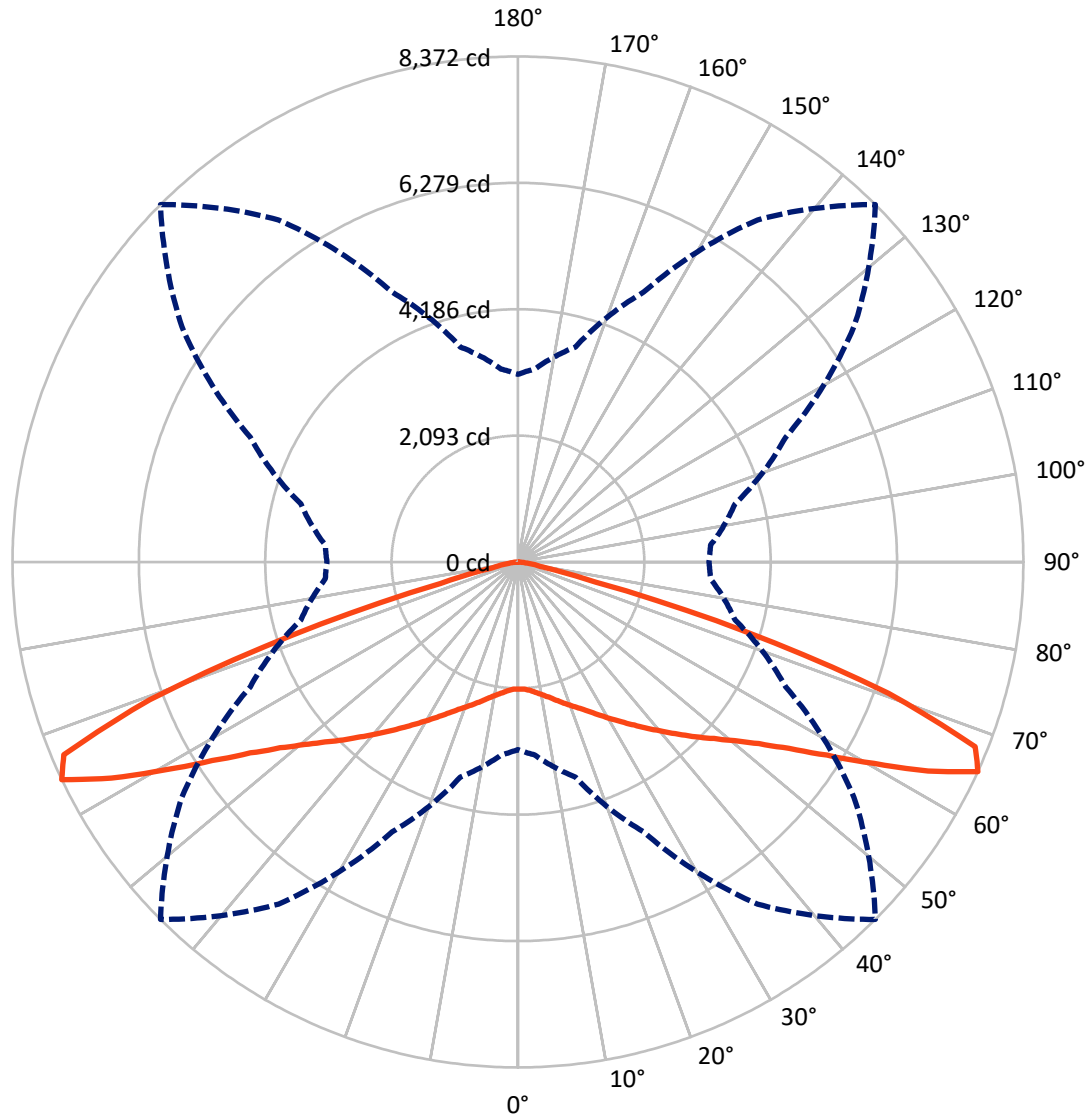
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8852.0	0.0	8852.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8852.0	0.0	8852.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17704.0	0.0	17704.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	1.2
10°-20°	678.5	3.8
20°-30°	1281.1	7.2
30°-40°	2097.8	11.8
40°-50°	3252.6	18.4
50°-60°	4804.8	27.1
60°-70°	4573.7	25.8
70°-80°	738.0	4.2
80°-90°	69.6	0.4
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°	17704.0	100.0
0°-180°	17704.0	100.0



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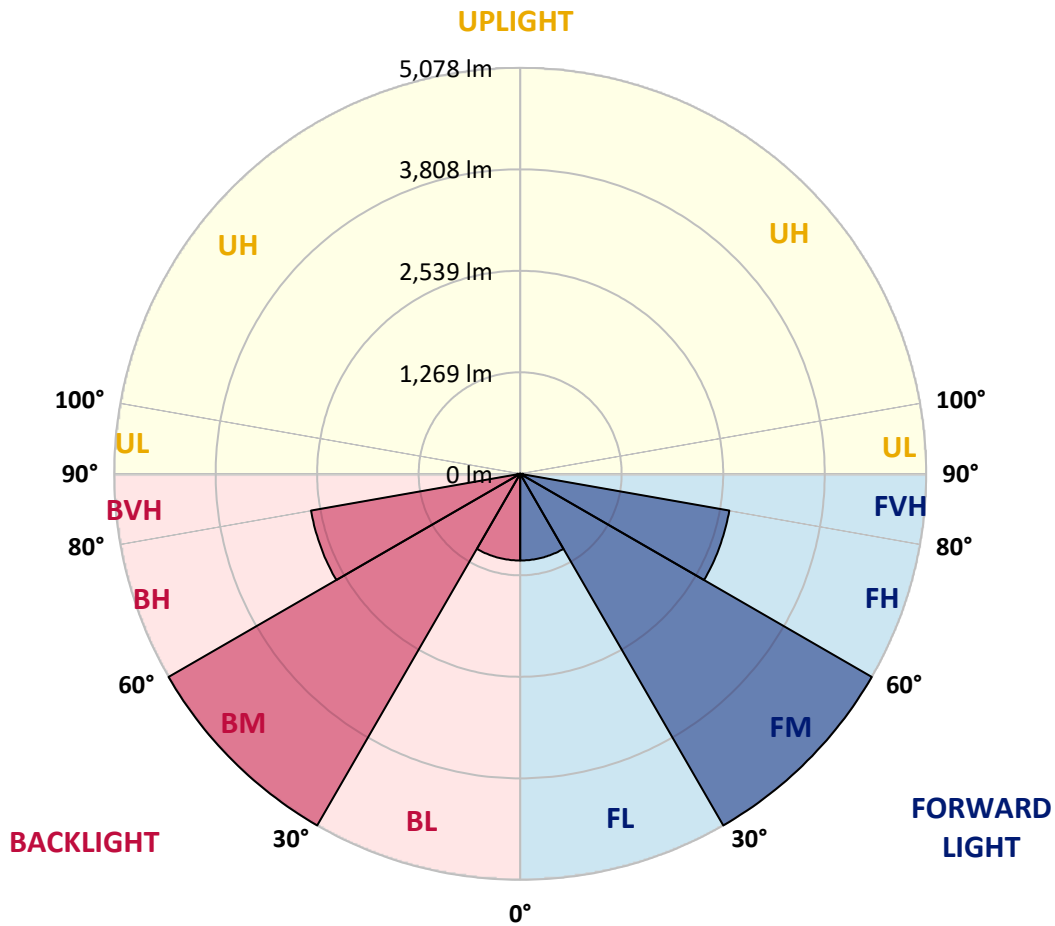
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.8	6.1			
FM (30°-60°)	5077.6	28.7			
FH (60°-80°)	2655.9	15.0			G2/5000
FVH (80°-90°)	34.8	0.2			G1/100
BL (0°-30°)	1083.8	6.1	B3/2500		
BM (30°-60°)	5077.6	28.7	B4/8500		
BH (60°-80°)	2655.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	34.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2107.0	2107.0	2107.0	2107.0	2107.0	2107.0	2107.0	2107.0	2107.0	2107.0
2.5°	2121.2	2114.1	2119.4	2114.9	2111.4	2107.8	2109.6	2115.8	2118.5	2119.4
5°	2149.6	2143.4	2146.0	2146.0	2139.8	2138.0	2138.9	2143.4	2148.7	2148.7
7.5°	2195.8	2189.6	2195.8	2192.2	2186.9	2185.1	2184.2	2187.8	2195.8	2195.8
10°	2251.7	2244.6	2248.2	2246.4	2240.2	2237.5	2236.6	2242.0	2249.1	2248.2
12.5°	2313.0	2305.0	2309.5	2304.1	2302.4	2299.7	2299.7	2298.8	2303.3	2299.7
15°	2381.4	2376.1	2377.9	2374.3	2377.0	2375.2	2368.1	2364.5	2366.3	2361.0
17.5°	2462.3	2449.8	2456.0	2454.3	2454.3	2457.8	2446.3	2441.8	2445.4	2440.1
20°	2555.5	2543.1	2545.8	2542.2	2537.8	2541.3	2527.1	2530.7	2533.3	2529.8
22.5°	2657.7	2641.7	2640.8	2642.6	2632.8	2633.7	2623.9	2632.8	2638.1	2628.4
25°	2762.5	2745.6	2757.2	2752.7	2740.3	2742.9	2735.8	2744.7	2749.2	2736.7
27.5°	2873.5	2862.0	2872.6	2875.3	2860.2	2870.9	2860.2	2868.2	2872.6	2854.0
30°	3003.2	2991.7	3001.4	3008.5	2990.8	3007.6	2998.8	3004.1	3005.0	2982.8
32.5°	3144.4	3126.7	3151.5	3155.1	3135.6	3156.0	3144.4	3151.5	3156.0	3125.8
35°	3316.8	3294.6	3323.0	3318.5	3301.7	3318.5	3307.9	3318.5	3329.2	3292.8
37.5°	3502.4	3479.3	3509.5	3501.5	3485.5	3497.1	3490.9	3498.0	3514.8	3475.8
40°	3706.7	3678.3	3719.1	3704.9	3689.8	3688.1	3691.6	3696.1	3718.3	3674.7
42.5°	3925.2	3895.0	3956.3	3934.1	3912.8	3898.6	3910.1	3919.0	3940.3	3891.5
45°	4174.8	4140.2	4220.1	4193.5	4159.7	4130.4	4149.1	4162.4	4193.5	4134.9
47.5°	4450.2	4411.1	4496.4	4488.4	4433.3	4369.4	4412.0	4450.2	4473.3	4402.2
50°	4719.3	4689.1	4801.0	4810.8	4743.3	4653.6	4713.1	4770.8	4777.1	4683.8
52.5°	4971.6	4941.4	5103.9	5165.2	5104.8	4998.2	5061.3	5119.9	5072.9	4952.1
55°	5173.2	5148.4	5355.3	5513.4	5533.9	5445.9	5483.2	5481.5	5326.9	5141.2
57.5°	5222.1	5218.5	5479.7	5814.6	6027.7	6038.4	5964.7	5776.4	5443.3	5193.7
60°	5000.0	5022.2	5381.1	5971.8	6540.3	6776.5	6457.7	5920.3	5310.9	4964.5
62.5°	4335.6	4394.2	4826.8	5779.9	6954.2	7625.7	6852.9	5701.7	4767.3	4315.2
65°	3107.1	3209.3	3687.2	4932.5	6916.9	8371.9	6796.1	4892.5	3722.7	3201.3
67.5°	1409.7	1513.6	1919.5	3377.2	6012.6	8169.3	5998.4	3412.7	2015.5	1518.9
70°	510.7	528.5	659.1	1351.9	3842.6	6509.2	4006.9	1361.7	700.8	563.2
72.5°	309.1	311.8	339.3	484.1	1335.1	3951.9	1391.9	500.1	346.4	307.3
75°	196.3	194.5	241.6	295.8	473.4	1333.3	496.5	295.8	240.7	219.4
77.5°	141.2	145.7	173.2	221.2	298.5	452.1	293.1	211.4	173.2	142.1
80°	105.7	108.4	126.1	172.3	209.6	281.6	186.5	156.3	130.6	88.8
82.5°	76.4	76.4	82.6	125.2	127.9	151.9	101.3	110.1	86.2	63.1
85°	45.3	44.4	51.5	74.6	66.6	56.0	46.2	67.5	54.2	39.1
87.5°	16.0	16.9	16.0	21.3	17.8	15.1	14.2	18.7	15.1	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2107.0
2119.4
2148.7
2193.1
2246.4
2301.5
2361.9
2444.5
2537.8
2638.1
2750.9
2868.2
2996.1
3146.2
3315.0
3499.7
3688.9
3917.2
4165.1
4426.2
4695.3
4955.6
5147.5
5177.7
4923.6
4288.5
3163.1
1496.7
556.1
312.7
221.2
144.8
91.5
63.1
38.2
12.4
0.0

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