

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: P950609

Luminaire Tested: **GALN-SB5A-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5A-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23334 lumens
Efficiency: N/A
Efficacy: 164.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

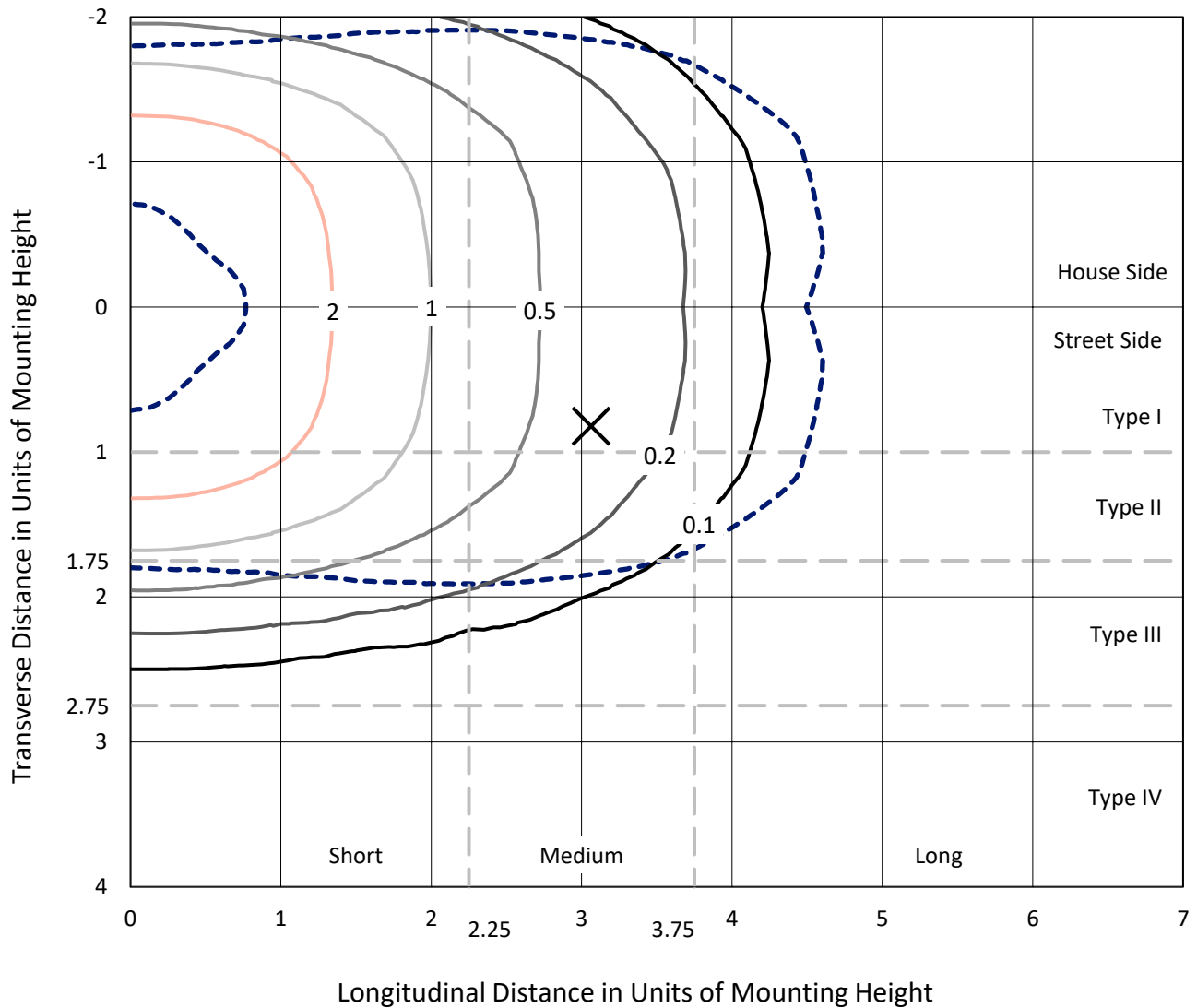
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

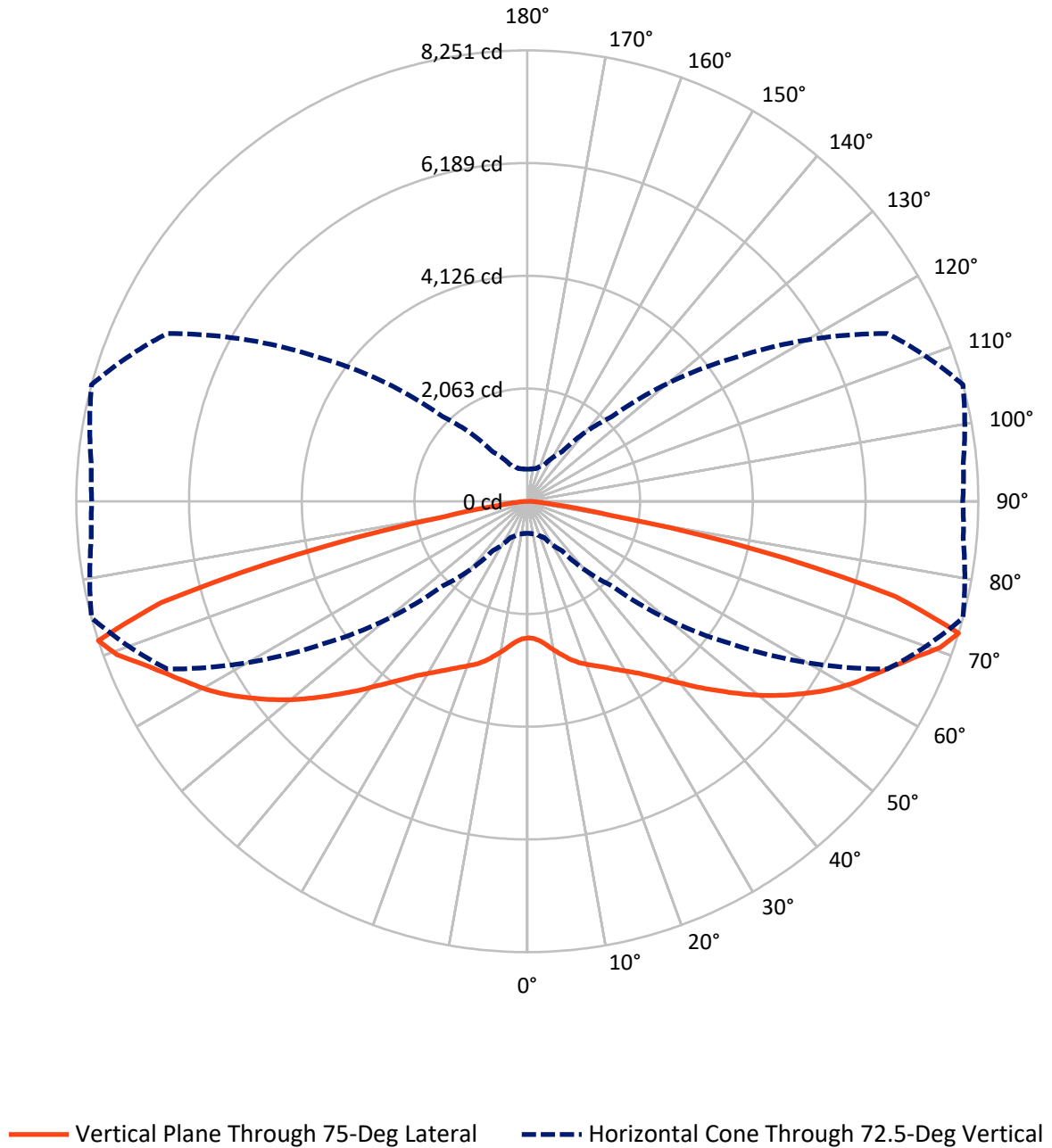
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11667.0	0.0	11667.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11667.0	0.0	11667.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23334.0	0.0	23334.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.8	1.0
10°-20°	807.6	3.5
20°-30°	1560.4	6.7
30°-40°	2634.9	11.3
40°-50°	4178.6	17.9
50°-60°	5594.7	24.0
60°-70°	5324.3	22.8
70°-80°	2778.3	11.9
80°-90°	210.3	0.9
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°	23334.0	100.0
0°-180°	23334.0	100.0



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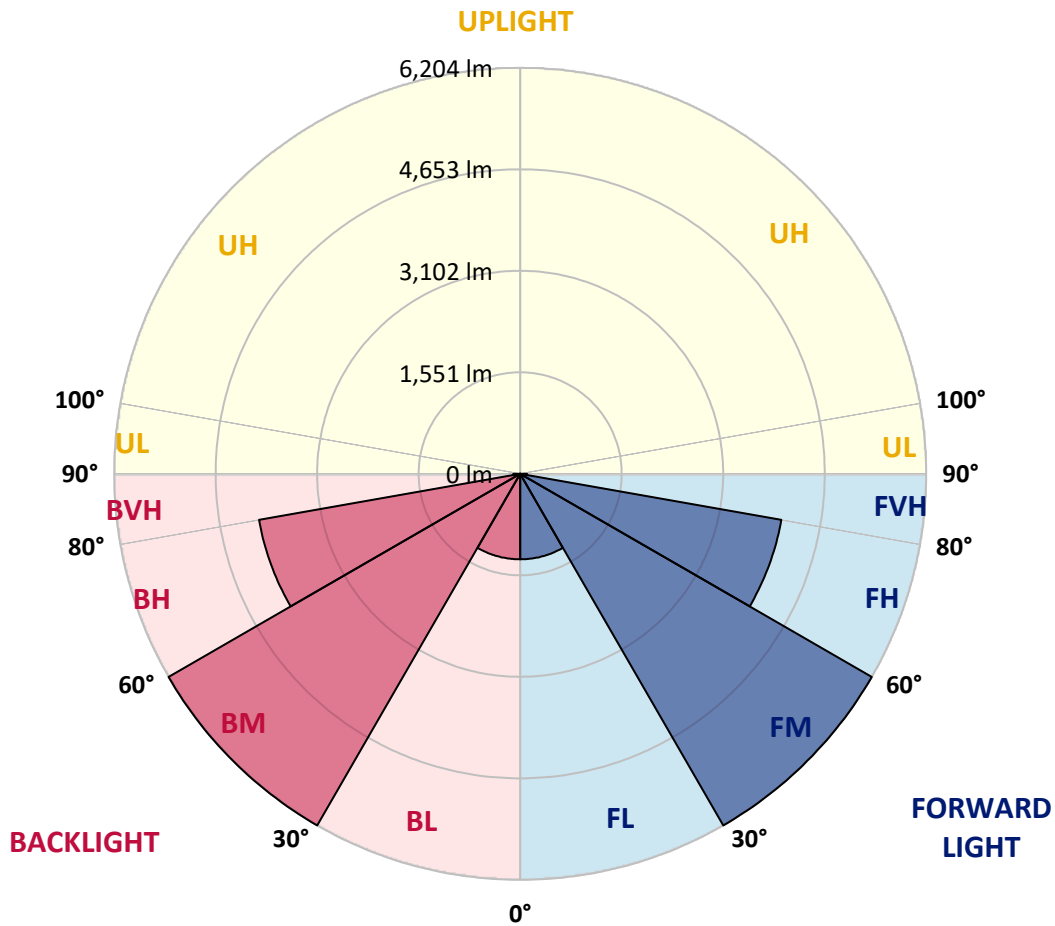
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1306.4	5.6			
FM (30°-60°)	6204.1	26.6			
FH (60°-80°)	4051.3	17.4			G2/5000
FVH (80°-90°)	105.2	0.5			G2/225
BL (0°-30°)	1306.4	5.6	B3/2500		
BM (30°-60°)	6204.1	26.6	B4/8500		
BH (60°-80°)	4051.3	17.4	B4/5000		G4/5000
BVH (80°-90°)	105.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2499.5	2499.5	2499.5	2499.5	2499.5	2499.5	2499.5	2499.5	2499.5	2499.5
2.5°	2499.5	2497.1	2499.5	2501.9	2500.7	2500.7	2506.6	2510.2	2517.4	2516.2
5°	2482.8	2481.6	2491.1	2501.9	2510.2	2524.5	2542.4	2555.5	2572.2	2575.7
7.5°	2474.5	2470.9	2487.6	2506.6	2532.8	2568.6	2603.1	2638.9	2667.5	2677.0
10°	2480.4	2481.6	2504.3	2540.0	2581.7	2631.7	2680.6	2741.3	2781.8	2791.4
12.5°	2507.8	2505.4	2543.6	2600.8	2657.9	2721.1	2778.3	2845.0	2889.1	2911.7
15°	2557.9	2553.1	2606.7	2691.3	2774.7	2848.6	2895.0	2958.2	3009.4	3038.0
17.5°	2617.4	2619.8	2690.1	2799.7	2909.3	2992.7	3036.8	3069.0	3108.3	3133.3
20°	2722.3	2727.0	2805.7	2935.5	3060.6	3155.9	3191.7	3179.8	3190.5	3209.5
22.5°	2862.9	2865.2	2953.4	3094.0	3225.0	3329.9	3353.7	3304.9	3275.1	3288.2
25°	3026.1	3041.6	3129.7	3273.9	3408.5	3508.6	3519.3	3445.4	3371.6	3375.1
27.5°	3225.0	3239.3	3328.7	3471.6	3608.7	3695.6	3694.4	3595.5	3487.1	3459.7
30°	3440.7	3456.2	3547.9	3695.6	3823.1	3899.3	3882.7	3764.7	3609.8	3558.6
32.5°	3696.8	3706.3	3799.3	3947.0	4064.9	4125.7	4091.2	3945.8	3752.8	3694.4
35°	4006.6	4020.9	4090.0	4229.4	4333.0	4383.0	4324.7	4153.1	3936.3	3870.8
37.5°	4360.4	4350.9	4429.5	4553.4	4639.2	4670.2	4590.3	4386.6	4146.0	4068.5
40°	4729.7	4725.0	4810.7	4929.9	4976.3	4995.4	4877.5	4654.7	4387.8	4304.4
42.5°	5064.5	5060.9	5176.5	5308.7	5364.7	5343.3	5194.4	4939.4	4667.8	4572.5
45°	5332.6	5327.8	5469.6	5655.4	5765.0	5729.3	5529.1	5253.9	4951.3	4852.4
47.5°	5538.7	5541.1	5693.5	5923.5	6115.3	6128.4	5871.1	5574.4	5263.5	5151.5
50°	5687.6	5694.7	5858.0	6112.9	6375.0	6490.6	6220.1	5903.2	5586.3	5460.0
52.5°	5724.5	5737.6	5934.2	6233.2	6541.8	6762.2	6575.2	6218.9	5892.5	5772.2
55°	5527.9	5554.2	5803.2	6223.7	6644.3	6940.9	6887.3	6539.4	6201.1	6077.2
57.5°	5076.4	5113.3	5404.0	5953.3	6621.6	7063.6	7129.1	6846.8	6509.6	6390.5
60°	4443.8	4487.9	4766.7	5365.9	6302.3	7108.9	7299.5	7145.8	6793.2	6677.6
62.5°	3489.5	3546.7	3880.3	4583.2	5628.0	6898.0	7444.9	7416.3	7048.1	6904.0
65°	2238.6	2299.3	2650.8	3481.2	4728.5	6252.3	7490.1	7679.6	7317.4	7116.0
67.5°	1349.8	1377.2	1551.2	2109.9	3456.2	5278.9	7106.5	7971.4	7631.9	7381.7
70°	863.7	879.2	982.9	1239.0	1953.8	3851.7	6155.8	8026.2	8013.1	7654.5
72.5°	586.2	590.9	618.3	733.9	1105.6	2188.5	4540.3	7266.2	8251.4	8006.0
75°	428.9	455.1	499.2	519.4	627.9	1093.7	2601.9	5105.0	6954.0	7061.2
77.5°	319.3	320.5	381.2	405.1	448.0	582.6	1100.8	2849.8	4317.5	4533.2
80°	270.4	256.1	255.0	326.4	337.2	363.4	492.0	984.1	1546.4	937.6
82.5°	225.2	209.7	189.4	255.0	229.9	222.8	213.3	400.3	492.0	241.8
85°	157.3	150.1	143.0	166.8	131.1	112.0	102.5	187.0	207.3	102.5
87.5°	67.9	70.3	71.5	73.9	54.8	39.3	39.3	52.4	52.4	40.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2499.5
2515.0
2575.7
2679.4
2800.9
2921.2
3048.7
3145.2
3223.8
3297.7
3381.1
3468.1
3564.6
3708.7
3880.3
4082.8
4331.8
4596.3
4875.1
5184.8
5498.2
5803.2
6111.7
6417.9
6702.6
6920.7
7141.1
7400.8
7652.2
7967.9
6801.5
4043.5
708.9
206.1
90.5
29.8
0.0

OF REPORT)