

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: P954053

Luminaire Tested: **GALN-SB7B-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954053
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-SB7B-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28687 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

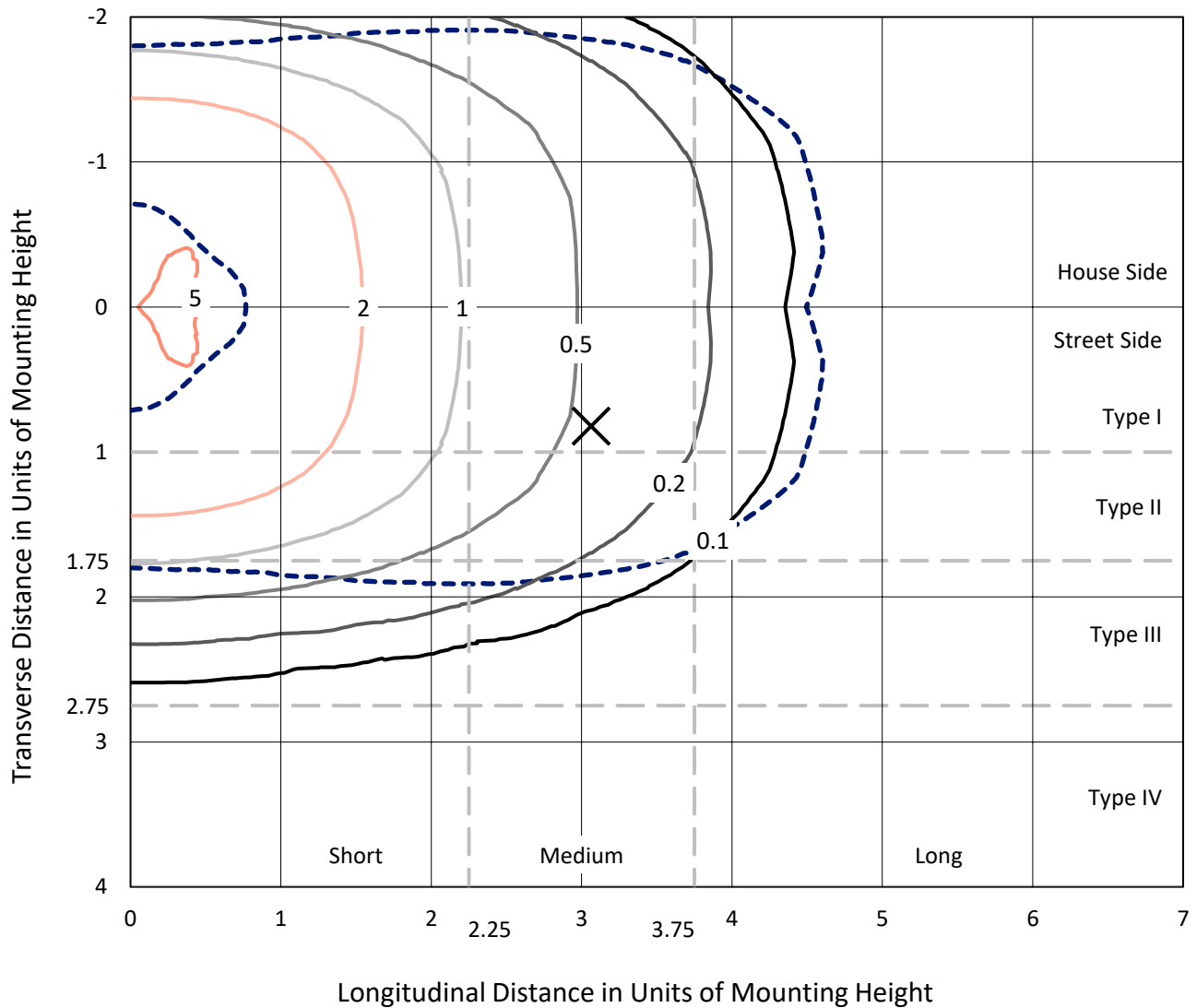
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

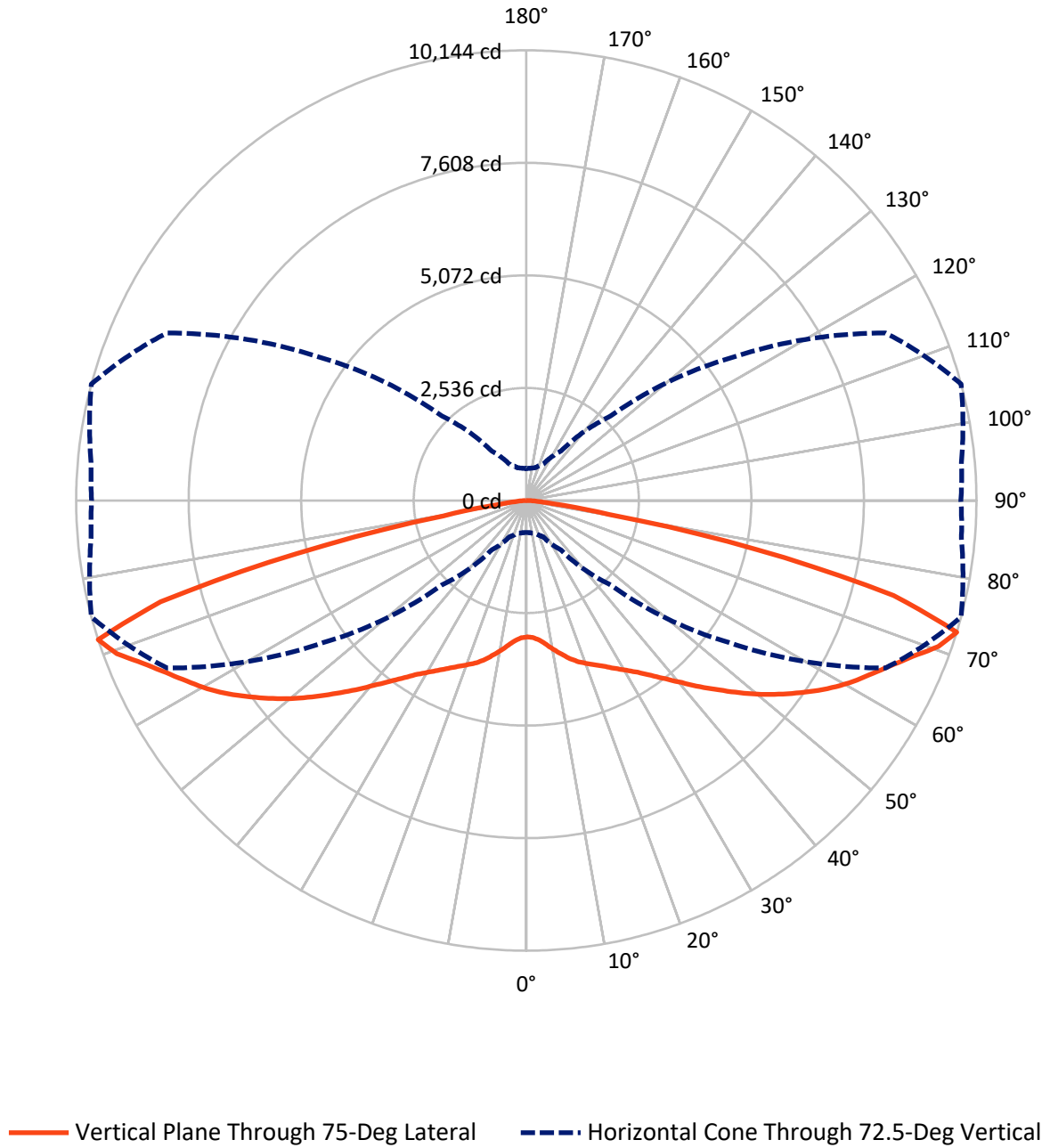
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	14343.5	0.0	14343.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14343.5	0.0	14343.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28687.0	0.0	28687.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	1.0
10°-20°	992.8	3.5
20°-30°	1918.4	6.7
30°-40°	3239.3	11.3
40°-50°	5137.2	17.9
50°-60°	6878.2	24.0
60°-70°	6545.8	22.8
70°-80°	3415.7	11.9
80°-90°	258.6	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°	28687.0	100.0
0°-180°	28687.0	100.0

Coefficient of Utilization



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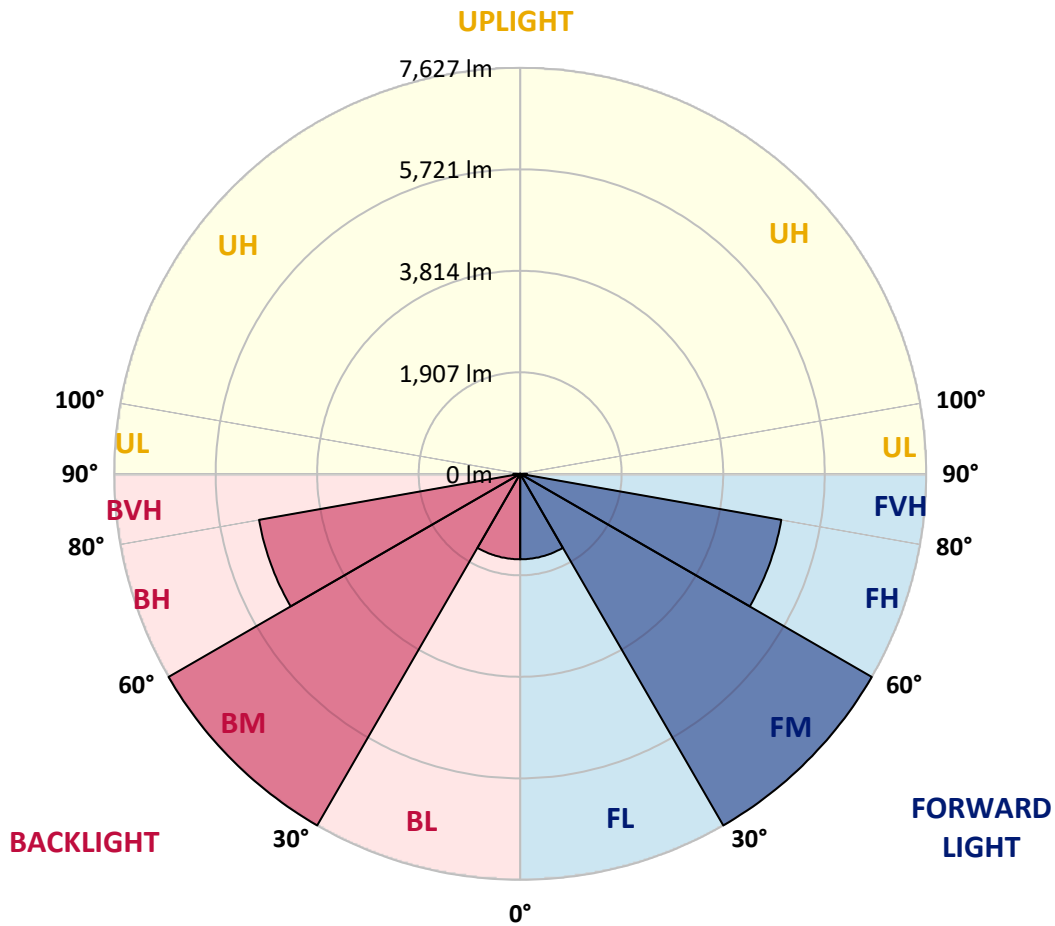
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1606.1	5.6			
FM (30°-60°)	7627.4	26.6			
FH (60°-80°)	4980.7	17.4			G2/5000
FVH (80°-90°)	129.3	0.5			G2/225
BL (0°-30°)	1606.1	5.6	B3/2500		
BM (30°-60°)	7627.4	26.6	B4/8500		
BH (60°-80°)	4980.7	17.4	B4/5000		G4/5000
BVH (80°-90°)	129.3	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°	3072.9	3072.9	3072.9	3072.9	3072.9	3072.9	3072.9	3072.9	3072.9	3072.9
2.5°	3072.9	3070.0	3072.9	3075.8	3074.4	3074.4	3081.7	3086.1	3094.9	3093.4
5°	3052.4	3050.9	3062.6	3075.8	3086.1	3103.6	3125.6	3141.7	3162.2	3166.6
7.5°	3042.1	3037.7	3058.2	3081.7	3113.9	3157.8	3200.3	3244.3	3279.4	3291.1
10°	3049.5	3050.9	3078.7	3122.7	3174.0	3235.5	3295.5	3370.2	3420.0	3431.7
12.5°	3083.1	3080.2	3127.1	3197.4	3267.7	3345.3	3415.6	3497.6	3551.8	3579.7
15°	3144.7	3138.8	3204.7	3308.7	3411.2	3502.0	3559.2	3636.8	3699.8	3734.9
17.5°	3217.9	3220.8	3307.2	3442.0	3576.7	3679.3	3733.5	3773.0	3821.3	3852.1
20°	3346.8	3352.6	3449.3	3609.0	3762.8	3879.9	3923.9	3909.2	3922.4	3945.8
22.5°	3519.6	3522.5	3630.9	3803.8	3964.9	4093.8	4123.1	4063.0	4026.4	4042.5
25°	3720.3	3739.3	3847.7	4024.9	4190.4	4313.5	4326.7	4235.8	4145.0	4149.4
27.5°	3964.9	3982.5	4092.3	4268.1	4436.5	4543.4	4542.0	4420.4	4287.1	4253.4
30°	4230.0	4249.0	4361.8	4543.4	4700.1	4793.9	4773.4	4628.4	4438.0	4375.0
32.5°	4544.9	4556.6	4670.9	4852.5	4997.5	5072.2	5029.7	4851.0	4613.7	4542.0
35°	4925.7	4943.3	5028.2	5199.6	5327.0	5388.5	5316.8	5105.9	4839.3	4758.7
37.5°	5360.7	5349.0	5445.7	5598.0	5703.5	5741.5	5643.4	5392.9	5097.1	5001.9
40°	5814.8	5808.9	5914.4	6060.8	6118.0	6141.4	5996.4	5722.5	5394.4	5291.9
42.5°	6226.3	6221.9	6364.0	6526.6	6595.4	6569.1	6386.0	6072.5	5738.6	5621.4
45°	6555.9	6550.0	6724.3	6952.8	7087.6	7043.6	6797.6	6459.2	6087.2	5965.6
47.5°	6809.3	6812.2	6999.7	7282.4	7518.2	7534.3	7217.9	6853.2	6470.9	6333.3
50°	6992.4	7001.2	7201.8	7515.3	7837.5	7979.6	7647.1	7257.5	6867.9	6712.6
52.5°	7037.8	7053.9	7295.6	7663.2	8042.5	8313.5	8083.5	7645.6	7244.3	7096.4
55°	6796.1	6828.3	7134.4	7651.5	8168.5	8533.2	8467.3	8039.6	7623.6	7471.3
57.5°	6241.0	6286.4	6643.8	7319.0	8140.7	8684.1	8764.6	8417.5	8003.0	7856.5
60°	5463.2	5517.4	5860.2	6596.9	7748.1	8739.7	8974.1	8785.1	8351.6	8209.5
62.5°	4290.0	4360.3	4770.5	5634.6	6919.1	8480.5	9152.8	9117.6	8665.0	8487.8
65°	2752.1	2826.8	3258.9	4279.8	5813.3	7686.6	9208.4	9441.3	8996.0	8748.5
67.5°	1659.5	1693.2	1907.0	2593.9	4249.0	6490.0	8736.8	9800.2	9382.7	9075.1
70°	1061.9	1080.9	1208.4	1523.3	2402.1	4735.3	7568.0	9867.5	9851.4	9410.5
72.5°	720.6	726.5	760.2	902.2	1359.2	2690.6	5581.9	8933.1	10144.3	9842.6
75°	527.3	559.5	613.7	638.6	771.9	1344.6	3198.9	6276.1	8549.3	8681.1
77.5°	392.5	394.0	468.7	498.0	550.7	716.2	1353.4	3503.5	5308.0	5573.1
80°	332.5	314.9	313.4	401.3	414.5	446.7	604.9	1209.8	1901.2	1152.7
82.5°	276.8	257.8	232.9	313.4	282.7	273.9	262.2	492.1	604.9	297.3
85°	193.3	184.5	175.8	205.1	161.1	137.7	126.0	230.0	254.9	126.0
87.5°	83.5	86.4	87.9	90.8	67.4	48.3	48.3	64.4	64.4	49.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3072.9
3091.9
3166.6
3294.1
3443.5
3591.4
3748.1
3866.7
3963.4
4054.2
4156.8
4263.7
4382.3
4559.5
4770.5
5019.4
5325.6
5650.7
5993.5
6374.3
6759.5
7134.4
7513.8
7890.2
8240.3
8508.3
8779.3
9098.6
9407.6
9795.8
8361.8
4971.1
871.5
253.4
111.3
36.6
0.0

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