

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: P952625

Luminaire Tested: **GALN-SB6B-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952625
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-SB6B-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 24461 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

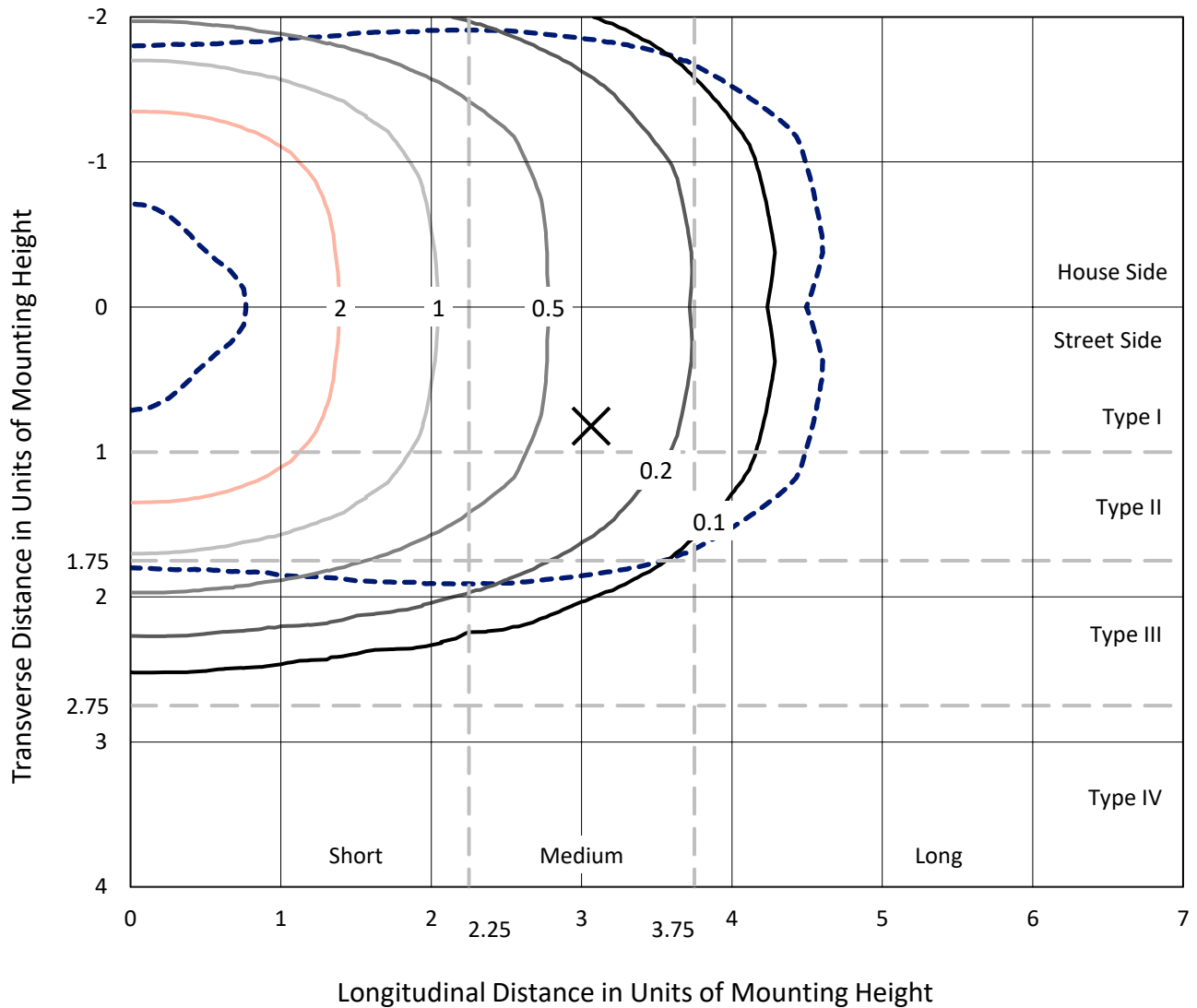
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

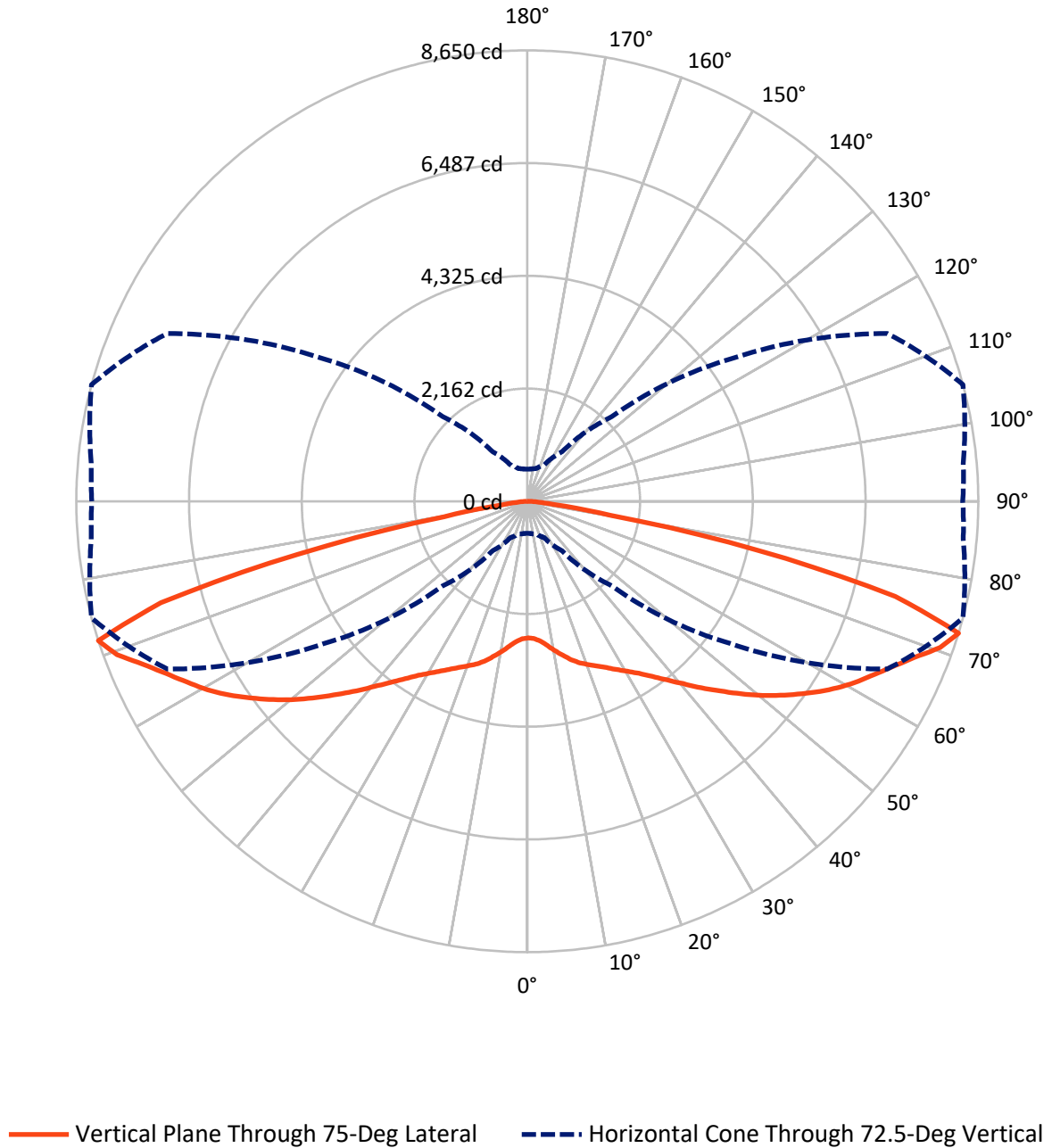
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12230.5	0.0	12230.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12230.5	0.0	12230.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24461.0	0.0	24461.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.7	1.0
10°-20°	846.6	3.5
20°-30°	1635.8	6.7
30°-40°	2762.1	11.3
40°-50°	4380.4	17.9
50°-60°	5864.9	24.0
60°-70°	5581.5	22.8
70°-80°	2912.5	11.9
80°-90°	220.5	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°	24461.0	100.0
0°-180°	24461.0	100.0

Coefficient of Utilization



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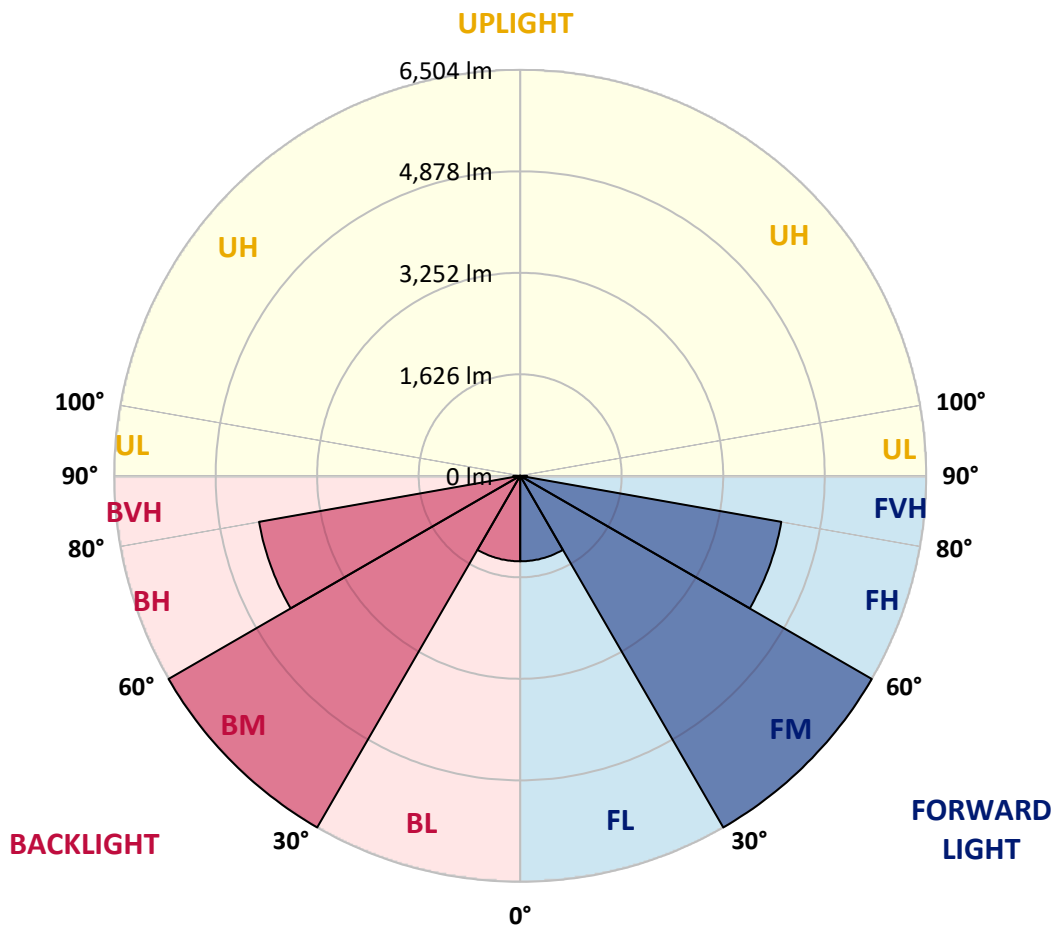
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1369.5	5.6			
FM (30°-60°)	6503.7	26.6			
FH (60°-80°)	4247.0	17.4			G2/5000
FVH (80°-90°)	110.2	0.5			G2/225
BL (0°-30°)	1369.5	5.6	B3/2500		
BM (30°-60°)	6503.7	26.6	B4/8500		
BH (60°-80°)	4247.0	17.4	B4/5000		G4/5000
BVH (80°-90°)	110.2	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°	2620.2	2620.2	2620.2	2620.2	2620.2	2620.2	2620.2	2620.2	2620.2	2620.2
2.5°	2620.2	2617.7	2620.2	2622.7	2621.5	2621.5	2627.7	2631.5	2638.9	2637.7
5°	2602.7	2601.5	2611.5	2622.7	2631.5	2646.4	2665.2	2678.9	2696.4	2700.1
7.5°	2594.0	2590.2	2607.7	2627.7	2655.2	2692.6	2728.9	2766.3	2796.3	2806.3
10°	2600.2	2601.5	2625.2	2662.7	2706.4	2758.8	2810.0	2873.7	2916.2	2926.2
12.5°	2629.0	2626.5	2666.4	2726.4	2786.3	2852.5	2912.5	2982.4	3028.6	3052.3
15°	2681.4	2676.4	2732.6	2821.3	2908.7	2986.1	3034.8	3101.0	3154.7	3184.7
17.5°	2743.9	2746.4	2820.0	2934.9	3049.8	3137.3	3183.5	3217.2	3258.4	3284.6
20°	2853.8	2858.8	2941.2	3077.3	3208.4	3308.4	3345.8	3333.3	3344.6	3364.6
22.5°	3001.1	3003.6	3096.0	3243.4	3380.8	3490.7	3515.7	3464.5	3433.3	3447.0
25°	3172.2	3188.5	3280.9	3432.0	3573.1	3678.0	3689.3	3611.8	3534.4	3538.2
27.5°	3380.8	3395.8	3489.5	3639.3	3782.9	3874.1	3872.9	3769.2	3655.6	3626.8
30°	3606.8	3623.1	3719.3	3874.1	4007.7	4087.7	4070.2	3946.6	3784.2	3730.5
32.5°	3875.4	3885.4	3982.8	4137.6	4261.3	4325.0	4288.8	4136.4	3934.1	3872.9
35°	4200.1	4215.1	4287.5	4433.6	4542.3	4594.7	4533.5	4353.7	4126.4	4057.7
37.5°	4571.0	4561.0	4643.4	4773.3	4863.3	4895.7	4812.0	4598.5	4346.2	4265.0
40°	4958.2	4953.2	5043.1	5168.0	5216.7	5236.7	5113.0	4879.5	4599.7	4512.3
42.5°	5309.1	5305.4	5426.5	5565.1	5623.8	5601.4	5445.2	5178.0	4893.2	4793.3
45°	5590.1	5585.1	5733.7	5928.6	6043.5	6006.0	5796.2	5507.7	5190.5	5086.8
47.5°	5806.2	5808.7	5968.5	6209.6	6410.6	6424.4	6154.6	5843.6	5517.7	5400.3
50°	5962.3	5969.8	6140.9	6408.2	6682.9	6804.1	6520.6	6188.3	5856.1	5723.7
52.5°	6001.0	6014.7	6220.8	6534.3	6857.8	7088.8	6892.7	6519.3	6177.1	6051.0
55°	5794.9	5822.4	6083.4	6524.3	6965.2	7276.1	7219.9	6855.3	6500.6	6370.7
57.5°	5321.6	5360.3	5665.1	6240.8	6941.4	7404.8	7473.5	7177.5	6824.0	6699.1
60°	4658.4	4704.6	4996.9	5625.1	6606.7	7452.2	7652.1	7491.0	7121.3	7000.1
62.5°	3658.1	3718.0	4067.7	4804.6	5899.8	7231.2	7804.4	7774.5	7388.5	7237.4
65°	2346.7	2410.4	2778.8	3649.3	4956.9	6554.3	7851.9	8050.5	7670.8	7459.7
67.5°	1415.0	1443.7	1626.1	2211.8	3623.1	5533.9	7449.7	8356.4	8000.5	7738.2
70°	905.5	921.7	1030.3	1298.9	2048.2	4037.7	6453.1	8413.9	8400.2	8024.2
72.5°	614.5	619.5	648.2	769.3	1159.0	2294.2	4759.6	7617.1	8649.9	8392.7
75°	449.6	477.1	523.3	544.5	658.2	1146.5	2727.6	5351.6	7289.9	7402.3
77.5°	334.7	336.0	399.7	424.6	469.6	610.7	1154.0	2987.4	4526.0	4752.1
80°	283.5	268.5	267.3	342.2	353.4	380.9	515.8	1031.6	1621.1	982.9
82.5°	236.0	219.8	198.6	267.3	241.0	233.5	223.6	419.6	515.8	253.5
85°	164.9	157.4	149.9	174.8	137.4	117.4	107.4	196.1	217.3	107.4
87.5°	71.2	73.7	74.9	77.4	57.4	41.2	41.2	55.0	55.0	42.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2620.2
2636.4
2700.1
2808.8
2936.2
3062.3
3196.0
3297.1
3379.5
3457.0
3544.4
3635.6
3736.7
3887.9
4067.7
4280.0
4541.0
4818.3
5110.5
5435.3
5763.7
6083.4
6406.9
6727.9
7026.4
7254.9
7486.0
7758.2
8021.7
8352.7
7130.0
4238.8
743.1
216.1
94.9
31.2
0.0

OF REPORT)