

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: P951554

Luminaire Tested: **GALN-SB5C-935-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951554
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-SB5C-935-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27100 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

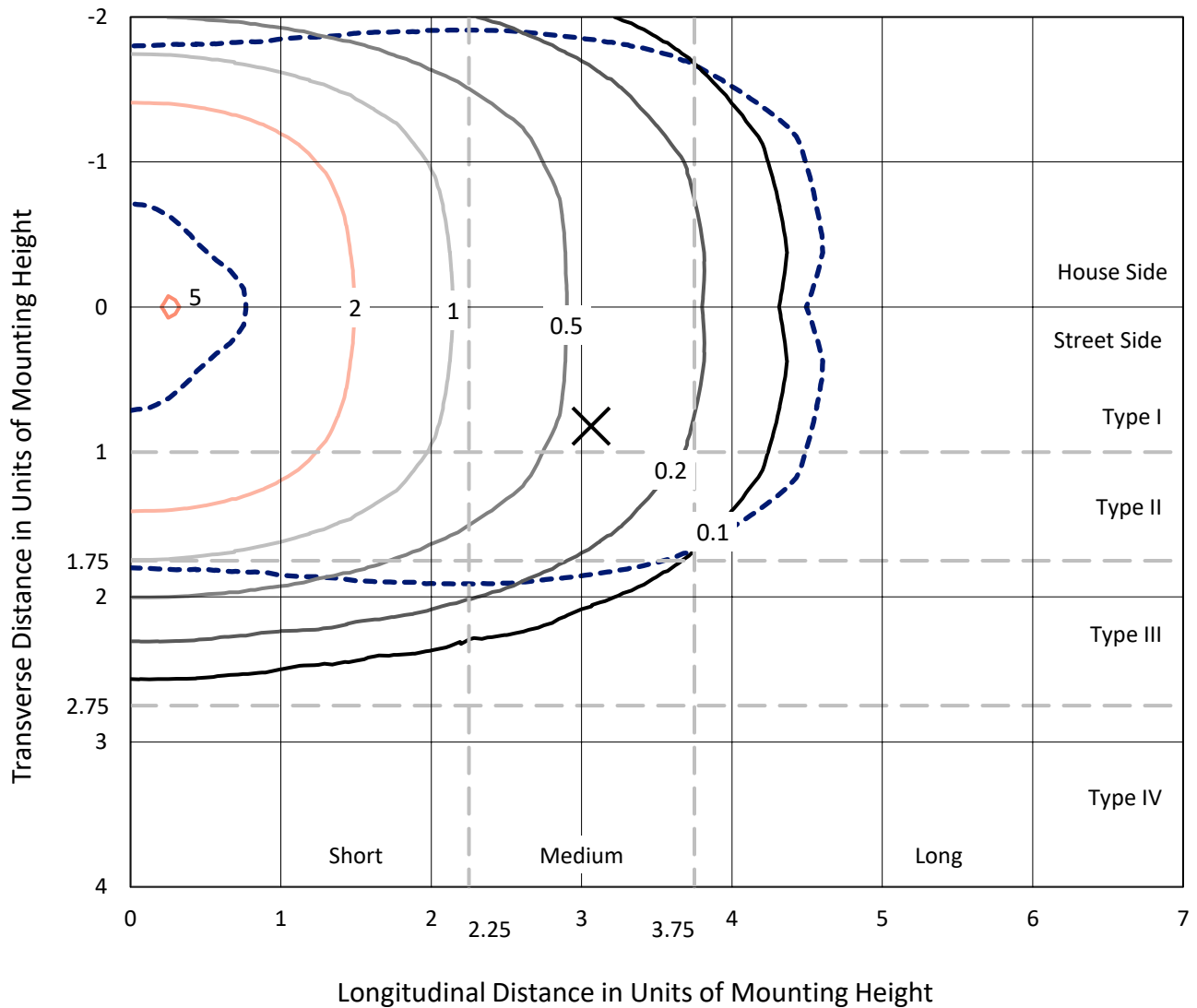
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

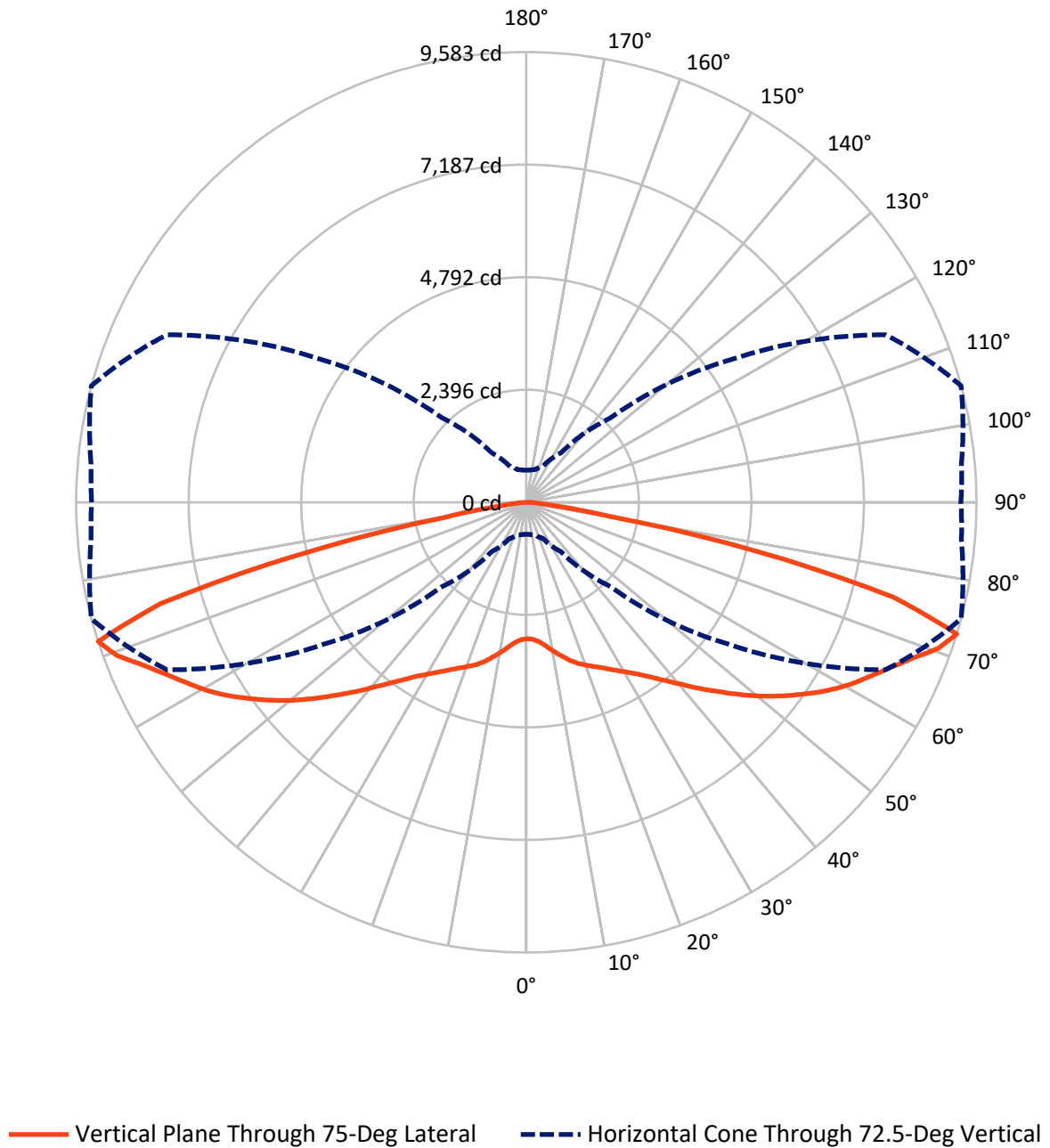
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	13550.0	0.0	13550.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13550.0	0.0	13550.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27100.0	0.0	27100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	1.0
10°-20°	937.9	3.5
20°-30°	1812.3	6.7
30°-40°	3060.1	11.3
40°-50°	4853.0	17.9
50°-60°	6497.6	24.0
60°-70°	6183.7	22.8
70°-80°	3226.7	11.9
80°-90°	244.2	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°	27100.0	100.0
0°-180°	27100.0	100.0

Coefficient of Utilization



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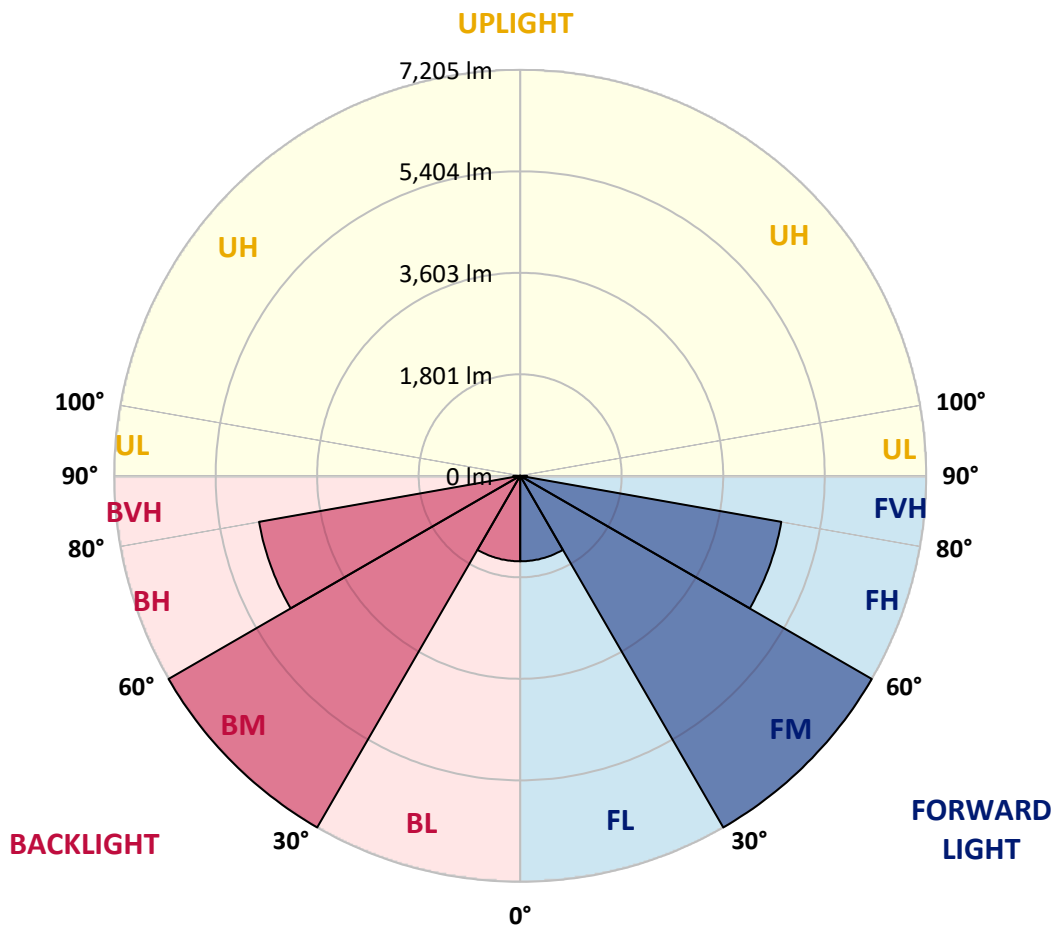
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1517.3	5.6			
FM (30°-60°)	7205.4	26.6			
FH (60°-80°)	4705.2	17.4			G2/5000
FVH (80°-90°)	122.1	0.5			G2/225
BL (0°-30°)	1517.3	5.6	B3/2500		
BM (30°-60°)	7205.4	26.6	B4/8500		
BH (60°-80°)	4705.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	122.1	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°	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9
2.5°	2902.9	2900.1	2902.9	2905.7	2904.3	2904.3	2911.2	2915.3	2923.6	2922.3
5°	2883.5	2882.1	2893.2	2905.7	2915.3	2932.0	2952.7	2967.9	2987.3	2991.4
7.5°	2873.8	2869.7	2889.1	2911.2	2941.6	2983.1	3023.3	3064.8	3098.0	3109.1
10°	2880.8	2882.1	2908.4	2949.9	2998.4	3056.5	3113.2	3183.8	3230.8	3241.9
12.5°	2912.6	2909.8	2954.1	3020.5	3086.9	3160.3	3226.7	3304.2	3355.3	3381.6
15°	2970.7	2965.2	3027.4	3125.7	3222.5	3308.3	3362.3	3435.6	3495.1	3528.3
17.5°	3039.9	3042.6	3124.3	3251.6	3378.9	3475.7	3526.9	3564.3	3609.9	3639.0
20°	3161.6	3167.2	3258.5	3409.3	3554.6	3665.3	3706.8	3693.0	3705.4	3727.5
22.5°	3324.9	3327.7	3430.1	3593.3	3745.5	3867.3	3895.0	3838.2	3803.7	3818.9
25°	3514.5	3532.5	3634.8	3802.3	3958.6	4074.8	4087.3	4001.5	3915.7	3919.9
27.5°	3745.5	3762.1	3865.9	4032.0	4191.1	4292.1	4290.7	4175.9	4049.9	4018.1
30°	3996.0	4014.0	4120.5	4292.1	4440.1	4528.7	4509.3	4372.3	4192.5	4133.0
32.5°	4293.5	4304.5	4412.5	4584.0	4721.0	4791.6	4751.4	4582.6	4358.5	4290.7
35°	4653.2	4669.8	4750.1	4912.0	5032.3	5090.4	5022.6	4823.4	4571.6	4495.5
37.5°	5064.2	5053.1	5144.4	5288.3	5387.9	5423.9	5331.2	5094.6	4815.1	4725.2
40°	5493.1	5487.6	5587.2	5725.5	5779.5	5801.6	5664.7	5405.9	5096.0	4999.1
42.5°	5881.9	5877.7	6012.0	6165.5	6230.6	6205.7	6032.7	5736.6	5421.1	5310.4
45°	6193.2	6187.7	6352.3	6568.2	6695.5	6654.0	6421.5	6101.9	5750.4	5635.6
47.5°	6432.6	6435.4	6612.5	6879.5	7102.3	7117.5	6818.6	6474.1	6113.0	5982.9
50°	6605.5	6613.8	6803.4	7099.5	7403.9	7538.1	7224.0	6856.0	6487.9	6341.3
52.5°	6648.4	6663.7	6892.0	7239.3	7597.6	7853.6	7636.4	7222.6	6843.5	6703.8
55°	6420.1	6450.6	6739.8	7228.2	7716.6	8061.1	7998.9	7594.8	7201.9	7058.0
57.5°	5895.7	5938.6	6276.2	6914.1	7690.3	8203.7	8279.8	7951.8	7560.3	7421.9
60°	5161.0	5212.2	5536.0	6232.0	7319.5	8256.2	8477.6	8299.1	7889.6	7755.4
62.5°	4052.7	4119.1	4506.5	5322.9	6536.4	8011.3	8646.4	8613.2	8185.7	8018.2
65°	2599.9	2670.4	3078.6	4043.0	5491.7	7261.4	8699.0	8919.0	8498.4	8264.5
67.5°	1567.7	1599.5	1801.5	2450.4	4014.0	6130.9	8253.5	9258.0	8863.7	8573.1
70°	1003.1	1021.1	1141.5	1439.0	2269.2	4473.3	7149.3	9321.6	9306.4	8889.9
72.5°	680.8	686.3	718.1	852.3	1284.0	2541.8	5273.1	8438.9	9583.2	9298.1
75°	498.1	528.6	579.7	603.3	729.2	1270.2	3021.9	5928.9	8076.4	8200.9
77.5°	370.8	372.2	442.8	470.4	520.3	676.6	1278.5	3309.7	5014.3	5264.8
80°	314.1	297.5	296.1	379.1	391.6	422.0	571.4	1142.9	1796.0	1088.9
82.5°	261.5	243.5	220.0	296.1	267.0	258.7	247.7	464.9	571.4	280.9
85°	182.6	174.3	166.0	193.7	152.2	130.1	119.0	217.2	240.8	119.0
87.5°	78.9	81.6	83.0	85.8	63.6	45.7	45.7	60.9	60.9	47.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2902.9
2920.9
2991.4
3111.8
3253.0
3392.7
3540.8
3652.8
3744.2
3829.9
3926.8
4027.8
4139.9
4307.3
4506.5
4741.8
5030.9
5338.1
5661.9
6021.6
6385.5
6739.8
7098.1
7453.7
7784.4
8037.6
8293.6
8595.2
8887.2
9253.8
7899.3
4696.1
823.3
239.4
105.2
34.6
0.0

OF REPORT)