

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: P951512

Luminaire Tested: **GALN-SB5C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951512
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-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23712 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

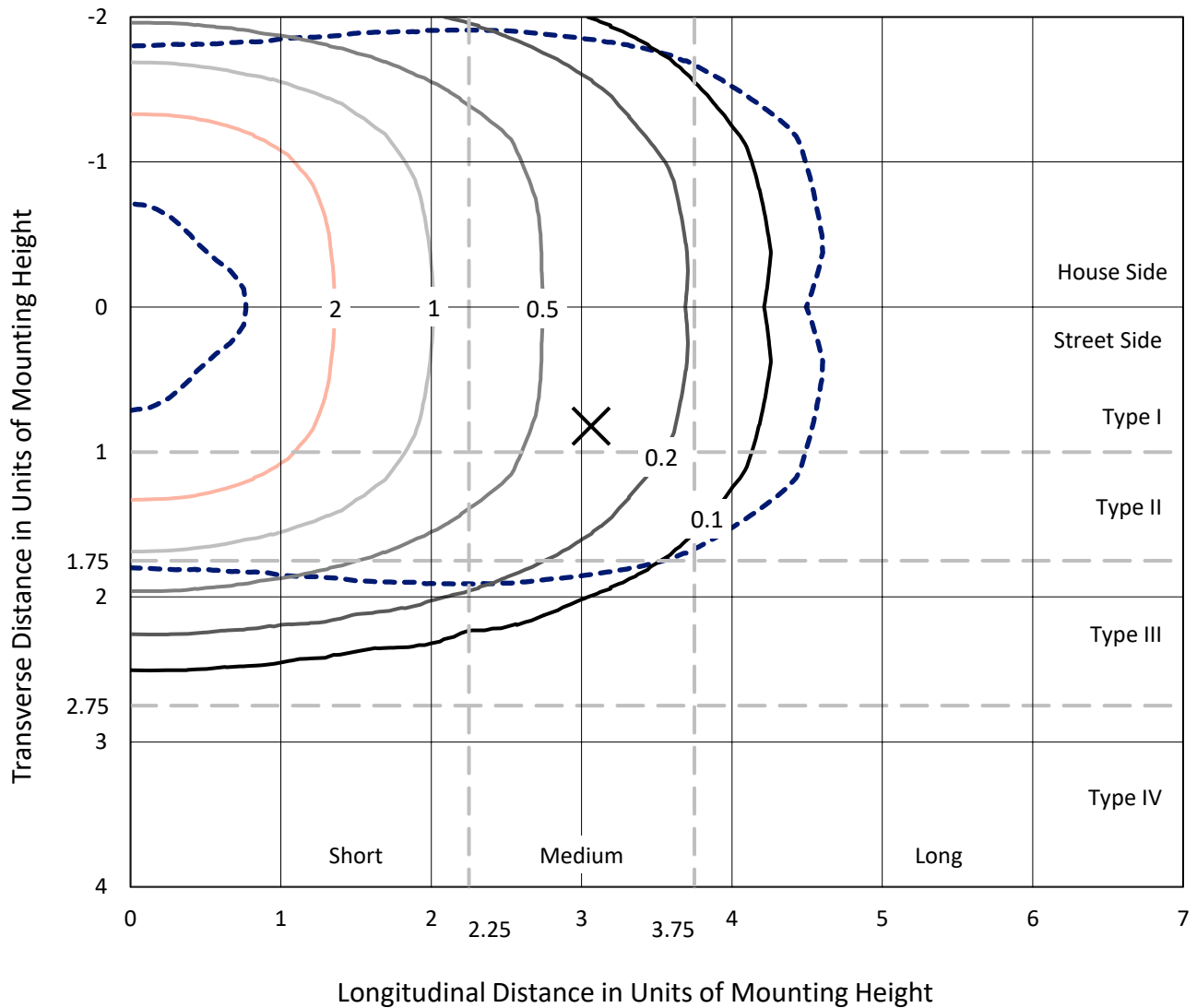
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

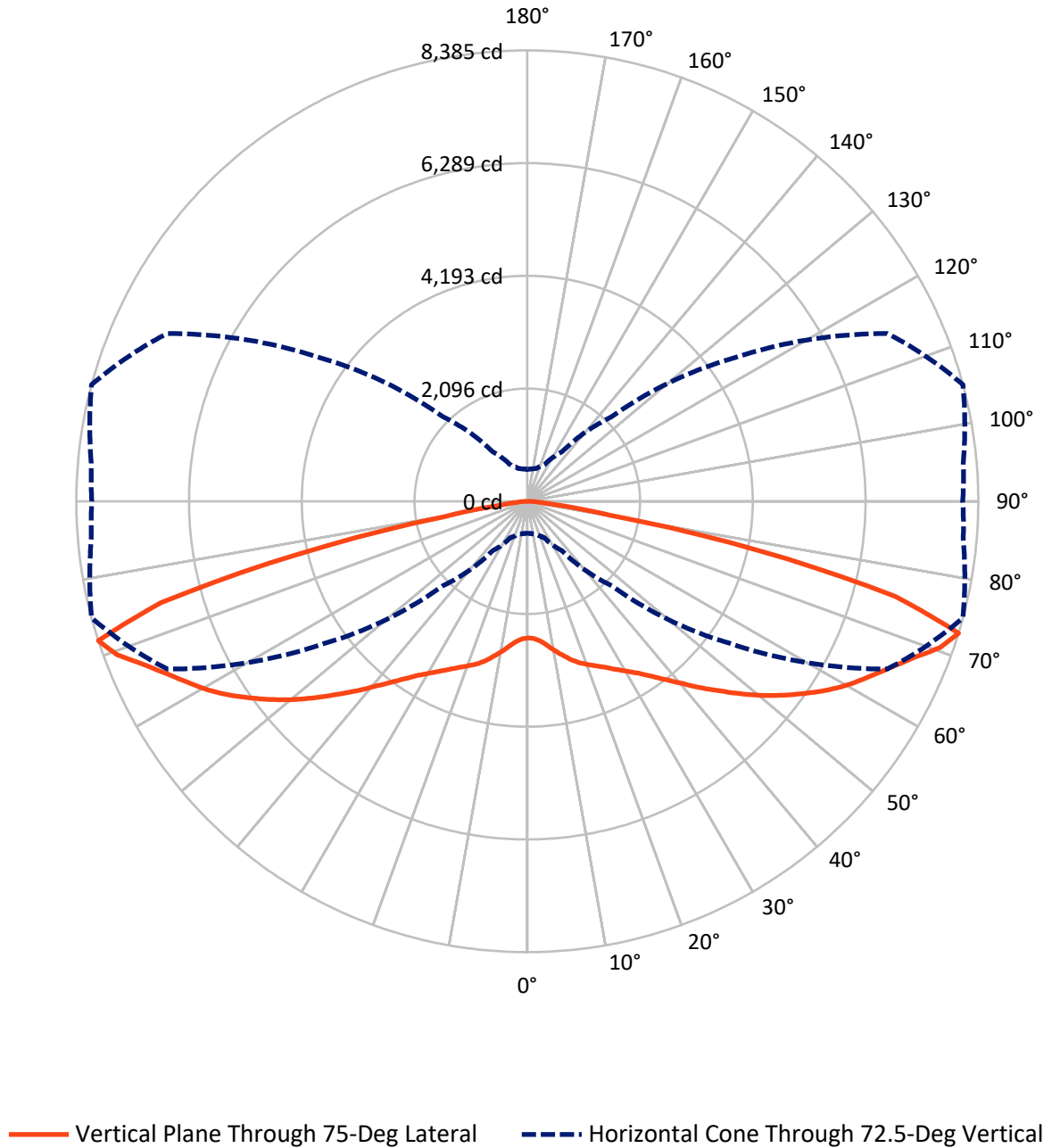
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	11856.0	0.0	11856.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11856.0	0.0	11856.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23712.0	0.0	23712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.8	1.0
10°-20°	820.6	3.5
20°-30°	1585.7	6.7
30°-40°	2677.6	11.3
40°-50°	4246.3	17.9
50°-60°	5685.3	24.0
60°-70°	5410.6	22.8
70°-80°	2823.3	11.9
80°-90°	213.7	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°	23712.0	100.0
0°-180°	23712.0	100.0

Coefficient of Utilization



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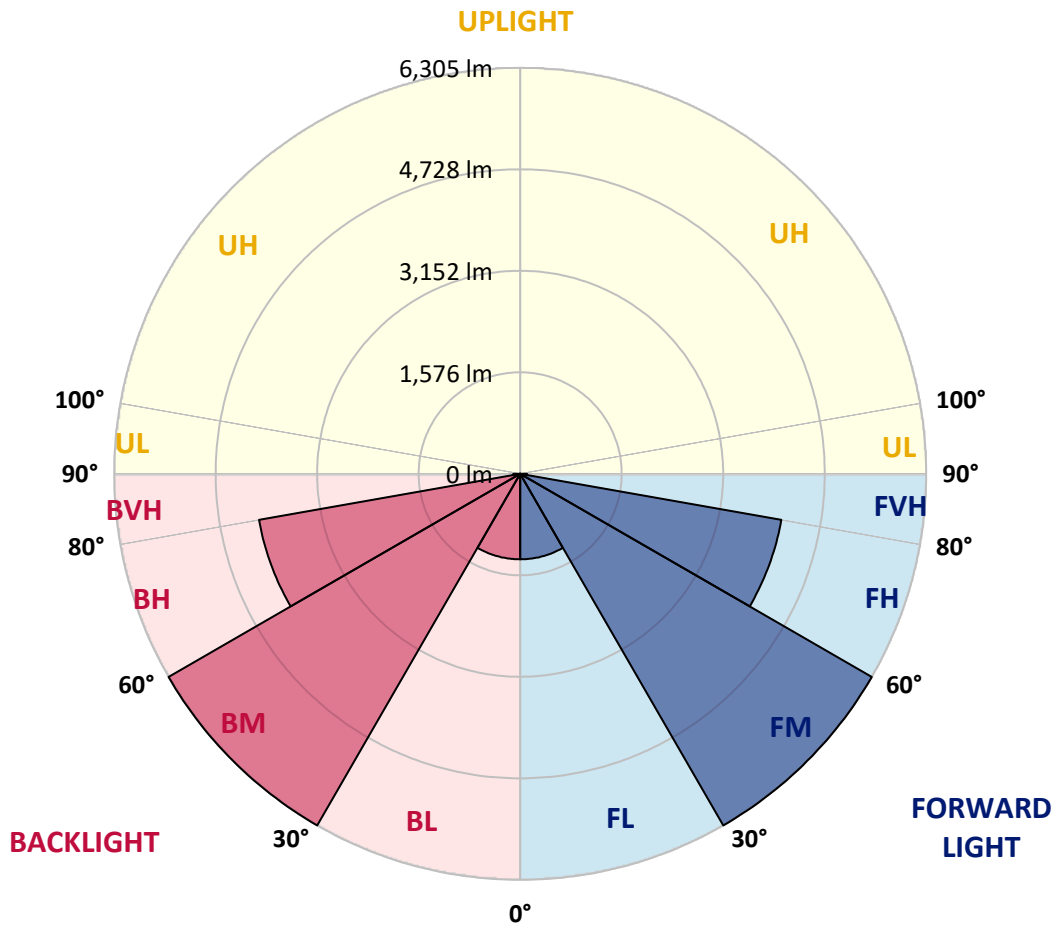
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1327.6	5.6			
FM (30°-60°)	6304.6	26.6			
FH (60°-80°)	4117.0	17.4			G2/5000
FVH (80°-90°)	106.9	0.5			G2/225
BL (0°-30°)	1327.6	5.6	B3/2500		
BM (30°-60°)	6304.6	26.6	B4/8500		
BH (60°-80°)	4117.0	17.4	B4/5000		G4/5000
BVH (80°-90°)	106.9	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°	2540.0	2540.0	2540.0	2540.0	2540.0	2540.0	2540.0	2540.0	2540.0	2540.0
2.5°	2540.0	2537.6	2540.0	2542.4	2541.2	2541.2	2547.2	2550.9	2558.1	2556.9
5°	2523.0	2521.8	2531.5	2542.4	2550.9	2565.4	2583.6	2596.9	2613.8	2617.5
7.5°	2514.6	2510.9	2527.9	2547.2	2573.9	2610.2	2645.3	2681.6	2710.7	2720.4
10°	2520.6	2521.8	2544.8	2581.1	2623.5	2674.4	2724.0	2785.7	2826.9	2836.6
12.5°	2548.5	2546.0	2584.8	2642.9	2701.0	2765.2	2823.3	2891.1	2935.9	2958.9
15°	2599.3	2594.5	2648.9	2734.9	2819.6	2894.7	2941.9	3006.1	3058.1	3087.2
17.5°	2659.8	2662.3	2733.7	2845.1	2956.4	3041.2	3086.0	3118.7	3158.6	3184.1
20°	2766.4	2771.2	2851.1	2983.1	3110.2	3207.1	3243.4	3231.3	3242.2	3261.5
22.5°	2909.2	2911.7	3001.2	3144.1	3277.3	3383.8	3408.0	3358.4	3328.1	3341.4
25°	3075.1	3090.8	3180.4	3326.9	3463.7	3565.4	3576.3	3501.2	3426.2	3429.8
27.5°	3277.3	3291.8	3382.6	3527.9	3667.1	3755.5	3754.3	3653.8	3543.6	3515.8
30°	3496.4	3512.1	3605.4	3755.5	3885.0	3962.5	3945.6	3825.7	3668.3	3616.3
32.5°	3756.7	3766.4	3860.8	4010.9	4130.8	4192.5	4157.4	4009.7	3813.6	3754.3
35°	4071.5	4086.0	4156.2	4297.9	4403.2	4454.0	4394.7	4220.4	4000.0	3933.5
37.5°	4431.0	4421.4	4501.3	4627.2	4714.3	4745.8	4664.7	4457.7	4213.1	4134.4
40°	4806.3	4801.5	4888.7	5009.7	5057.0	5076.3	4956.5	4730.1	4458.9	4374.1
42.5°	5146.5	5142.9	5260.3	5394.7	5451.6	5429.8	5278.5	5019.4	4743.4	4646.5
45°	5418.9	5414.1	5558.2	5747.0	5858.4	5822.1	5618.7	5339.0	5031.5	4931.0
47.5°	5628.4	5630.8	5785.8	6019.4	6214.4	6227.7	5966.2	5664.7	5348.7	5234.9
50°	5779.7	5787.0	5952.9	6211.9	6478.3	6595.7	6320.9	5998.9	5676.8	5548.5
52.5°	5817.3	5830.6	6030.3	6334.2	6647.8	6871.7	6681.7	6319.7	5988.0	5865.7
55°	5617.5	5644.1	5897.2	6324.5	6751.9	7053.3	6998.9	6645.4	6301.5	6175.6
57.5°	5158.7	5196.2	5491.6	6049.7	6728.9	7178.0	7244.6	6957.7	6615.1	6494.0
60°	4515.8	4560.6	4843.9	5452.8	6404.4	7224.1	7417.8	7261.6	6903.2	6785.8
62.5°	3546.0	3604.2	3943.1	4657.4	5719.2	7009.8	7565.5	7536.4	7162.3	7015.8
65°	2274.8	2336.6	2693.7	3537.6	4805.1	6353.6	7611.5	7804.0	7435.9	7231.3
67.5°	1371.7	1399.5	1576.3	2144.1	3512.1	5364.5	7221.6	8100.6	7755.5	7501.3
70°	877.7	893.5	998.8	1259.1	1985.5	3914.1	6255.5	8156.3	8142.9	7778.5
72.5°	595.6	600.5	628.3	745.8	1123.5	2224.0	4613.9	7383.9	8385.1	8135.7
75°	435.8	462.5	507.3	527.9	638.0	1111.4	2644.1	5187.7	7066.7	7175.6
77.5°	324.5	325.7	387.4	411.6	455.2	592.0	1118.7	2895.9	4387.5	4606.6
80°	274.8	260.3	259.1	331.7	342.6	369.3	500.0	1000.0	1571.4	952.8
82.5°	228.8	213.1	192.5	259.1	233.7	226.4	216.7	406.8	500.0	245.8
85°	159.8	152.5	145.3	169.5	133.2	113.8	104.1	190.1	210.7	104.1
87.5°	69.0	71.4	72.6	75.1	55.7	40.0	40.0	53.3	53.3	41.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2540.0
2555.7
2617.5
2722.8
2846.3
2968.6
3098.1
3196.2
3276.1
3351.1
3435.9
3524.3
3622.3
3768.8
3943.1
4149.0
4402.0
4670.8
4954.0
5268.8
5587.2
5897.2
6210.7
6521.9
6811.2
7032.8
7256.7
7520.7
7776.1
8096.9
6911.7
4109.0
720.3
209.4
92.0
30.3
0.0

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