

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: P948635

Luminaire Tested: **GALN-SB3C-850-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948635
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-SB3C-850-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22132 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

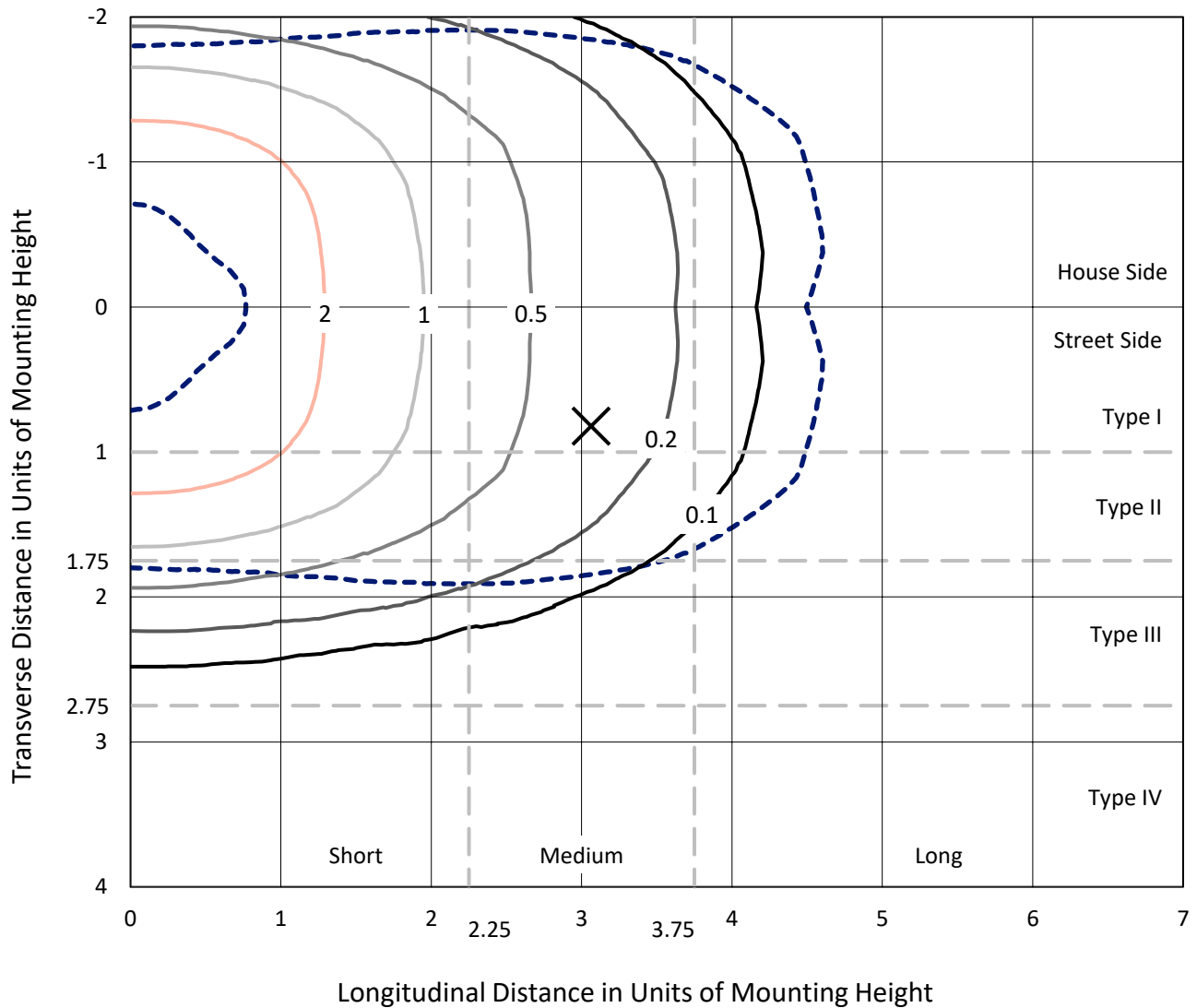
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

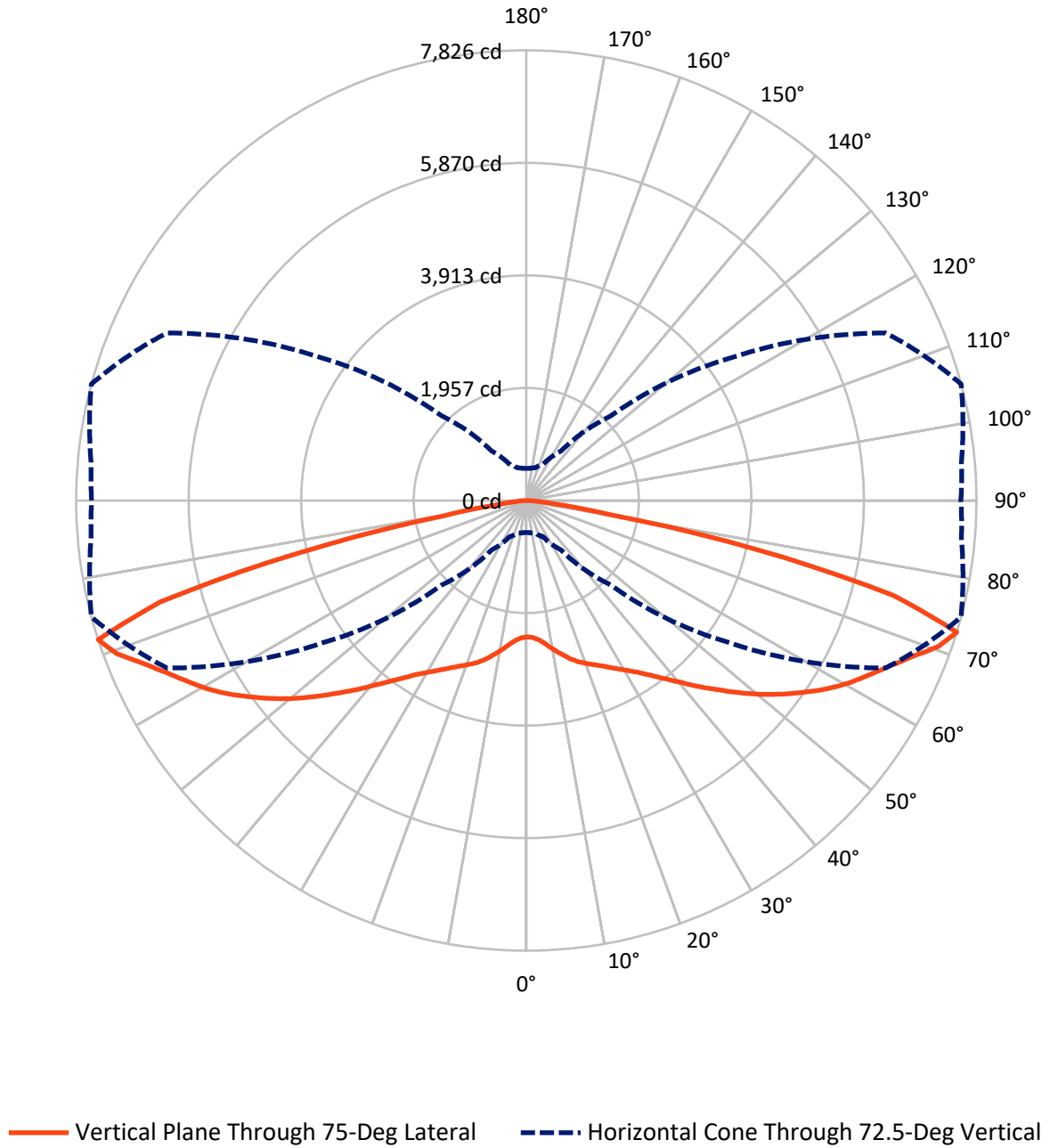
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	11066.0	0.0	11066.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11066.0	0.0	11066.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22132.0	0.0	22132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	1.0
10°-20°	766.0	3.5
20°-30°	1480.0	6.7
30°-40°	2499.1	11.3
40°-50°	3963.4	17.9
50°-60°	5306.5	24.0
60°-70°	5050.1	22.8
70°-80°	2635.2	11.9
80°-90°	199.5	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°	22132.0	100.0
0°-180°	22132.0	100.0

Coefficient of Utilization



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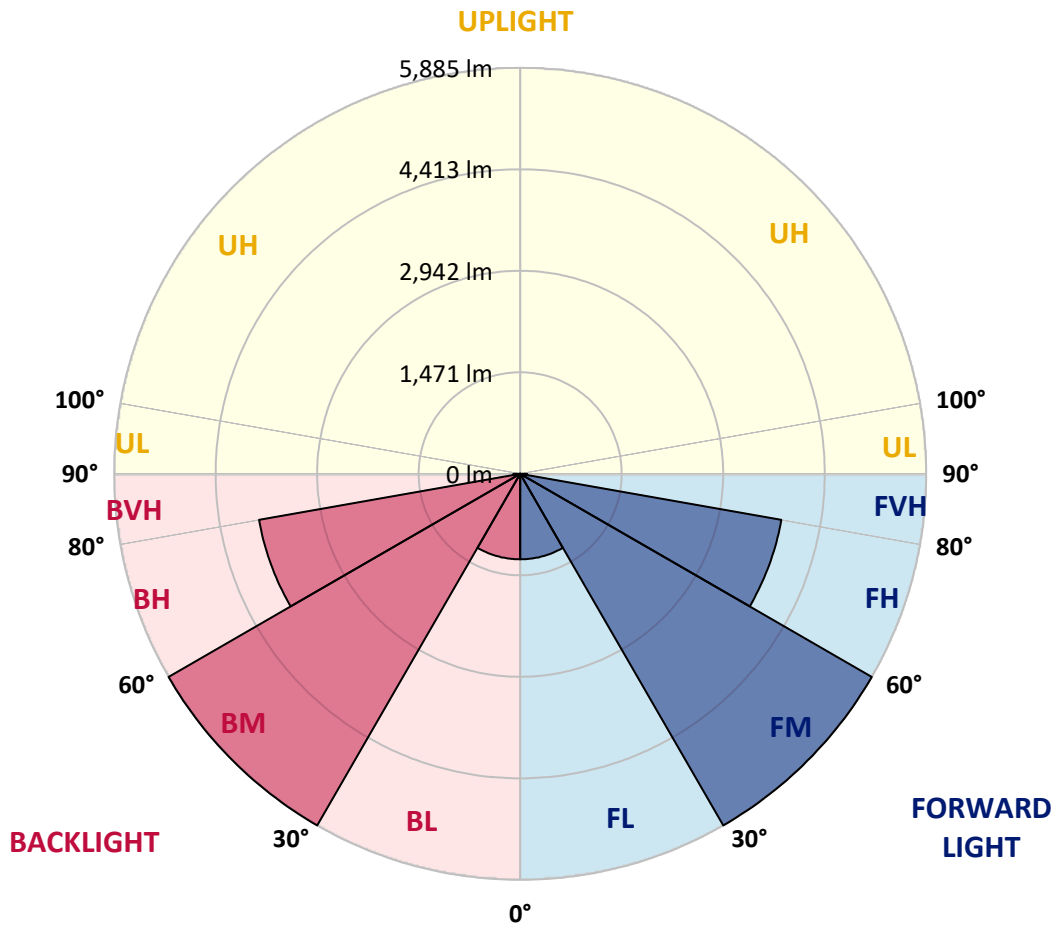
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1239.1	5.6			
FM (30°-60°)	5884.5	26.6			
FH (60°-80°)	3842.6	17.4			G2/5000
FVH (80°-90°)	99.7	0.5			G1/100
BL (0°-30°)	1239.1	5.6	B3/2500		
BM (30°-60°)	5884.5	26.6	B4/8500		
BH (60°-80°)	3842.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	99.7	0.5			G1/100
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°	2370.7	2370.7	2370.7	2370.7	2370.7	2370.7	2370.7	2370.7	2370.7	2370.7
2.5°	2370.7	2368.5	2370.7	2373.0	2371.9	2371.9	2377.5	2380.9	2387.7	2386.6
5°	2354.9	2353.8	2362.8	2373.0	2380.9	2394.5	2411.4	2423.8	2439.7	2443.1
7.5°	2347.0	2343.6	2359.4	2377.5	2402.4	2436.3	2469.0	2502.9	2530.1	2539.1
10°	2352.7	2353.8	2375.3	2409.2	2448.7	2496.2	2542.5	2600.1	2638.5	2647.6
12.5°	2378.6	2376.4	2412.5	2466.8	2521.0	2580.9	2635.2	2698.4	2740.2	2761.7
15°	2426.1	2421.6	2472.4	2552.7	2631.8	2701.8	2745.9	2805.8	2854.4	2881.5
17.5°	2482.6	2484.9	2551.5	2655.5	2759.5	2838.6	2880.4	2910.9	2948.2	2971.9
20°	2582.0	2586.6	2661.1	2784.3	2903.0	2993.4	3027.3	3016.0	3026.1	3044.2
22.5°	2715.4	2717.6	2801.3	2934.6	3058.9	3158.3	3180.9	3134.6	3106.4	3118.8
25°	2870.2	2884.9	2968.5	3105.2	3232.9	3327.8	3338.0	3268.0	3197.9	3201.3
27.5°	3058.9	3072.5	3157.2	3292.8	3422.8	3505.3	3504.1	3410.3	3307.5	3281.5
30°	3263.4	3278.1	3365.1	3505.3	3626.2	3698.5	3682.7	3570.8	3423.9	3375.3
32.5°	3506.4	3515.4	3603.6	3743.7	3855.5	3913.2	3880.4	3742.5	3559.5	3504.1
35°	3800.2	3813.7	3879.3	4011.5	4109.8	4157.3	4101.9	3939.2	3733.5	3671.4
37.5°	4135.8	4126.7	4201.3	4318.8	4400.2	4429.6	4353.9	4160.6	3932.4	3858.9
40°	4486.1	4481.6	4562.9	4675.9	4720.0	4738.1	4626.2	4414.9	4161.8	4082.7
42.5°	4803.6	4800.2	4909.8	5035.3	5088.4	5068.0	4926.8	4685.0	4427.3	4336.9
45°	5057.9	5053.3	5187.8	5364.1	5468.1	5434.2	5244.3	4983.3	4696.3	4602.5
47.5°	5253.4	5255.6	5400.3	5618.3	5800.3	5812.7	5568.6	5287.3	4992.3	4886.1
50°	5394.6	5401.4	5556.2	5798.0	6046.6	6156.2	5899.7	5599.1	5298.6	5178.8
52.5°	5429.6	5442.1	5628.5	5912.1	6204.8	6413.9	6236.5	5898.6	5589.0	5474.8
55°	5243.2	5268.0	5504.2	5903.1	6302.0	6583.4	6532.5	6202.6	5881.6	5764.1
57.5°	4814.9	4849.9	5125.7	5646.6	6280.5	6699.8	6761.9	6494.1	6174.3	6061.3
60°	4214.9	4256.7	4521.1	5089.5	5977.7	6742.7	6923.5	6777.7	6443.2	6333.6
62.5°	3309.8	3364.0	3680.4	4347.1	5338.1	6542.7	7061.4	7034.2	6685.1	6548.3
65°	2123.3	2180.9	2514.2	3301.9	4485.0	5930.2	7104.3	7284.0	6940.4	6749.5
67.5°	1280.3	1306.3	1471.3	2001.2	3278.1	5007.0	6740.4	7560.8	7238.8	7001.5
70°	819.2	833.9	932.2	1175.2	1853.2	3653.3	5838.7	7612.8	7600.4	7260.2
72.5°	556.0	560.5	586.5	696.1	1048.6	2075.8	4306.4	6891.9	7826.4	7593.6
75°	406.8	431.7	473.5	492.7	595.5	1037.3	2467.9	4842.0	6595.8	6697.5
77.5°	302.8	304.0	361.6	384.2	424.9	552.6	1044.1	2703.0	4095.1	4299.6
80°	256.5	242.9	241.8	309.6	319.8	344.6	466.7	933.4	1466.7	889.3
82.5°	213.6	198.9	179.7	241.8	218.1	211.3	202.3	379.7	466.7	229.4
85°	149.2	142.4	135.6	158.2	124.3	106.2	97.2	177.4	196.6	97.2
87.5°	64.4	66.7	67.8	70.1	52.0	37.3	37.3	49.7	49.7	38.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2370.7
2385.4
2443.1
2541.4
2656.6
2770.8
2891.7
2983.2
3057.8
3127.8
3206.9
3289.4
3381.0
3517.7
3680.4
3872.5
4108.7
4359.5
4623.9
4917.7
5214.9
5504.2
5796.9
6087.3
6357.4
6564.2
6773.2
7019.5
7258.0
7557.4
6451.2
3835.2
672.3
195.5
85.9
28.2
0.0

OF REPORT)