

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: P948548

Luminaire Tested: **GALN-SB3C-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20475 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

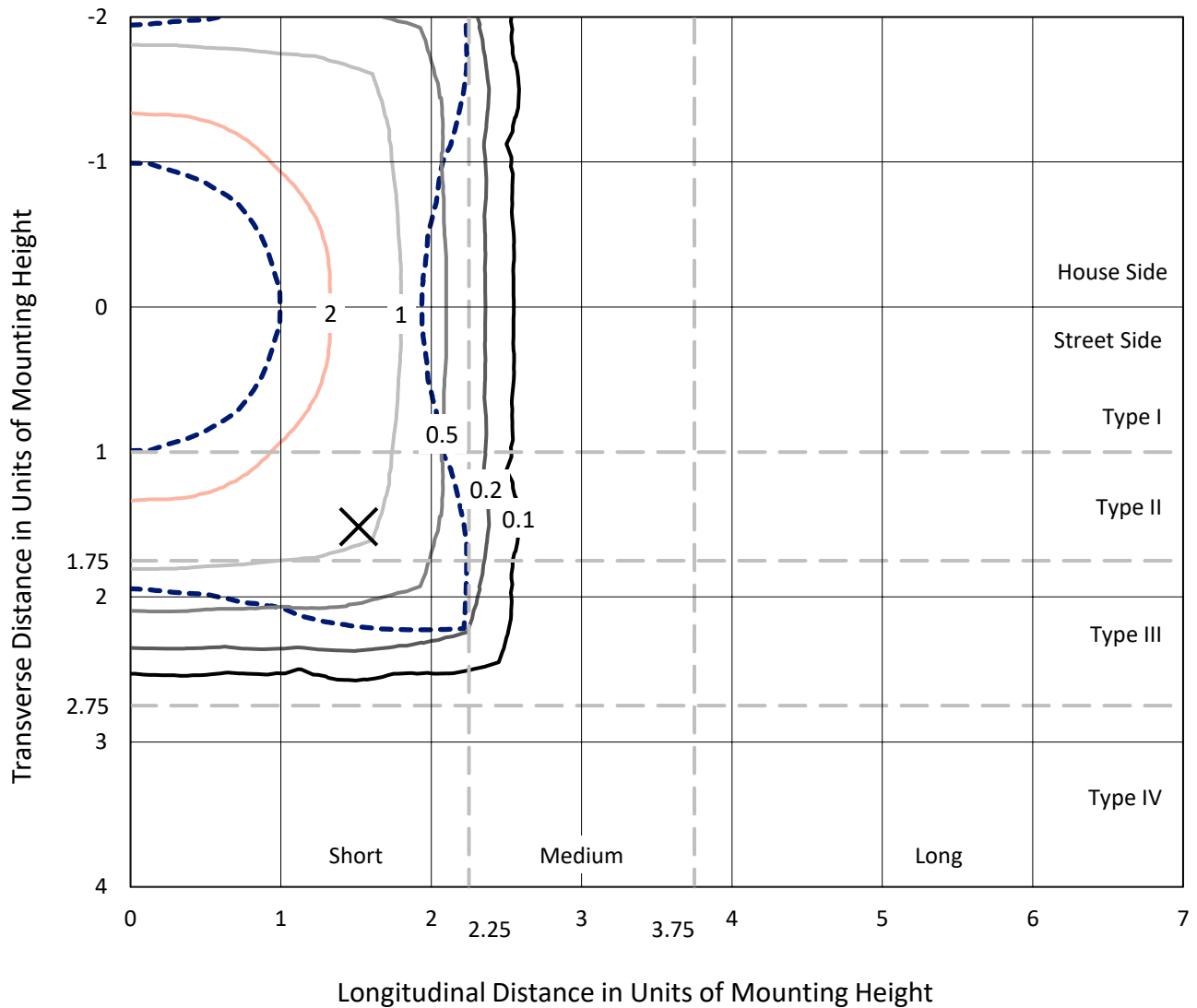
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

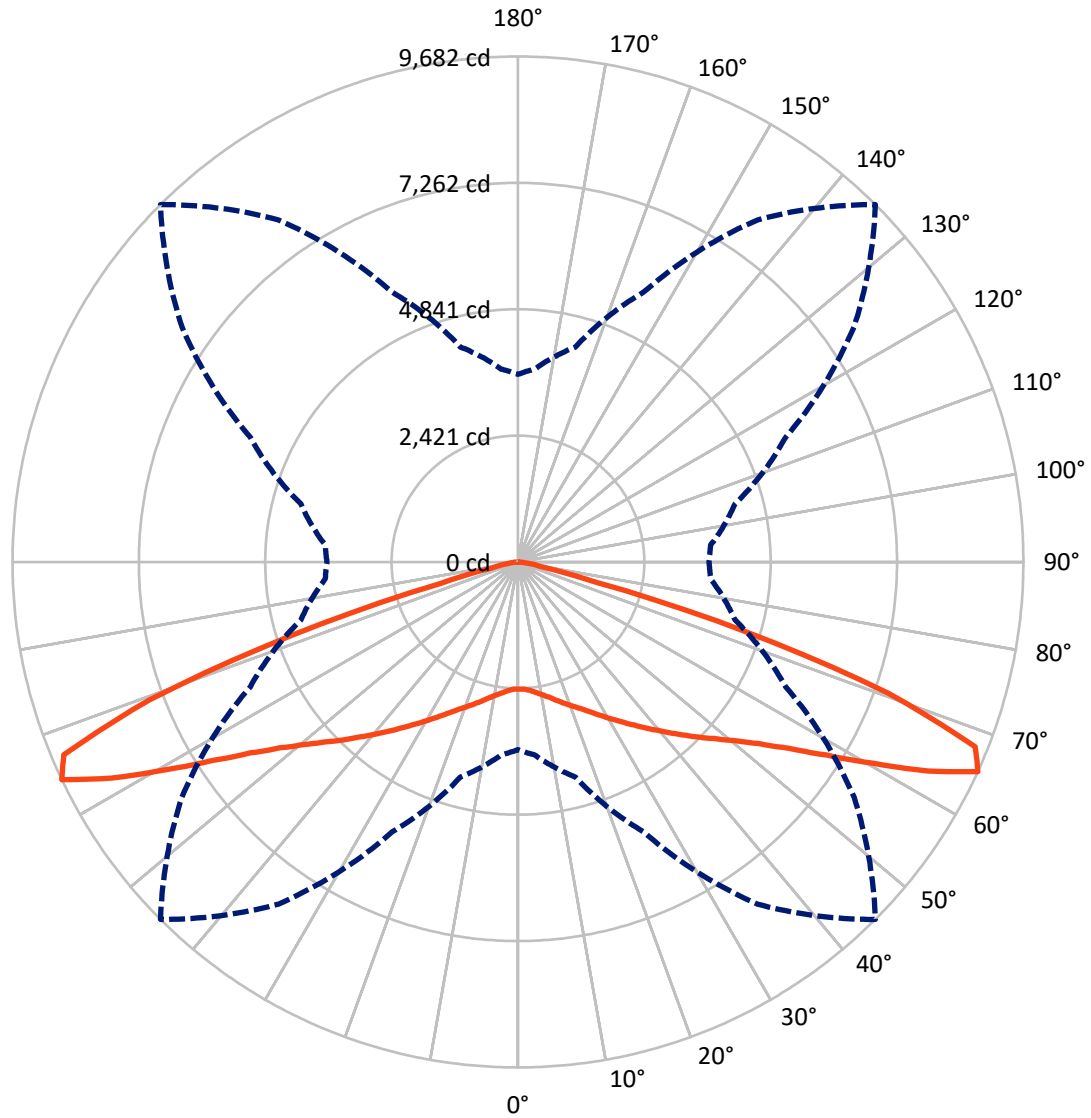
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10237.5	0.0	10237.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10237.5	0.0	10237.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20475.0	0.0	20475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.5	1.2
10°-20°	784.7	3.8
20°-30°	1481.6	7.2
30°-40°	2426.1	11.8
40°-50°	3761.7	18.4
50°-60°	5556.8	27.1
60°-70°	5289.6	25.8
70°-80°	853.5	4.2
80°-90°	80.5	0.4
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°	20475.0	100.0
0°-180°	20475.0	100.0

Coefficient of Utilization



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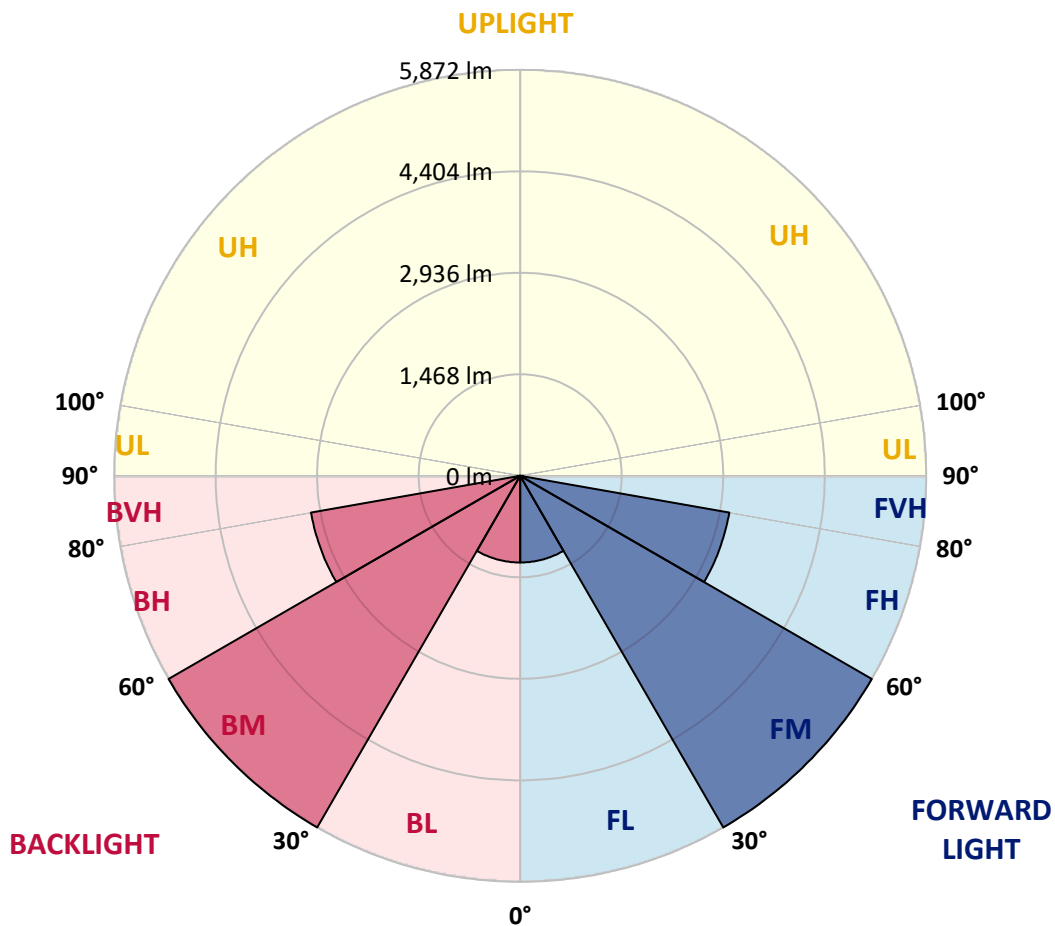
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.4	6.1			
FM (30°-60°)	5872.3	28.7			
FH (60°-80°)	3071.6	15.0			G2/5000
FVH (80°-90°)	40.2	0.2			G1/100
BL (0°-30°)	1253.4	6.1	B3/2500		
BM (30°-60°)	5872.3	28.7	B4/8500		
BH (60°-80°)	3071.6	15.0	B4/5000		G2/5000
BVH (80°-90°)	40.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2436.7	2436.7	2436.7	2436.7	2436.7	2436.7	2436.7	2436.7	2436.7	2436.7
2.5°	2453.2	2444.9	2451.1	2446.0	2441.9	2437.8	2439.8	2447.0	2450.1	2451.1
5°	2486.0	2478.8	2481.9	2481.9	2474.7	2472.7	2473.7	2478.8	2485.0	2485.0
7.5°	2539.5	2532.3	2539.5	2535.3	2529.2	2527.1	2526.1	2530.2	2539.5	2539.5
10°	2604.2	2596.0	2600.1	2598.0	2590.8	2587.7	2586.7	2592.9	2601.1	2600.1
12.5°	2675.1	2665.8	2671.0	2664.8	2662.7	2659.7	2659.7	2658.6	2663.8	2659.7
15°	2754.2	2748.0	2750.1	2745.9	2749.0	2747.0	2738.8	2734.6	2736.7	2730.5
17.5°	2847.6	2833.3	2840.5	2838.4	2838.4	2842.5	2829.2	2824.0	2828.1	2822.0
20°	2955.5	2941.1	2944.2	2940.1	2935.0	2939.1	2922.6	2926.7	2929.8	2925.7
22.5°	3073.6	3055.2	3054.1	3056.2	3044.9	3045.9	3034.6	3044.9	3051.0	3039.7
25°	3194.9	3175.4	3188.7	3183.6	3169.2	3172.3	3164.1	3174.3	3179.5	3165.1
27.5°	3323.3	3309.9	3322.3	3325.3	3307.9	3320.2	3307.9	3317.1	3322.3	3300.7
30°	3473.3	3459.9	3471.2	3479.4	3458.9	3478.4	3468.1	3474.3	3475.3	3449.6
32.5°	3636.6	3616.1	3644.8	3648.9	3626.3	3650.0	3636.6	3644.8	3650.0	3615.0
35°	3835.9	3810.2	3843.1	3838.0	3818.4	3838.0	3825.6	3838.0	3850.3	3808.2
37.5°	4050.6	4023.9	4058.8	4049.6	4031.1	4044.4	4037.2	4045.5	4065.0	4019.8
40°	4286.9	4254.0	4301.3	4284.8	4267.4	4265.3	4269.4	4274.6	4300.2	4249.9
42.5°	4539.6	4504.7	4575.5	4549.9	4525.2	4508.8	4522.1	4532.4	4557.1	4500.6
45°	4828.3	4788.2	4880.7	4849.8	4810.8	4776.9	4798.5	4813.9	4849.8	4782.0
47.5°	5146.7	5101.5	5200.1	5190.9	5127.2	5053.2	5102.5	5146.7	5173.4	5091.2
50°	5458.0	5423.1	5552.5	5563.8	5485.7	5382.0	5450.8	5517.6	5524.8	5416.9
52.5°	5749.7	5714.8	5902.8	5973.7	5903.8	5780.6	5853.5	5921.3	5866.8	5727.1
55°	5982.9	5954.2	6193.5	6376.4	6400.0	6298.3	6341.5	6339.4	6160.7	5945.9
57.5°	6039.4	6035.3	6337.3	6724.6	6971.2	6983.5	6898.2	6680.5	6295.2	6006.6
60°	5782.6	5808.3	6223.3	6906.5	7563.9	7837.2	7468.4	6846.9	6142.2	5741.5
62.5°	5014.2	5082.0	5582.3	6684.6	8042.6	8819.3	7925.5	6594.2	5513.5	4990.6
65°	3593.5	3711.6	4264.3	5704.5	7999.5	9682.2	7859.8	5658.3	4305.4	3702.3
67.5°	1630.3	1750.5	2220.0	3905.8	6953.7	9448.0	6937.3	3946.8	2330.9	1756.7
70°	590.7	611.2	762.2	1563.5	4444.1	7528.0	4634.1	1574.8	810.5	651.3
72.5°	357.5	360.6	392.4	559.9	1544.0	4570.4	1609.8	578.4	400.6	355.4
75°	227.0	225.0	279.4	342.1	547.5	1542.0	574.3	342.1	278.4	253.7
77.5°	163.3	168.5	200.3	255.8	345.2	522.9	339.0	244.5	200.3	164.4
80°	122.2	125.3	145.9	199.3	242.4	325.7	215.7	180.8	151.0	102.7
82.5°	88.3	88.3	95.5	144.8	147.9	175.7	117.1	127.4	99.6	72.9
85°	52.4	51.4	59.6	86.3	77.0	64.7	53.4	78.1	62.7	45.2
87.5°	18.5	19.5	18.5	24.7	20.5	17.5	16.4	21.6	17.5	15.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2436.7
2451.1
2485.0
2536.4
2598.0
2661.7
2731.6
2827.1
2935.0
3051.0
3181.5
3317.1
3465.0
3638.7
3833.8
4047.5
4266.3
4530.3
4817.0
5119.0
5430.3
5731.2
5953.1
5988.1
5694.3
4959.8
3658.2
1731.0
643.1
361.6
255.8
167.4
105.8
72.9
44.2
14.4
0.0

OF REPORT)