

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: P951152

Luminaire Tested: **GALN-SB5B-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951152
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-SB5B-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18143 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

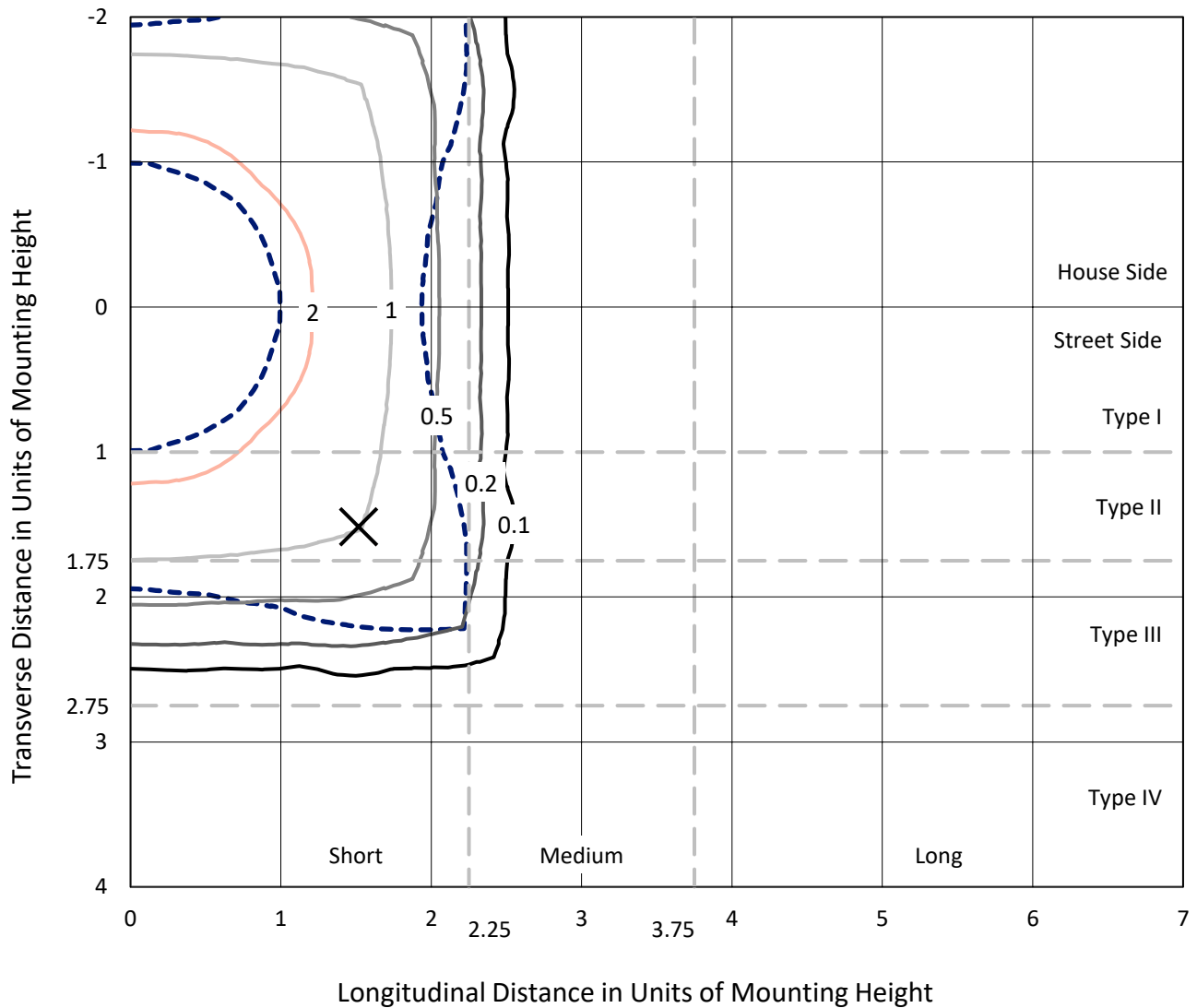
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

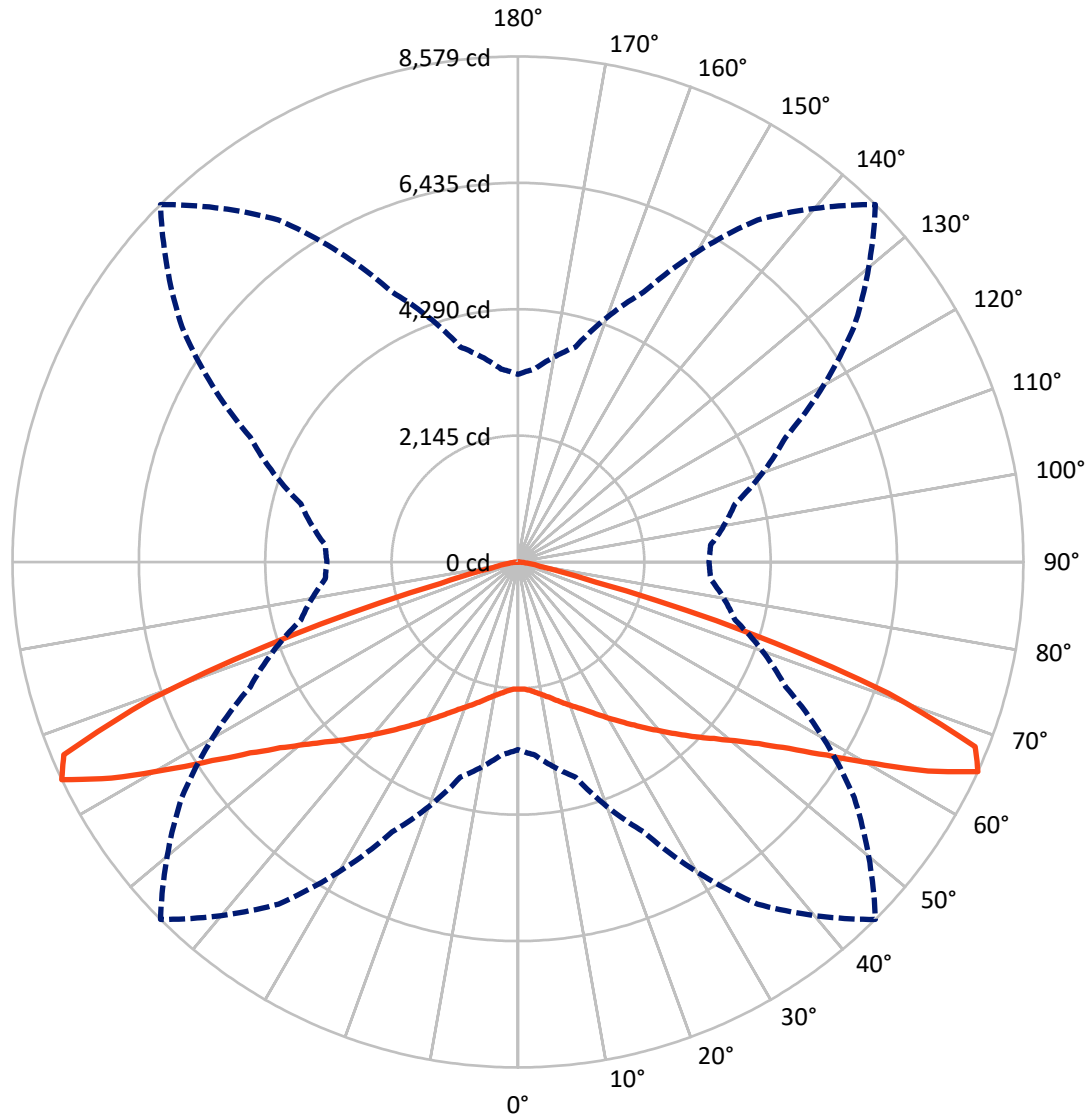
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	9071.5	0.0	9071.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9071.5	0.0	9071.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18143.0	0.0	18143.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.1	1.2
10°-20°	695.3	3.8
20°-30°	1312.9	7.2
30°-40°	2149.8	11.8
40°-50°	3333.3	18.4
50°-60°	4923.9	27.1
60°-70°	4687.1	25.8
70°-80°	756.3	4.2
80°-90°	71.3	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°	18143.0	100.0
0°-180°	18143.0	100.0



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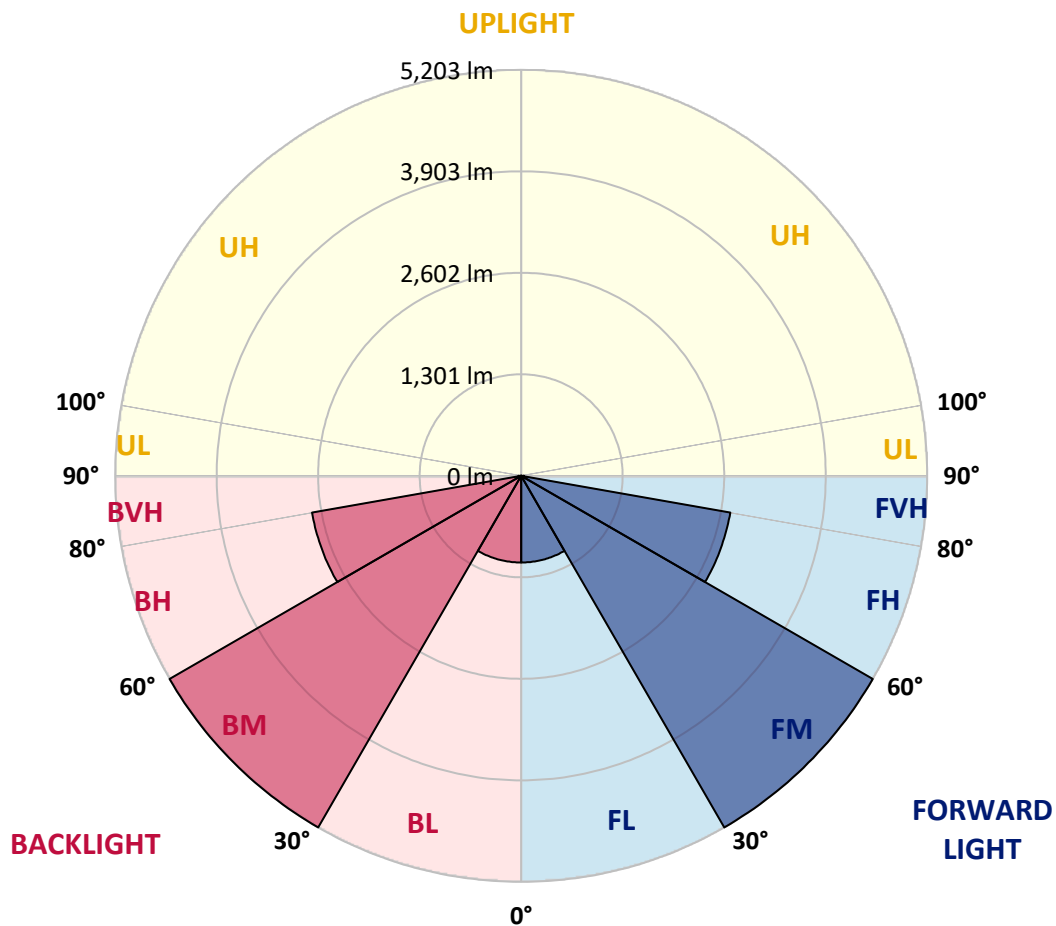
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.6	6.1			
FM (30°-60°)	5203.5	28.7			
FH (60°-80°)	2721.7	15.0			G2/5000
FVH (80°-90°)	35.7	0.2			G1/100
BL (0°-30°)	1110.6	6.1	B3/2500		
BM (30°-60°)	5203.5	28.7	B4/8500		
BH (60°-80°)	2721.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	35.7	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°	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2
2.5°	2173.8	2166.5	2171.9	2167.4	2163.7	2160.1	2161.9	2168.3	2171.0	2171.9
5°	2202.9	2196.5	2199.3	2199.3	2192.9	2191.1	2192.0	2196.5	2202.0	2202.0
7.5°	2250.2	2243.9	2250.2	2246.6	2241.1	2239.3	2238.4	2242.0	2250.2	2250.2
10°	2307.6	2300.3	2303.9	2302.1	2295.7	2293.0	2292.1	2297.6	2304.8	2303.9
12.5°	2370.4	2362.2	2366.7	2361.3	2359.5	2356.7	2356.7	2355.8	2360.4	2356.7
15°	2440.5	2435.0	2436.8	2433.2	2435.9	2434.1	2426.8	2423.2	2425.0	2419.5
17.5°	2523.3	2510.6	2516.9	2515.1	2515.1	2518.8	2506.9	2502.4	2506.0	2500.6
20°	2618.9	2606.1	2608.9	2605.2	2600.7	2604.3	2589.8	2593.4	2596.1	2592.5
22.5°	2723.6	2707.2	2706.3	2708.1	2698.1	2699.0	2689.0	2698.1	2703.5	2693.5
25°	2831.0	2813.7	2825.5	2821.0	2808.2	2811.0	2803.7	2812.8	2817.3	2804.6
27.5°	2944.8	2932.9	2943.9	2946.6	2931.1	2942.0	2931.1	2939.3	2943.9	2924.7
30°	3077.7	3065.8	3075.9	3083.1	3064.9	3082.2	3073.1	3078.6	3079.5	3056.7
32.5°	3222.4	3204.2	3229.7	3233.3	3213.3	3234.2	3222.4	3229.7	3234.2	3203.3
35°	3399.0	3376.3	3405.4	3400.8	3383.5	3400.8	3389.9	3400.8	3411.8	3374.4
37.5°	3589.3	3565.6	3596.5	3588.3	3572.0	3583.8	3577.4	3584.7	3602.0	3561.9
40°	3798.6	3769.5	3811.4	3796.8	3781.3	3779.5	3783.1	3787.7	3810.5	3765.9
42.5°	4022.6	3991.6	4054.4	4031.7	4009.8	3995.2	4007.1	4016.2	4038.0	3988.0
45°	4278.3	4242.8	4324.8	4297.5	4262.9	4232.8	4251.9	4265.6	4297.5	4237.4
47.5°	4560.5	4520.5	4607.9	4599.7	4543.2	4477.7	4521.4	4560.5	4584.2	4511.4
50°	4836.3	4805.4	4920.1	4930.1	4860.9	4769.0	4830.0	4889.1	4895.5	4799.9
52.5°	5094.9	5063.9	5230.5	5293.3	5231.4	5122.2	5186.8	5246.9	5198.6	5074.8
55°	5301.5	5276.0	5488.1	5650.1	5671.1	5581.0	5619.2	5617.4	5459.0	5268.7
57.5°	5351.6	5347.9	5615.6	5958.7	6177.2	6188.1	6112.6	5919.6	5578.2	5322.4
60°	5124.0	5146.8	5514.5	6119.9	6702.4	6944.6	6617.8	6067.1	5442.6	5087.6
62.5°	4443.1	4503.2	4946.5	5923.2	7126.6	7814.8	7022.9	5843.1	4885.5	4422.2
65°	3184.2	3288.9	3778.6	5054.8	7088.4	8579.4	6964.6	5013.9	3815.0	3280.7
67.5°	1444.6	1551.1	1967.1	3460.9	6161.7	8371.9	6147.2	3497.3	2065.4	1556.6
70°	523.4	541.6	675.4	1385.5	3937.9	6670.6	4106.3	1395.5	718.2	577.1
72.5°	316.8	319.5	347.7	496.1	1368.2	4049.9	1426.4	512.5	355.0	315.0
75°	201.2	199.4	247.6	303.1	485.2	1366.3	508.8	303.1	246.7	224.8
77.5°	144.7	149.3	177.5	226.7	305.9	463.3	300.4	216.6	177.5	145.6
80°	108.3	111.1	129.3	176.6	214.8	288.6	191.2	160.2	133.8	91.0
82.5°	78.3	78.3	84.7	128.4	131.1	155.7	103.8	112.9	88.3	64.6
85°	46.4	45.5	52.8	76.5	68.3	57.3	47.3	69.2	55.5	40.1
87.5°	16.4	17.3	16.4	21.8	18.2	15.5	14.6	19.1	15.5	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2159.2
2171.9
2202.0
2247.5
2302.1
2358.6
2420.5
2505.1
2600.7
2703.5
2819.2
2939.3
3070.4
3224.2
3397.2
3586.5
3780.4
4014.4
4268.3
4536.0
4811.8
5078.5
5275.1
5306.1
5045.7
4394.9
3241.5
1533.8
569.8
320.4
226.7
148.4
93.8
64.6
39.1
12.7
0.0

OF REPORT)