

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: P951173

Luminaire Tested: **GALN-SB5B-930-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951173
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-930-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20735 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

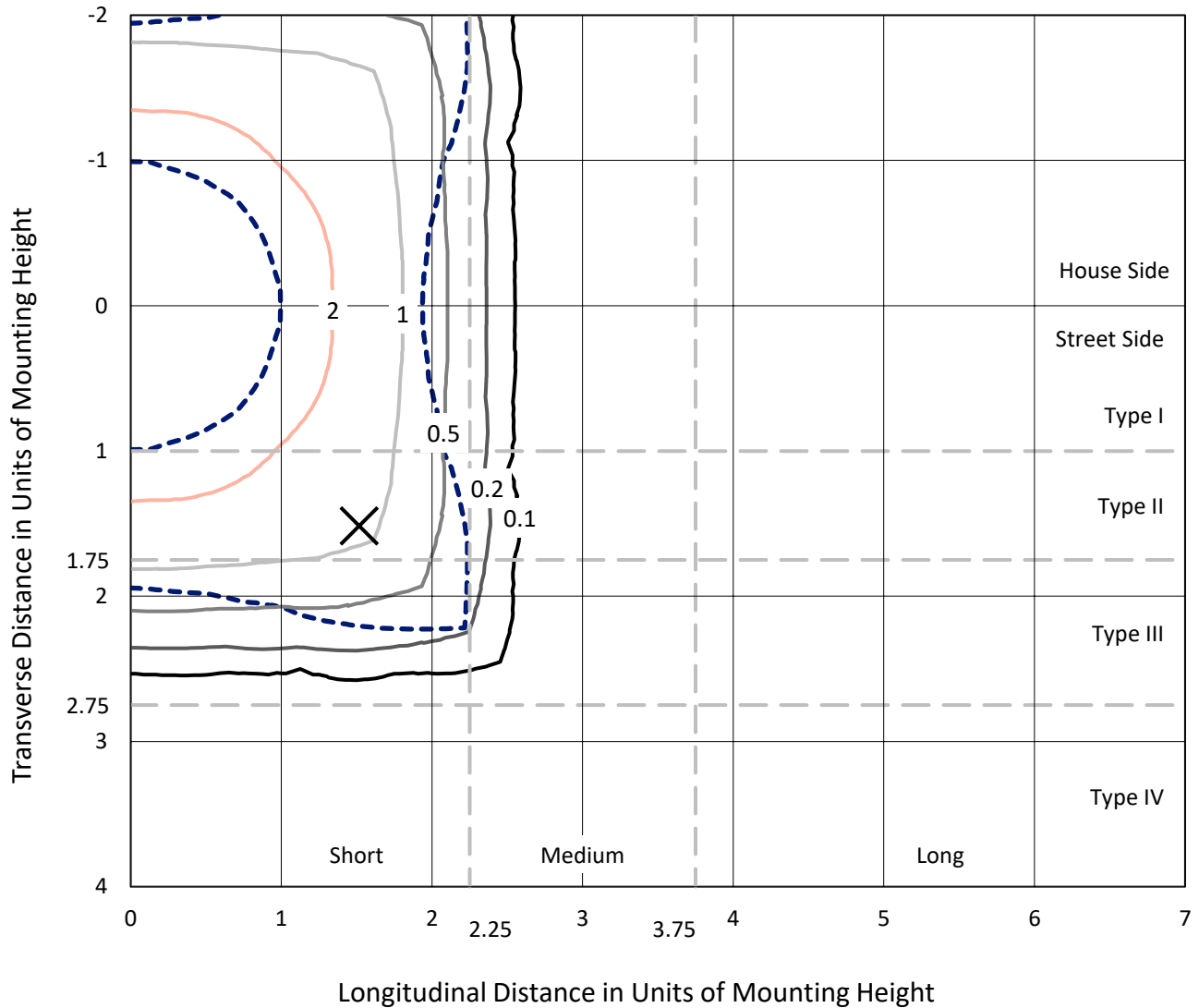
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

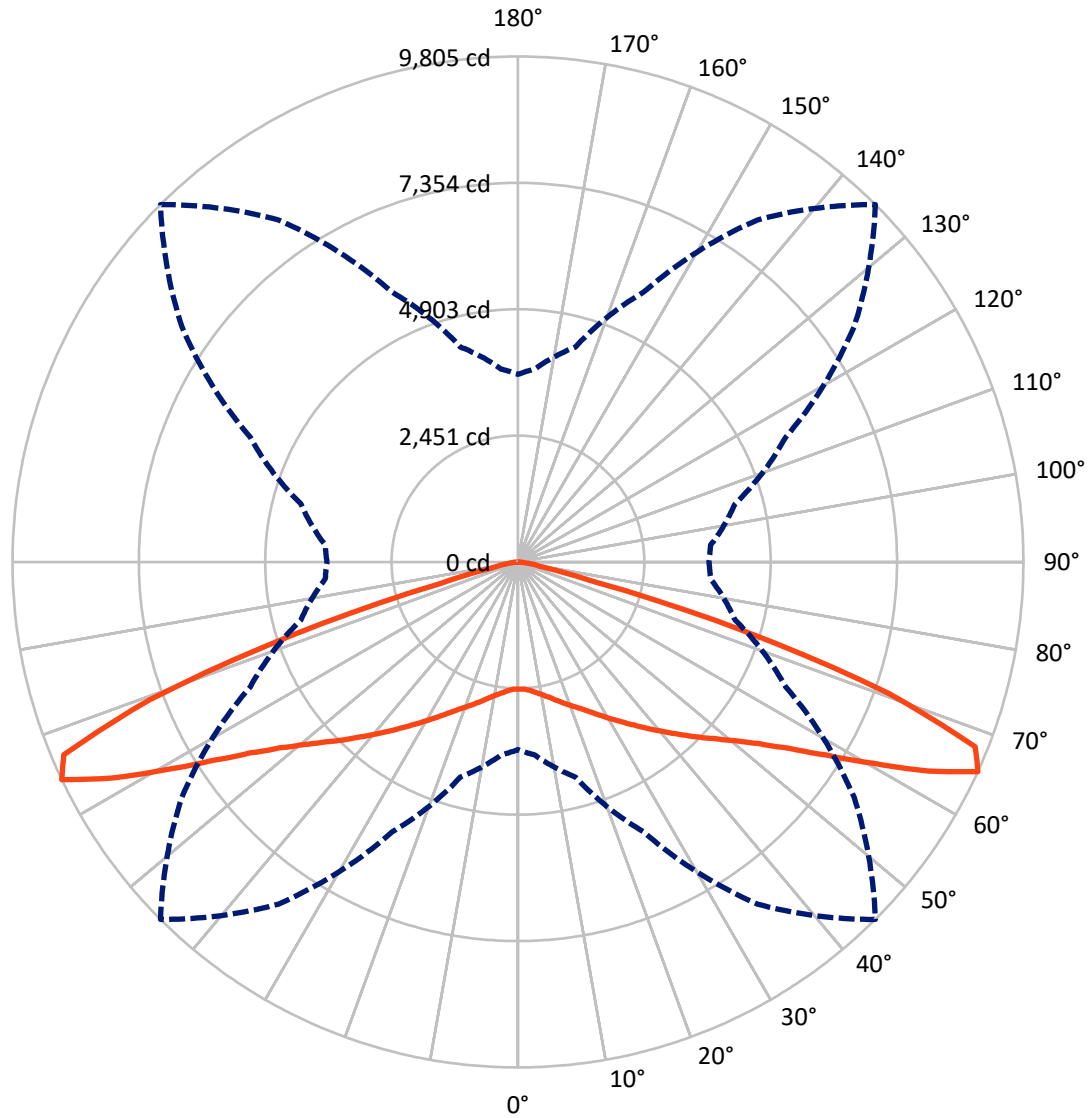
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	10367.5	0.0	10367.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10367.5	0.0	10367.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20735.0	0.0	20735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	1.2
10°-20°	794.7	3.8
20°-30°	1500.4	7.2
30°-40°	2456.9	11.8
40°-50°	3809.5	18.4
50°-60°	5627.4	27.1
60°-70°	5356.7	25.8
70°-80°	864.4	4.2
80°-90°	81.5	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°	20735.0	100.0
0°-180°	20735.0	100.0

Coefficient of Utilization



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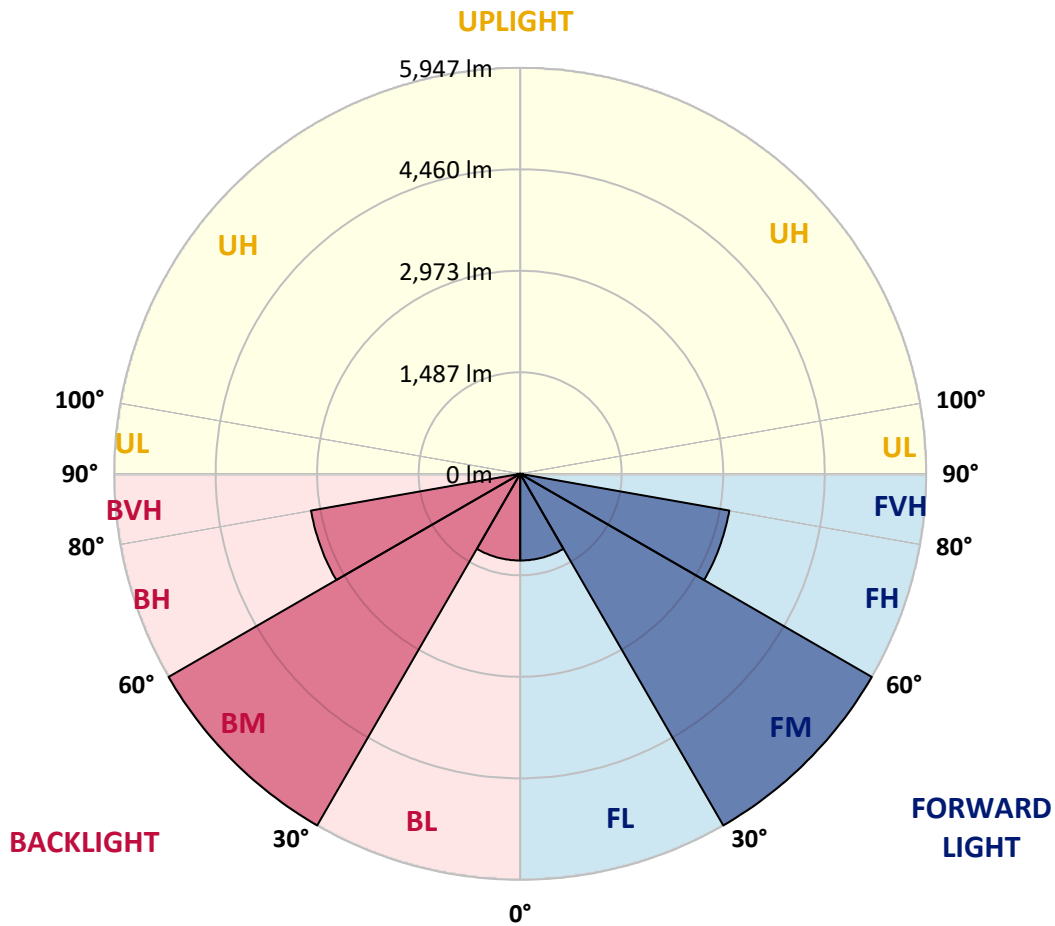
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.3	6.1			
FM (30°-60°)	5946.9	28.7			
FH (60°-80°)	3110.6	15.0			G2/5000
FVH (80°-90°)	40.7	0.2			G1/100
BL (0°-30°)	1269.3	6.1	B3/2500		
BM (30°-60°)	5946.9	28.7	B4/8500		
BH (60°-80°)	3110.6	15.0	B4/5000		G2/5000
BVH (80°-90°)	40.7	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°	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7
2.5°	2484.3	2476.0	2482.2	2477.0	2472.9	2468.7	2470.8	2478.1	2481.2	2482.2
5°	2517.6	2510.3	2513.4	2513.4	2506.2	2504.1	2505.1	2510.3	2516.6	2516.6
7.5°	2571.7	2564.4	2571.7	2567.5	2561.3	2559.2	2558.2	2562.3	2571.7	2571.7
10°	2637.2	2628.9	2633.1	2631.0	2623.7	2620.6	2619.6	2625.8	2634.1	2633.1
12.5°	2709.0	2699.7	2704.9	2698.6	2696.5	2693.4	2693.4	2692.4	2697.6	2693.4
15°	2789.1	2782.9	2785.0	2780.8	2783.9	2781.9	2773.5	2769.4	2771.4	2765.2
17.5°	2883.8	2869.2	2876.5	2874.4	2874.4	2878.6	2865.1	2859.9	2864.0	2857.8
20°	2993.0	2978.5	2981.6	2977.4	2972.2	2976.4	2959.8	2963.9	2967.0	2962.9
22.5°	3112.7	3094.0	3092.9	3095.0	3083.6	3084.6	3073.1	3083.6	3089.8	3078.3
25°	3235.4	3215.7	3229.2	3224.0	3209.4	3212.6	3204.2	3214.6	3219.8	3205.3
27.5°	3365.5	3352.0	3364.4	3367.6	3349.9	3362.4	3349.9	3359.2	3364.4	3342.6
30°	3517.4	3503.8	3515.3	3523.6	3502.8	3522.6	3512.2	3518.4	3519.5	3493.4
32.5°	3682.8	3662.0	3691.1	3695.3	3672.4	3696.3	3682.8	3691.1	3696.3	3660.9
35°	3884.6	3858.6	3891.9	3886.7	3866.9	3886.7	3874.2	3886.7	3899.2	3856.5
37.5°	4102.0	4075.0	4110.4	4101.0	4082.3	4095.8	4088.5	4096.8	4116.6	4070.8
40°	4341.3	4308.0	4355.9	4339.2	4321.5	4319.5	4323.6	4328.8	4354.8	4303.9
42.5°	4597.2	4561.9	4633.6	4607.6	4582.7	4566.0	4579.6	4590.0	4614.9	4557.7
45°	4889.6	4849.0	4942.6	4911.4	4871.9	4837.6	4859.4	4875.0	4911.4	4842.8
47.5°	5212.1	5166.3	5266.2	5256.8	5192.3	5117.4	5167.3	5212.1	5239.1	5155.9
50°	5527.3	5491.9	5623.0	5634.4	5555.4	5450.3	5520.0	5587.6	5594.9	5485.7
52.5°	5822.7	5787.4	5977.8	6049.5	5978.8	5854.0	5927.8	5996.5	5941.3	5799.9
55°	6058.9	6029.8	6272.2	6457.4	6481.3	6378.3	6422.0	6419.9	6238.9	6021.5
57.5°	6116.1	6112.0	6417.8	6810.0	7059.7	7072.2	6985.8	6765.3	6375.2	6082.8
60°	5856.0	5882.0	6302.3	6994.2	7660.0	7936.7	7563.2	6933.8	6220.2	5814.4
62.5°	5077.9	5146.5	5653.2	6769.5	8144.8	8931.3	8026.2	6677.9	5583.5	5053.9
65°	3639.1	3758.7	4318.4	5777.0	8101.1	9805.1	7959.6	5730.2	4360.0	3749.4
67.5°	1651.0	1772.7	2248.2	3955.4	7042.0	9568.0	7025.4	3997.0	2360.5	1779.0
70°	598.2	619.0	771.9	1583.4	4500.5	7623.6	4692.9	1594.8	820.8	659.6
72.5°	362.0	365.2	397.4	567.0	1563.6	4628.4	1630.2	585.7	405.7	360.0
75°	229.9	227.8	283.0	346.4	554.5	1561.5	581.5	346.4	281.9	257.0
77.5°	165.4	170.6	202.9	259.0	349.6	529.5	343.3	247.6	202.9	166.5
80°	123.8	126.9	147.7	201.8	245.5	329.8	218.5	183.1	152.9	104.0
82.5°	89.5	89.5	96.8	146.7	149.8	177.9	118.6	129.0	100.9	73.9
85°	53.1	52.0	60.3	87.4	78.0	65.5	54.1	79.1	63.5	45.8
87.5°	18.7	19.8	18.7	25.0	20.8	17.7	16.6	21.8	17.7	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2467.7
2482.2
2516.6
2568.6
2631.0
2695.5
2766.2
2863.0
2972.2
3089.8
3221.9
3359.2
3509.0
3684.9
3882.5
4098.9
4320.5
4587.9
4878.1
5184.0
5499.2
5804.0
6028.7
6064.1
5766.6
5022.7
3704.6
1753.0
651.2
366.2
259.0
169.6
107.2
73.9
44.7
14.6
0.0

OF REPORT)