

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: P955079

Luminaire Tested: **GALN-SB8A-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955079
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-SB8A-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23136 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

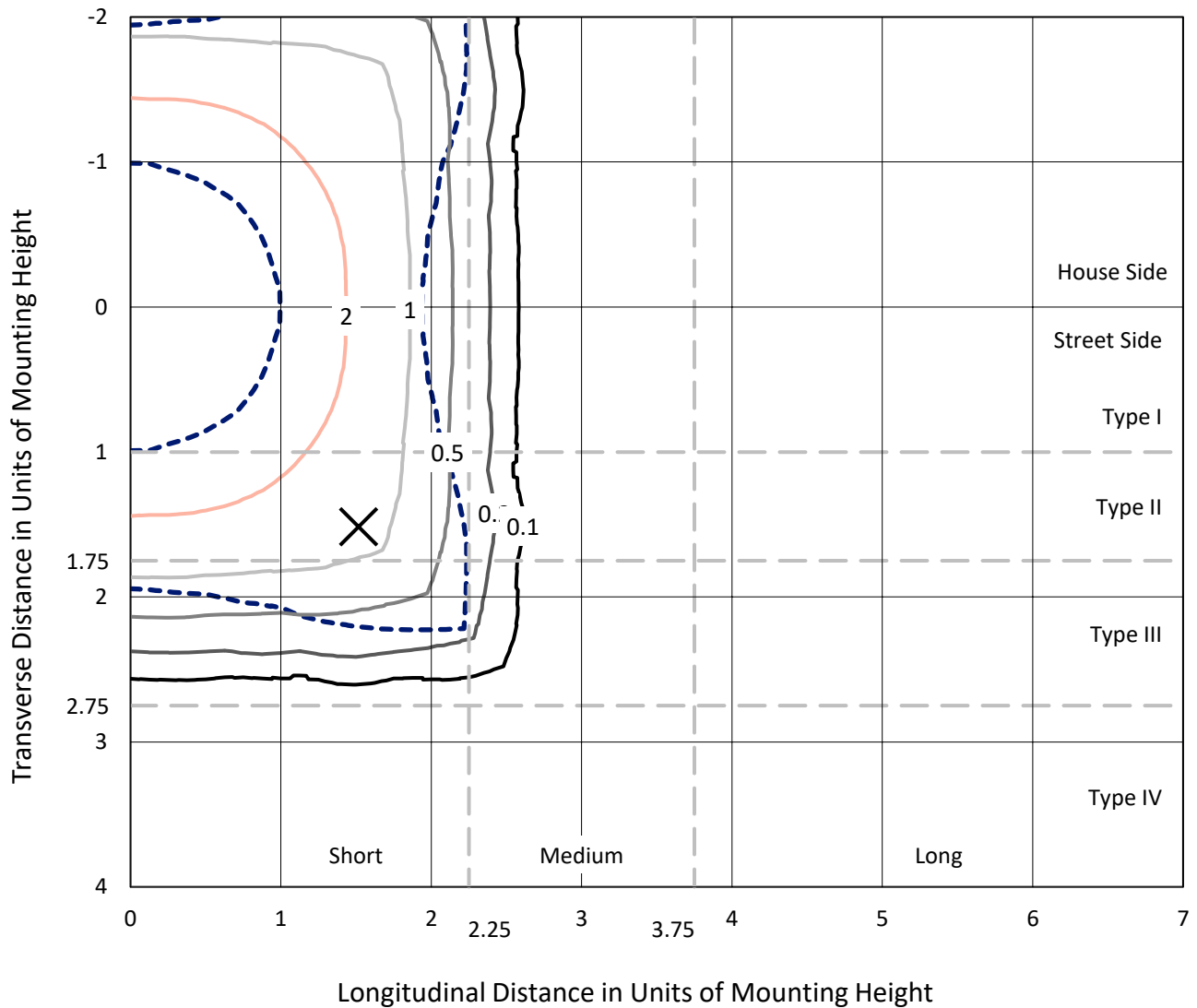
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

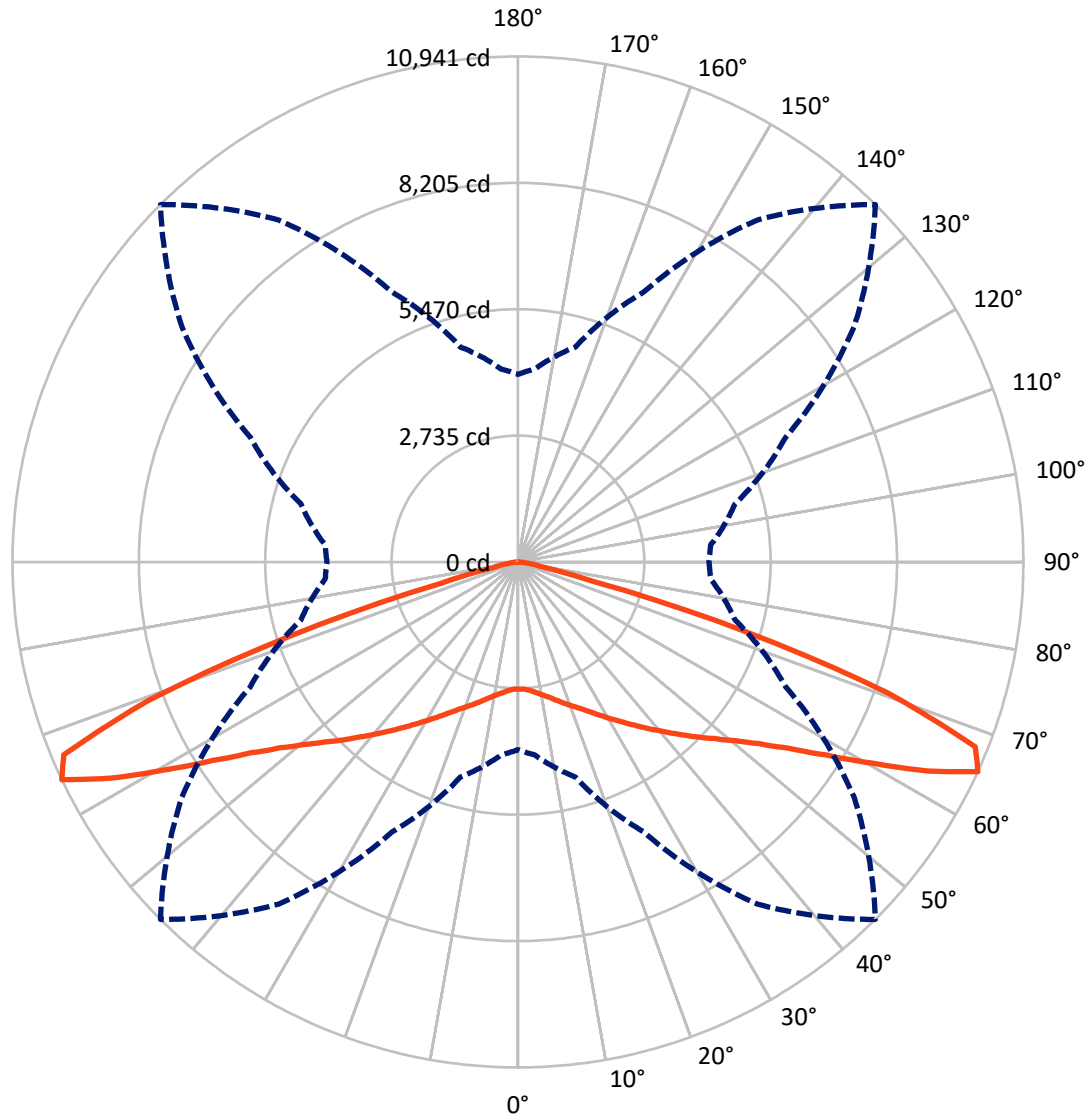
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	11568.0	0.0	11568.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11568.0	0.0	11568.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23136.0	0.0	23136.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.7	1.2
10°-20°	886.7	3.8
20°-30°	1674.2	7.2
30°-40°	2741.4	11.8
40°-50°	4250.6	18.4
50°-60°	6279.0	27.1
60°-70°	5977.0	25.8
70°-80°	964.5	4.2
80°-90°	90.9	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°	23136.0	100.0
0°-180°	23136.0	100.0



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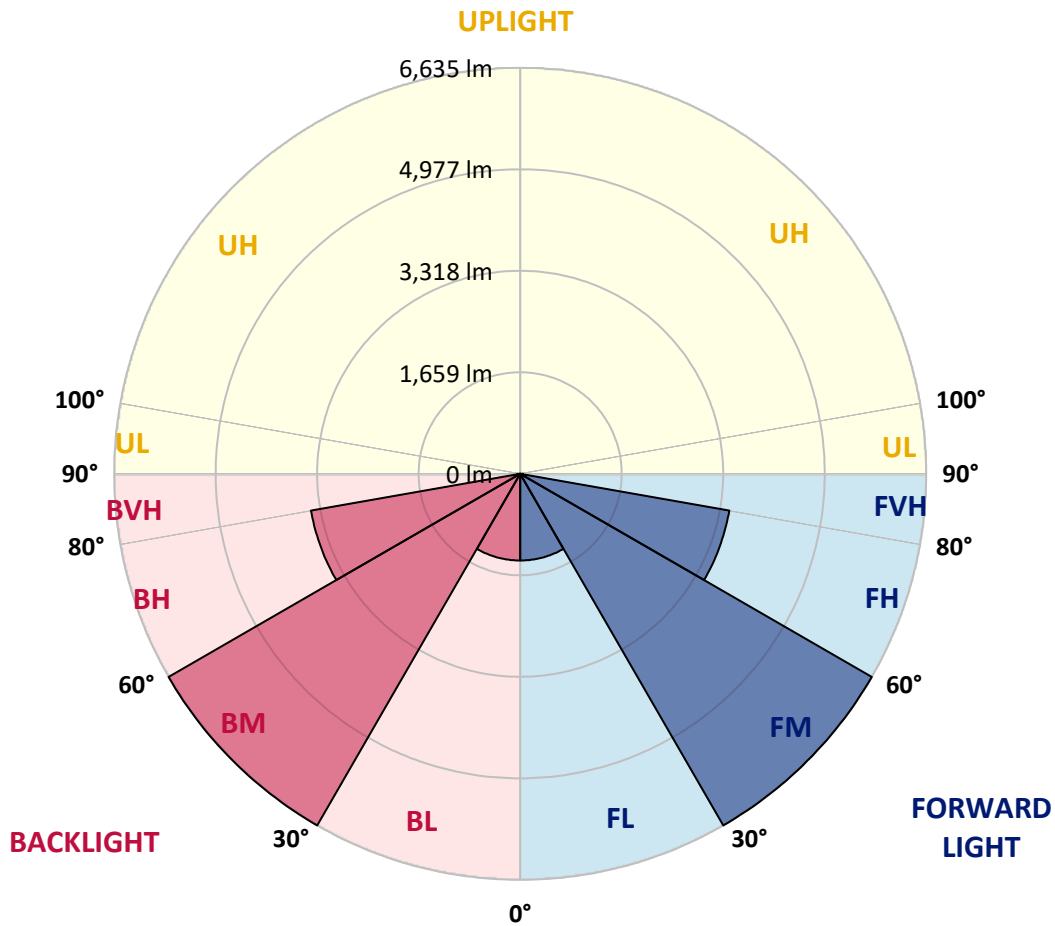
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1416.3	6.1			
FM (30°-60°)	6635.5	28.7			
FH (60°-80°)	3470.7	15.0			G2/5000
FVH (80°-90°)	45.5	0.2			G1/100
BL (0°-30°)	1416.3	6.1	B3/2500		
BM (30°-60°)	6635.5	28.7	B4/8500		
BH (60°-80°)	3470.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	45.5	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°	2753.4	2753.4	2753.4	2753.4	2753.4	2753.4	2753.4	2753.4	2753.4	2753.4
2.5°	2772.0	2762.7	2769.7	2763.9	2759.2	2754.6	2756.9	2765.0	2768.5	2769.7
5°	2809.1	2801.0	2804.5	2804.5	2796.4	2794.0	2795.2	2801.0	2808.0	2808.0
7.5°	2869.5	2861.4	2869.5	2864.9	2857.9	2855.6	2854.4	2859.0	2869.5	2869.5
10°	2942.6	2933.3	2938.0	2935.7	2927.5	2924.1	2922.9	2929.9	2939.1	2938.0
12.5°	3022.7	3012.3	3018.1	3011.1	3008.8	3005.3	3005.3	3004.1	3010.0	3005.3
15°	3112.1	3105.1	3107.5	3102.8	3106.3	3104.0	3094.7	3090.0	3092.4	3085.4
17.5°	3217.7	3201.5	3209.6	3207.3	3207.3	3211.9	3196.8	3191.0	3195.7	3188.7
20°	3339.6	3323.4	3326.9	3322.2	3316.4	3321.0	3302.5	3307.1	3310.6	3306.0
22.5°	3473.1	3452.2	3451.1	3453.4	3440.6	3441.8	3429.0	3440.6	3447.6	3434.8
25°	3610.1	3588.0	3603.1	3597.3	3581.1	3584.5	3575.3	3586.9	3592.7	3576.4
27.5°	3755.2	3740.1	3754.0	3757.5	3737.8	3751.7	3737.8	3748.2	3754.0	3729.6
30°	3924.7	3909.6	3922.3	3931.6	3908.4	3930.5	3918.9	3925.8	3927.0	3898.0
32.5°	4109.2	4086.0	4118.5	4123.2	4097.6	4124.3	4109.2	4118.5	4124.3	4084.9
35°	4334.4	4305.4	4342.5	4336.7	4314.7	4336.7	4322.8	4336.7	4350.7	4303.1
37.5°	4577.0	4546.8	4586.3	4575.9	4555.0	4570.1	4561.9	4571.2	4593.3	4542.2
40°	4844.0	4806.9	4860.3	4841.7	4822.0	4819.6	4824.3	4830.1	4859.1	4802.2
42.5°	5129.6	5090.1	5170.2	5141.2	5113.3	5094.7	5109.8	5121.4	5149.3	5085.5
45°	5455.8	5410.5	5515.0	5480.1	5436.0	5397.7	5422.1	5439.5	5480.1	5403.5
47.5°	5815.6	5764.5	5876.0	5865.5	5793.5	5710.0	5765.7	5815.6	5845.8	5752.9
50°	6167.3	6127.9	6274.1	6286.9	6198.7	6081.4	6159.2	6234.7	6242.8	6120.9
52.5°	6497.0	6457.5	6670.0	6750.0	6671.1	6531.8	6614.2	6690.8	6629.3	6471.5
55°	6760.5	6728.0	6998.5	7205.1	7231.8	7116.9	7165.6	7163.3	6961.3	6718.7
57.5°	6824.3	6819.7	7161.0	7598.6	7877.2	7891.1	7794.8	7548.7	7113.4	6787.2
60°	6534.1	6563.2	7032.1	7804.1	8547.0	8855.7	8439.0	7736.7	6940.4	6487.7
62.5°	5665.9	5742.5	6307.8	7553.3	9087.9	9965.5	8955.6	7451.2	6230.0	5639.2
65°	4060.5	4194.0	4818.5	6445.9	9039.1	10940.5	8881.3	6393.7	4864.9	4183.5
67.5°	1842.2	1978.0	2508.5	4413.4	7857.4	10675.9	7838.9	4459.8	2633.9	1985.0
70°	667.5	690.7	861.3	1766.7	5021.6	8506.3	5236.4	1779.5	915.9	735.9
72.5°	404.0	407.4	443.4	632.6	1744.7	5164.4	1819.0	653.5	452.7	401.6
75°	256.5	254.2	315.7	386.5	618.7	1742.4	648.9	386.5	314.6	286.7
77.5°	184.6	190.4	226.4	289.0	390.0	590.8	383.1	276.3	226.4	185.7
80°	138.1	141.6	164.8	225.2	273.9	368.0	243.8	204.3	170.6	116.1
82.5°	99.8	99.8	108.0	163.7	167.2	198.5	132.3	143.9	112.6	82.4
85°	59.2	58.0	67.3	97.5	87.1	73.1	60.4	88.2	70.8	51.1
87.5°	20.9	22.1	20.9	27.9	23.2	19.7	18.6	24.4	19.7	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2753.4
2769.7
2808.0
2866.0
2935.7
3007.6
3086.6
3194.5
3316.4
3447.6
3595.0
3748.2
3915.4
4111.6
4332.1
4573.5
4820.8
5119.1
5443.0
5784.3
6136.0
6476.1
6726.8
6766.3
6434.3
5604.3
4133.6
1955.9
726.7
408.6
289.0
189.2
119.6
82.4
49.9
16.3
0.0

OF REPORT)