

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: P953650

Luminaire Tested: **GALN-SB7A-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20336 lumens
Efficiency: N/A
Efficacy: 102.1 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

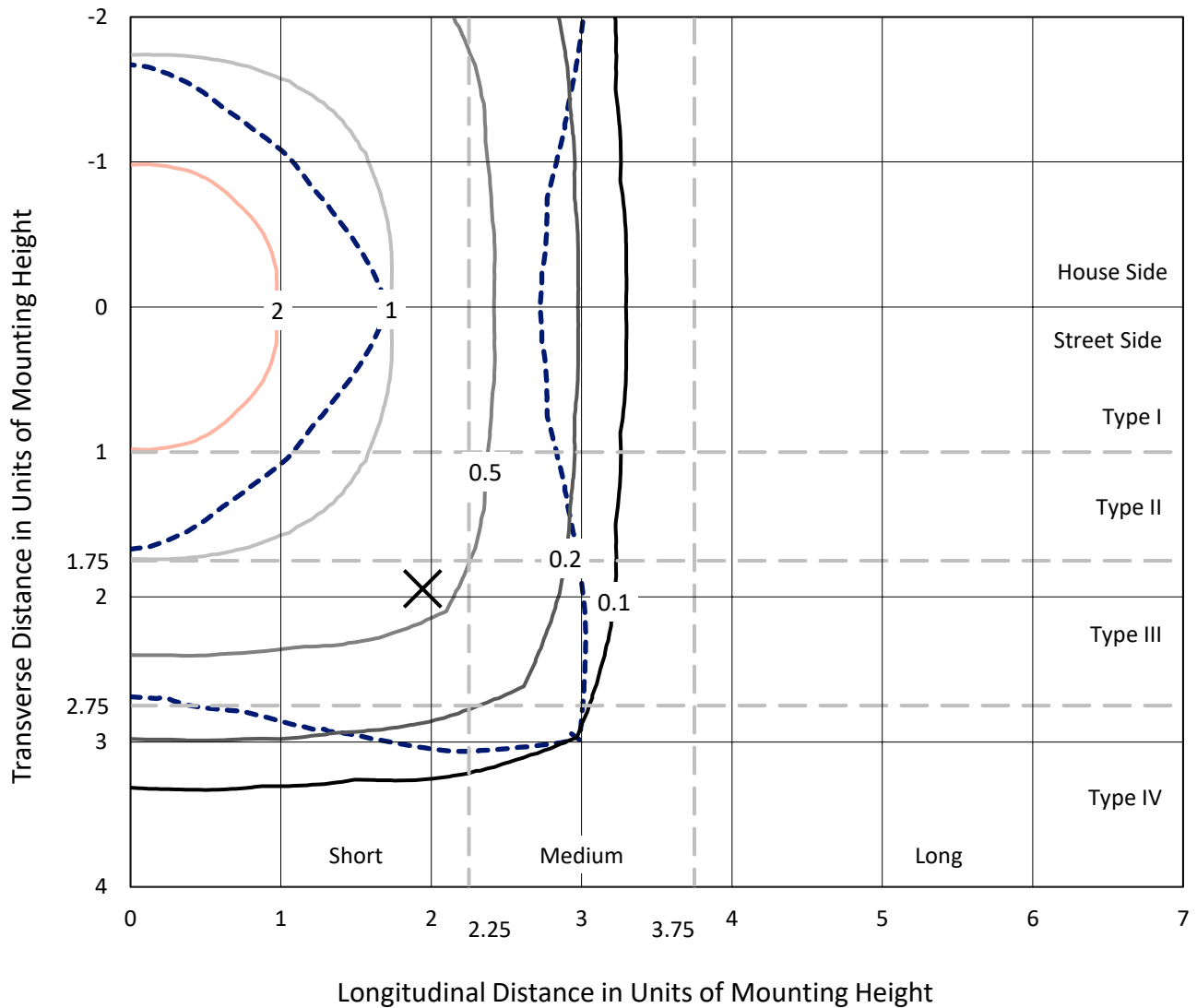
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

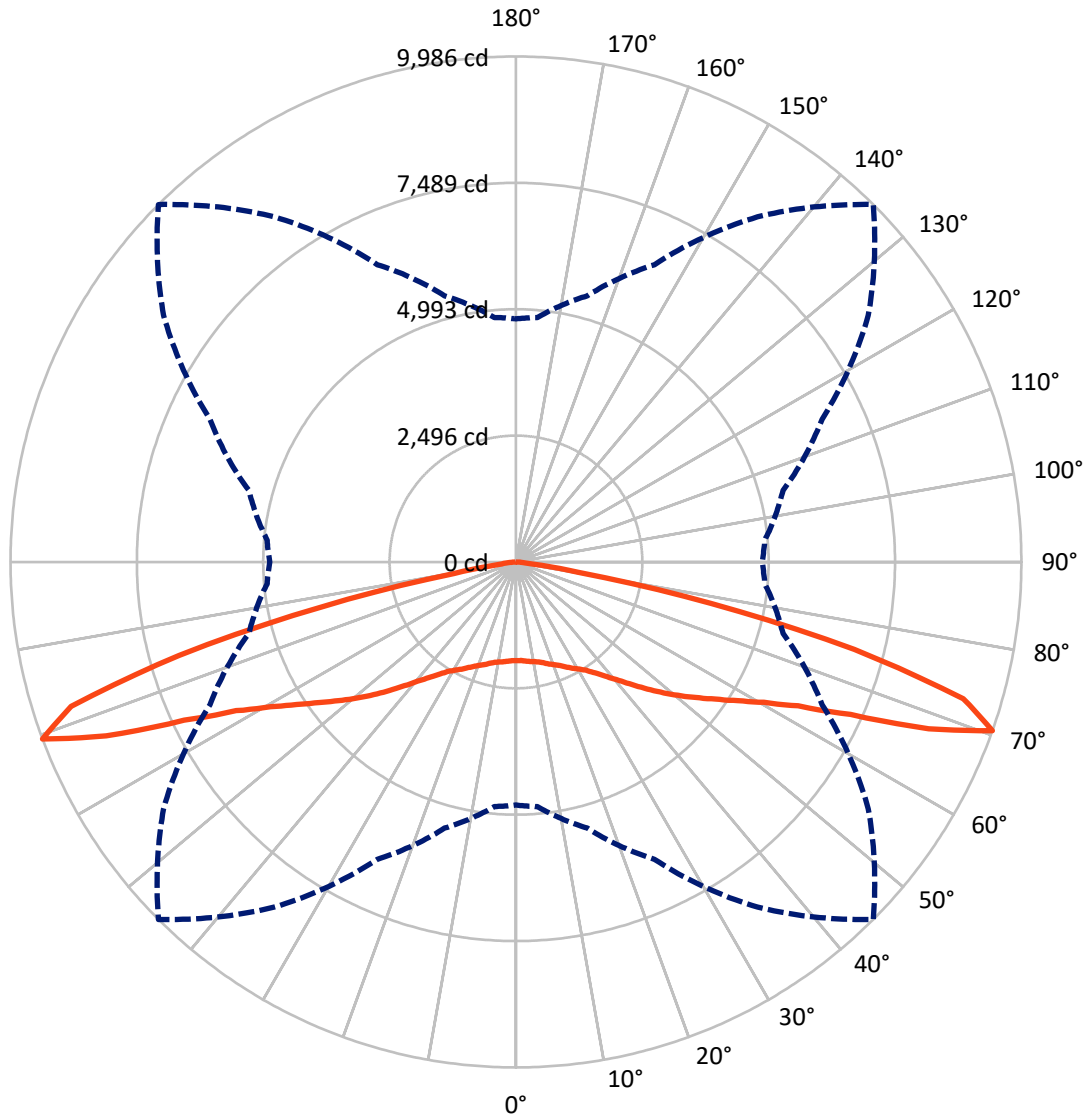
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10168.0	0.0	10168.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10168.0	0.0	10168.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20336.0	0.0	20336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	0.9
10°-20°	586.8	2.9
20°-30°	1048.7	5.2
30°-40°	1700.0	8.4
40°-50°	2769.0	13.6
50°-60°	4221.8	20.8
60°-70°	6280.7	30.9
70°-80°	3423.2	16.8
80°-90°	116.6	0.6
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°	20336.0	100.0
0°-180°	20336.0	100.0

Coefficient of Utilization



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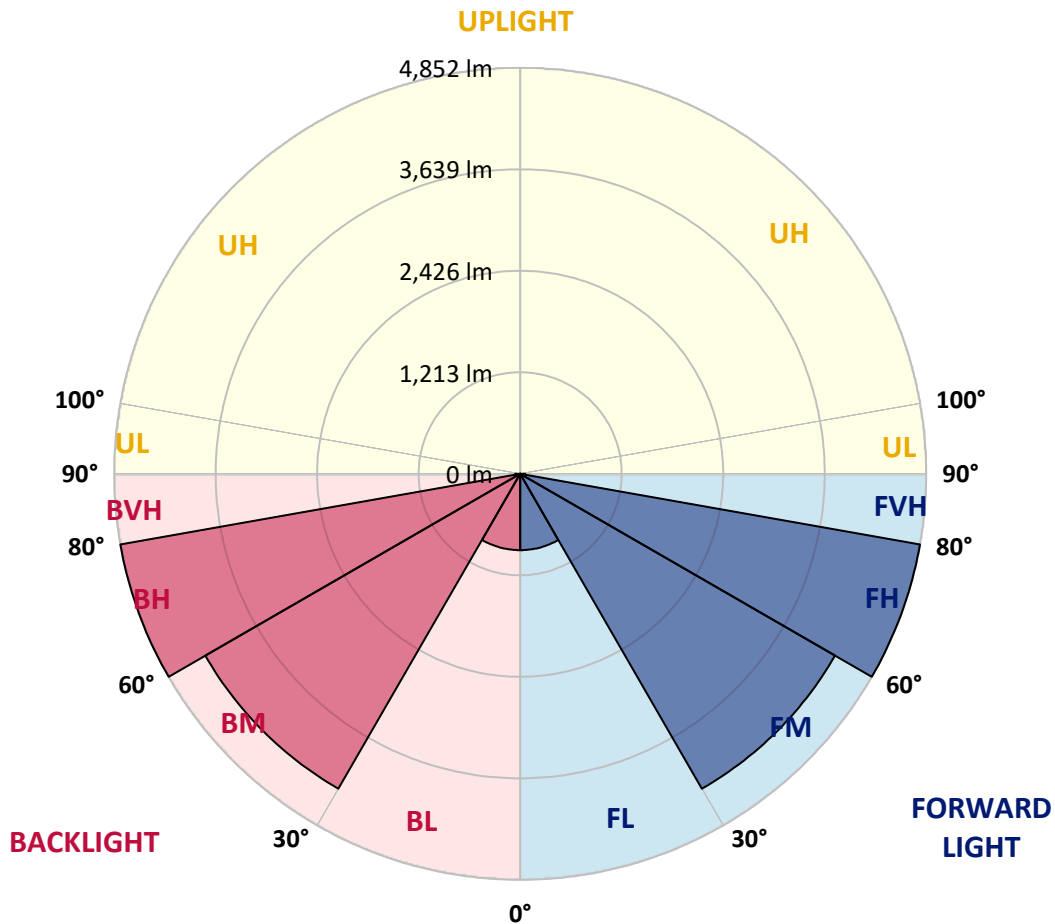
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	912.4	4.5			
FM (30°-60°)	4345.4	21.4			
FH (60°-80°)	4851.9	23.9			G2/5000
FVH (80°-90°)	58.3	0.3			G1/100
BL (0°-30°)	912.4	4.5	B2/1000		
BM (30°-60°)	4345.4	21.4	B3/5000		
BH (60°-80°)	4851.9	23.9	B4/5000		G2/5000
BVH (80°-90°)	58.3	0.3			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°	1948.0	1948.0	1948.0	1948.0	1948.0	1948.0	1948.0	1948.0	1948.0	1948.0
2.5°	1957.2	1959.2	1955.1	1953.1	1951.0	1948.0	1949.0	1954.1	1958.2	1957.2
5°	1973.5	1975.5	1972.5	1971.5	1967.4	1966.4	1966.4	1971.5	1974.5	1972.5
7.5°	1991.9	1994.9	1989.8	1988.8	1986.8	1984.7	1983.7	1988.8	1991.9	1991.9
10°	2009.2	2012.3	2008.2	2005.2	2003.1	2003.1	2001.1	2005.2	2010.3	2009.2
12.5°	2027.6	2029.7	2025.6	2023.5	2023.5	2026.6	2023.5	2025.6	2029.7	2027.6
15°	2050.1	2051.1	2050.1	2053.1	2058.2	2068.5	2059.3	2057.2	2059.3	2054.2
17.5°	2080.7	2082.7	2086.8	2094.0	2101.1	2119.5	2103.2	2098.1	2098.1	2087.8
20°	2118.5	2121.5	2127.7	2139.9	2149.1	2166.5	2150.1	2143.0	2139.9	2126.6
22.5°	2158.3	2163.4	2172.6	2188.9	2205.3	2221.6	2205.3	2193.0	2183.8	2166.5
25°	2204.2	2210.4	2224.7	2251.2	2273.7	2297.1	2277.7	2253.2	2234.9	2210.4
27.5°	2269.6	2276.7	2294.1	2326.8	2355.3	2375.8	2357.4	2325.7	2300.2	2270.6
30°	2361.5	2368.6	2389.0	2423.7	2443.1	2456.4	2444.2	2419.7	2389.0	2355.3
32.5°	2479.9	2489.1	2511.5	2544.2	2548.3	2550.3	2546.3	2534.0	2511.5	2470.7
35°	2630.0	2640.2	2665.7	2692.3	2688.2	2692.3	2686.1	2682.0	2665.7	2618.7
37.5°	2813.7	2826.0	2852.5	2873.0	2862.8	2857.6	2858.7	2859.7	2850.5	2798.4
40°	3027.1	3043.5	3062.9	3084.3	3066.9	3051.6	3061.8	3070.0	3061.8	3008.7
42.5°	3246.6	3270.1	3290.5	3321.2	3306.9	3287.5	3301.8	3311.0	3293.6	3236.4
45°	3490.6	3513.1	3539.6	3585.6	3575.4	3555.0	3575.4	3577.4	3547.8	3480.4
47.5°	3742.8	3766.3	3806.1	3867.4	3863.3	3840.8	3867.4	3853.1	3815.3	3734.6
50°	3981.7	4014.4	4075.6	4161.4	4169.6	4142.0	4177.7	4150.2	4086.9	3985.8
52.5°	4206.3	4241.0	4338.0	4454.4	4484.0	4448.3	4496.3	4448.3	4353.3	4223.7
55°	4442.2	4481.0	4596.3	4748.5	4807.7	4781.1	4826.0	4753.6	4618.8	4461.6
57.5°	4719.9	4743.3	4881.2	5061.9	5161.9	5168.1	5188.5	5066.0	4902.6	4723.9
60°	5021.0	5053.7	5203.8	5420.2	5578.5	5629.5	5608.1	5426.4	5236.5	5031.3
62.5°	5407.0	5442.7	5622.4	5881.7	6131.8	6258.4	6174.7	5911.3	5676.5	5430.4
65°	5726.5	5766.3	6091.0	6553.5	7008.8	7263.1	7052.7	6567.8	6145.1	5798.0
67.5°	5494.8	5543.8	6053.2	6902.7	8034.9	8793.5	8073.7	7006.8	6178.8	5708.1
70°	4802.6	4848.5	5442.7	6481.0	8323.8	9985.9	8497.4	6671.9	5462.1	4935.3
72.5°	3188.4	3336.5	3937.8	5183.4	7432.5	9240.6	7506.0	5078.2	3653.0	3181.3
75°	1057.7	1176.1	1586.6	2687.1	4978.2	6910.8	4739.3	2377.8	1256.8	904.6
77.5°	266.5	307.3	423.7	768.8	1985.8	3934.8	1787.7	627.9	342.0	238.9
80°	129.7	142.9	204.2	256.3	497.2	1250.7	466.6	240.9	161.3	124.6
82.5°	71.5	72.5	115.4	145.0	184.8	323.6	191.9	140.9	92.9	75.6
85°	43.9	42.9	61.3	77.6	77.6	115.4	91.9	77.6	53.1	47.0
87.5°	17.4	17.4	22.5	24.5	21.4	29.6	23.5	25.5	20.4	19.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1948.0
1958.2
1973.5
1991.9
2009.2
2026.6
2054.2
2087.8
2126.6
2165.4
2209.3
2269.6
2355.3
2471.7
2618.7
2798.4
3008.7
3240.5
3487.6
3729.5
3983.8
4211.4
4440.1
4699.4
4998.6
5387.6
5740.8
5637.7
4864.8
3078.2
855.6
213.4
114.3
75.6
49.0
20.4
0.0

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