

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: P952306

Luminaire Tested: **GALN-SB6A-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952306
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-SB6A-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19817 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

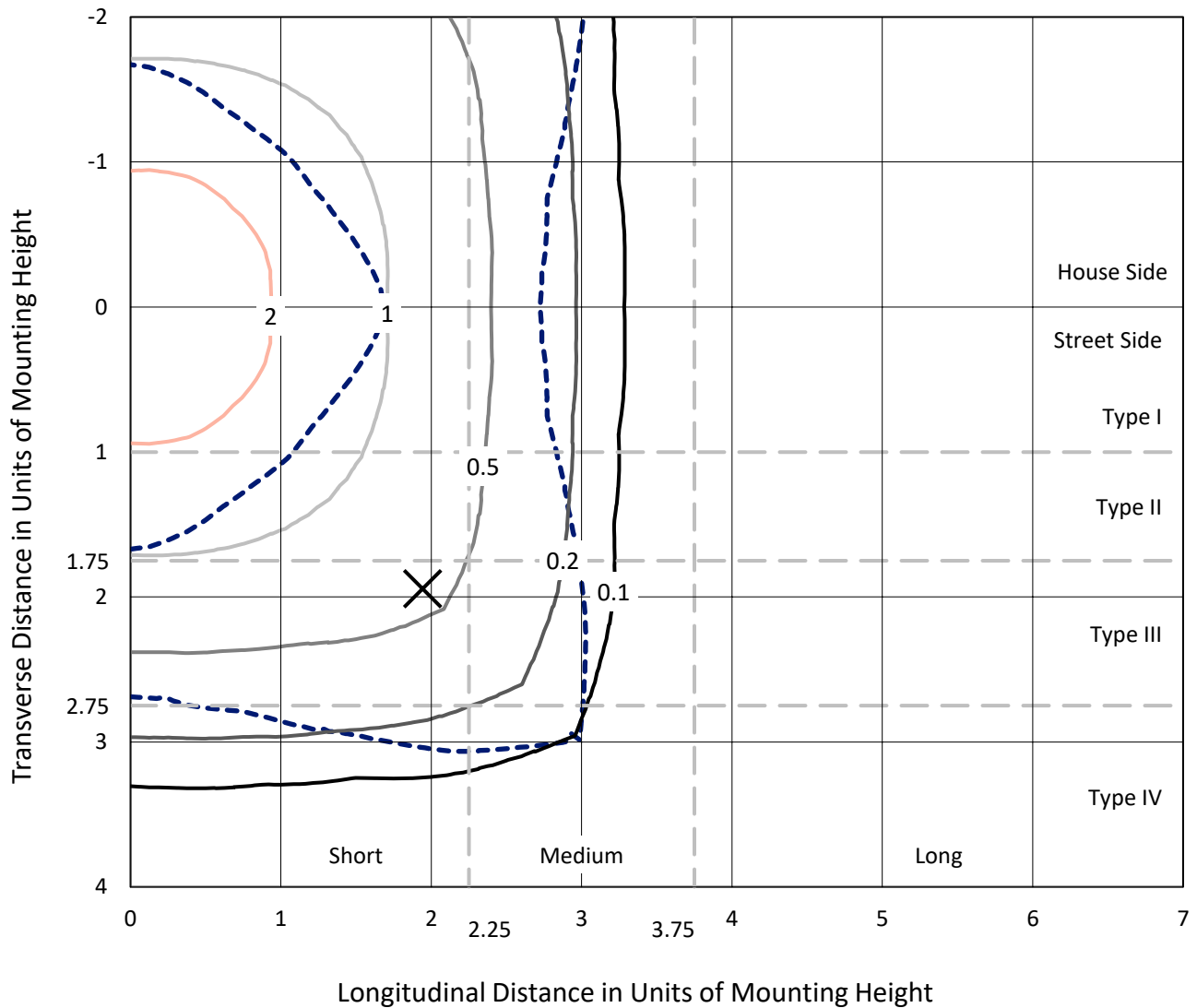
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

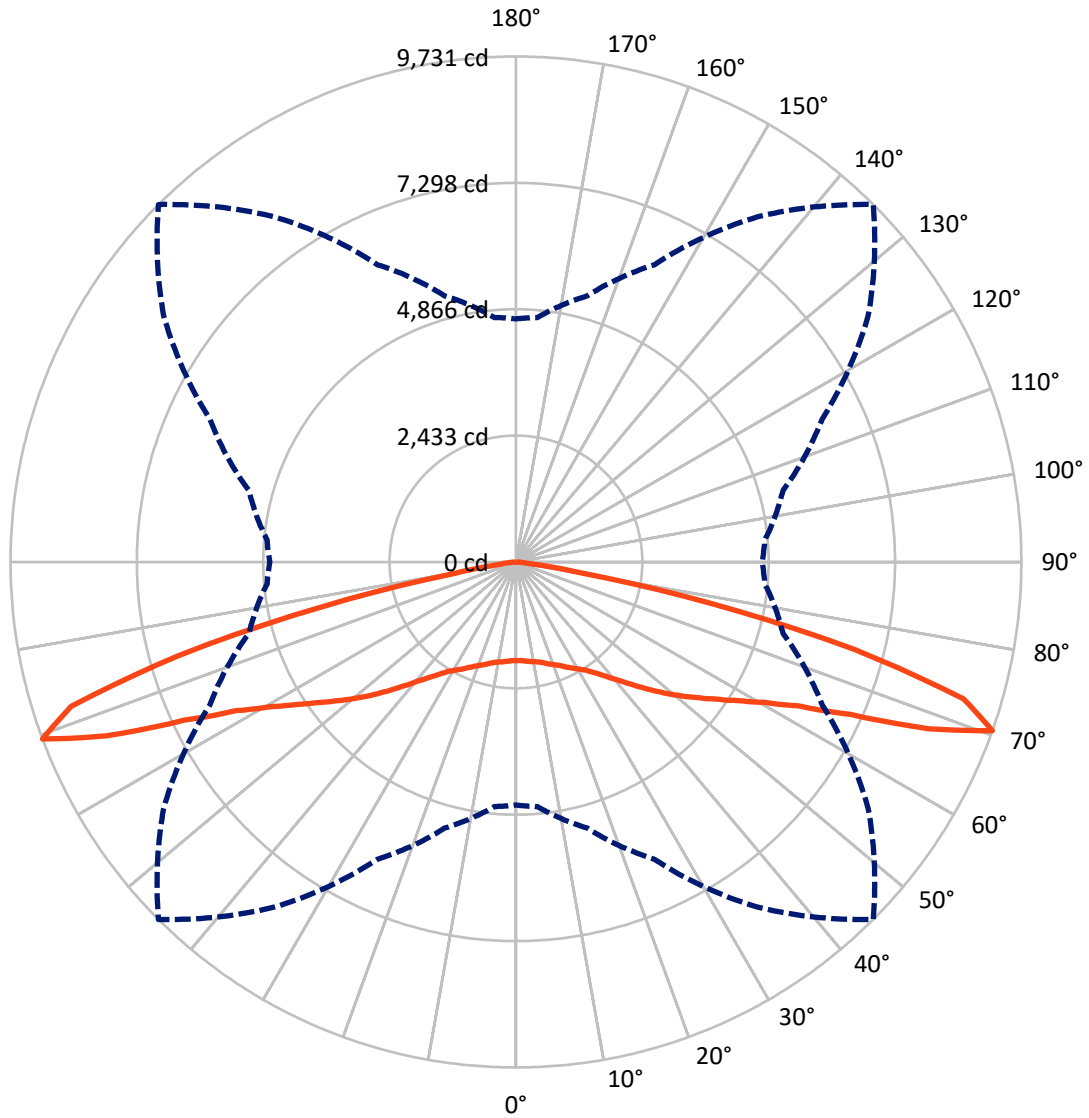
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	9908.5	0.0	9908.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9908.5	0.0	9908.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19817.0	0.0	19817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	0.9
10°-20°	571.9	2.9
20°-30°	1022.0	5.2
30°-40°	1656.6	8.4
40°-50°	2698.3	13.6
50°-60°	4114.0	20.8
60°-70°	6120.4	30.9
70°-80°	3335.8	16.8
80°-90°	113.6	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°	19817.0	100.0
0°-180°	19817.0	100.0

Coefficient of Utilization



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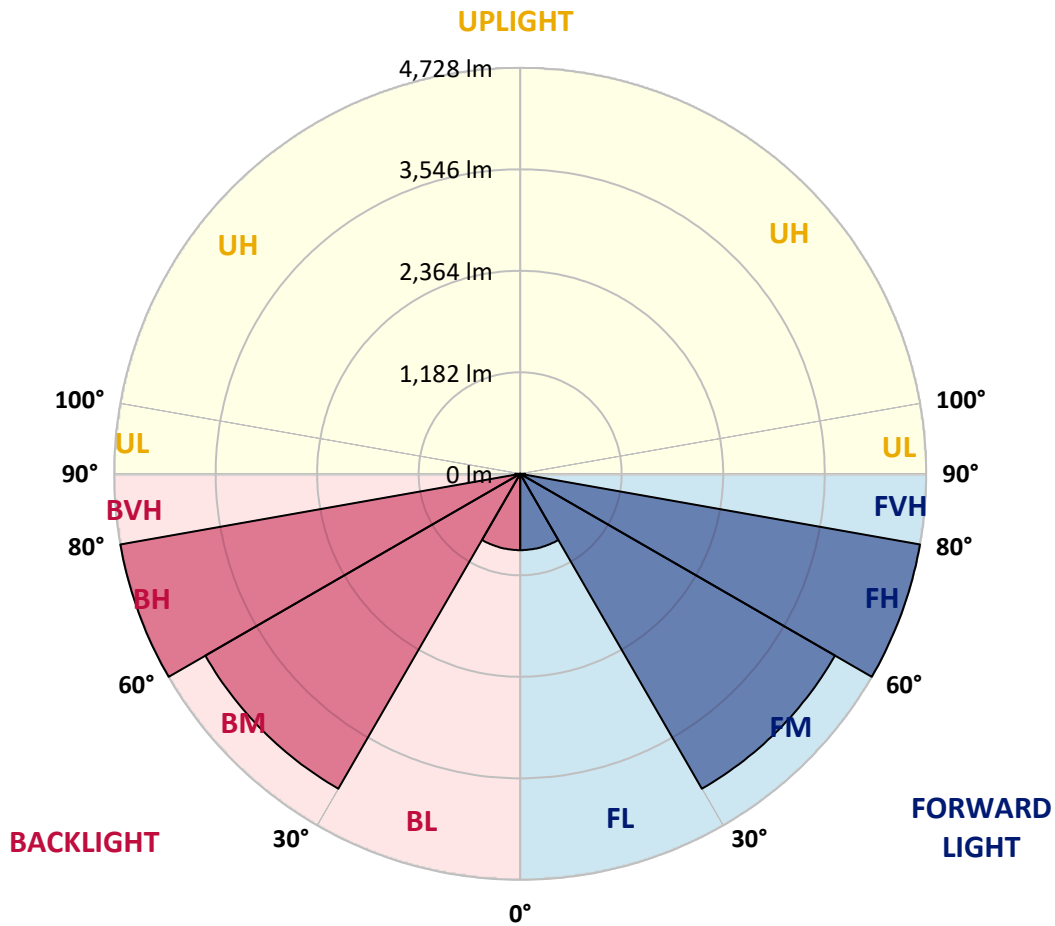
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	889.1	4.5			
FM (30°-60°)	4234.5	21.4			
FH (60°-80°)	4728.1	23.9			G2/5000
FVH (80°-90°)	56.8	0.3			G1/100
BL (0°-30°)	889.1	4.5	B2/1000		
BM (30°-60°)	4234.5	21.4	B3/5000		
BH (60°-80°)	4728.1	23.9	B4/5000		G2/5000
BVH (80°-90°)	56.8	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°	1898.3	1898.3	1898.3	1898.3	1898.3	1898.3	1898.3	1898.3	1898.3	1898.3
2.5°	1907.2	1909.2	1905.2	1903.2	1901.2	1898.3	1899.3	1904.2	1908.2	1907.2
5°	1923.1	1925.1	1922.1	1921.1	1917.2	1916.2	1916.2	1921.1	1924.1	1922.1
7.5°	1941.0	1944.0	1939.1	1938.1	1936.1	1934.1	1933.1	1938.1	1941.0	1941.0
10°	1958.0	1960.9	1957.0	1954.0	1952.0	1952.0	1950.0	1954.0	1959.0	1958.0
12.5°	1975.9	1977.9	1973.9	1971.9	1971.9	1974.9	1971.9	1973.9	1977.9	1975.9
15°	1997.8	1998.7	1997.8	2000.7	2005.7	2015.7	2006.7	2004.7	2006.7	2001.7
17.5°	2027.6	2029.6	2033.6	2040.5	2047.5	2065.4	2049.5	2044.5	2044.5	2034.6
20°	2064.4	2067.4	2073.4	2085.3	2094.3	2111.2	2095.3	2088.3	2085.3	2072.4
22.5°	2103.2	2108.2	2117.1	2133.1	2149.0	2164.9	2149.0	2137.0	2128.1	2111.2
25°	2148.0	2154.0	2167.9	2193.7	2215.6	2238.5	2219.6	2195.7	2177.8	2154.0
27.5°	2211.7	2218.6	2235.5	2267.4	2295.2	2315.1	2297.2	2266.4	2241.5	2212.7
30°	2301.2	2308.2	2328.1	2361.9	2380.8	2393.7	2381.8	2357.9	2328.1	2295.2
32.5°	2416.6	2425.6	2447.4	2479.3	2483.3	2485.3	2481.3	2469.3	2447.4	2407.7
35°	2562.9	2572.8	2597.7	2623.5	2619.6	2623.5	2617.6	2613.6	2597.7	2551.9
37.5°	2741.9	2753.9	2779.7	2799.6	2789.7	2784.7	2785.7	2786.7	2777.8	2727.0
40°	2949.9	2965.8	2984.7	3005.6	2988.7	2973.7	2983.7	2991.7	2983.7	2932.0
42.5°	3163.8	3186.7	3206.6	3236.4	3222.5	3203.6	3217.5	3226.5	3209.5	3153.8
45°	3401.6	3423.4	3449.3	3494.1	3484.1	3464.2	3484.1	3486.1	3457.3	3391.6
47.5°	3647.3	3670.2	3709.0	3768.7	3764.7	3742.8	3768.7	3754.7	3717.9	3639.3
50°	3880.1	3911.9	3971.6	4055.2	4063.2	4036.3	4071.1	4044.3	3982.6	3884.1
52.5°	4099.0	4132.8	4227.3	4340.7	4369.6	4334.8	4381.5	4334.8	4242.2	4115.9
55°	4328.8	4366.6	4479.0	4627.3	4685.0	4659.1	4702.9	4632.2	4500.9	4347.7
57.5°	4599.4	4622.3	4756.6	4932.7	5030.2	5036.2	5056.1	4936.7	4777.5	4603.4
60°	4892.9	4924.7	5071.0	5281.9	5436.1	5485.9	5465.0	5287.9	5102.8	4902.9
62.5°	5269.0	5303.8	5478.9	5731.6	5975.4	6098.7	6017.1	5760.5	5531.6	5291.9
65°	5580.4	5619.2	5935.6	6386.2	6830.0	7077.7	6872.7	6400.2	5988.3	5650.0
67.5°	5354.5	5402.3	5898.7	6726.5	7829.8	8569.0	7867.6	6828.0	6021.1	5562.5
70°	4680.0	4724.8	5303.8	6315.6	8111.4	9731.1	8280.5	6501.7	5322.7	4809.3
72.5°	3107.1	3251.3	3837.3	5051.1	7242.9	9004.8	7314.5	4948.6	3559.7	3100.1
75°	1030.7	1146.1	1546.1	2618.6	4851.1	6734.5	4618.3	2317.1	1224.7	881.5
77.5°	259.7	299.5	412.9	749.2	1935.1	3834.3	1742.1	611.9	333.3	232.8
80°	126.4	139.3	199.0	249.7	484.5	1218.7	454.7	234.8	157.2	121.4
82.5°	69.6	70.6	112.4	141.3	180.1	315.4	187.0	137.3	90.5	73.6
85°	42.8	41.8	59.7	75.6	75.6	112.4	89.5	75.6	51.7	45.8
87.5°	16.9	16.9	21.9	23.9	20.9	28.9	22.9	24.9	19.9	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1898.3
1908.2
1923.1
1941.0
1958.0
1974.9
2001.7
2034.6
2072.4
2110.2
2153.0
2211.7
2295.2
2408.6
2551.9
2727.0
2932.0
3157.8
3398.6
3634.4
3882.1
4104.0
4326.8
4579.5
4871.0
5250.1
5594.3
5493.8
4740.7
2999.6
833.7
207.9
111.4
73.6
47.8
19.9
0.0

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