

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: P943590

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943590  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
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-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

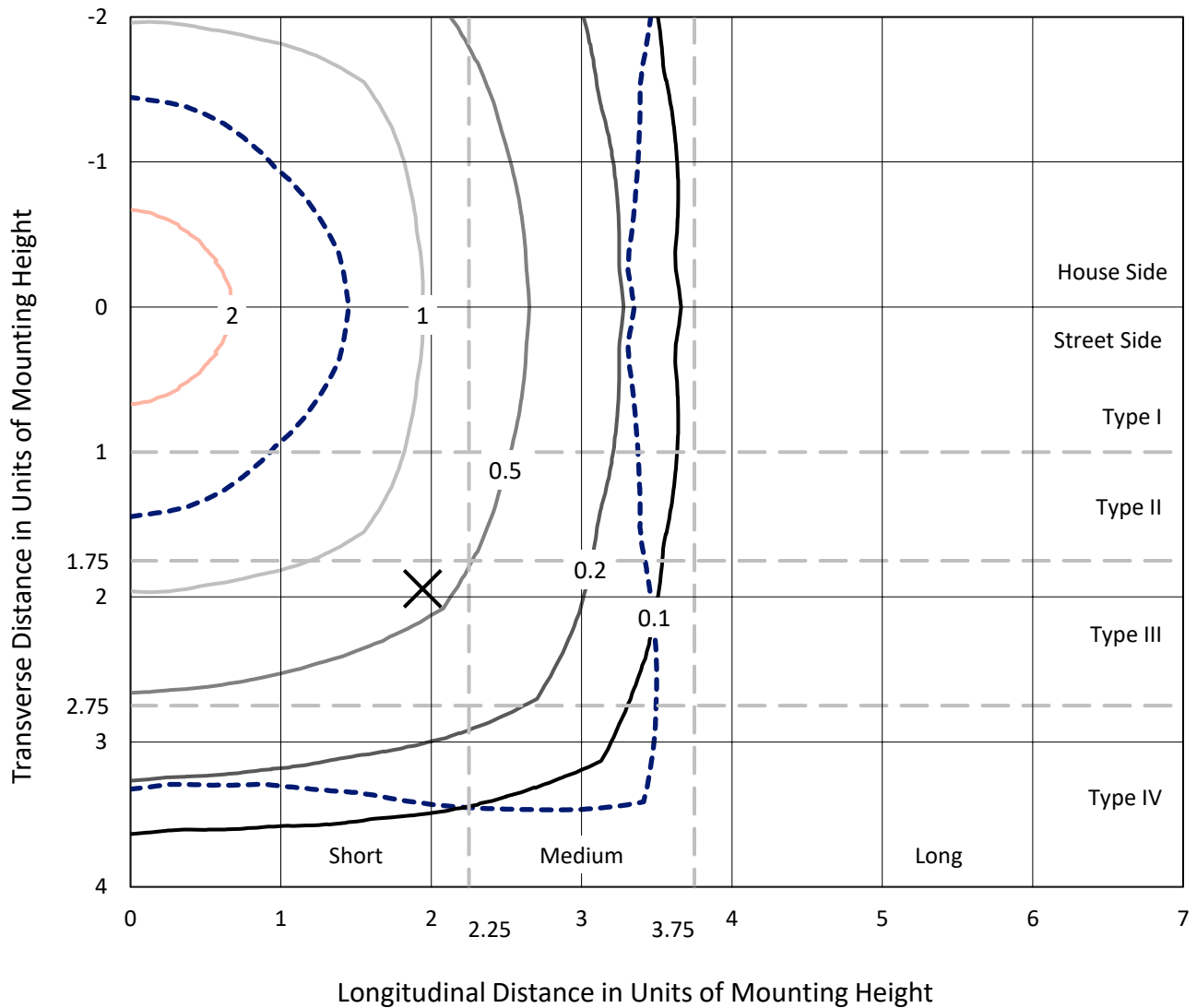
Lumens per Lamp: N/A  
Luminaire Lumens: 22333 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

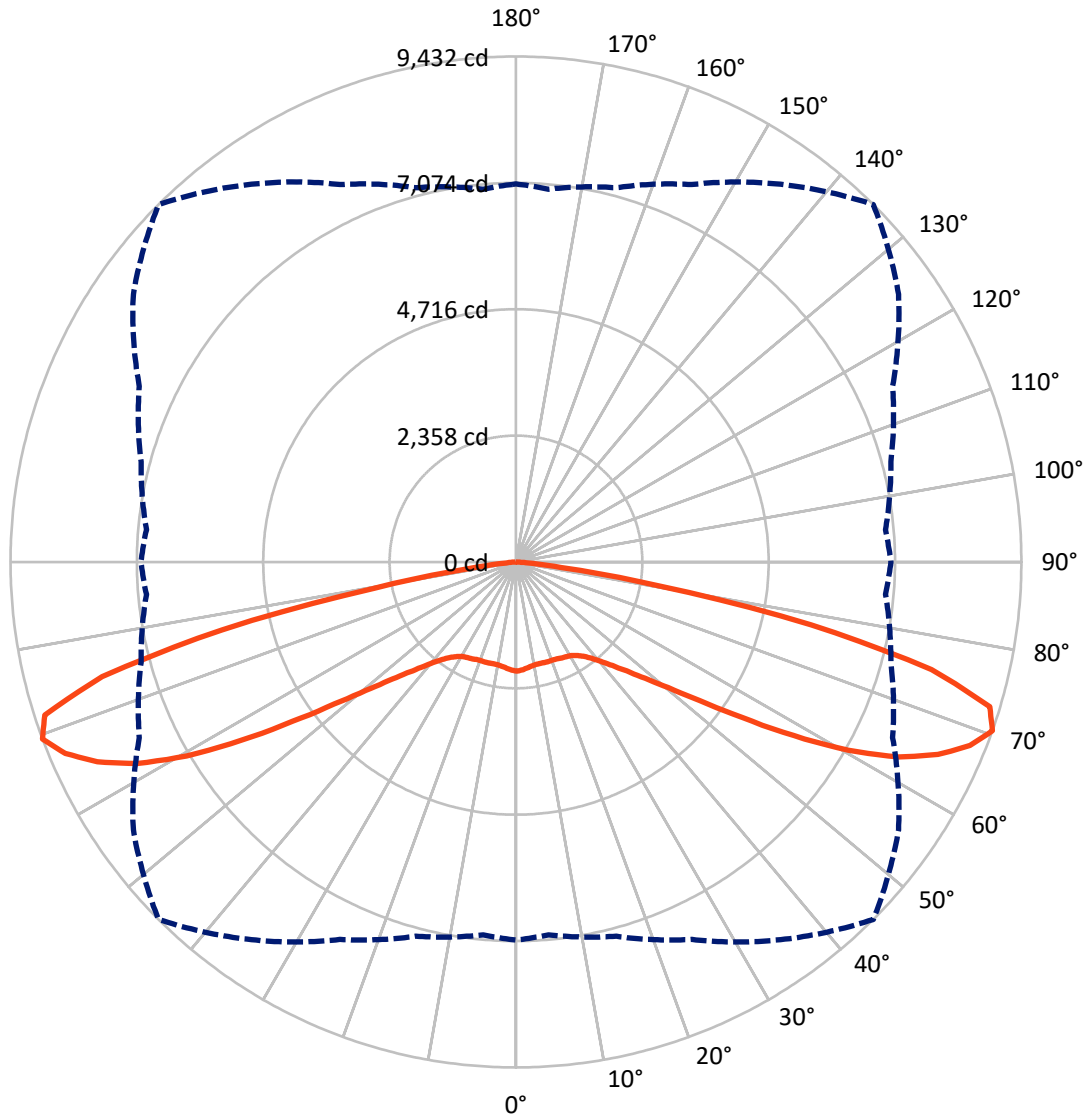
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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
<b>House Side</b>	Lumens	11166.5	0.0	11166.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11166.5	0.0	11166.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22333.0	0.0	22333.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.5	0.8
10°-20°	556.4	2.5
20°-30°	926.0	4.1
30°-40°	1400.4	6.3
40°-50°	2327.1	10.4
50°-60°	4391.2	19.7
60°-70°	7414.8	33.2
70°-80°	4872.3	21.8
80°-90°	255.3	1.1
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°	22333.0	100.0
0°-180°	22333.0	100.0



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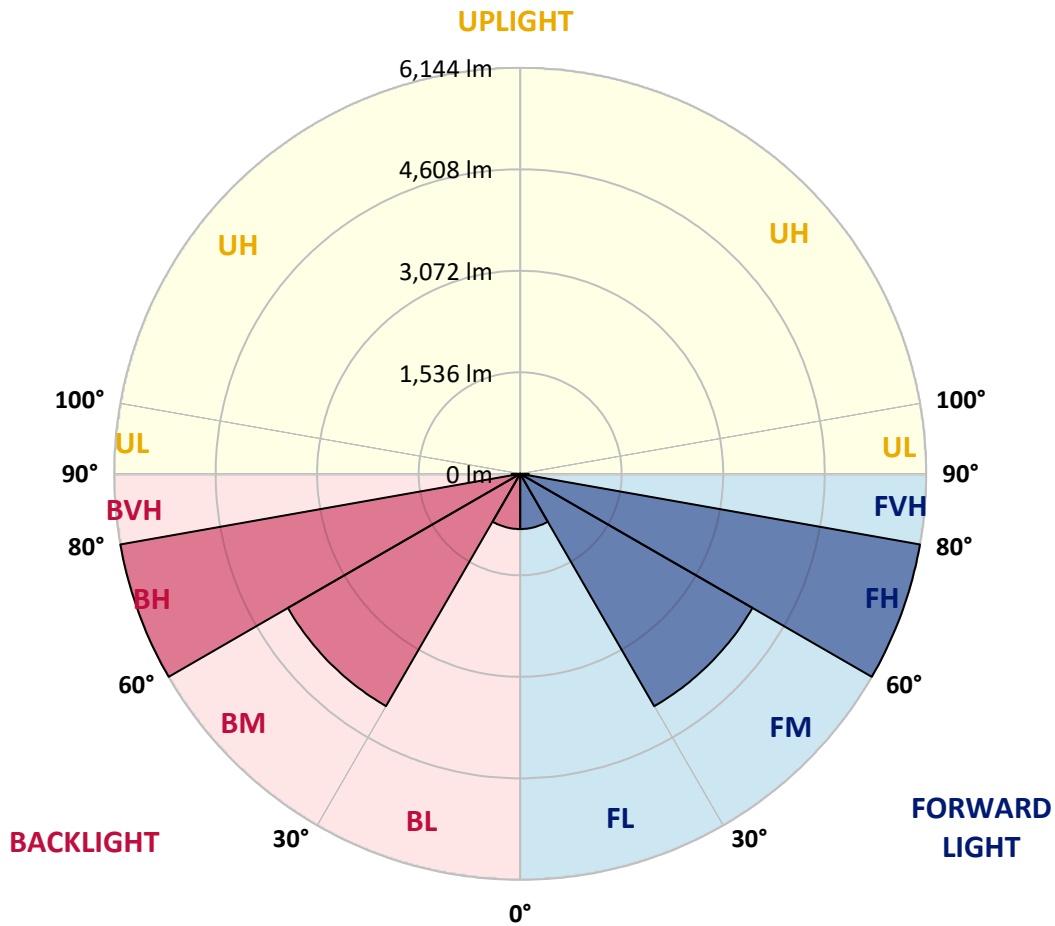
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.0	3.7			
FM (30°-60°)	4059.4	18.2			
FH (60°-80°)	6143.5	27.5			G3/7500
FVH (80°-90°)	127.6	0.6			G2/225
BL (0°-30°)	836.0	3.7	B2/1000		
BM (30°-60°)	4059.4	18.2	B3/5000		
BH (60°-80°)	6143.5	27.5	B5		G3/7500
BVH (80°-90°)	127.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2
2.5°	2024.5	2030.3	2027.9	2023.3	2023.3	2019.8	2023.3	2025.6	2029.1	2031.4
5°	1997.8	2002.4	2001.2	1997.8	1998.9	1995.4	1997.8	2001.2	2003.6	2004.7
7.5°	1974.5	1979.2	1976.9	1971.1	1971.1	1967.6	1968.7	1972.2	1975.7	1976.9
10°	1968.7	1973.4	1966.4	1957.1	1953.6	1949.0	1950.2	1953.6	1960.6	1964.1
12.5°	1971.1	1974.5	1967.6	1953.6	1950.2	1945.5	1945.5	1949.0	1958.3	1962.9
15°	1978.0	1981.5	1971.1	1956.0	1952.5	1949.0	1947.8	1952.5	1962.9	1971.1
17.5°	1990.8	1994.3	1978.0	1957.1	1952.5	1953.6	1952.5	1956.0	1972.2	1987.3
20°	2002.4	2004.7	1982.7	1957.1	1952.5	1953.6	1952.5	1959.4	1980.3	2001.2
22.5°	2005.9	2008.2	1987.3	1965.2	1961.8	1962.9	1961.8	1968.7	1988.5	2009.4
25°	2007.0	2010.5	1994.3	1976.9	1982.7	1985.0	1982.7	1983.8	1998.9	2017.5
27.5°	2024.5	2029.1	2014.0	1998.9	2002.4	2001.2	2004.7	2008.2	2019.8	2038.4
30°	2060.4	2063.9	2051.1	2036.1	2033.7	2025.6	2036.1	2047.7	2060.4	2076.7
32.5°	2119.6	2126.6	2110.4	2094.1	2083.7	2079.0	2087.1	2106.9	2124.3	2141.7
35°	2218.3	2222.9	2207.9	2177.7	2159.1	2159.1	2166.1	2191.6	2219.5	2241.5
37.5°	2357.6	2363.4	2336.7	2300.7	2272.9	2272.9	2282.1	2308.8	2350.6	2382.0
40°	2527.1	2535.2	2501.5	2464.4	2437.7	2433.1	2444.7	2474.8	2514.3	2553.8
42.5°	2731.4	2740.7	2696.6	2664.1	2643.2	2643.2	2649.0	2676.8	2712.8	2761.6
45°	2992.6	3008.8	2948.5	2916.0	2896.2	2900.9	2904.3	2928.7	2961.2	3016.9
47.5°	3303.7	3319.9	3256.1	3222.4	3218.9	3241.0	3227.0	3244.5	3261.9	3325.7
50°	3656.5	3684.4	3640.3	3638.0	3644.9	3685.6	3653.1	3662.4	3642.6	3683.2
52.5°	4088.4	4129.0	4120.9	4134.8	4212.6	4296.2	4221.9	4189.4	4115.1	4127.8
55°	4611.9	4673.4	4685.0	4768.6	4945.0	5115.7	4957.8	4826.6	4668.8	4639.8
57.5°	5207.4	5256.1	5311.9	5482.5	5812.2	6115.1	5812.2	5522.0	5273.6	5214.4
60°	5848.2	5908.5	5961.9	6213.8	6703.7	7129.7	6694.4	6233.5	5905.0	5824.9
62.5°	6536.5	6614.3	6651.4	6931.2	7502.3	8010.7	7510.4	6952.1	6587.6	6501.7
65°	7197.0	7260.9	7302.6	7601.0	8146.6	8656.2	8183.7	7633.5	7258.5	7145.9
67.5°	7504.6	7539.5	7641.6	7979.4	8555.2	9136.7	8652.7	8015.4	7596.3	7399.0
70°	7054.2	6983.4	7229.5	7770.5	8603.9	9431.6	8715.4	7754.2	7241.1	6920.7
72.5°	5451.2	5329.3	5756.5	6681.6	8046.7	9243.5	8102.4	6733.9	6022.3	5372.2
75°	2965.9	2827.7	3417.4	4587.5	6417.0	8011.9	6564.4	4718.7	3805.1	2943.8
77.5°	836.9	784.7	1260.6	2219.5	3859.7	5625.3	4008.3	2268.2	1495.1	886.9
80°	256.5	248.4	336.6	668.6	1639.1	2694.2	1575.2	676.8	428.3	270.5
82.5°	152.1	139.3	167.2	243.8	417.9	846.2	406.3	254.2	204.3	137.0
85°	87.1	81.3	98.7	118.4	140.5	179.9	117.2	120.7	109.1	73.1
87.5°	36.0	32.5	38.3	37.1	32.5	41.8	31.3	37.1	44.1	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2037.2
2030.3
2004.7
1976.9
1964.1
1964.1
1972.2
1987.3
2002.4
2009.4
2016.3
2033.7
2073.2
2134.7
2233.4
2370.4
2541.0
2758.1
3014.6
3307.1
3658.9
4084.9
4594.5
5172.6
5755.3
6432.0
7090.2
7401.3
6997.4
5533.6
3135.3
985.5
285.6
148.6
76.6
26.7
0.0

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