

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: P942180

Luminaire Tested: **GALN-SB6A-827-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942180
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-SB6A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 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: 23926 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

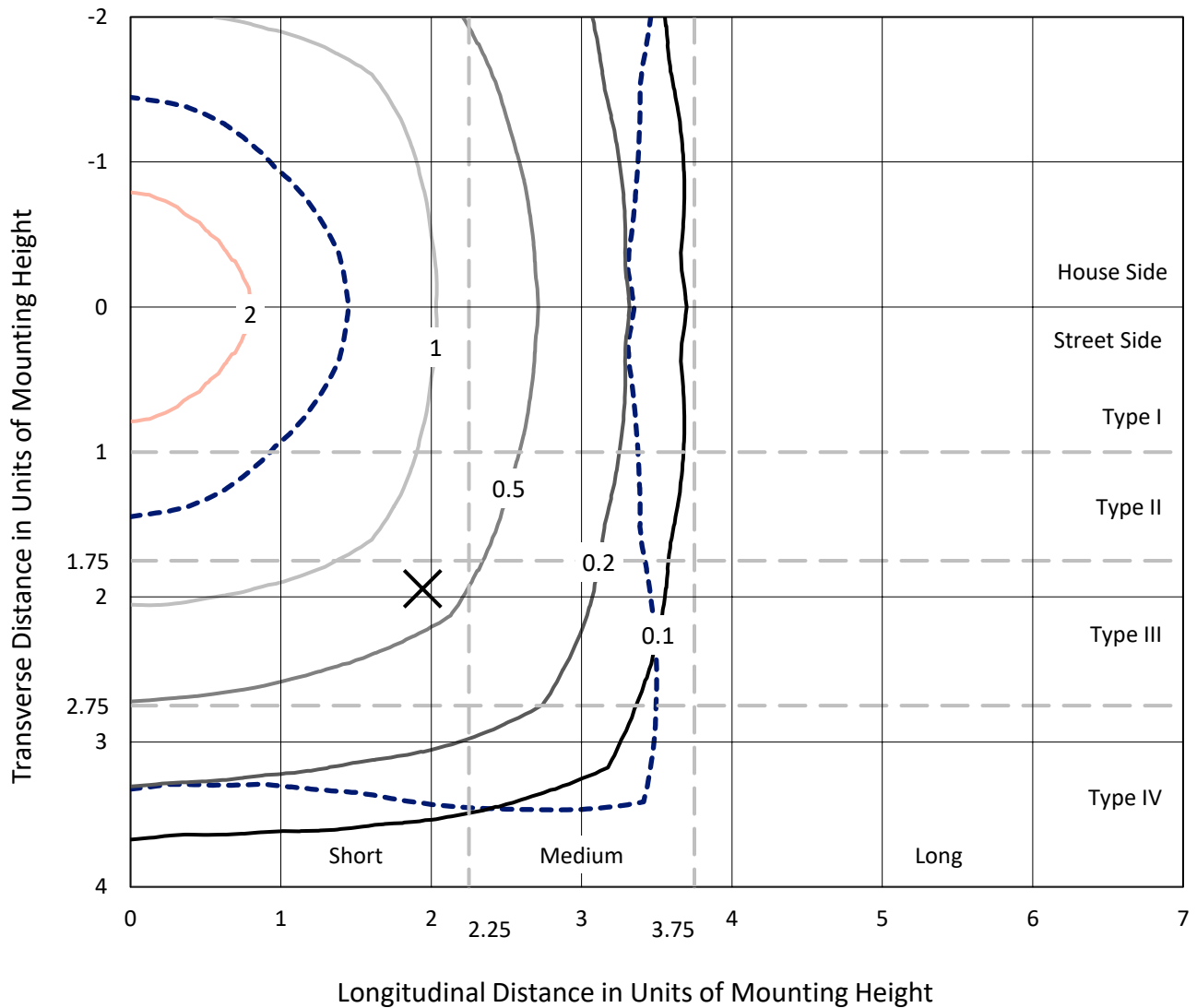
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

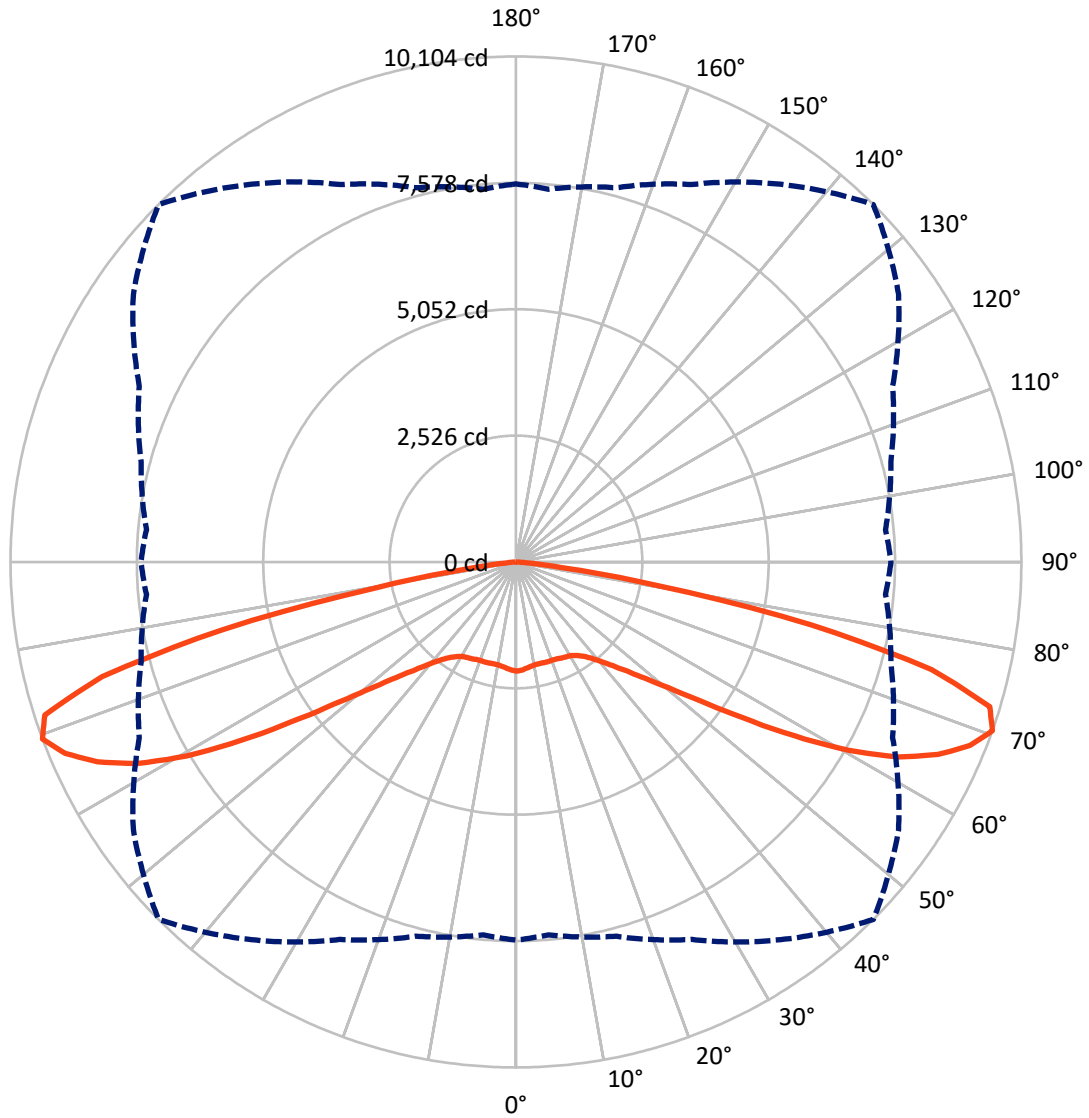
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	11963.0	0.0	11963.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11963.0	0.0	11963.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23926.0	0.0	23926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	0.8
10°-20°	596.1	2.5
20°-30°	992.1	4.1
30°-40°	1500.3	6.3
40°-50°	2493.1	10.4
50°-60°	4704.4	19.7
60°-70°	7943.6	33.2
70°-80°	5219.8	21.8
80°-90°	273.5	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°	23926.0	100.0
0°-180°	23926.0	100.0

Coefficient of Utilization



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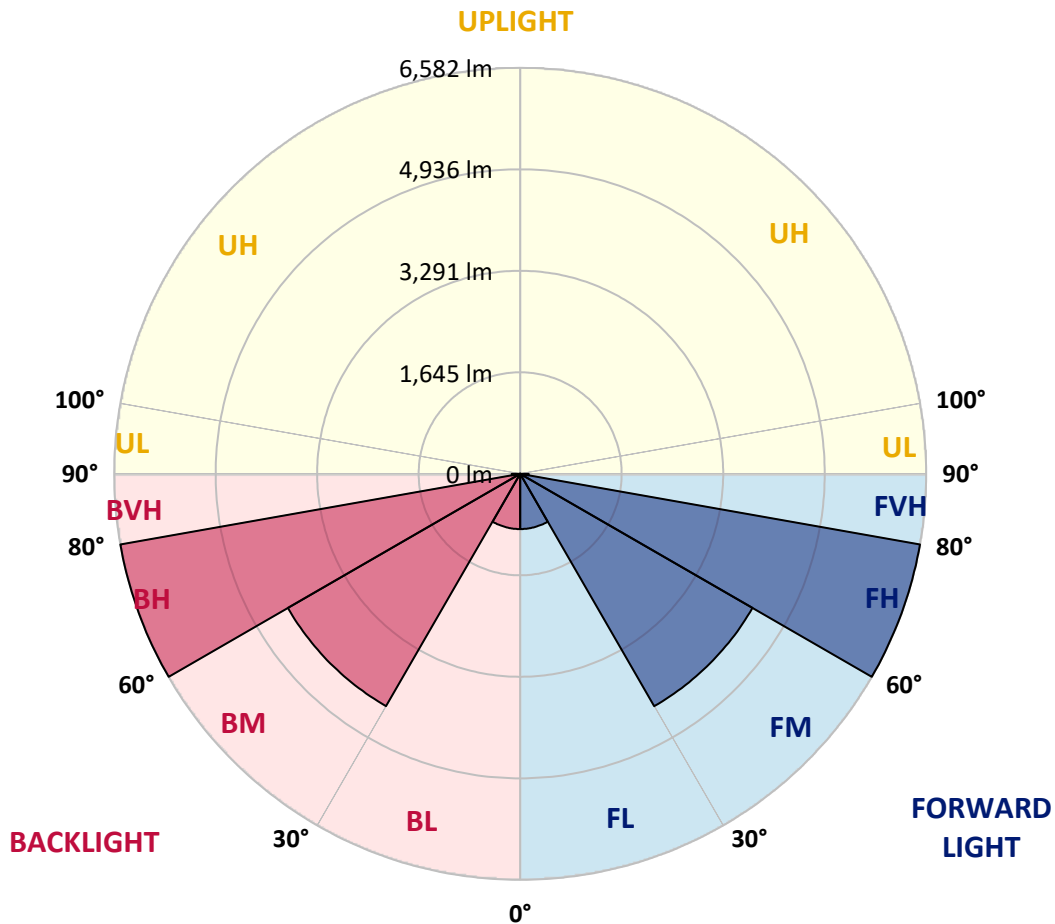
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	895.6	3.7			
FM (30°-60°)	4348.9	18.2			
FH (60°-80°)	6581.7	27.5			G3/7500
FVH (80°-90°)	136.7	0.6			G2/225
BL (0°-30°)	895.6	3.7	B2/1000		
BM (30°-60°)	4348.9	18.2	B3/5000		
BH (60°-80°)	6581.7	27.5	B5		G3/7500
BVH (80°-90°)	136.7	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°	2182.5	2182.5	2182.5	2182.5	2182.5	2182.5	2182.5	2182.5	2182.5	2182.5
2.5°	2168.9	2175.1	2172.6	2167.6	2167.6	2163.9	2167.6	2170.1	2173.8	2176.3
5°	2140.3	2145.2	2144.0	2140.3	2141.5	2137.8	2140.3	2144.0	2146.5	2147.7
7.5°	2115.4	2120.4	2117.9	2111.6	2111.6	2107.9	2109.2	2112.9	2116.6	2117.9
10°	2109.2	2114.1	2106.7	2096.7	2093.0	2088.0	2089.3	2093.0	2100.5	2104.2
12.5°	2111.6	2115.4	2107.9	2093.0	2089.3	2084.3	2084.3	2088.0	2098.0	2102.9
15°	2119.1	2122.8	2111.6	2095.5	2091.7	2088.0	2086.8	2091.7	2102.9	2111.6
17.5°	2132.8	2136.5	2119.1	2096.7	2091.7	2093.0	2091.7	2095.5	2112.9	2129.1
20°	2145.2	2147.7	2124.1	2096.7	2091.7	2093.0	2091.7	2099.2	2121.6	2144.0
22.5°	2149.0	2151.4	2129.1	2105.4	2101.7	2102.9	2101.7	2109.2	2130.3	2152.7
25°	2150.2	2153.9	2136.5	2117.9	2124.1	2126.6	2124.1	2125.3	2141.5	2161.4
27.5°	2168.9	2173.8	2157.7	2141.5	2145.2	2144.0	2147.7	2151.4	2163.9	2183.8
30°	2207.4	2211.1	2197.5	2181.3	2178.8	2170.1	2181.3	2193.7	2207.4	2224.8
32.5°	2270.8	2278.3	2260.9	2243.5	2232.3	2227.3	2236.0	2257.1	2275.8	2294.5
35°	2376.5	2381.5	2365.3	2333.0	2313.1	2313.1	2320.6	2347.9	2377.8	2401.4
37.5°	2525.8	2532.0	2503.4	2464.8	2435.0	2435.0	2444.9	2473.5	2518.3	2551.9
40°	2707.3	2716.0	2680.0	2640.2	2611.6	2606.6	2619.0	2651.4	2693.7	2735.9
42.5°	2926.2	2936.2	2888.9	2854.1	2831.7	2831.7	2837.9	2867.8	2906.3	2958.5
45°	3206.0	3223.4	3158.8	3123.9	3102.8	3107.8	3111.5	3137.6	3172.4	3232.1
47.5°	3539.3	3556.7	3488.3	3452.3	3448.5	3472.2	3457.2	3475.9	3494.5	3562.9
50°	3917.4	3947.2	3900.0	3897.5	3904.9	3948.5	3913.6	3923.6	3902.4	3946.0
52.5°	4380.0	4423.5	4414.8	4429.7	4513.1	4602.6	4523.0	4488.2	4408.6	4422.3
55°	4940.9	5006.8	5019.2	5108.7	5297.8	5480.6	5311.5	5170.9	5001.8	4970.7
57.5°	5578.8	5631.1	5690.8	5873.6	6226.7	6551.3	6226.7	5915.8	5649.7	5586.3
60°	6265.3	6330.0	6387.2	6657.0	7181.8	7638.2	7171.9	6678.2	6326.2	6240.4
62.5°	7002.8	7086.1	7125.9	7425.6	8037.4	8582.1	8046.1	7448.0	7057.5	6965.5
65°	7710.4	7778.8	7823.5	8143.1	8727.6	9273.6	8767.4	8178.0	7776.3	7655.7
67.5°	8039.9	8077.2	8186.7	8548.6	9165.4	9788.4	9269.9	8587.1	8138.2	7926.8
70°	7557.4	7481.5	7745.2	8324.7	9217.6	10104.3	9337.0	8307.3	7757.6	7414.4
72.5°	5840.0	5709.4	6167.1	7158.2	8620.7	9902.9	8680.4	7214.2	6451.8	5755.4
75°	3177.4	3029.4	3661.2	4914.7	6874.7	8583.4	7032.6	5055.3	4076.5	3153.8
77.5°	896.6	840.7	1350.6	2377.8	4135.0	6026.5	4294.2	2430.0	1601.8	950.1
80°	274.8	266.1	360.6	716.3	1756.0	2886.4	1687.6	725.0	458.9	289.8
82.5°	162.9	149.2	179.1	261.2	447.7	906.6	435.3	272.4	218.9	146.7
85°	93.3	87.1	105.7	126.8	150.5	192.8	125.6	129.3	116.9	78.3
87.5°	38.6	34.8	41.0	39.8	34.8	44.8	33.6	39.8	47.3	31.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2182.5
2175.1
2147.7
2117.9
2104.2
2104.2
2112.9
2129.1
2145.2
2152.7
2160.1
2178.8
2221.1
2287.0
2392.7
2539.4
2722.3
2954.8
3229.7
3543.0
3919.9
4376.3
4922.2
5541.5
6165.8
6890.8
7596.0
7929.2
7496.5
5928.3
3359.0
1055.8
305.9
159.2
82.1
28.6
0.0

OF REPORT)