

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: P950080

Luminaire Tested: **GALN-SB4C-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950080  
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-SB4C-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

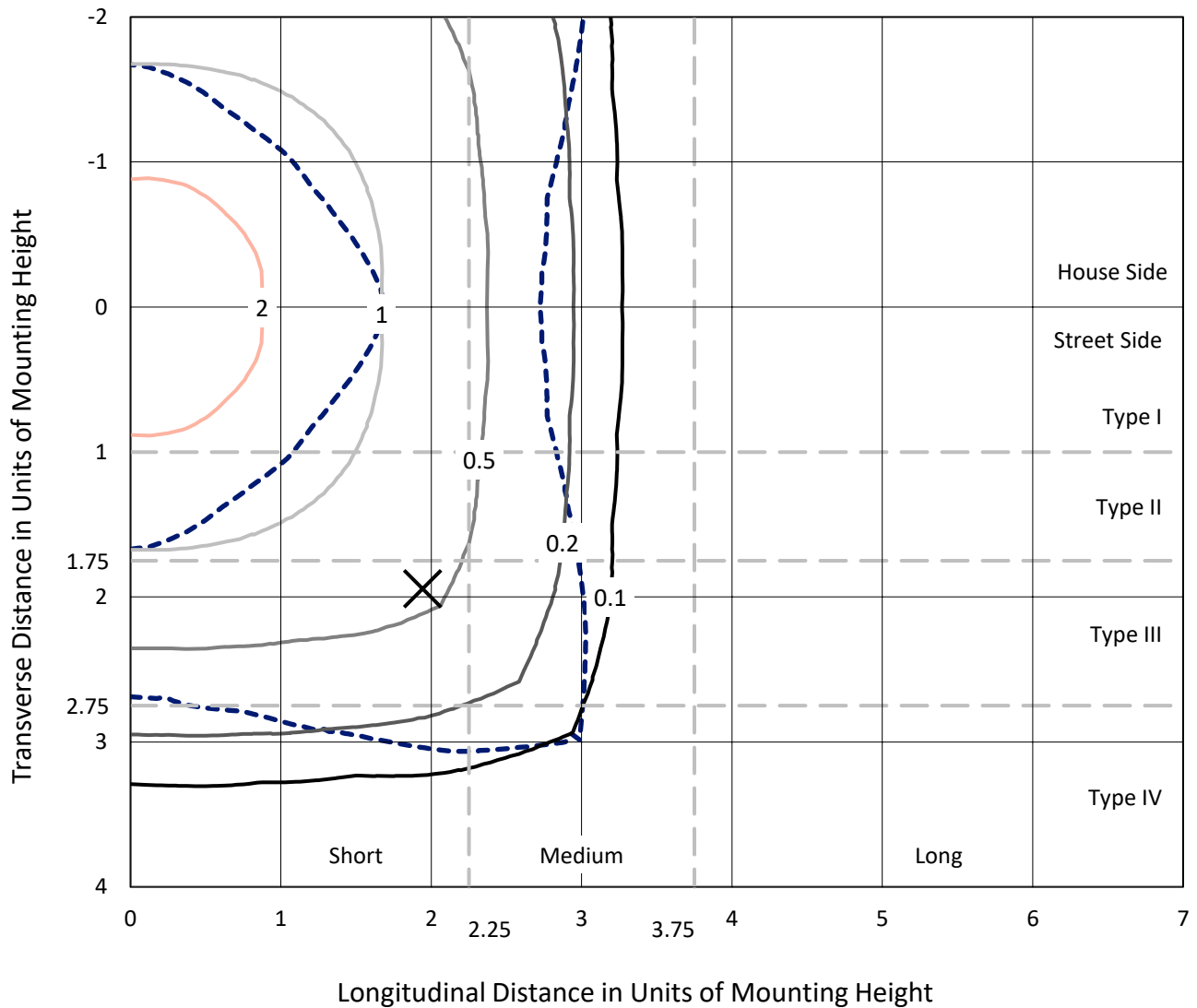
Lumens per Lamp: N/A  
Luminaire Lumens: 19133 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

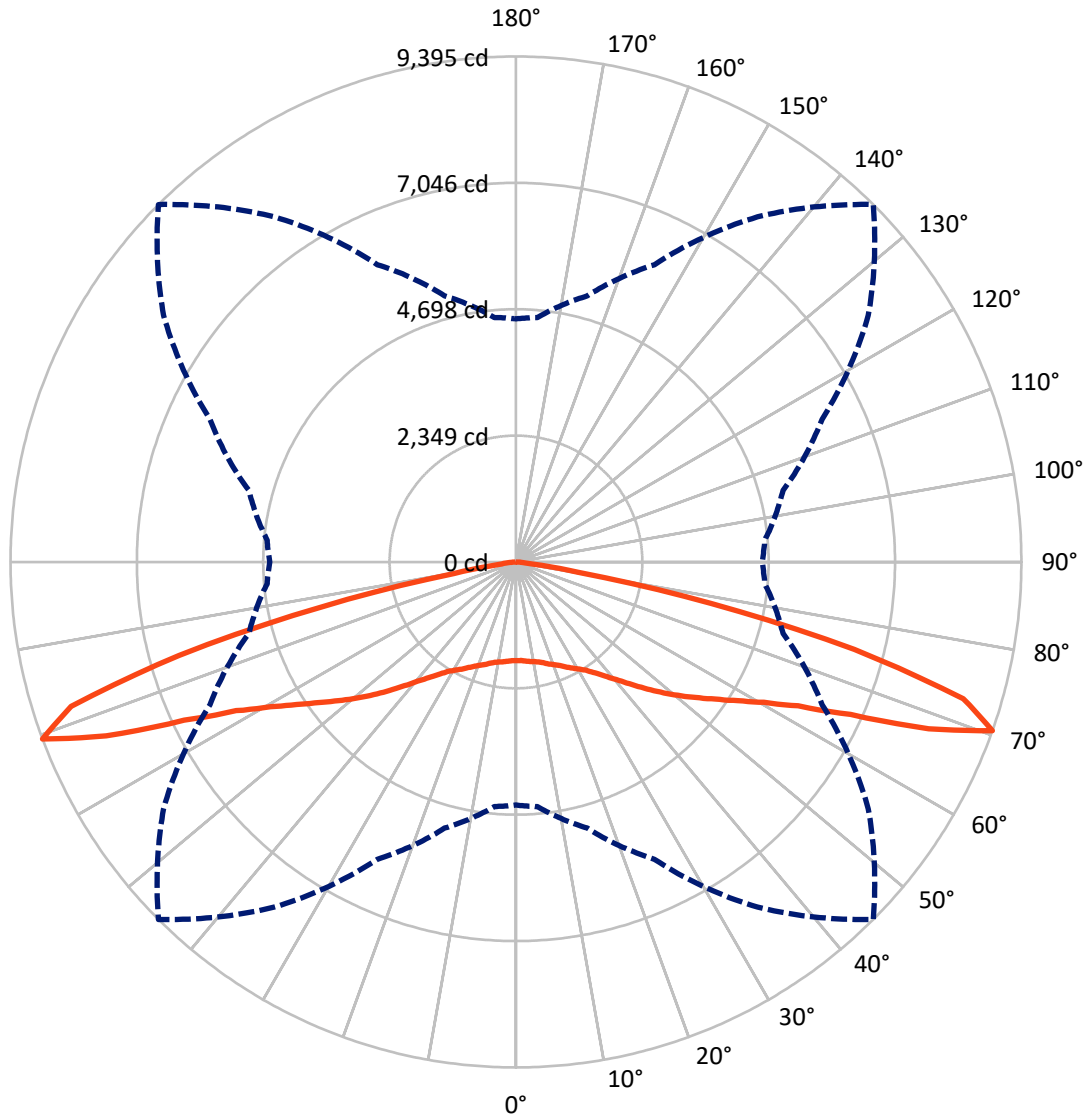
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	9566.5	0.0	9566.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9566.5	0.0	9566.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19133.0	0.0	19133.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.0	0.9
10°-20°	552.1	2.9
20°-30°	986.7	5.2
30°-40°	1599.4	8.4
40°-50°	2605.2	13.6
50°-60°	3972.0	20.8
60°-70°	5909.1	30.9
70°-80°	3220.7	16.8
80°-90°	109.7	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°	19133.0	100.0
0°-180°	19133.0	100.0



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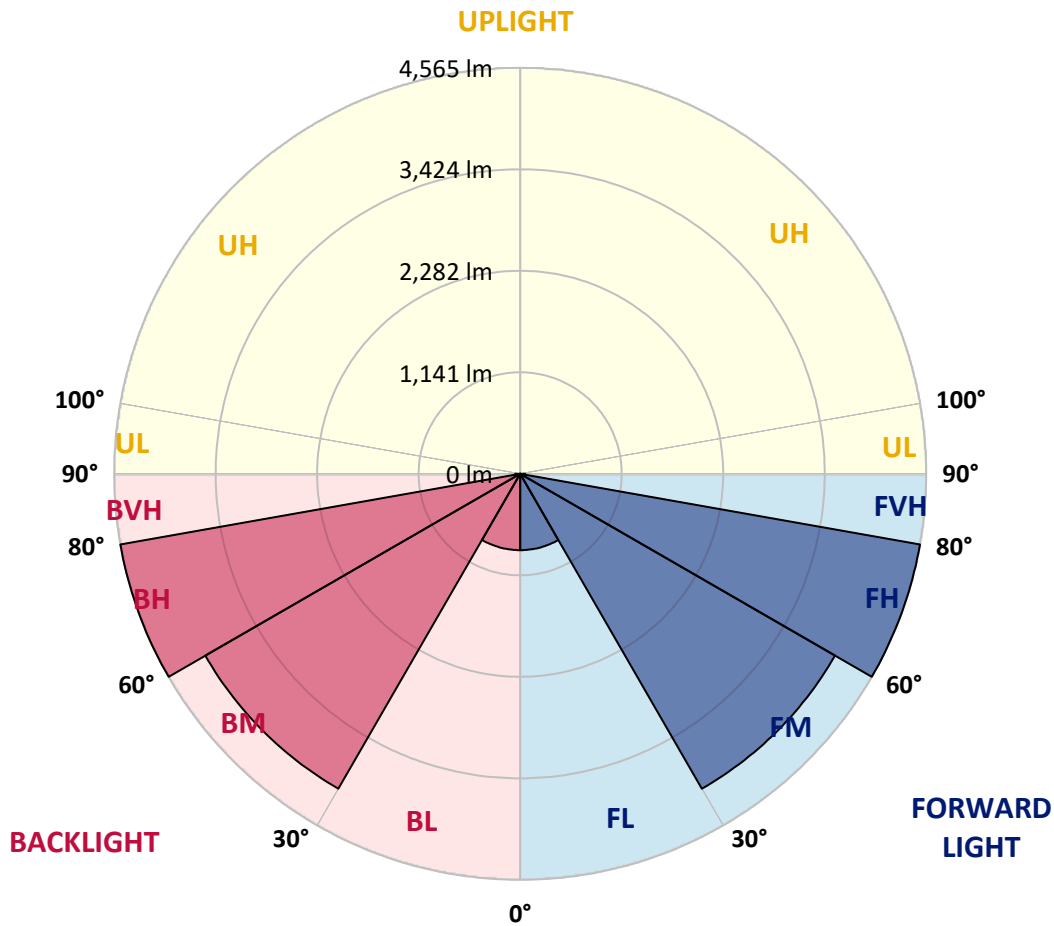
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	858.4	4.5			
FM (30°-60°)	4088.3	21.4			
FH (60°-80°)	4564.9	23.9			G2/5000
FVH (80°-90°)	54.8	0.3			G1/100
BL (0°-30°)	858.4	4.5	B2/1000		
BM (30°-60°)	4088.3	21.4	B3/5000		
BH (60°-80°)	4564.9	23.9	B4/5000		G2/5000
BVH (80°-90°)	54.8	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°	1832.7	1832.7	1832.7	1832.7	1832.7	1832.7	1832.7	1832.7	1832.7	1832.7
2.5°	1841.4	1843.3	1839.5	1837.5	1835.6	1832.7	1833.7	1838.5	1842.3	1841.4
5°	1856.8	1858.7	1855.8	1854.8	1851.0	1850.0	1850.0	1854.8	1857.7	1855.8
7.5°	1874.0	1876.9	1872.1	1871.2	1869.2	1867.3	1866.4	1871.2	1874.0	1874.0
10°	1890.4	1893.3	1889.4	1886.5	1884.6	1884.6	1882.7	1886.5	1891.3	1890.4
12.5°	1907.7	1909.6	1905.7	1903.8	1903.8	1906.7	1903.8	1905.7	1909.6	1907.7
15°	1928.8	1929.8	1928.8	1931.7	1936.5	1946.1	1937.4	1935.5	1937.4	1932.6
17.5°	1957.6	1959.5	1963.4	1970.1	1976.8	1994.1	1978.7	1973.9	1973.9	1964.3
20°	1993.2	1996.0	2001.8	2013.3	2022.0	2038.3	2022.9	2016.2	2013.3	2000.8
22.5°	2030.6	2035.4	2044.1	2059.4	2074.8	2090.2	2074.8	2063.3	2054.6	2038.3
25°	2073.8	2079.6	2093.1	2118.0	2139.2	2161.3	2143.0	2120.0	2102.7	2079.6
27.5°	2135.3	2142.0	2158.4	2189.1	2216.0	2235.2	2217.9	2188.1	2164.1	2136.3
30°	2221.8	2228.5	2247.7	2280.4	2298.6	2311.1	2299.6	2276.5	2247.7	2216.0
32.5°	2333.2	2341.8	2363.0	2393.7	2397.6	2399.5	2395.6	2384.1	2363.0	2324.5
35°	2474.4	2484.0	2508.0	2533.0	2529.1	2533.0	2527.2	2523.4	2508.0	2463.8
37.5°	2647.3	2658.8	2683.8	2703.0	2693.4	2688.6	2689.6	2690.5	2681.9	2632.9
40°	2848.1	2863.4	2881.7	2901.8	2885.5	2871.1	2880.7	2888.4	2880.7	2830.8
42.5°	3054.6	3076.7	3095.9	3124.7	3111.2	3093.0	3106.4	3115.1	3098.8	3045.0
45°	3284.1	3305.3	3330.3	3373.5	3363.9	3344.7	3363.9	3365.8	3337.9	3274.5
47.5°	3521.4	3543.5	3581.0	3638.6	3634.7	3613.6	3638.6	3625.1	3589.6	3513.7
50°	3746.2	3776.9	3834.5	3915.2	3922.9	3897.0	3930.6	3904.7	3845.1	3750.0
52.5°	3957.5	3990.2	4081.4	4190.9	4218.8	4185.1	4230.3	4185.1	4095.8	3973.8
55°	4179.4	4215.9	4324.4	4467.6	4523.3	4498.3	4540.6	4472.4	4345.6	4197.6
57.5°	4440.7	4462.7	4592.4	4762.4	4856.6	4862.3	4881.6	4766.3	4612.6	4444.5
60°	4724.0	4754.8	4896.0	5099.6	5248.5	5296.5	5276.3	5105.4	4926.7	4733.6
62.5°	5087.1	5120.7	5289.8	5533.8	5769.1	5888.2	5809.5	5561.6	5340.7	5109.2
65°	5387.8	5425.2	5730.7	6165.8	6594.2	6833.4	6635.5	6179.3	5781.6	5455.0
67.5°	5169.7	5215.8	5695.1	6494.3	7559.6	8273.3	7596.1	6592.3	5813.3	5370.5
70°	4518.5	4561.7	5120.7	6097.6	7831.4	9395.2	7994.7	6277.2	5139.0	4643.3
72.5°	2999.8	3139.1	3704.9	4876.7	6992.9	8694.0	7062.0	4777.8	3436.9	2993.1
75°	995.1	1106.6	1492.7	2528.2	4683.7	6502.0	4458.9	2237.1	1182.4	851.1
77.5°	250.7	289.1	398.6	723.3	1868.3	3702.0	1681.9	590.7	321.8	224.8
80°	122.0	134.5	192.1	241.1	467.8	1176.7	439.0	226.7	151.8	117.2
82.5°	67.2	68.2	108.5	136.4	173.9	304.5	180.6	132.6	87.4	71.1
85°	41.3	40.3	57.6	73.0	73.0	108.5	86.5	73.0	49.9	44.2
87.5°	16.3	16.3	21.1	23.1	20.2	27.9	22.1	24.0	19.2	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1832.7
1842.3
1856.8
1874.0
1890.4
1906.7
1932.6
1964.3
2000.8
2037.3
2078.6
2135.3
2216.0
2325.5
2463.8
2632.9
2830.8
3048.8
3281.3
3508.9
3748.1
3962.3
4177.5
4421.4
4702.9
5068.9
5401.2
5304.2
4577.1
2896.1
804.9
200.8
107.6
71.1
46.1
19.2
0.0

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