

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: P941220

Luminaire Tested: **GALN-SB4C-930-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941220
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-SB4C-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21120 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

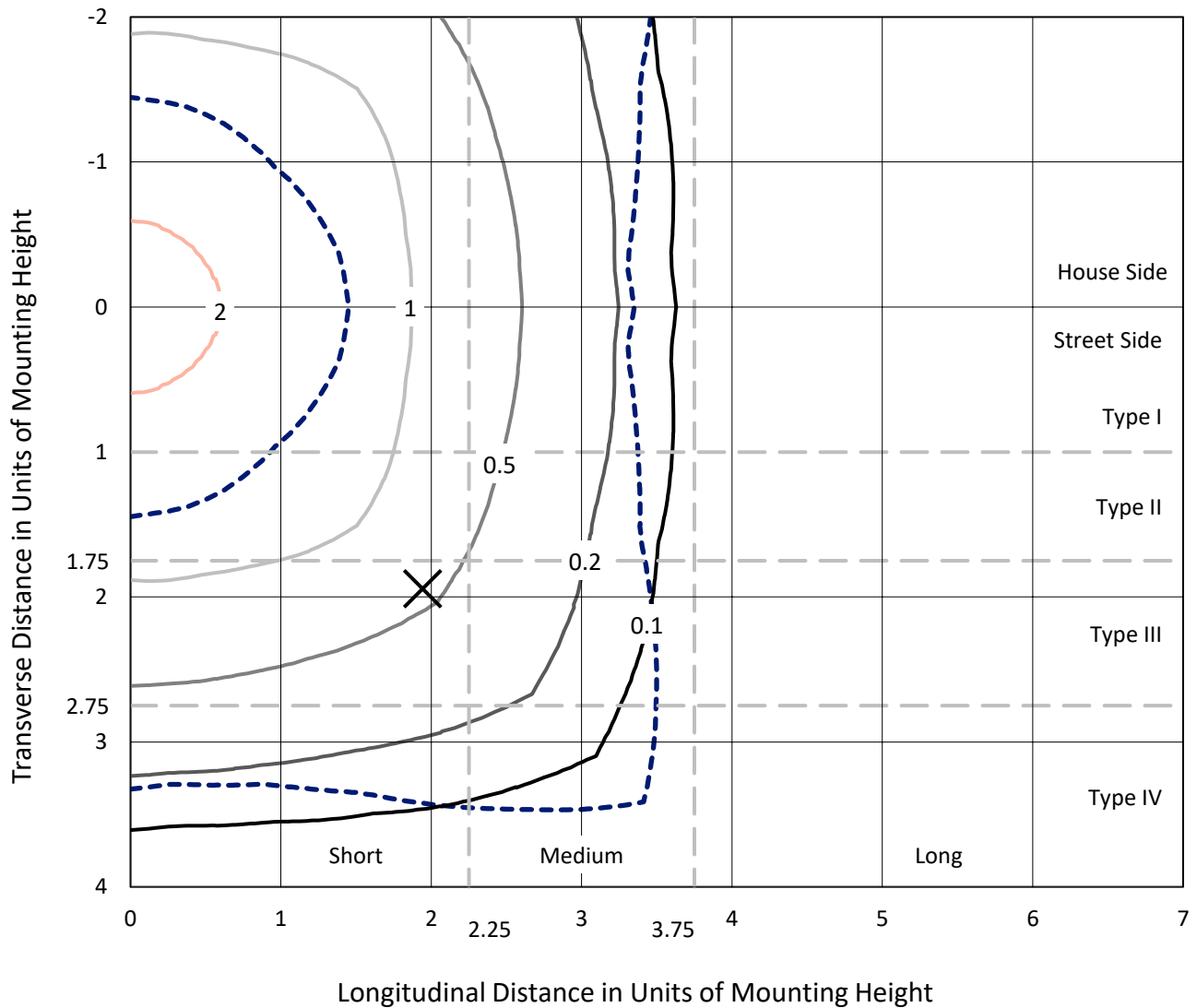
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

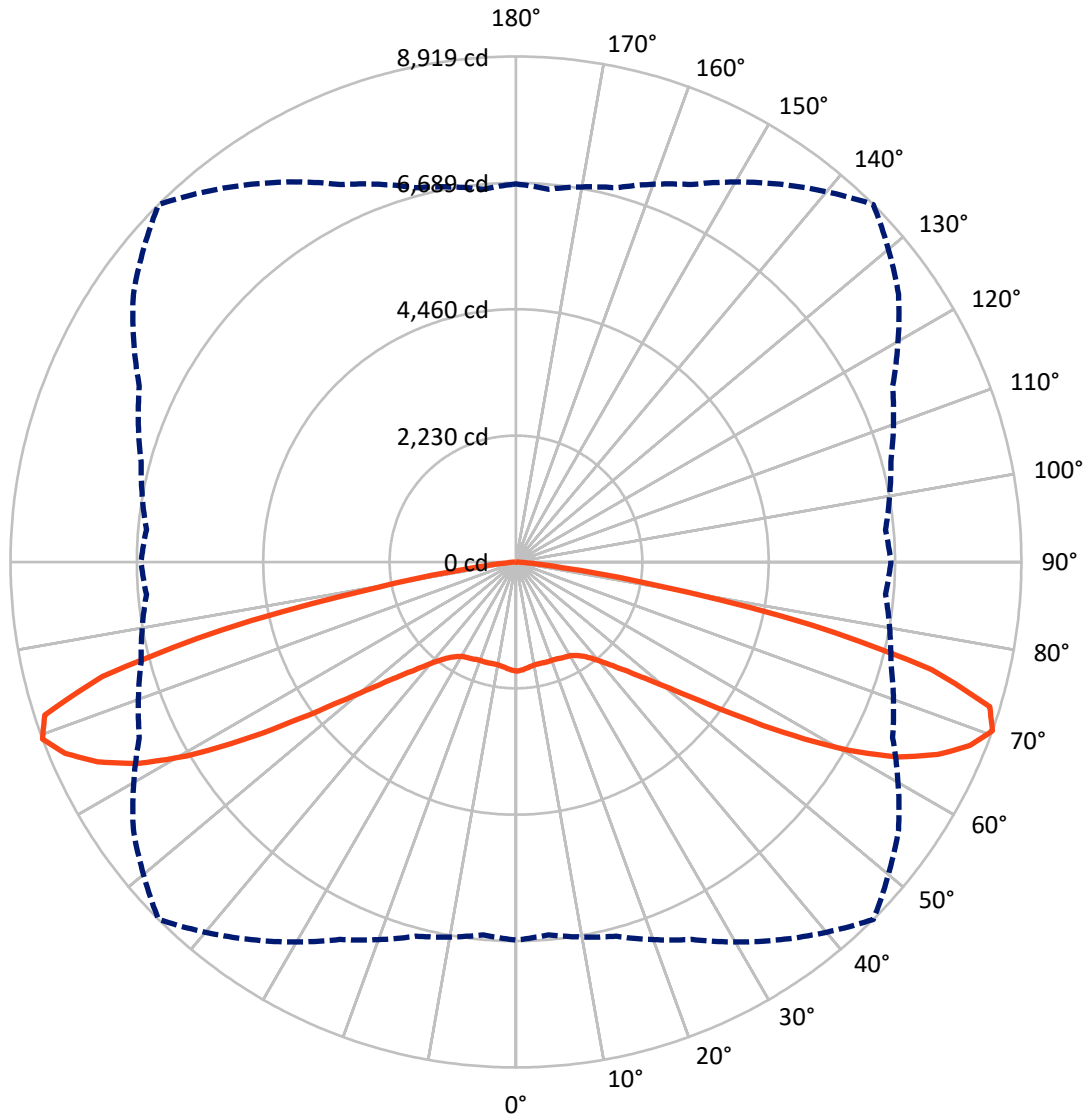
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	10560.0	0.0	10560.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10560.0	0.0	10560.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21120.0	0.0	21120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	0.8
10°-20°	526.2	2.5
20°-30°	875.7	4.1
30°-40°	1324.3	6.3
40°-50°	2200.7	10.4
50°-60°	4152.7	19.7
60°-70°	7012.0	33.2
70°-80°	4607.6	21.8
80°-90°	241.4	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°	21120.0	100.0
0°-180°	21120.0	100.0

Coefficient of Utilization



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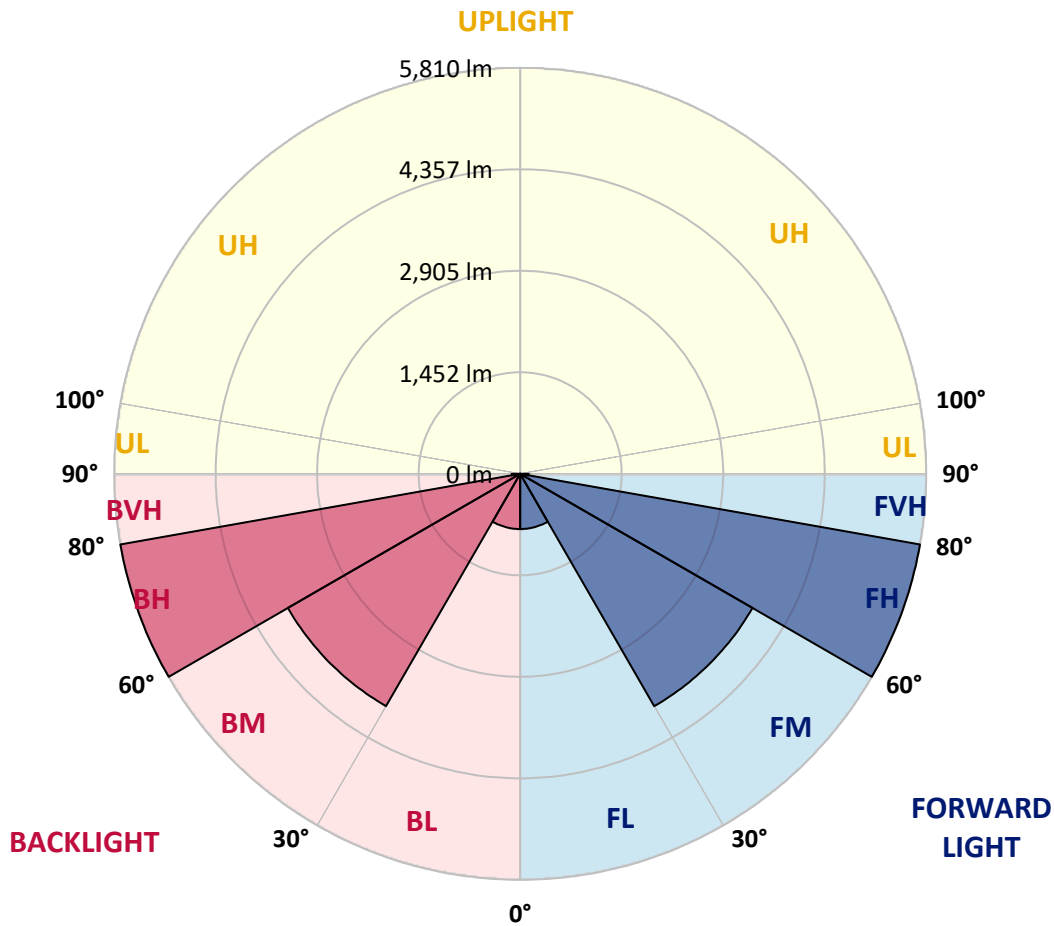
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	790.6	3.7			
FM (30°-60°)	3838.9	18.2			
FH (60°-80°)	5809.8	27.5			G3/7500
FVH (80°-90°)	120.7	0.6			G2/225
BL (0°-30°)	790.6	3.7	B2/1000		
BM (30°-60°)	3838.9	18.2	B3/5000		
BH (60°-80°)	5809.8	27.5	B5		G3/7500
BVH (80°-90°)	120.7	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°	1926.6	1926.6	1926.6	1926.6	1926.6	1926.6	1926.6	1926.6	1926.6	1926.6
2.5°	1914.5	1920.0	1917.8	1913.4	1913.4	1910.1	1913.4	1915.6	1918.9	1921.1
5°	1889.2	1893.6	1892.5	1889.2	1890.3	1887.0	1889.2	1892.5	1894.7	1895.8
7.5°	1867.3	1871.7	1869.5	1864.0	1864.0	1860.7	1861.8	1865.1	1868.4	1869.5
10°	1861.8	1866.2	1859.6	1850.8	1847.5	1843.1	1844.2	1847.5	1854.1	1857.4
12.5°	1864.0	1867.3	1860.7	1847.5	1844.2	1839.8	1839.8	1843.1	1851.9	1856.3
15°	1870.6	1873.9	1864.0	1849.7	1846.4	1843.1	1842.0	1846.4	1856.3	1864.0
17.5°	1882.7	1886.0	1870.6	1850.8	1846.4	1847.5	1846.4	1849.7	1865.1	1879.4
20°	1893.6	1895.8	1875.0	1850.8	1846.4	1847.5	1846.4	1853.0	1872.8	1892.5
22.5°	1896.9	1899.1	1879.4	1858.5	1855.2	1856.3	1855.2	1861.8	1880.5	1900.2
25°	1898.0	1901.3	1886.0	1869.5	1875.0	1877.2	1875.0	1876.1	1890.3	1907.9
27.5°	1914.5	1918.9	1904.6	1890.3	1893.6	1892.5	1895.8	1899.1	1910.1	1927.7
30°	1948.5	1951.8	1939.7	1925.5	1923.3	1915.6	1925.5	1936.4	1948.5	1963.9
32.5°	2004.5	2011.1	1995.7	1980.4	1970.5	1966.1	1973.8	1992.4	2008.9	2025.4
35°	2097.8	2102.2	2087.9	2059.4	2041.8	2041.8	2048.4	2072.6	2098.9	2119.8
37.5°	2229.6	2235.0	2209.8	2175.8	2149.4	2149.4	2158.2	2183.4	2223.0	2252.6
40°	2389.8	2397.5	2365.7	2330.5	2305.3	2300.9	2311.9	2340.4	2377.7	2415.1
42.5°	2583.0	2591.8	2550.1	2519.4	2499.6	2499.6	2505.1	2531.4	2565.5	2611.6
45°	2830.0	2845.4	2788.3	2757.6	2738.9	2743.3	2746.6	2769.6	2800.4	2853.1
47.5°	3124.2	3139.6	3079.2	3047.4	3044.1	3064.9	3051.8	3068.2	3084.7	3145.1
50°	3457.9	3484.3	3442.6	3440.4	3447.0	3485.4	3454.7	3463.4	3444.8	3483.2
52.5°	3866.3	3904.7	3897.0	3910.2	3983.8	4062.8	3992.6	3961.8	3891.6	3903.6
55°	4361.4	4419.6	4430.6	4509.6	4676.5	4837.8	4688.5	4564.5	4415.2	4387.7
57.5°	4924.6	4970.7	5023.4	5184.7	5496.5	5783.0	5496.5	5222.0	4987.1	4931.1
60°	5530.5	5587.6	5638.1	5876.3	6339.6	6742.4	6330.8	5895.0	5584.3	5508.6
62.5°	6181.5	6255.0	6290.2	6554.7	7094.8	7575.6	7102.5	6574.5	6229.8	6148.6
65°	6806.1	6866.5	6906.0	7188.1	7704.1	8186.0	7739.2	7218.9	6864.3	6757.8
67.5°	7097.0	7130.0	7226.6	7546.0	8090.5	8640.5	8182.7	7580.0	7183.7	6997.1
70°	6671.1	6604.1	6836.9	7348.4	8136.6	8919.3	8242.0	7333.0	6847.8	6544.8
72.5°	5155.1	5039.8	5443.8	6318.7	7609.7	8741.5	7662.4	6368.1	5695.2	5080.4
75°	2804.8	2674.1	3231.8	4338.3	6068.4	7576.7	6207.8	4462.4	3598.5	2783.9
77.5°	791.5	742.1	1192.2	2098.9	3650.1	5319.7	3790.6	2145.0	1413.9	838.7
80°	242.6	234.9	318.4	632.3	1550.0	2547.9	1489.7	640.0	405.1	255.8
82.5°	143.8	131.7	158.1	230.5	395.2	800.3	384.2	240.4	193.2	129.5
85°	82.3	76.8	93.3	112.0	132.8	170.2	110.9	114.2	103.2	69.2
87.5°	34.0	30.7	36.2	35.1	30.7	39.5	29.6	35.1	41.7	27.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1926.6
1920.0
1895.8
1869.5
1857.4
1857.4
1865.1
1879.4
1893.6
1900.2
1906.8
1923.3
1960.6
2018.8
2112.1
2241.6
2403.0
2608.3
2850.9
3127.5
3460.1
3863.0
4344.9
4891.6
5442.7
6082.7
6705.1
6999.3
6617.3
5233.0
2965.1
932.0
270.0
140.5
72.5
25.2
0.0

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