

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: P940420

Luminaire Tested: **GALN-SB3C-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940420
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-SB3C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21082 lumens
Efficiency: N/A
Efficacy: 141.4 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): 149.1
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

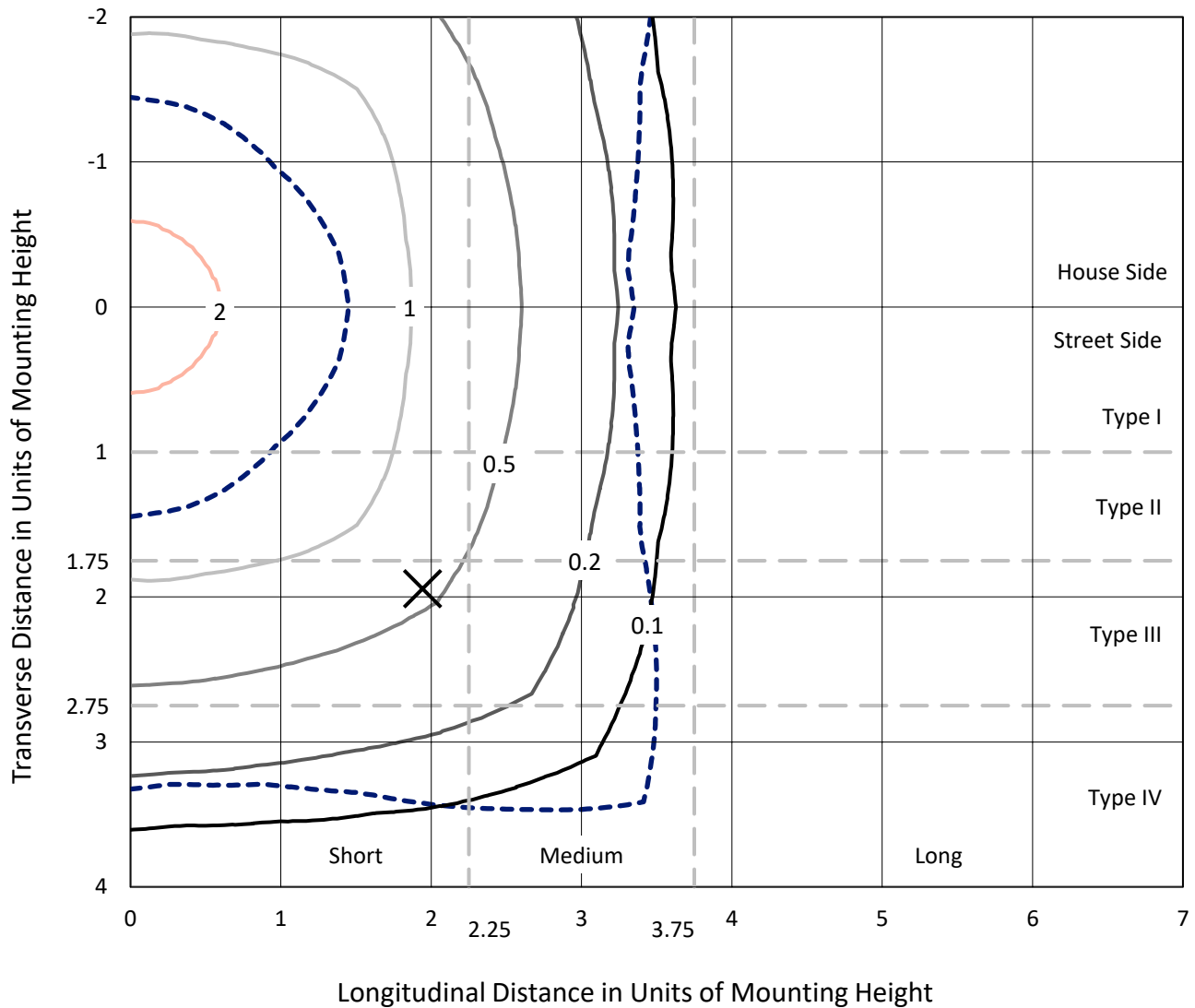


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

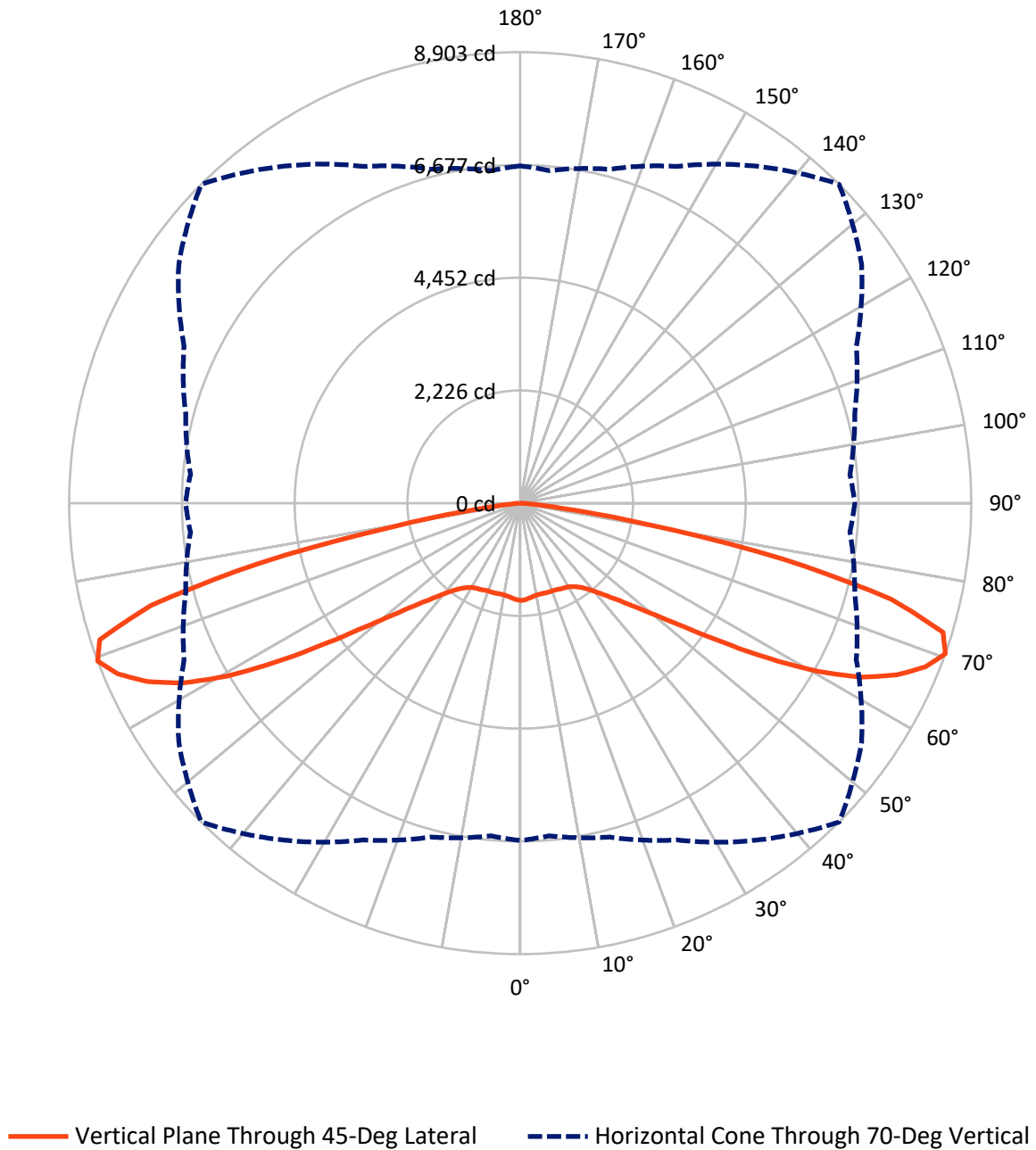


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10541.0	0.0	10541.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10541.0	0.0	10541.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21082.0	0.0	21082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	0.8
10°-20°	525.3	2.5
20°-30°	874.1	4.1
30°-40°	1322.0	6.3
40°-50°	2196.8	10.4
50°-60°	4145.2	19.7
60°-70°	6999.4	33.2
70°-80°	4599.3	21.8
80°-90°	241.0	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°	21082.0	100.0
0°-180°	21082.0	100.0

Coefficient of Utilization



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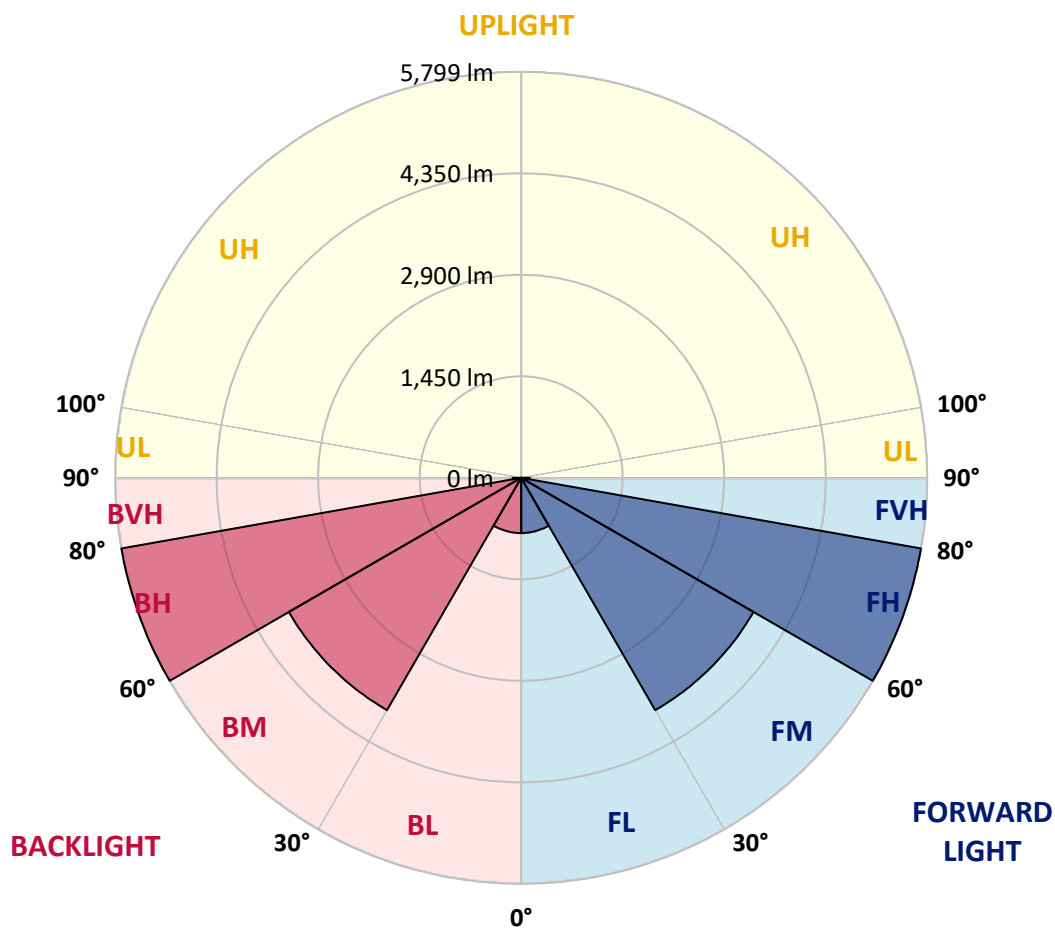
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	789.2	3.7			
FM	(30°-60°)	3832.0	18.2			
FH	(60°-80°)	5799.4	27.5			G3/7500
FVH	(80°-90°)	120.5	0.6			G2/225
BL	(0°-30°)	789.2	3.7	B2/1000		
BM	(30°-60°)	3832.0	18.2	B3/5000		
BH	(60°-80°)	5799.4	27.5	B5		G3/7500
BVH	(80°-90°)	120.5	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°	90°
0°	1923.1	1923.1	1923.1	1923.1	1923.1	1923.1	1923.1	1923.1	1923.1	1923.1	1923.1
2.5°	1911.0	1916.5	1914.3	1910.0	1910.0	1906.7	1910.0	1912.1	1915.4	1917.6	1916.5
5°	1885.8	1890.2	1889.1	1885.8	1886.9	1883.7	1885.8	1889.1	1891.3	1892.4	1892.4
7.5°	1863.9	1868.3	1866.1	1860.6	1860.6	1857.4	1858.5	1861.7	1865.0	1866.1	1866.1
10°	1858.5	1862.8	1856.3	1847.5	1844.2	1839.8	1840.9	1844.2	1850.8	1854.1	1854.1
12.5°	1860.6	1863.9	1857.4	1844.2	1840.9	1836.5	1836.5	1839.8	1848.6	1853.0	1854.1
15°	1867.2	1870.5	1860.6	1846.4	1843.1	1839.8	1838.7	1843.1	1853.0	1860.6	1861.7
17.5°	1879.3	1882.6	1867.2	1847.5	1843.1	1844.2	1843.1	1846.4	1861.7	1876.0	1876.0
20°	1890.2	1892.4	1871.6	1847.5	1843.1	1844.2	1843.1	1849.7	1869.4	1889.1	1890.2
22.5°	1893.5	1895.7	1876.0	1855.2	1851.9	1853.0	1851.9	1858.5	1877.1	1896.8	1896.8
25°	1894.6	1897.9	1882.6	1866.1	1871.6	1873.8	1871.6	1872.7	1886.9	1904.5	1903.4
27.5°	1911.0	1915.4	1901.2	1886.9	1890.2	1889.1	1892.4	1895.7	1906.7	1924.2	1919.8
30°	1945.0	1948.3	1936.3	1922.0	1919.8	1912.1	1922.0	1933.0	1945.0	1960.4	1957.1
32.5°	2000.9	2007.5	1992.1	1976.8	1966.9	1962.6	1970.2	1988.8	2005.3	2021.7	2015.1
35°	2094.0	2098.4	2084.2	2055.7	2038.2	2038.2	2044.7	2068.8	2095.1	2116.0	2108.3
37.5°	2225.5	2231.0	2205.8	2171.8	2145.5	2145.5	2154.3	2179.5	2219.0	2248.6	2237.6
40°	2385.5	2393.2	2361.4	2326.4	2301.1	2296.8	2307.7	2336.2	2373.5	2410.7	2398.7
42.5°	2578.4	2587.1	2545.5	2514.8	2495.1	2495.1	2500.6	2526.9	2560.8	2606.9	2603.6
45°	2824.9	2840.3	2783.3	2752.6	2734.0	2738.4	2741.7	2764.7	2795.3	2847.9	2845.8
47.5°	3118.6	3133.9	3073.7	3041.9	3038.6	3059.4	3046.3	3062.7	3079.2	3139.4	3121.9
50°	3451.7	3478.0	3436.4	3434.2	3440.8	3479.1	3448.4	3457.2	3438.6	3476.9	3453.9
52.5°	3859.4	3897.7	3890.0	3903.2	3976.6	4055.5	3985.4	3954.7	3884.6	3896.6	3856.1
55°	4353.6	4411.6	4422.6	4501.5	4668.0	4829.1	4680.1	4556.3	4407.2	4379.9	4337.1
57.5°	4915.7	4961.7	5014.3	5175.4	5486.6	5772.6	5486.6	5212.6	4978.2	4922.3	4882.8
60°	5520.6	5577.5	5628.0	5865.7	6328.2	6730.3	6319.4	5884.4	5574.3	5498.6	5432.9
62.5°	6170.4	6243.8	6278.8	6542.9	7082.1	7562.0	7089.7	6562.7	6218.6	6137.5	6071.7
65°	6793.9	6854.1	6893.6	7175.2	7690.2	8171.3	7725.3	7205.9	6851.9	6745.7	6693.1
67.5°	7084.3	7117.1	7213.6	7532.4	8075.9	8624.9	8168.0	7566.4	7170.8	6984.5	6986.7
70°	6659.1	6592.2	6824.5	7335.2	8122.0	8903.3	8227.2	7319.8	6835.5	6533.1	6605.4
72.5°	5145.8	5030.7	5434.0	6307.3	7596.0	8725.7	7648.6	6356.6	5684.9	5071.3	5223.6
75°	2799.7	2669.3	3226.0	4330.5	6057.5	7563.1	6196.7	4454.4	3592.0	2778.9	2959.7
77.5°	790.1	740.8	1190.0	2095.1	3643.5	5310.2	3783.7	2141.2	1411.4	837.2	930.3
80°	242.2	234.5	317.8	631.2	1547.2	2543.3	1487.0	638.8	404.3	255.3	269.6
82.5°	143.5	131.5	157.8	230.1	394.5	798.8	383.5	240.0	192.9	129.3	140.3
85°	82.2	76.7	93.1	111.8	132.6	169.8	110.7	114.0	103.0	69.0	72.3
87.5°	34.0	30.7	36.2	35.1	30.7	39.4	29.6	35.1	41.6	27.4	25.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)