

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: P948400

Luminaire Tested: **GALN-SB3C-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948400
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-SB3C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

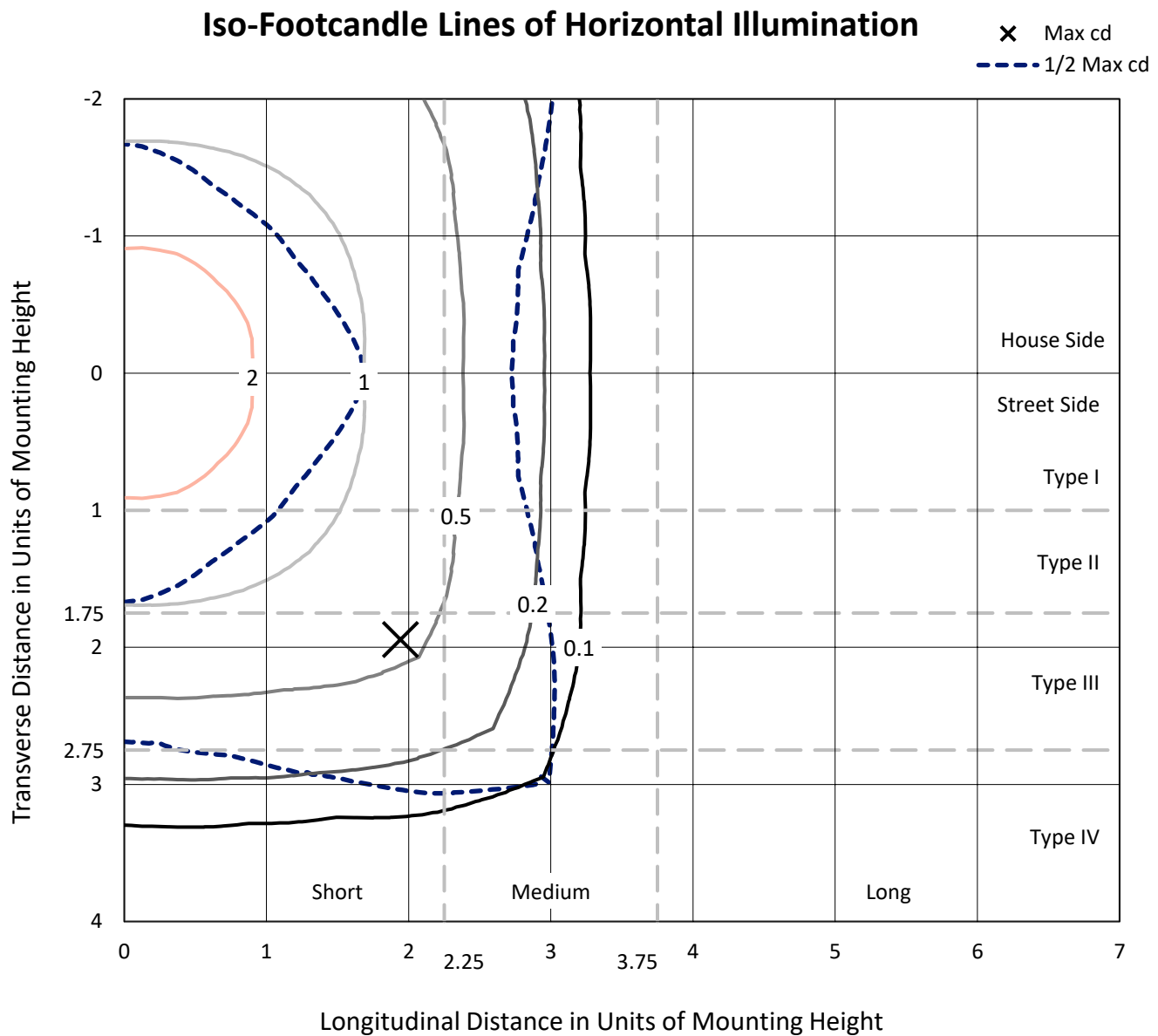
Lumens per Lamp: N/A
Luminaire Lumens: 19439 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 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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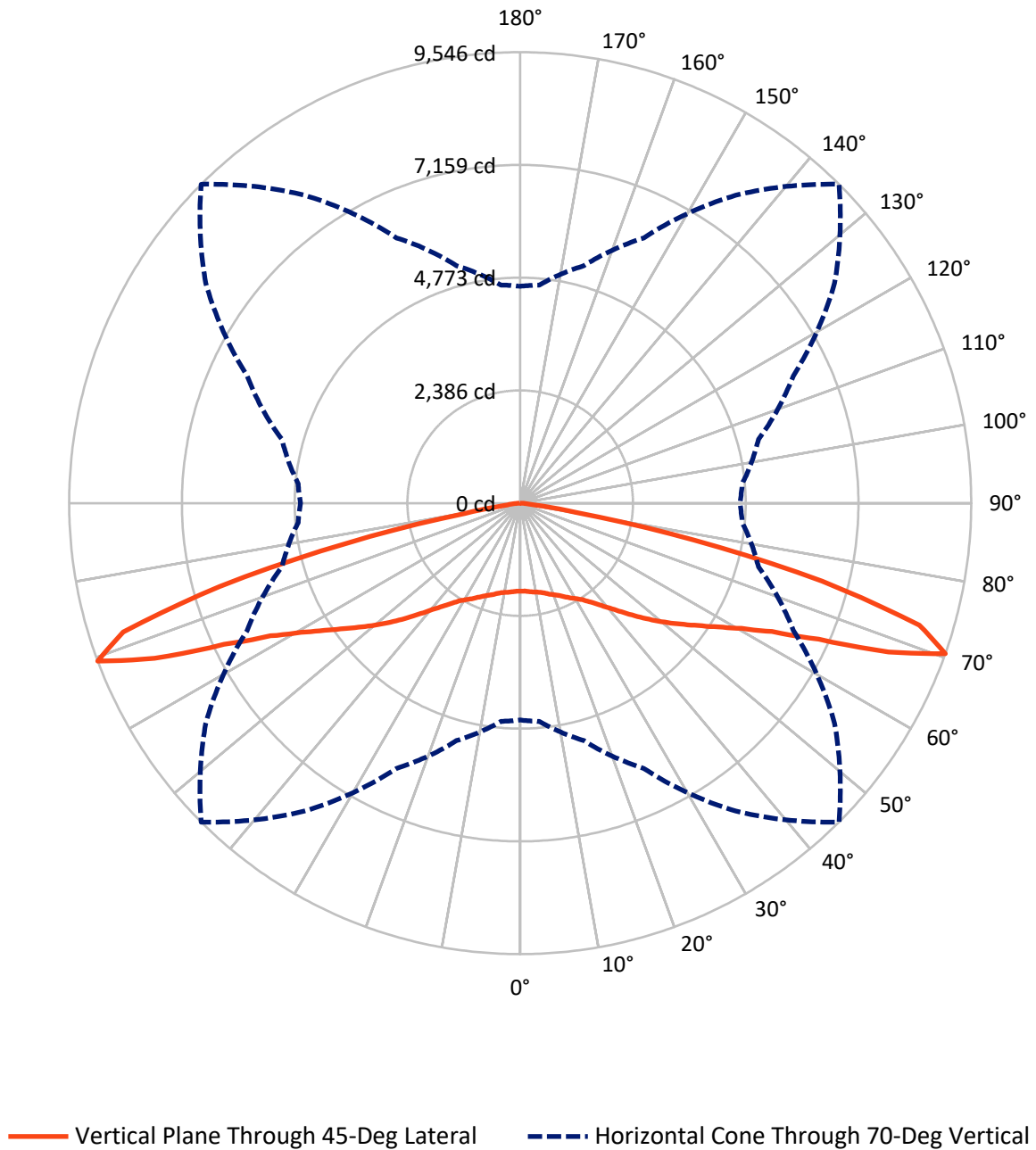


Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9719.5	0.0	9719.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9719.5	0.0	9719.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19439.0	0.0	19439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	0.9
10°-20°	560.9	2.9
20°-30°	1002.5	5.2
30°-40°	1625.0	8.4
40°-50°	2646.9	13.6
50°-60°	4035.6	20.8
60°-70°	6003.6	30.9
70°-80°	3272.2	16.8
80°-90°	111.4	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°	19439.0	100.0
0°-180°	19439.0	100.0

Coefficient of Utilization



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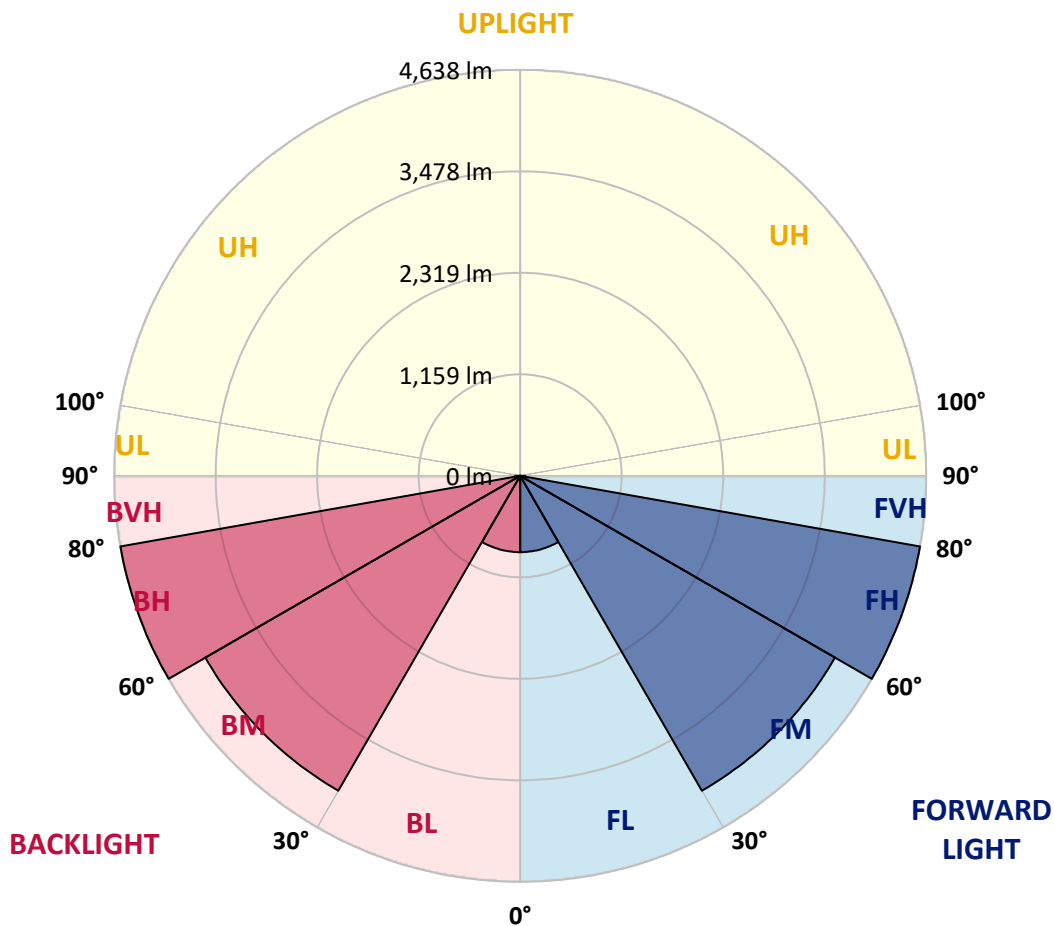
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	872.2	4.5			
FM	(30°-60°)	4153.7	21.4			
FH	(60°-80°)	4637.9	23.9			G2/5000
FVH	(80°-90°)	55.7	0.3			G1/100
BL	(0°-30°)	872.2	4.5	B2/1000		
BM	(30°-60°)	4153.7	21.4	B3/5000		
BH	(60°-80°)	4637.9	23.9	B4/5000		G2/5000
BVH	(80°-90°)	55.7	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°	90°
0°	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1
2.5°	1870.8	1872.8	1868.9	1866.9	1865.0	1862.1	1863.0	1867.9	1871.8	1870.8	1871.8
5°	1886.5	1888.4	1885.5	1884.5	1880.6	1879.6	1879.6	1884.5	1887.4	1885.5	1886.5
7.5°	1904.0	1906.9	1902.1	1901.1	1899.1	1897.2	1896.2	1901.1	1904.0	1904.0	1904.0
10°	1920.6	1923.5	1919.6	1916.7	1914.8	1914.8	1912.8	1916.7	1921.6	1920.6	1920.6
12.5°	1938.2	1940.1	1936.2	1934.3	1934.3	1937.2	1934.3	1936.2	1940.1	1938.2	1937.2
15°	1959.6	1960.6	1959.6	1962.6	1967.5	1977.2	1968.4	1966.5	1968.4	1963.6	1963.6
17.5°	1988.9	1990.9	1994.8	2001.6	2008.4	2026.0	2010.4	2005.5	2005.5	1995.8	1995.8
20°	2025.0	2028.0	2033.8	2045.5	2054.3	2070.9	2055.3	2048.5	2045.5	2032.8	2032.8
22.5°	2063.1	2068.0	2076.8	2092.4	2108.0	2123.6	2108.0	2096.3	2087.5	2070.9	2069.9
25°	2107.0	2112.9	2126.5	2151.9	2173.4	2195.8	2177.3	2153.9	2136.3	2112.9	2111.9
27.5°	2169.5	2176.3	2192.9	2224.1	2251.4	2271.0	2253.4	2223.1	2198.7	2170.4	2169.5
30°	2257.3	2264.1	2283.7	2316.8	2335.4	2348.1	2336.4	2312.9	2283.7	2251.4	2251.4
32.5°	2370.5	2379.3	2400.8	2432.0	2435.9	2437.8	2433.9	2422.2	2400.8	2361.7	2362.7
35°	2514.0	2523.7	2548.1	2573.5	2569.6	2573.5	2567.6	2563.7	2548.1	2503.2	2503.2
37.5°	2689.6	2701.3	2726.7	2746.2	2736.5	2731.6	2732.6	2733.6	2724.8	2675.0	2675.0
40°	2893.6	2909.2	2927.8	2948.3	2931.7	2917.0	2926.8	2934.6	2926.8	2876.0	2876.0
42.5°	3103.4	3125.9	3145.4	3174.7	3161.0	3142.5	3156.1	3164.9	3148.3	3093.7	3097.6
45°	3336.7	3358.1	3383.5	3427.4	3417.7	3398.2	3417.7	3419.6	3391.3	3326.9	3333.7
47.5°	3577.7	3600.2	3638.2	3696.8	3692.9	3671.4	3696.8	3683.1	3647.0	3569.9	3565.0
50°	3806.1	3837.3	3895.9	3977.8	3985.7	3959.3	3993.5	3967.1	3906.6	3810.0	3808.0
52.5°	4020.8	4054.0	4146.7	4257.9	4286.2	4252.1	4298.0	4252.1	4161.3	4037.4	4025.7
55°	4246.2	4283.3	4393.6	4539.0	4595.6	4570.2	4613.2	4543.9	4415.1	4264.8	4244.3
57.5°	4511.7	4534.1	4665.9	4838.6	4934.3	4940.1	4959.6	4842.5	4686.4	4515.6	4492.2
60°	4799.6	4830.8	4974.3	5181.2	5332.4	5381.2	5360.7	5187.0	5005.5	4809.3	4778.1
62.5°	5168.5	5202.6	5374.4	5622.3	5861.4	5982.4	5902.4	5650.6	5426.1	5190.9	5149.9
65°	5473.9	5512.0	5822.3	6264.4	6699.7	6942.7	6741.7	6278.1	5874.1	5542.2	5487.6
67.5°	5252.4	5299.2	5786.2	6598.2	7680.5	8405.6	7717.6	6697.7	5906.3	5456.4	5389.0
70°	4590.7	4634.6	5202.6	6195.1	7956.7	9545.5	8122.6	6377.6	5221.2	4717.6	4650.3
72.5°	3047.8	3189.3	3764.1	4954.7	7104.7	8833.1	7175.0	4854.2	3491.8	3041.0	2942.4
75°	1011.1	1124.3	1516.6	2568.6	4758.6	6606.0	4530.2	2272.9	1201.4	864.7	817.8
77.5°	254.7	293.8	405.0	734.9	1898.2	3761.2	1708.8	600.2	326.9	228.4	204.0
80°	123.9	136.6	195.2	245.0	475.3	1195.5	446.0	230.3	154.2	119.1	109.3
82.5°	68.3	69.3	110.3	138.6	176.6	309.4	183.5	134.7	88.8	72.2	72.2
85°	42.0	41.0	58.6	74.2	74.2	110.3	87.8	74.2	50.7	44.9	46.8
87.5°	16.6	16.6	21.5	23.4	20.5	28.3	22.4	24.4	19.5	18.5	19.5
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)