

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: P945901

Luminaire Tested: **GALN-SB1D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945901
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-SB1D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8806 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 79.6
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

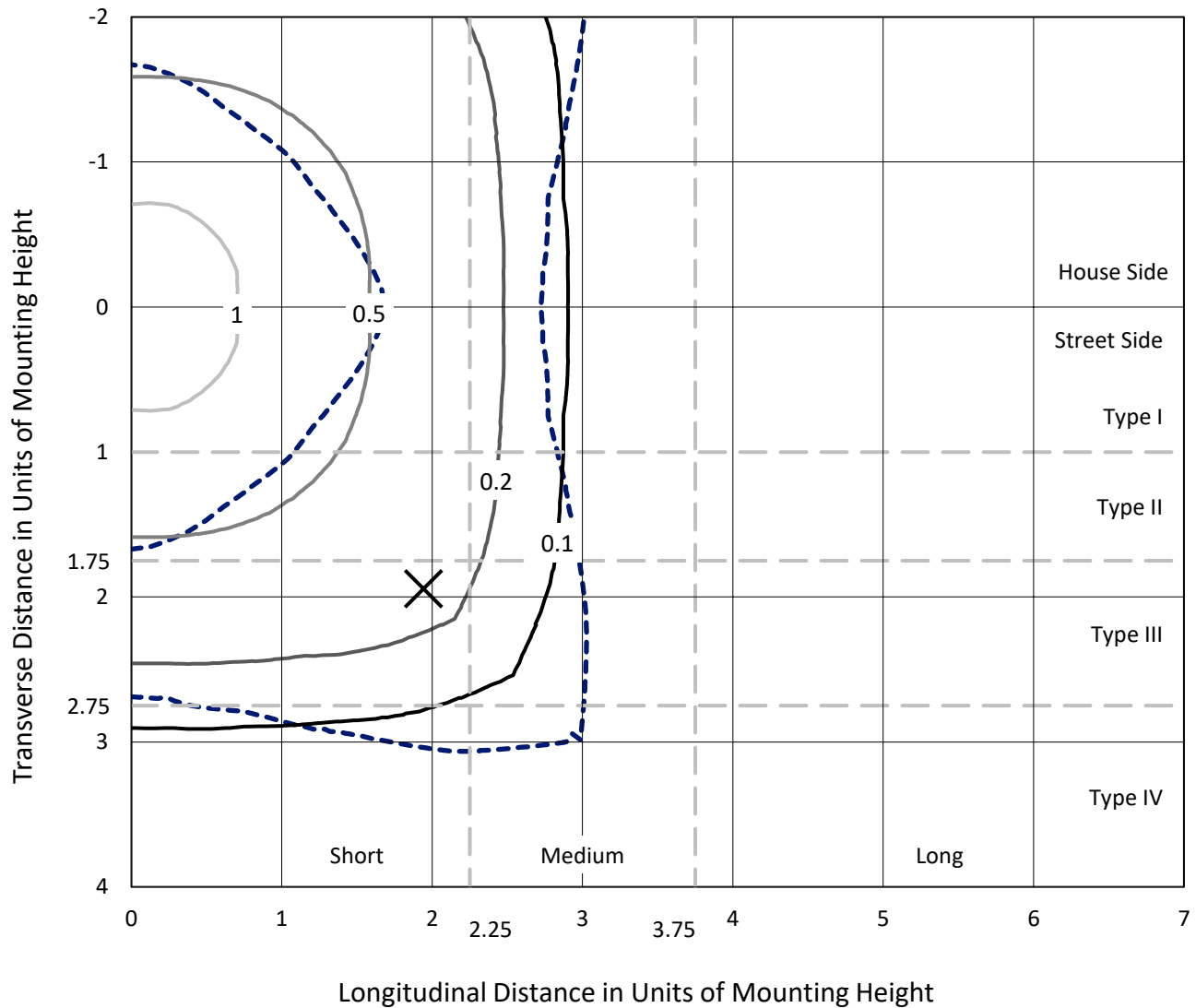


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

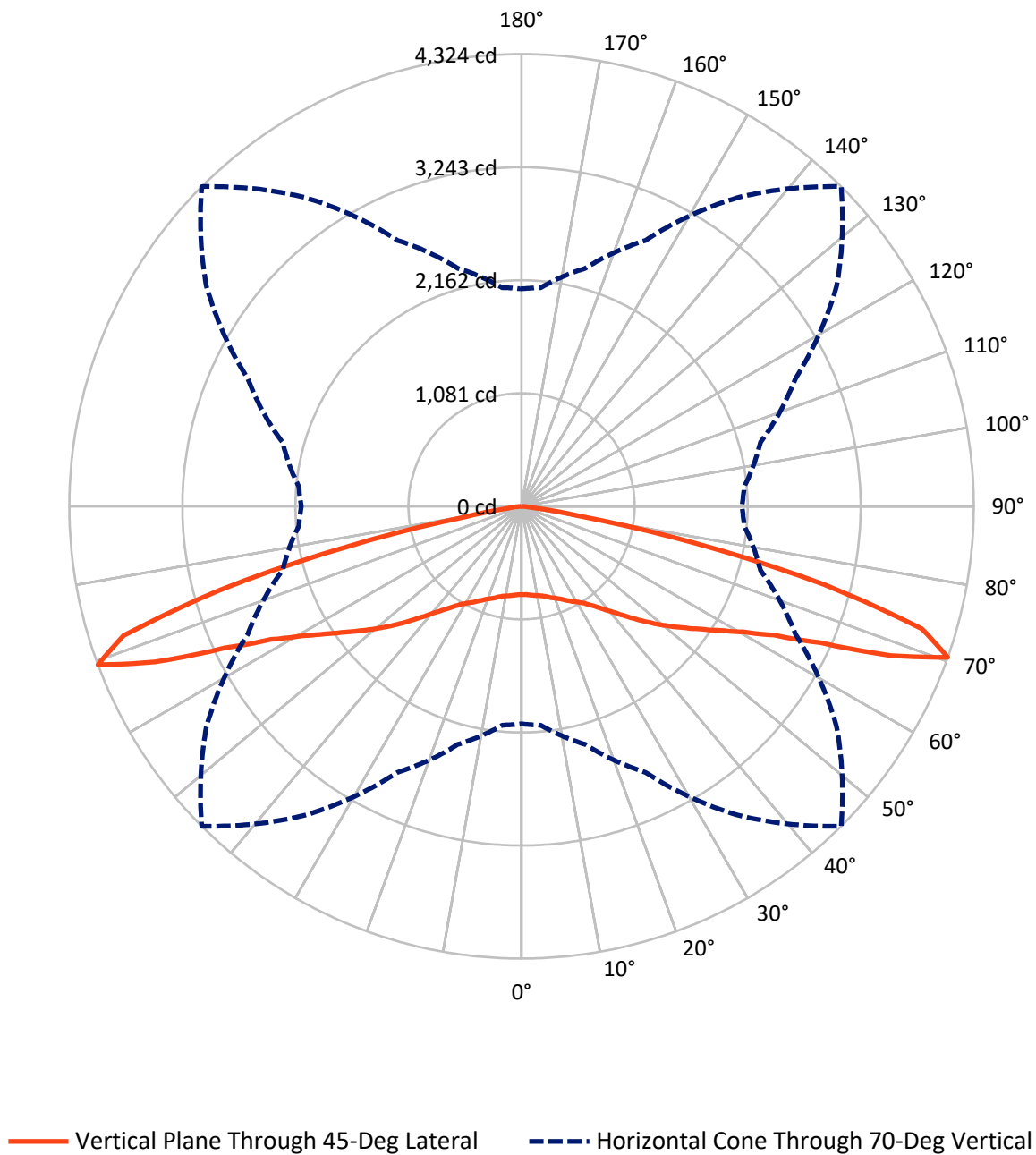


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4403.0	0.0	4403.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4403.0	0.0	4403.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8806.0	0.0	8806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	0.9
10°-20°	254.1	2.9
20°-30°	454.1	5.2
30°-40°	736.1	8.4
40°-50°	1199.0	13.6
50°-60°	1828.1	20.8
60°-70°	2719.7	30.9
70°-80°	1482.3	16.8
80°-90°	50.5	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°	8806.0	100.0
0°-180°	8806.0	100.0

Coefficient of Utilization



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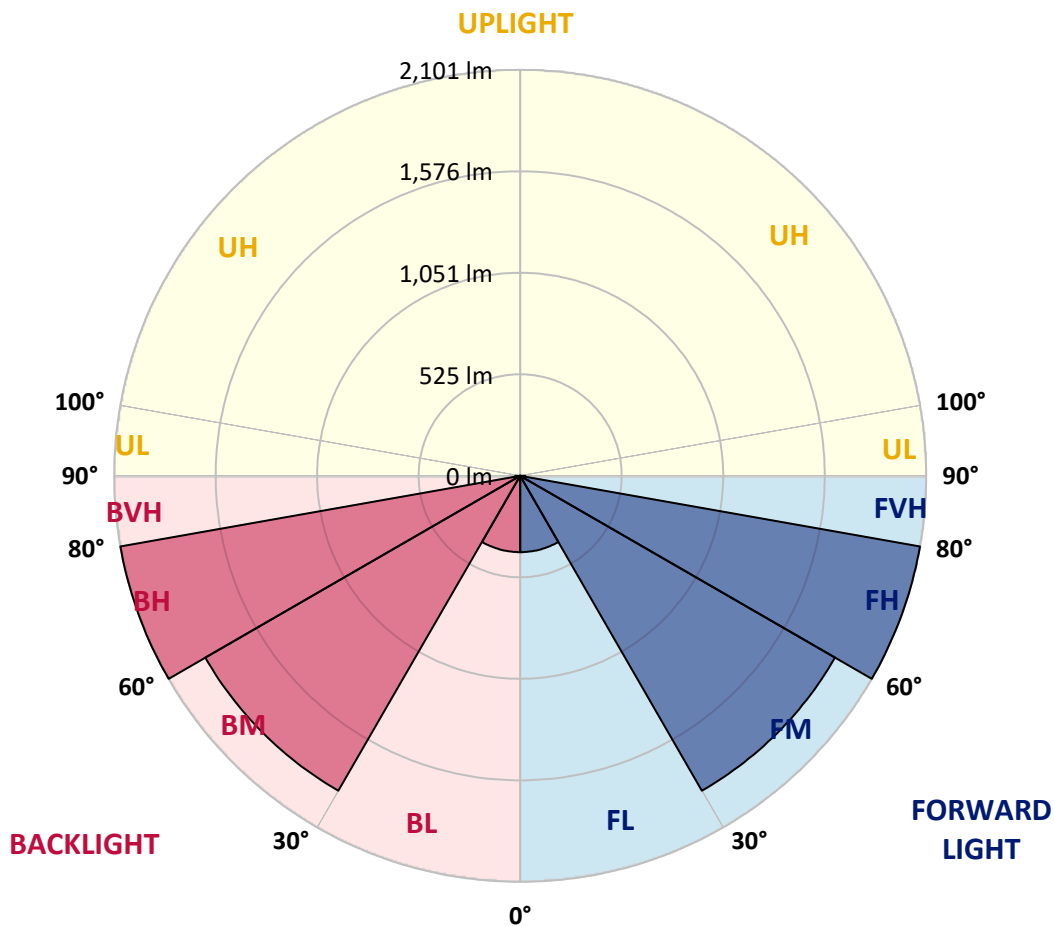
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	395.1	4.5			
FM	(30°-60°)	1881.7	21.4			
FH	(60°-80°)	2101.0	23.9			G2/5000
FVH	(80°-90°)	25.2	0.3			G1/100
BL	(0°-30°)	395.1	4.5	B1/500		
BM	(30°-60°)	1881.7	21.4	B2/2500		
BH	(60°-80°)	2101.0	23.9	B3/2500		G2/5000
BVH	(80°-90°)	25.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	843.5	843.5	843.5	843.5	843.5	843.5	843.5	843.5	843.5	843.5	843.5
2.5°	847.5	848.4	846.6	845.7	844.8	843.5	844.0	846.2	847.9	847.5	847.9
5°	854.6	855.5	854.1	853.7	851.9	851.5	851.5	853.7	855.0	854.1	854.6
7.5°	862.5	863.9	861.6	861.2	860.3	859.4	859.0	861.2	862.5	862.5	862.5
10°	870.0	871.4	869.6	868.3	867.4	867.4	866.5	868.3	870.5	870.0	870.0
12.5°	878.0	878.9	877.1	876.2	876.2	877.6	876.2	877.1	878.9	878.0	877.6
15°	887.7	888.2	887.7	889.1	891.3	895.7	891.7	890.8	891.7	889.5	889.5
17.5°	901.0	901.9	903.6	906.7	909.8	917.8	910.7	908.5	908.5	904.1	904.1
20°	917.4	918.7	921.3	926.6	930.6	938.1	931.1	928.0	926.6	920.9	920.9
22.5°	934.6	936.8	940.8	947.9	954.9	962.0	954.9	949.6	945.6	938.1	937.7
25°	954.5	957.1	963.3	974.8	984.6	994.7	986.3	975.7	967.8	957.1	956.7
27.5°	982.8	985.9	993.4	1007.5	1019.9	1028.8	1020.8	1007.1	996.0	983.2	982.8
30°	1022.6	1025.7	1034.5	1049.5	1057.9	1063.7	1058.4	1047.8	1034.5	1019.9	1019.9
32.5°	1073.9	1077.8	1087.6	1101.7	1103.5	1104.4	1102.6	1097.3	1087.6	1069.9	1070.3
35°	1138.8	1143.3	1154.3	1165.8	1164.0	1165.8	1163.2	1161.4	1154.3	1134.0	1134.0
37.5°	1218.4	1223.7	1235.2	1244.1	1239.6	1237.4	1237.9	1238.3	1234.3	1211.8	1211.8
40°	1310.8	1317.9	1326.3	1335.6	1328.1	1321.4	1325.9	1329.4	1325.9	1302.9	1302.9
42.5°	1405.9	1416.0	1424.9	1438.1	1432.0	1423.6	1429.7	1433.7	1426.2	1401.5	1403.2
45°	1511.5	1521.3	1532.8	1552.6	1548.2	1539.4	1548.2	1549.1	1536.3	1507.1	1510.2
47.5°	1620.7	1630.9	1648.1	1674.7	1672.9	1663.2	1674.7	1668.5	1652.1	1617.2	1615.0
50°	1724.2	1738.3	1764.9	1802.0	1805.5	1793.6	1809.1	1797.1	1769.7	1726.0	1725.1
52.5°	1821.4	1836.5	1878.5	1928.9	1941.7	1926.2	1947.0	1926.2	1885.1	1829.0	1823.7
55°	1923.6	1940.4	1990.3	2056.2	2081.8	2070.3	2089.8	2058.4	2000.1	1932.0	1922.7
57.5°	2043.8	2054.0	2113.7	2191.9	2235.2	2237.9	2246.7	2193.7	2123.0	2045.6	2035.0
60°	2174.2	2188.4	2253.4	2347.1	2415.6	2437.7	2428.4	2349.8	2267.5	2178.7	2164.5
62.5°	2341.4	2356.8	2434.6	2546.9	2655.2	2710.1	2673.8	2559.7	2458.1	2351.5	2333.0
65°	2479.7	2497.0	2637.6	2837.8	3035.0	3145.1	3054.0	2844.0	2661.0	2510.7	2485.9
67.5°	2379.4	2400.6	2621.2	2989.0	3479.3	3807.8	3496.1	3034.1	2675.6	2471.8	2441.3
70°	2079.6	2099.5	2356.8	2806.4	3604.4	4324.2	3679.6	2889.1	2365.2	2137.1	2106.6
72.5°	1380.7	1444.8	1705.2	2244.5	3218.5	4001.4	3250.3	2199.0	1581.8	1377.6	1332.9
75°	458.0	509.3	687.0	1163.6	2155.7	2992.6	2052.2	1029.6	544.2	391.7	370.5
77.5°	115.4	133.1	183.5	332.9	859.9	1703.8	774.1	271.9	148.1	103.5	92.4
80°	56.1	61.9	88.4	111.0	215.3	541.6	202.0	104.3	69.9	53.9	49.5
82.5°	30.9	31.4	50.0	62.8	80.0	140.1	83.1	61.0	40.2	32.7	32.7
85°	19.0	18.6	26.5	33.6	33.6	50.0	39.8	33.6	23.0	20.3	21.2
87.5°	7.5	7.5	9.7	10.6	9.3	12.8	10.2	11.1	8.8	8.4	8.8
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)