

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: P946615

Luminaire Tested: **GALN-SB2B-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946615
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-SB2B-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9742 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 73.9
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

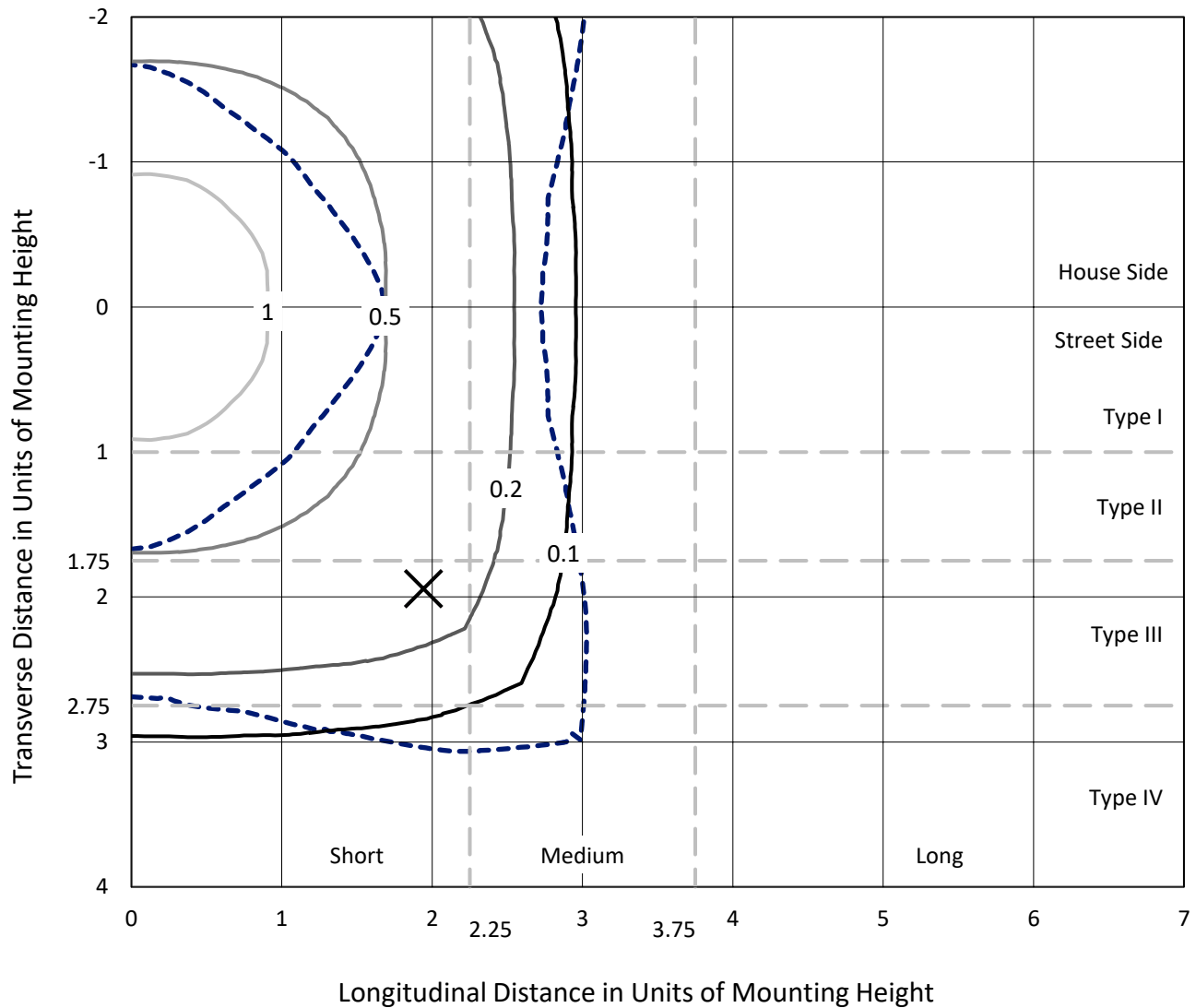


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

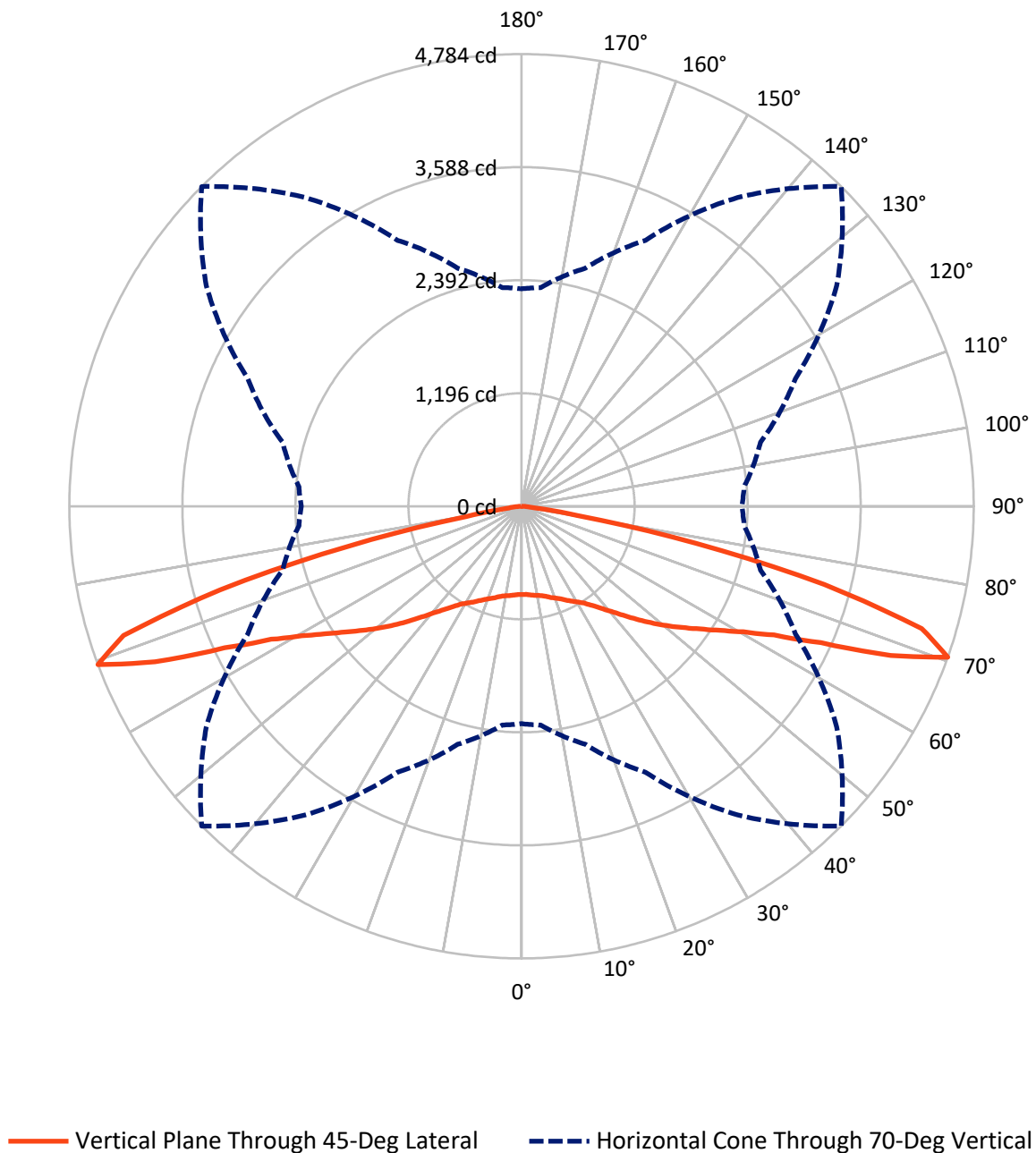


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4871.0	0.0	4871.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4871.0	0.0	4871.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9742.0	0.0	9742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	0.9
10°-20°	281.1	2.9
20°-30°	502.4	5.2
30°-40°	814.4	8.4
40°-50°	1326.5	13.6
50°-60°	2022.5	20.8
60°-70°	3008.8	30.9
70°-80°	1639.9	16.8
80°-90°	55.8	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°	9742.0	100.0
0°-180°	9742.0	100.0

Coefficient of Utilization



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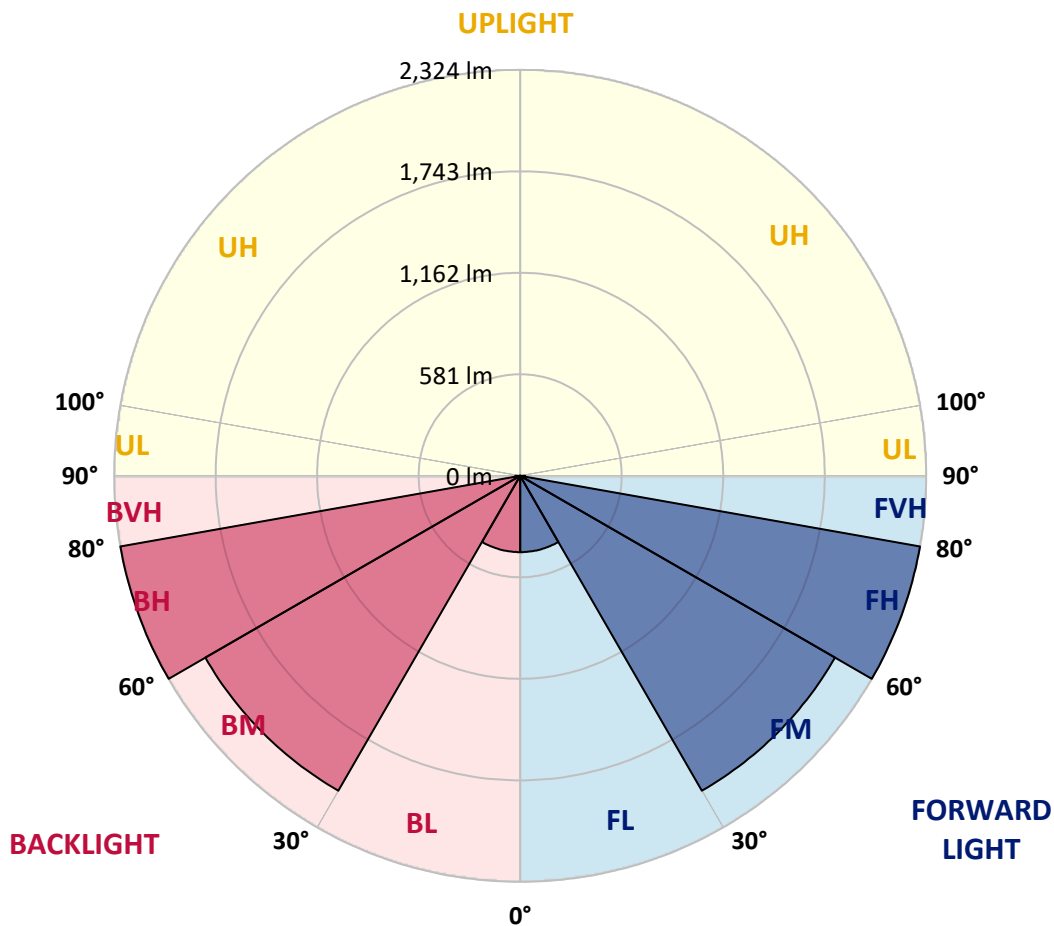
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.1	4.5			
FM	(30°-60°)	2081.7	21.4			
FH	(60°-80°)	2324.3	23.9			G2/5000
FVH	(80°-90°)	27.9	0.3			G1/100
BL	(0°-30°)	437.1	4.5	B1/500		
BM	(30°-60°)	2081.7	21.4	B2/2500		
BH	(60°-80°)	2324.3	23.9	B3/2500		G2/5000
BVH	(80°-90°)	27.9	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°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	937.6	938.6	936.6	935.6	934.7	933.2	933.7	936.1	938.1	937.6	938.1
5°	945.4	946.4	944.9	944.4	942.5	942.0	942.0	944.4	945.9	944.9	945.4
7.5°	954.2	955.7	953.2	952.7	951.8	950.8	950.3	952.7	954.2	954.2	954.2
10°	962.5	964.0	962.0	960.6	959.6	959.6	958.6	960.6	963.0	962.5	962.5
12.5°	971.3	972.3	970.4	969.4	969.4	970.8	969.4	970.4	972.3	971.3	970.8
15°	982.1	982.6	982.1	983.6	986.0	990.9	986.5	985.5	986.5	984.0	984.0
17.5°	996.8	997.7	999.7	1003.1	1006.5	1015.3	1007.5	1005.1	1005.1	1000.2	1000.2
20°	1014.9	1016.3	1019.3	1025.1	1029.5	1037.8	1030.0	1026.6	1025.1	1018.8	1018.8
22.5°	1033.9	1036.4	1040.8	1048.6	1056.4	1064.3	1056.4	1050.6	1046.2	1037.8	1037.4
25°	1055.9	1058.9	1065.7	1078.4	1089.2	1100.5	1091.2	1079.4	1070.6	1058.9	1058.4
27.5°	1087.2	1090.7	1099.0	1114.6	1128.3	1138.1	1129.3	1114.1	1101.9	1087.7	1087.2
30°	1131.3	1134.7	1144.5	1161.1	1170.4	1176.7	1170.9	1159.1	1144.5	1128.3	1128.3
32.5°	1188.0	1192.4	1203.2	1218.8	1220.8	1221.7	1219.8	1213.9	1203.2	1183.6	1184.1
35°	1259.9	1264.8	1277.0	1289.7	1287.8	1289.7	1286.8	1284.8	1277.0	1254.5	1254.5
37.5°	1347.9	1353.8	1366.5	1376.3	1371.4	1369.0	1369.5	1369.9	1365.5	1340.6	1340.6
40°	1450.2	1458.0	1467.3	1477.5	1469.2	1461.9	1466.8	1470.7	1466.8	1441.3	1441.3
42.5°	1555.3	1566.6	1576.3	1591.0	1584.2	1574.9	1581.7	1586.1	1577.8	1550.4	1552.4
45°	1672.2	1683.0	1695.7	1717.7	1712.8	1703.0	1712.8	1713.8	1699.6	1667.3	1670.7
47.5°	1793.0	1804.3	1823.3	1852.7	1850.7	1840.0	1852.7	1845.8	1827.7	1789.1	1786.6
50°	1907.4	1923.1	1952.4	1993.5	1997.4	1984.2	2001.4	1988.1	1957.8	1909.4	1908.4
52.5°	2015.0	2031.7	2078.1	2133.9	2148.1	2131.0	2154.0	2131.0	2085.5	2023.4	2017.5
55°	2128.0	2146.6	2201.9	2274.8	2303.1	2290.4	2311.9	2277.2	2212.6	2137.3	2127.1
57.5°	2261.1	2272.3	2338.3	2424.9	2472.8	2475.8	2485.6	2426.9	2348.6	2263.0	2251.3
60°	2405.3	2421.0	2492.9	2596.6	2672.4	2696.8	2686.6	2599.5	2508.5	2410.2	2394.6
62.5°	2590.2	2607.3	2693.4	2817.6	2937.5	2998.1	2958.0	2831.8	2719.3	2601.5	2580.9
65°	2743.3	2762.4	2917.9	3139.5	3357.6	3479.4	3378.6	3146.3	2943.8	2777.5	2750.2
67.5°	2632.3	2655.8	2899.8	3306.7	3849.1	4212.5	3867.7	3356.6	2960.0	2734.5	2700.8
70°	2300.7	2322.7	2607.3	3104.7	3987.5	4783.8	4070.7	3196.2	2616.6	2364.3	2330.5
72.5°	1527.4	1598.3	1886.4	2483.1	3560.6	4426.7	3595.8	2432.7	1750.0	1524.0	1474.6
75°	506.7	563.4	760.0	1287.3	2384.8	3310.6	2270.4	1139.1	602.1	433.3	409.9
77.5°	127.7	147.2	203.0	368.3	951.3	1885.0	856.4	300.8	163.8	114.4	102.2
80°	62.1	68.5	97.8	122.8	238.2	599.1	223.5	115.4	77.3	59.7	54.8
82.5°	34.2	34.7	55.3	69.5	88.5	155.0	91.9	67.5	44.5	36.2	36.2
85°	21.0	20.5	29.3	37.2	37.2	55.3	44.0	37.2	25.4	22.5	23.5
87.5°	8.3	8.3	10.8	11.7	10.3	14.2	11.2	12.2	9.8	9.3	9.8
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)