

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: P945902

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8812 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

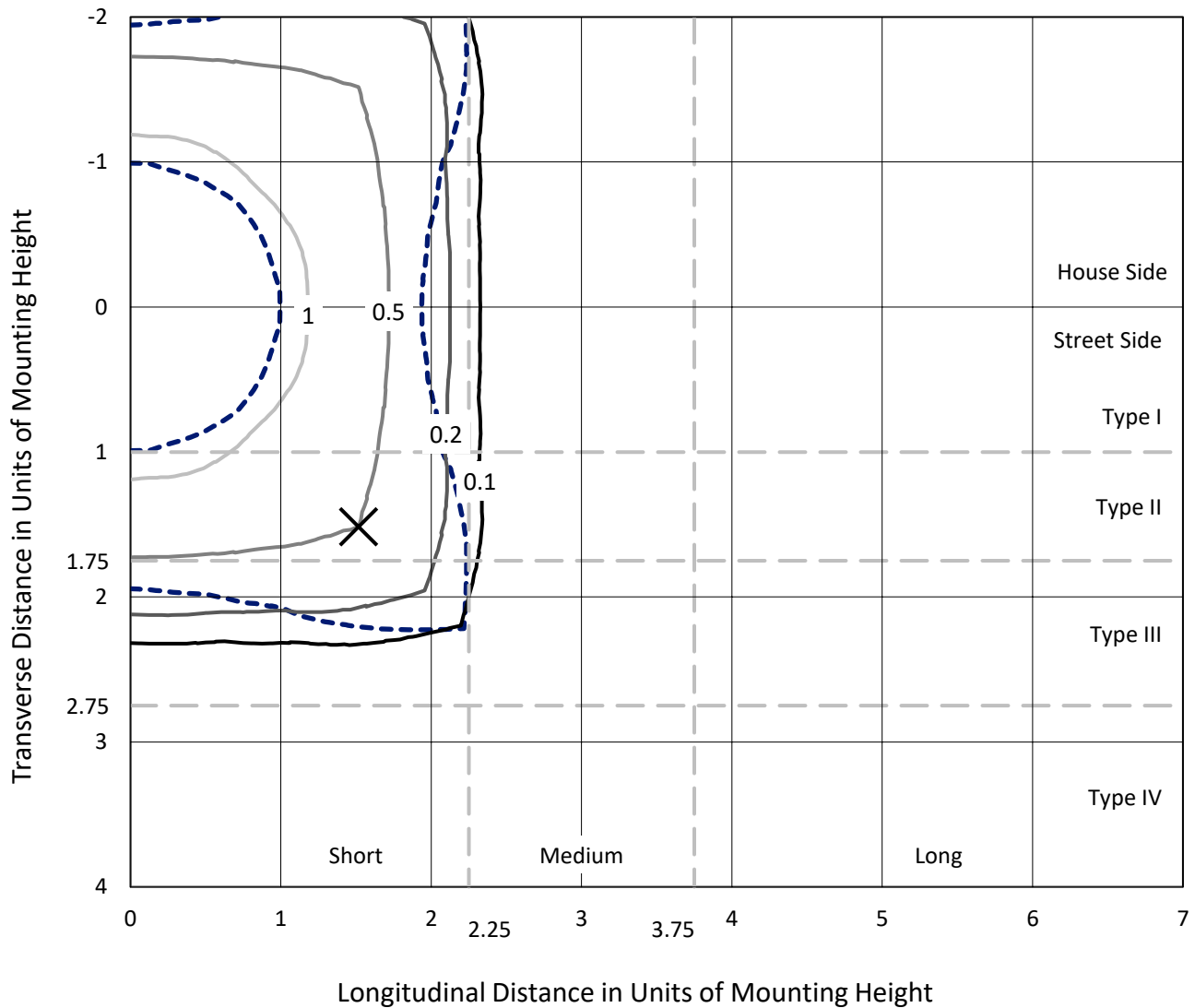


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

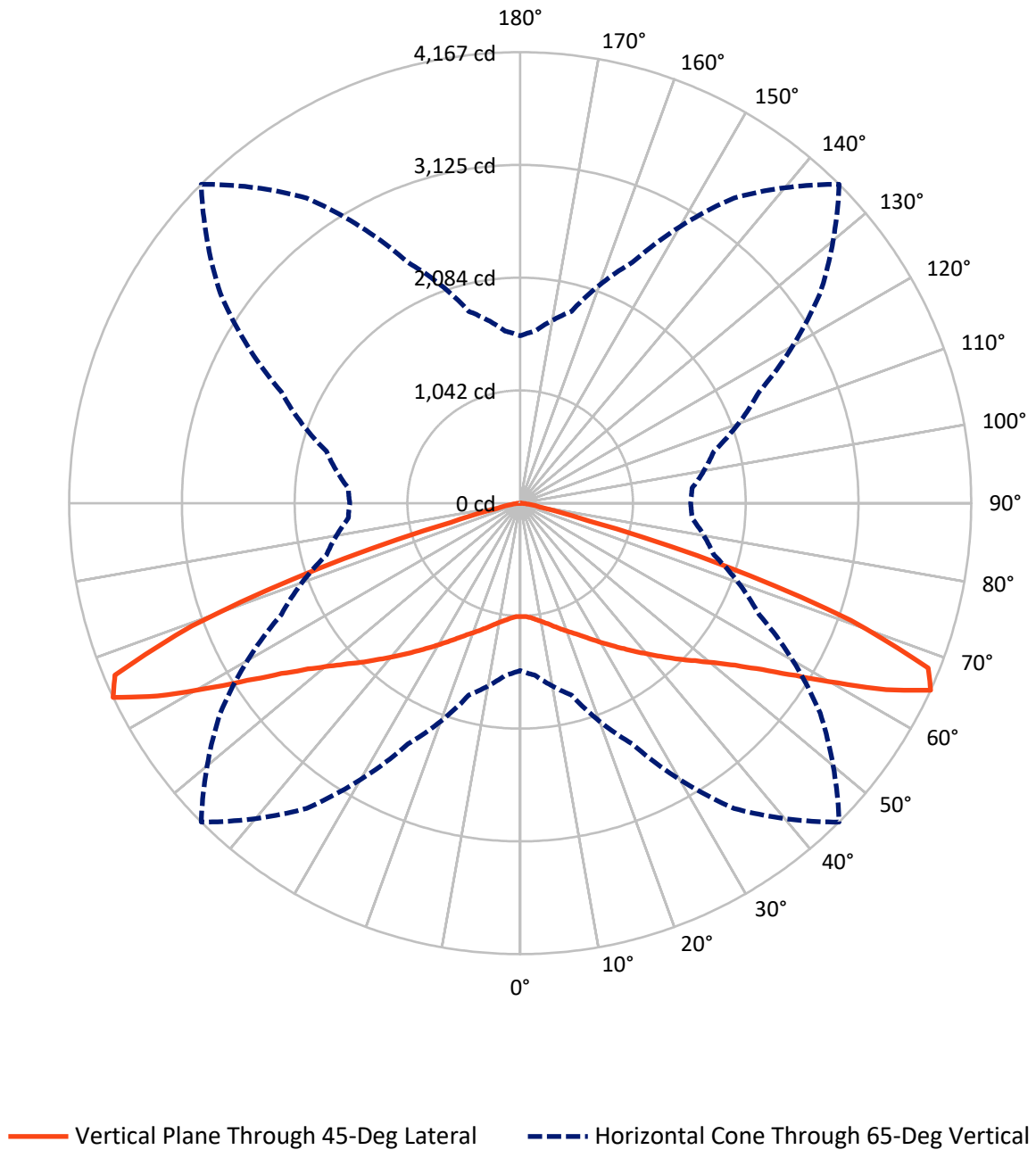


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4406.0	0.0	4406.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4406.0	0.0	4406.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8812.0	0.0	8812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	1.2
10°-20°	337.7	3.8
20°-30°	637.7	7.2
30°-40°	1044.1	11.8
40°-50°	1619.0	18.4
50°-60°	2391.5	27.1
60°-70°	2276.5	25.8
70°-80°	367.3	4.2
80°-90°	34.6	0.4
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°	8812.0	100.0
0°-180°	8812.0	100.0

Coefficient of Utilization



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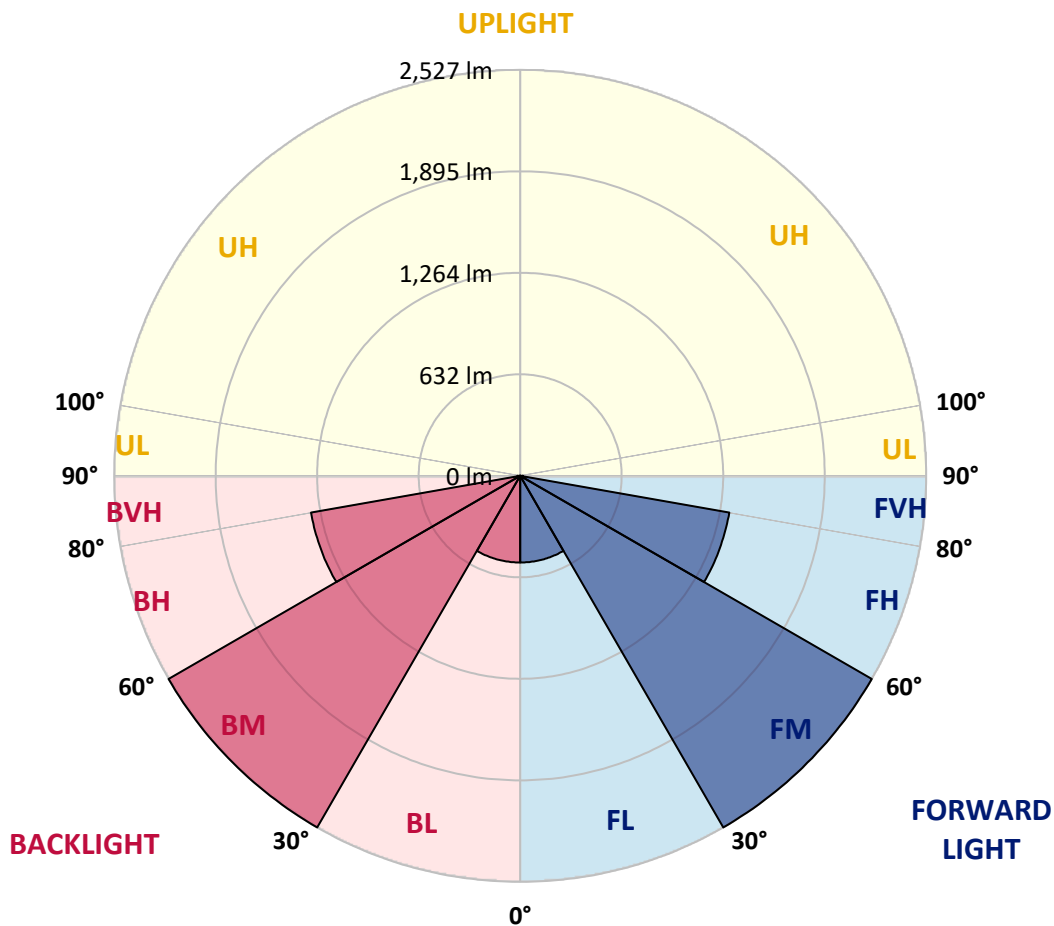
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	539.4	6.1			
FM	(30°-60°)	2527.3	28.7			
FH	(60°-80°)	1321.9	15.0			G1/1800
FVH	(80°-90°)	17.3	0.2			G1/100
BL	(0°-30°)	539.4	6.1	B2/1000		
BM	(30°-60°)	2527.3	28.7	B3/5000		
BH	(60°-80°)	1321.9	15.0	B3/2500		G1/1800
BVH	(80°-90°)	17.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7
2.5°	1055.8	1052.3	1054.9	1052.7	1050.9	1049.2	1050.0	1053.1	1054.5	1054.9	1054.9
5°	1069.9	1066.8	1068.2	1068.2	1065.1	1064.2	1064.6	1066.8	1069.5	1069.5	1069.5
7.5°	1092.9	1089.8	1092.9	1091.2	1088.5	1087.6	1087.2	1088.9	1092.9	1092.9	1091.6
10°	1120.8	1117.2	1119.0	1118.1	1115.0	1113.7	1113.3	1115.9	1119.5	1119.0	1118.1
12.5°	1151.3	1147.3	1149.5	1146.9	1146.0	1144.7	1144.7	1144.2	1146.4	1144.7	1145.5
15°	1185.3	1182.7	1183.6	1181.8	1183.1	1182.2	1178.7	1176.9	1177.8	1175.2	1175.6
17.5°	1225.6	1219.4	1222.5	1221.6	1221.6	1223.4	1217.6	1215.4	1217.2	1214.5	1216.7
20°	1272.0	1265.8	1267.1	1265.4	1263.1	1264.9	1257.8	1259.6	1260.9	1259.2	1263.1
22.5°	1322.8	1314.9	1314.4	1315.3	1310.5	1310.9	1306.0	1310.5	1313.1	1308.2	1313.1
25°	1375.0	1366.6	1372.4	1370.1	1363.9	1365.3	1361.7	1366.2	1368.4	1362.2	1369.3
27.5°	1430.3	1424.5	1429.8	1431.2	1423.6	1428.9	1423.6	1427.6	1429.8	1420.5	1427.6
30°	1494.8	1489.1	1493.9	1497.5	1488.6	1497.0	1492.6	1495.3	1495.7	1484.6	1491.3
32.5°	1565.1	1556.3	1568.7	1570.4	1560.7	1570.9	1565.1	1568.7	1570.9	1555.8	1566.0
35°	1650.9	1639.8	1654.0	1651.8	1643.4	1651.8	1646.5	1651.8	1657.1	1639.0	1650.0
37.5°	1743.3	1731.8	1746.8	1742.8	1734.9	1740.6	1737.5	1741.1	1749.5	1730.0	1742.0
40°	1845.0	1830.8	1851.2	1844.1	1836.6	1835.7	1837.5	1839.7	1850.7	1829.1	1836.1
42.5°	1953.7	1938.7	1969.2	1958.2	1947.6	1940.5	1946.2	1950.6	1961.3	1936.9	1949.8
45°	2078.0	2060.7	2100.5	2087.3	2070.5	2055.9	2065.2	2071.8	2087.3	2058.1	2073.1
47.5°	2215.0	2195.6	2238.0	2234.0	2206.6	2174.8	2196.0	2215.0	2226.5	2191.2	2203.1
50°	2349.0	2334.0	2389.7	2394.5	2360.9	2316.3	2345.9	2374.6	2377.7	2331.3	2337.1
52.5°	2474.6	2459.5	2540.4	2570.9	2540.9	2487.8	2519.2	2548.4	2525.0	2464.8	2466.6
55°	2574.9	2562.5	2665.6	2744.3	2754.4	2710.7	2729.2	2728.3	2651.4	2559.0	2562.1
57.5°	2599.2	2597.5	2727.5	2894.1	3000.2	3005.6	2968.9	2875.1	2709.3	2585.1	2577.1
60°	2488.7	2499.8	2678.4	2972.4	3255.4	3373.0	3214.2	2946.8	2643.5	2471.0	2450.7
62.5°	2158.0	2187.2	2402.5	2876.9	3461.4	3795.6	3411.0	2838.0	2372.9	2147.8	2134.6
65°	1546.5	1597.4	1835.3	2455.1	3442.8	4167.0	3382.7	2435.2	1852.9	1593.4	1574.4
67.5°	701.6	753.4	955.4	1681.0	2992.7	4066.2	2985.7	1698.6	1003.2	756.0	745.0
70°	254.2	263.1	328.1	672.9	1912.6	3239.9	1994.4	677.8	348.8	280.3	276.8
72.5°	153.9	155.2	168.9	241.0	664.5	1967.0	692.8	248.9	172.4	153.0	155.6
75°	97.7	96.8	120.3	147.2	235.7	663.6	247.1	147.2	119.8	109.2	110.1
77.5°	70.3	72.5	86.2	110.1	148.6	225.0	145.9	105.2	86.2	70.7	72.1
80°	52.6	53.9	62.8	85.8	104.3	140.2	92.8	77.8	65.0	44.2	45.5
82.5°	38.0	38.0	41.1	62.3	63.7	75.6	50.4	54.8	42.9	31.4	31.4
85°	22.5	22.1	25.6	37.1	33.2	27.9	23.0	33.6	27.0	19.5	19.0
87.5°	8.0	8.4	8.0	10.6	8.8	7.5	7.1	9.3	7.5	6.6	6.2
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)