

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: P946217

Luminaire Tested: **GALN-SB1D-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946217
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-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7730 lumens
Efficiency: N/A
Efficacy: 97.1 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

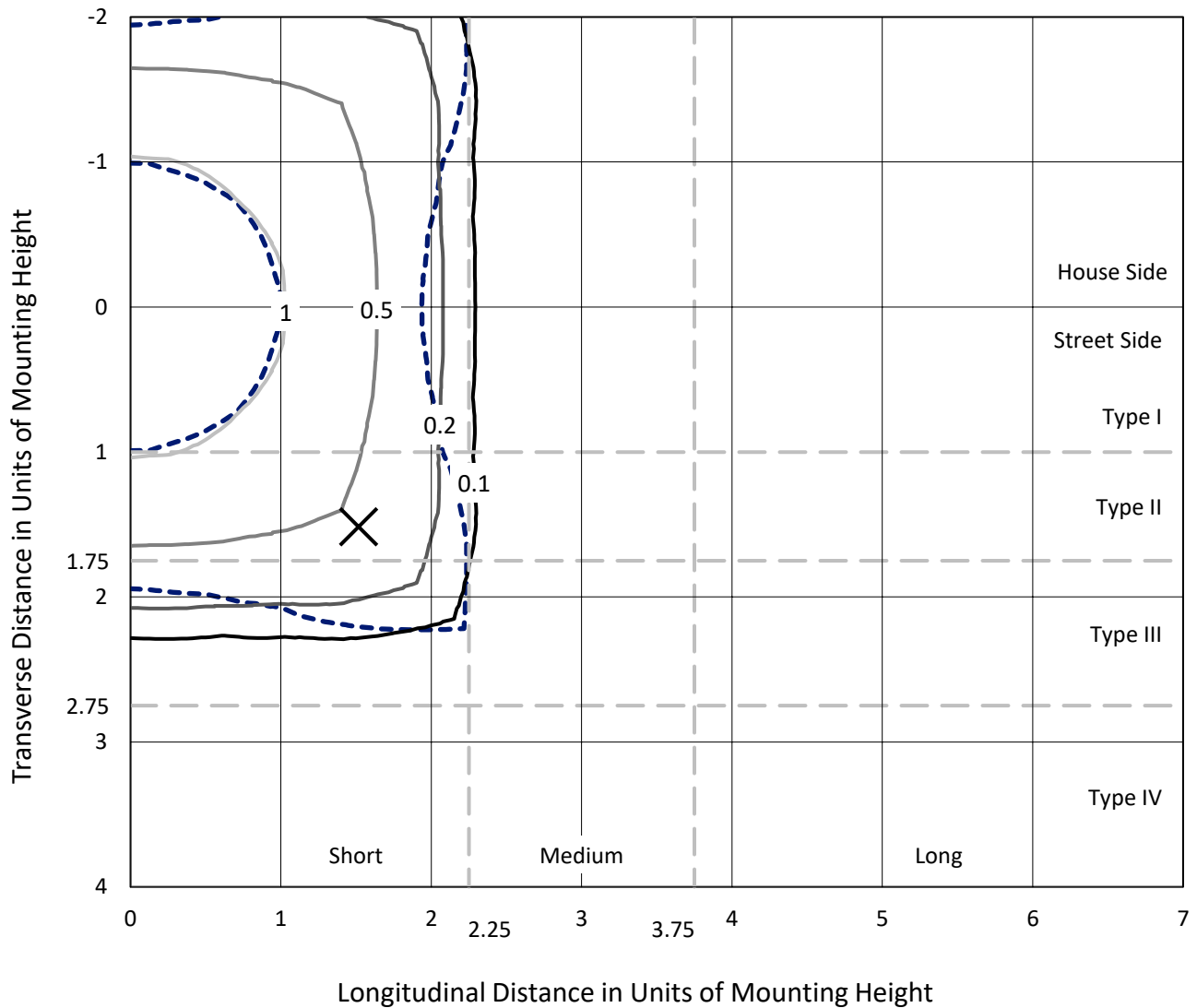
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

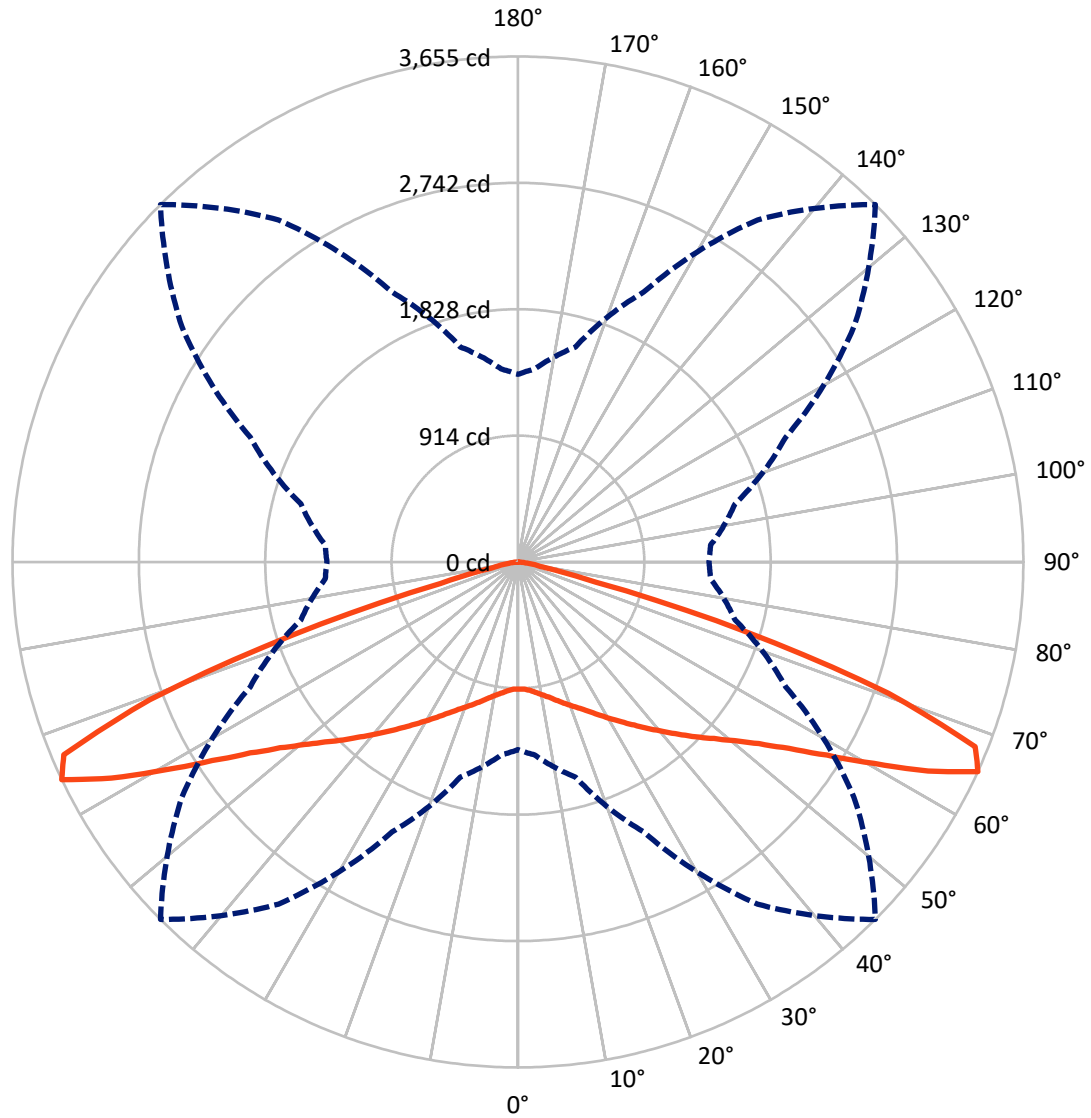
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3865.0	0.0	3865.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3865.0	0.0	3865.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7730.0	0.0	7730.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.2
10°-20°	296.3	3.8
20°-30°	559.4	7.2
30°-40°	915.9	11.8
40°-50°	1420.2	18.4
50°-60°	2097.9	27.1
60°-70°	1997.0	25.8
70°-80°	322.2	4.2
80°-90°	30.4	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°	7730.0	100.0
0°-180°	7730.0	100.0

Coefficient of Utilization

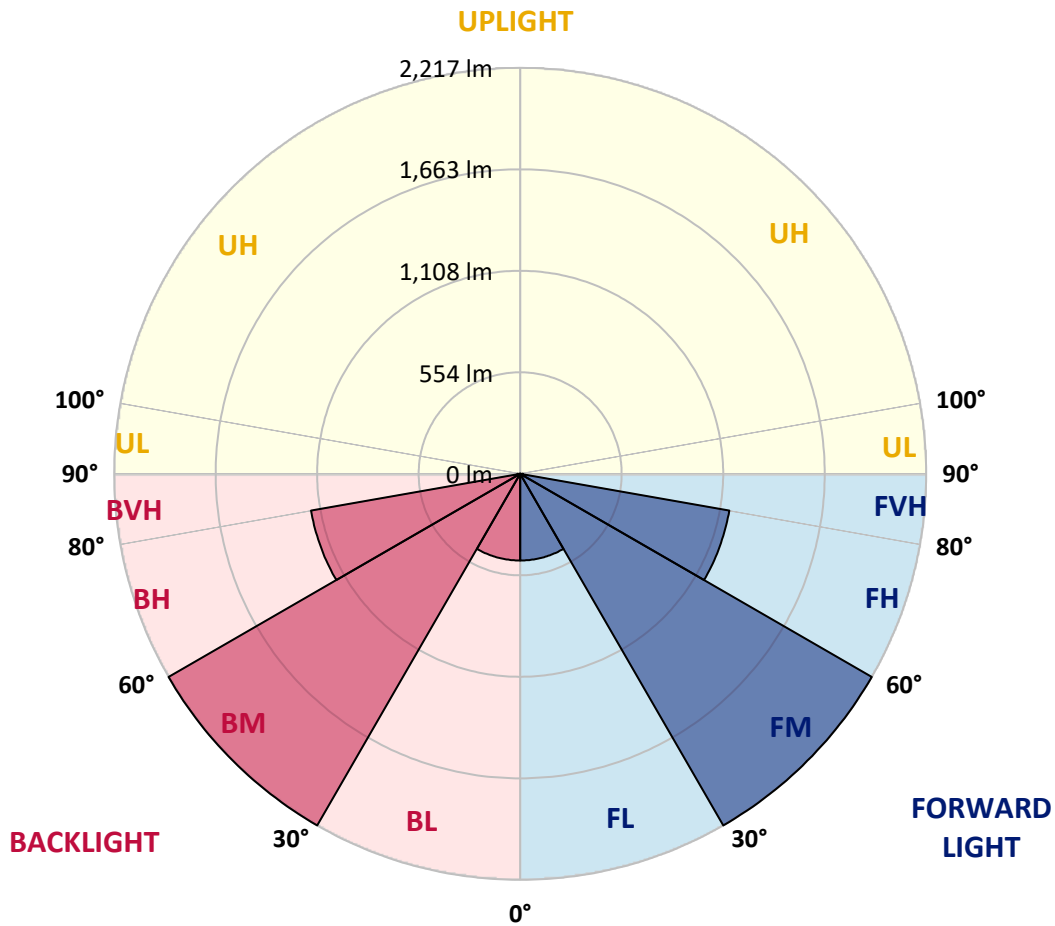


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.2	6.1			
FM (30°-60°)	2217.0	28.7			
FH (60°-80°)	1159.6	15.0			G1/1800
FVH (80°-90°)	15.2	0.2			G1/100
BL (0°-30°)	473.2	6.1	B1/500		
BM (30°-60°)	2217.0	28.7	B2/2500		
BH (60°-80°)	1159.6	15.0	B3/2500		G1/1800
BVH (80°-90°)	15.2	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°
0°	919.9	919.9	919.9	919.9	919.9	919.9	919.9	919.9	919.9	919.9
2.5°	926.2	923.0	925.4	923.4	921.9	920.3	921.1	923.8	925.0	925.4
5°	938.6	935.8	937.0	937.0	934.3	933.5	933.9	935.8	938.2	938.2
7.5°	958.7	956.0	958.7	957.2	954.9	954.1	953.7	955.2	958.7	958.7
10°	983.2	980.1	981.6	980.8	978.1	977.0	976.6	978.9	982.0	981.6
12.5°	1009.9	1006.4	1008.4	1006.0	1005.3	1004.1	1004.1	1003.7	1005.7	1004.1
15°	1039.8	1037.5	1038.2	1036.7	1037.8	1037.1	1034.0	1032.4	1033.2	1030.9
17.5°	1075.1	1069.7	1072.4	1071.6	1071.6	1073.1	1068.1	1066.2	1067.7	1065.4
20°	1115.8	1110.4	1111.5	1110.0	1108.0	1109.6	1103.4	1104.9	1106.1	1104.6
22.5°	1160.4	1153.4	1153.0	1153.8	1149.5	1149.9	1145.7	1149.5	1151.9	1147.6
25°	1206.2	1198.8	1203.8	1201.9	1196.5	1197.6	1194.5	1198.4	1200.4	1194.9
27.5°	1254.6	1249.6	1254.3	1255.4	1248.8	1253.5	1248.8	1252.3	1254.3	1246.1
30°	1311.3	1306.2	1310.5	1313.6	1305.8	1313.2	1309.3	1311.7	1312.0	1302.4
32.5°	1372.9	1365.2	1376.0	1377.6	1369.1	1378.0	1372.9	1376.0	1378.0	1364.8
35°	1448.2	1438.5	1450.9	1449.0	1441.6	1449.0	1444.3	1449.0	1453.6	1437.7
37.5°	1529.2	1519.2	1532.3	1528.9	1521.9	1526.9	1524.2	1527.3	1534.7	1517.6
40°	1618.4	1606.0	1623.9	1617.7	1611.1	1610.3	1611.8	1613.8	1623.5	1604.5
42.5°	1713.8	1700.7	1727.4	1717.7	1708.4	1702.2	1707.3	1711.1	1720.4	1699.1
45°	1822.8	1807.7	1842.6	1831.0	1816.2	1803.4	1811.6	1817.4	1831.0	1805.4
47.5°	1943.1	1926.0	1963.2	1959.7	1935.7	1907.8	1926.4	1943.1	1953.1	1922.1
50°	2060.6	2047.4	2096.3	2100.5	2071.0	2031.9	2057.9	2083.1	2085.8	2045.1
52.5°	2170.7	2157.5	2228.5	2255.3	2228.9	2182.4	2209.9	2235.5	2214.9	2162.2
55°	2258.8	2247.9	2338.3	2407.3	2416.2	2377.8	2394.1	2393.3	2325.9	2244.8
57.5°	2280.1	2278.5	2392.6	2538.8	2631.9	2636.5	2604.3	2522.1	2376.7	2267.7
60°	2183.1	2192.8	2349.5	2607.4	2855.6	2958.8	2819.6	2584.9	2318.9	2167.6
62.5°	1893.0	1918.6	2107.5	2523.6	3036.4	3329.6	2992.2	2489.5	2081.5	1884.1
65°	1356.7	1401.3	1609.9	2153.7	3020.1	3655.4	2967.3	2136.2	1625.4	1397.8
67.5°	615.5	660.9	838.1	1474.6	2625.3	3566.9	2619.1	1490.1	880.0	663.2
70°	223.0	230.8	287.8	590.3	1677.8	2842.1	1749.5	594.6	306.0	245.9
72.5°	135.0	136.1	148.2	211.4	582.9	1725.5	607.7	218.4	151.3	134.2
75°	85.7	84.9	105.5	129.1	206.7	582.1	216.8	129.1	105.1	95.8
77.5°	61.7	63.6	75.6	96.6	130.3	197.4	128.0	92.3	75.6	62.1
80°	46.2	47.3	55.1	75.2	91.5	122.9	81.4	68.3	57.0	38.8
82.5°	33.4	33.4	36.1	54.7	55.8	66.3	44.2	48.1	37.6	27.5
85°	19.8	19.4	22.5	32.6	29.1	24.4	20.2	29.5	23.7	17.1
87.5°	7.0	7.4	7.0	9.3	7.8	6.6	6.2	8.1	6.6	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
919.9
925.4
938.2
957.6
980.8
1004.9
1031.3
1067.3
1108.0
1151.9
1201.1
1252.3
1308.2
1373.7
1447.4
1528.1
1610.7
1710.4
1818.6
1932.6
2050.1
2163.7
2247.5
2260.7
2149.8
1872.5
1381.1
653.5
242.8
136.5
96.6
63.2
39.9
27.5
16.7
5.4
0.0

OF REPORT)