

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: P946220

Luminaire Tested: **GALN-SB1D-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7596 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

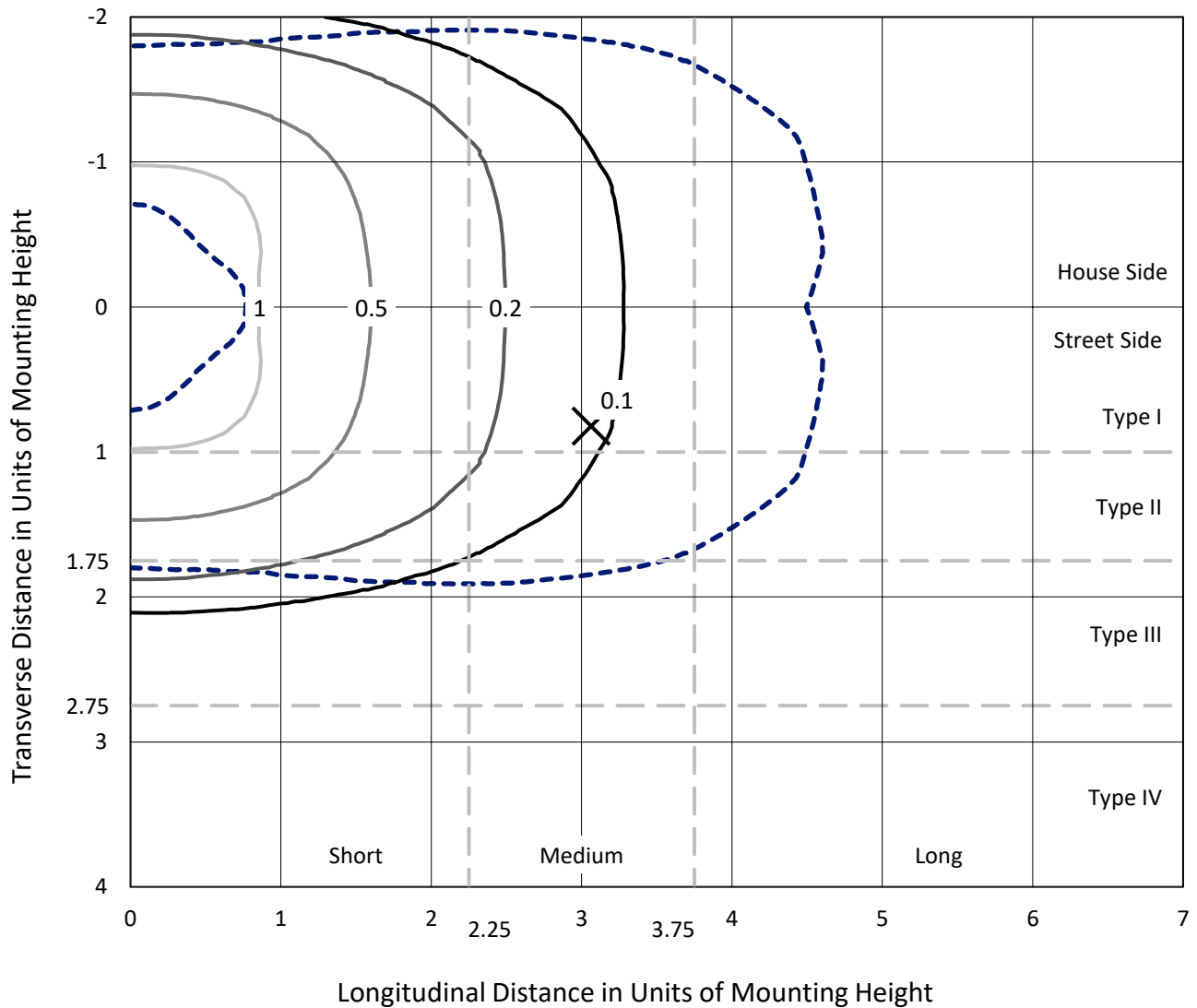
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

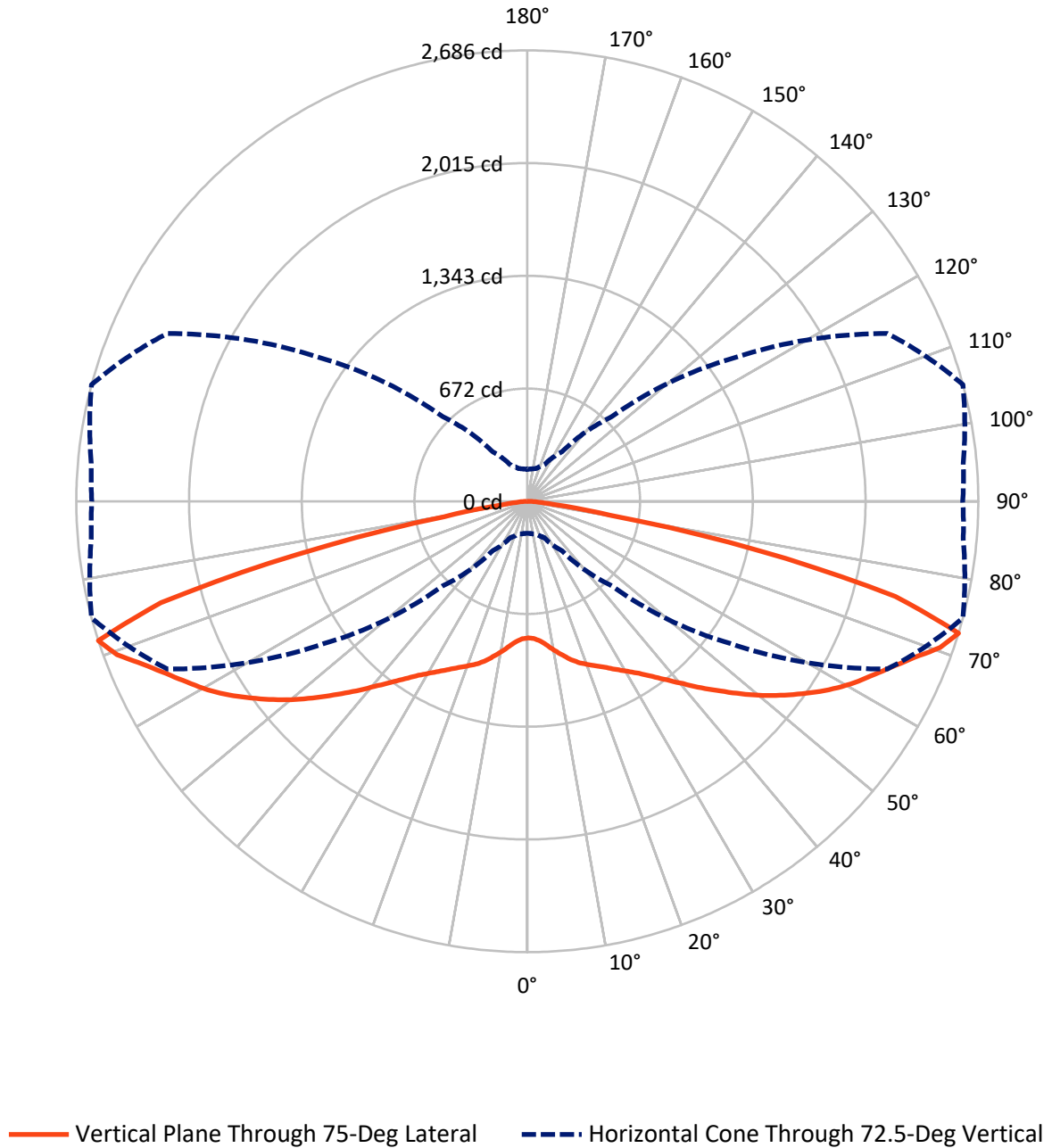
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3798.0	0.0	3798.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3798.0	0.0	3798.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7596.0	0.0	7596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	1.0
10°-20°	262.9	3.5
20°-30°	508.0	6.7
30°-40°	857.7	11.3
40°-50°	1360.3	17.9
50°-60°	1821.3	24.0
60°-70°	1733.3	22.8
70°-80°	904.4	11.9
80°-90°	68.5	0.9
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°	7596.0	100.0
0°-180°	7596.0	100.0

Coefficient of Utilization



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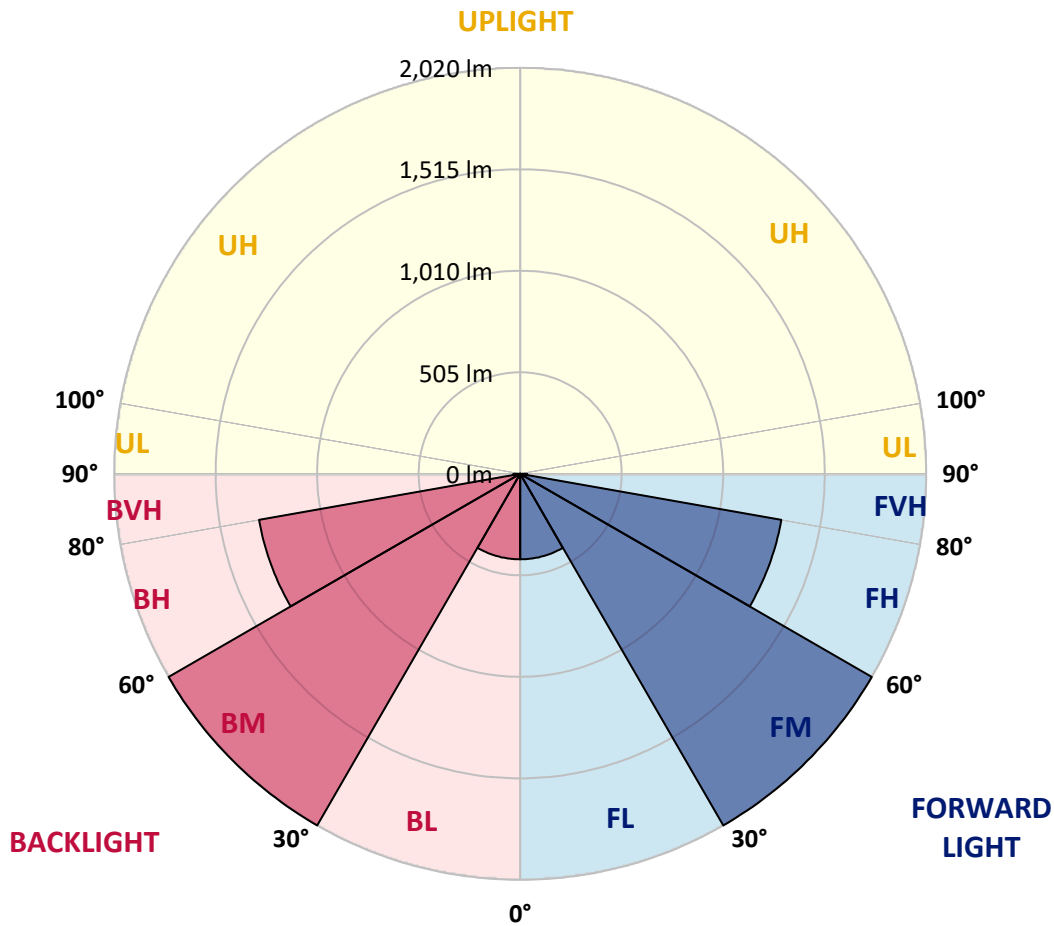
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.3	5.6			
FM (30°-60°)	2019.6	26.6			
FH (60°-80°)	1318.8	17.4			G1/1800
FVH (80°-90°)	34.2	0.5			G1/100
BL (0°-30°)	425.3	5.6	B1/500		
BM (30°-60°)	2019.6	26.6	B2/2500		
BH (60°-80°)	1318.8	17.4	B3/2500		G3/2500
BVH (80°-90°)	34.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7
2.5°	813.7	812.9	813.7	814.4	814.1	814.1	816.0	817.2	819.5	819.1
5°	808.2	807.9	811.0	814.4	817.2	821.8	827.6	831.9	837.3	838.5
7.5°	805.5	804.4	809.8	816.0	824.5	836.2	847.4	859.0	868.4	871.5
10°	807.5	807.9	815.2	826.9	840.4	856.7	872.6	892.4	905.6	908.7
12.5°	816.4	815.6	828.0	846.6	865.2	885.8	904.4	926.1	940.5	947.9
15°	832.7	831.1	848.6	876.1	903.3	927.3	942.4	963.0	979.7	989.0
17.5°	852.1	852.8	875.7	911.4	947.1	974.2	988.6	999.1	1011.8	1020.0
20°	886.2	887.7	913.3	955.6	996.3	1027.4	1039.0	1035.1	1038.6	1044.8
22.5°	932.0	932.7	961.4	1007.2	1049.9	1084.0	1091.7	1075.8	1066.1	1070.4
25°	985.1	990.1	1018.8	1065.8	1109.6	1142.2	1145.7	1121.6	1097.6	1098.7
27.5°	1049.9	1054.5	1083.6	1130.1	1174.7	1203.0	1202.7	1170.5	1135.2	1126.3
30°	1120.1	1125.1	1155.0	1203.0	1244.5	1269.4	1263.9	1225.5	1175.1	1158.4
32.5°	1203.4	1206.5	1236.8	1284.9	1323.3	1343.1	1331.8	1284.5	1221.7	1202.7
35°	1304.3	1308.9	1331.4	1376.8	1410.5	1426.8	1407.8	1352.0	1281.4	1260.1
37.5°	1419.5	1416.4	1442.0	1482.3	1510.2	1520.3	1494.3	1428.0	1349.6	1324.4
40°	1539.7	1538.1	1566.1	1604.8	1620.0	1626.2	1587.8	1515.3	1428.4	1401.2
42.5°	1648.7	1647.5	1685.1	1728.2	1746.4	1739.4	1690.9	1607.9	1519.5	1488.5
45°	1735.9	1734.4	1780.5	1841.0	1876.7	1865.1	1799.9	1710.3	1611.8	1579.6
47.5°	1803.0	1803.8	1853.4	1928.3	1990.7	1995.0	1911.2	1814.7	1713.4	1677.0
50°	1851.5	1853.8	1907.0	1990.0	2075.3	2112.9	2024.9	1921.7	1818.5	1777.4
52.5°	1863.5	1867.8	1931.8	2029.1	2129.6	2201.3	2140.4	2024.5	1918.2	1879.0
55°	1799.5	1808.1	1889.1	2026.0	2162.9	2259.5	2242.0	2128.8	2018.7	1978.3
57.5°	1652.5	1664.6	1759.2	1938.0	2155.6	2299.4	2320.8	2228.9	2119.1	2080.3
60°	1446.6	1461.0	1551.7	1746.8	2051.6	2314.2	2376.2	2326.2	2211.4	2173.8
62.5°	1136.0	1154.6	1263.2	1492.0	1832.1	2245.5	2423.6	2414.2	2294.4	2247.5
65°	728.7	748.5	862.9	1133.2	1539.3	2035.3	2438.3	2500.0	2382.1	2316.5
67.5°	439.4	448.3	505.0	686.8	1125.1	1718.5	2313.4	2595.0	2484.4	2403.0
70°	281.2	286.2	320.0	403.3	636.0	1253.9	2003.9	2612.8	2608.5	2491.8
72.5°	190.8	192.4	201.3	238.9	359.9	712.4	1478.0	2365.4	2686.1	2606.2
75°	139.6	148.2	162.5	169.1	204.4	356.0	847.0	1661.9	2263.8	2298.7
77.5°	103.9	104.3	124.1	131.9	145.8	189.6	358.4	927.7	1405.5	1475.7
80°	88.0	83.4	83.0	106.3	109.8	118.3	160.2	320.3	503.4	305.2
82.5°	73.3	68.3	61.7	83.0	74.9	72.5	69.4	130.3	160.2	78.7
85°	51.2	48.9	46.5	54.3	42.7	36.5	33.4	60.9	67.5	33.4
87.5°	22.1	22.9	23.3	24.0	17.8	12.8	12.8	17.1	17.1	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
813.7
818.7
838.5
872.2
911.8
951.0
992.5
1023.9
1049.5
1073.5
1100.7
1129.0
1160.4
1207.3
1263.2
1329.1
1410.2
1496.2
1587.0
1687.8
1789.8
1889.1
1989.6
2089.2
2181.9
2252.9
2324.7
2409.2
2491.0
2593.8
2214.1
1316.3
230.8
67.1
29.5
9.7
0.0

OF REPORT)