

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: P946892

Luminaire Tested: **GALN-SB2B-930-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946892
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-SB2B-930-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8067 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

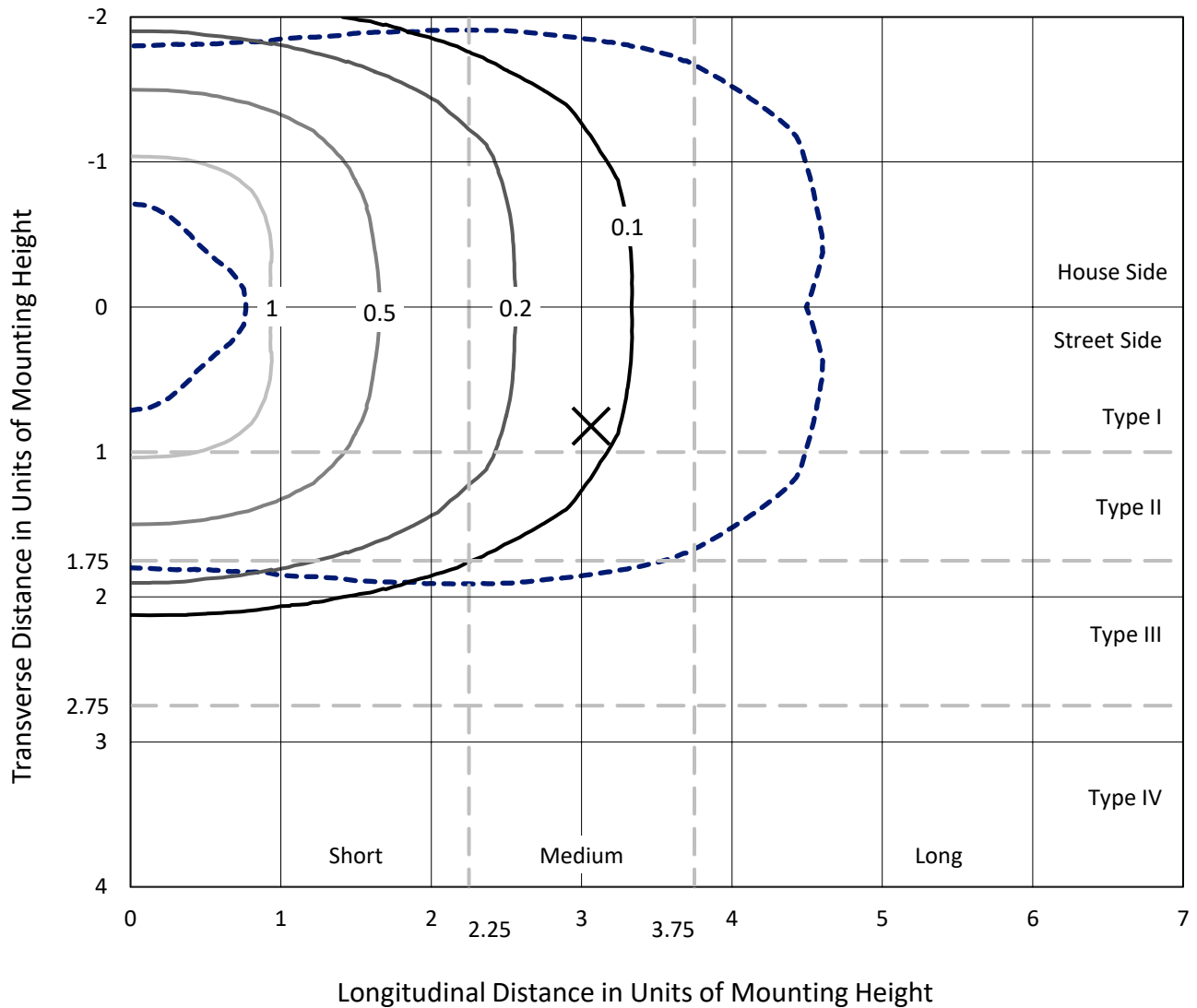
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

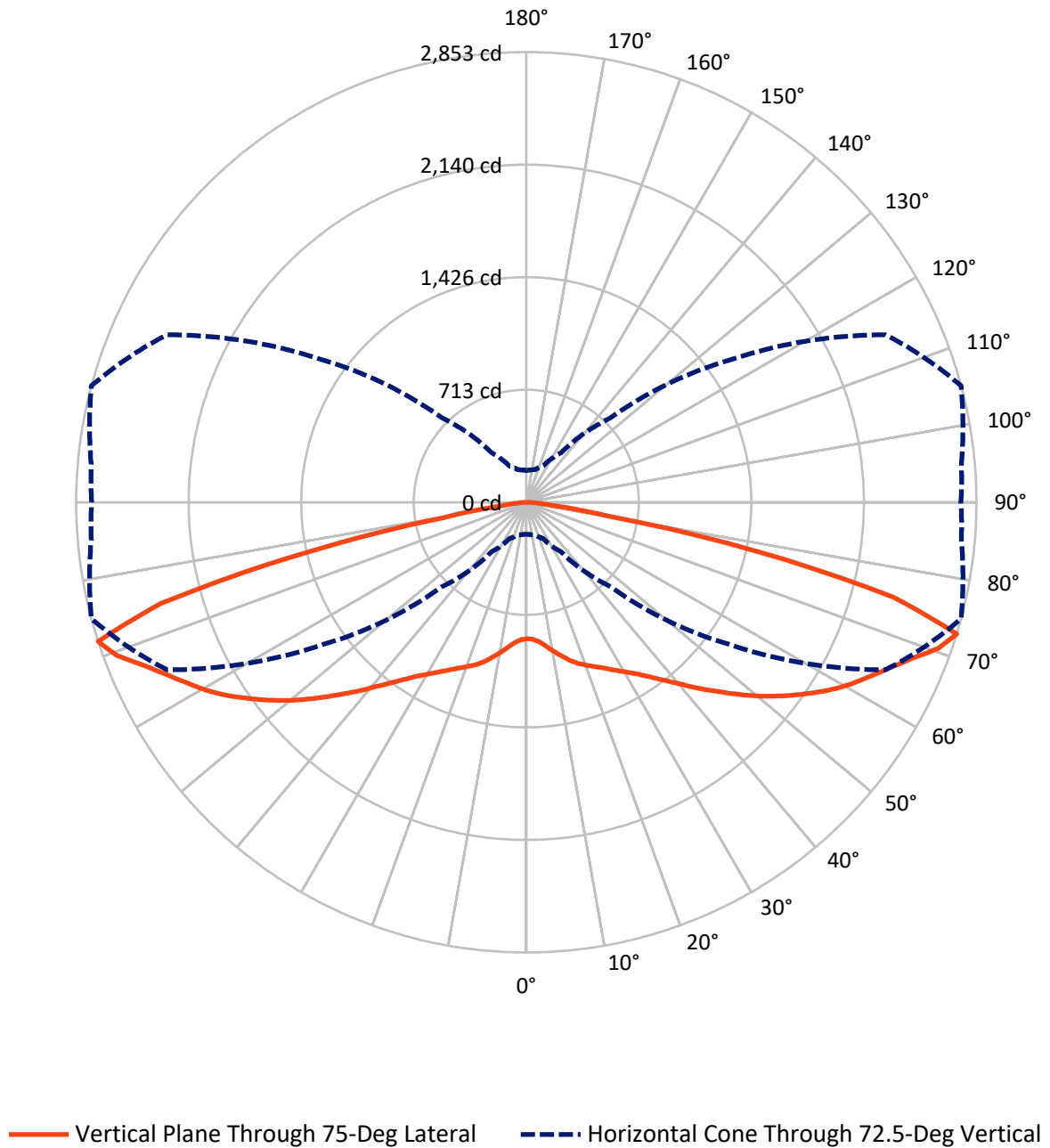
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4033.5	0.0	4033.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4033.5	0.0	4033.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8067.0	0.0	8067.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	1.0
10°-20°	279.2	3.5
20°-30°	539.5	6.7
30°-40°	910.9	11.3
40°-50°	1444.6	17.9
50°-60°	1934.2	24.0
60°-70°	1840.7	22.8
70°-80°	960.5	11.9
80°-90°	72.7	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°	8067.0	100.0
0°-180°	8067.0	100.0

Coefficient of Utilization



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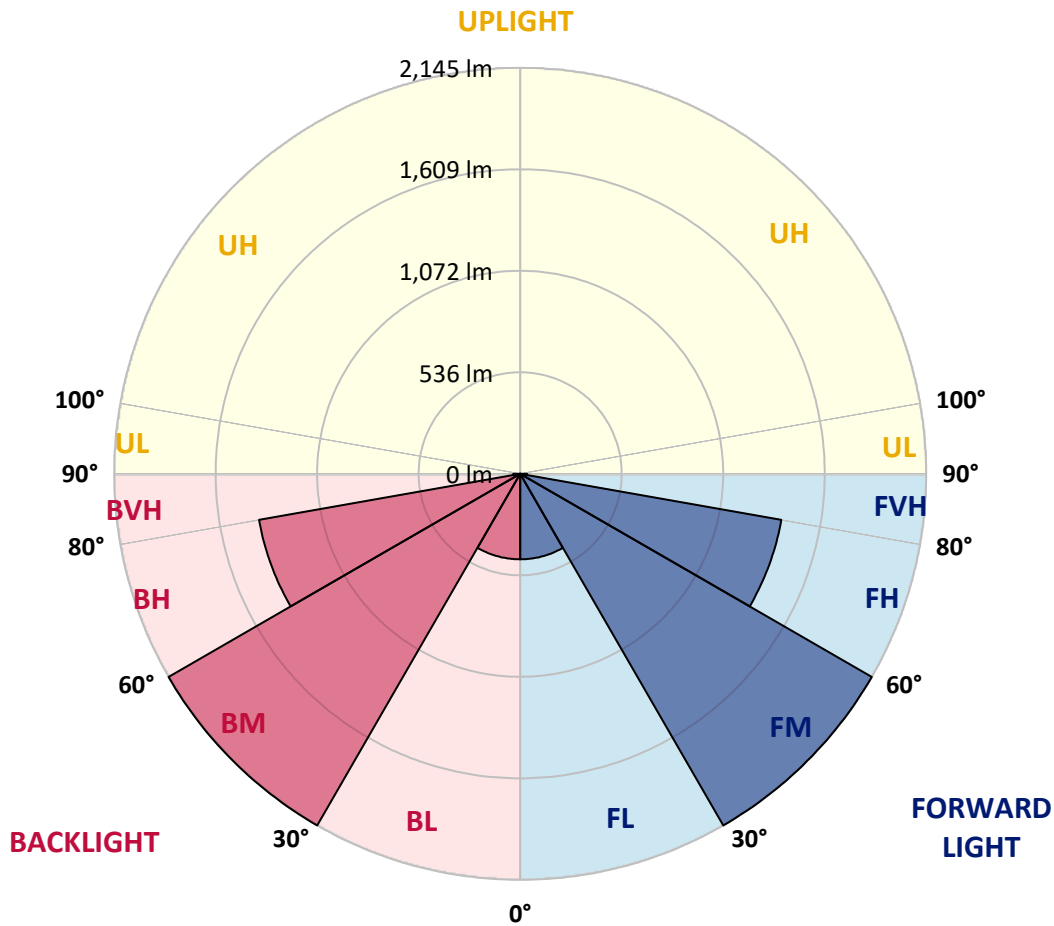
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.7	5.6			
FM (30°-60°)	2144.9	26.6			
FH (60°-80°)	1400.6	17.4			G1/1800
FVH (80°-90°)	36.4	0.5			G1/100
BL (0°-30°)	451.7	5.6	B1/500		
BM (30°-60°)	2144.9	26.6	B2/2500		
BH (60°-80°)	1400.6	17.4	B3/2500		G3/2500
BVH (80°-90°)	36.4	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°	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1	864.1
2.5°	864.1	863.3	864.1	864.9	864.5	864.5	866.6	867.8	870.3	869.9
5°	858.4	857.9	861.2	864.9	867.8	872.8	878.9	883.5	889.2	890.5
7.5°	855.5	854.2	860.0	866.6	875.7	888.0	900.0	912.3	922.2	925.5
10°	857.5	857.9	865.8	878.1	892.5	909.8	926.7	947.7	961.7	965.0
12.5°	867.0	866.2	879.4	899.1	918.9	940.7	960.5	983.6	998.8	1006.6
15°	884.3	882.7	901.2	930.4	959.3	984.8	1000.9	1022.7	1040.4	1050.3
17.5°	904.9	905.7	930.0	967.9	1005.8	1034.6	1049.9	1061.0	1074.6	1083.2
20°	941.1	942.8	970.0	1014.9	1058.1	1091.1	1103.4	1099.3	1103.0	1109.6
22.5°	989.7	990.6	1021.0	1069.6	1115.0	1151.2	1159.4	1142.5	1132.3	1136.8
25°	1046.2	1051.5	1082.0	1131.8	1178.4	1213.0	1216.7	1191.2	1165.6	1166.9
27.5°	1115.0	1119.9	1150.8	1200.2	1247.6	1277.6	1277.2	1243.0	1205.6	1196.1
30°	1189.5	1194.9	1226.6	1277.6	1321.7	1348.1	1342.3	1301.5	1248.0	1230.3
32.5°	1278.1	1281.4	1313.5	1364.6	1405.3	1426.3	1414.4	1364.1	1297.4	1277.2
35°	1385.1	1390.1	1414.0	1462.2	1498.0	1515.3	1495.1	1435.8	1360.8	1338.2
37.5°	1507.5	1504.2	1531.4	1574.2	1603.9	1614.6	1587.0	1516.5	1433.3	1406.6
40°	1635.2	1633.5	1663.2	1704.4	1720.4	1727.0	1686.2	1609.2	1516.9	1488.1
42.5°	1750.9	1749.7	1789.6	1835.3	1854.7	1847.3	1795.8	1707.6	1613.7	1580.8
45°	1843.6	1841.9	1890.9	1955.2	1993.1	1980.7	1911.5	1816.4	1711.8	1677.6
47.5°	1914.8	1915.6	1968.4	2047.9	2114.2	2118.7	2029.7	1927.2	1819.7	1781.0
50°	1966.3	1968.8	2025.2	2113.3	2204.0	2243.9	2150.4	2040.9	1931.3	1887.6
52.5°	1979.1	1983.6	2051.6	2154.9	2261.6	2337.8	2273.2	2150.0	2037.1	1995.5
55°	1911.1	1920.2	2006.3	2151.7	2297.0	2399.6	2381.1	2260.8	2143.8	2101.0
57.5°	1755.0	1767.8	1868.3	2058.2	2289.2	2442.0	2464.7	2367.1	2250.5	2209.3
60°	1536.3	1551.5	1647.9	1855.1	2178.8	2457.7	2523.6	2470.4	2348.5	2308.6
62.5°	1206.4	1226.2	1341.5	1584.5	1945.7	2384.8	2573.8	2563.9	2436.7	2386.8
65°	773.9	794.9	916.4	1203.5	1634.7	2161.5	2589.5	2655.0	2529.8	2460.1
67.5°	466.7	476.1	536.3	729.4	1194.9	1825.0	2456.9	2755.9	2638.5	2552.0
70°	298.6	304.0	339.8	428.4	675.5	1331.6	2128.2	2774.8	2770.3	2646.3
72.5°	202.6	204.3	213.8	253.7	382.2	756.6	1569.7	2512.0	2852.7	2767.8
75°	148.3	157.3	172.6	179.6	217.1	378.1	899.5	1764.9	2404.1	2441.2
77.5°	110.4	110.8	131.8	140.0	154.9	201.4	380.6	985.2	1492.6	1567.2
80°	93.5	88.6	88.1	112.9	116.6	125.6	170.1	340.2	534.6	324.1
82.5°	77.8	72.5	65.5	88.1	79.5	77.0	73.7	138.4	170.1	83.6
85°	54.4	51.9	49.4	57.7	45.3	38.7	35.4	64.7	71.7	35.4
87.5°	23.5	24.3	24.7	25.5	18.9	13.6	13.6	18.1	18.1	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
864.1
869.5
890.5
926.3
968.3
1009.9
1054.0
1087.4
1114.5
1140.1
1168.9
1199.0
1232.3
1282.2
1341.5
1411.5
1497.6
1589.0
1685.4
1792.5
1900.8
2006.3
2112.9
2218.8
2317.2
2392.6
2468.8
2558.6
2645.5
2754.6
2351.4
1397.9
245.1
71.3
31.3
10.3
0.0

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