

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: P946430

Luminaire Tested: **GALN-SB2A-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946430
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-SB2A-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8300 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

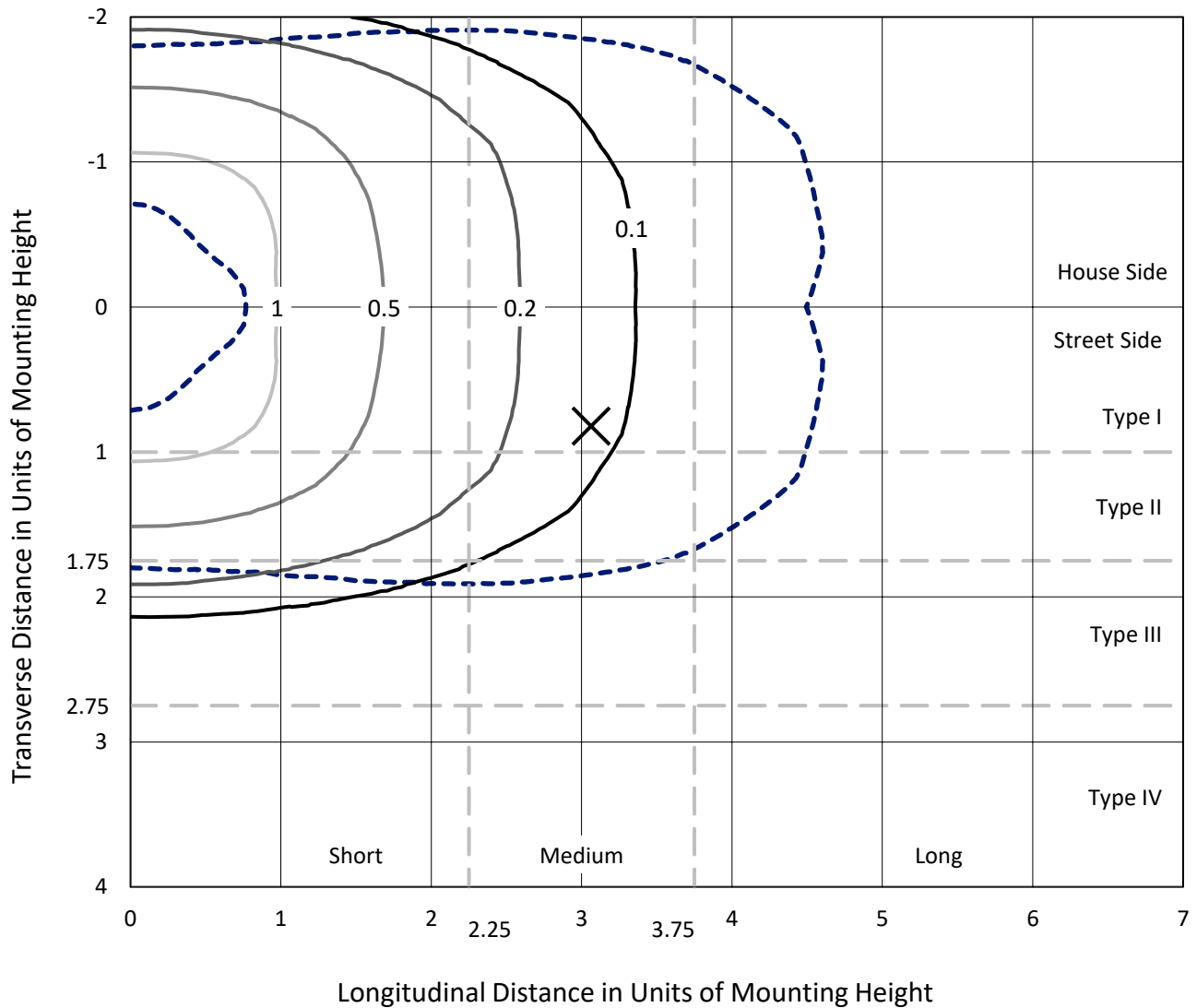
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

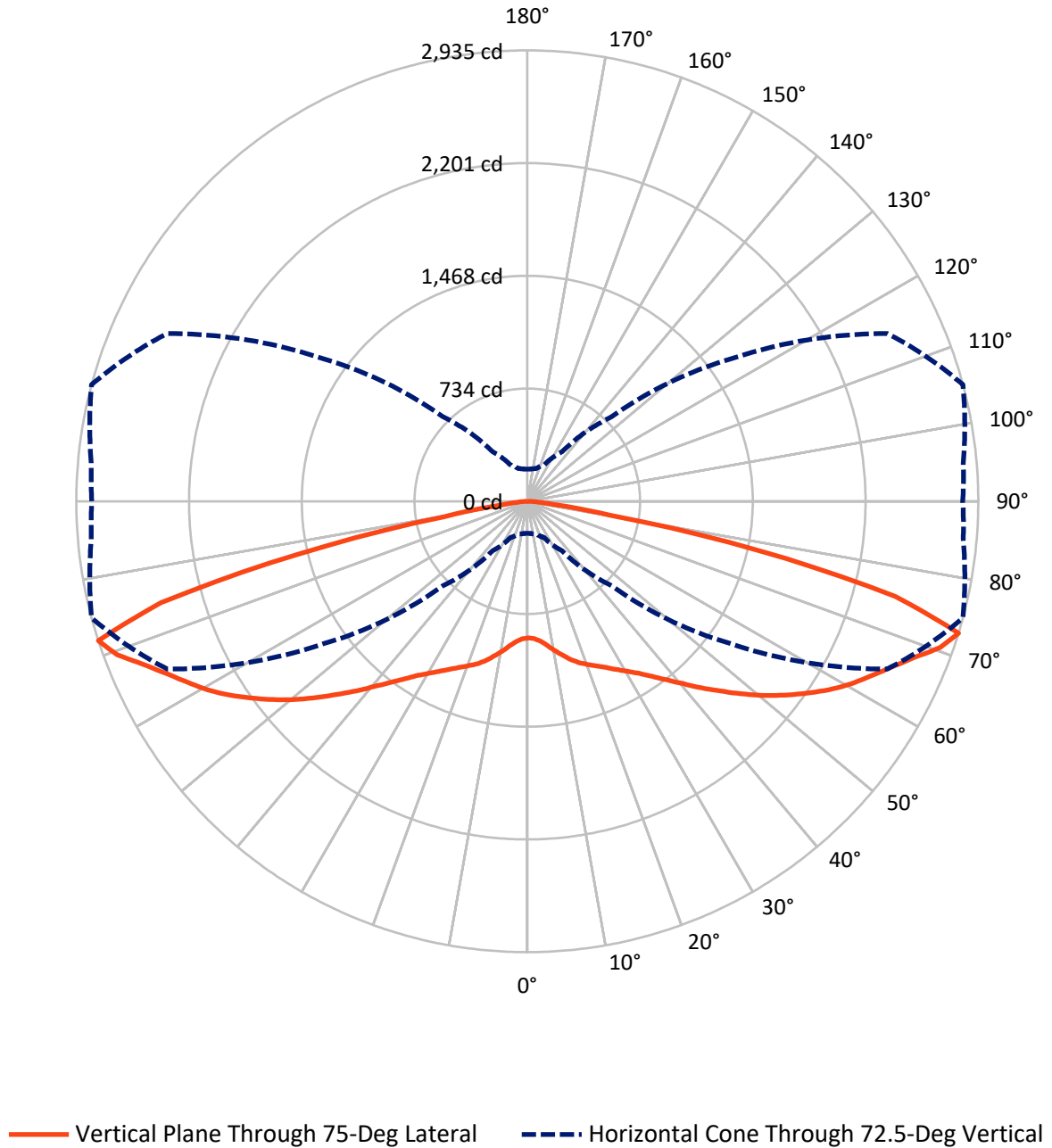
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	4150.0	0.0	4150.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4150.0	0.0	4150.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8300.0	0.0	8300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	1.0
10°-20°	287.3	3.5
20°-30°	555.0	6.7
30°-40°	937.2	11.3
40°-50°	1486.3	17.9
50°-60°	1990.0	24.0
60°-70°	1893.9	22.8
70°-80°	988.3	11.9
80°-90°	74.8	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°	8300.0	100.0
0°-180°	8300.0	100.0

Coefficient of Utilization



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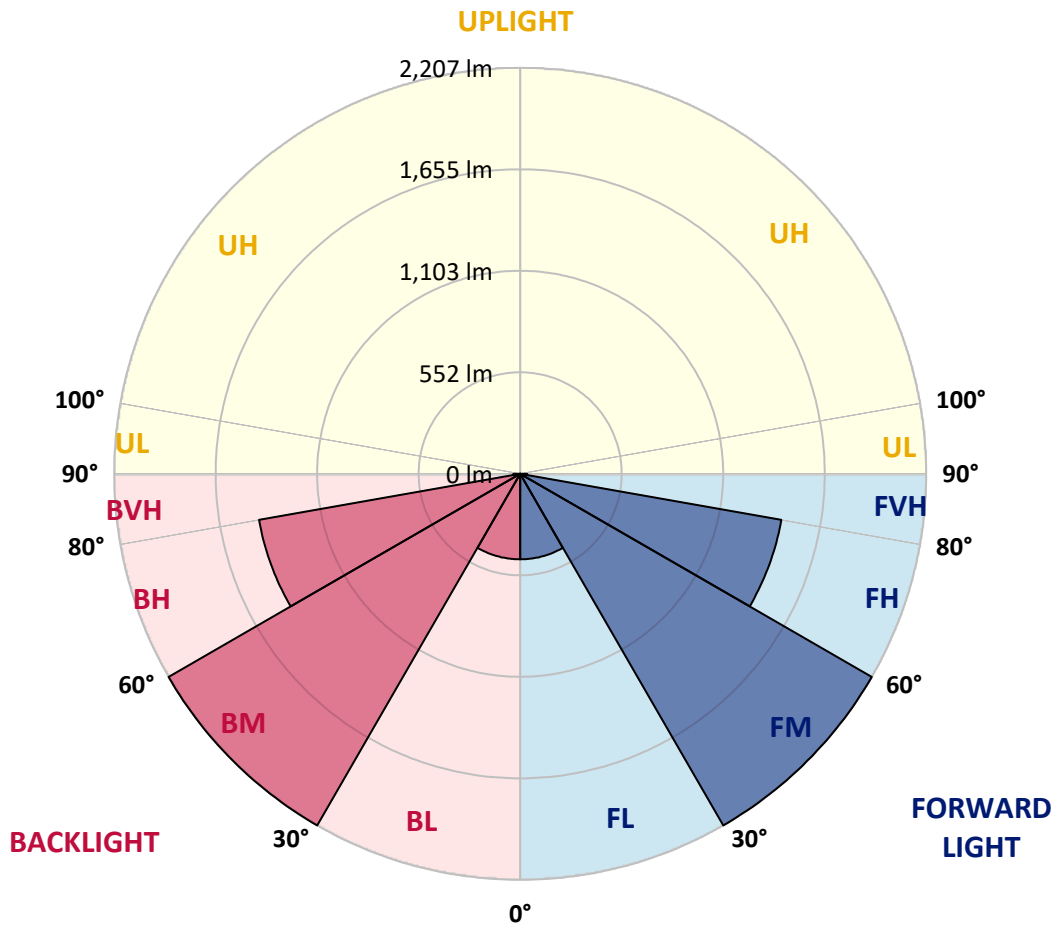
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.7	5.6			
FM (30°-60°)	2206.8	26.6			
FH (60°-80°)	1441.1	17.4			G1/1800
FVH (80°-90°)	37.4	0.5			G1/100
BL (0°-30°)	464.7	5.6	B1/500		
BM (30°-60°)	2206.8	26.6	B2/2500		
BH (60°-80°)	1441.1	17.4	B3/2500		G3/2500
BVH (80°-90°)	37.4	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°	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1
2.5°	889.1	888.2	889.1	889.9	889.5	889.5	891.6	892.9	895.4	895.0
5°	883.1	882.7	886.1	889.9	892.9	898.0	904.3	909.0	914.9	916.2
7.5°	880.2	878.9	884.8	891.6	900.9	913.7	925.9	938.7	948.8	952.2
10°	882.3	882.7	890.8	903.5	918.3	936.1	953.5	975.1	989.5	992.9
12.5°	892.0	891.2	904.8	925.1	945.4	967.9	988.2	1012.0	1027.7	1035.7
15°	909.8	908.1	927.2	957.3	987.0	1013.2	1029.8	1052.2	1070.5	1080.6
17.5°	931.0	931.9	956.9	995.9	1034.9	1064.5	1080.2	1091.6	1105.6	1114.5
20°	968.3	970.0	998.0	1044.2	1088.7	1122.6	1135.3	1131.1	1134.9	1141.6
22.5°	1018.3	1019.2	1050.5	1100.5	1147.2	1184.4	1192.9	1175.6	1165.0	1169.6
25°	1076.4	1081.9	1113.3	1164.5	1212.4	1248.0	1251.8	1225.6	1199.3	1200.6
27.5°	1147.2	1152.2	1184.0	1234.9	1283.6	1314.5	1314.1	1279.0	1240.4	1230.6
30°	1223.9	1229.4	1262.0	1314.5	1359.9	1387.0	1381.1	1339.1	1284.0	1265.8
32.5°	1315.0	1318.4	1351.4	1404.0	1445.9	1467.5	1455.2	1403.5	1334.9	1314.1
35°	1425.2	1430.2	1454.8	1504.4	1541.3	1559.1	1538.3	1477.3	1400.2	1376.8
37.5°	1551.0	1547.6	1575.6	1619.7	1650.2	1661.2	1632.8	1560.3	1474.7	1447.2
40°	1682.4	1680.7	1711.2	1753.6	1770.1	1776.9	1734.9	1655.7	1560.8	1531.1
42.5°	1801.5	1800.2	1841.3	1888.3	1908.3	1900.6	1847.7	1757.0	1660.3	1626.4
45°	1896.8	1895.1	1945.5	2011.7	2050.6	2037.9	1966.7	1868.8	1761.2	1726.0
47.5°	1970.1	1971.0	2025.2	2107.0	2175.2	2179.9	2088.4	1982.8	1872.2	1832.4
50°	2023.1	2025.6	2083.7	2174.4	2267.6	2308.7	2212.5	2099.8	1987.1	1942.2
52.5°	2036.2	2040.9	2110.8	2217.2	2326.9	2405.3	2338.8	2212.1	2096.0	2053.2
55°	1966.3	1975.6	2064.2	2213.8	2363.4	2468.9	2449.8	2326.1	2205.7	2161.7
57.5°	1805.7	1818.8	1922.2	2117.6	2355.3	2512.6	2535.9	2435.4	2315.5	2273.1
60°	1580.7	1596.4	1695.5	1908.7	2241.8	2528.7	2596.5	2541.8	2416.4	2375.3
62.5°	1241.2	1261.6	1380.2	1630.3	2001.9	2453.7	2648.2	2638.0	2507.0	2455.8
65°	796.3	817.9	942.9	1238.3	1682.0	2224.0	2664.3	2731.6	2602.8	2531.2
67.5°	480.1	489.9	551.8	750.5	1229.4	1877.7	2527.8	2835.5	2714.7	2625.7
70°	307.2	312.7	349.6	440.7	695.0	1370.1	2189.6	2855.0	2850.3	2722.8
72.5°	208.5	210.2	219.9	261.0	393.3	778.5	1615.0	2584.6	2935.1	2847.8
75°	152.6	161.9	177.6	184.8	223.3	389.0	925.5	1815.9	2473.6	2511.7
77.5°	113.6	114.0	135.6	144.1	159.3	207.2	391.6	1013.7	1535.8	1612.5
80°	96.2	91.1	90.7	116.1	119.9	129.3	175.0	350.0	550.1	333.5
82.5°	80.1	74.6	67.4	90.7	81.8	79.2	75.9	142.4	175.0	86.0
85°	55.9	53.4	50.9	59.3	46.6	39.8	36.4	66.5	73.7	36.4
87.5°	24.2	25.0	25.4	26.3	19.5	14.0	14.0	18.6	18.6	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
889.1
894.6
916.2
953.1
996.3
1039.1
1084.4
1118.8
1146.7
1173.0
1202.7
1233.6
1267.9
1319.2
1380.2
1452.3
1540.8
1634.9
1734.1
1844.3
1955.7
2064.2
2174.0
2282.9
2384.2
2461.7
2540.1
2632.5
2721.9
2834.2
2419.3
1438.3
252.1
73.3
32.2
10.6
0.0

OF REPORT)