

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: P946304

Luminaire Tested: **GALN-SB2A-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946304
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-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9238 lumens
Efficiency: N/A
Efficacy: 161.2 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): 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

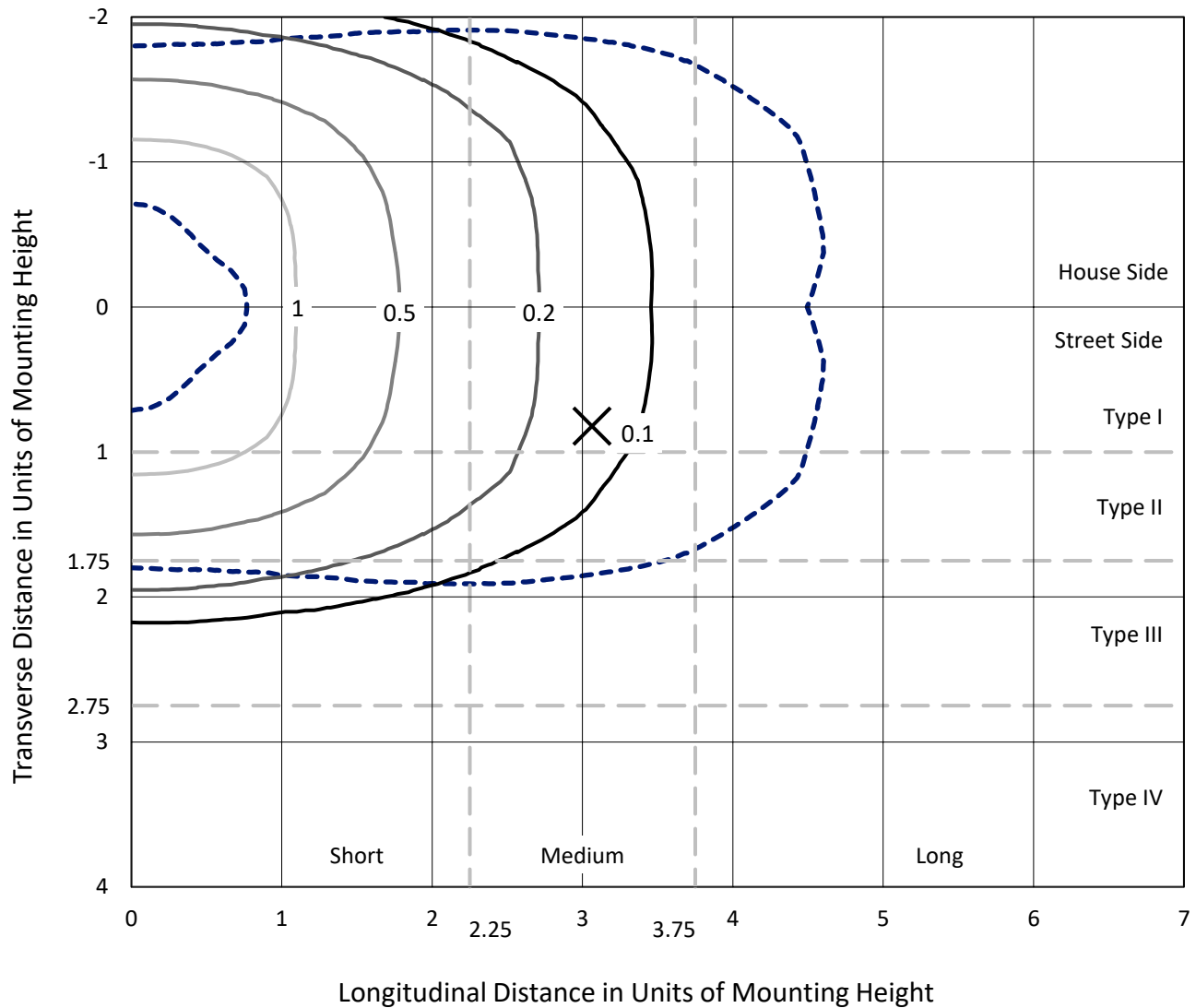


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

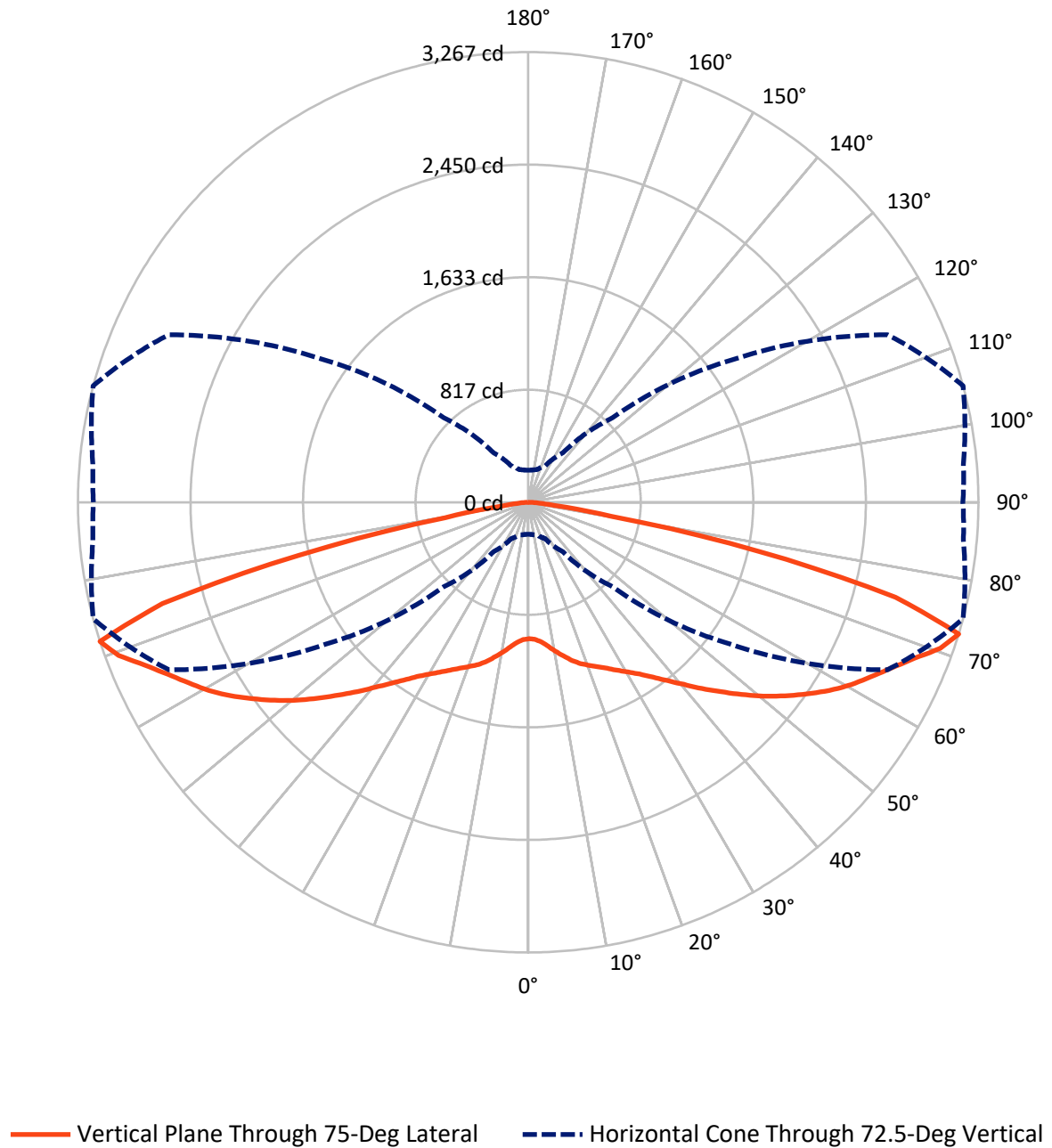


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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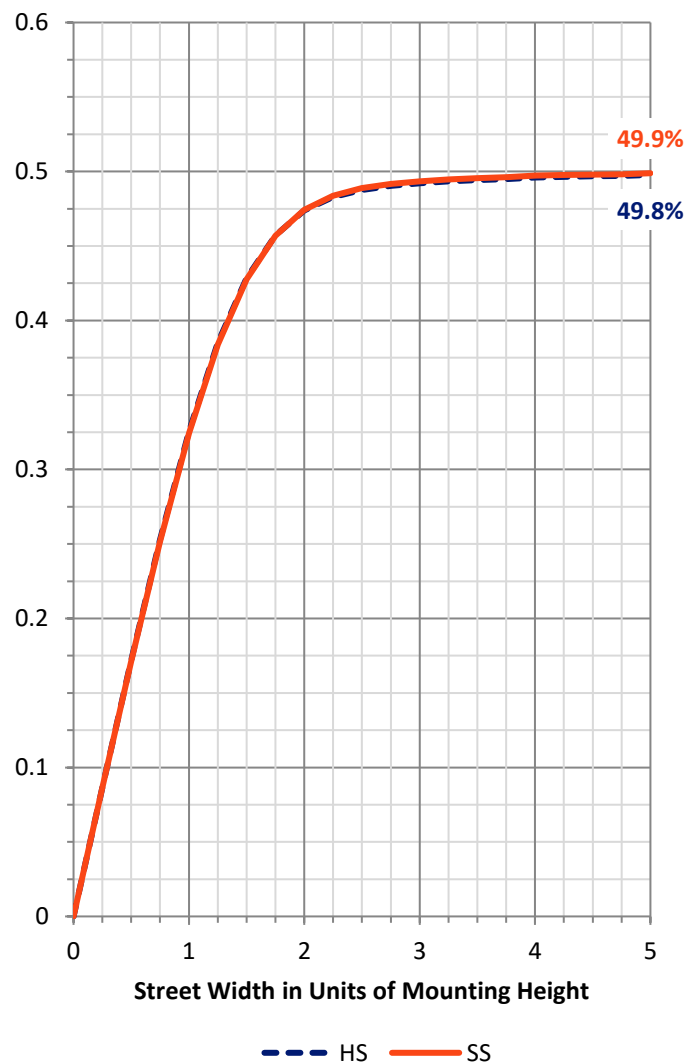
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4619.0	0.0	4619.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4619.0	0.0	4619.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9238.0	0.0	9238.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	1.0
10°-20°	319.7	3.5
20°-30°	617.8	6.7
30°-40°	1043.2	11.3
40°-50°	1654.3	17.9
50°-60°	2215.0	24.0
60°-70°	2107.9	22.8
70°-80°	1099.9	11.9
80°-90°	83.3	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°	9238.0	100.0
0°-180°	9238.0	100.0

Coefficient of Utilization



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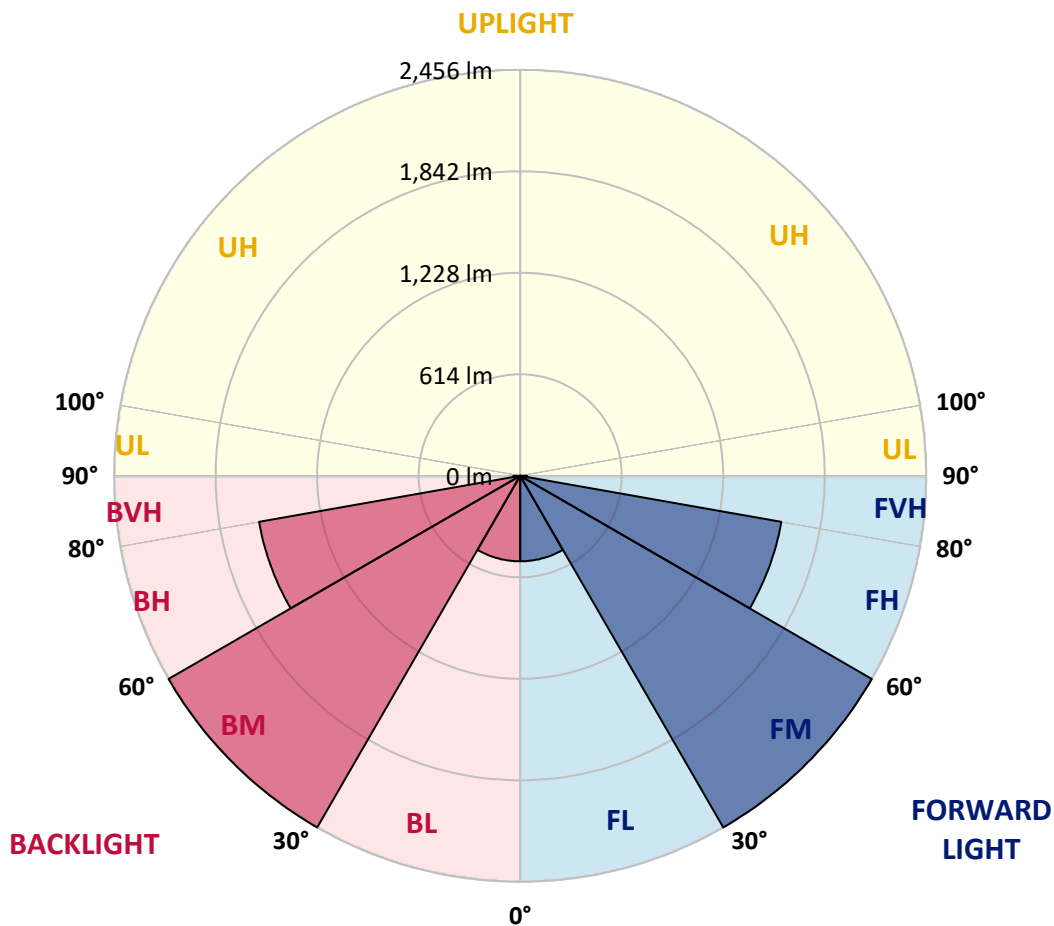
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	517.2	5.6			
FM	(30°-60°)	2456.2	26.6			
FH	(60°-80°)	1603.9	17.4			G1/1800
FVH	(80°-90°)	41.6	0.5			G1/100
BL	(0°-30°)	517.2	5.6	B2/1000		
BM	(30°-60°)	2456.2	26.6	B2/2500		
BH	(60°-80°)	1603.9	17.4	B3/2500		G3/2500
BVH	(80°-90°)	41.6	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°	90°
0°	989.6	989.6	989.6	989.6	989.6	989.6	989.6	989.6	989.6	989.6	989.6
2.5°	989.6	988.6	989.6	990.5	990.0	990.0	992.4	993.8	996.6	996.2	995.7
5°	983.0	982.5	986.3	990.5	993.8	999.5	1006.5	1011.7	1018.3	1019.7	1019.7
7.5°	979.7	978.2	984.8	992.4	1002.8	1016.9	1030.6	1044.7	1056.1	1059.8	1060.8
10°	982.0	982.5	991.4	1005.6	1022.1	1041.9	1061.2	1085.3	1101.3	1105.1	1108.9
12.5°	992.9	991.9	1007.0	1029.6	1052.3	1077.3	1099.9	1126.3	1143.8	1152.8	1156.5
15°	1012.7	1010.8	1032.0	1065.5	1098.5	1127.8	1146.1	1171.1	1191.4	1202.7	1207.0
17.5°	1036.3	1037.2	1065.0	1108.4	1151.8	1184.8	1202.3	1215.0	1230.6	1240.5	1245.2
20°	1077.8	1079.6	1110.8	1162.2	1211.7	1249.4	1263.6	1258.9	1263.1	1270.7	1276.3
22.5°	1133.4	1134.4	1169.3	1224.9	1276.8	1318.3	1327.7	1308.4	1296.6	1301.8	1305.6
25°	1198.0	1204.2	1239.1	1296.1	1349.4	1389.1	1393.3	1364.1	1334.8	1336.2	1338.6
27.5°	1276.8	1282.5	1317.8	1374.4	1428.7	1463.1	1462.6	1423.5	1380.6	1369.7	1373.0
30°	1362.2	1368.3	1404.6	1463.1	1513.6	1543.8	1537.2	1490.5	1429.1	1408.9	1411.2
32.5°	1463.6	1467.4	1504.1	1562.6	1609.3	1633.4	1619.7	1562.2	1485.7	1462.6	1468.3
35°	1586.2	1591.9	1619.2	1674.4	1715.4	1735.3	1712.1	1644.2	1558.4	1532.4	1536.2
37.5°	1726.3	1722.5	1753.7	1802.7	1836.7	1848.9	1817.3	1736.7	1641.4	1610.7	1616.4
40°	1872.5	1870.6	1904.6	1951.8	1970.1	1977.7	1931.0	1842.8	1737.1	1704.1	1715.0
42.5°	2005.1	2003.6	2049.4	2101.7	2123.9	2115.4	2056.5	1955.5	1848.0	1810.3	1819.7
45°	2111.2	2109.3	2165.4	2239.0	2282.4	2268.2	2189.0	2080.0	1960.2	1921.1	1930.1
47.5°	2192.8	2193.7	2254.1	2345.1	2421.1	2426.2	2324.4	2206.9	2083.8	2039.5	2052.7
50°	2251.7	2254.6	2319.2	2420.1	2523.9	2569.6	2462.6	2337.1	2211.6	2161.6	2176.7
52.5°	2266.4	2271.5	2349.4	2467.8	2589.9	2677.2	2603.1	2462.1	2332.9	2285.2	2297.5
55°	2188.5	2198.9	2297.5	2464.0	2630.5	2747.9	2726.7	2589.0	2455.0	2406.0	2419.6
57.5°	2009.8	2024.4	2139.5	2356.9	2621.5	2796.5	2822.4	2710.7	2577.2	2530.0	2540.9
60°	1759.3	1776.8	1887.1	2124.4	2495.1	2814.4	2889.9	2829.1	2689.4	2643.7	2653.6
62.5°	1381.5	1404.1	1536.2	1814.5	2228.1	2730.9	2947.4	2936.1	2790.4	2733.3	2739.9
65°	886.3	910.3	1049.5	1378.2	1872.0	2475.3	2965.4	3040.4	2897.0	2817.3	2827.2
67.5°	534.4	545.2	614.1	835.3	1368.3	2090.0	2813.5	3155.9	3021.5	2922.4	2930.0
70°	342.0	348.1	389.1	490.5	773.5	1524.9	2437.1	3177.6	3172.4	3030.5	3029.5
72.5°	232.1	233.9	244.8	290.5	437.7	866.5	1797.5	2876.7	3266.8	3169.6	3154.5
75°	169.8	180.2	197.6	205.6	248.6	433.0	1030.1	2021.1	2753.1	2795.6	2692.7
77.5°	126.4	126.9	150.9	160.4	177.3	230.6	435.8	1128.2	1709.3	1794.7	1600.8
80°	107.1	101.4	100.9	129.2	133.5	143.9	194.8	389.6	612.2	371.2	280.6
82.5°	89.1	83.0	75.0	100.9	91.0	88.2	84.4	158.5	194.8	95.7	81.6
85°	62.3	59.4	56.6	66.0	51.9	44.3	40.6	74.1	82.1	40.6	35.8
87.5°	26.9	27.8	28.3	29.2	21.7	15.6	15.6	20.8	20.8	16.0	11.8
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)