

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: P946661

Luminaire Tested: **GALN-SB2B-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946661
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-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11596 lumens
Efficiency: N/A
Efficacy: 156.9 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): 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

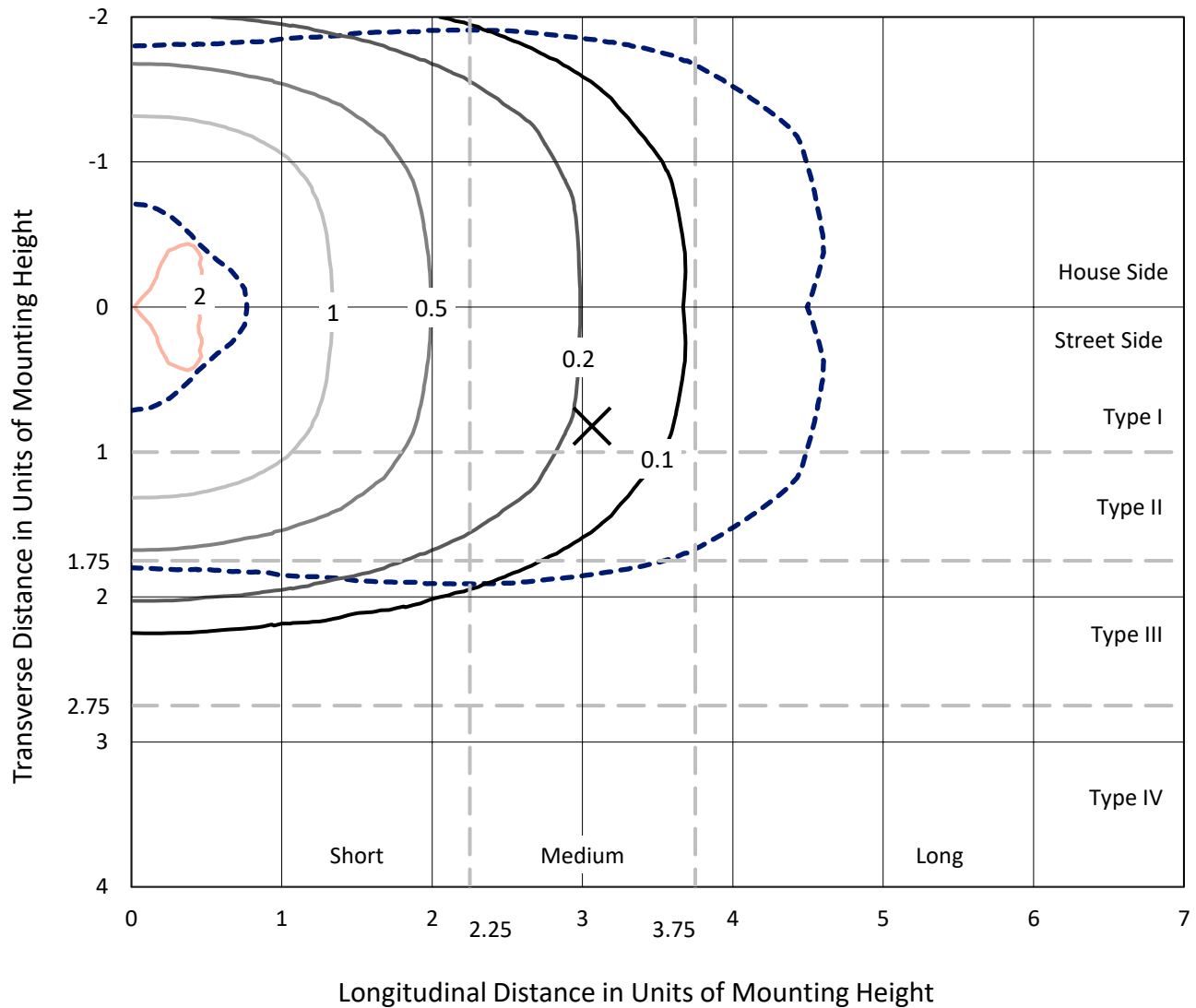


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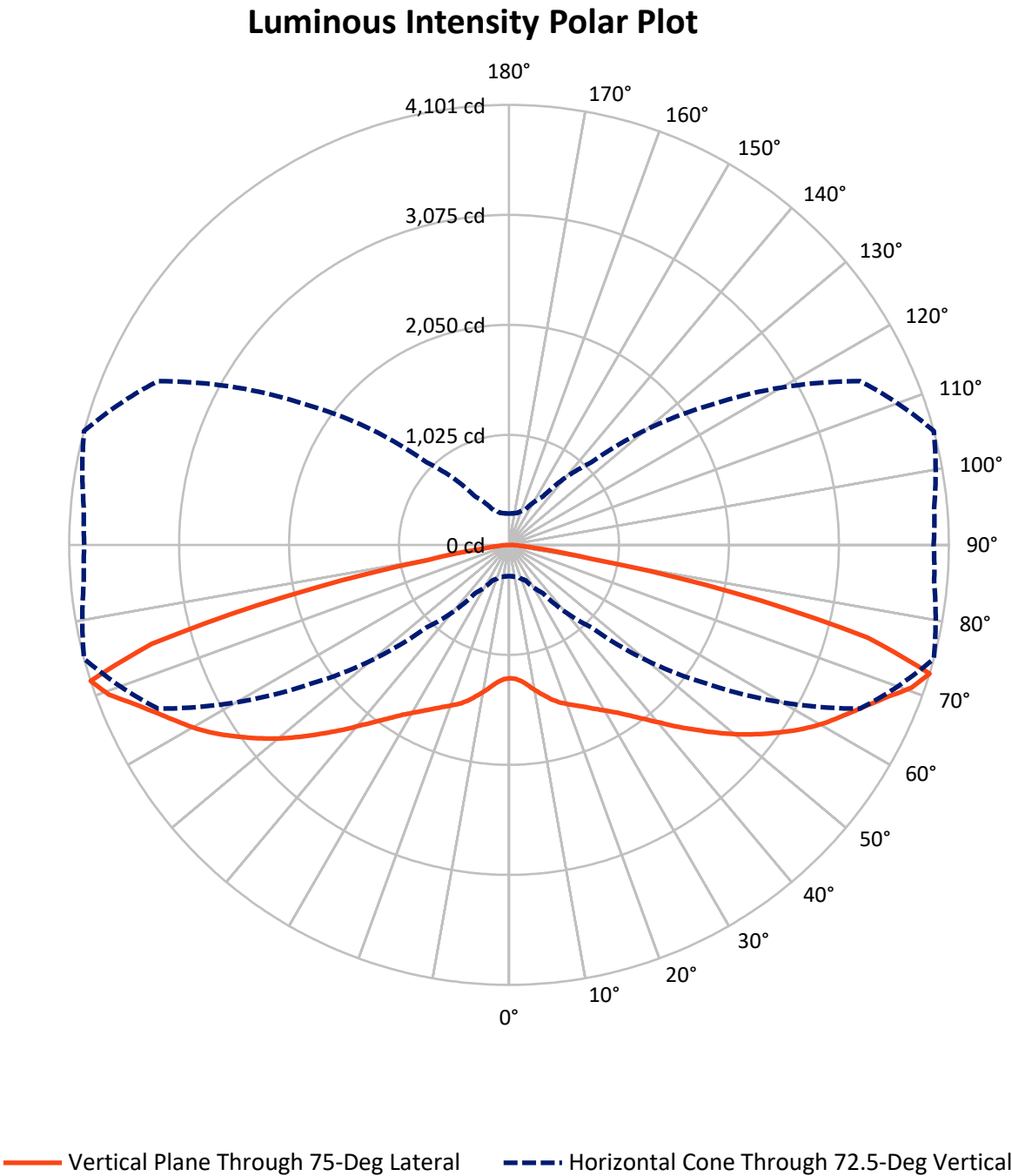
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5798.0	0.0	5798.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5798.0	0.0	5798.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11596.0	0.0	11596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	1.0
10°-20°	401.3	3.5
20°-30°	775.5	6.7
30°-40°	1309.4	11.3
40°-50°	2076.6	17.9
50°-60°	2780.3	24.0
60°-70°	2646.0	22.8
70°-80°	1380.7	11.9
80°-90°	104.5	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°	11596.0	100.0
0°-180°	11596.0	100.0

Coefficient of Utilization



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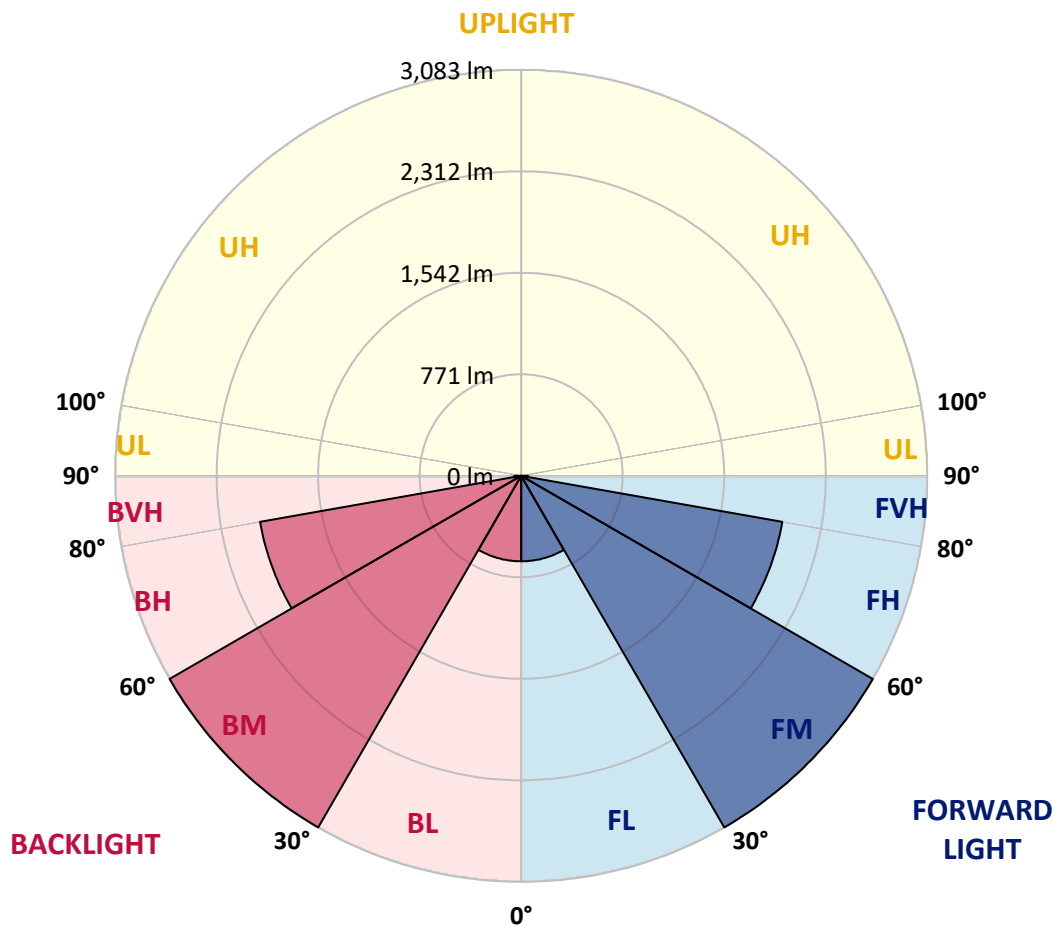
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	649.2	5.6			
FM	(30°-60°)	3083.2	26.6			
FH	(60°-80°)	2013.3	17.4			G2/5000
FVH	(80°-90°)	52.3	0.5			G1/100
BL	(0°-30°)	649.2	5.6	B2/1000		
BM	(30°-60°)	3083.2	26.6	B3/5000		
BH	(60°-80°)	2013.3	17.4	B3/2500		G3/2500
BVH	(80°-90°)	52.3	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°	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
2.5°	1242.1	1241.0	1242.1	1243.3	1242.7	1242.7	1245.7	1247.5	1251.0	1250.4	1249.8
5°	1233.9	1233.3	1238.0	1243.3	1247.5	1254.6	1263.5	1270.0	1278.3	1280.0	1280.0
7.5°	1229.7	1227.9	1236.2	1245.7	1258.7	1276.5	1293.6	1311.4	1325.6	1330.4	1331.5
10°	1232.7	1233.3	1244.5	1262.3	1283.0	1307.9	1332.1	1362.3	1382.5	1387.2	1391.9
12.5°	1246.3	1245.1	1264.0	1292.5	1320.9	1352.3	1380.7	1413.8	1435.7	1447.0	1451.7
15°	1271.2	1268.8	1295.4	1337.5	1378.9	1415.6	1438.7	1470.1	1495.5	1509.7	1515.1
17.5°	1300.8	1301.9	1336.9	1391.3	1445.8	1487.3	1509.2	1525.1	1544.7	1557.1	1563.0
20°	1352.9	1355.2	1394.3	1458.8	1521.0	1568.4	1586.1	1580.2	1585.5	1595.0	1602.1
22.5°	1422.7	1423.9	1467.7	1537.6	1602.7	1654.8	1666.6	1642.4	1627.6	1634.1	1638.8
25°	1503.8	1511.5	1555.3	1627.0	1693.9	1743.6	1748.9	1712.2	1675.5	1677.3	1680.3
27.5°	1602.7	1609.8	1654.2	1725.3	1793.3	1836.6	1836.0	1786.8	1733.0	1719.3	1723.5
30°	1709.9	1717.6	1763.2	1836.6	1899.9	1937.8	1929.5	1870.9	1793.9	1768.5	1771.4
32.5°	1837.2	1841.9	1888.1	1961.5	2020.1	2050.3	2033.1	1960.9	1865.0	1836.0	1843.1
35°	1991.1	1998.2	2032.5	2101.8	2153.3	2178.2	2149.2	2063.9	1956.2	1923.6	1928.3
37.5°	2166.9	2162.2	2201.3	2262.8	2305.5	2320.9	2281.2	2180.0	2060.4	2021.9	2029.0
40°	2350.5	2348.1	2390.7	2449.9	2473.0	2482.5	2423.9	2313.2	2180.6	2139.1	2152.7
42.5°	2516.8	2515.1	2572.5	2638.2	2666.0	2655.4	2581.4	2454.7	2319.7	2272.3	2284.2
45°	2650.1	2647.7	2718.1	2810.5	2865.0	2847.2	2747.7	2611.0	2460.6	2411.5	2422.7
47.5°	2752.5	2753.7	2829.4	2943.7	3039.0	3045.6	2917.7	2770.2	2615.7	2560.1	2576.6
50°	2826.5	2830.0	2911.2	3037.9	3168.1	3225.5	3091.1	2933.7	2776.2	2713.4	2732.4
52.5°	2844.8	2851.4	2949.0	3097.7	3251.0	3360.5	3267.6	3090.5	2928.3	2868.5	2883.9
55°	2747.2	2760.2	2883.9	3092.9	3301.9	3449.3	3422.7	3249.8	3081.7	3020.1	3037.3
57.5°	2522.8	2541.1	2685.6	2958.5	3290.7	3510.3	3542.9	3402.6	3235.0	3175.8	3189.4
60°	2208.4	2230.3	2368.8	2666.6	3132.0	3532.8	3627.5	3551.2	3375.9	3318.5	3330.9
62.5°	1734.1	1762.6	1928.3	2277.6	2796.9	3428.0	3699.8	3685.6	3502.6	3431.0	3439.3
65°	1112.5	1142.7	1317.3	1730.0	2349.9	3107.1	3722.3	3816.4	3636.4	3536.4	3548.8
67.5°	670.8	684.4	770.9	1048.5	1717.6	2623.4	3531.6	3961.5	3792.7	3668.4	3677.9
70°	429.2	436.9	488.4	615.7	971.0	1914.1	3059.2	3988.7	3982.2	3804.0	3802.8
72.5°	291.3	293.7	307.3	364.7	549.4	1087.6	2256.3	3611.0	4100.6	3978.6	3959.7
75°	213.1	226.2	248.1	258.1	312.0	543.5	1293.1	2537.0	3455.8	3509.1	3380.1
77.5°	158.7	159.3	189.5	201.3	222.6	289.5	547.1	1416.2	2145.6	2252.8	2009.4
80°	134.4	127.3	126.7	162.2	167.6	180.6	244.5	489.0	768.5	466.0	352.3
82.5°	111.9	104.2	94.1	126.7	114.3	110.7	106.0	198.9	244.5	120.2	102.4
85°	78.2	74.6	71.0	82.9	65.1	55.7	50.9	93.0	103.0	50.9	45.0
87.5°	33.7	34.9	35.5	36.7	27.2	19.5	19.5	26.1	26.1	20.1	14.8
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)