

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: P947291

Luminaire Tested: **GALN-SB2C-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947291
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-SB2C-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11176 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

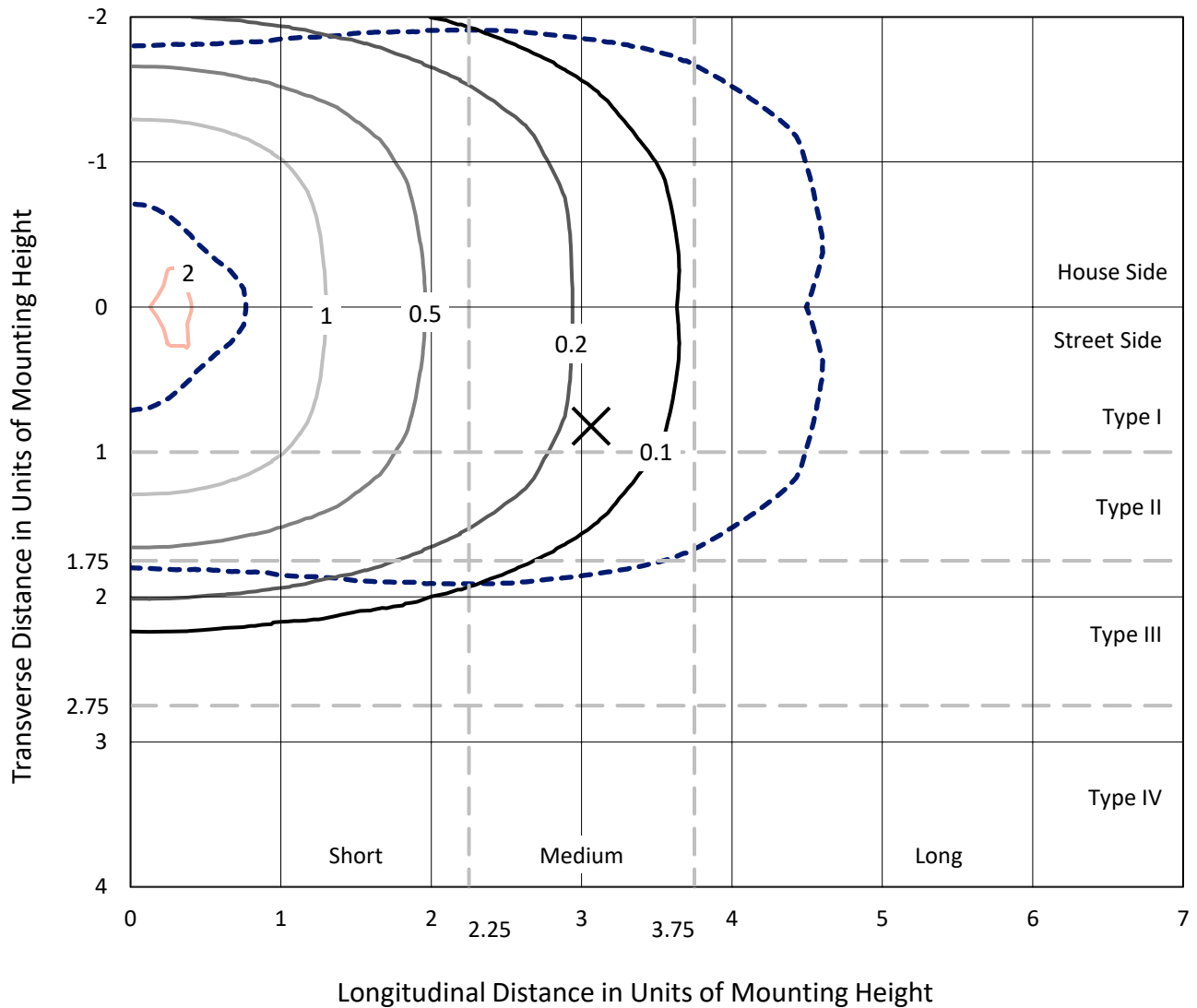
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947291
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Iso-Footcandle Lines of Horizontal Illumination

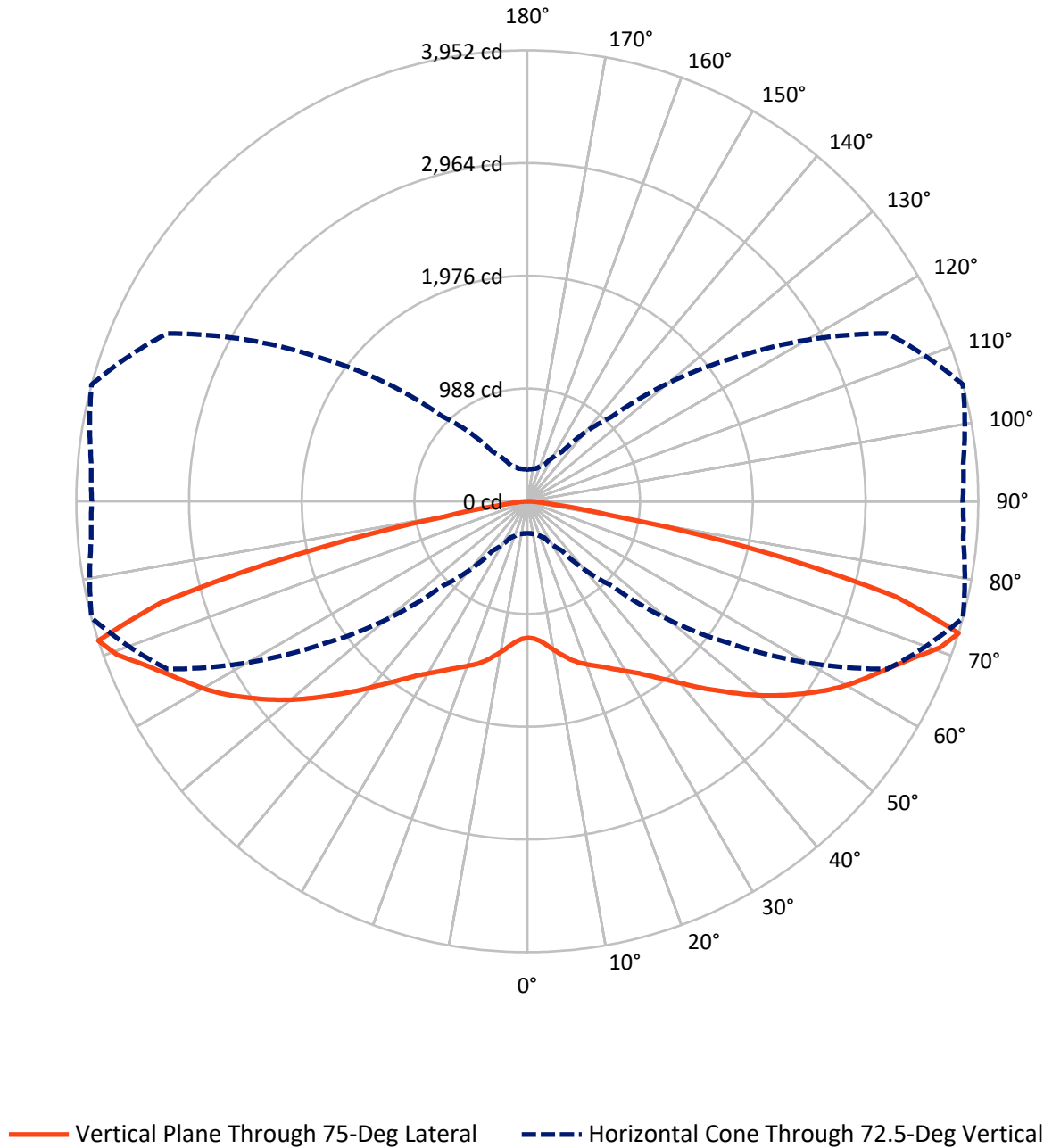
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P947291
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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5588.0	0.0	5588.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5588.0	0.0	5588.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11176.0	0.0	11176.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	1.0
10°-20°	386.8	3.5
20°-30°	747.4	6.7
30°-40°	1262.0	11.3
40°-50°	2001.4	17.9
50°-60°	2679.6	24.0
60°-70°	2550.1	22.8
70°-80°	1330.7	11.9
80°-90°	100.7	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°	11176.0	100.0
0°-180°	11176.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947291

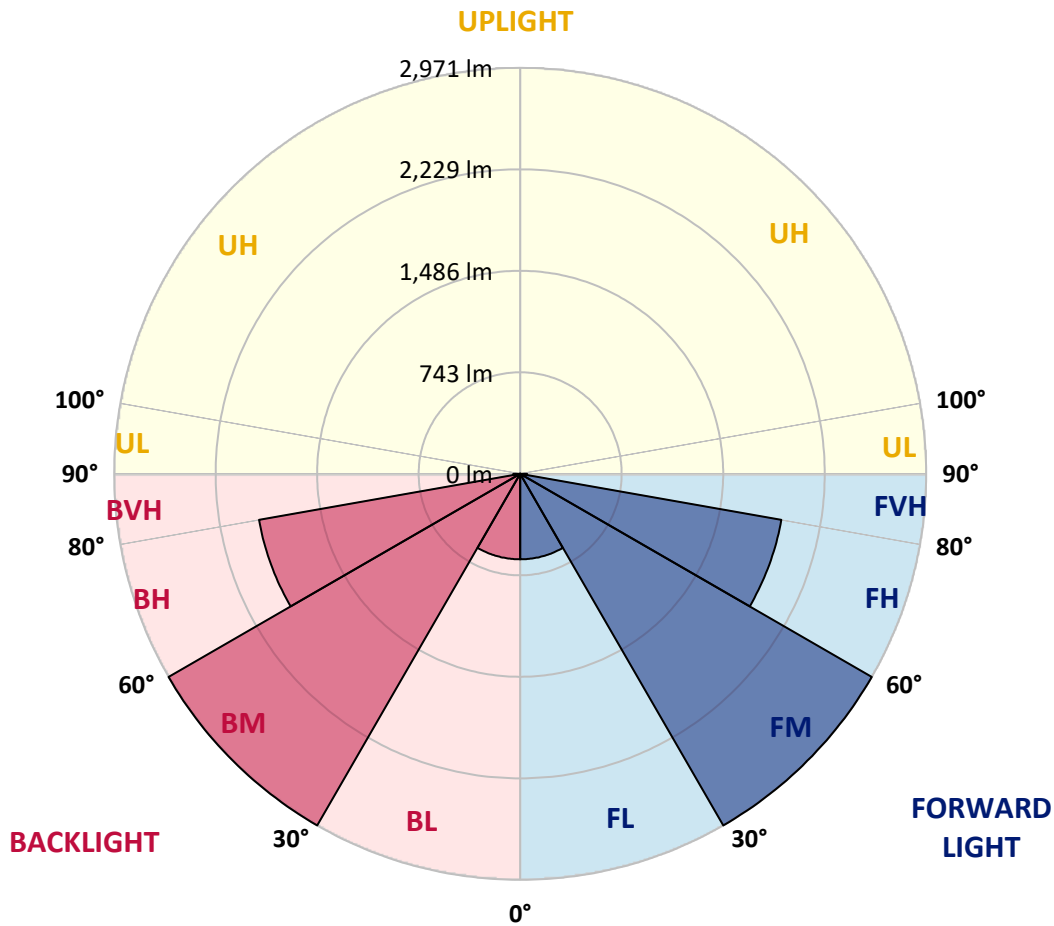
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.7	5.6			
FM (30°-60°)	2971.5	26.6			
FH (60°-80°)	1940.4	17.4			G2/5000
FVH (80°-90°)	50.4	0.5			G1/100
BL (0°-30°)	625.7	5.6	B2/1000		
BM (30°-60°)	2971.5	26.6	B3/5000		
BH (60°-80°)	1940.4	17.4	B3/2500		G3/2500
BVH (80°-90°)	50.4	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°	1197.1	1197.1	1197.1	1197.1	1197.1	1197.1	1197.1	1197.1	1197.1	1197.1
2.5°	1197.1	1196.0	1197.1	1198.3	1197.7	1197.7	1200.6	1202.3	1205.7	1205.1
5°	1189.2	1188.6	1193.2	1198.3	1202.3	1209.1	1217.7	1224.0	1232.0	1233.7
7.5°	1185.2	1183.5	1191.4	1200.6	1213.1	1230.2	1246.8	1263.9	1277.6	1282.2
10°	1188.0	1188.6	1199.4	1216.6	1236.5	1260.5	1283.9	1313.0	1332.4	1337.0
12.5°	1201.1	1200.0	1218.3	1245.7	1273.0	1303.3	1330.7	1362.6	1383.7	1394.6
15°	1225.1	1222.8	1248.5	1289.0	1329.0	1364.3	1386.6	1416.8	1441.4	1455.1
17.5°	1253.6	1254.8	1288.4	1340.9	1393.4	1433.4	1454.5	1469.9	1488.7	1500.7
20°	1303.9	1306.1	1343.8	1406.0	1465.9	1511.6	1528.7	1523.0	1528.1	1537.2
22.5°	1371.2	1372.3	1414.6	1481.9	1544.7	1594.9	1606.3	1582.9	1568.6	1574.9
25°	1449.4	1456.8	1499.0	1568.0	1632.5	1680.5	1685.6	1650.2	1614.8	1616.6
27.5°	1544.7	1551.5	1594.3	1662.8	1728.4	1770.0	1769.5	1722.1	1670.2	1657.1
30°	1647.9	1655.4	1699.3	1770.0	1831.1	1867.6	1859.6	1803.1	1729.0	1704.4
32.5°	1770.6	1775.2	1819.7	1890.4	1946.9	1976.0	1959.5	1889.9	1797.4	1769.5
35°	1919.0	1925.8	1958.9	2025.7	2075.3	2099.3	2071.3	1989.2	1885.3	1853.9
37.5°	2088.4	2083.9	2121.5	2180.9	2222.0	2236.8	2198.6	2101.0	1985.7	1948.6
40°	2265.3	2263.1	2304.1	2361.2	2383.5	2392.6	2336.1	2229.4	2101.6	2061.6
42.5°	2425.7	2424.0	2479.3	2542.7	2569.5	2559.2	2487.9	2365.8	2235.7	2190.0
45°	2554.1	2551.8	2619.7	2708.7	2761.2	2744.1	2648.2	2516.4	2371.5	2324.1
47.5°	2652.8	2653.9	2727.0	2837.1	2929.0	2935.2	2812.0	2669.9	2521.0	2467.3
50°	2724.1	2727.5	2805.7	2927.8	3053.4	3108.7	2979.2	2827.4	2675.6	2615.1
52.5°	2741.8	2748.1	2842.2	2985.5	3133.2	3238.8	3149.2	2978.6	2822.3	2764.6
55°	2647.7	2660.2	2779.5	2980.9	3182.3	3324.4	3298.7	3132.1	2970.0	2910.7
57.5°	2431.4	2449.1	2588.3	2851.4	3171.5	3383.2	3414.6	3279.3	3117.8	3060.8
60°	2128.4	2149.5	2283.0	2570.0	3018.6	3404.9	3496.2	3422.5	3253.6	3198.3
62.5°	1671.3	1698.7	1858.5	2195.2	2695.6	3303.9	3565.8	3552.1	3375.8	3306.7
65°	1072.2	1101.3	1269.6	1667.3	2264.8	2994.6	3587.5	3678.2	3504.7	3408.3
67.5°	646.5	659.6	742.9	1010.6	1655.4	2528.4	3403.7	3818.0	3655.4	3535.5
70°	413.7	421.1	470.8	593.4	935.8	1844.8	2948.4	3844.2	3838.0	3666.2
72.5°	280.7	283.0	296.1	351.5	529.5	1048.2	2174.6	3480.2	3952.1	3834.5
75°	205.4	218.0	239.1	248.8	300.7	523.8	1246.2	2445.1	3330.7	3382.0
77.5°	152.9	153.5	182.6	194.0	214.6	279.0	527.2	1364.9	2067.9	2171.2
80°	129.5	122.7	122.1	156.3	161.5	174.0	235.7	471.3	740.7	449.1
82.5°	107.8	100.4	90.7	122.1	110.1	106.7	102.1	191.7	235.7	115.8
85°	75.3	71.9	68.5	79.9	62.8	53.6	49.1	89.6	99.3	49.1
87.5°	32.5	33.7	34.2	35.4	26.2	18.8	18.8	25.1	25.1	19.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1197.1
1204.6
1233.7
1283.3
1341.5
1399.1
1460.2
1506.4
1544.1
1579.5
1619.4
1661.1
1707.3
1776.3
1858.5
1955.5
2074.8
2201.4
2335.0
2483.3
2633.4
2779.5
2927.3
3073.9
3210.3
3314.7
3420.3
3544.7
3665.1
3816.3
3257.6
1936.7
339.5
98.7
43.4
14.3
0.0

OF REPORT)