

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: P940193

Luminaire Tested: **GALN-SB3A-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940193  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3A-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8104 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

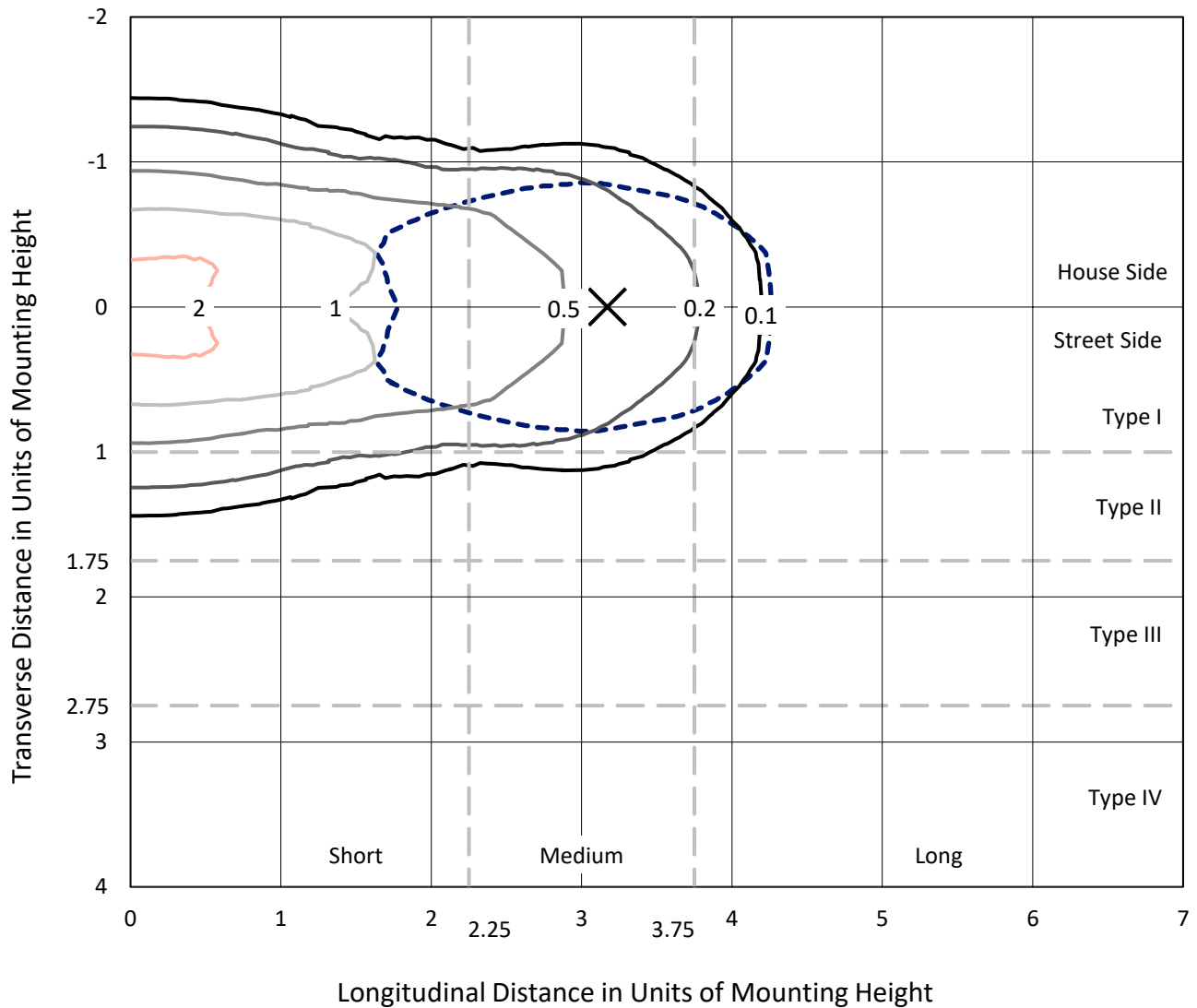
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

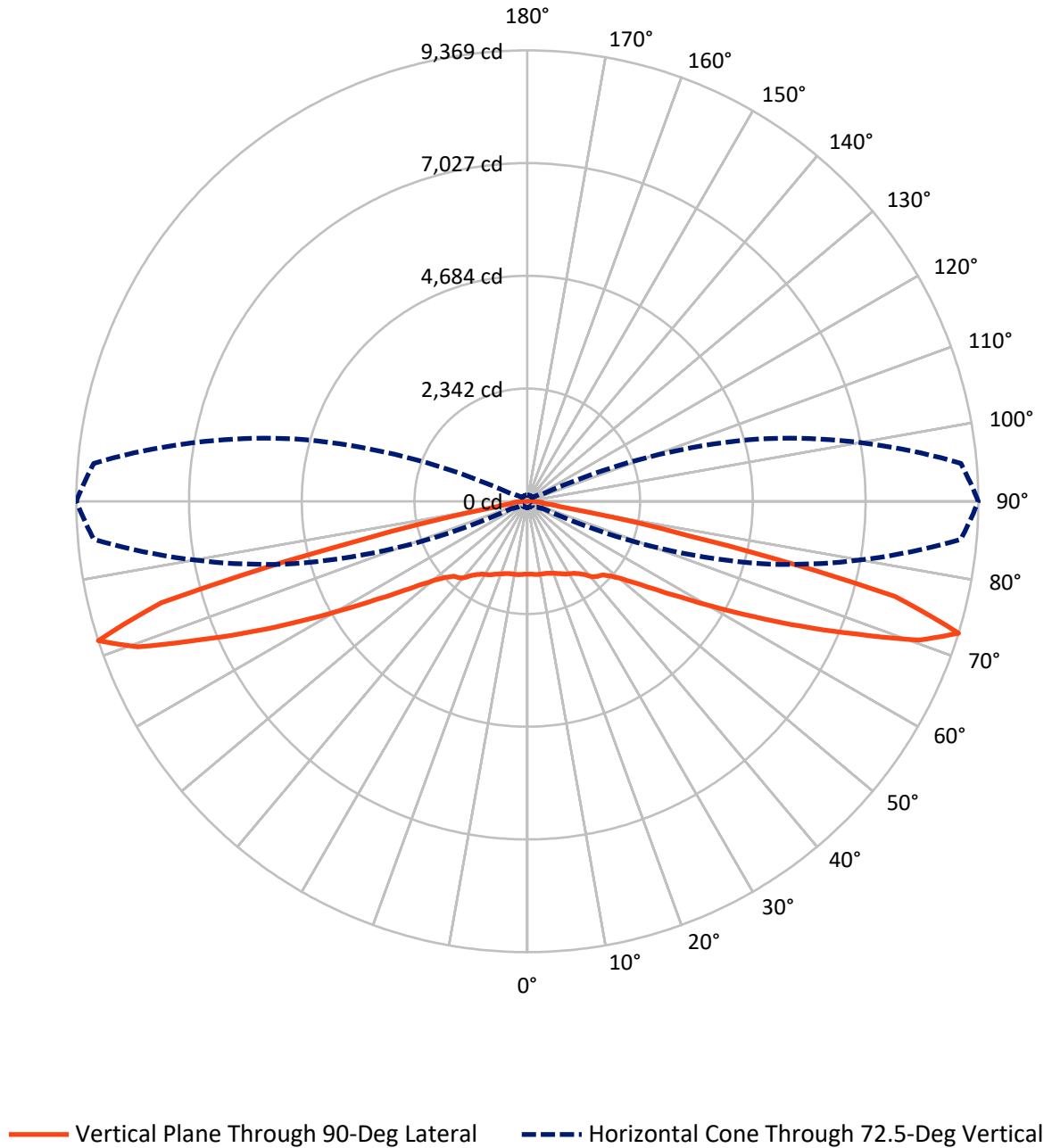
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4052.0	0.0	4052.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4052.0	0.0	4052.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8104.0	0.0	8104.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.8	1.8
10°-20°	448.9	5.5
20°-30°	748.6	9.2
30°-40°	1029.5	12.7
40°-50°	1257.4	15.5
50°-60°	1454.3	17.9
60°-70°	1734.0	21.4
70°-80°	1210.2	14.9
80°-90°	74.3	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°	8104.0	100.0
0°-180°	8104.0	100.0

**Coefficient of Utilization**



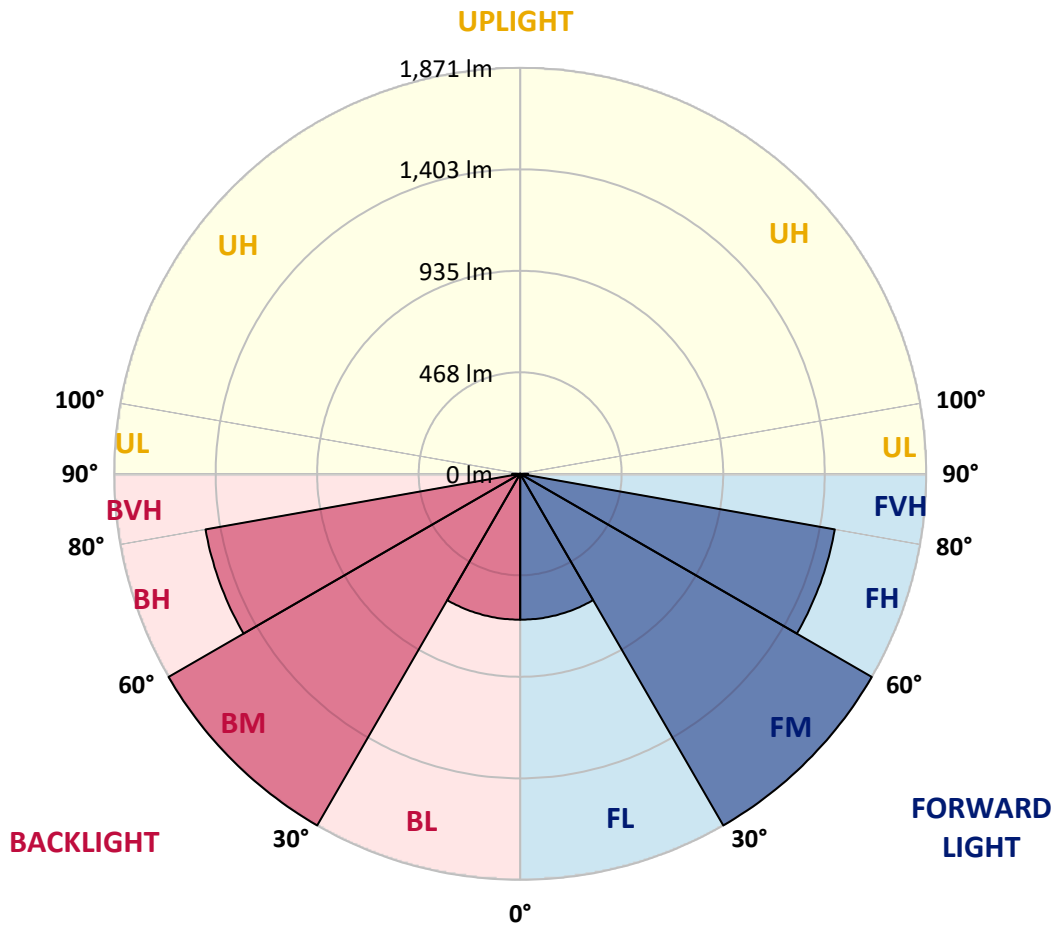
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	672.2	8.3			
FM (30°-60°)	1870.6	23.1			
FH (60°-80°)	1472.1	18.2			G1/1800
FVH (80°-90°)	37.2	0.5			G1/100
BL (0°-30°)	672.2	8.3	B2/1000		
BM (30°-60°)	1870.6	23.1	B2/2500		
BH (60°-80°)	1472.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	37.2	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1514.3	1514.3	1514.3	1514.3	1514.3	1514.3	1514.3	1514.3	1514.3	1514.3
2.5°	1515.6	1517.3	1517.3	1516.0	1519.1	1516.5	1516.5	1515.2	1516.5	1515.2
5°	1523.4	1525.5	1526.4	1525.9	1529.8	1527.7	1527.7	1525.9	1526.4	1525.1
7.5°	1538.0	1541.0	1542.7	1544.9	1550.5	1547.9	1546.2	1541.0	1538.9	1535.4
10°	1542.7	1546.2	1551.8	1563.0	1575.9	1576.3	1571.2	1558.2	1548.3	1540.6
12.5°	1528.1	1532.8	1544.5	1567.3	1596.1	1607.8	1599.6	1578.1	1558.7	1544.9
15°	1509.6	1514.7	1532.4	1566.9	1609.5	1636.6	1635.8	1607.3	1576.3	1554.8
17.5°	1480.7	1485.9	1511.3	1559.5	1619.8	1664.6	1676.7	1647.4	1603.9	1575.0
20°	1428.6	1433.3	1468.7	1536.3	1623.3	1694.3	1725.8	1699.9	1645.7	1606.5
22.5°	1361.0	1368.3	1409.7	1496.2	1615.1	1725.4	1781.8	1764.1	1694.3	1640.1
25°	1288.6	1296.4	1344.6	1447.1	1594.0	1747.8	1848.1	1836.9	1749.5	1681.9
27.5°	1226.2	1234.4	1286.9	1398.5	1561.3	1756.4	1913.6	1919.2	1816.2	1727.9
30°	1177.1	1184.8	1240.8	1359.3	1519.1	1747.8	1970.9	2009.6	1884.3	1768.0
32.5°	1123.2	1133.2	1192.2	1311.5	1469.1	1727.1	2020.8	2107.4	1963.1	1811.1
35°	1055.2	1064.2	1126.3	1246.0	1403.6	1693.9	2062.6	2215.9	2075.9	1876.5
37.5°	972.5	981.1	1042.7	1164.2	1338.6	1647.4	2094.5	2338.2	2210.3	1970.9
40°	889.4	897.6	955.3	1072.9	1260.6	1588.0	2105.7	2458.0	2364.5	2100.5
42.5°	813.1	820.5	873.4	982.8	1173.2	1512.2	2091.0	2562.2	2502.8	2190.9
45°	742.9	749.4	796.4	898.4	1082.3	1420.0	2047.1	2674.2	2667.3	2255.5
47.5°	662.8	669.3	718.0	816.6	991.5	1311.9	1972.6	2784.4	2896.0	2402.0
50°	565.1	570.7	620.6	722.3	897.1	1196.9	1869.2	2871.0	3184.5	2623.8
52.5°	449.2	455.2	503.9	605.6	785.2	1073.3	1733.1	2927.4	3517.9	2947.7
55°	334.2	338.5	380.7	472.0	646.5	932.5	1562.6	2943.4	3896.1	3390.4
57.5°	242.5	245.1	272.2	340.2	490.1	756.3	1355.4	2902.0	4346.1	3958.1
60°	196.4	197.3	205.4	235.6	340.7	557.3	1105.2	2759.9	4834.5	4689.8
62.5°	178.3	178.3	180.5	188.6	230.4	367.8	802.4	2465.3	5358.3	5614.5
65°	165.8	165.8	166.7	170.6	181.8	234.3	506.5	1985.5	5799.7	6697.7
67.5°	154.6	155.0	154.6	155.9	162.4	173.1	293.7	1371.3	6037.5	7820.1
70°	143.0	143.9	141.7	141.7	146.9	147.3	183.9	752.0	5840.2	8760.7
72.5°	129.2	130.5	127.1	126.2	130.1	128.3	138.3	360.9	5014.1	9041.5
75°	117.1	118.9	111.1	109.0	109.0	107.7	112.4	185.2	3254.3	7375.6
77.5°	106.4	109.8	97.3	90.4	88.7	84.8	91.7	113.3	1423.4	3462.8
80°	87.9	92.6	80.1	71.9	68.9	64.6	72.4	79.2	423.4	804.1
82.5°	65.5	67.6	56.9	51.3	48.7	45.7	54.3	55.1	137.8	284.7
85°	41.8	42.6	34.9	30.1	28.9	27.6	34.5	30.1	52.5	209.3
87.5°	14.6	16.8	13.4	12.1	12.9	10.8	15.9	9.0	14.6	147.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1514.3  
1515.2  
1525.1  
1535.4  
1539.3  
1542.7  
1551.4  
1570.3  
1599.2  
1630.2  
1668.1  
1713.3  
1746.9  
1784.4  
1846.8  
1931.2  
2058.3  
2136.7  
2182.3  
2317.6  
2517.8  
2817.2  
3227.2  
3752.6  
4431.0  
5267.8  
6259.3  
7346.8  
8636.3  
9368.9  
7889.0  
3390.8  
770.1  
321.7  
304.1  
183.0  
0.0

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