

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: P939853

Luminaire Tested: **GALN-SB2C-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939853  
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-SB2C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9019 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

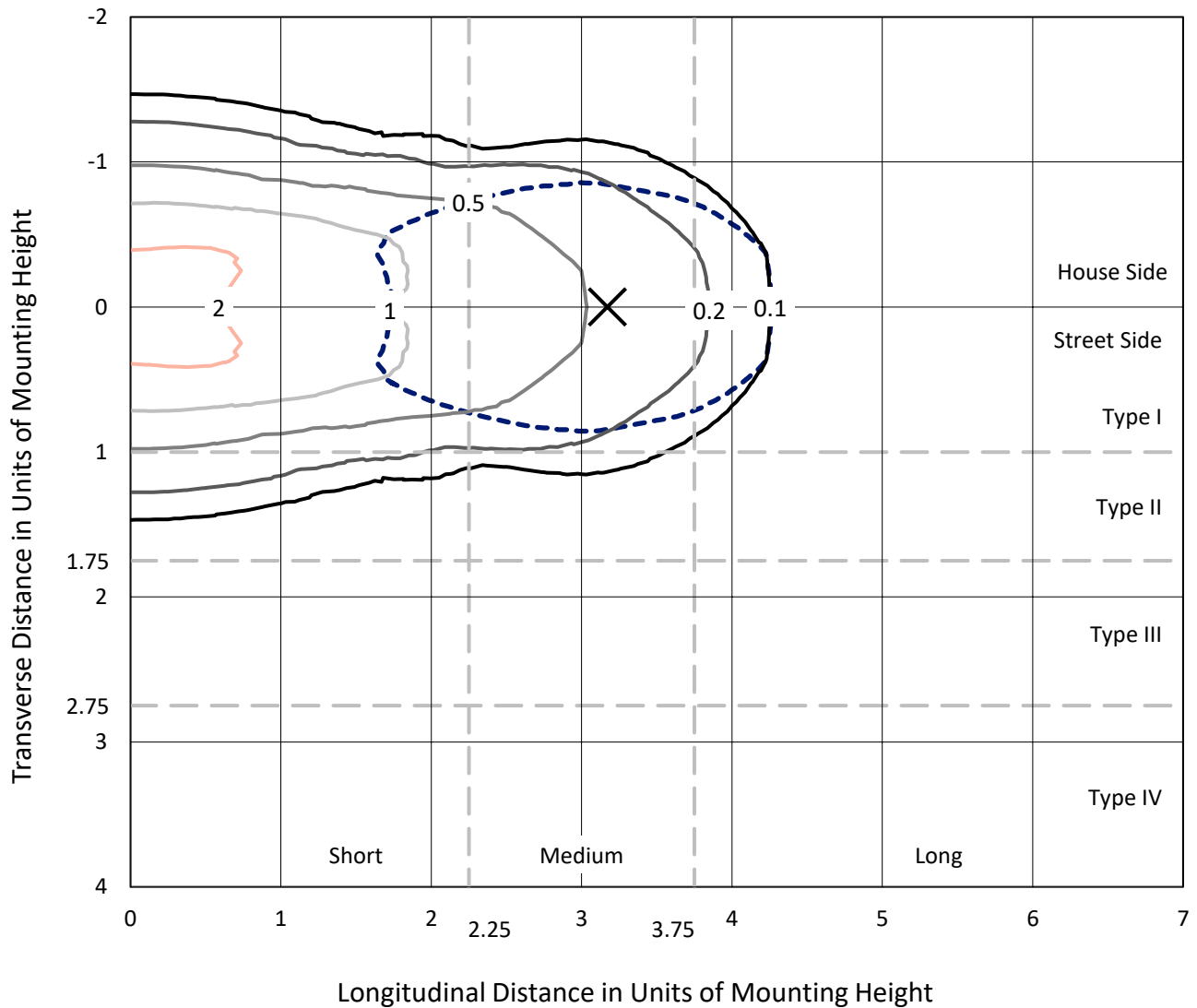
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

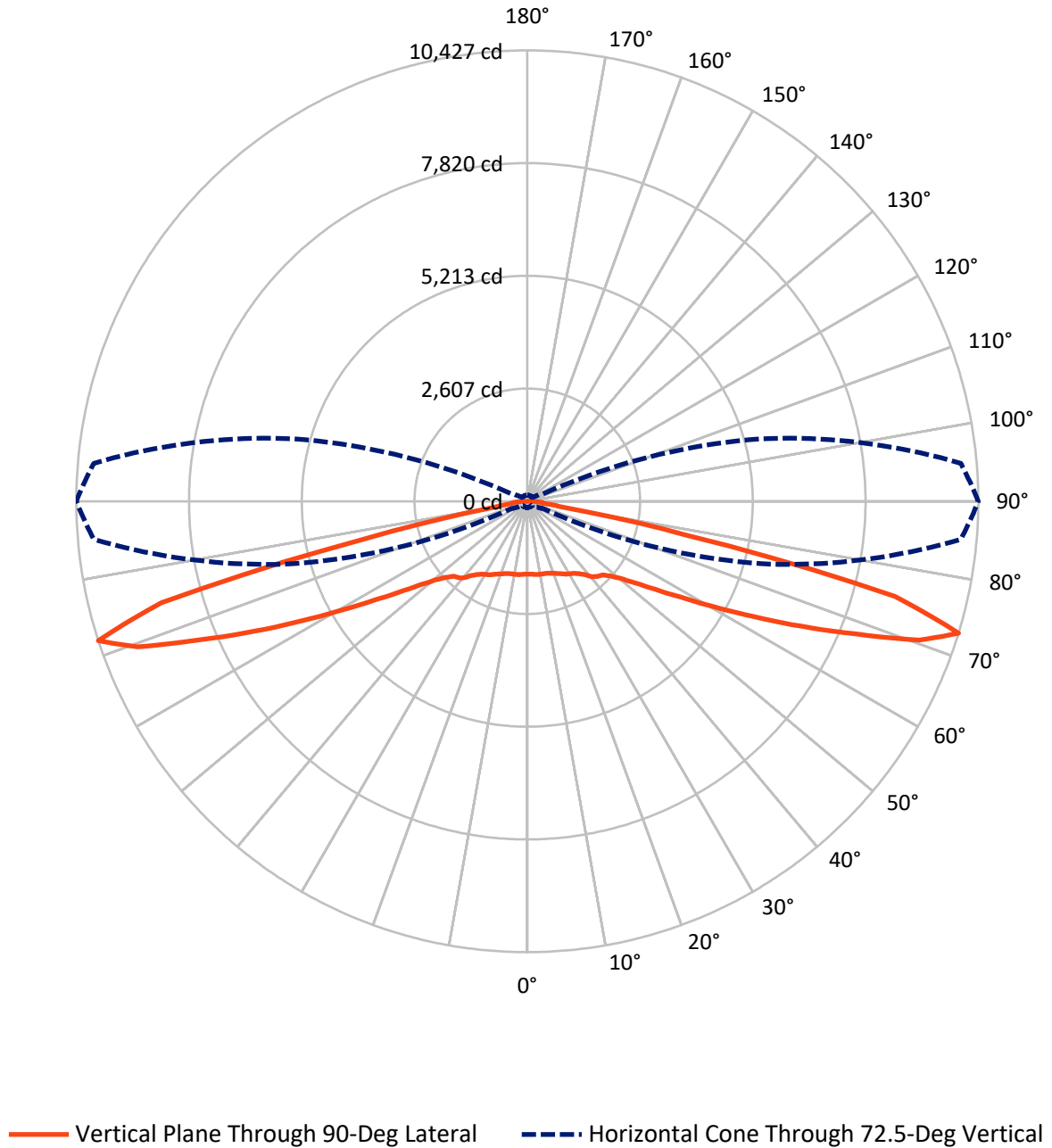
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	4509.5	0.0	4509.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4509.5	0.0	4509.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9019.0	0.0	9019.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.4	1.8
10°-20°	499.6	5.5
20°-30°	833.1	9.2
30°-40°	1145.8	12.7
40°-50°	1399.3	15.5
50°-60°	1618.4	17.9
60°-70°	1929.7	21.4
70°-80°	1346.8	14.9
80°-90°	82.7	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°	9019.0	100.0
0°-180°	9019.0	100.0

**Coefficient of Utilization**



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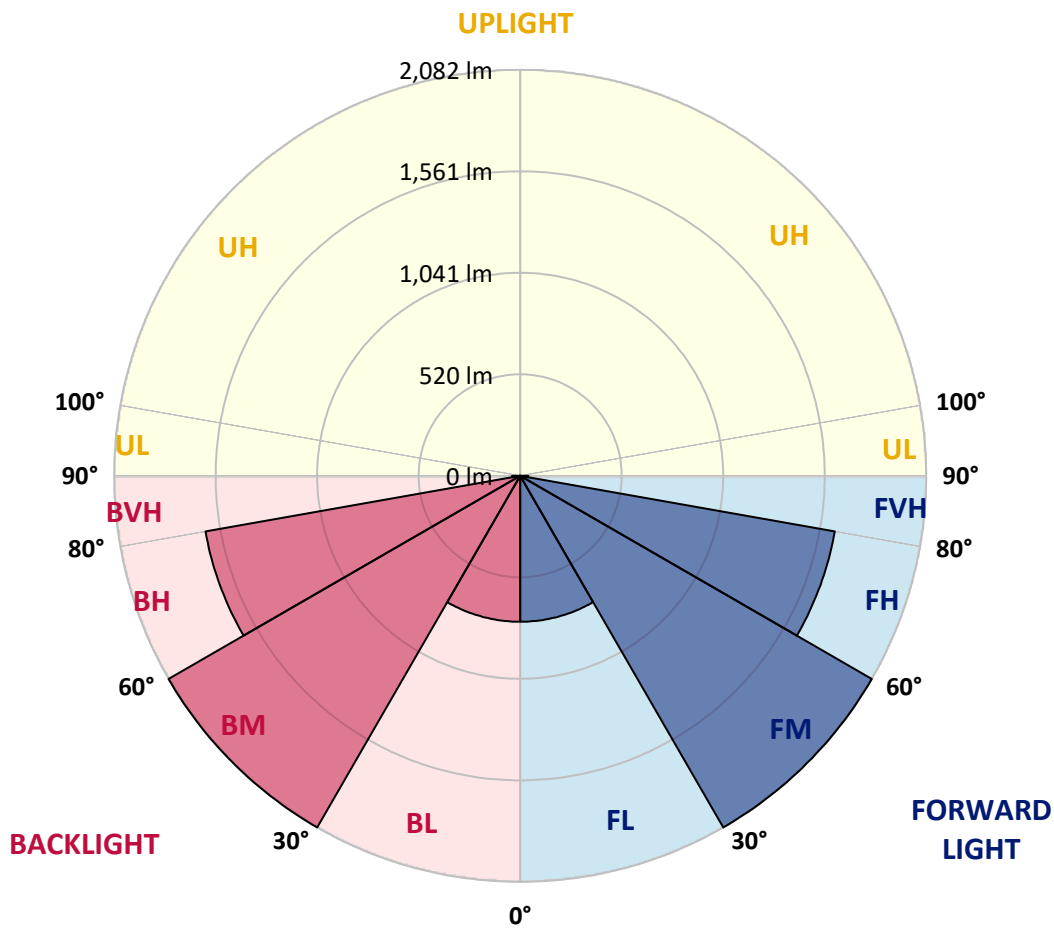
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.1	8.3			
FM (30°-60°)	2081.8	23.1			
FH (60°-80°)	1638.3	18.2			G1/1800
FVH (80°-90°)	41.4	0.5			G1/100
BL (0°-30°)	748.1	8.3	B2/1000		
BM (30°-60°)	2081.8	23.1	B2/2500		
BH (60°-80°)	1638.3	18.2	B3/2500		G3/2500
BVH (80°-90°)	41.4	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3
2.5°	1686.7	1688.7	1688.7	1687.2	1690.6	1687.7	1687.7	1686.3	1687.7	1686.3
5°	1695.4	1697.8	1698.7	1698.2	1702.6	1700.2	1700.2	1698.2	1698.7	1697.3
7.5°	1711.7	1715.0	1716.9	1719.3	1725.6	1722.7	1720.8	1715.0	1712.6	1708.8
10°	1716.9	1720.8	1727.0	1739.5	1753.8	1754.3	1748.6	1734.2	1723.2	1714.5
12.5°	1700.6	1705.9	1718.8	1744.3	1776.4	1789.3	1780.2	1756.2	1734.7	1719.3
15°	1680.0	1685.8	1705.4	1743.8	1791.2	1821.4	1820.5	1788.8	1754.3	1730.4
17.5°	1647.9	1653.7	1681.9	1735.6	1802.7	1852.6	1866.0	1833.4	1785.0	1752.9
20°	1589.9	1595.2	1634.5	1709.7	1806.6	1885.7	1920.6	1891.9	1831.5	1787.9
22.5°	1514.7	1522.8	1568.8	1665.2	1797.5	1920.2	1983.0	1963.3	1885.7	1825.3
25°	1434.1	1442.8	1496.4	1610.5	1774.0	1945.1	2056.8	2044.3	1947.0	1871.8
27.5°	1364.6	1373.7	1432.2	1556.4	1737.5	1954.7	2129.6	2135.9	2021.3	1923.0
30°	1310.0	1318.6	1380.9	1512.7	1690.6	1945.1	2193.4	2236.5	2097.0	1967.6
32.5°	1250.1	1261.1	1326.8	1459.5	1635.0	1922.1	2249.0	2345.3	2184.7	2015.5
35°	1174.3	1184.4	1253.4	1386.7	1562.1	1885.2	2295.5	2466.1	2310.3	2088.4
37.5°	1082.3	1091.9	1160.4	1295.6	1489.7	1833.4	2330.9	2602.2	2459.9	2193.4
40°	989.8	998.9	1063.1	1194.0	1403.0	1767.3	2343.4	2735.5	2631.5	2337.7
42.5°	905.0	913.1	972.1	1093.8	1305.7	1682.9	2327.1	2851.5	2785.3	2438.3
45°	826.8	834.0	886.3	999.9	1204.5	1580.3	2278.2	2976.1	2968.4	2510.2
47.5°	737.7	744.9	799.0	908.8	1103.4	1460.0	2195.3	3098.8	3223.0	2673.2
50°	628.9	635.1	690.7	803.8	998.4	1332.0	2080.3	3195.2	3544.1	2920.0
52.5°	499.9	506.6	560.8	673.9	873.8	1194.5	1928.8	3258.0	3915.1	3280.5
55°	372.0	376.7	423.7	525.3	719.5	1037.7	1739.0	3275.7	4335.9	3773.2
57.5°	269.9	272.7	302.9	378.7	545.5	841.7	1508.4	3229.7	4836.8	4405.0
60°	218.6	219.5	228.6	262.2	379.1	620.2	1229.9	3071.5	5380.4	5219.3
62.5°	198.4	198.4	200.8	209.9	256.4	409.3	893.0	2743.6	5963.2	6248.4
65°	184.5	184.5	185.5	189.8	202.3	260.8	563.7	2209.7	6454.5	7453.9
67.5°	172.1	172.6	172.1	173.5	180.7	192.7	326.9	1526.2	6719.1	8703.0
70°	159.1	160.1	157.7	157.7	163.4	163.9	204.7	836.9	6499.6	9749.9
72.5°	143.8	145.2	141.4	140.4	144.8	142.8	153.9	401.7	5580.3	10062.4
75°	130.4	132.3	123.7	121.3	121.3	119.8	125.1	206.1	3621.8	8208.4
77.5°	118.4	122.2	108.3	100.7	98.7	94.4	102.1	126.1	1584.2	3853.7
80°	97.8	103.1	89.2	80.0	76.7	71.9	80.5	88.2	471.2	894.9
82.5°	72.9	75.3	63.3	57.0	54.2	50.8	60.4	61.4	153.4	316.8
85°	46.5	47.5	38.8	33.6	32.1	30.7	38.3	33.6	58.5	233.0
87.5°	16.3	18.7	14.9	13.4	14.4	12.0	17.7	10.1	16.3	164.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1685.3  
1686.3  
1697.3  
1708.8  
1713.1  
1716.9  
1726.5  
1747.6  
1779.7  
1814.2  
1856.4  
1906.7  
1944.1  
1985.8  
2055.3  
2149.3  
2290.7  
2377.9  
2428.7  
2579.2  
2802.1  
3135.2  
3591.6  
4176.3  
4931.3  
5862.6  
6966.0  
8176.3  
9611.4  
10426.7  
8779.7  
3773.7  
857.0  
358.1  
338.4  
203.7  
0.0

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