

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: P939403

Luminaire Tested: **GALN-SB2A-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939403
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-SB2A-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8231 lumens
Efficiency: N/A
Efficacy: 143.6 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): 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

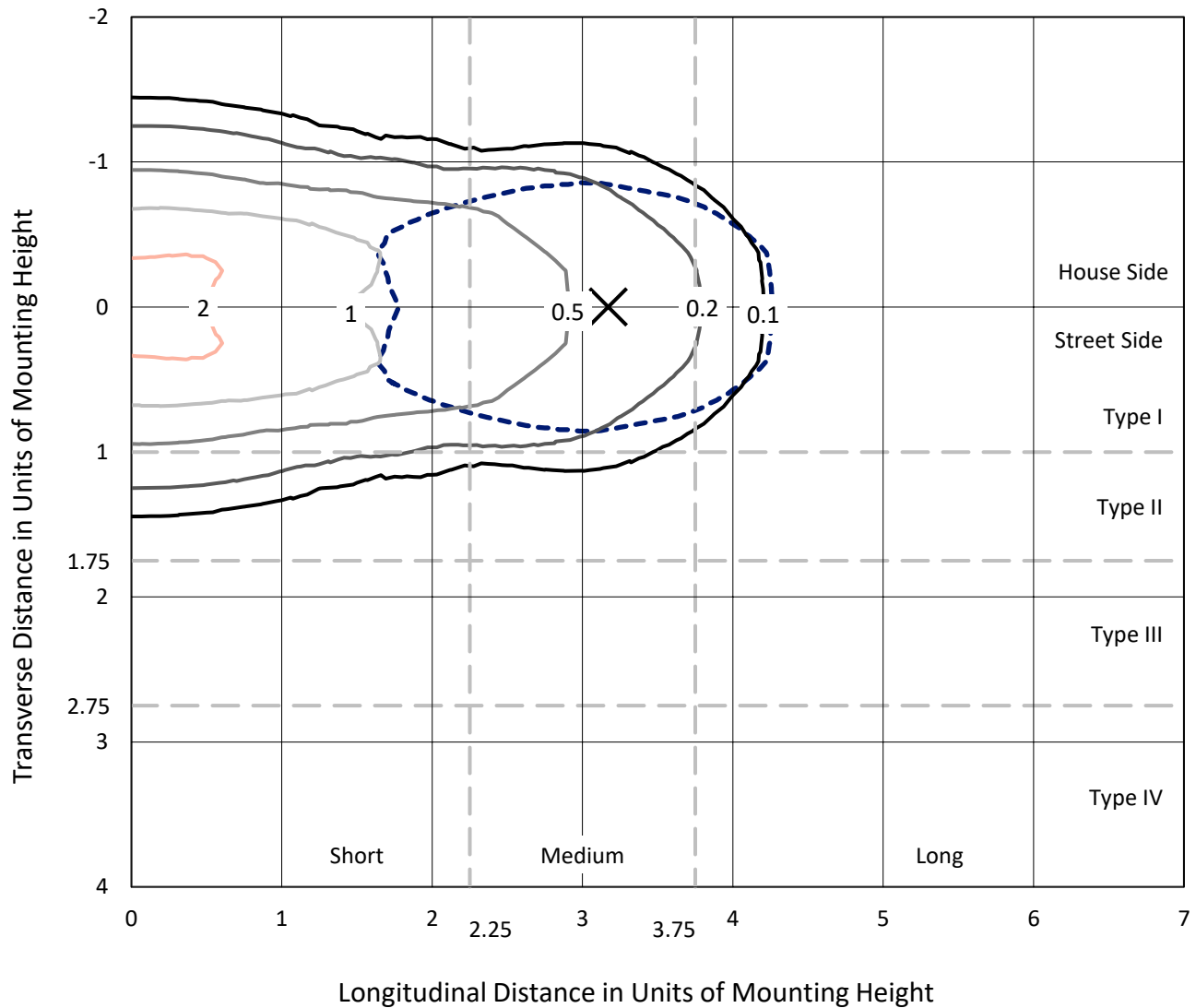


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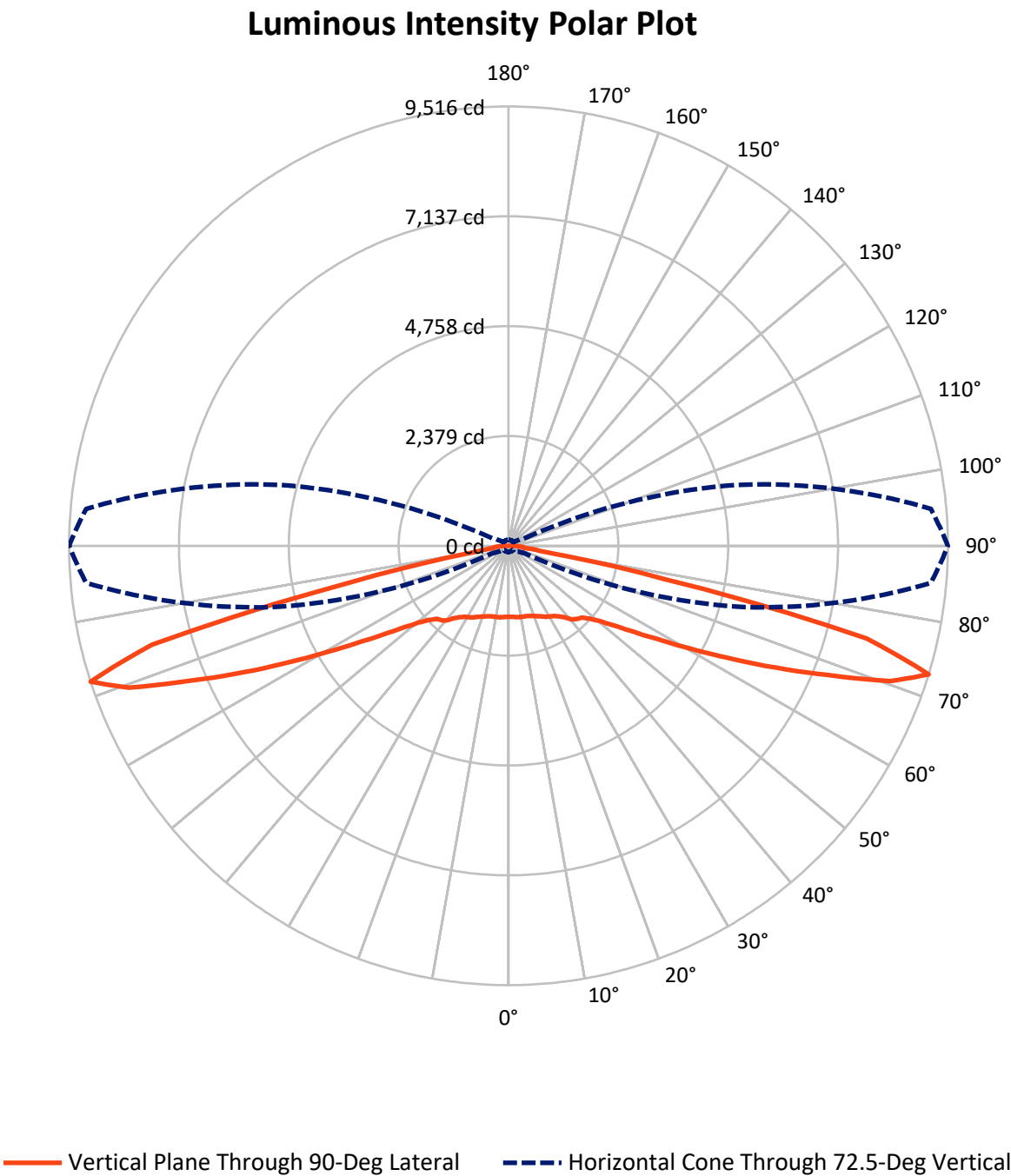
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4115.5	0.0	4115.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4115.5	0.0	4115.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8231.0	0.0	8231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	1.8
10°-20°	456.0	5.5
20°-30°	760.3	9.2
30°-40°	1045.7	12.7
40°-50°	1277.1	15.5
50°-60°	1477.0	17.9
60°-70°	1761.1	21.4
70°-80°	1229.2	14.9
80°-90°	75.5	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°	8231.0	100.0
0°-180°	8231.0	100.0

Coefficient of Utilization



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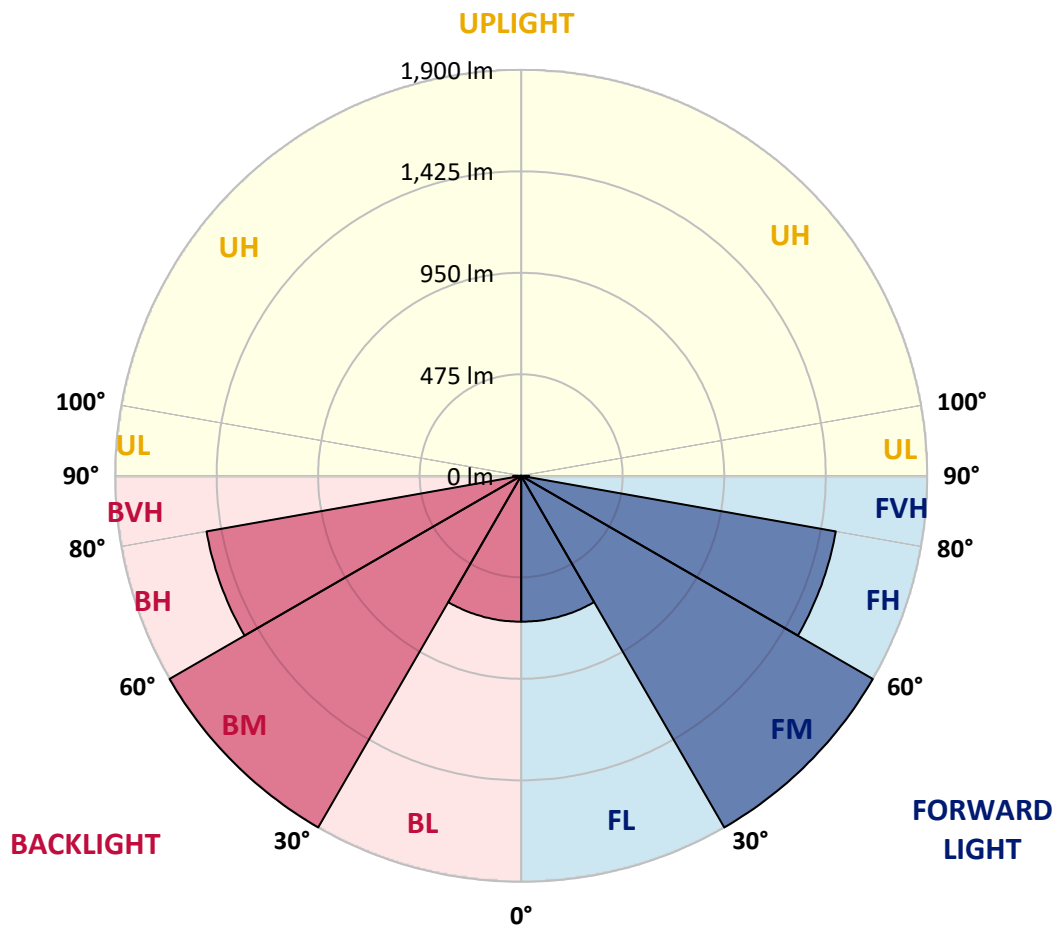
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	682.7	8.3			
FM	(30°-60°)	1899.9	23.1			
FH	(60°-80°)	1495.1	18.2			G1/1800
FVH	(80°-90°)	37.7	0.5			G1/100
BL	(0°-30°)	682.7	8.3	B2/1000		
BM	(30°-60°)	1899.9	23.1	B2/2500		
BH	(60°-80°)	1495.1	18.2	B3/2500		G3/2500
BVH	(80°-90°)	37.7	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°	90°
0°	1538.0	1538.0	1538.0	1538.0	1538.0	1538.0	1538.0	1538.0	1538.0	1538.0	1538.0
2.5°	1539.4	1541.1	1541.1	1539.8	1542.9	1540.2	1540.2	1538.9	1540.2	1538.9	1538.9
5°	1547.2	1549.4	1550.3	1549.9	1553.8	1551.6	1551.6	1549.9	1550.3	1549.0	1549.0
7.5°	1562.1	1565.2	1566.9	1569.1	1574.8	1572.2	1570.4	1565.2	1563.0	1559.5	1559.5
10°	1566.9	1570.4	1576.1	1587.5	1600.6	1601.0	1595.8	1582.7	1572.6	1564.7	1563.4
12.5°	1552.0	1556.9	1568.7	1591.9	1621.2	1633.0	1624.7	1602.8	1583.1	1569.1	1566.9
15°	1533.2	1538.5	1556.4	1591.4	1634.7	1662.3	1661.4	1632.5	1601.0	1579.2	1575.7
17.5°	1503.9	1509.2	1535.0	1584.0	1645.2	1690.7	1703.0	1673.2	1629.0	1599.7	1594.9
20°	1451.0	1455.8	1491.7	1560.4	1648.7	1720.9	1752.8	1726.6	1671.5	1631.7	1624.2
22.5°	1382.3	1389.8	1431.8	1519.7	1640.4	1752.4	1809.7	1791.8	1720.9	1665.8	1655.7
25°	1308.8	1316.7	1365.7	1469.8	1619.0	1775.1	1877.1	1865.7	1776.9	1708.2	1694.2
27.5°	1245.4	1253.7	1307.1	1420.4	1585.7	1783.9	1943.6	1949.2	1844.7	1755.0	1740.1
30°	1195.5	1203.4	1260.3	1380.6	1542.9	1775.1	2001.7	2041.1	1913.8	1795.7	1774.3
32.5°	1140.9	1150.9	1210.8	1332.0	1492.1	1754.1	2052.5	2140.4	1993.9	1839.4	1812.3
35°	1071.7	1080.9	1143.9	1265.5	1425.6	1720.5	2094.9	2250.6	2108.5	1905.9	1875.8
37.5°	987.7	996.5	1059.0	1182.4	1359.6	1673.2	2127.3	2374.9	2245.0	2001.7	1961.5
40°	903.3	911.6	970.2	1089.7	1280.4	1612.9	2138.7	2496.5	2401.6	2133.4	2090.5
42.5°	825.9	833.3	887.1	998.2	1191.6	1535.9	2123.8	2602.3	2542.0	2225.3	2170.2
45°	754.6	761.2	808.8	912.5	1099.3	1442.2	2079.2	2716.1	2709.1	2290.9	2216.5
47.5°	673.2	679.8	729.2	829.4	1007.0	1332.5	2003.5	2828.1	2941.4	2439.6	2353.9
50°	573.9	579.6	630.4	733.6	911.2	1215.7	1898.5	2916.0	3234.5	2664.9	2557.3
52.5°	456.3	462.4	511.8	615.0	797.5	1090.1	1760.3	2973.3	3573.0	2993.9	2861.3
55°	339.5	343.8	386.7	479.4	656.6	947.1	1587.0	2989.5	3957.1	3443.6	3277.8
57.5°	246.3	248.9	276.5	345.6	497.8	768.1	1376.6	2947.5	4414.2	4020.1	3811.4
60°	199.5	200.3	208.7	239.3	346.0	566.1	1122.5	2803.1	4910.3	4763.3	4500.4
62.5°	181.1	181.1	183.3	191.6	234.0	373.6	815.0	2503.9	5442.2	5702.5	5350.4
65°	168.4	168.4	169.3	173.2	184.6	238.0	514.4	2016.6	5890.6	6802.7	6357.4
67.5°	157.0	157.5	157.0	158.4	164.9	175.9	298.3	1392.8	6132.1	7942.7	7461.9
70°	145.2	146.1	143.9	143.9	149.2	149.6	186.8	763.8	5931.7	8898.0	8771.6
72.5°	131.2	132.5	129.0	128.2	132.1	130.4	140.4	366.6	5092.7	9183.2	9515.7
75°	119.0	120.7	112.9	110.7	110.7	109.4	114.2	188.1	3305.3	7491.2	8012.6
77.5°	108.0	111.5	98.9	91.9	90.1	86.2	93.2	115.0	1445.7	3517.0	3444.0
80°	89.2	94.1	81.4	73.1	70.0	65.6	73.5	80.5	430.0	816.7	782.1
82.5°	66.5	68.7	57.7	52.1	49.4	46.4	55.1	56.0	140.0	289.1	326.8
85°	42.4	43.3	35.4	30.6	29.3	28.0	35.0	30.6	53.4	212.6	308.8
87.5°	14.9	17.1	13.6	12.2	13.1	10.9	16.2	9.2	14.9	150.0	185.9
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)