

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: P939473

Luminaire Tested: **GALN-SB2A-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939473
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-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7974 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

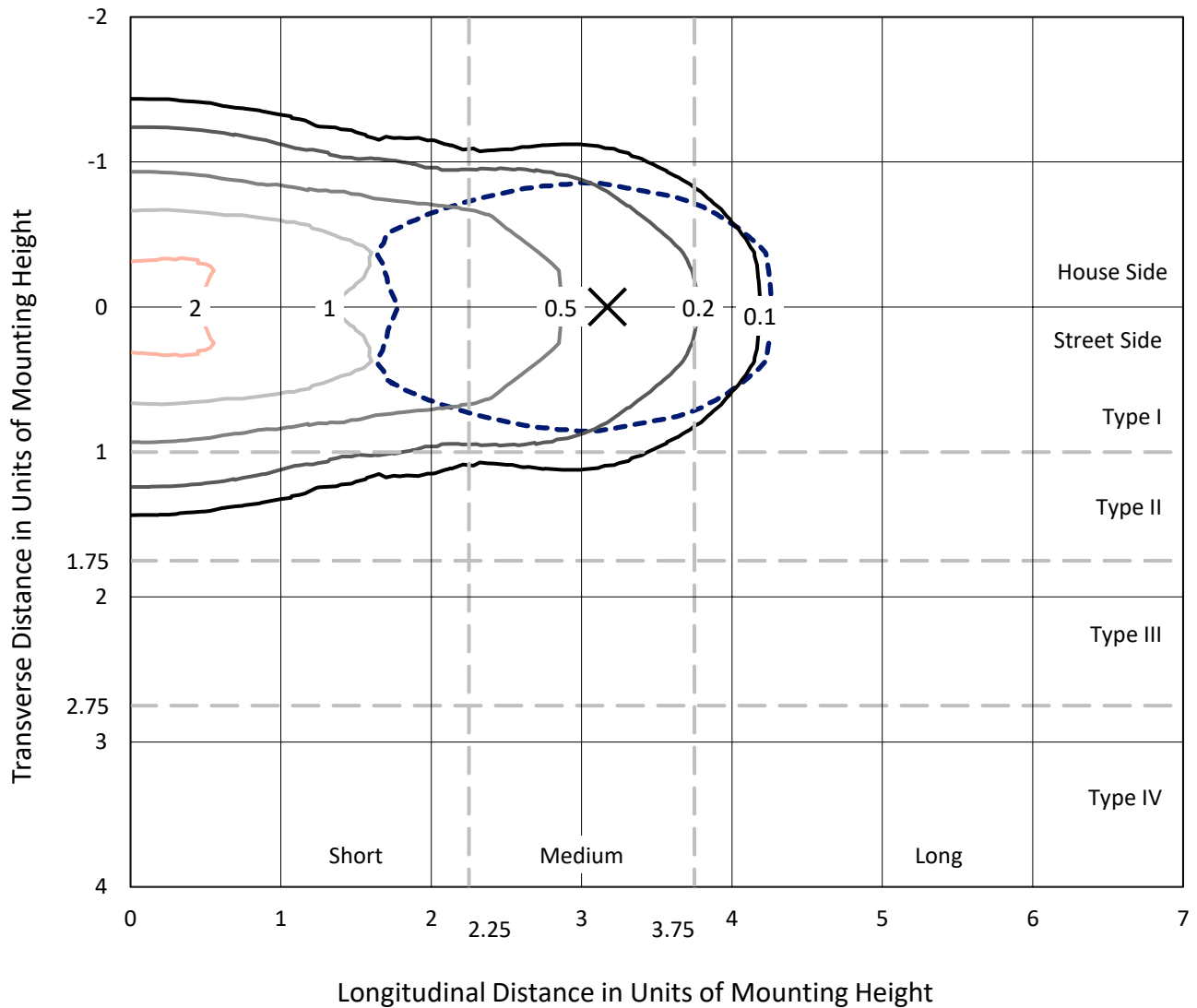
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

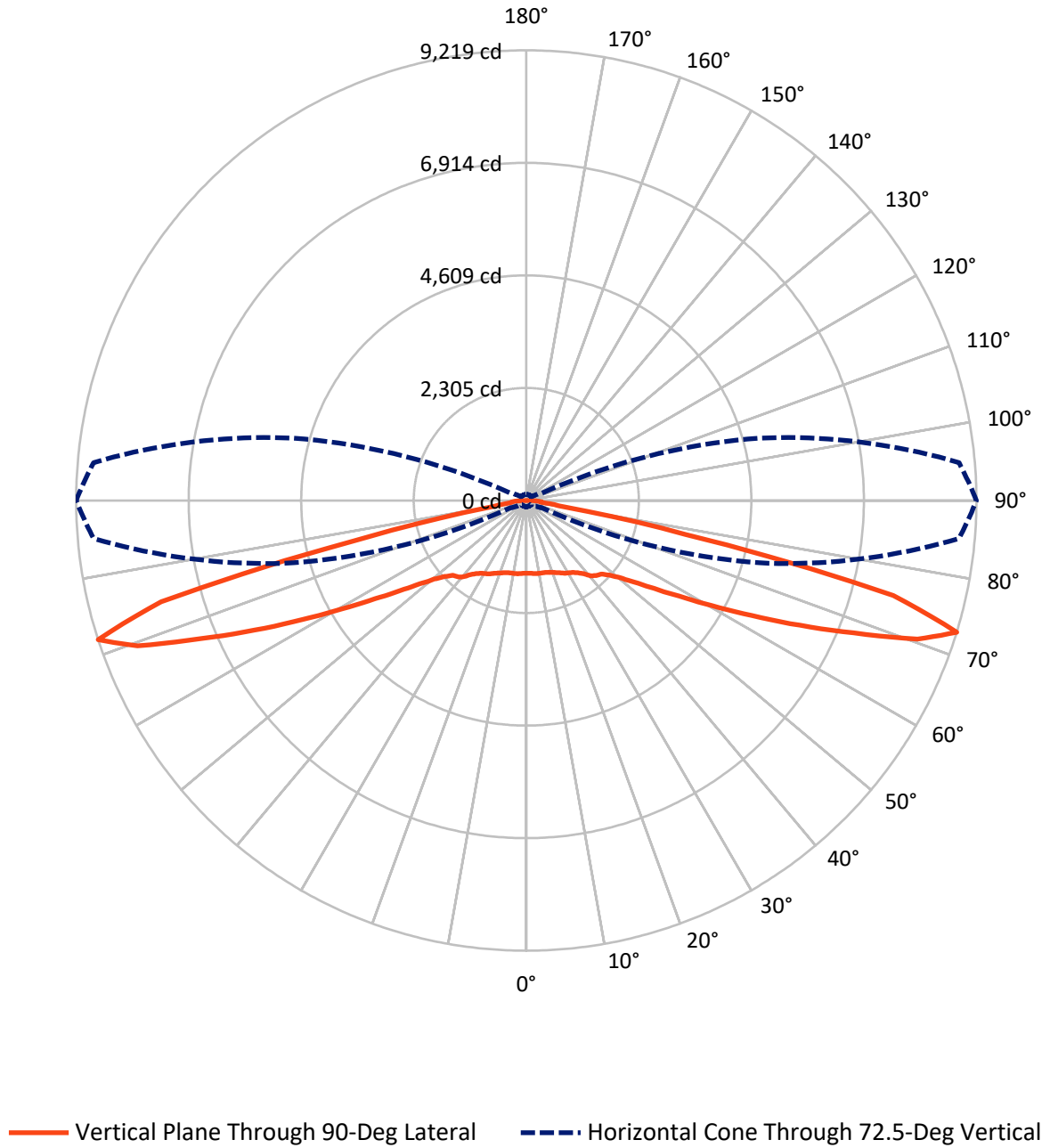
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3987.0	0.0	3987.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3987.0	0.0	3987.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7974.0	0.0	7974.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	1.8
10°-20°	441.8	5.5
20°-30°	736.6	9.2
30°-40°	1013.0	12.7
40°-50°	1237.2	15.5
50°-60°	1430.9	17.9
60°-70°	1706.1	21.4
70°-80°	1190.8	14.9
80°-90°	73.1	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°	7974.0	100.0
0°-180°	7974.0	100.0

Coefficient of Utilization



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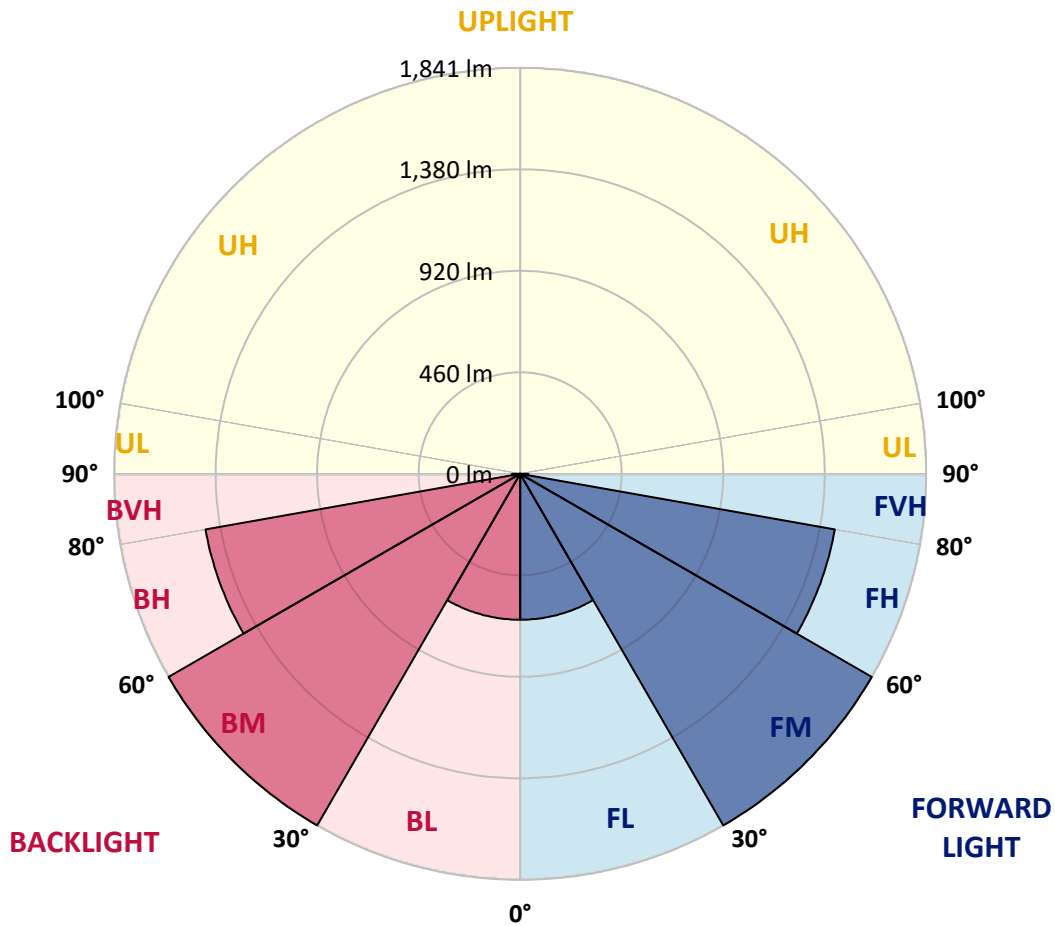
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.4	8.3			
FM (30°-60°)	1840.6	23.1			
FH (60°-80°)	1448.5	18.2			G1/1800
FVH (80°-90°)	36.6	0.5			G1/100
BL (0°-30°)	661.4	8.3	B2/1000		
BM (30°-60°)	1840.6	23.1	B2/2500		
BH (60°-80°)	1448.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	36.6	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°	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0	1490.0
2.5°	1491.3	1493.0	1493.0	1491.7	1494.7	1492.1	1492.1	1490.9	1492.1	1490.9
5°	1498.9	1501.0	1501.9	1501.5	1505.3	1503.2	1503.2	1501.5	1501.9	1500.6
7.5°	1513.3	1516.3	1518.0	1520.1	1525.6	1523.1	1521.4	1516.3	1514.2	1510.8
10°	1518.0	1521.4	1526.9	1537.9	1550.6	1551.1	1546.0	1533.3	1523.5	1515.9
12.5°	1503.6	1508.2	1519.7	1542.2	1570.5	1582.0	1573.9	1552.7	1533.7	1520.1
15°	1485.4	1490.4	1507.8	1541.7	1583.7	1610.4	1609.5	1581.6	1551.1	1529.9
17.5°	1457.0	1462.1	1487.1	1534.5	1593.9	1637.9	1649.8	1621.0	1578.2	1549.8
20°	1405.7	1410.4	1445.1	1511.6	1597.2	1667.2	1698.1	1672.7	1619.3	1580.7
22.5°	1339.2	1346.4	1387.0	1472.2	1589.2	1697.7	1753.2	1735.8	1667.2	1613.8
25°	1268.0	1275.6	1323.1	1423.9	1568.4	1719.7	1818.5	1807.4	1721.4	1654.9
27.5°	1206.5	1214.6	1266.3	1376.0	1536.2	1728.2	1882.9	1888.4	1787.1	1700.2
30°	1158.2	1165.8	1220.9	1337.5	1494.7	1719.7	1939.2	1977.4	1854.1	1739.6
32.5°	1105.2	1115.0	1173.0	1290.4	1445.5	1699.4	1988.4	2073.6	1931.6	1782.0
35°	1038.3	1047.2	1108.2	1226.0	1381.1	1666.7	2029.5	2180.4	2042.6	1846.4
37.5°	956.9	965.4	1026.0	1145.5	1317.1	1621.0	2060.9	2300.7	2174.9	1939.2
40°	875.1	883.2	940.0	1055.6	1240.4	1562.5	2071.9	2418.5	2326.6	2066.8
42.5°	800.1	807.3	859.4	967.1	1154.4	1487.9	2057.5	2521.1	2462.6	2155.8
45°	731.0	737.4	783.6	884.0	1065.0	1397.2	2014.2	2631.3	2624.5	2219.4
47.5°	652.2	658.6	706.4	803.5	975.6	1290.8	1940.9	2739.8	2849.5	2363.4
50°	556.0	561.5	610.7	710.7	882.7	1177.7	1839.2	2824.9	3133.5	2581.7
52.5°	442.0	447.9	495.8	595.8	772.6	1056.1	1705.3	2880.5	3461.5	2900.4
55°	328.9	333.1	374.6	464.5	636.1	917.5	1537.5	2896.1	3833.6	3336.0
57.5°	238.6	241.1	267.8	334.8	482.3	744.2	1333.6	2855.5	4276.4	3894.6
60°	193.2	194.1	202.1	231.8	335.2	548.4	1087.4	2715.6	4757.0	4614.6
62.5°	175.4	175.4	177.6	185.6	226.7	361.9	789.5	2425.7	5272.3	5524.5
65°	163.2	163.2	164.0	167.8	178.8	230.5	498.4	1953.6	5706.7	6590.3
67.5°	152.1	152.6	152.1	153.4	159.8	170.4	289.0	1349.3	5940.6	7694.7
70°	140.7	141.5	139.4	139.4	144.5	144.9	181.0	739.9	5746.5	8620.2
72.5°	127.1	128.4	125.0	124.2	128.0	126.3	136.0	355.1	4933.7	8896.5
75°	115.3	117.0	109.3	107.2	107.2	105.9	110.6	182.2	3202.1	7257.3
77.5°	104.7	108.1	95.8	89.0	87.3	83.5	90.3	111.5	1400.6	3407.2
80°	86.5	91.1	78.8	70.8	67.8	63.6	71.2	78.0	416.6	791.2
82.5°	64.4	66.5	55.9	50.4	47.9	44.9	53.4	54.2	135.6	280.1
85°	41.1	42.0	34.3	29.7	28.4	27.1	33.9	29.7	51.7	206.0
87.5°	14.4	16.5	13.1	11.9	12.7	10.6	15.7	8.9	14.4	145.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1490.0
1490.9
1500.6
1510.8
1514.6
1518.0
1526.5
1545.1
1573.5
1604.0
1641.3
1685.8
1718.9
1755.7
1817.2
1900.2
2025.3
2102.4
2147.3
2280.4
2477.4
2772.0
3175.4
3692.4
4359.9
5183.3
6158.9
7228.9
8497.7
9218.6
7762.5
3336.5
757.7
316.6
299.2
180.1
0.0

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