

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: P939133

Luminaire Tested: **GALN-SB1C-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939133
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-SB1C-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6659 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

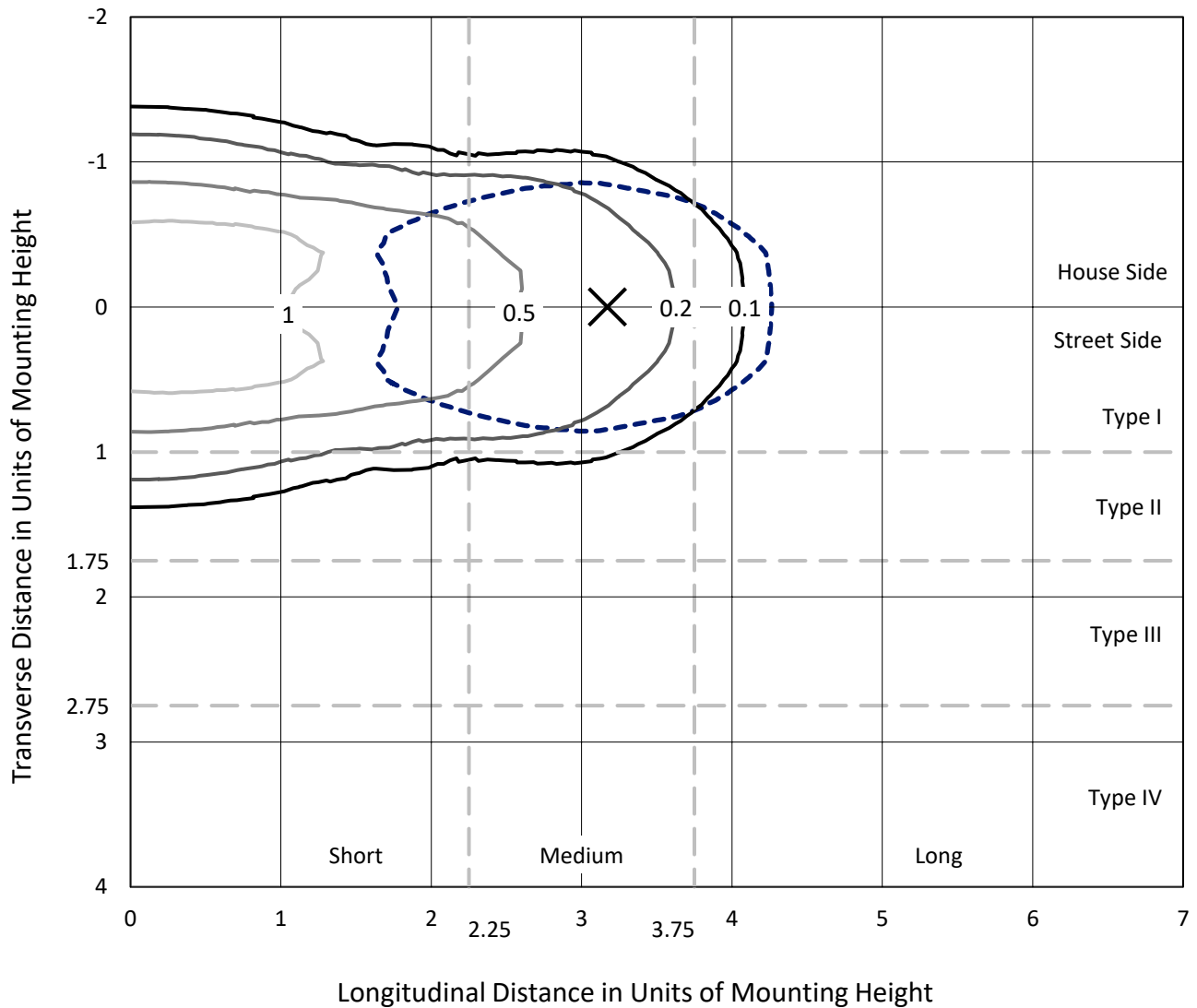
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

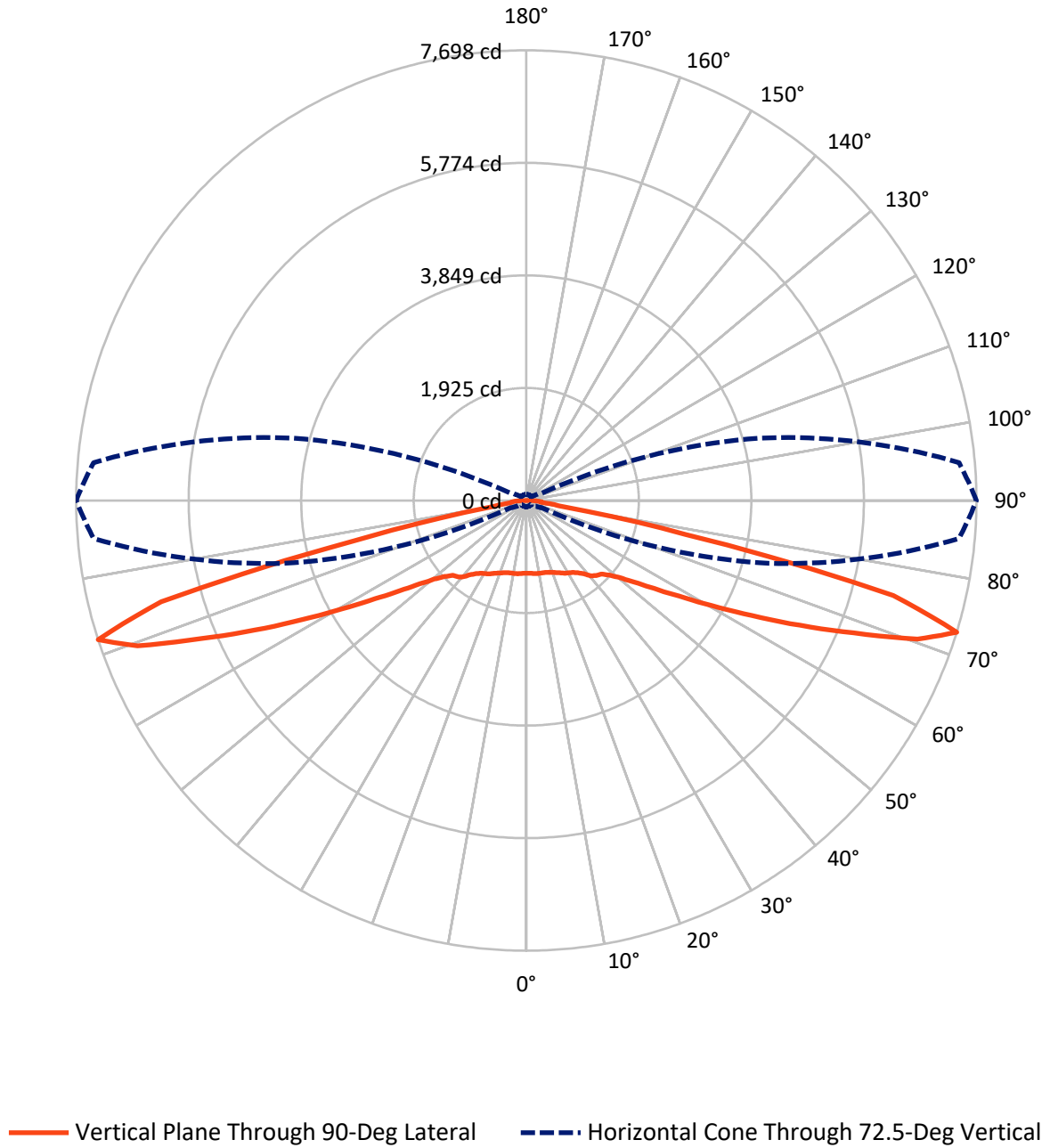
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	3329.5	0.0	3329.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3329.5	0.0	3329.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6659.0	0.0	6659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	1.8
10°-20°	368.9	5.5
20°-30°	615.1	9.2
30°-40°	846.0	12.7
40°-50°	1033.2	15.5
50°-60°	1195.0	17.9
60°-70°	1424.8	21.4
70°-80°	994.4	14.9
80°-90°	61.1	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°	6659.0	100.0
0°-180°	6659.0	100.0

Coefficient of Utilization



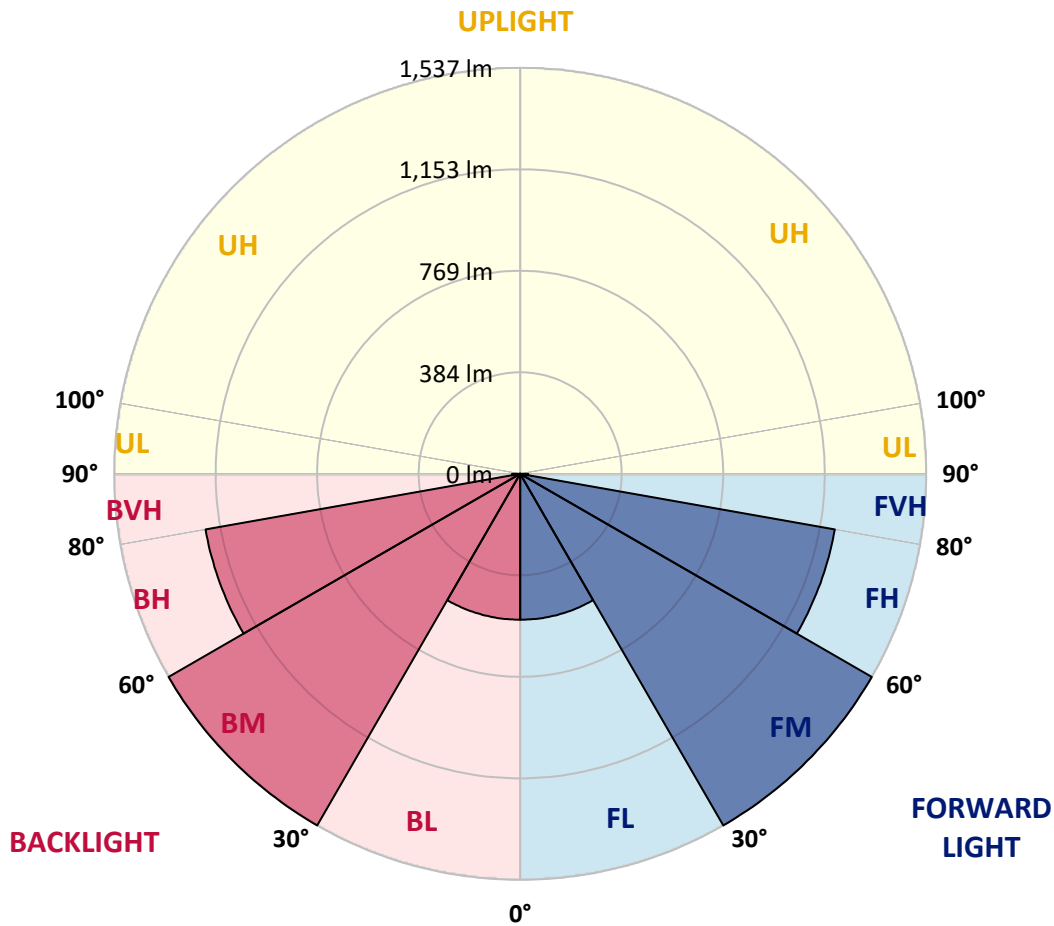
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.3	8.3			
FM (30°-60°)	1537.0	23.1			
FH (60°-80°)	1209.6	18.2			G1/1800
FVH (80°-90°)	30.5	0.5			G1/100
BL (0°-30°)	552.3	8.3	B2/1000		
BM (30°-60°)	1537.0	23.1	B2/2500		
BH (60°-80°)	1209.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	30.5	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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1245.4	1246.8	1246.8	1245.7	1248.2	1246.1	1246.1	1245.0	1246.1	1245.0
5°	1251.7	1253.5	1254.2	1253.9	1257.0	1255.3	1255.3	1253.9	1254.2	1253.2
7.5°	1263.8	1266.2	1267.7	1269.4	1274.0	1271.9	1270.5	1266.2	1264.5	1261.6
10°	1267.7	1270.5	1275.1	1284.3	1294.9	1295.3	1291.0	1280.4	1272.3	1265.9
12.5°	1255.6	1259.5	1269.1	1287.8	1311.5	1321.1	1314.4	1296.7	1280.8	1269.4
15°	1240.4	1244.7	1259.2	1287.5	1322.5	1344.8	1344.1	1320.7	1295.3	1277.6
17.5°	1216.7	1220.9	1241.8	1281.5	1331.0	1367.8	1377.7	1353.7	1317.9	1294.2
20°	1173.9	1177.8	1206.8	1262.4	1333.8	1392.2	1418.1	1396.8	1352.2	1320.0
22.5°	1118.3	1124.3	1158.3	1229.4	1327.1	1417.7	1464.1	1449.6	1392.2	1347.6
25°	1058.9	1065.2	1104.9	1189.1	1309.8	1436.1	1518.6	1509.4	1437.5	1382.0
27.5°	1007.5	1014.3	1057.4	1149.1	1282.9	1443.2	1572.4	1577.0	1492.4	1419.8
30°	967.2	973.6	1019.6	1116.9	1248.2	1436.1	1619.4	1651.3	1548.3	1452.8
32.5°	923.0	931.1	979.6	1077.6	1207.1	1419.1	1660.5	1731.6	1613.1	1488.1
35°	867.0	874.5	925.4	1023.8	1153.4	1391.9	1694.8	1820.8	1705.8	1541.9
37.5°	799.1	806.2	856.8	956.6	1099.9	1353.7	1721.0	1921.3	1816.2	1619.4
40°	730.8	737.5	784.9	881.6	1035.9	1304.8	1730.2	2019.7	1942.9	1726.0
42.5°	668.2	674.2	717.7	807.6	964.0	1242.5	1718.2	2105.3	2056.5	1800.3
45°	610.5	615.8	654.4	738.2	889.3	1166.8	1682.1	2197.4	2191.7	1853.4
47.5°	544.6	550.0	589.9	671.0	814.7	1078.0	1620.9	2287.9	2379.6	1973.7
50°	464.3	468.9	510.0	593.5	737.2	983.5	1535.9	2359.1	2616.7	2155.9
52.5°	369.1	374.1	414.1	497.6	645.2	881.9	1424.1	2405.4	2890.6	2422.1
55°	274.6	278.2	312.8	387.9	531.2	766.2	1283.9	2418.5	3201.4	2785.9
57.5°	199.2	201.4	223.7	279.6	402.7	621.4	1113.7	2384.6	3571.2	3252.3
60°	161.4	162.1	168.8	193.6	279.9	457.9	908.1	2267.8	3972.5	3853.6
62.5°	146.5	146.5	148.3	155.0	189.3	302.2	659.3	2025.7	4402.8	4613.4
65°	136.3	136.3	137.0	140.1	149.3	192.5	416.2	1631.5	4765.6	5503.5
67.5°	127.0	127.4	127.0	128.1	133.4	142.3	241.4	1126.8	4960.9	6425.7
70°	117.5	118.2	116.4	116.4	120.7	121.0	151.1	617.9	4798.9	7198.6
72.5°	106.2	107.2	104.4	103.7	106.9	105.5	113.6	296.6	4120.1	7429.4
75°	96.3	97.7	91.3	89.5	89.5	88.5	92.4	152.2	2674.1	6060.5
77.5°	87.4	90.2	80.0	74.3	72.9	69.7	75.4	93.1	1169.6	2845.3
80°	72.2	76.1	65.8	59.1	56.6	53.1	59.5	65.1	347.9	660.7
82.5°	53.8	55.6	46.7	42.1	40.0	37.5	44.6	45.3	113.2	233.9
85°	34.3	35.0	28.7	24.8	23.7	22.6	28.3	24.8	43.2	172.0
87.5°	12.0	13.8	11.0	9.9	10.6	8.8	13.1	7.4	12.0	121.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1244.3
1245.0
1253.2
1261.6
1264.8
1267.7
1274.7
1290.3
1314.0
1339.5
1370.6
1407.8
1435.4
1466.2
1517.5
1586.9
1691.3
1755.7
1793.2
1904.3
2068.9
2314.8
2651.8
3083.5
3640.9
4328.5
5143.2
6036.8
7096.4
7698.3
6482.3
2786.2
632.8
264.4
249.9
150.4
0.0

OF REPORT)