

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: P939123

Luminaire Tested: **GALN-SB1C-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939123
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6444 lumens
Efficiency: N/A
Efficacy: 118.5 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

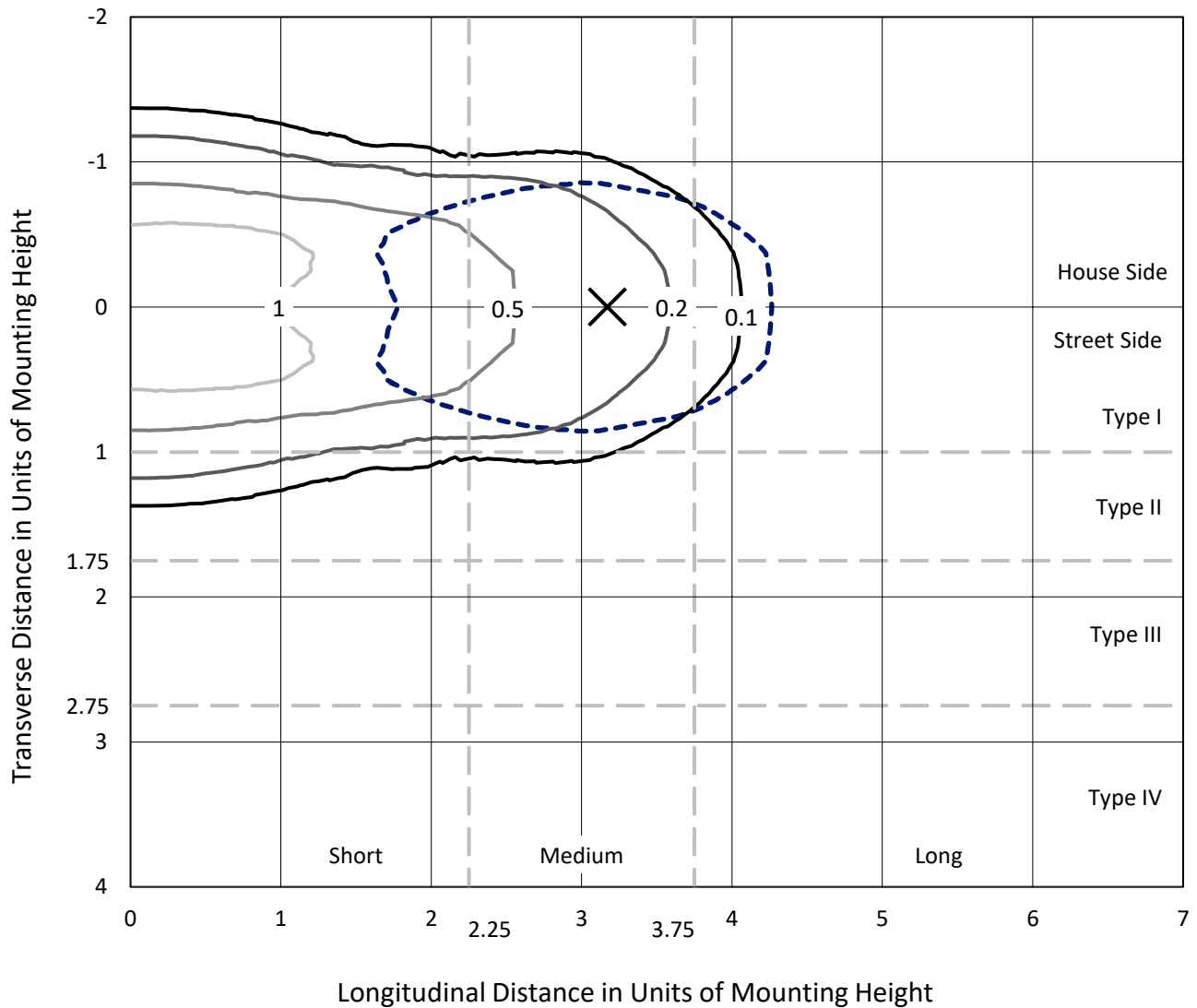
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

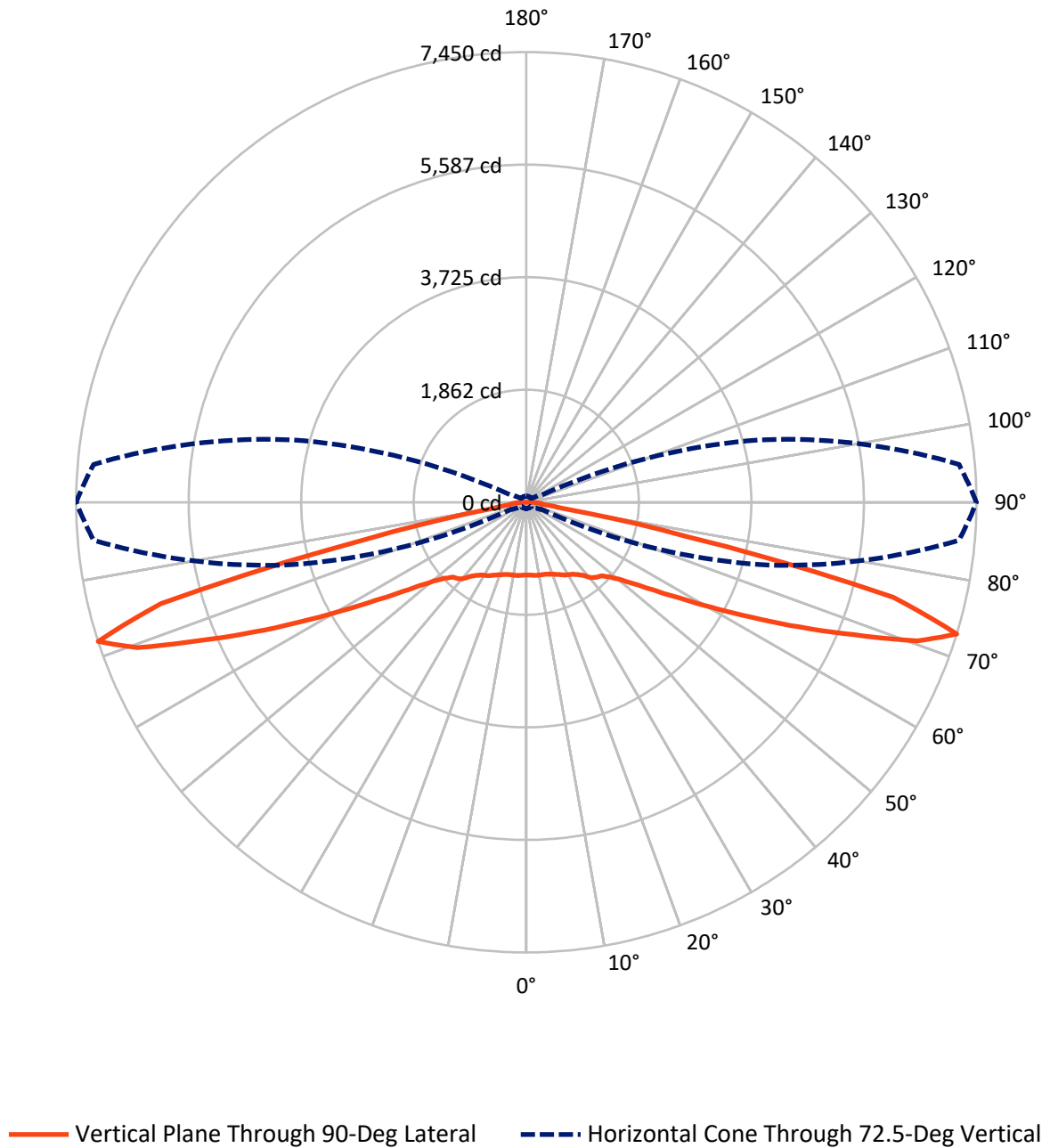
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	3222.0	0.0	3222.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3222.0	0.0	3222.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6444.0	0.0	6444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	1.8
10°-20°	357.0	5.5
20°-30°	595.2	9.2
30°-40°	818.6	12.7
40°-50°	999.8	15.5
50°-60°	1156.4	17.9
60°-70°	1378.8	21.4
70°-80°	962.3	14.9
80°-90°	59.1	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°	6444.0	100.0
0°-180°	6444.0	100.0

Coefficient of Utilization



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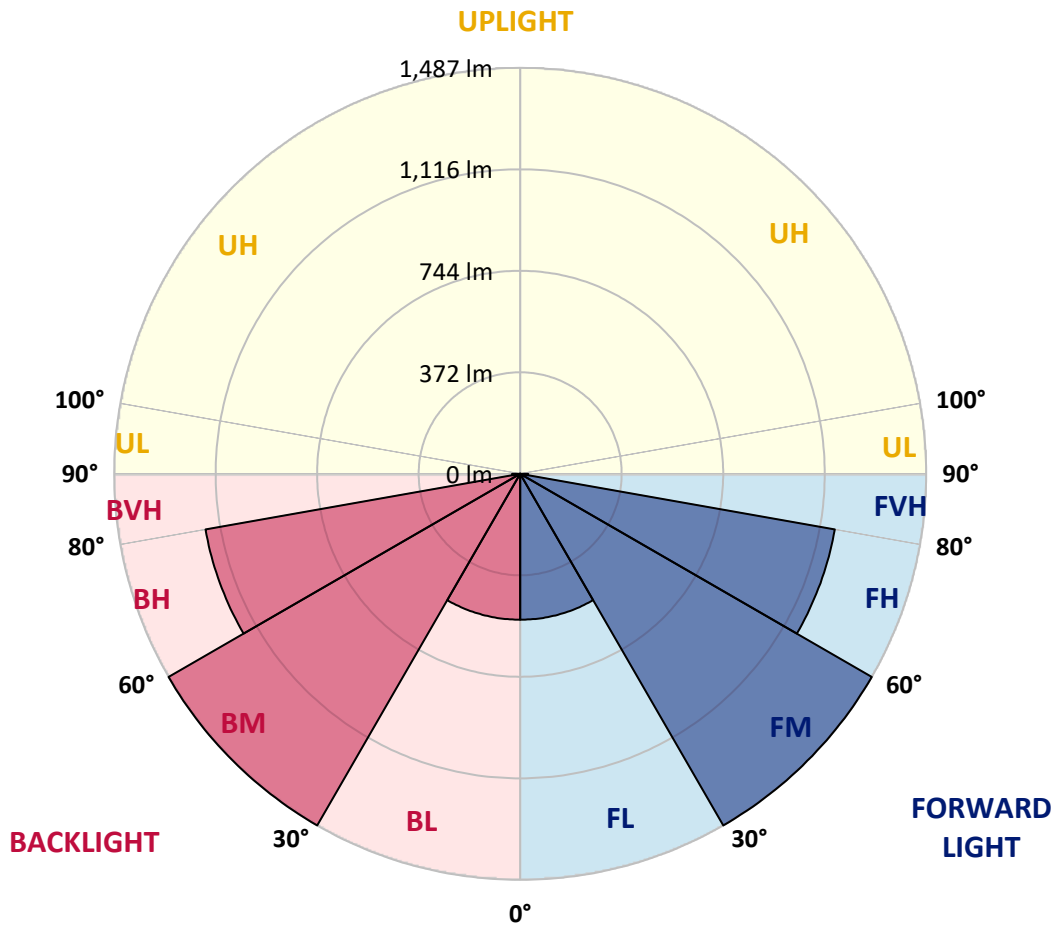
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	534.5	8.3			
FM (30°-60°)	1487.4	23.1			
FH (60°-80°)	1170.5	18.2			G1/1800
FVH (80°-90°)	29.6	0.5			G1/100
BL (0°-30°)	534.5	8.3	B2/1000		
BM (30°-60°)	1487.4	23.1	B2/2500		
BH (60°-80°)	1170.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	29.6	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°	1204.1	1204.1	1204.1	1204.1	1204.1	1204.1	1204.1	1204.1	1204.1	1204.1
2.5°	1205.2	1206.5	1206.5	1205.5	1207.9	1205.8	1205.8	1204.8	1205.8	1204.8
5°	1211.3	1213.0	1213.7	1213.4	1216.5	1214.7	1214.7	1213.4	1213.7	1212.7
7.5°	1223.0	1225.4	1226.7	1228.4	1232.9	1230.8	1229.5	1225.4	1223.7	1220.9
10°	1226.7	1229.5	1233.9	1242.8	1253.1	1253.4	1249.3	1239.1	1231.2	1225.0
12.5°	1215.1	1218.9	1228.1	1246.3	1269.2	1278.4	1271.9	1254.8	1239.4	1228.4
15°	1200.4	1204.5	1218.5	1245.9	1279.8	1301.4	1300.7	1278.1	1253.4	1236.3
17.5°	1177.4	1181.5	1201.7	1240.1	1288.0	1323.7	1333.2	1310.0	1275.4	1252.4
20°	1136.0	1139.7	1167.8	1221.6	1290.8	1347.3	1372.3	1351.7	1308.6	1277.4
22.5°	1082.2	1088.0	1120.9	1189.7	1284.3	1371.9	1416.8	1402.8	1347.3	1304.1
25°	1024.7	1030.8	1069.2	1150.7	1267.5	1389.7	1469.5	1460.6	1391.1	1337.4
27.5°	975.0	981.5	1023.3	1112.0	1241.5	1396.6	1521.6	1526.1	1444.2	1374.0
30°	936.0	942.1	986.7	1080.8	1207.9	1389.7	1567.1	1598.0	1498.3	1405.8
32.5°	893.2	901.0	948.0	1042.8	1168.2	1373.3	1606.9	1675.7	1561.0	1440.1
35°	839.1	846.2	895.6	990.8	1116.1	1346.9	1640.1	1762.0	1650.7	1492.1
37.5°	773.3	780.1	829.1	925.7	1064.4	1310.0	1665.4	1859.3	1757.6	1567.1
40°	707.2	713.7	759.6	853.1	1002.4	1262.7	1674.3	1954.5	1880.2	1670.2
42.5°	646.6	652.4	694.5	781.5	932.9	1202.4	1662.7	2037.4	1990.1	1742.2
45°	590.8	595.9	633.2	714.4	860.6	1129.1	1627.8	2126.4	2120.9	1793.5
47.5°	527.1	532.2	570.9	649.3	788.4	1043.2	1568.5	2214.1	2302.8	1910.0
50°	449.3	453.8	493.5	574.3	713.4	951.7	1486.3	2282.9	2532.2	2086.3
52.5°	357.2	362.0	400.7	481.5	624.3	853.4	1378.1	2327.8	2797.3	2343.9
55°	265.8	269.2	302.7	375.3	514.0	741.5	1242.5	2340.4	3098.0	2695.9
57.5°	192.8	194.9	216.4	270.6	389.7	601.4	1077.8	2307.6	3455.9	3147.3
60°	156.2	156.9	163.4	187.3	270.9	443.2	878.8	2194.6	3844.2	3729.2
62.5°	141.8	141.8	143.5	150.0	183.2	292.5	638.0	1960.3	4260.7	4464.5
65°	131.9	131.9	132.5	135.6	144.5	186.3	402.7	1578.8	4611.7	5325.8
67.5°	122.9	123.3	122.9	124.0	129.1	137.7	233.6	1090.4	4800.8	6218.3
70°	113.7	114.4	112.7	112.7	116.8	117.1	146.2	598.0	4643.9	6966.2
72.5°	102.7	103.8	101.0	100.3	103.4	102.1	109.9	287.0	3987.1	7189.5
75°	93.2	94.5	88.4	86.6	86.6	85.6	89.4	147.3	2587.7	5864.8
77.5°	84.6	87.3	77.4	71.9	70.5	67.5	72.9	90.1	1131.9	2753.5
80°	69.9	73.6	63.7	57.2	54.8	51.4	57.5	63.0	336.6	639.4
82.5°	52.1	53.8	45.2	40.8	38.7	36.3	43.2	43.8	109.6	226.4
85°	33.2	33.9	27.7	24.0	22.9	21.9	27.4	24.0	41.8	166.4
87.5°	11.6	13.4	10.6	9.6	10.3	8.6	12.7	7.2	11.6	117.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1204.1
1204.8
1212.7
1220.9
1224.0
1226.7
1233.6
1248.7
1271.6
1296.3
1326.4
1362.4
1389.1
1418.9
1468.5
1535.6
1636.7
1699.0
1735.3
1842.8
2002.1
2240.1
2566.1
2984.0
3523.3
4188.8
4977.1
5841.9
6867.2
7449.8
6273.0
2696.3
612.3
255.8
241.8
145.6
0.0

OF REPORT)