

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: P938953

Luminaire Tested: **GALN-SB1B-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938953
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-SB1B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4846 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

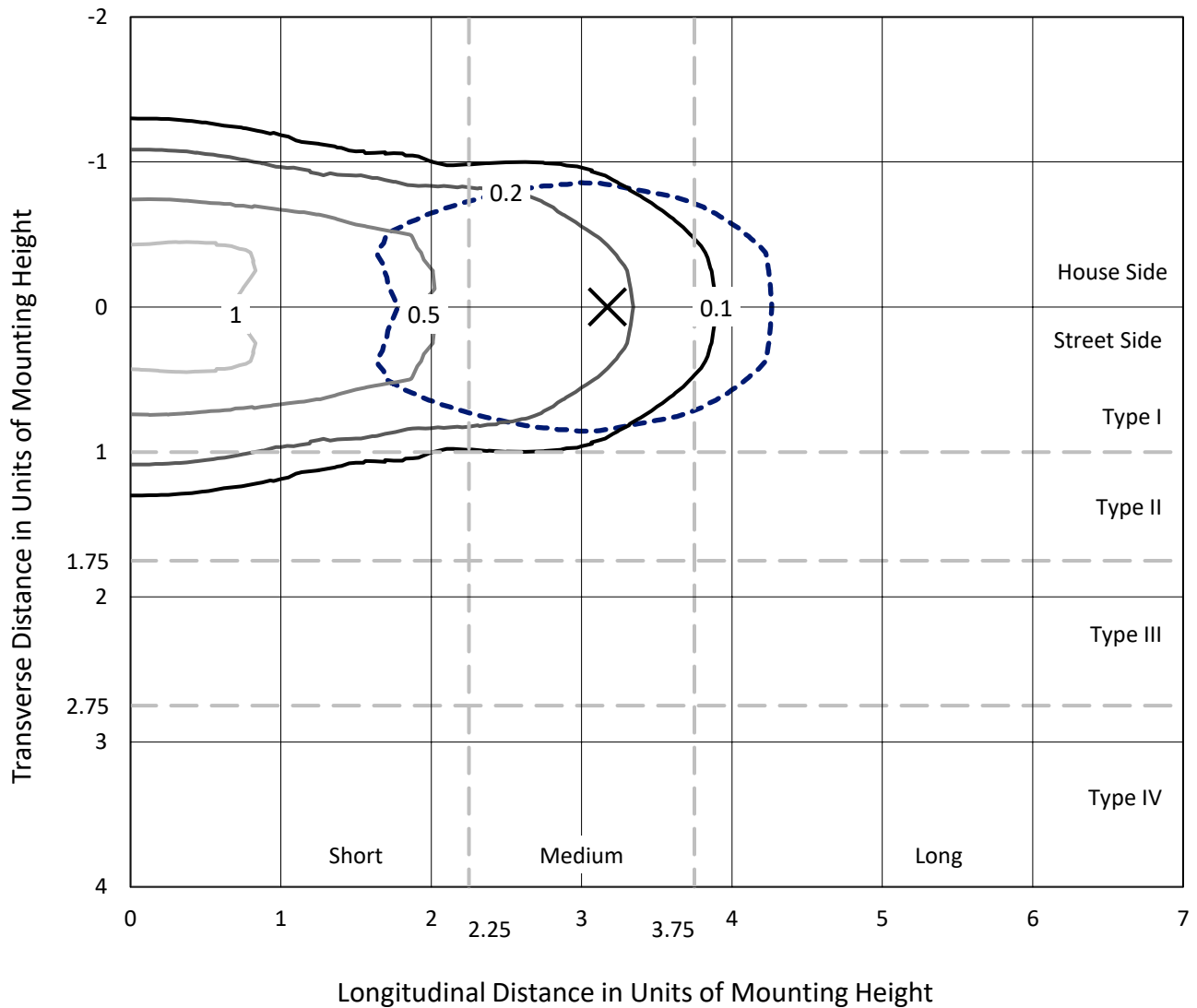
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

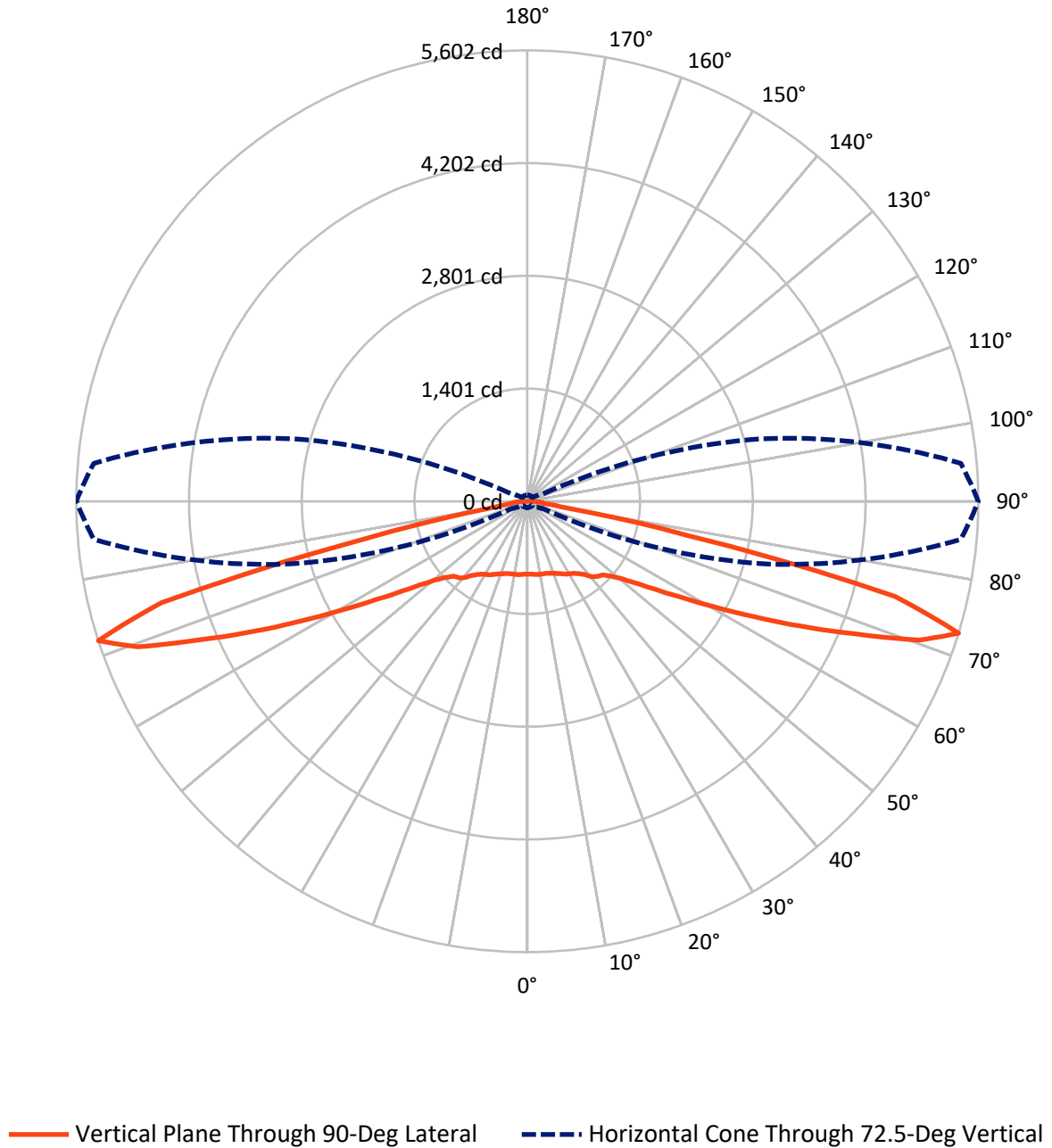
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	2423.0	0.0	2423.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2423.0	0.0	2423.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4846.0	0.0	4846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	1.8
10°-20°	268.5	5.5
20°-30°	447.6	9.2
30°-40°	615.6	12.7
40°-50°	751.9	15.5
50°-60°	869.6	17.9
60°-70°	1036.9	21.4
70°-80°	723.7	14.9
80°-90°	44.4	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°	4846.0	100.0
0°-180°	4846.0	100.0

Coefficient of Utilization



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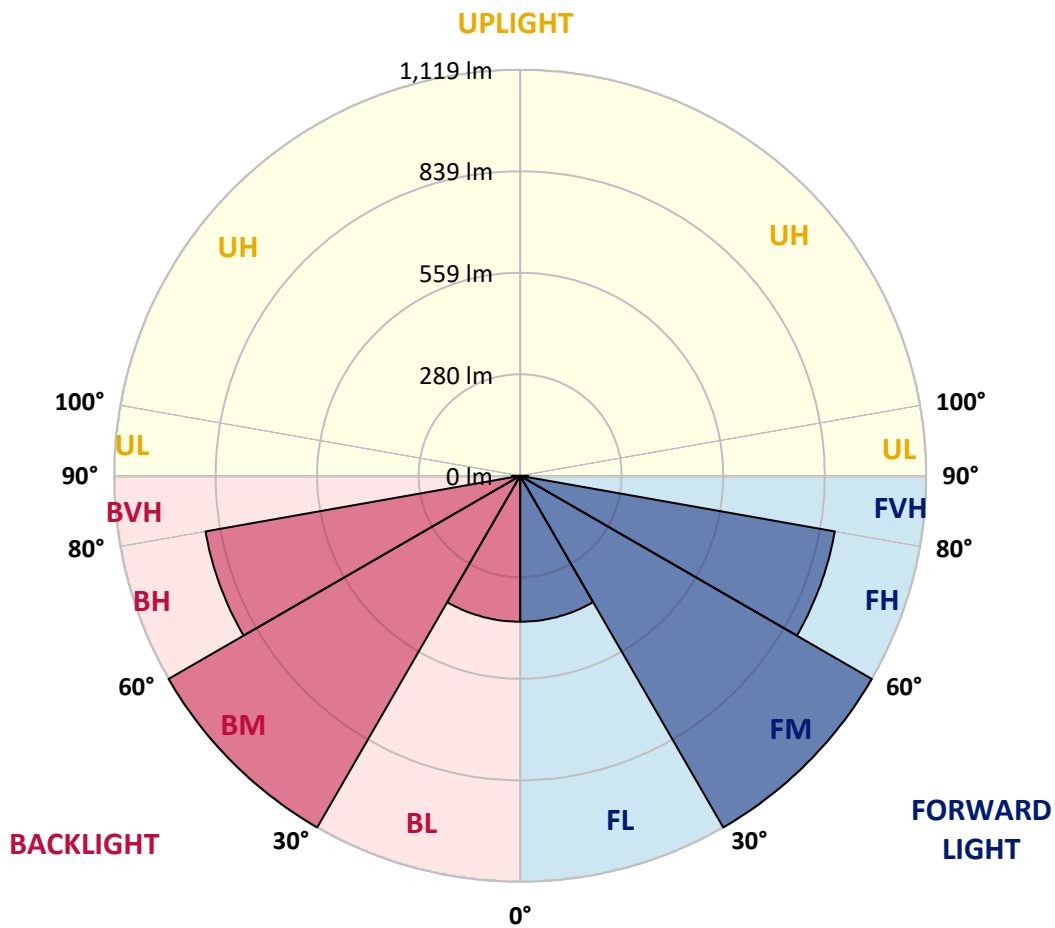
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.9	8.3			
FM (30°-60°)	1118.6	23.1			
FH (60°-80°)	880.3	18.2			G1/1800
FVH (80°-90°)	22.2	0.5			G1/100
BL (0°-30°)	401.9	8.3	B1/500		
BM (30°-60°)	1118.6	23.1	B2/2500		
BH (60°-80°)	880.3	18.2	B2/1000		G2/1000
BVH (80°-90°)	22.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	905.5	905.5	905.5	905.5	905.5	905.5	905.5	905.5	905.5	905.5
2.5°	906.3	907.3	907.3	906.6	908.4	906.8	906.8	906.0	906.8	906.0
5°	910.9	912.2	912.7	912.5	914.8	913.5	913.5	912.5	912.7	912.0
7.5°	919.7	921.5	922.5	923.8	927.2	925.6	924.6	921.5	920.2	918.1
10°	922.5	924.6	927.9	934.6	942.4	942.6	939.5	931.8	925.9	921.2
12.5°	913.8	916.6	923.6	937.2	954.5	961.4	956.5	943.6	932.1	923.8
15°	902.7	905.8	916.3	936.9	962.4	978.7	978.2	961.2	942.6	929.7
17.5°	885.4	888.5	903.7	932.6	968.6	995.4	1002.6	985.1	959.1	941.8
20°	854.3	857.1	878.2	918.7	970.7	1013.2	1032.0	1016.5	984.1	960.6
22.5°	813.8	818.2	842.9	894.7	965.8	1031.7	1065.5	1054.9	1013.2	980.7
25°	770.6	775.2	804.1	865.3	953.2	1045.1	1105.1	1098.4	1046.1	1005.7
27.5°	733.2	738.1	769.5	836.2	933.6	1050.3	1144.3	1147.6	1086.1	1033.3
30°	703.9	708.5	742.0	812.8	908.4	1045.1	1178.5	1201.7	1126.8	1057.2
32.5°	671.7	677.6	712.9	784.2	878.5	1032.8	1208.4	1260.2	1173.9	1083.0
35°	631.0	636.4	673.5	745.1	839.3	1012.9	1233.4	1325.1	1241.4	1122.1
37.5°	581.5	586.7	623.5	696.1	800.4	985.1	1252.4	1398.2	1321.7	1178.5
40°	531.8	536.7	571.2	641.5	753.8	949.6	1259.1	1469.8	1413.9	1256.0
42.5°	486.2	490.6	522.3	587.7	701.6	904.2	1250.4	1532.1	1496.6	1310.1
45°	444.3	448.1	476.2	537.2	647.2	849.1	1224.1	1599.1	1595.0	1348.8
47.5°	396.4	400.2	429.3	488.3	592.9	784.5	1179.6	1665.0	1731.7	1436.3
50°	337.9	341.2	371.1	431.9	536.5	715.7	1117.7	1716.8	1904.3	1569.0
52.5°	268.6	272.2	301.3	362.1	469.5	641.8	1036.4	1750.5	2103.6	1762.6
55°	199.9	202.4	227.7	282.3	386.6	557.6	934.4	1760.1	2329.7	2027.4
57.5°	145.0	146.5	162.8	203.5	293.1	452.2	810.5	1735.3	2598.9	2366.8
60°	117.4	118.0	122.8	140.9	203.7	333.3	660.9	1650.3	2890.9	2804.4
62.5°	106.6	106.6	107.9	112.8	137.8	219.9	479.8	1474.2	3204.1	3357.3
65°	99.2	99.2	99.7	102.0	108.7	140.1	302.9	1187.3	3468.1	4005.1
67.5°	92.5	92.7	92.5	93.2	97.1	103.5	175.6	820.0	3610.3	4676.2
70°	85.5	86.0	84.7	84.7	87.8	88.1	110.0	449.7	3492.3	5238.7
72.5°	77.3	78.0	76.0	75.5	77.8	76.7	82.7	215.8	2998.3	5406.6
75°	70.1	71.1	66.4	65.2	65.2	64.4	67.2	110.7	1946.0	4410.4
77.5°	63.6	65.7	58.2	54.1	53.1	50.7	54.9	67.7	851.2	2070.7
80°	52.5	55.4	47.9	43.0	41.2	38.6	43.3	47.4	253.2	480.8
82.5°	39.1	40.4	34.0	30.6	29.1	27.3	32.5	33.0	82.4	170.2
85°	25.0	25.5	20.9	18.0	17.3	16.5	20.6	18.0	31.4	125.2
87.5°	8.8	10.0	8.0	7.2	7.7	6.4	9.5	5.4	8.8	88.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

905.5
906.0
912.0
918.1
920.5
922.5
927.7
939.0
956.3
974.8
997.5
1024.5
1044.6
1067.0
1104.4
1154.8
1230.8
1277.7
1305.0
1385.8
1505.6
1684.6
1929.8
2244.0
2649.6
3150.0
3742.9
4393.2
5164.3
5602.4
4717.4
2027.6
460.5
192.4
181.8
109.5
0.0

OF REPORT)