

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: P939343

Luminaire Tested: **GALN-SB1D-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939343
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-SB1D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6130 lumens
Efficiency: N/A
Efficacy: 77.0 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

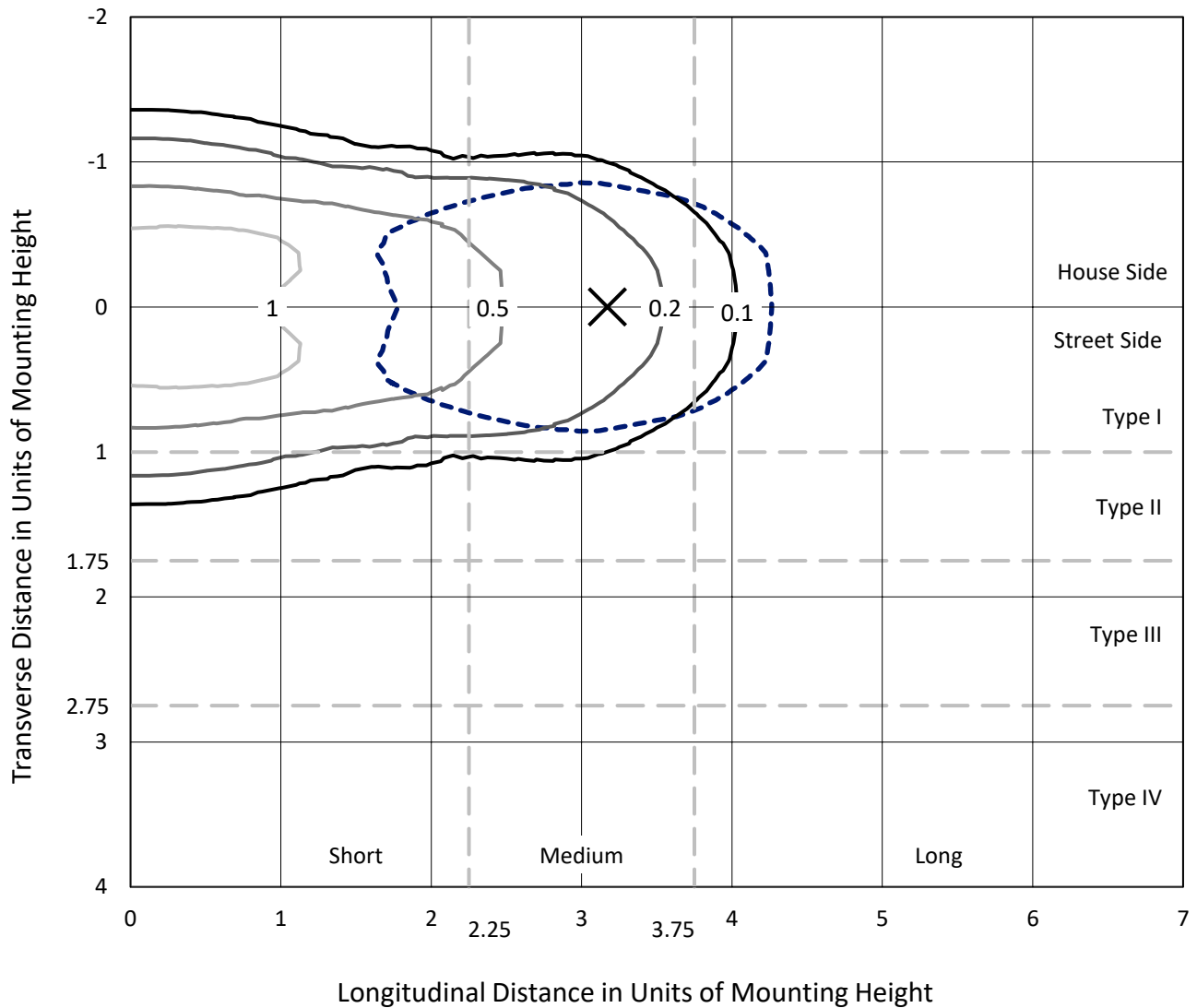
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

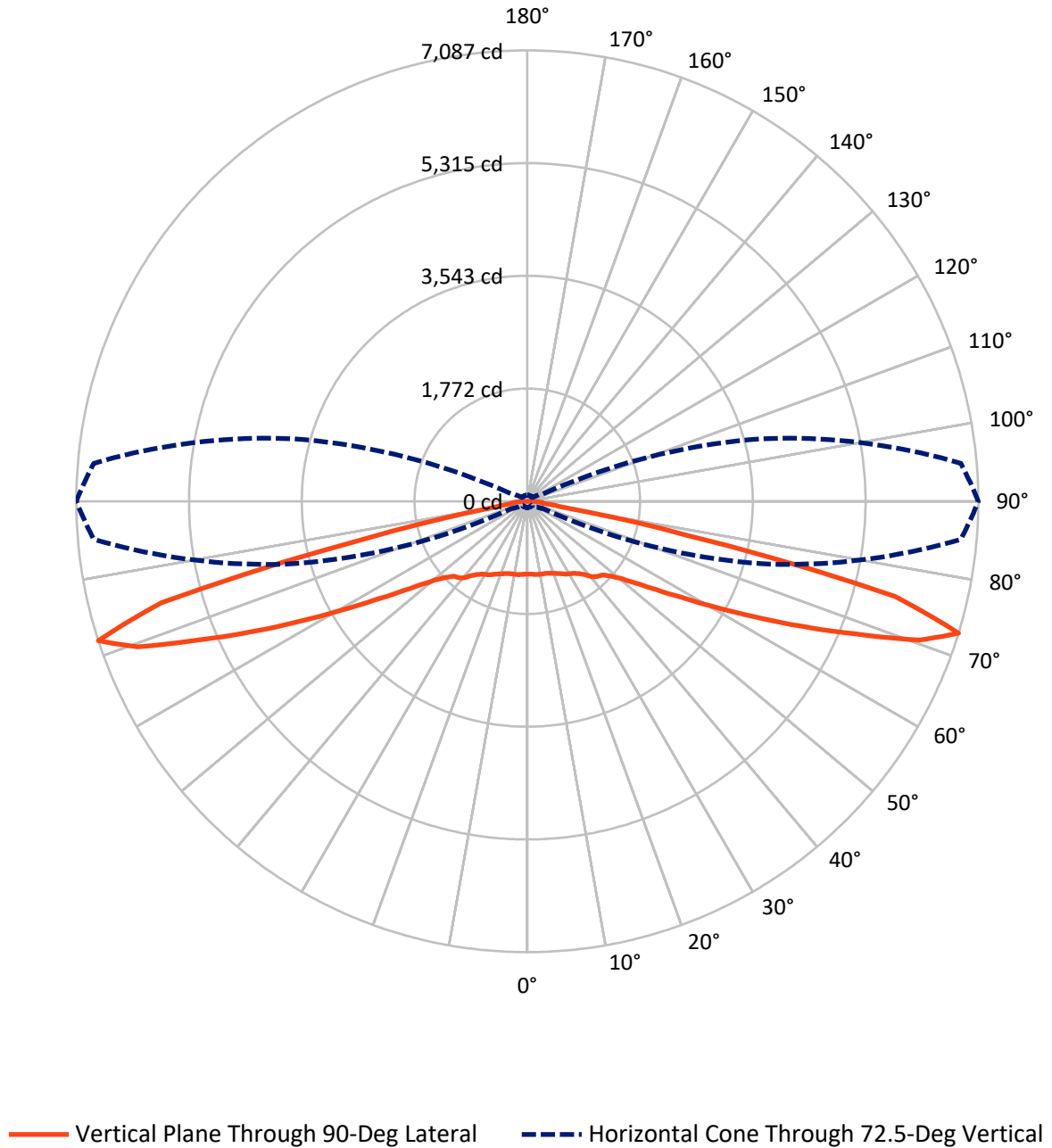
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	3065.0	0.0	3065.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3065.0	0.0	3065.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6130.0	0.0	6130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	1.8
10°-20°	339.6	5.5
20°-30°	566.2	9.2
30°-40°	778.8	12.7
40°-50°	951.1	15.5
50°-60°	1100.0	17.9
60°-70°	1311.6	21.4
70°-80°	915.4	14.9
80°-90°	56.2	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°	6130.0	100.0
0°-180°	6130.0	100.0

Coefficient of Utilization



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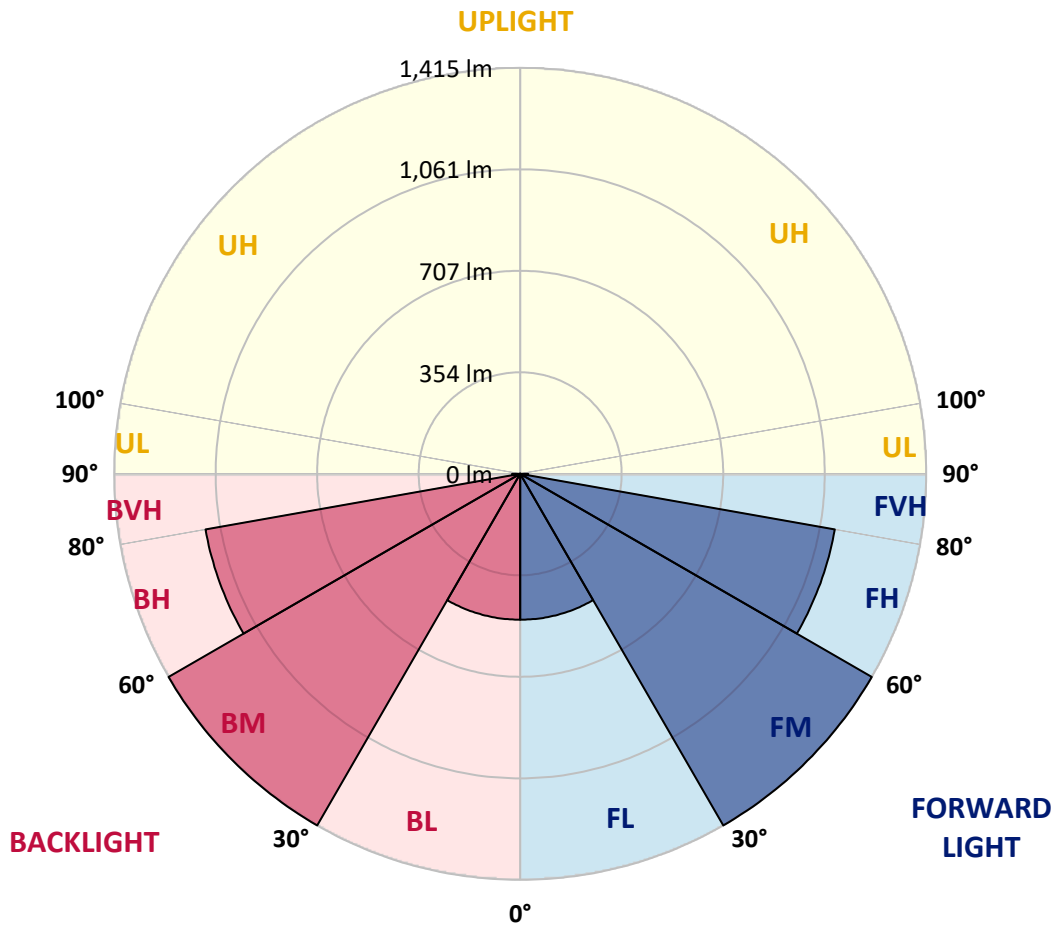
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.5	8.3			
FM (30°-60°)	1414.9	23.1			
FH (60°-80°)	1113.5	18.2			G1/1800
FVH (80°-90°)	28.1	0.5			G1/100
BL (0°-30°)	508.5	8.3	B2/1000		
BM (30°-60°)	1414.9	23.1	B2/2500		
BH (60°-80°)	1113.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	28.1	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°	1145.5	1145.5	1145.5	1145.5	1145.5	1145.5	1145.5	1145.5	1145.5	1145.5
2.5°	1146.4	1147.7	1147.7	1146.8	1149.0	1147.1	1147.1	1146.1	1147.1	1146.1
5°	1152.3	1153.9	1154.6	1154.3	1157.2	1155.6	1155.6	1154.3	1154.6	1153.6
7.5°	1163.4	1165.7	1167.0	1168.6	1172.8	1170.9	1169.6	1165.7	1164.0	1161.4
10°	1167.0	1169.6	1173.8	1182.3	1192.0	1192.4	1188.5	1178.7	1171.2	1165.3
12.5°	1155.9	1159.5	1168.3	1185.5	1207.4	1216.2	1210.0	1193.7	1179.0	1168.6
15°	1141.9	1145.8	1159.1	1185.2	1217.5	1238.0	1237.3	1215.8	1192.4	1176.1
17.5°	1120.0	1124.0	1143.2	1179.7	1225.3	1259.2	1268.3	1246.1	1213.2	1191.4
20°	1080.6	1084.2	1110.9	1162.1	1227.9	1281.6	1305.4	1285.9	1244.8	1215.2
22.5°	1029.5	1035.0	1066.3	1131.8	1221.7	1305.1	1347.8	1334.4	1281.6	1240.6
25°	974.7	980.6	1017.1	1094.6	1205.7	1322.0	1397.9	1389.5	1323.3	1272.2
27.5°	927.5	933.7	973.4	1057.8	1181.0	1328.5	1447.5	1451.7	1373.8	1307.0
30°	890.4	896.2	938.6	1028.2	1149.0	1322.0	1490.8	1520.1	1425.3	1337.3
32.5°	849.6	857.1	901.8	992.0	1111.2	1306.4	1528.6	1594.1	1484.9	1369.9
35°	798.2	805.0	851.9	942.5	1061.7	1281.3	1560.2	1676.2	1570.3	1419.4
37.5°	735.6	742.1	788.7	880.6	1012.5	1246.1	1584.3	1768.7	1671.9	1490.8
40°	672.7	678.9	722.6	811.5	953.6	1201.2	1592.8	1859.2	1788.6	1588.8
42.5°	615.1	620.6	660.7	743.4	887.4	1143.8	1581.7	1938.1	1893.1	1657.3
45°	562.0	566.9	602.4	679.6	818.7	1074.1	1548.4	2022.8	2017.6	1706.1
47.5°	501.4	506.3	543.1	617.7	750.0	992.3	1492.1	2106.2	2190.6	1816.9
50°	427.4	431.7	469.5	546.3	678.6	905.4	1413.9	2171.7	2408.8	1984.7
52.5°	339.8	344.4	381.2	458.1	593.9	811.9	1311.0	2214.4	2661.0	2229.7
55°	252.8	256.1	288.0	357.1	489.0	705.3	1181.9	2226.4	2947.0	2564.6
57.5°	183.4	185.4	205.9	257.4	370.7	572.1	1025.2	2195.1	3287.5	2994.0
60°	148.6	149.2	155.4	178.2	257.7	421.6	836.0	2087.6	3656.9	3547.5
62.5°	134.9	134.9	136.5	142.7	174.3	278.2	606.9	1864.8	4053.1	4246.9
65°	125.4	125.4	126.1	129.0	137.5	177.2	383.1	1501.9	4387.0	5066.3
67.5°	117.0	117.3	117.0	117.9	122.8	131.0	222.2	1037.3	4566.8	5915.3
70°	108.2	108.8	107.2	107.2	111.1	111.4	139.1	568.8	4417.6	6626.8
72.5°	97.7	98.7	96.1	95.5	98.4	97.1	104.6	273.0	3792.8	6839.2
75°	88.6	89.9	84.1	82.4	82.4	81.4	85.0	140.1	2461.6	5579.0
77.5°	80.5	83.1	73.6	68.4	67.1	64.2	69.4	85.7	1076.7	2619.3
80°	66.5	70.0	60.6	54.4	52.1	48.9	54.7	59.9	320.2	608.2
82.5°	49.5	51.1	43.0	38.8	36.8	34.5	41.0	41.7	104.3	215.3
85°	31.6	32.3	26.4	22.8	21.8	20.9	26.1	22.8	39.7	158.3
87.5°	11.1	12.7	10.1	9.1	9.8	8.1	12.1	6.8	11.1	111.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1145.5
1146.1
1153.6
1161.4
1164.4
1167.0
1173.5
1187.8
1209.6
1233.1
1261.8
1296.0
1321.4
1349.7
1397.0
1460.8
1556.9
1616.2
1650.7
1753.0
1904.5
2131.0
2441.1
2838.6
3351.7
3984.7
4734.6
5557.2
6532.6
7086.8
5967.4
2564.9
582.5
243.4
230.0
138.5
0.0

OF REPORT)