

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: P939053

Luminaire Tested: **GALN-SB1C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939053
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-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6122 lumens
Efficiency: N/A
Efficacy: 112.5 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



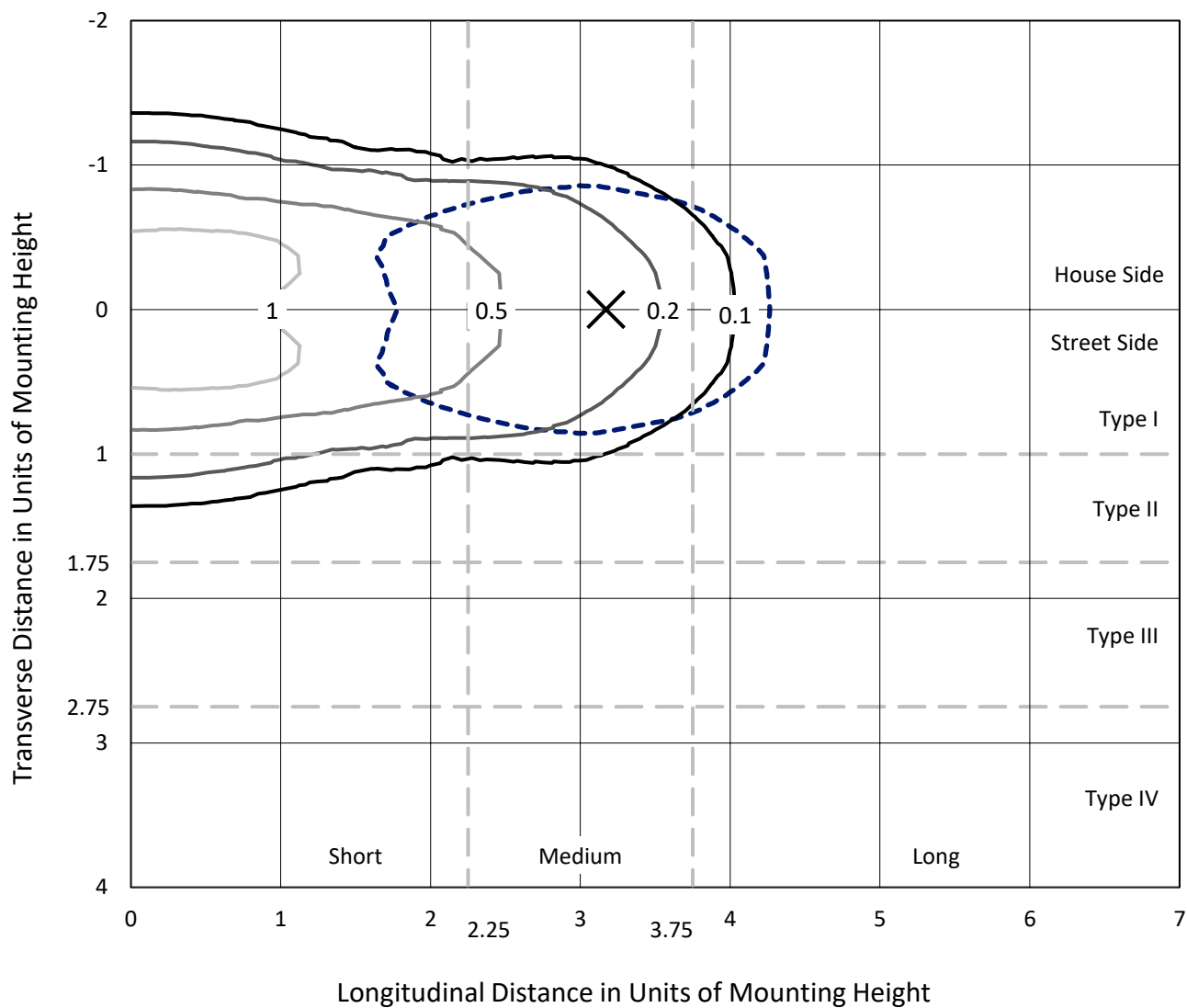
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Iso-Footcandle Lines of Horizontal Illumination

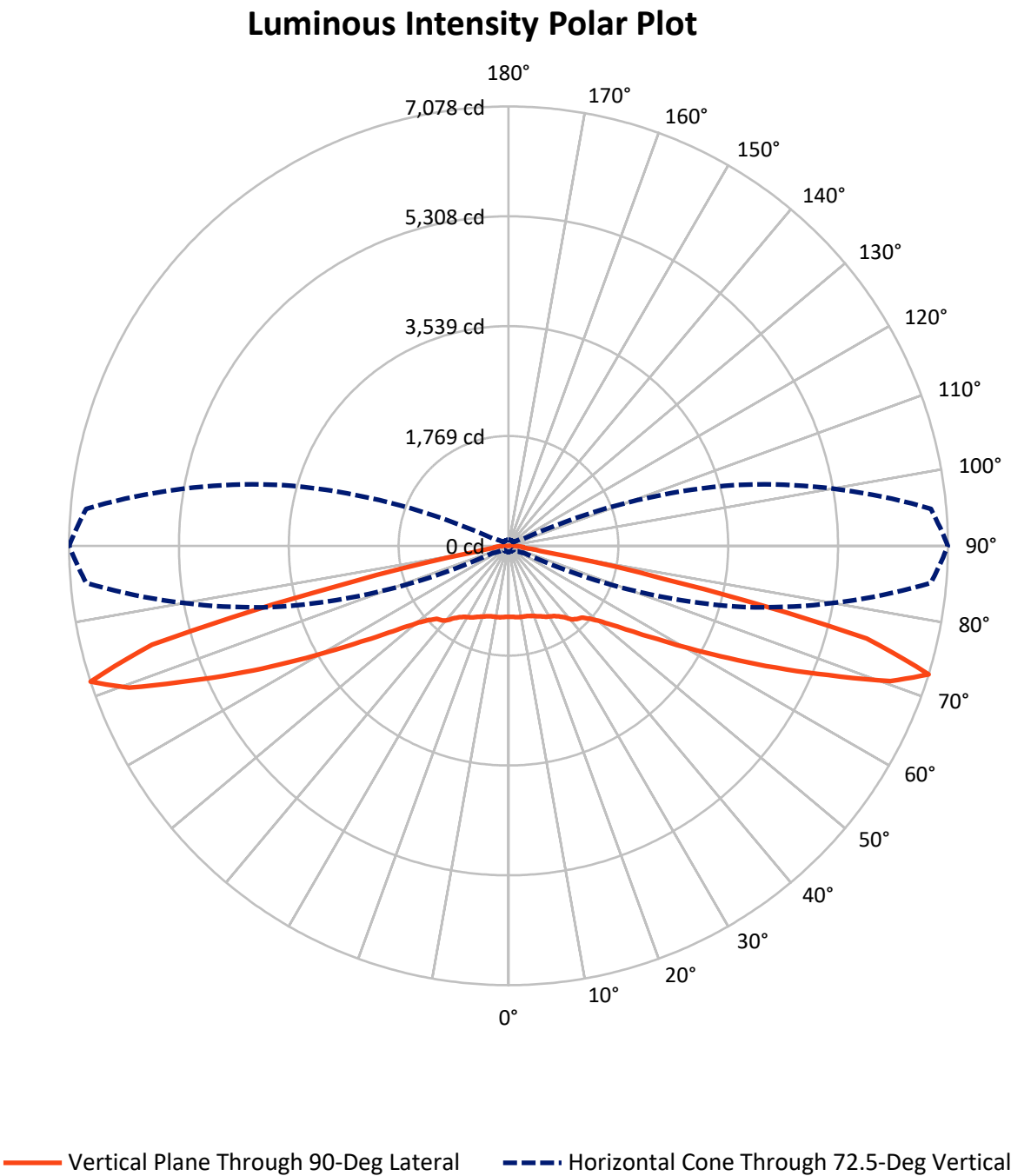
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type I - Short - N/A

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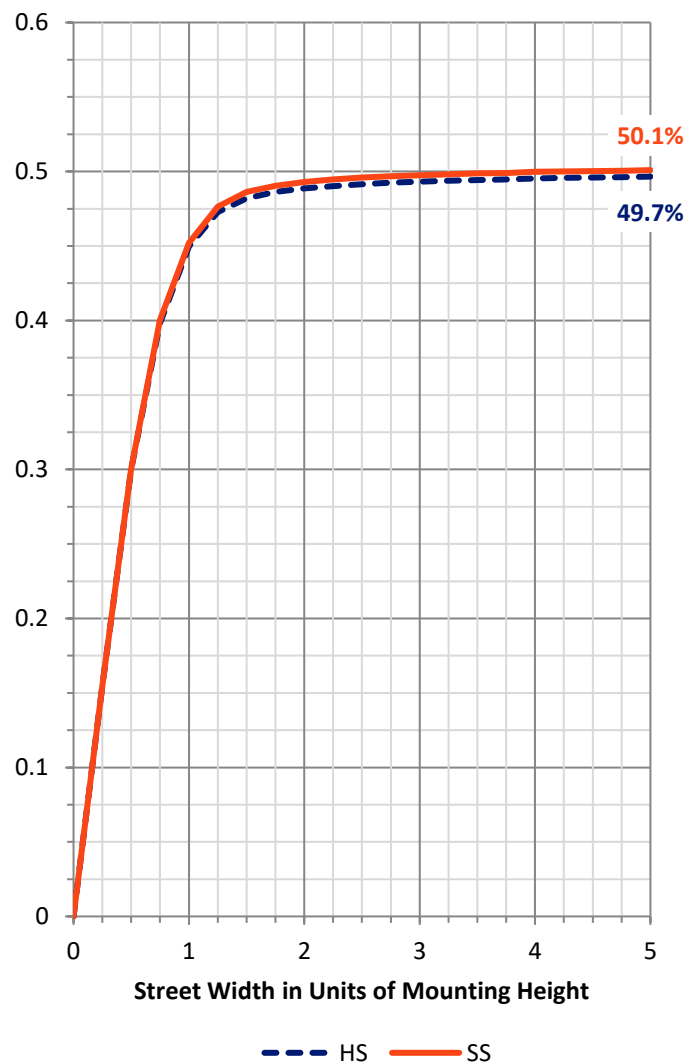
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3061.0	0.0	3061.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3061.0	0.0	3061.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6122.0	0.0	6122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	1.8
10°-20°	339.2	5.5
20°-30°	565.5	9.2
30°-40°	777.7	12.7
40°-50°	949.8	15.5
50°-60°	1098.6	17.9
60°-70°	1309.9	21.4
70°-80°	914.2	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°	6122.0	100.0
0°-180°	6122.0	100.0

Coefficient of Utilization



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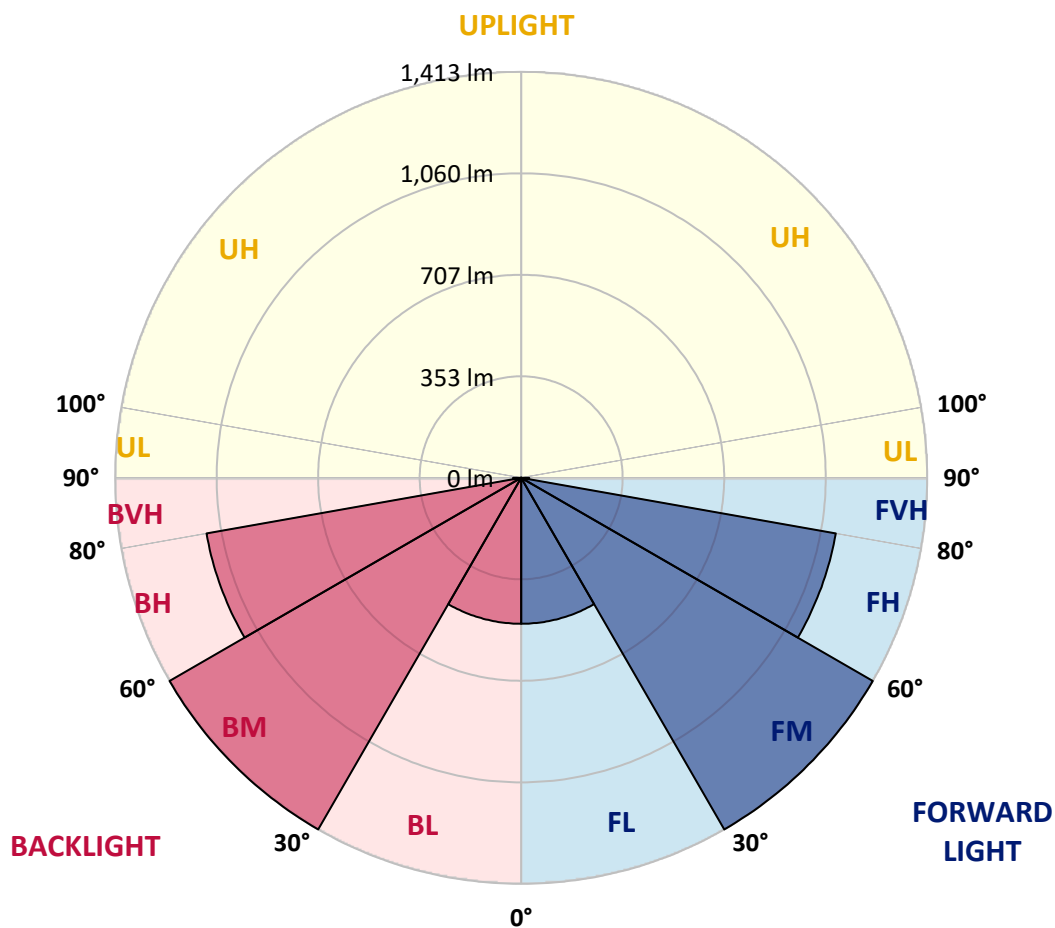
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.8	8.3			
FM	(30°-60°)	1413.1	23.1			
FH	(60°-80°)	1112.1	18.2			G1/1800
FVH	(80°-90°)	28.1	0.5			G1/100
BL	(0°-30°)	507.8	8.3	B2/1000		
BM	(30°-60°)	1413.1	23.1	B2/2500		
BH	(60°-80°)	1112.1	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°	90°
0°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0
2.5°	1144.9	1146.2	1146.2	1145.3	1147.5	1145.6	1145.6	1144.6	1145.6	1144.6	1144.6
5°	1150.8	1152.4	1153.1	1152.7	1155.7	1154.0	1154.0	1152.7	1153.1	1152.1	1152.1
7.5°	1161.9	1164.1	1165.4	1167.1	1171.3	1169.3	1168.0	1164.1	1162.5	1159.9	1159.9
10°	1165.4	1168.0	1172.3	1180.7	1190.5	1190.8	1186.9	1177.1	1169.7	1163.8	1162.8
12.5°	1154.4	1158.0	1166.7	1184.0	1205.8	1214.6	1208.4	1192.1	1177.5	1167.1	1165.4
15°	1140.4	1144.3	1157.6	1183.7	1215.9	1236.4	1235.7	1214.2	1190.8	1174.5	1171.9
17.5°	1118.6	1122.5	1141.7	1178.1	1223.7	1257.5	1266.6	1244.5	1211.6	1189.8	1186.3
20°	1079.2	1082.8	1109.5	1160.6	1226.3	1280.0	1303.7	1284.2	1243.2	1213.6	1208.1
22.5°	1028.1	1033.7	1064.9	1130.3	1220.1	1303.4	1346.0	1332.7	1280.0	1239.0	1231.5
25°	973.5	979.3	1015.8	1093.2	1204.2	1320.3	1396.1	1387.7	1321.6	1270.5	1260.1
27.5°	926.3	932.5	972.2	1056.4	1179.4	1326.8	1445.6	1449.8	1372.0	1305.3	1294.3
30°	889.2	895.1	937.4	1026.8	1147.5	1320.3	1488.8	1518.1	1423.4	1335.6	1319.7
32.5°	848.5	856.0	900.6	990.7	1109.8	1304.7	1526.6	1592.0	1483.0	1368.1	1348.0
35°	797.1	804.0	850.8	941.3	1060.3	1279.6	1558.1	1674.0	1568.2	1417.6	1395.1
37.5°	734.7	741.2	787.7	879.4	1011.2	1244.5	1582.2	1766.4	1669.7	1488.8	1458.9
40°	671.9	678.0	721.6	810.5	952.3	1199.6	1590.7	1856.8	1786.2	1586.8	1554.9
42.5°	614.3	619.8	659.8	742.5	886.3	1142.3	1579.6	1935.6	1890.7	1655.1	1614.1
45°	561.2	566.1	601.6	678.7	817.6	1072.7	1546.4	2020.2	2014.9	1703.9	1648.6
47.5°	500.7	505.6	542.4	616.9	749.0	991.0	1490.1	2103.4	2187.7	1814.5	1750.8
50°	426.9	431.1	468.8	545.6	677.7	904.2	1412.1	2168.8	2405.7	1982.1	1902.0
52.5°	339.3	343.9	380.7	457.5	593.1	810.8	1309.2	2211.5	2657.5	2226.8	2128.2
55°	252.5	255.7	287.6	356.6	488.4	704.4	1180.4	2223.5	2943.2	2561.2	2437.9
57.5°	183.2	185.1	205.6	257.0	370.3	571.3	1023.9	2192.3	3283.2	2990.0	2834.8
60°	148.4	149.0	155.2	178.0	257.4	421.0	834.9	2084.9	3652.1	3542.8	3347.3
62.5°	134.7	134.7	136.3	142.5	174.1	277.9	606.1	1862.4	4047.8	4241.4	3979.5
65°	125.3	125.3	125.9	128.8	137.3	177.0	382.6	1499.9	4381.3	5059.6	4728.4
67.5°	116.8	117.1	116.8	117.8	122.7	130.8	221.9	1035.9	4560.9	5907.5	5550.0
70°	108.0	108.7	107.0	107.0	110.9	111.3	138.9	568.1	4411.9	6618.1	6524.1
72.5°	97.6	98.6	96.0	95.3	98.3	97.0	104.4	272.7	3787.8	6830.3	7077.5
75°	88.5	89.8	83.9	82.3	82.3	81.3	84.9	139.9	2458.4	5571.8	5959.6
77.5°	80.4	83.0	73.5	68.3	67.0	64.1	69.3	85.6	1075.3	2615.9	2561.5
80°	66.4	70.0	60.5	54.3	52.1	48.8	54.7	59.9	319.8	607.4	581.7
82.5°	49.5	51.1	42.9	38.7	36.8	34.5	41.0	41.6	104.1	215.1	243.0
85°	31.6	32.2	26.4	22.8	21.8	20.8	26.0	22.8	39.7	158.1	229.7
87.5°	11.1	12.7	10.1	9.1	9.8	8.1	12.0	6.8	11.1	111.6	138.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)