

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: P938903

Luminaire Tested: **GALN-SB1B-730-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938903
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-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5572 lumens
Efficiency: N/A
Efficacy: 140.0 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): 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

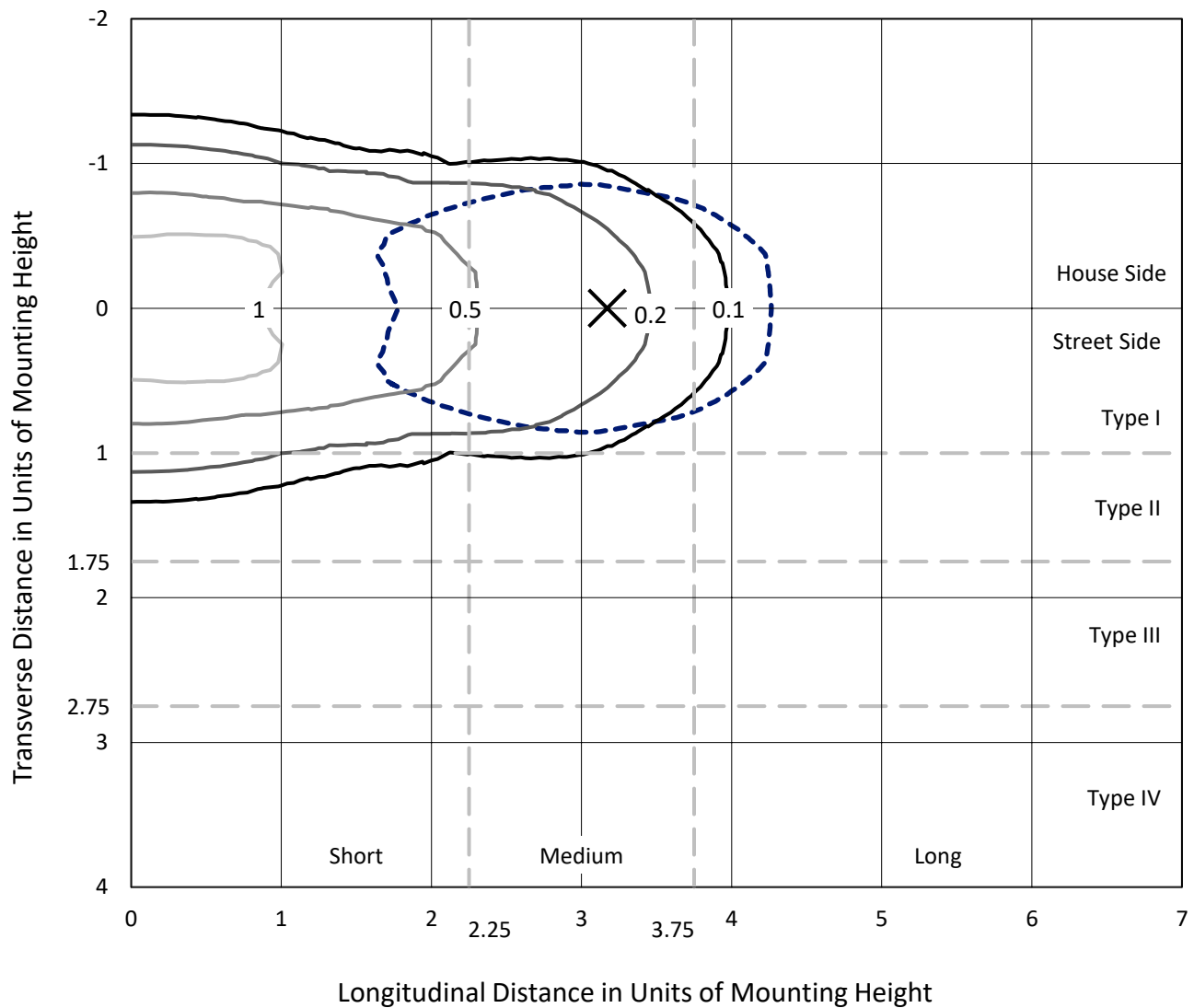


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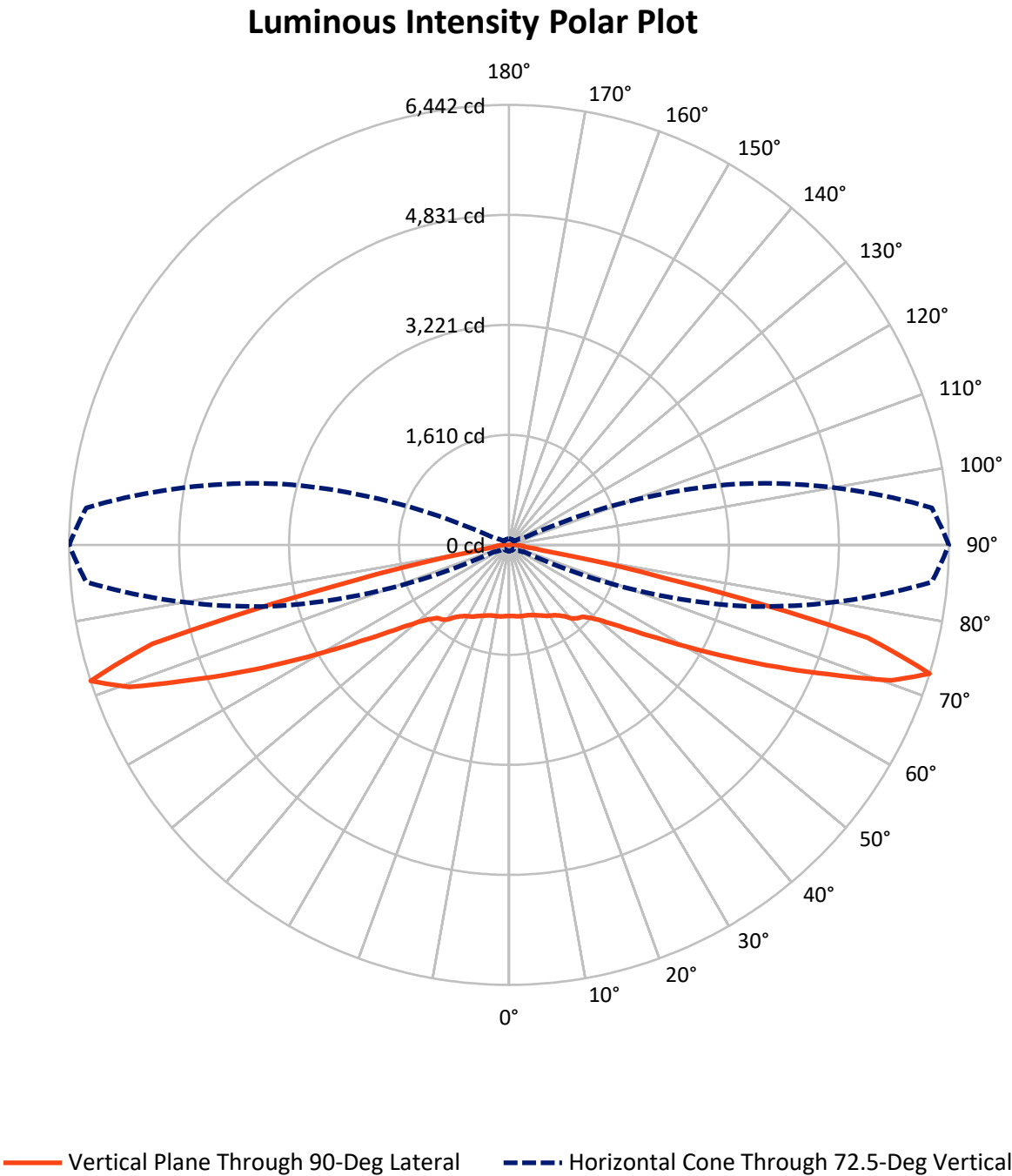
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type I - Short - N/A

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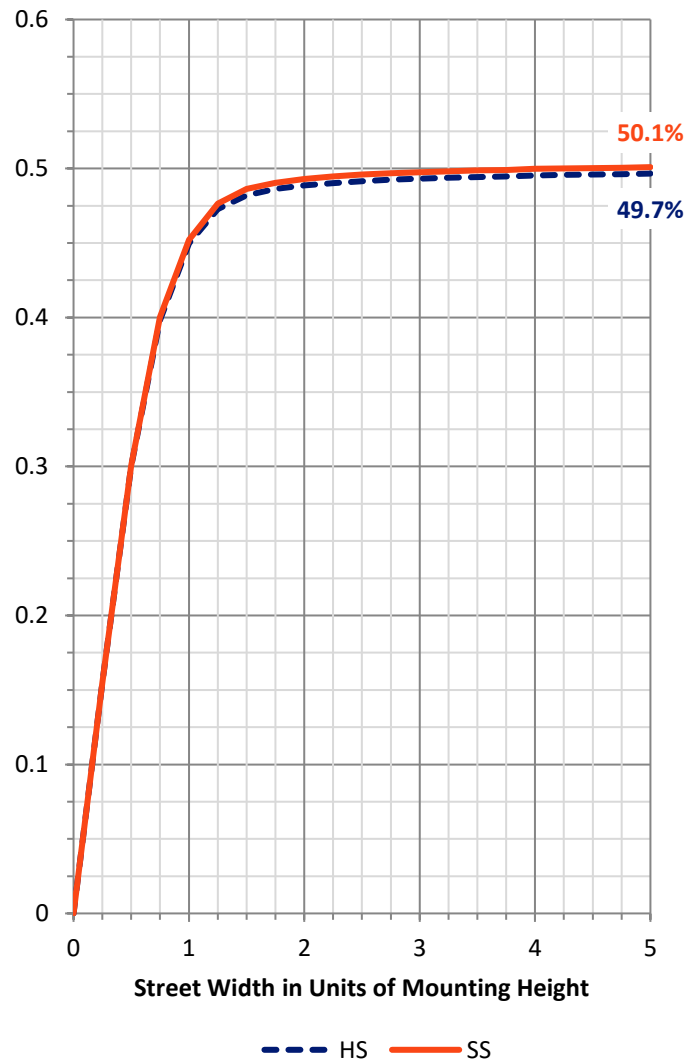
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2786.0	0.0	2786.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2786.0	0.0	2786.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5572.0	0.0	5572.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	1.8
10°-20°	308.7	5.5
20°-30°	514.7	9.2
30°-40°	707.9	12.7
40°-50°	864.5	15.5
50°-60°	999.9	17.9
60°-70°	1192.2	21.4
70°-80°	832.1	14.9
80°-90°	51.1	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°	5572.0	100.0
0°-180°	5572.0	100.0

Coefficient of Utilization



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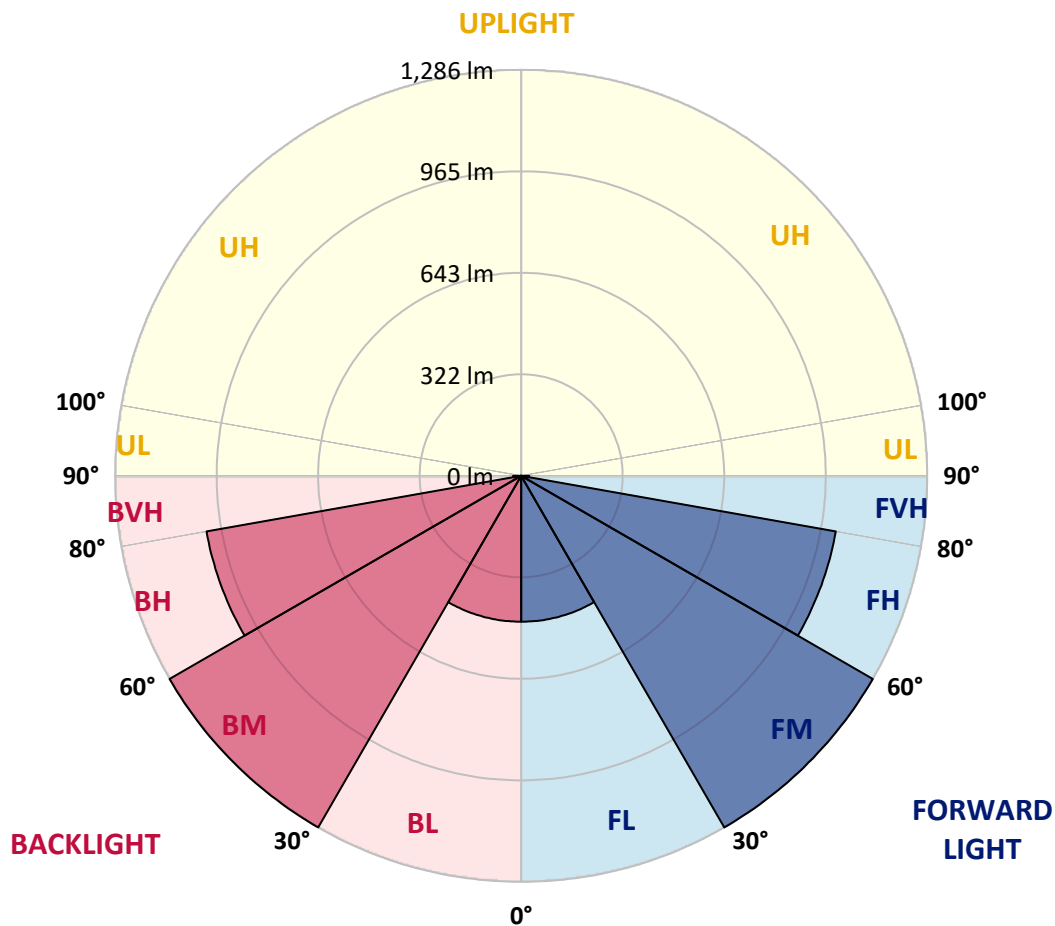
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	462.2	8.3			
FM	(30°-60°)	1286.1	23.1			
FH	(60°-80°)	1012.1	18.2			G1/1800
FVH	(80°-90°)	25.6	0.5			G1/100
BL	(0°-30°)	462.2	8.3	B1/500		
BM	(30°-60°)	1286.1	23.1	B2/2500		
BH	(60°-80°)	1012.1	18.2	B3/2500		G3/2500
BVH	(80°-90°)	25.6	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°	90°
0°	1041.2	1041.2	1041.2	1041.2	1041.2	1041.2	1041.2	1041.2	1041.2	1041.2	1041.2
2.5°	1042.1	1043.3	1043.3	1042.4	1044.4	1042.7	1042.7	1041.8	1042.7	1041.8	1041.8
5°	1047.4	1048.9	1049.5	1049.2	1051.8	1050.4	1050.4	1049.2	1049.5	1048.6	1048.6
7.5°	1057.5	1059.5	1060.7	1062.2	1066.1	1064.3	1063.1	1059.5	1058.1	1055.7	1055.7
10°	1060.7	1063.1	1067.0	1074.6	1083.5	1083.8	1080.3	1071.4	1064.6	1059.3	1058.4
12.5°	1050.7	1053.9	1061.9	1077.6	1097.5	1105.4	1099.8	1085.0	1071.7	1062.2	1060.7
15°	1037.9	1041.5	1053.6	1077.3	1106.6	1125.3	1124.7	1105.2	1083.8	1069.0	1066.7
17.5°	1018.1	1021.6	1039.1	1072.3	1113.7	1144.5	1152.8	1132.7	1102.8	1082.9	1079.7
20°	982.3	985.5	1009.8	1056.3	1116.1	1165.0	1186.6	1168.8	1131.5	1104.6	1099.5
22.5°	935.8	940.8	969.2	1028.7	1110.5	1186.3	1225.1	1212.9	1165.0	1127.7	1120.8
25°	886.0	891.3	924.5	995.0	1096.0	1201.7	1270.7	1263.0	1202.9	1156.4	1146.9
27.5°	843.1	848.7	884.8	961.5	1073.5	1207.6	1315.7	1319.5	1248.8	1188.1	1178.0
30°	809.3	814.6	853.1	934.6	1044.4	1201.7	1355.1	1381.7	1295.6	1215.6	1201.1
32.5°	772.3	779.1	819.7	901.7	1010.1	1187.5	1389.4	1449.0	1349.8	1245.2	1226.9
35°	725.5	731.7	774.4	856.7	965.1	1164.7	1418.2	1523.6	1427.3	1290.2	1269.8
37.5°	668.7	674.6	716.9	800.4	920.4	1132.7	1440.1	1607.7	1519.7	1355.1	1327.8
40°	611.5	617.1	656.8	737.7	866.8	1091.8	1447.8	1690.0	1625.7	1444.2	1415.2
42.5°	559.1	564.1	600.5	675.8	806.7	1039.7	1437.7	1761.7	1720.8	1506.4	1469.1
45°	510.8	515.3	547.5	617.7	744.2	976.3	1407.5	1838.7	1833.9	1550.8	1500.5
47.5°	455.7	460.2	493.6	561.5	681.7	902.0	1356.3	1914.5	1991.2	1651.5	1593.5
50°	388.5	392.4	426.7	496.6	616.8	822.9	1285.2	1974.0	2189.6	1804.0	1731.2
52.5°	308.9	313.0	346.5	416.4	539.8	738.0	1191.6	2012.8	2418.8	2026.7	1937.0
55°	229.8	232.8	261.8	324.6	444.5	641.1	1074.4	2023.7	2678.8	2331.1	2218.9
57.5°	166.7	168.5	187.2	233.9	337.0	520.0	931.9	1995.3	2988.2	2721.4	2580.2
60°	135.0	135.6	141.3	162.0	234.2	383.2	759.9	1897.6	3324.0	3224.5	3046.6
62.5°	122.6	122.6	124.1	129.7	158.4	252.9	551.7	1695.0	3684.1	3860.3	3621.9
65°	114.0	114.0	114.6	117.3	125.0	161.1	348.2	1365.2	3987.7	4605.1	4303.6
67.5°	106.3	106.6	106.3	107.2	111.6	119.0	202.0	942.9	4151.1	5376.8	5051.4
70°	98.3	98.9	97.4	97.4	101.0	101.3	126.4	517.0	4015.5	6023.5	5938.0
72.5°	88.8	89.7	87.4	86.8	89.4	88.2	95.1	248.2	3447.5	6216.6	6441.7
75°	80.5	81.7	76.4	74.9	74.9	74.0	77.3	127.3	2237.5	5071.2	5424.2
77.5°	73.1	75.5	66.9	62.2	61.0	58.3	63.1	77.9	978.7	2380.9	2331.4
80°	60.4	63.7	55.1	49.5	47.4	44.4	49.7	54.5	291.1	552.9	529.5
82.5°	45.0	46.5	39.1	35.2	33.5	31.4	37.3	37.9	94.8	195.7	221.2
85°	28.7	29.3	24.0	20.7	19.8	19.0	23.7	20.7	36.1	143.9	209.1
87.5°	10.1	11.5	9.2	8.3	8.9	7.4	11.0	6.2	10.1	101.6	125.9
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)