

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: P938913

Luminaire Tested: **GALN-SB1B-735-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938913  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 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

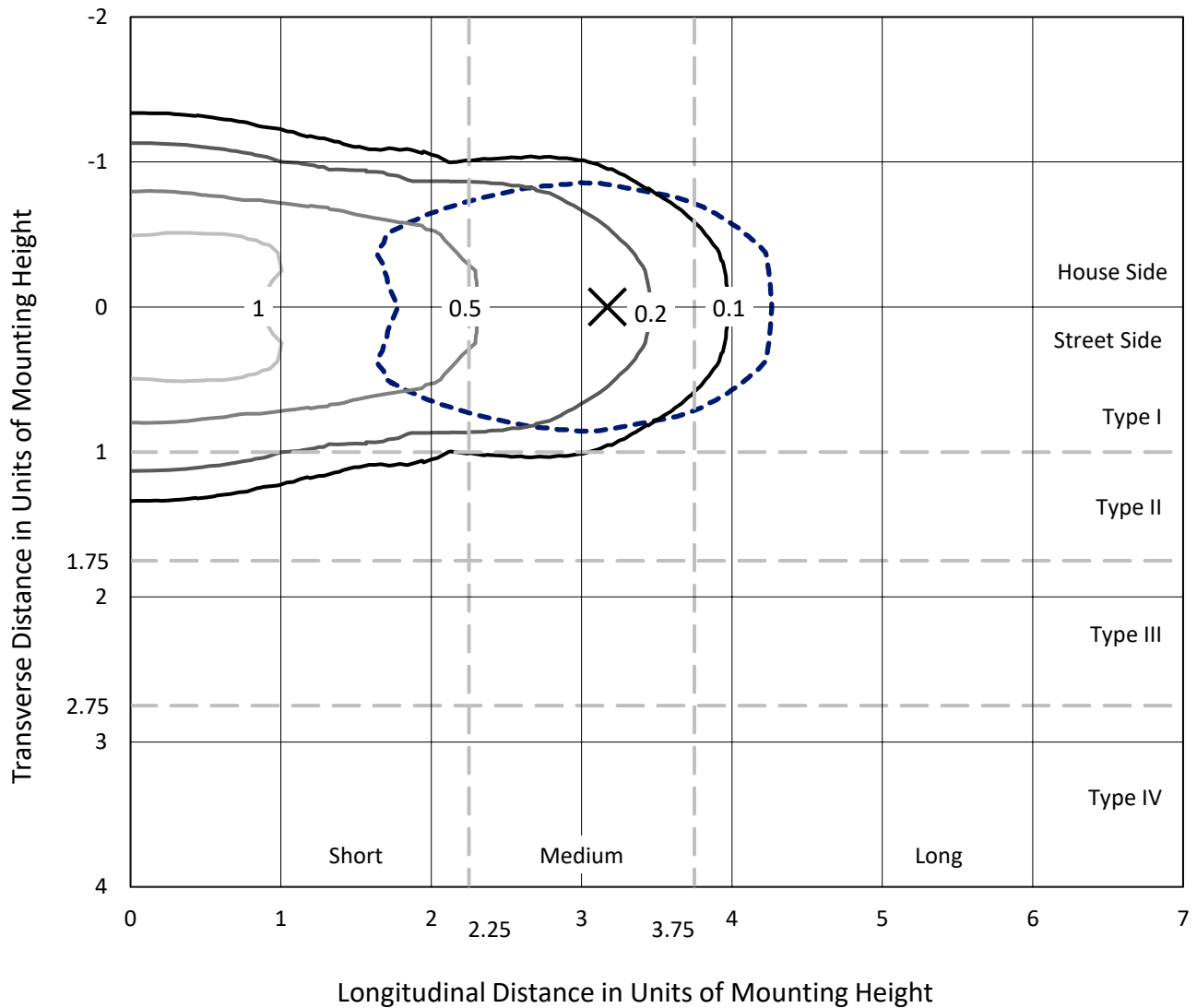
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

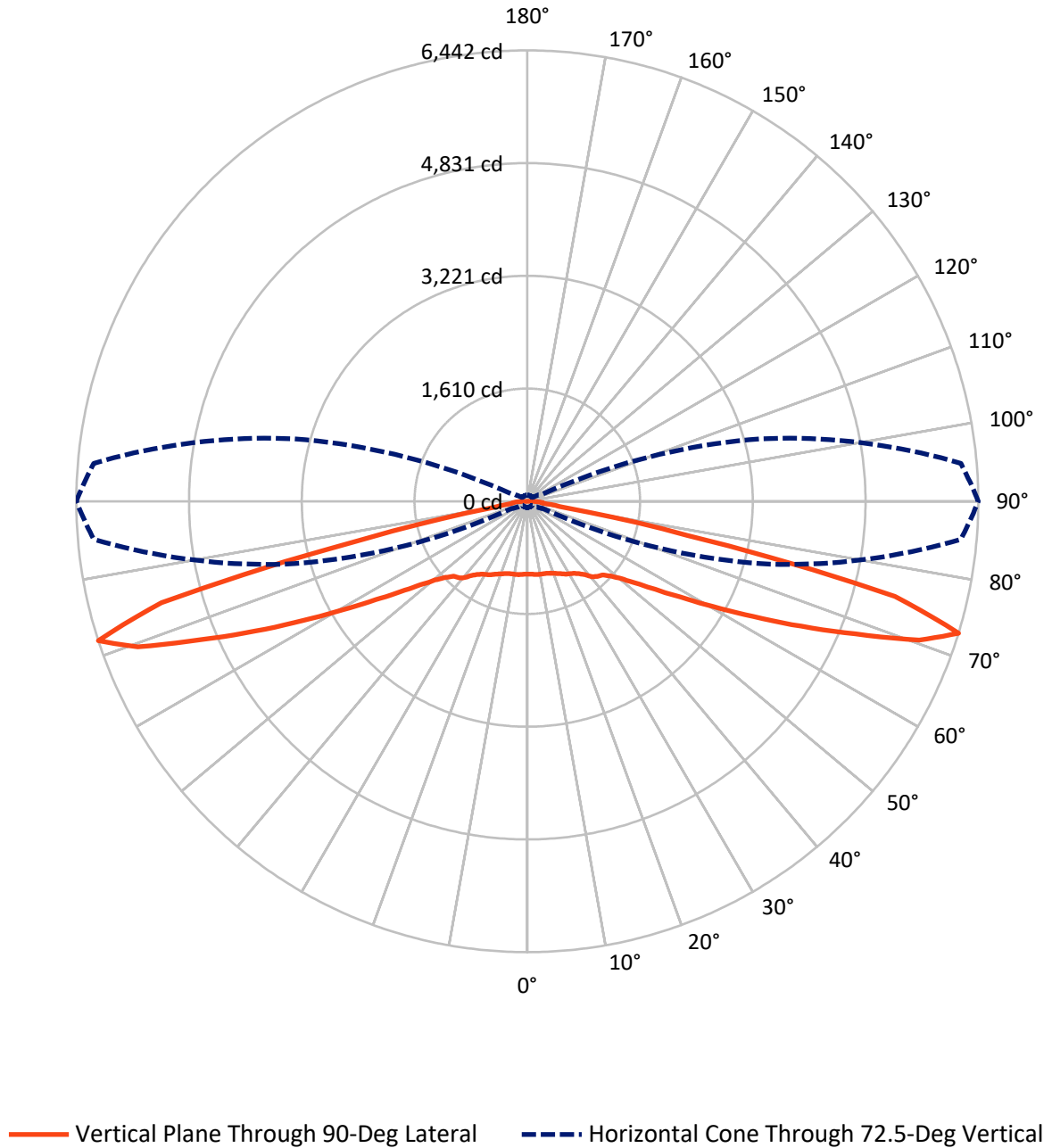
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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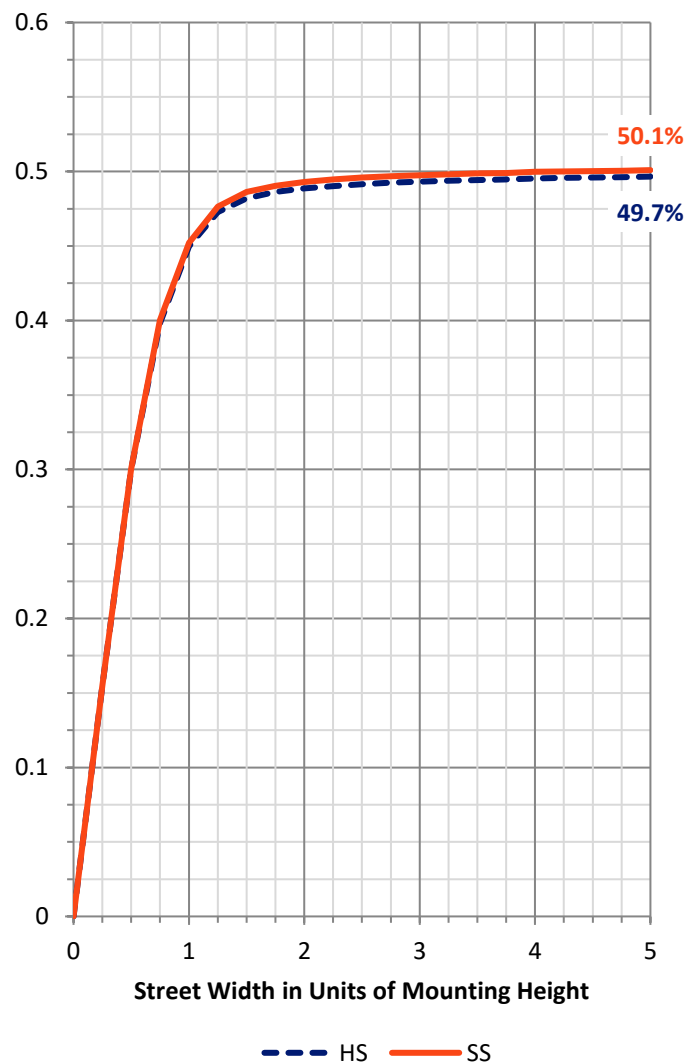
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2786.0	0.0	2786.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2786.0	0.0	2786.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	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**



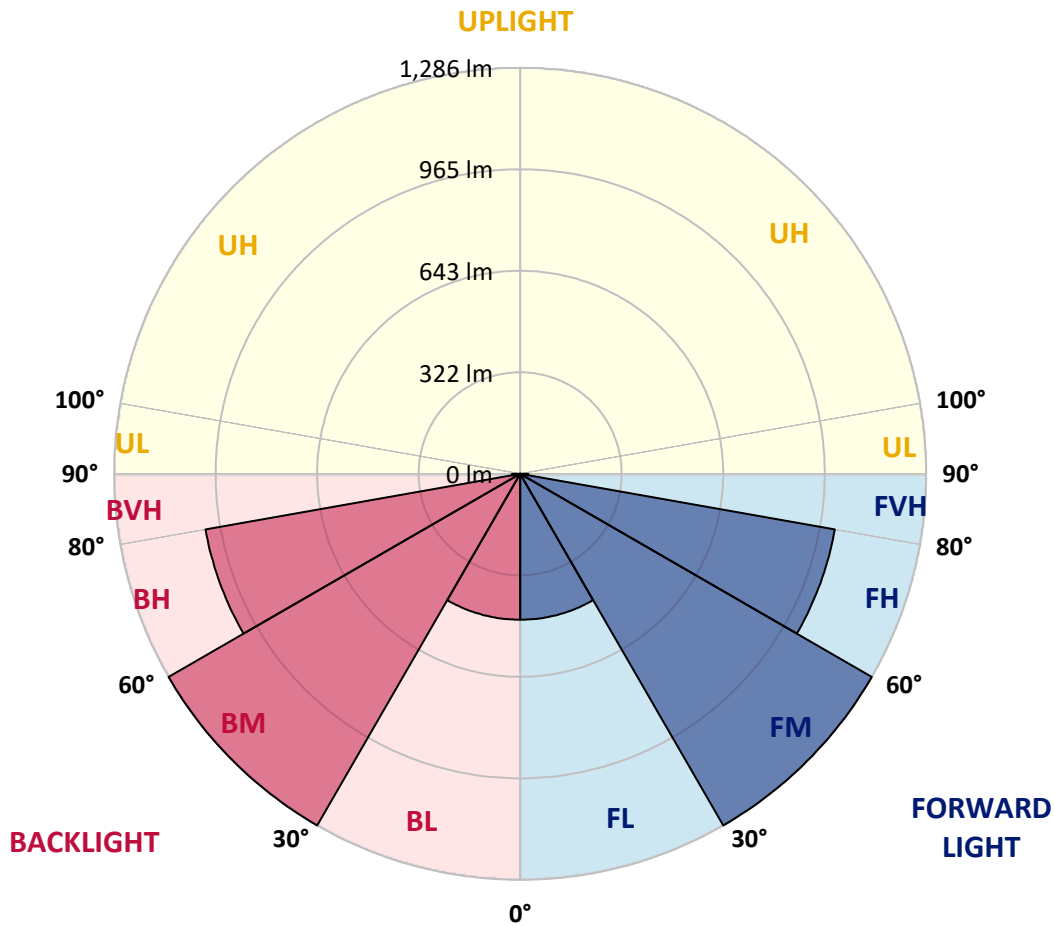
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

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°
0°	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
5°	1047.4	1048.9	1049.5	1049.2	1051.8	1050.4	1050.4	1049.2	1049.5	1048.6
7.5°	1057.5	1059.5	1060.7	1062.2	1066.1	1064.3	1063.1	1059.5	1058.1	1055.7
10°	1060.7	1063.1	1067.0	1074.6	1083.5	1083.8	1080.3	1071.4	1064.6	1059.3
12.5°	1050.7	1053.9	1061.9	1077.6	1097.5	1105.4	1099.8	1085.0	1071.7	1062.2
15°	1037.9	1041.5	1053.6	1077.3	1106.6	1125.3	1124.7	1105.2	1083.8	1069.0
17.5°	1018.1	1021.6	1039.1	1072.3	1113.7	1144.5	1152.8	1132.7	1102.8	1082.9
20°	982.3	985.5	1009.8	1056.3	1116.1	1165.0	1186.6	1168.8	1131.5	1104.6
22.5°	935.8	940.8	969.2	1028.7	1110.5	1186.3	1225.1	1212.9	1165.0	1127.7
25°	886.0	891.3	924.5	995.0	1096.0	1201.7	1270.7	1263.0	1202.9	1156.4
27.5°	843.1	848.7	884.8	961.5	1073.5	1207.6	1315.7	1319.5	1248.8	1188.1
30°	809.3	814.6	853.1	934.6	1044.4	1201.7	1355.1	1381.7	1295.6	1215.6
32.5°	772.3	779.1	819.7	901.7	1010.1	1187.5	1389.4	1449.0	1349.8	1245.2
35°	725.5	731.7	774.4	856.7	965.1	1164.7	1418.2	1523.6	1427.3	1290.2
37.5°	668.7	674.6	716.9	800.4	920.4	1132.7	1440.1	1607.7	1519.7	1355.1
40°	611.5	617.1	656.8	737.7	866.8	1091.8	1447.8	1690.0	1625.7	1444.2
42.5°	559.1	564.1	600.5	675.8	806.7	1039.7	1437.7	1761.7	1720.8	1506.4
45°	510.8	515.3	547.5	617.7	744.2	976.3	1407.5	1838.7	1833.9	1550.8
47.5°	455.7	460.2	493.6	561.5	681.7	902.0	1356.3	1914.5	1991.2	1651.5
50°	388.5	392.4	426.7	496.6	616.8	822.9	1285.2	1974.0	2189.6	1804.0
52.5°	308.9	313.0	346.5	416.4	539.8	738.0	1191.6	2012.8	2418.8	2026.7
55°	229.8	232.8	261.8	324.6	444.5	641.1	1074.4	2023.7	2678.8	2331.1
57.5°	166.7	168.5	187.2	233.9	337.0	520.0	931.9	1995.3	2988.2	2721.4
60°	135.0	135.6	141.3	162.0	234.2	383.2	759.9	1897.6	3324.0	3224.5
62.5°	122.6	122.6	124.1	129.7	158.4	252.9	551.7	1695.0	3684.1	3860.3
65°	114.0	114.0	114.6	117.3	125.0	161.1	348.2	1365.2	3987.7	4605.1
67.5°	106.3	106.6	106.3	107.2	111.6	119.0	202.0	942.9	4151.1	5376.8
70°	98.3	98.9	97.4	97.4	101.0	101.3	126.4	517.0	4015.5	6023.5
72.5°	88.8	89.7	87.4	86.8	89.4	88.2	95.1	248.2	3447.5	6216.6
75°	80.5	81.7	76.4	74.9	74.9	74.0	77.3	127.3	2237.5	5071.2
77.5°	73.1	75.5	66.9	62.2	61.0	58.3	63.1	77.9	978.7	2380.9
80°	60.4	63.7	55.1	49.5	47.4	44.4	49.7	54.5	291.1	552.9
82.5°	45.0	46.5	39.1	35.2	33.5	31.4	37.3	37.9	94.8	195.7
85°	28.7	29.3	24.0	20.7	19.8	19.0	23.7	20.7	36.1	143.9
87.5°	10.1	11.5	9.2	8.3	8.9	7.4	11.0	6.2	10.1	101.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1041.2  
1041.8  
1048.6  
1055.7  
1058.4  
1060.7  
1066.7  
1079.7  
1099.5  
1120.8  
1146.9  
1178.0  
1201.1  
1226.9  
1269.8  
1327.8  
1415.2  
1469.1  
1500.5  
1593.5  
1731.2  
1937.0  
2218.9  
2580.2  
3046.6  
3621.9  
4303.6  
5051.4  
5938.0  
6441.7  
5424.2  
2331.4  
529.5  
221.2  
209.1  
125.9  
0.0

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