

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: P938973

Luminaire Tested: **GALN-SB1B-835-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938973
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-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5169 lumens
Efficiency: N/A
Efficacy: 129.9 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

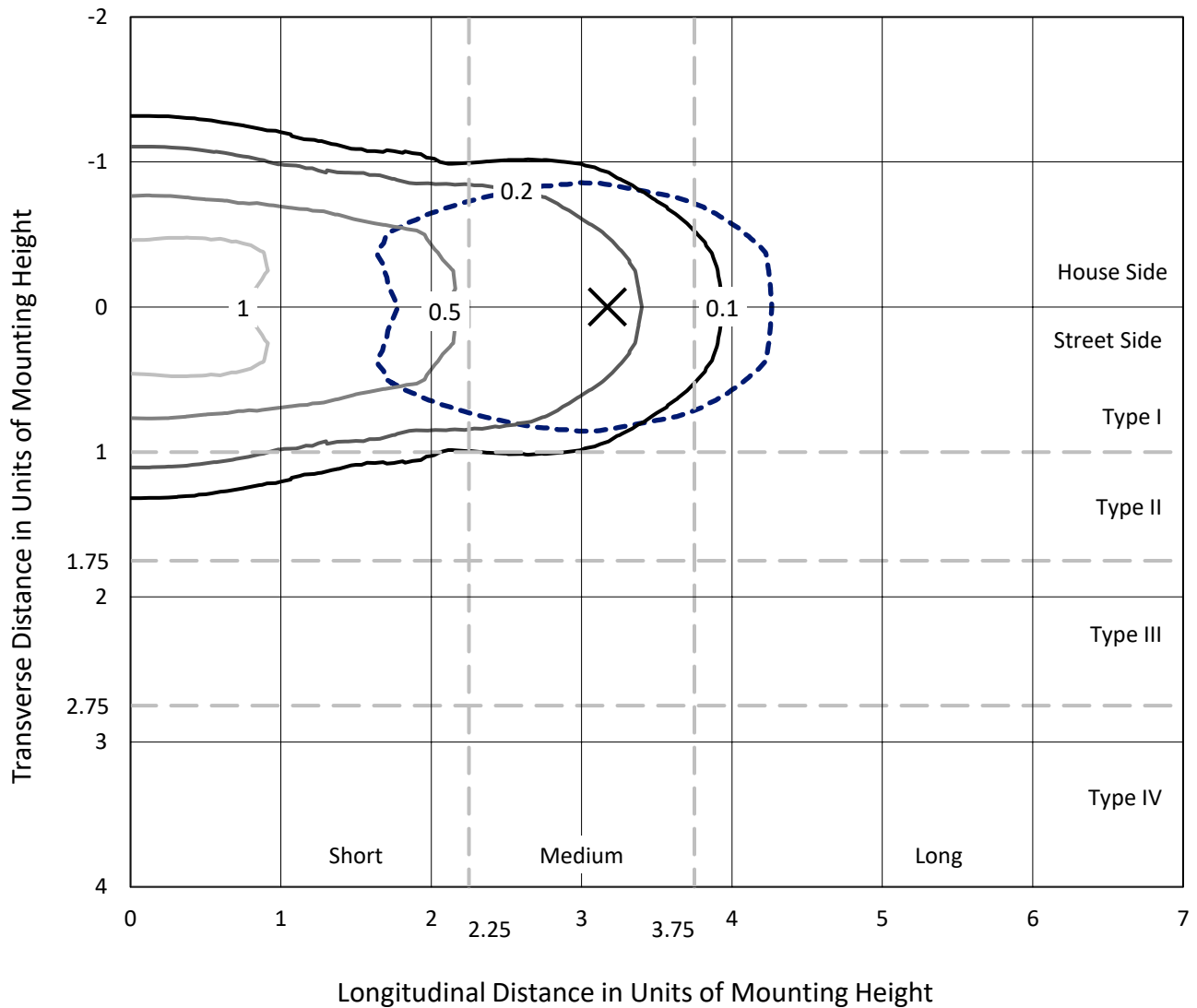
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

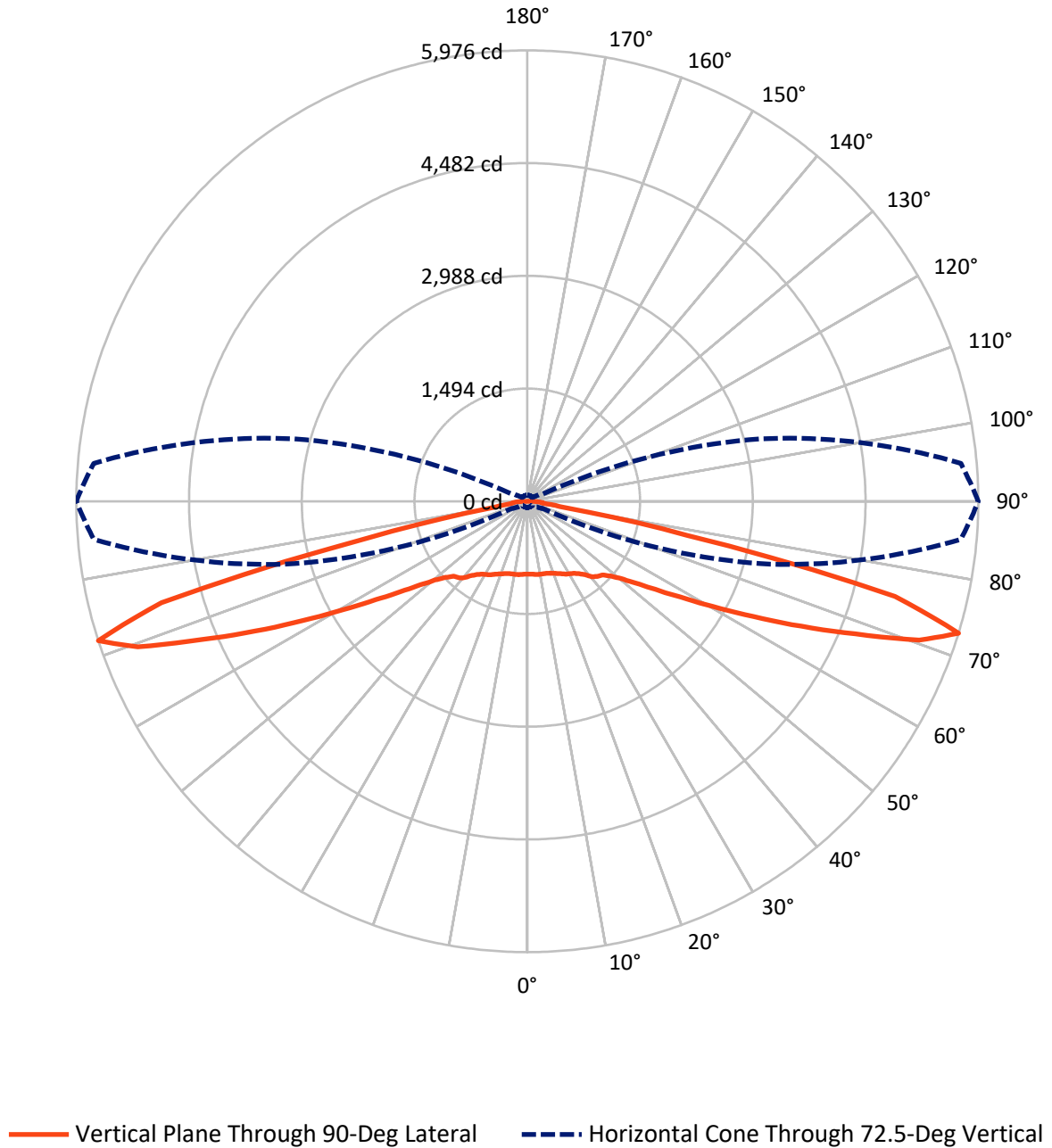
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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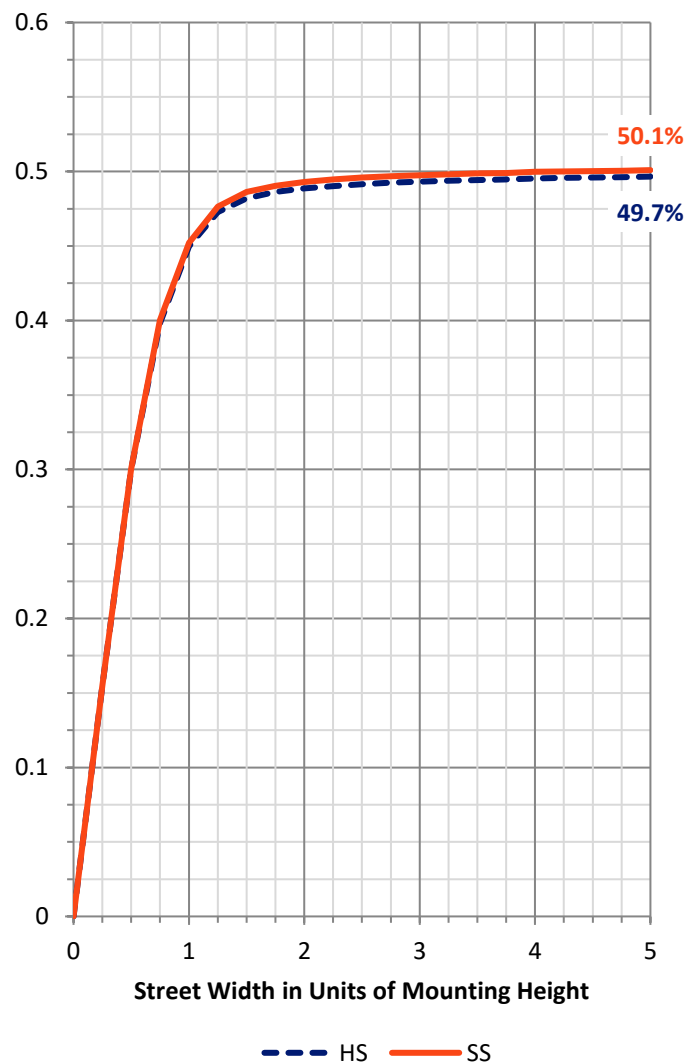
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2584.5	0.0	2584.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2584.5	0.0	2584.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5169.0	0.0	5169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.8
10°-20°	286.4	5.5
20°-30°	477.5	9.2
30°-40°	656.7	12.7
40°-50°	802.0	15.5
50°-60°	927.6	17.9
60°-70°	1106.0	21.4
70°-80°	771.9	14.9
80°-90°	47.4	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°	5169.0	100.0
0°-180°	5169.0	100.0

Coefficient of Utilization



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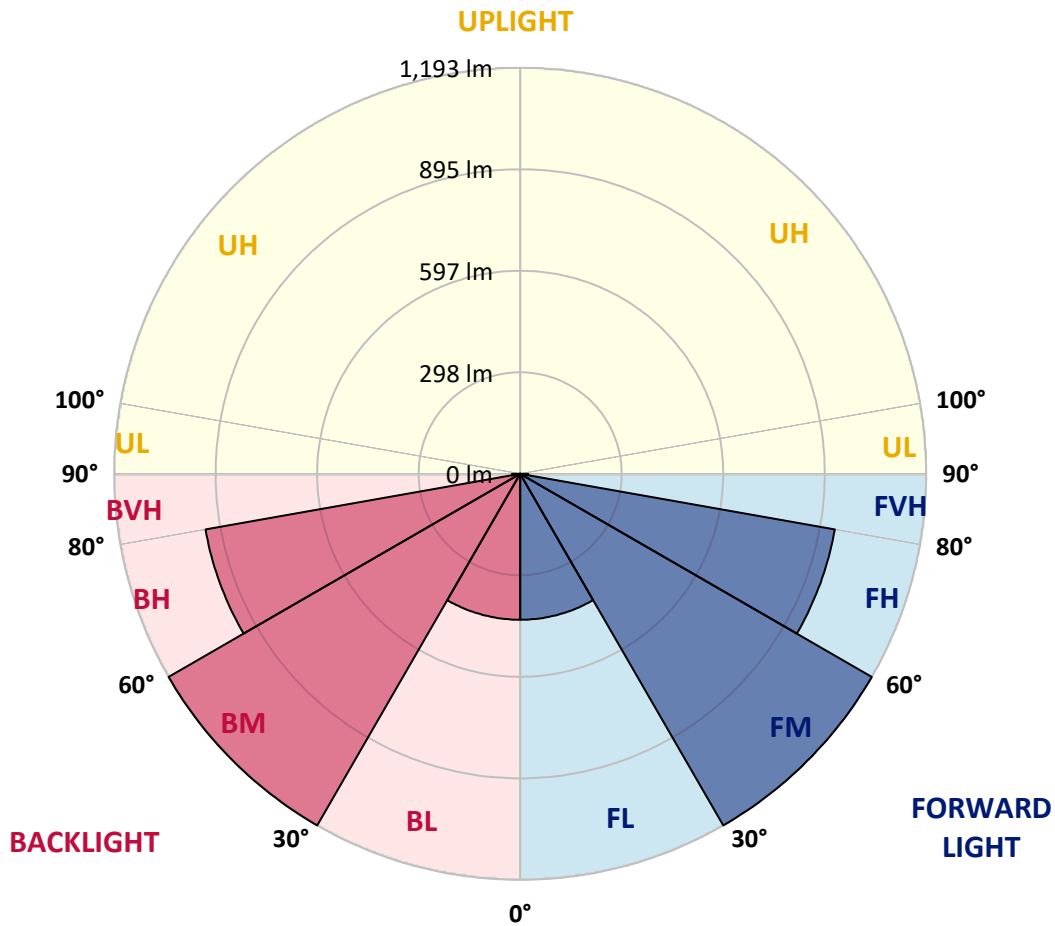
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.7	8.3			
FM (30°-60°)	1193.1	23.1			
FH (60°-80°)	938.9	18.2			G1/1800
FVH (80°-90°)	23.7	0.5			G1/100
BL (0°-30°)	428.7	8.3	B1/500		
BM (30°-60°)	1193.1	23.1	B2/2500		
BH (60°-80°)	938.9	18.2	B2/1000		G2/1000
BVH (80°-90°)	23.7	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°	965.9	965.9	965.9	965.9	965.9	965.9	965.9	965.9	965.9	965.9
2.5°	966.7	967.8	967.8	967.0	968.9	967.3	967.3	966.4	967.3	966.4
5°	971.7	973.0	973.6	973.3	975.8	974.4	974.4	973.3	973.6	972.7
7.5°	981.0	982.9	984.0	985.4	989.0	987.3	986.2	982.9	981.5	979.3
10°	984.0	986.2	989.8	996.9	1005.2	1005.4	1002.1	993.9	987.6	982.6
12.5°	974.7	977.7	985.1	999.7	1018.1	1025.5	1020.3	1006.5	994.2	985.4
15°	962.9	966.2	977.4	999.4	1026.6	1043.9	1043.4	1025.2	1005.4	991.7
17.5°	944.5	947.8	964.0	994.7	1033.2	1061.8	1069.4	1050.8	1023.0	1004.6
20°	911.2	914.2	936.8	979.9	1035.4	1080.7	1100.8	1084.3	1049.7	1024.7
22.5°	868.1	872.8	899.1	954.3	1030.2	1100.5	1136.5	1125.2	1080.7	1046.1
25°	821.9	826.9	857.6	923.0	1016.7	1114.8	1178.8	1171.6	1115.9	1072.7
27.5°	782.1	787.3	820.8	892.0	995.8	1120.3	1220.5	1224.1	1158.5	1102.1
30°	750.8	755.7	791.4	867.0	968.9	1114.8	1257.1	1281.8	1201.9	1127.7
32.5°	716.4	722.8	760.4	836.5	937.0	1101.6	1288.9	1344.2	1252.1	1155.2
35°	673.0	678.8	718.4	794.7	895.3	1080.4	1315.6	1413.4	1324.1	1196.9
37.5°	620.3	625.8	665.1	742.5	853.8	1050.8	1335.9	1491.4	1409.8	1257.1
40°	567.3	572.5	609.3	684.3	804.1	1012.9	1343.1	1567.8	1508.2	1339.8
42.5°	518.7	523.3	557.1	626.9	748.3	964.5	1333.7	1634.3	1596.3	1397.5
45°	473.9	478.0	507.9	573.0	690.3	905.7	1305.7	1705.7	1701.3	1438.7
47.5°	422.8	426.9	457.9	520.9	632.4	836.8	1258.2	1776.0	1847.2	1532.1
50°	360.4	364.0	395.9	460.7	572.2	763.4	1192.2	1831.2	2031.2	1673.5
52.5°	286.5	290.4	321.4	386.2	500.8	684.6	1105.4	1867.2	2243.8	1880.1
55°	213.2	215.9	242.8	301.1	412.3	594.7	996.6	1877.4	2485.0	2162.5
57.5°	154.7	156.3	173.6	217.0	312.6	482.4	864.5	1851.0	2772.1	2524.6
60°	125.3	125.8	131.0	150.3	217.3	355.5	704.9	1760.3	3083.6	2991.3
62.5°	113.7	113.7	115.1	120.3	147.0	234.6	511.8	1572.4	3417.7	3581.1
65°	105.8	105.8	106.3	108.8	115.9	149.4	323.1	1266.4	3699.3	4272.0
67.5°	98.6	98.9	98.6	99.4	103.6	110.4	187.4	874.7	3850.9	4987.9
70°	91.2	91.8	90.4	90.4	93.7	94.0	117.3	479.6	3725.1	5587.9
72.5°	82.4	83.2	81.0	80.5	83.0	81.9	88.2	230.2	3198.2	5767.0
75°	74.7	75.8	70.9	69.5	69.5	68.7	71.7	118.1	2075.7	4704.4
77.5°	67.9	70.1	62.1	57.7	56.6	54.1	58.5	72.2	907.9	2208.7
80°	56.0	59.1	51.1	45.9	44.0	41.2	46.2	50.5	270.0	512.9
82.5°	41.8	43.1	36.3	32.7	31.0	29.1	34.6	35.2	87.9	181.6
85°	26.6	27.2	22.3	19.2	18.4	17.6	22.0	19.2	33.5	133.5
87.5°	9.3	10.7	8.5	7.7	8.2	6.9	10.2	5.8	9.3	94.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

965.9
966.4
972.7
979.3
981.8
984.0
989.5
1001.6
1020.0
1039.8
1064.0
1092.8
1114.2
1138.1
1178.0
1231.8
1312.8
1362.8
1392.0
1478.2
1606.0
1796.9
2058.4
2393.6
2826.2
3360.0
3992.4
4686.0
5508.5
5975.8
5031.9
2162.8
491.2
205.2
193.9
116.8
0.0

OF REPORT)