

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: P938883

Luminaire Tested: **GALN-SB1B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938883
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-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4603 lumens
Efficiency: N/A
Efficacy: 115.7 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

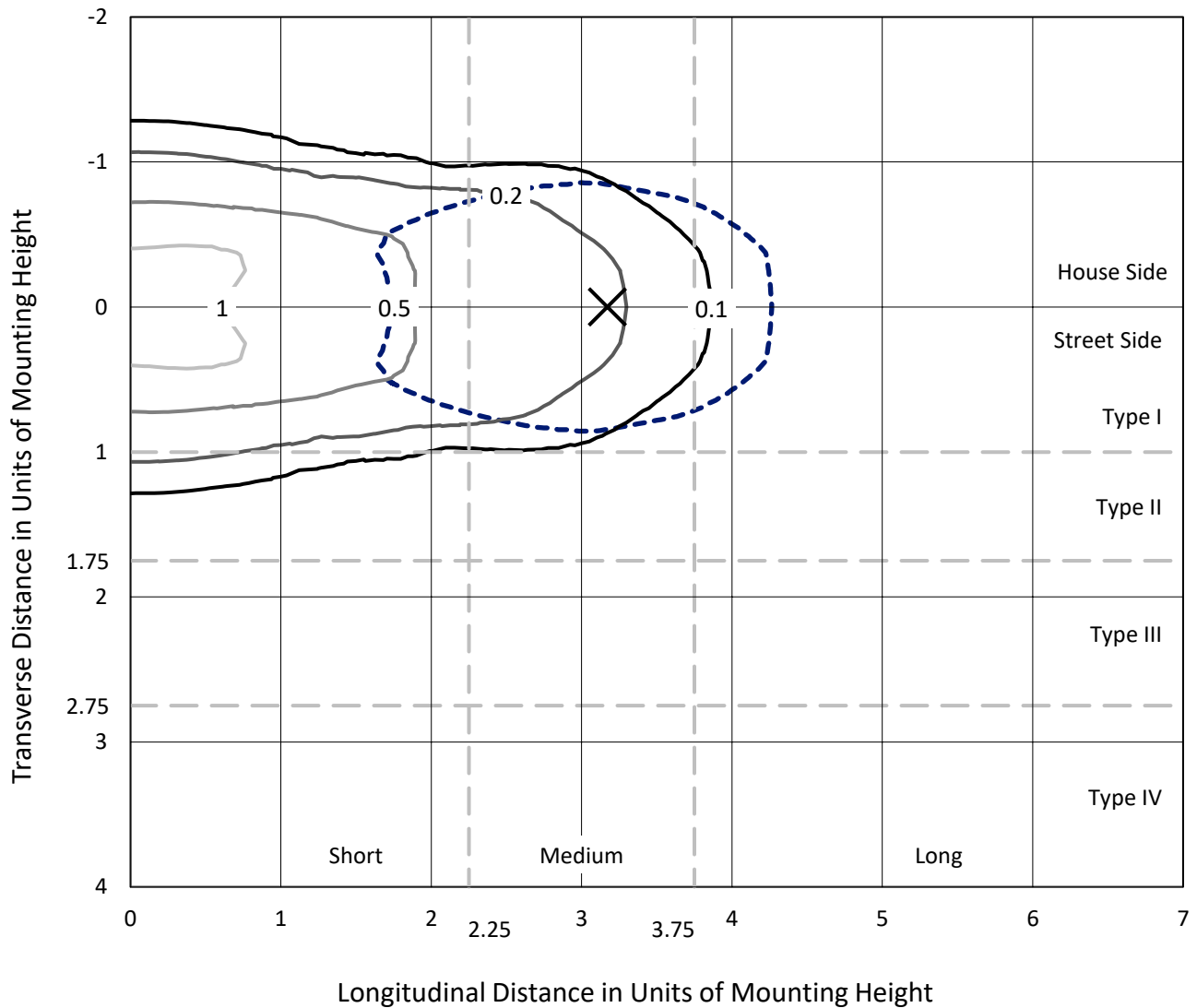
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

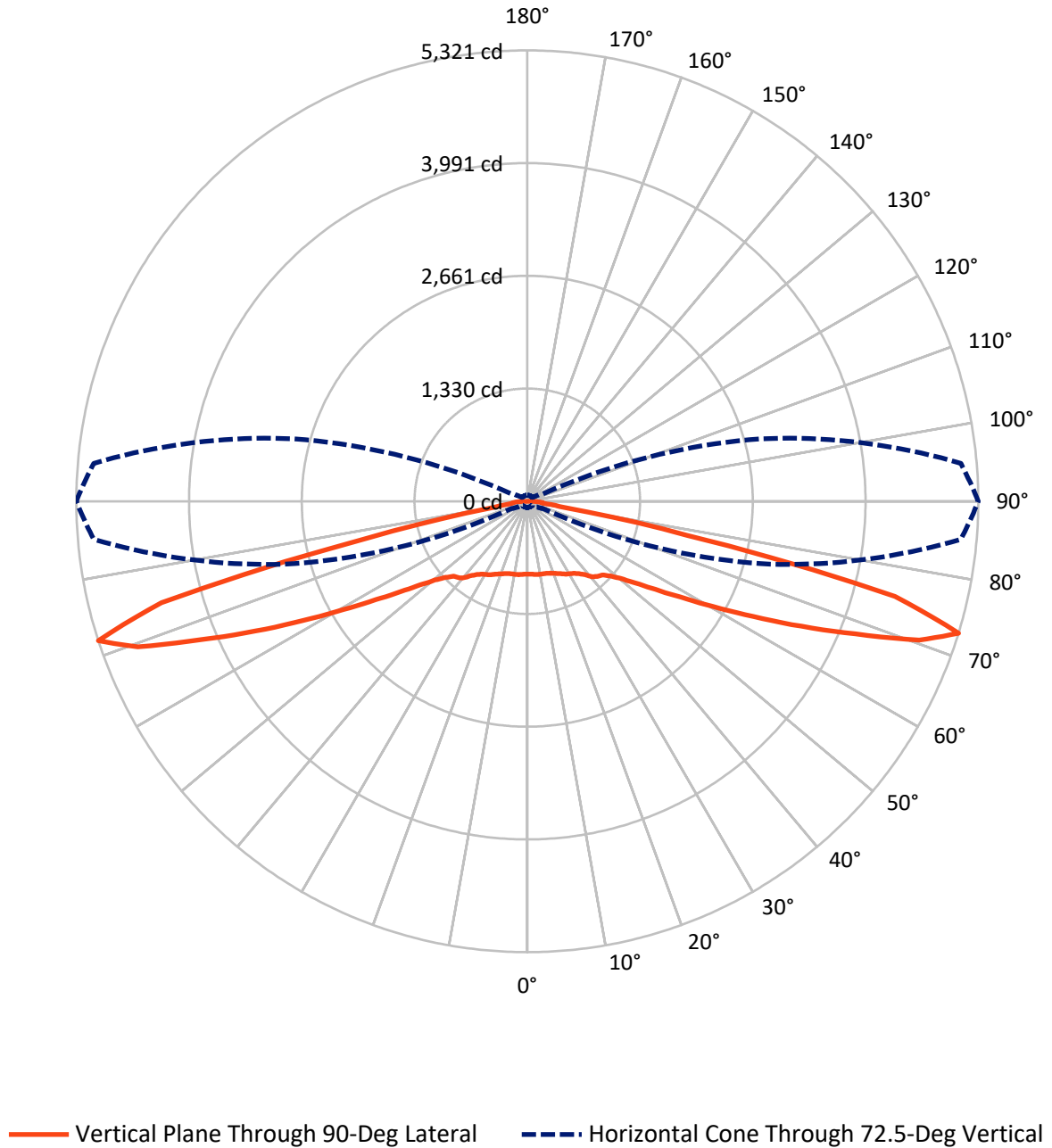
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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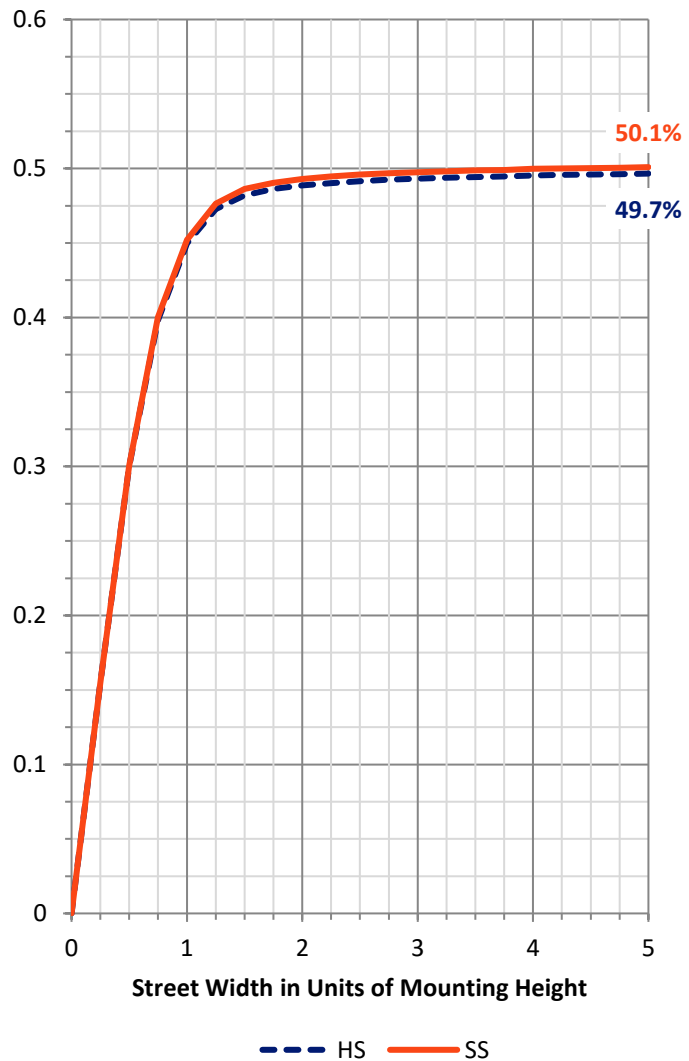
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2301.5	0.0	2301.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2301.5	0.0	2301.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4603.0	0.0	4603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	1.8
10°-20°	255.0	5.5
20°-30°	425.2	9.2
30°-40°	584.8	12.7
40°-50°	714.2	15.5
50°-60°	826.0	17.9
60°-70°	984.9	21.4
70°-80°	687.4	14.9
80°-90°	42.2	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°	4603.0	100.0
0°-180°	4603.0	100.0

Coefficient of Utilization



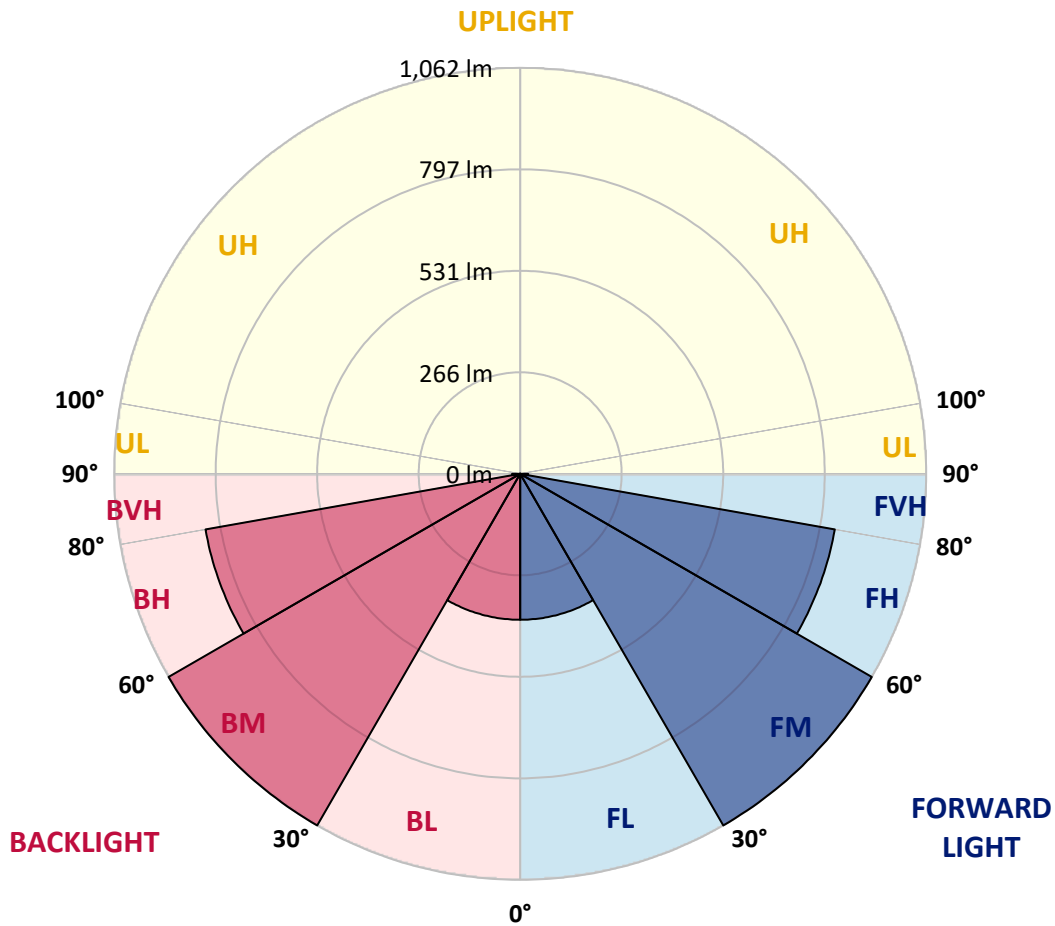
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.8	8.3			
FM (30°-60°)	1062.5	23.1			
FH (60°-80°)	836.1	18.2			G1/1800
FVH (80°-90°)	21.1	0.5			G1/100
BL (0°-30°)	381.8	8.3	B1/500		
BM (30°-60°)	1062.5	23.1	B2/2500		
BH (60°-80°)	836.1	18.2	B2/1000		G2/1000
BVH (80°-90°)	21.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1
2.5°	860.9	861.8	861.8	861.1	862.8	861.3	861.3	860.6	861.3	860.6	860.6
5°	865.3	866.5	867.0	866.7	868.9	867.7	867.7	866.7	867.0	866.2	866.2
7.5°	873.6	875.3	876.3	877.5	880.7	879.2	878.2	875.3	874.1	872.1	872.1
10°	876.3	878.2	881.4	887.8	895.1	895.3	892.4	885.1	879.4	875.0	874.3
12.5°	867.9	870.6	877.2	890.2	906.6	913.2	908.6	896.3	885.3	877.5	876.3
15°	857.4	860.4	870.4	890.0	914.2	929.6	929.1	913.0	895.3	883.1	881.2
17.5°	841.0	844.0	858.4	885.8	920.1	945.5	952.3	935.7	911.0	894.6	891.9
20°	811.4	814.1	834.2	872.6	922.0	962.4	980.2	965.6	934.7	912.5	908.3
22.5°	773.0	777.2	800.7	849.8	917.4	980.0	1012.0	1002.0	962.4	931.6	925.9
25°	731.9	736.3	763.7	822.0	905.4	992.7	1049.7	1043.3	993.7	955.3	947.5
27.5°	696.5	701.1	731.0	794.3	886.8	997.6	1086.9	1090.1	1031.6	981.5	973.1
30°	668.6	673.0	704.8	772.1	862.8	992.7	1119.4	1141.4	1070.3	1004.2	992.2
32.5°	638.0	643.6	677.1	744.9	834.4	981.0	1147.8	1197.0	1115.0	1028.7	1013.5
35°	599.3	604.5	639.7	707.7	797.2	962.1	1171.5	1258.6	1179.1	1065.9	1049.0
37.5°	552.4	557.3	592.2	661.2	760.3	935.7	1189.6	1328.1	1255.4	1119.4	1096.9
40°	505.2	509.8	542.6	609.4	716.0	902.0	1196.0	1396.1	1343.0	1193.1	1169.1
42.5°	461.9	466.0	496.1	558.2	666.4	858.9	1187.7	1455.3	1421.5	1244.4	1213.6
45°	422.0	425.7	452.3	510.3	614.8	806.5	1162.7	1518.9	1515.0	1281.1	1239.5
47.5°	376.5	380.2	407.8	463.8	563.1	745.1	1120.4	1581.5	1644.9	1364.3	1316.4
50°	321.0	324.1	352.5	410.2	509.6	679.8	1061.7	1630.7	1808.8	1490.3	1430.1
52.5°	255.1	258.6	286.2	343.9	446.0	609.6	984.4	1662.8	1998.1	1674.2	1600.1
55°	189.8	192.3	216.3	268.1	367.2	529.6	887.5	1671.8	2212.9	1925.7	1833.0
57.5°	137.7	139.2	154.6	193.3	278.4	429.6	769.9	1648.3	2468.6	2248.1	2131.5
60°	111.6	112.0	116.7	133.8	193.5	316.6	627.7	1567.6	2746.0	2663.8	2516.8
62.5°	101.3	101.3	102.5	107.1	130.9	208.9	455.7	1400.3	3043.4	3189.0	2992.1
65°	94.2	94.2	94.7	96.9	103.2	133.1	287.7	1127.7	3294.2	3804.2	3555.2
67.5°	87.8	88.1	87.8	88.6	92.2	98.3	166.8	778.9	3429.2	4441.7	4172.9
70°	81.2	81.7	80.5	80.5	83.4	83.7	104.5	427.1	3317.2	4976.0	4905.3
72.5°	73.4	74.1	72.2	71.7	73.9	72.9	78.5	205.0	2848.0	5135.5	5321.4
75°	66.5	67.5	63.1	61.9	61.9	61.2	63.8	105.2	1848.4	4189.3	4480.9
77.5°	60.4	62.4	55.3	51.4	50.4	48.2	52.1	64.3	808.5	1966.8	1926.0
80°	49.9	52.6	45.5	40.9	39.1	36.7	41.1	45.0	240.5	456.7	437.4
82.5°	37.2	38.4	32.3	29.1	27.6	25.9	30.8	31.3	78.3	161.7	182.7
85°	23.7	24.2	19.8	17.1	16.4	15.7	19.6	17.1	29.8	118.9	172.7
87.5°	8.3	9.5	7.6	6.8	7.3	6.1	9.1	5.1	8.3	83.9	104.0
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)