

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: P944830

Luminaire Tested: **GALN-SB1A-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3882 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 30.9
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



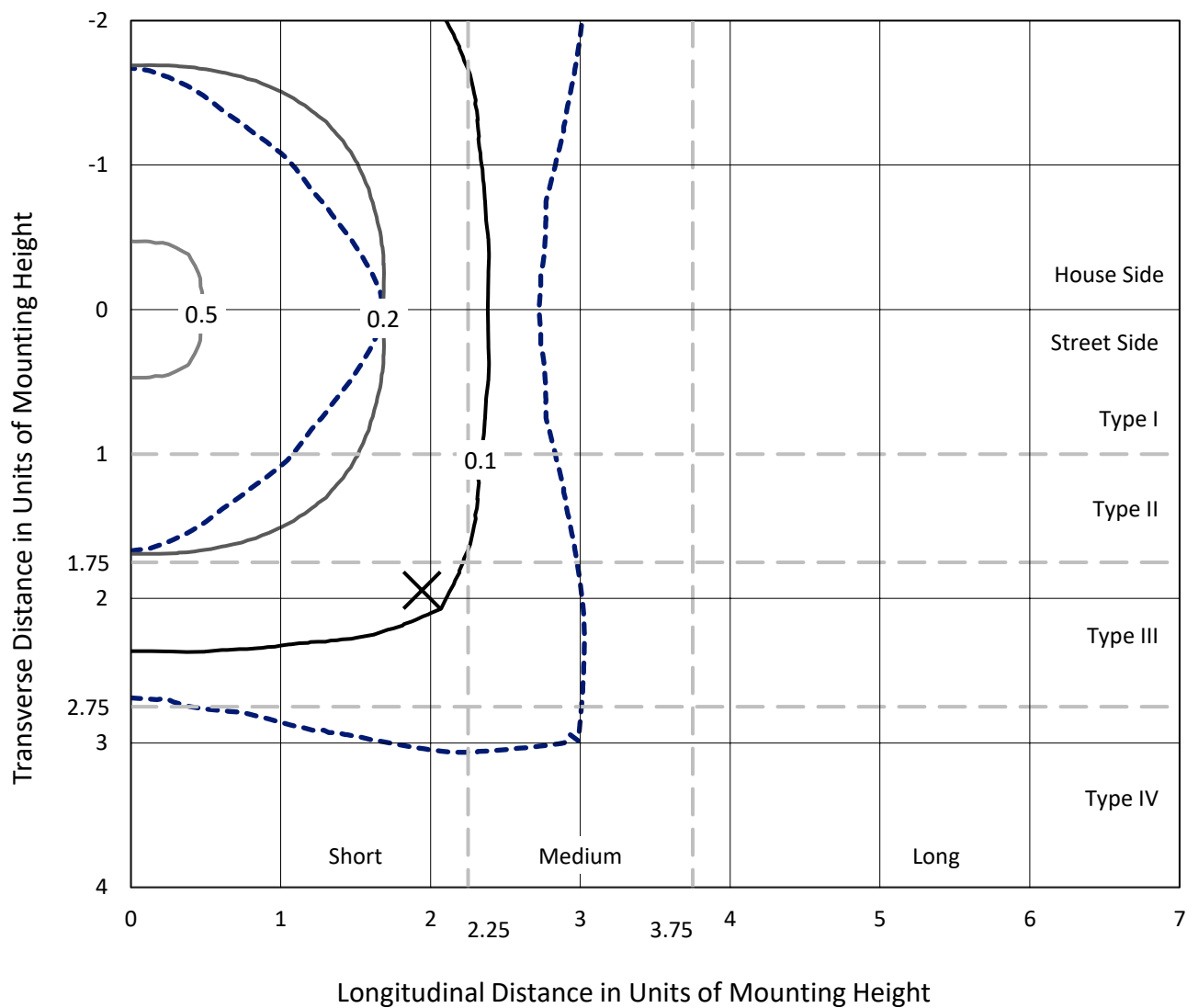
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

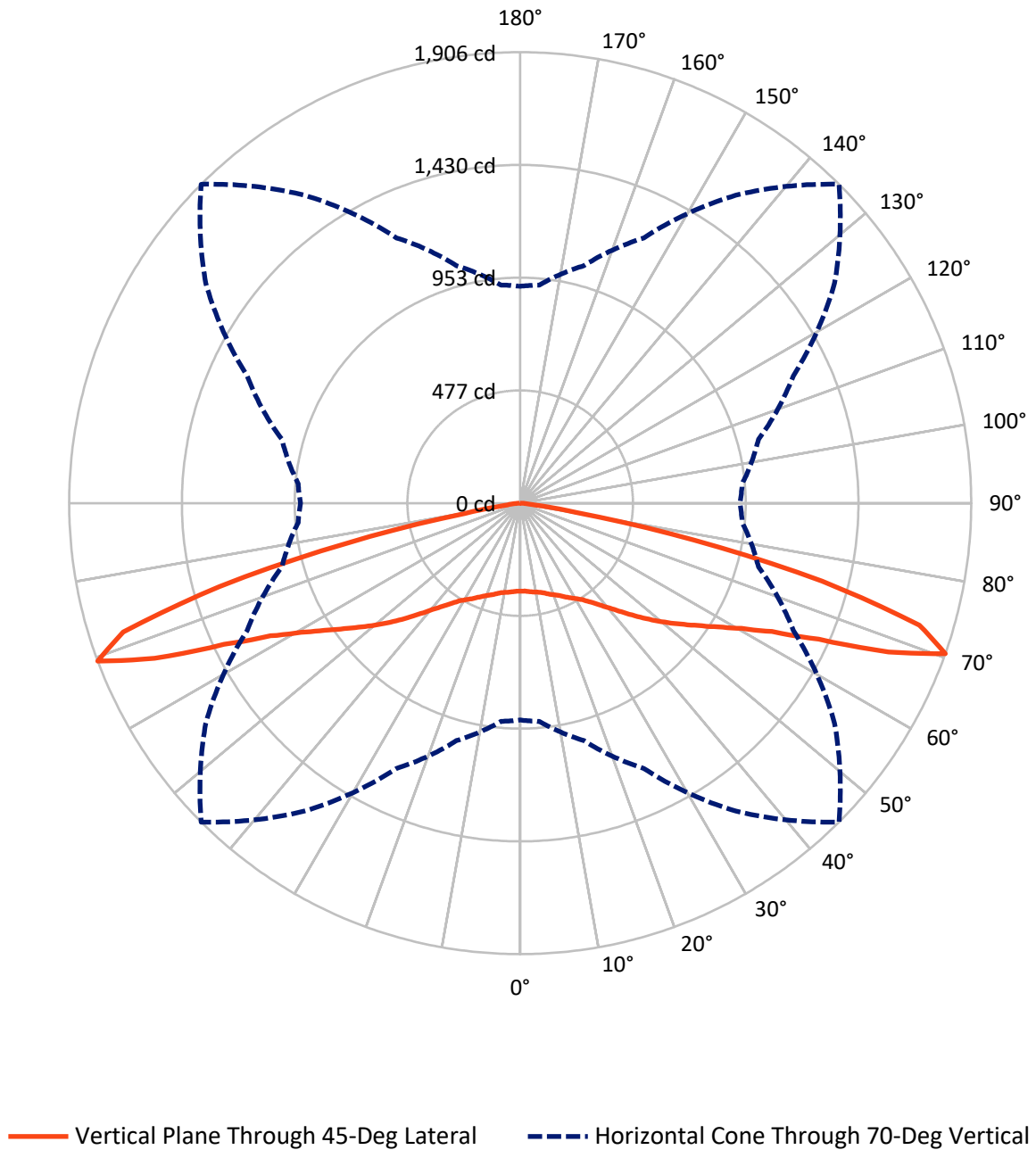


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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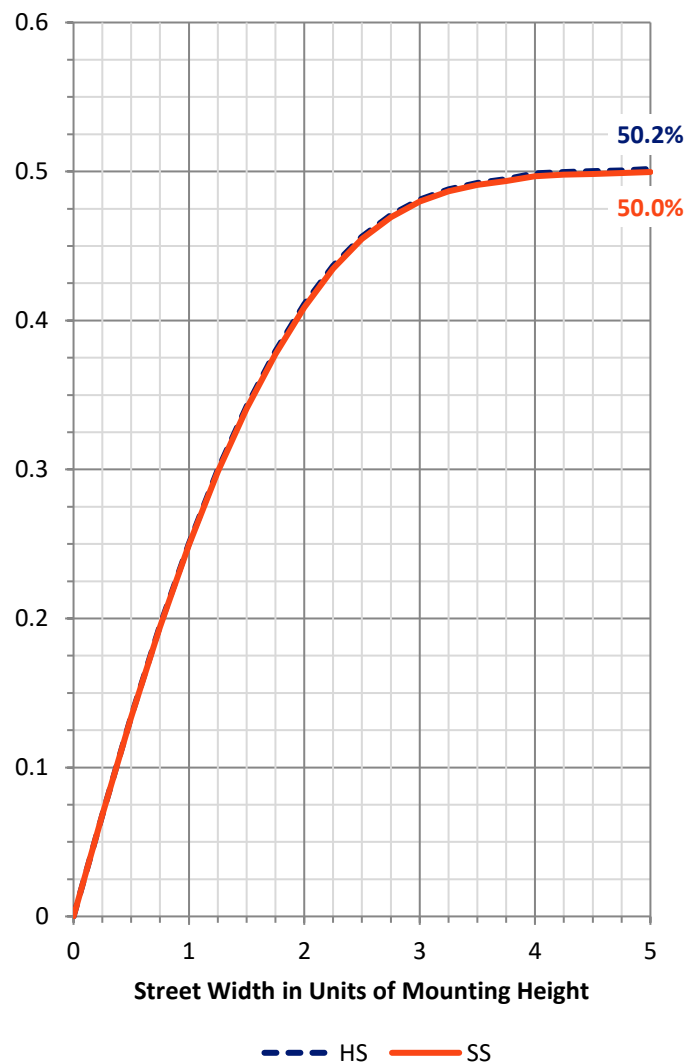
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1941.0	0.0	1941.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1941.0	0.0	1941.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3882.0	0.0	3882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	0.9
10°-20°	112.0	2.9
20°-30°	200.2	5.2
30°-40°	324.5	8.4
40°-50°	528.6	13.6
50°-60°	805.9	20.8
60°-70°	1198.9	30.9
70°-80°	653.5	16.8
80°-90°	22.3	0.6
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°	3882.0	100.0
0°-180°	3882.0	100.0

Coefficient of Utilization



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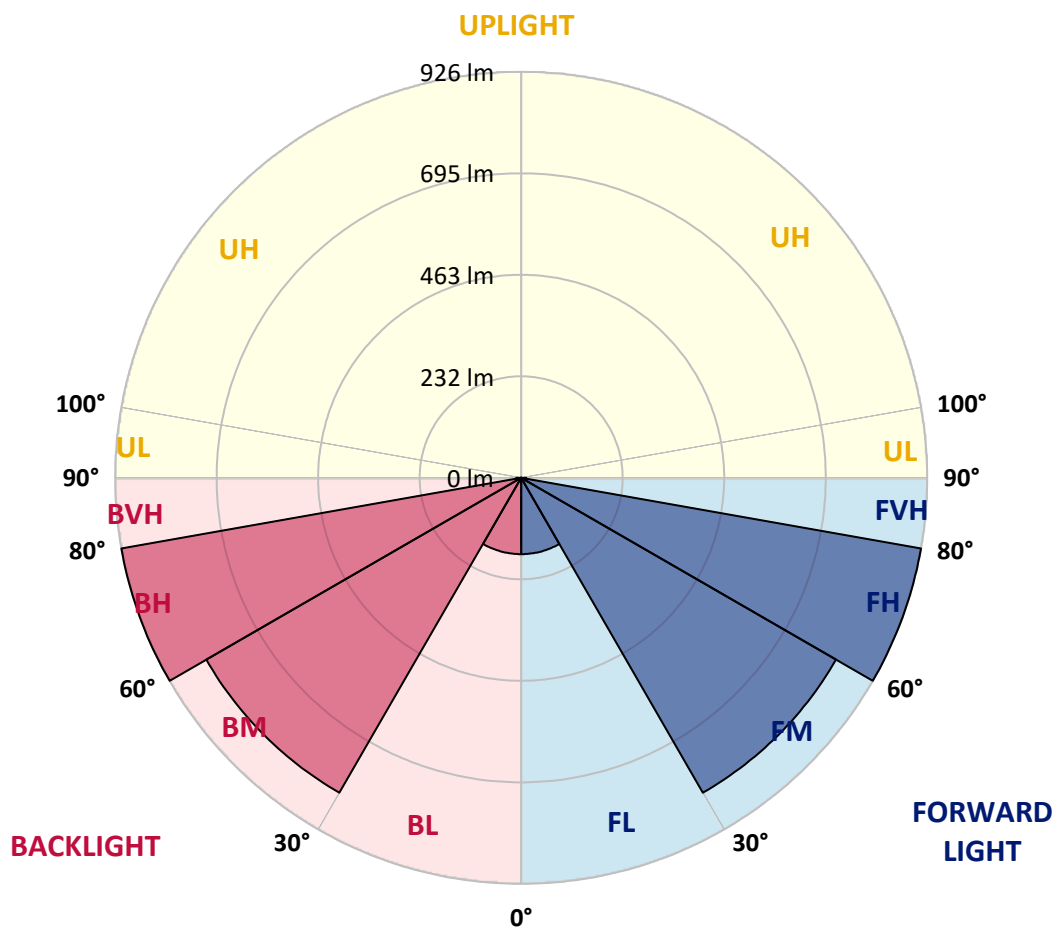
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.2	4.5			
FM	(30°-60°)	829.5	21.4			
FH	(60°-80°)	926.2	23.9			G1/1800
FVH	(80°-90°)	11.1	0.3			G1/100
BL	(0°-30°)	174.2	4.5	B1/500		
BM	(30°-60°)	829.5	21.4	B1/1000		
BH	(60°-80°)	926.2	23.9	B2/1000		G1/1800
BVH	(80°-90°)	11.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9
2.5°	373.6	374.0	373.2	372.8	372.4	371.9	372.1	373.0	373.8	373.6	373.8
5°	376.7	377.1	376.5	376.3	375.6	375.4	375.4	376.3	376.9	376.5	376.7
7.5°	380.2	380.8	379.8	379.7	379.3	378.9	378.7	379.7	380.2	380.2	380.2
10°	383.5	384.1	383.4	382.8	382.4	382.4	382.0	382.8	383.7	383.5	383.5
12.5°	387.1	387.4	386.7	386.3	386.3	386.9	386.3	386.7	387.4	387.1	386.9
15°	391.3	391.5	391.3	391.9	392.9	394.9	393.1	392.7	393.1	392.1	392.1
17.5°	397.2	397.6	398.4	399.7	401.1	404.6	401.5	400.5	400.5	398.6	398.6
20°	404.4	405.0	406.2	408.5	410.2	413.6	410.4	409.1	408.5	406.0	406.0
22.5°	412.0	413.0	414.7	417.9	421.0	424.1	421.0	418.6	416.9	413.6	413.4
25°	420.8	421.9	424.7	429.7	434.0	438.5	434.8	430.1	426.6	421.9	421.7
27.5°	433.2	434.6	437.9	444.2	449.6	453.5	450.0	444.0	439.1	433.4	433.2
30°	450.8	452.2	456.0	462.7	466.4	468.9	466.6	461.9	456.0	449.6	449.6
32.5°	473.4	475.1	479.4	485.7	486.5	486.8	486.1	483.7	479.4	471.6	471.8
35°	502.0	504.0	508.9	513.9	513.2	513.9	512.8	512.0	508.9	499.9	499.9
37.5°	537.1	539.5	544.5	548.4	546.5	545.5	545.7	545.9	544.1	534.2	534.2
40°	577.9	581.0	584.7	588.8	585.5	582.5	584.5	586.0	584.5	574.3	574.3
42.5°	619.8	624.2	628.1	634.0	631.3	627.6	630.3	632.0	628.7	617.8	618.6
45°	666.3	670.6	675.7	684.5	682.5	678.6	682.5	682.9	677.3	664.4	665.8
47.5°	714.5	719.0	726.6	738.3	737.5	733.2	738.3	735.5	728.3	712.9	711.9
50°	760.1	766.3	778.0	794.4	795.9	790.7	797.5	792.2	780.2	760.9	760.5
52.5°	803.0	809.6	828.1	850.3	856.0	849.1	858.3	849.1	831.0	806.3	803.9
55°	848.0	855.4	877.4	906.4	917.8	912.7	921.3	907.4	881.7	851.7	847.6
57.5°	901.0	905.5	931.8	966.3	985.4	986.5	990.4	967.1	935.9	901.8	897.1
60°	958.5	964.7	993.4	1034.7	1064.9	1074.6	1070.5	1035.9	999.6	960.4	954.2
62.5°	1032.2	1039.0	1073.3	1122.8	1170.5	1194.7	1178.7	1128.4	1083.6	1036.6	1028.4
65°	1093.2	1100.8	1162.7	1251.0	1337.9	1386.5	1346.3	1253.7	1173.1	1106.8	1095.9
67.5°	1048.9	1058.3	1155.5	1317.7	1533.8	1678.6	1541.2	1337.5	1179.5	1089.6	1076.2
70°	916.8	925.5	1039.0	1237.2	1589.0	1906.2	1622.1	1273.6	1042.7	942.1	928.7
72.5°	608.7	636.9	751.7	989.5	1418.8	1764.0	1432.9	969.4	697.3	607.3	587.6
75°	201.9	224.5	302.9	513.0	950.3	1319.2	904.7	453.9	239.9	172.7	163.3
77.5°	50.9	58.7	80.9	146.8	379.1	751.1	341.3	119.9	65.3	45.6	40.7
80°	24.8	27.3	39.0	48.9	94.9	238.7	89.1	46.0	30.8	23.8	21.8
82.5°	13.6	13.8	22.0	27.7	35.3	61.8	36.6	26.9	17.7	14.4	14.4
85°	8.4	8.2	11.7	14.8	14.8	22.0	17.5	14.8	10.1	9.0	9.4
87.5°	3.3	3.3	4.3	4.7	4.1	5.7	4.5	4.9	3.9	3.7	3.9
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)