

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: P938710

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
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-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3750 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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



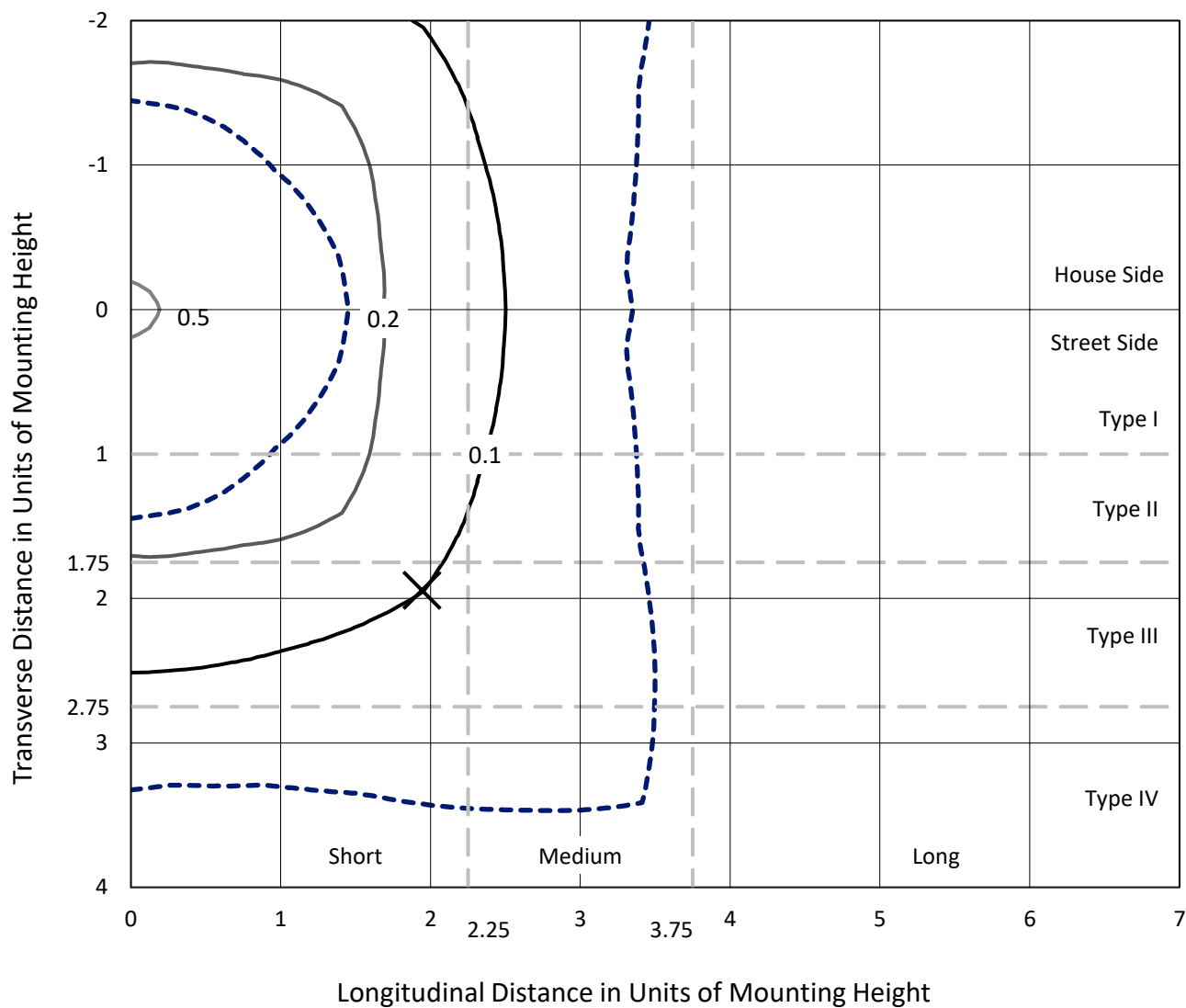
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

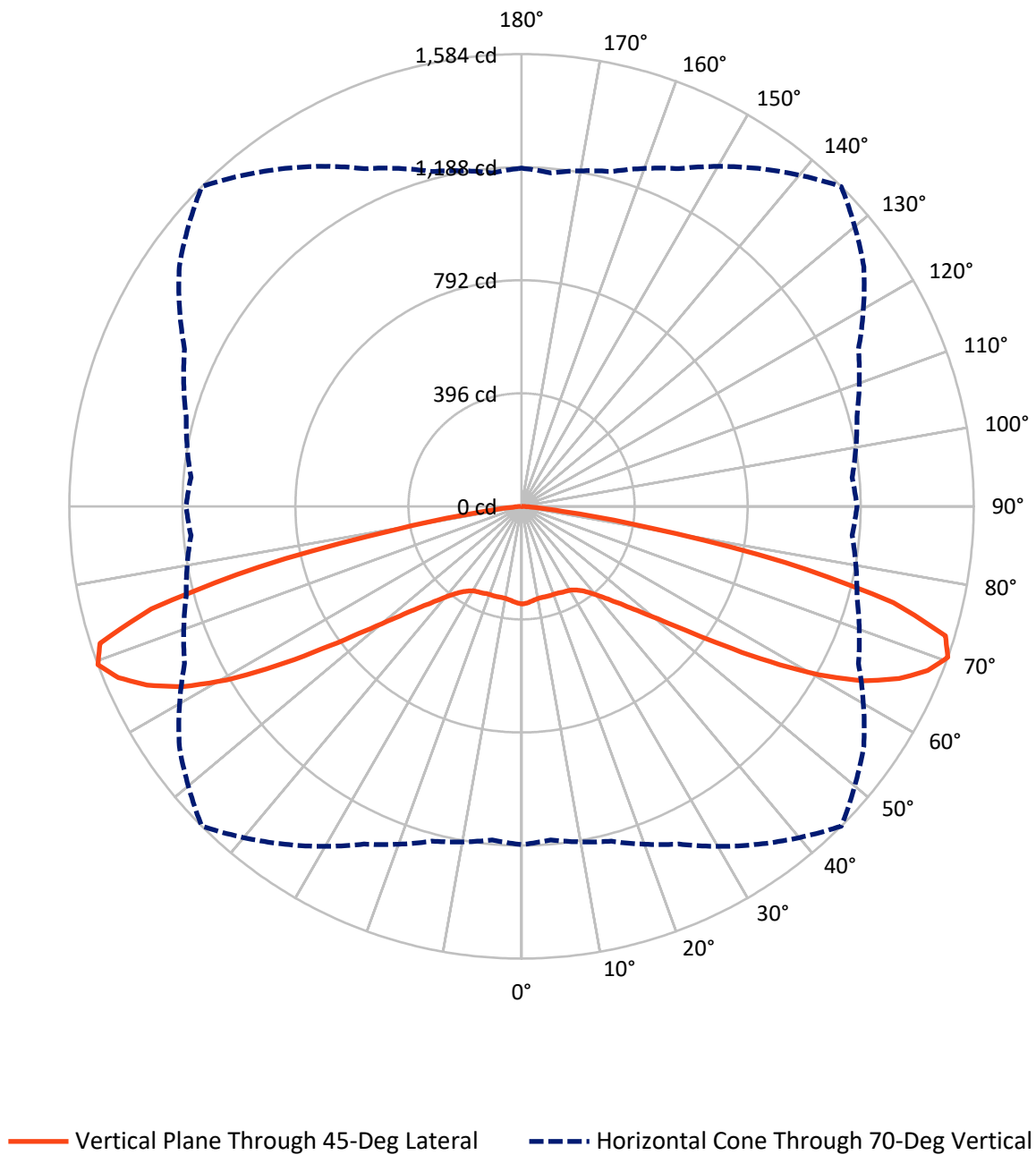


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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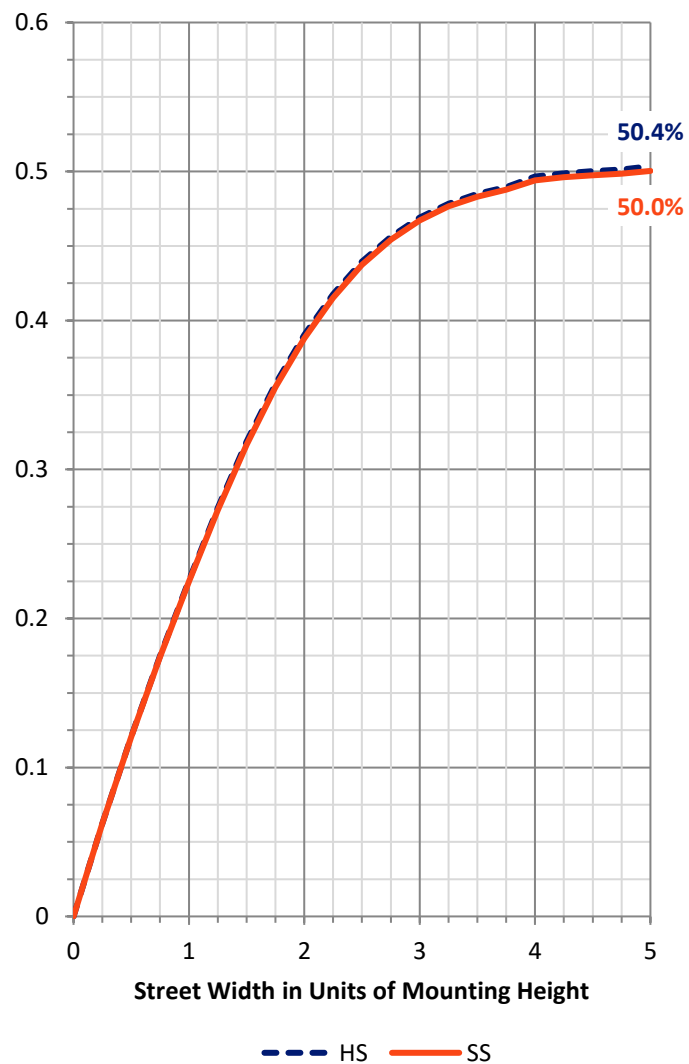
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1875.0	0.0	1875.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1875.0	0.0	1875.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3750.0	0.0	3750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	0.8
10°-20°	93.4	2.5
20°-30°	155.5	4.1
30°-40°	235.1	6.3
40°-50°	390.8	10.4
50°-60°	737.3	19.7
60°-70°	1245.0	33.2
70°-80°	818.1	21.8
80°-90°	42.9	1.1
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°	3750.0	100.0
0°-180°	3750.0	100.0

Coefficient of Utilization



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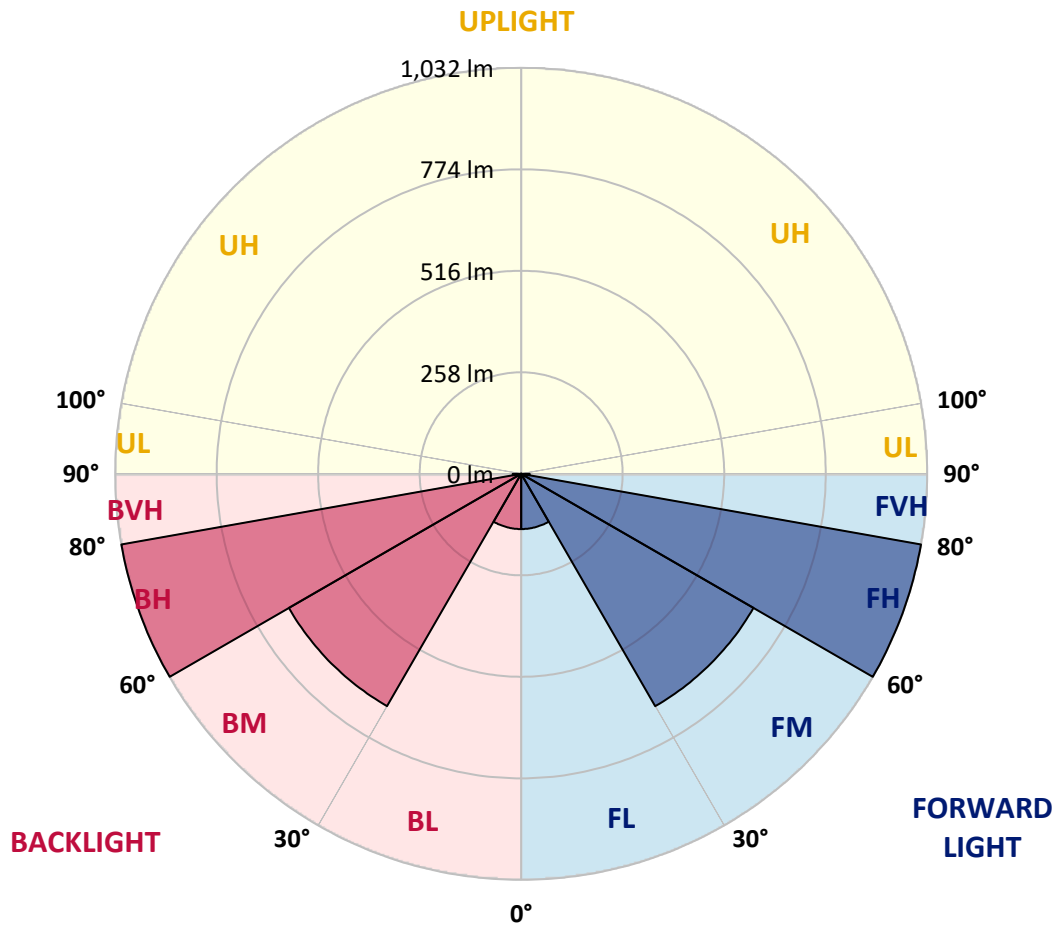
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.4	3.7			
FM	(30°-60°)	681.6	18.2			
FH	(60°-80°)	1031.6	27.5			G1/1800
FVH	(80°-90°)	21.4	0.6			G1/100
BL	(0°-30°)	140.4	3.7	B1/500		
BM	(30°-60°)	681.6	18.2	B1/1000		
BH	(60°-80°)	1031.6	27.5	B3/2500		G1/1800
BVH	(80°-90°)	21.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1
2.5°	339.9	340.9	340.5	339.7	339.7	339.2	339.7	340.1	340.7	341.1	340.9
5°	335.4	336.2	336.0	335.4	335.6	335.1	335.4	336.0	336.4	336.6	336.6
7.5°	331.6	332.3	331.9	331.0	331.0	330.4	330.6	331.2	331.7	331.9	331.9
10°	330.6	331.4	330.2	328.6	328.0	327.3	327.5	328.0	329.2	329.8	329.8
12.5°	331.0	331.6	330.4	328.0	327.5	326.7	326.7	327.3	328.8	329.6	329.8
15°	332.1	332.7	331.0	328.4	327.8	327.3	327.1	327.8	329.6	331.0	331.2
17.5°	334.3	334.9	332.1	328.6	327.8	328.0	327.8	328.4	331.2	333.7	333.7
20°	336.2	336.6	332.9	328.6	327.8	328.0	327.8	329.0	332.5	336.0	336.2
22.5°	336.8	337.2	333.7	330.0	329.4	329.6	329.4	330.6	333.9	337.4	337.4
25°	337.0	337.6	334.9	331.9	332.9	333.3	332.9	333.1	335.6	338.8	338.6
27.5°	339.9	340.7	338.2	335.6	336.2	336.0	336.6	337.2	339.2	342.3	341.5
30°	346.0	346.6	344.4	341.9	341.5	340.1	341.9	343.8	346.0	348.7	348.1
32.5°	355.9	357.1	354.4	351.6	349.9	349.1	350.5	353.8	356.7	359.6	358.4
35°	372.5	373.3	370.7	365.7	362.5	362.5	363.7	368.0	372.7	376.4	375.0
37.5°	395.9	396.8	392.4	386.3	381.6	381.6	383.2	387.7	394.7	400.0	398.0
40°	424.3	425.7	420.0	413.8	409.3	408.5	410.5	415.6	422.2	428.8	426.7
42.5°	458.6	460.2	452.8	447.3	443.8	443.8	444.8	449.5	455.5	463.7	463.1
45°	502.5	505.2	495.1	489.6	486.3	487.1	487.7	491.8	497.2	506.6	506.2
47.5°	554.7	557.5	546.7	541.1	540.5	544.2	541.9	544.8	547.7	558.4	555.3
50°	614.0	618.7	611.3	610.9	612.0	618.9	613.4	615.0	611.6	618.5	614.4
52.5°	686.5	693.3	691.9	694.3	707.3	721.4	708.9	703.4	691.0	693.1	685.9
55°	774.4	784.7	786.7	800.7	830.3	859.0	832.5	810.5	783.9	779.1	771.5
57.5°	874.4	882.6	891.9	920.6	975.9	1026.8	975.9	927.2	885.5	875.6	868.5
60°	982.0	992.1	1001.1	1043.4	1125.6	1197.2	1124.1	1046.7	991.5	978.1	966.4
62.5°	1097.6	1110.6	1116.9	1163.8	1259.7	1345.1	1261.1	1167.3	1106.1	1091.7	1080.0
65°	1208.5	1219.2	1226.2	1276.3	1367.9	1453.5	1374.1	1281.8	1218.8	1199.9	1190.5
67.5°	1260.1	1266.0	1283.1	1339.8	1436.5	1534.2	1452.9	1345.9	1275.5	1242.4	1242.8
70°	1184.5	1172.6	1213.9	1304.8	1444.7	1583.7	1463.4	1302.0	1215.9	1162.1	1174.9
72.5°	915.3	894.9	966.6	1121.9	1351.1	1552.1	1360.5	1130.7	1011.2	902.1	929.2
75°	498.0	474.8	573.8	770.3	1077.5	1345.3	1102.2	792.3	638.9	494.3	526.5
77.5°	140.5	131.8	211.7	372.7	648.1	944.6	673.0	380.9	251.1	148.9	165.5
80°	43.1	41.7	56.5	112.3	275.2	452.4	264.5	113.6	71.9	45.4	47.9
82.5°	25.5	23.4	28.1	40.9	70.2	142.1	68.2	42.7	34.3	23.0	24.9
85°	14.6	13.6	16.6	19.9	23.6	30.2	19.7	20.3	18.3	12.3	12.9
87.5°	6.0	5.5	6.4	6.2	5.5	7.0	5.3	6.2	7.4	4.9	4.5
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)