

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: P945188

Luminaire Tested: **GALN-SB1B-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

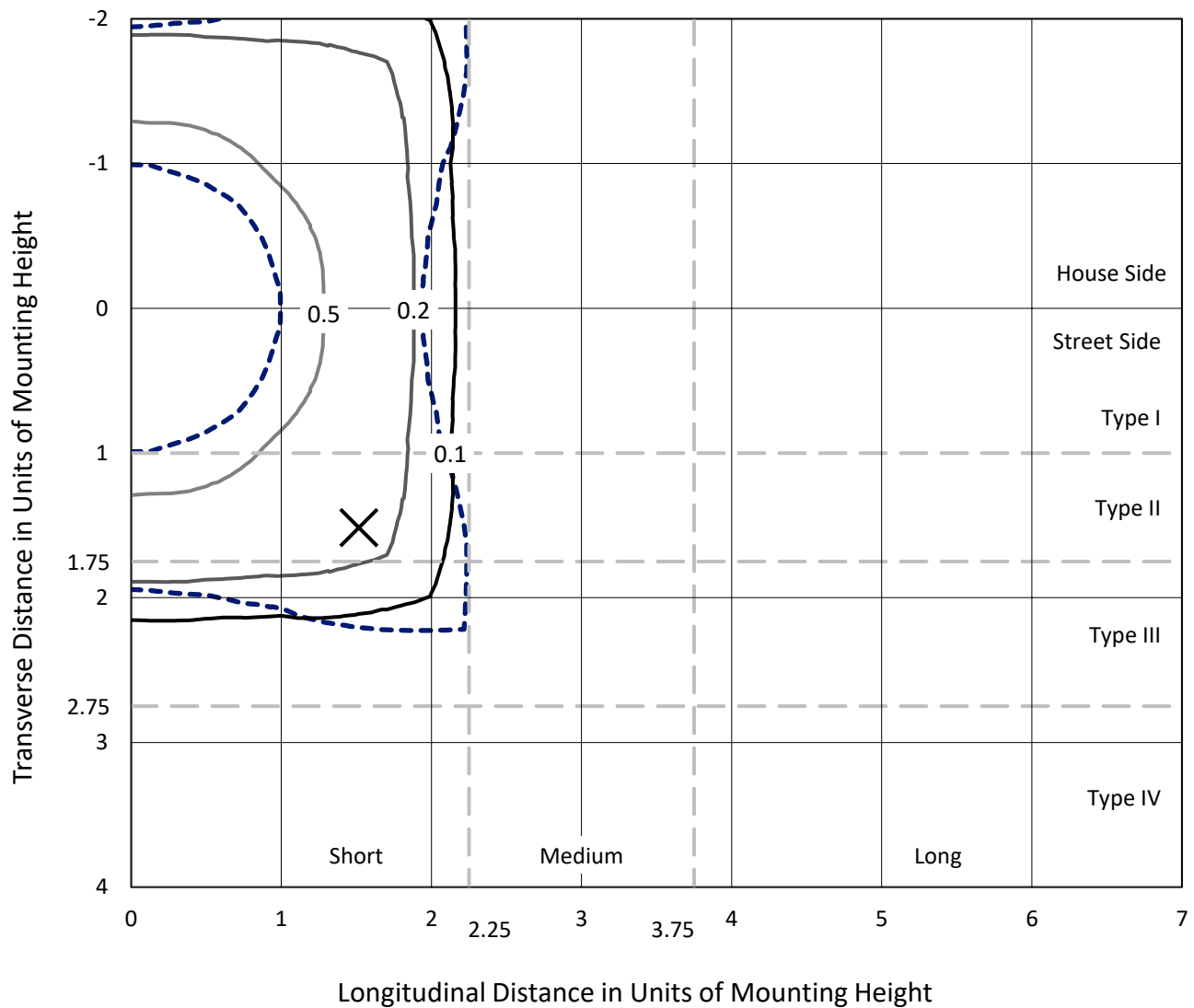
Lumens per Lamp: N/A
Luminaire Lumens: 4876 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 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



Iso-Footcandle Lines of Horizontal Illumination

✖ Max cd
 --- 1/2 Max cd

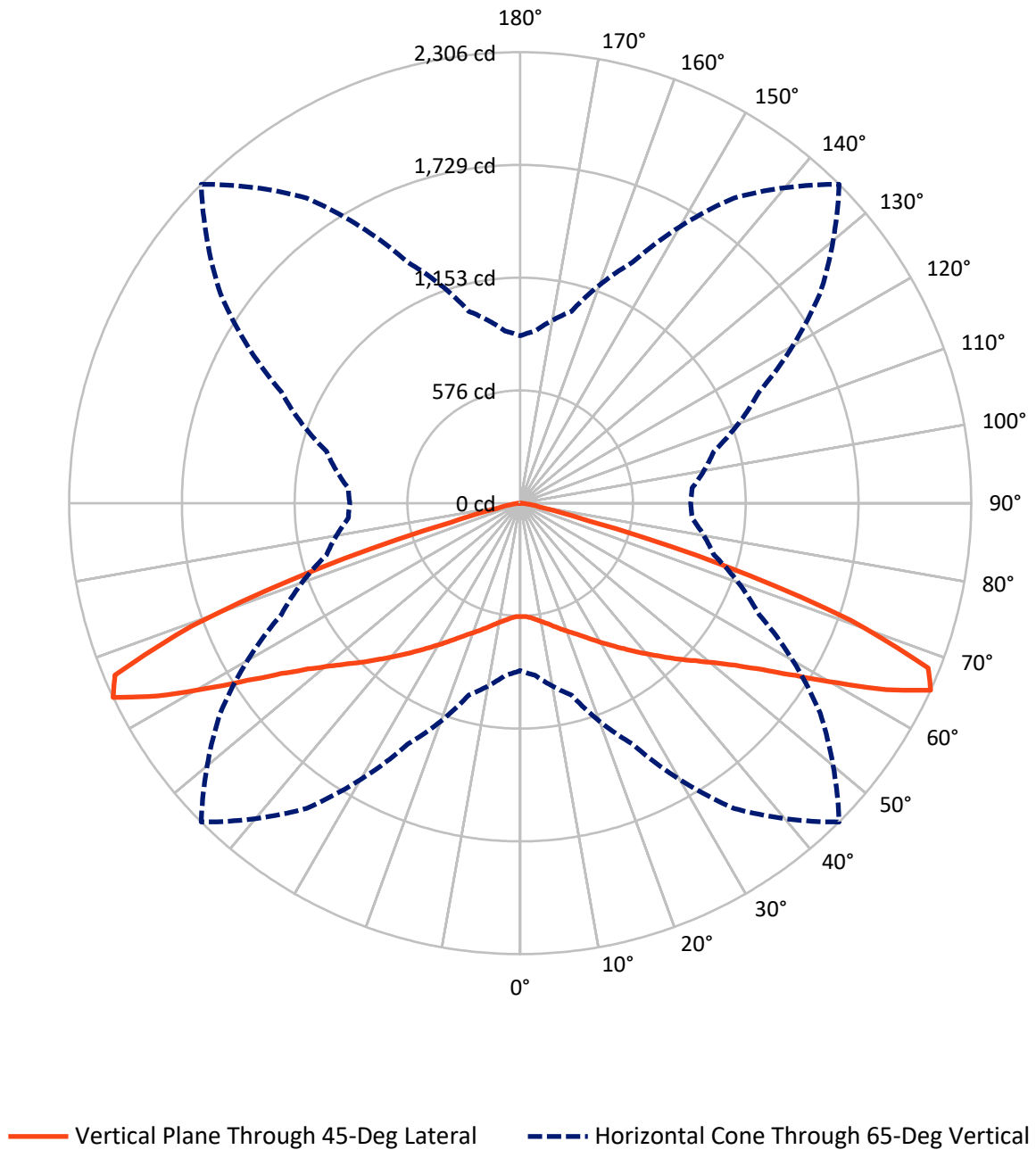


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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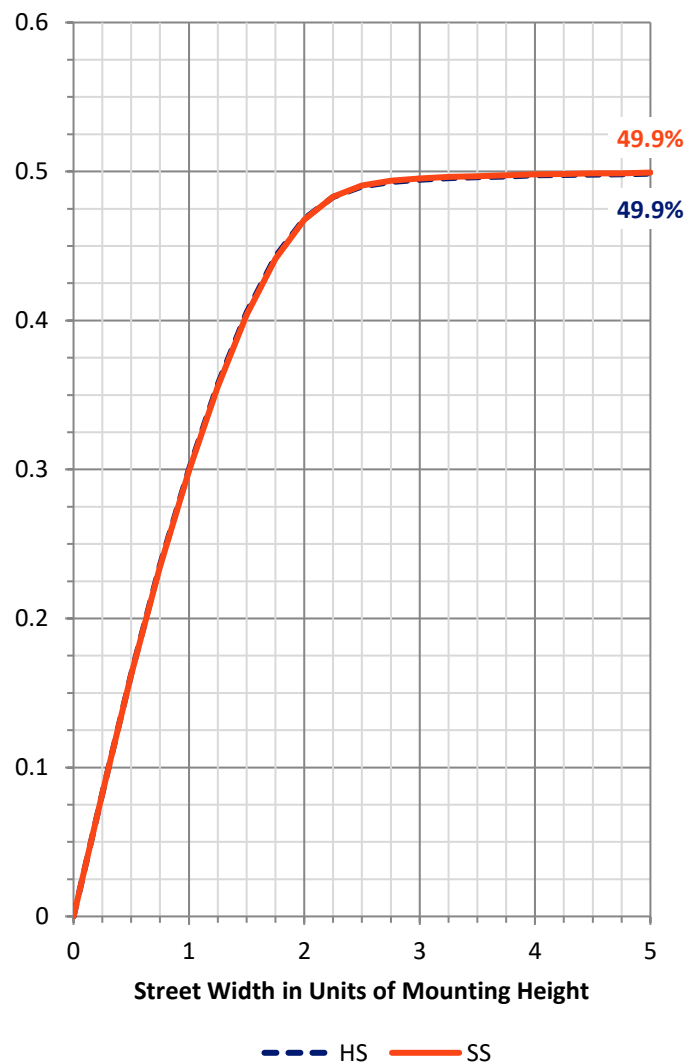
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2438.0	0.0	2438.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2438.0	0.0	2438.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4876.0	0.0	4876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.2
10°-20°	186.9	3.8
20°-30°	352.8	7.2
30°-40°	577.8	11.8
40°-50°	895.8	18.4
50°-60°	1323.3	27.1
60°-70°	1259.7	25.8
70°-80°	203.3	4.2
80°-90°	19.2	0.4
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°	4876.0	100.0
0°-180°	4876.0	100.0

Coefficient of Utilization



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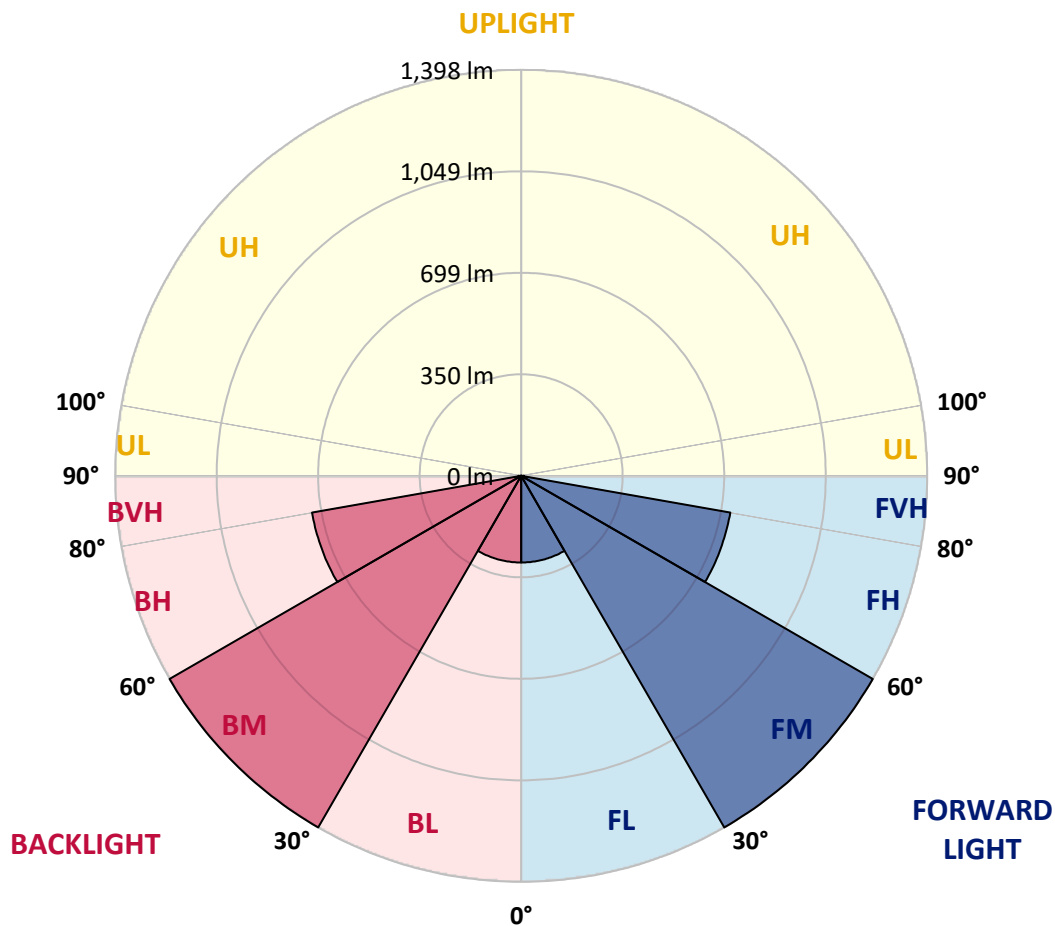
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.5	6.1			
FM	(30°-60°)	1398.5	28.7			
FH	(60°-80°)	731.5	15.0			G1/1800
FVH	(80°-90°)	9.6	0.2			G0/10
BL	(0°-30°)	298.5	6.1	B1/500		
BM	(30°-60°)	1398.5	28.7	B2/2500		
BH	(60°-80°)	731.5	15.0	B2/1000		G1/1800
BVH	(80°-90°)	9.6	0.2			G0/10
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°	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3
2.5°	584.2	582.2	583.7	582.5	581.5	580.5	581.0	582.7	583.5	583.7	583.7
5°	592.0	590.3	591.1	591.1	589.3	588.9	589.1	590.3	591.8	591.8	591.8
7.5°	604.8	603.0	604.8	603.8	602.3	601.8	601.6	602.6	604.8	604.8	604.0
10°	620.2	618.2	619.2	618.7	617.0	616.3	616.0	617.5	619.4	619.2	618.7
12.5°	637.0	634.8	636.1	634.6	634.1	633.4	633.4	633.1	634.4	633.4	633.9
15°	655.9	654.4	654.9	653.9	654.7	654.2	652.2	651.2	651.7	650.3	650.5
17.5°	678.1	674.7	676.4	675.9	675.9	676.9	673.7	672.5	673.5	672.0	673.3
20°	703.8	700.4	701.1	700.2	698.9	699.9	696.0	697.0	697.7	696.7	698.9
22.5°	732.0	727.6	727.3	727.8	725.1	725.4	722.7	725.1	726.6	723.9	726.6
25°	760.8	756.2	759.4	758.1	754.7	755.5	753.5	755.9	757.2	753.7	757.7
27.5°	791.4	788.2	791.2	791.9	787.7	790.7	787.7	790.0	791.2	786.0	790.0
30°	827.1	824.0	826.6	828.6	823.7	828.4	825.9	827.4	827.6	821.5	825.2
32.5°	866.0	861.1	868.0	869.0	863.6	869.2	866.0	868.0	869.2	860.9	866.5
35°	913.5	907.4	915.2	914.0	909.3	914.0	911.0	914.0	916.9	906.9	913.0
37.5°	964.6	958.3	966.6	964.4	960.0	963.2	961.4	963.4	968.1	957.3	963.9
40°	1020.9	1013.1	1024.3	1020.4	1016.2	1015.8	1016.7	1018.0	1024.1	1012.1	1016.0
42.5°	1081.1	1072.8	1089.6	1083.5	1077.7	1073.7	1076.9	1079.4	1085.2	1071.8	1078.9
45°	1149.8	1140.3	1162.3	1155.0	1145.7	1137.6	1142.7	1146.4	1155.0	1138.8	1147.1
47.5°	1225.7	1214.9	1238.4	1236.2	1221.0	1203.4	1215.1	1225.7	1232.0	1212.4	1219.1
50°	1299.8	1291.5	1322.3	1325.0	1306.4	1281.7	1298.1	1314.0	1315.7	1290.0	1293.2
52.5°	1369.3	1360.9	1405.7	1422.6	1406.0	1376.6	1394.0	1410.1	1397.2	1363.9	1364.9
55°	1424.8	1417.9	1475.0	1518.5	1524.1	1499.9	1510.2	1509.7	1467.1	1416.0	1417.7
57.5°	1438.3	1437.3	1509.2	1601.4	1660.1	1663.1	1642.8	1590.9	1499.2	1430.4	1426.0
60°	1377.1	1383.2	1482.0	1644.7	1801.3	1866.4	1778.6	1630.5	1462.7	1367.3	1356.1
62.5°	1194.1	1210.2	1329.4	1591.9	1915.3	2100.3	1887.4	1570.4	1313.0	1188.5	1181.1
65°	855.8	883.9	1015.5	1358.5	1905.0	2305.8	1871.8	1347.5	1025.3	881.7	871.2
67.5°	388.2	416.9	528.7	930.1	1656.0	2250.0	1652.1	939.9	555.1	418.3	412.2
70°	140.7	145.6	181.5	372.3	1058.3	1792.7	1103.6	375.0	193.0	155.1	153.1
72.5°	85.1	85.9	93.5	133.3	367.7	1088.4	383.4	137.7	95.4	84.6	86.1
75°	54.1	53.6	66.5	81.5	130.4	367.2	136.8	81.5	66.3	60.4	60.9
77.5°	38.9	40.1	47.7	60.9	82.2	124.5	80.7	58.2	47.7	39.1	39.9
80°	29.1	29.8	34.7	47.5	57.7	77.6	51.4	43.1	36.0	24.5	25.2
82.5°	21.0	21.0	22.8	34.5	35.2	41.8	27.9	30.3	23.7	17.4	17.4
85°	12.5	12.2	14.2	20.5	18.3	15.4	12.7	18.6	14.9	10.8	10.5
87.5°	4.4	4.6	4.4	5.9	4.9	4.2	3.9	5.1	4.2	3.7	3.4
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)