

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: P946972

Luminaire Tested: **GALN-SB2C-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946972
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-SB2C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12957 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 100.9
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

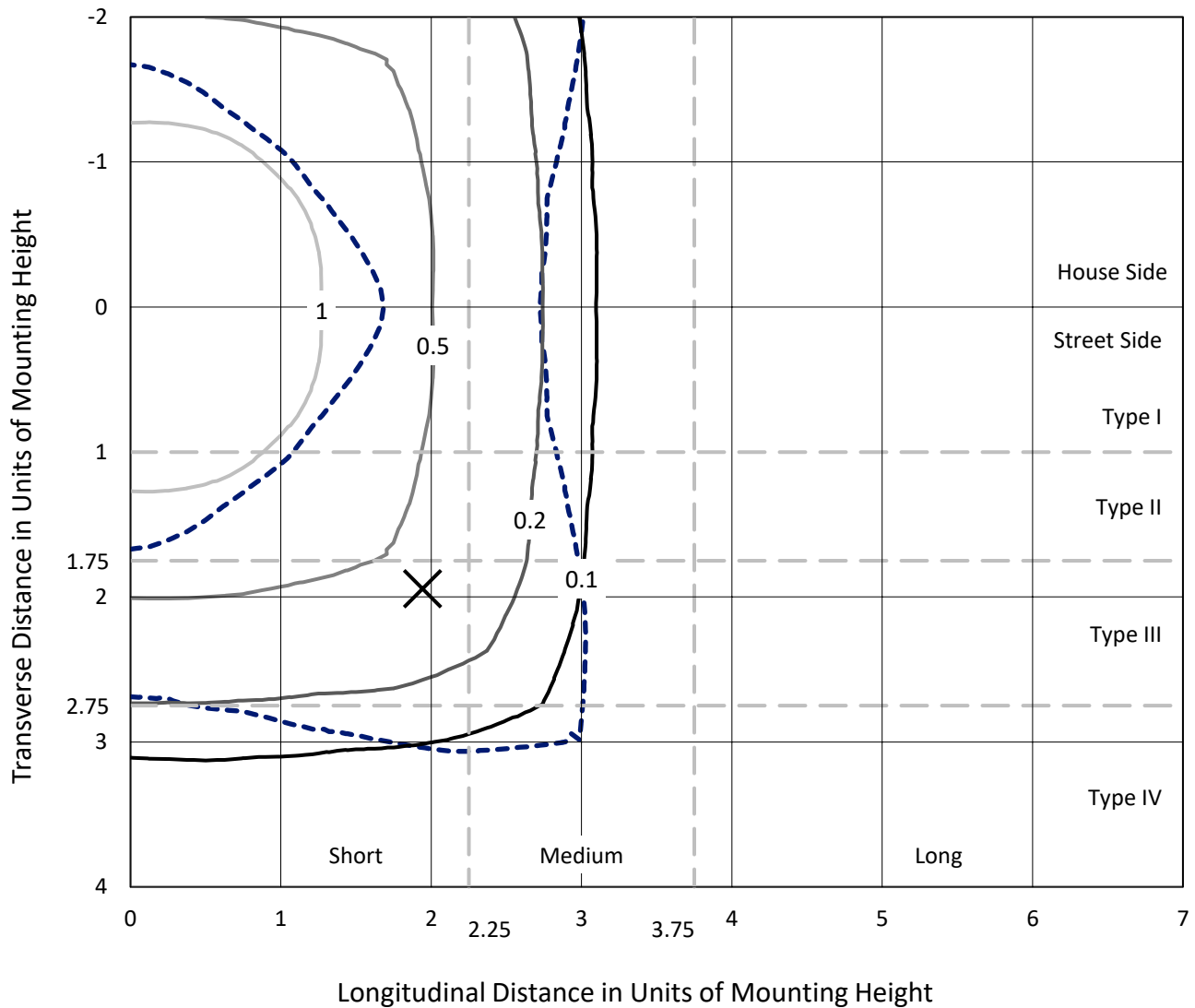


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

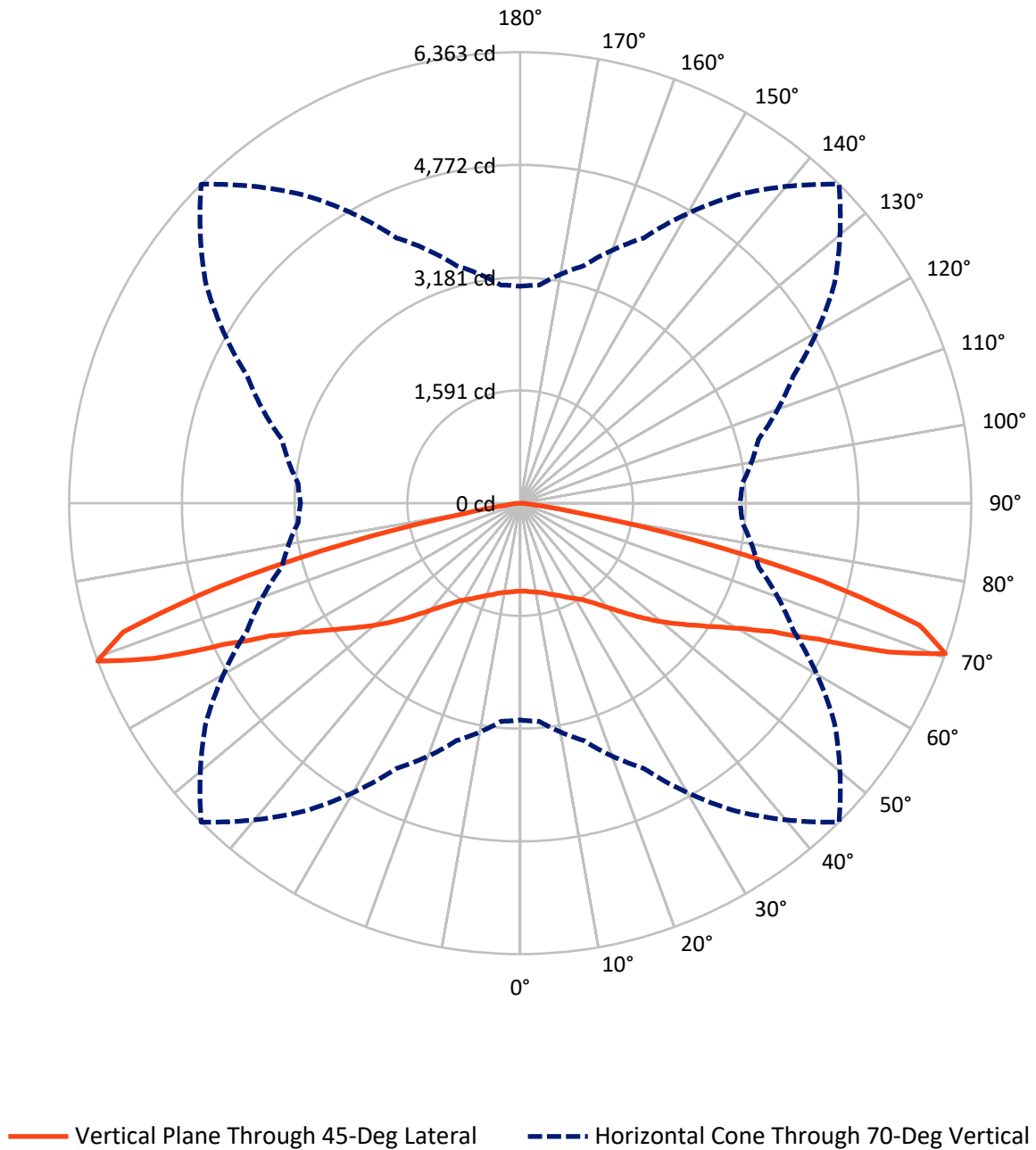


Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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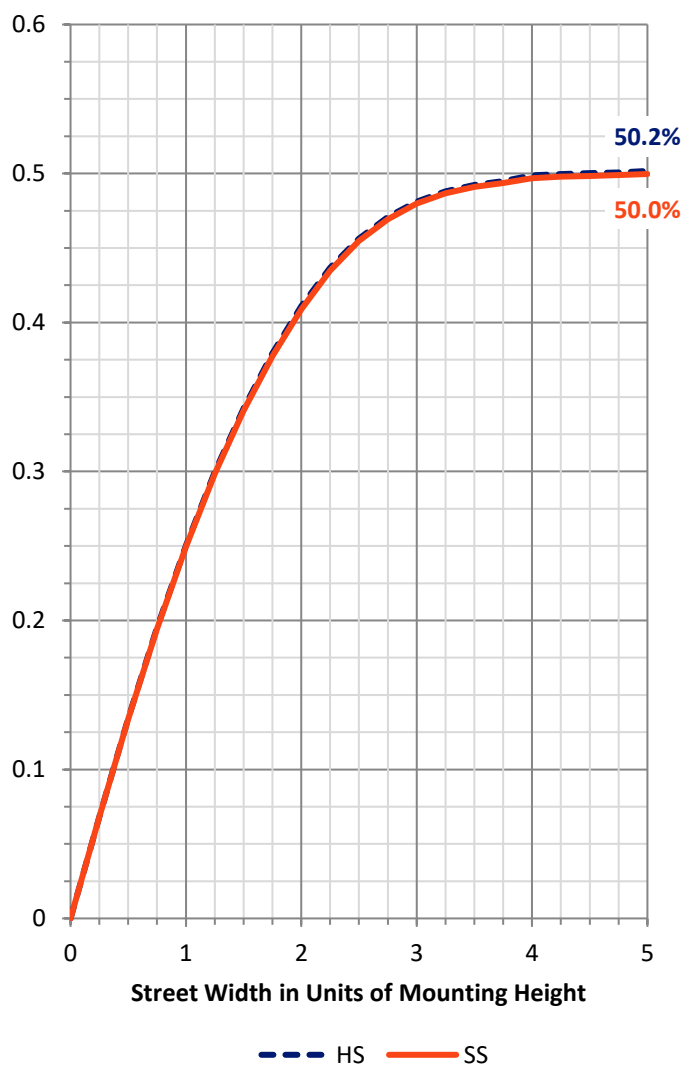
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6478.5	0.0	6478.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6478.5	0.0	6478.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12957.0	0.0	12957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	0.9
10°-20°	373.9	2.9
20°-30°	668.2	5.2
30°-40°	1083.1	8.4
40°-50°	1764.3	13.6
50°-60°	2689.9	20.8
60°-70°	4001.7	30.9
70°-80°	2181.1	16.8
80°-90°	74.3	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°	12957.0	100.0
0°-180°	12957.0	100.0

Coefficient of Utilization



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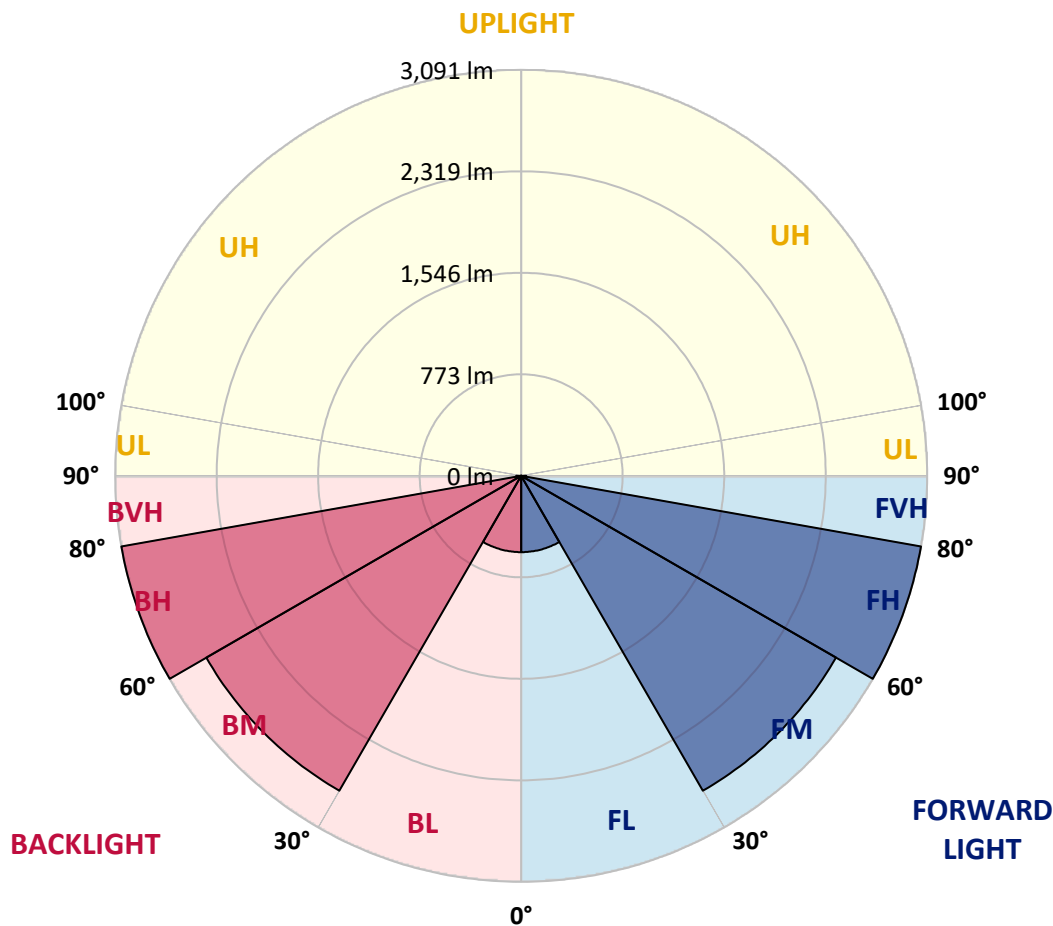
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	581.3	4.5			
FM	(30°-60°)	2768.6	21.4			
FH	(60°-80°)	3091.4	23.9			G2/5000
FVH	(80°-90°)	37.1	0.3			G1/100
BL	(0°-30°)	581.3	4.5	B2/1000		
BM	(30°-60°)	2768.6	21.4	B3/5000		
BH	(60°-80°)	3091.4	23.9	B4/5000		G2/5000
BVH	(80°-90°)	37.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1247.0	1248.3	1245.7	1244.4	1243.1	1241.1	1241.8	1245.0	1247.7	1247.0	1247.7
5°	1257.4	1258.7	1256.8	1256.1	1253.5	1252.9	1252.9	1256.1	1258.1	1256.8	1257.4
7.5°	1269.1	1271.1	1267.8	1267.2	1265.9	1264.6	1263.9	1267.2	1269.1	1269.1	1269.1
10°	1280.2	1282.1	1279.5	1277.6	1276.3	1276.3	1275.0	1277.6	1280.8	1280.2	1280.2
12.5°	1291.9	1293.2	1290.6	1289.3	1289.3	1291.2	1289.3	1290.6	1293.2	1291.9	1291.2
15°	1306.2	1306.8	1306.2	1308.1	1311.4	1317.9	1312.1	1310.7	1312.1	1308.8	1308.8
17.5°	1325.7	1327.0	1329.6	1334.2	1338.7	1350.4	1340.0	1336.8	1336.8	1330.3	1330.3
20°	1349.8	1351.7	1355.6	1363.4	1369.3	1380.4	1369.9	1365.4	1363.4	1355.0	1355.0
22.5°	1375.1	1378.4	1384.3	1394.7	1405.1	1415.5	1405.1	1397.3	1391.4	1380.4	1379.7
25°	1404.4	1408.3	1417.4	1434.3	1448.7	1463.6	1451.3	1435.6	1423.9	1408.3	1407.7
27.5°	1446.1	1450.6	1461.7	1482.5	1500.7	1513.7	1502.0	1481.8	1465.6	1446.7	1446.1
30°	1504.6	1509.2	1522.2	1544.3	1556.6	1565.1	1557.3	1541.7	1522.2	1500.7	1500.7
32.5°	1580.1	1585.9	1600.2	1621.0	1623.6	1624.9	1622.3	1614.5	1600.2	1574.2	1574.9
35°	1675.7	1682.2	1698.4	1715.4	1712.8	1715.4	1711.5	1708.9	1698.4	1668.5	1668.5
37.5°	1792.8	1800.6	1817.5	1830.5	1824.0	1820.7	1821.4	1822.0	1816.2	1783.0	1783.0
40°	1928.7	1939.1	1951.5	1965.1	1954.1	1944.3	1950.8	1956.0	1950.8	1917.0	1917.0
42.5°	2068.6	2083.5	2096.5	2116.1	2107.0	2094.6	2103.7	2109.6	2098.5	2062.1	2064.7
45°	2224.0	2238.4	2255.3	2284.5	2278.0	2265.0	2278.0	2279.3	2260.5	2217.5	2222.1
47.5°	2384.7	2399.7	2425.0	2464.1	2461.5	2447.2	2464.1	2455.0	2430.9	2379.5	2376.3
50°	2536.9	2557.8	2596.8	2651.4	2656.6	2639.1	2661.8	2644.3	2603.9	2539.5	2538.2
52.5°	2680.0	2702.2	2764.0	2838.1	2857.0	2834.2	2864.8	2834.2	2773.7	2691.1	2683.3
55°	2830.3	2855.0	2928.5	3025.5	3063.2	3046.3	3074.9	3028.7	2942.8	2842.7	2829.0
57.5°	3007.2	3022.2	3110.0	3225.2	3288.9	3292.8	3305.8	3227.8	3123.7	3009.8	2994.2
60°	3199.1	3220.0	3315.6	3453.5	3554.3	3586.8	3573.2	3457.4	3336.4	3205.6	3184.8
62.5°	3445.0	3467.8	3582.3	3747.5	3906.9	3987.5	3934.2	3766.4	3616.8	3460.0	3432.7
65°	3648.6	3674.0	3880.9	4175.5	4465.7	4627.6	4493.6	4184.6	3915.3	3694.2	3657.7
67.5°	3501.0	3532.2	3856.8	4398.0	5119.4	5602.7	5144.1	4464.4	3936.8	3636.9	3592.0
70°	3059.9	3089.2	3467.8	4129.3	5303.5	6362.5	5414.1	4251.0	3480.2	3144.5	3099.6
72.5°	2031.5	2125.8	2509.0	3302.6	4735.6	5887.6	4782.4	3235.6	2327.5	2026.9	1961.2
75°	673.9	749.4	1010.9	1712.1	3171.8	4403.2	3019.6	1515.0	800.8	576.3	545.1
77.5°	169.8	195.8	270.0	489.8	1265.2	2507.0	1139.0	400.1	217.9	152.2	136.0
80°	82.6	91.1	130.1	163.3	316.8	796.9	297.3	153.5	102.8	79.4	72.9
82.5°	45.5	46.2	73.5	92.4	117.7	206.2	122.3	89.8	59.2	48.1	48.1
85°	28.0	27.3	39.0	49.4	49.4	73.5	58.5	49.4	33.8	29.9	31.2
87.5°	11.1	11.1	14.3	15.6	13.7	18.9	15.0	16.3	13.0	12.4	13.0
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)