

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: P940240

Luminaire Tested: **GALN-SB3B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940240
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-SB3B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14117 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 109.2
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

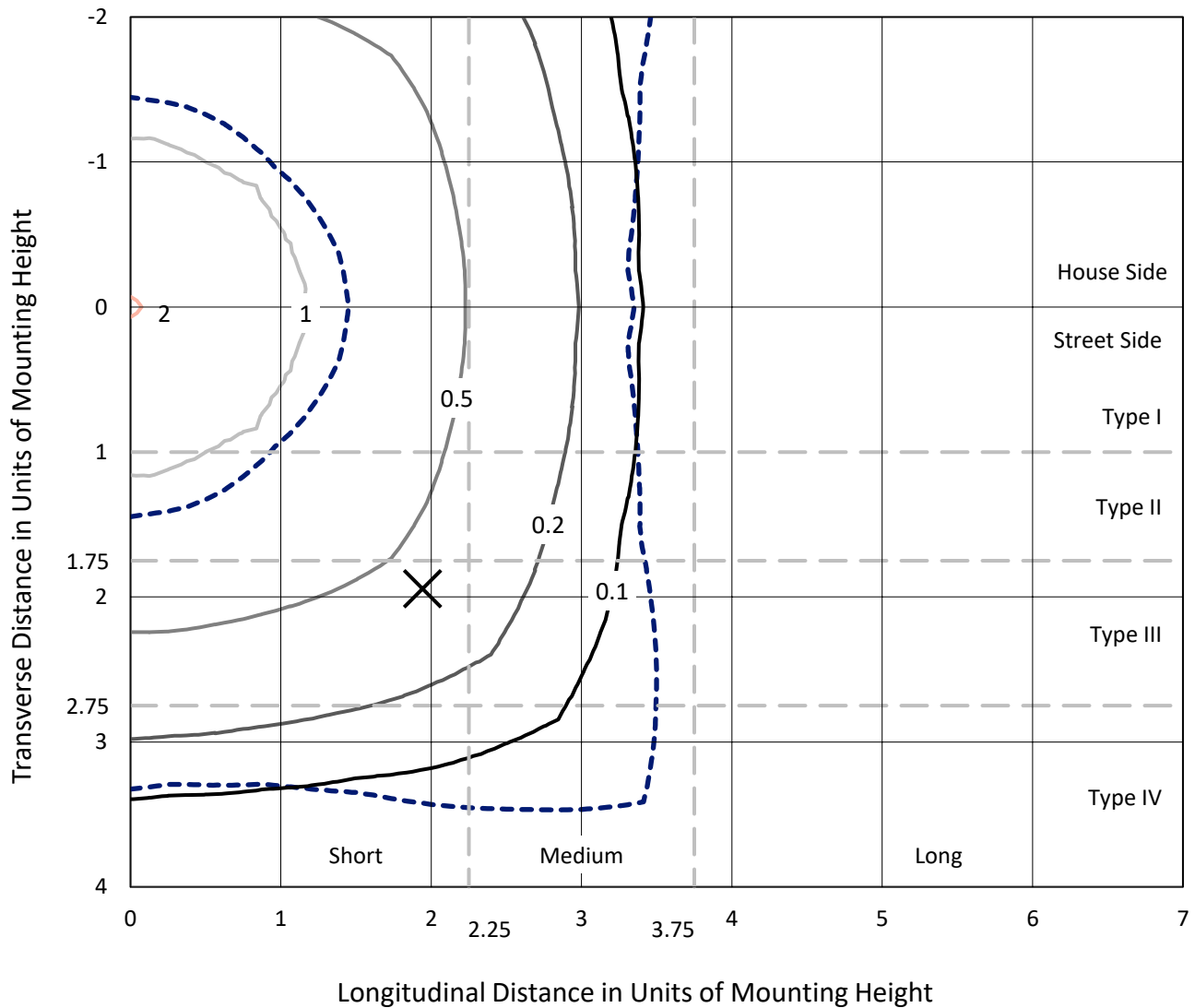


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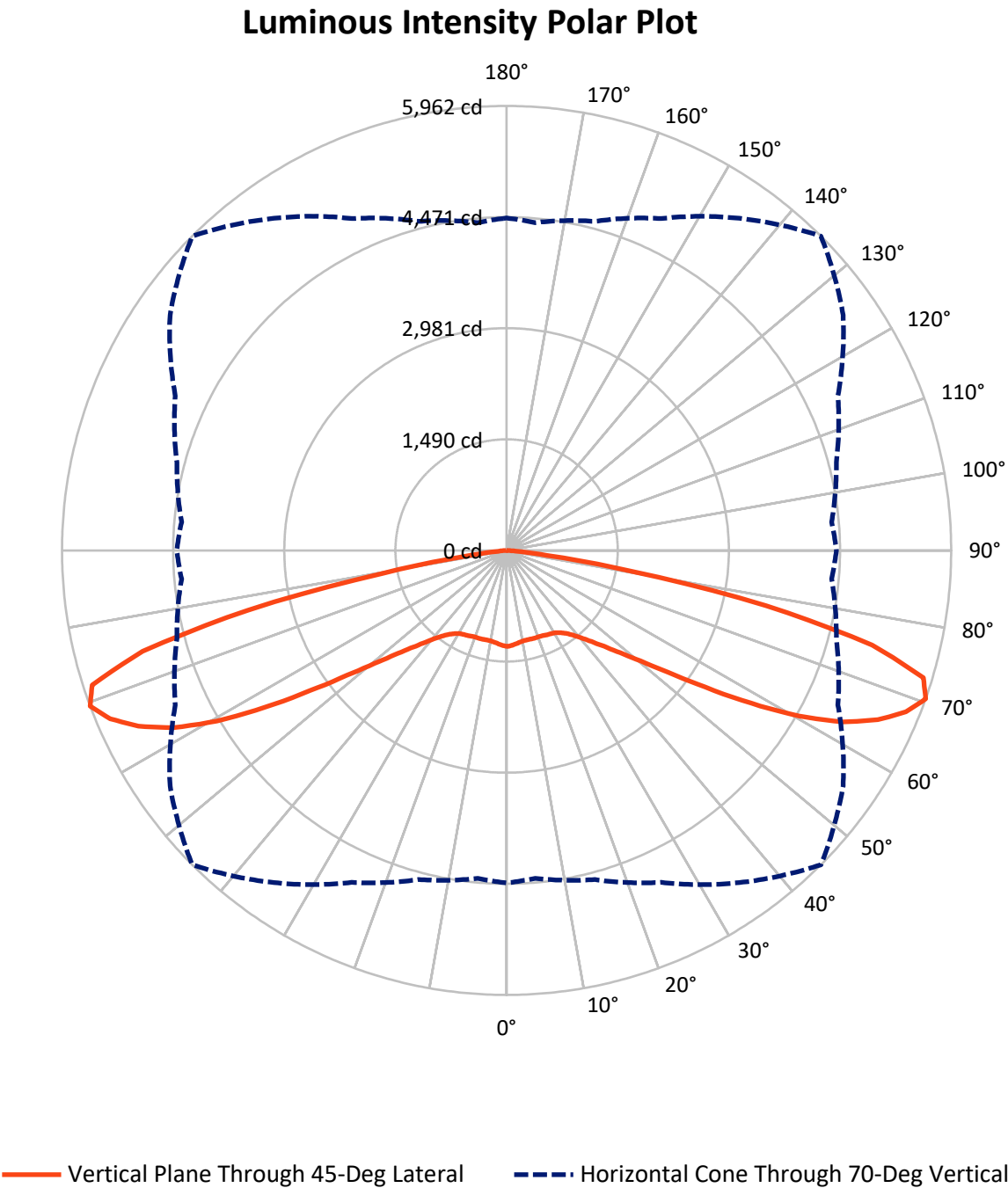
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - N/A

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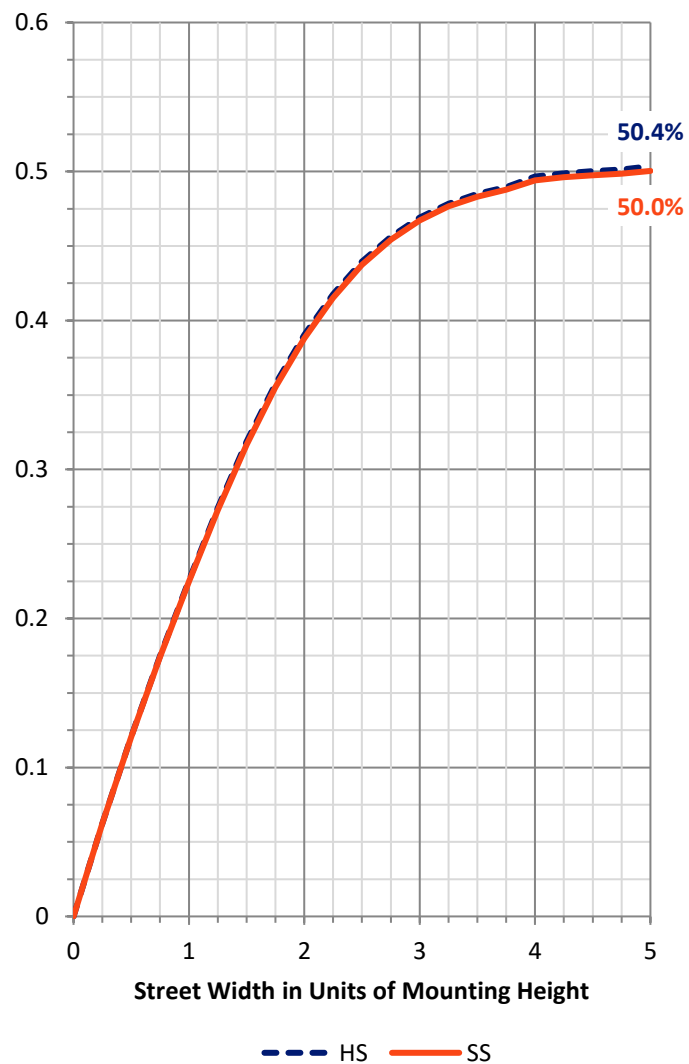
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7058.5	0.0	7058.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7058.5	0.0	7058.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14117.0	0.0	14117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	0.8
10°-20°	351.7	2.5
20°-30°	585.3	4.1
30°-40°	885.2	6.3
40°-50°	1471.0	10.4
50°-60°	2775.8	19.7
60°-70°	4687.0	33.2
70°-80°	3079.8	21.8
80°-90°	161.4	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°	14117.0	100.0
0°-180°	14117.0	100.0

Coefficient of Utilization



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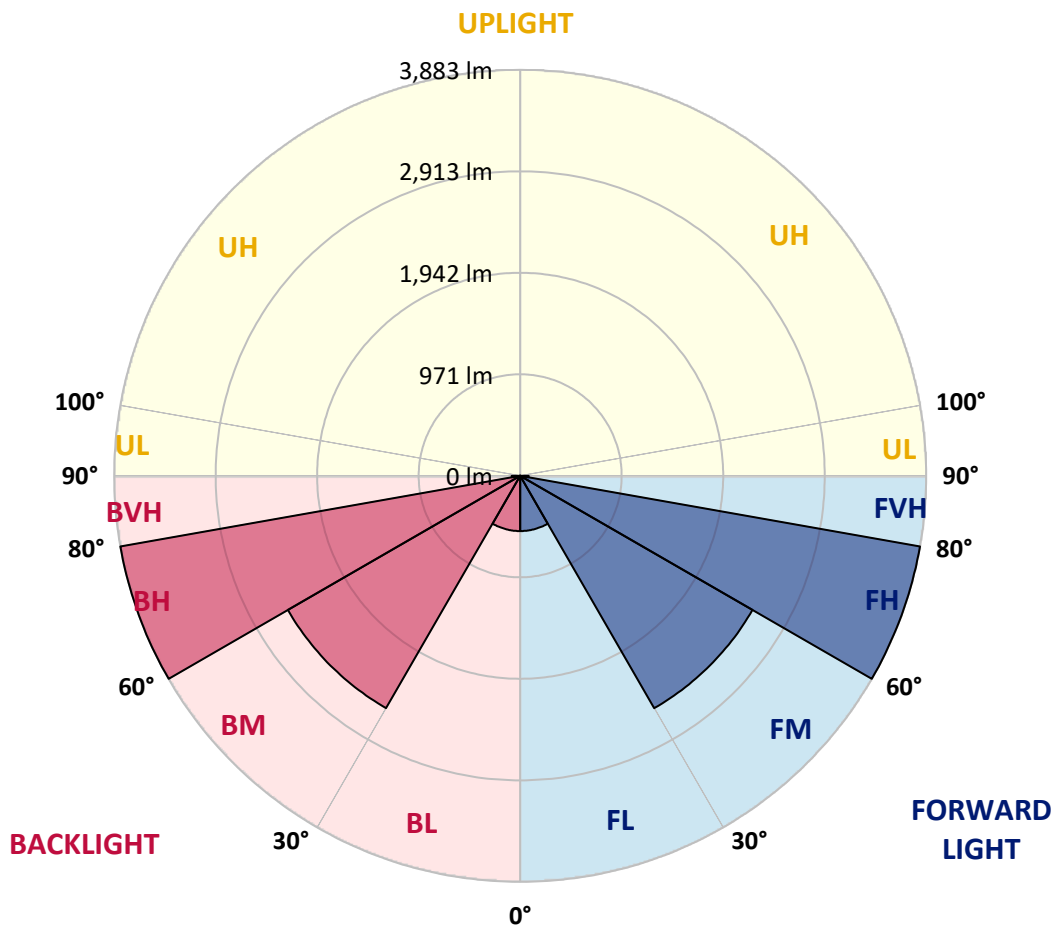
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	528.4	3.7			
FM	(30°-60°)	2566.0	18.2			
FH	(60°-80°)	3883.4	27.5			G2/5000
FVH	(80°-90°)	80.7	0.6			G1/100
BL	(0°-30°)	528.4	3.7	B2/1000		
BM	(30°-60°)	2566.0	18.2	B3/5000		
BH	(60°-80°)	3883.4	27.5	B4/5000		G2/5000
BVH	(80°-90°)	80.7	0.6			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°	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8
2.5°	1279.7	1283.4	1281.9	1278.9	1278.9	1276.7	1278.9	1280.4	1282.6	1284.1	1283.4
5°	1262.8	1265.7	1265.0	1262.8	1263.5	1261.3	1262.8	1265.0	1266.5	1267.2	1267.2
7.5°	1248.1	1251.1	1249.6	1245.9	1245.9	1243.7	1244.5	1246.7	1248.9	1249.6	1249.6
10°	1244.5	1247.4	1243.0	1237.1	1234.9	1232.0	1232.7	1234.9	1239.3	1241.5	1241.5
12.5°	1245.9	1248.1	1243.7	1234.9	1232.7	1229.8	1229.8	1232.0	1237.9	1240.8	1241.5
15°	1250.3	1252.5	1245.9	1236.4	1234.2	1232.0	1231.3	1234.2	1240.8	1245.9	1246.7
17.5°	1258.4	1260.6	1250.3	1237.1	1234.2	1234.9	1234.2	1236.4	1246.7	1256.2	1256.2
20°	1265.7	1267.2	1253.3	1237.1	1234.2	1234.9	1234.2	1238.6	1251.8	1265.0	1265.7
22.5°	1267.9	1269.4	1256.2	1242.3	1240.1	1240.8	1240.1	1244.5	1256.9	1270.1	1270.1
25°	1268.7	1270.9	1260.6	1249.6	1253.3	1254.7	1253.3	1254.0	1263.5	1275.3	1274.5
27.5°	1279.7	1282.6	1273.1	1263.5	1265.7	1265.0	1267.2	1269.4	1276.7	1288.5	1285.6
30°	1302.4	1304.6	1296.6	1287.0	1285.6	1280.4	1287.0	1294.4	1302.4	1312.7	1310.5
32.5°	1339.9	1344.3	1334.0	1323.7	1317.1	1314.2	1319.3	1331.8	1342.8	1353.8	1349.4
35°	1402.2	1405.2	1395.6	1376.5	1364.8	1364.8	1369.2	1385.3	1403.0	1416.9	1411.8
37.5°	1490.3	1493.9	1477.1	1454.3	1436.7	1436.7	1442.6	1459.5	1485.9	1505.7	1498.3
40°	1597.4	1602.5	1581.3	1557.8	1540.9	1538.0	1545.3	1564.4	1589.3	1614.3	1606.2
42.5°	1726.5	1732.4	1704.5	1684.0	1670.8	1670.8	1674.4	1692.1	1714.8	1745.6	1743.4
45°	1891.6	1901.9	1863.8	1843.2	1830.7	1833.7	1835.9	1851.3	1871.8	1907.1	1905.6
47.5°	2088.3	2098.6	2058.2	2036.9	2034.7	2048.7	2039.9	2050.9	2061.9	2102.2	2090.5
50°	2311.4	2329.0	2301.1	2299.6	2304.0	2329.7	2309.2	2315.0	2302.5	2328.2	2312.8
52.5°	2584.3	2610.0	2604.9	2613.7	2662.8	2715.7	2668.7	2648.2	2601.2	2609.3	2582.1
55°	2915.2	2954.1	2961.5	3014.3	3125.8	3233.7	3133.9	3051.0	2951.2	2932.9	2904.2
57.5°	3291.7	3322.5	3357.7	3465.6	3674.0	3865.5	3674.0	3490.5	3333.5	3296.1	3269.6
60°	3696.7	3734.9	3768.6	3927.8	4237.5	4506.8	4231.6	3940.3	3732.7	3682.0	3638.0
62.5°	4131.8	4181.0	4204.5	4381.3	4742.3	5063.7	4747.4	4394.5	4164.1	4109.8	4065.8
65°	4549.3	4589.7	4616.1	4804.7	5149.6	5471.7	5173.0	4825.2	4588.2	4517.0	4481.8
67.5°	4743.8	4765.8	4830.4	5043.9	5407.8	5775.5	5469.5	5066.6	4801.7	4677.0	4678.5
70°	4459.1	4414.3	4569.9	4911.8	5438.7	5961.8	5509.1	4901.5	4577.2	4374.7	4423.1
72.5°	3445.8	3368.7	3638.7	4223.5	5086.4	5843.0	5121.7	4256.6	3806.8	3395.9	3497.8
75°	1874.8	1787.4	2160.2	2899.8	4056.2	5064.4	4149.4	2982.7	2405.3	1860.8	1981.9
77.5°	529.0	496.0	796.9	1403.0	2439.8	3555.8	2533.7	1433.8	945.1	560.6	623.0
80°	162.2	157.0	212.8	422.6	1036.1	1703.1	995.7	427.8	270.8	171.0	180.5
82.5°	96.1	88.1	105.7	154.1	264.2	534.9	256.8	160.7	129.1	86.6	93.9
85°	55.0	51.4	62.4	74.8	88.8	113.7	74.1	76.3	69.0	46.2	48.4
87.5°	22.7	20.5	24.2	23.5	20.5	26.4	19.8	23.5	27.9	18.3	16.9
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)