

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: P940110

Luminaire Tested: **GALN-SB3A-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940110
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-SB3A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14403 lumens
Efficiency: N/A
Efficacy: 170.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

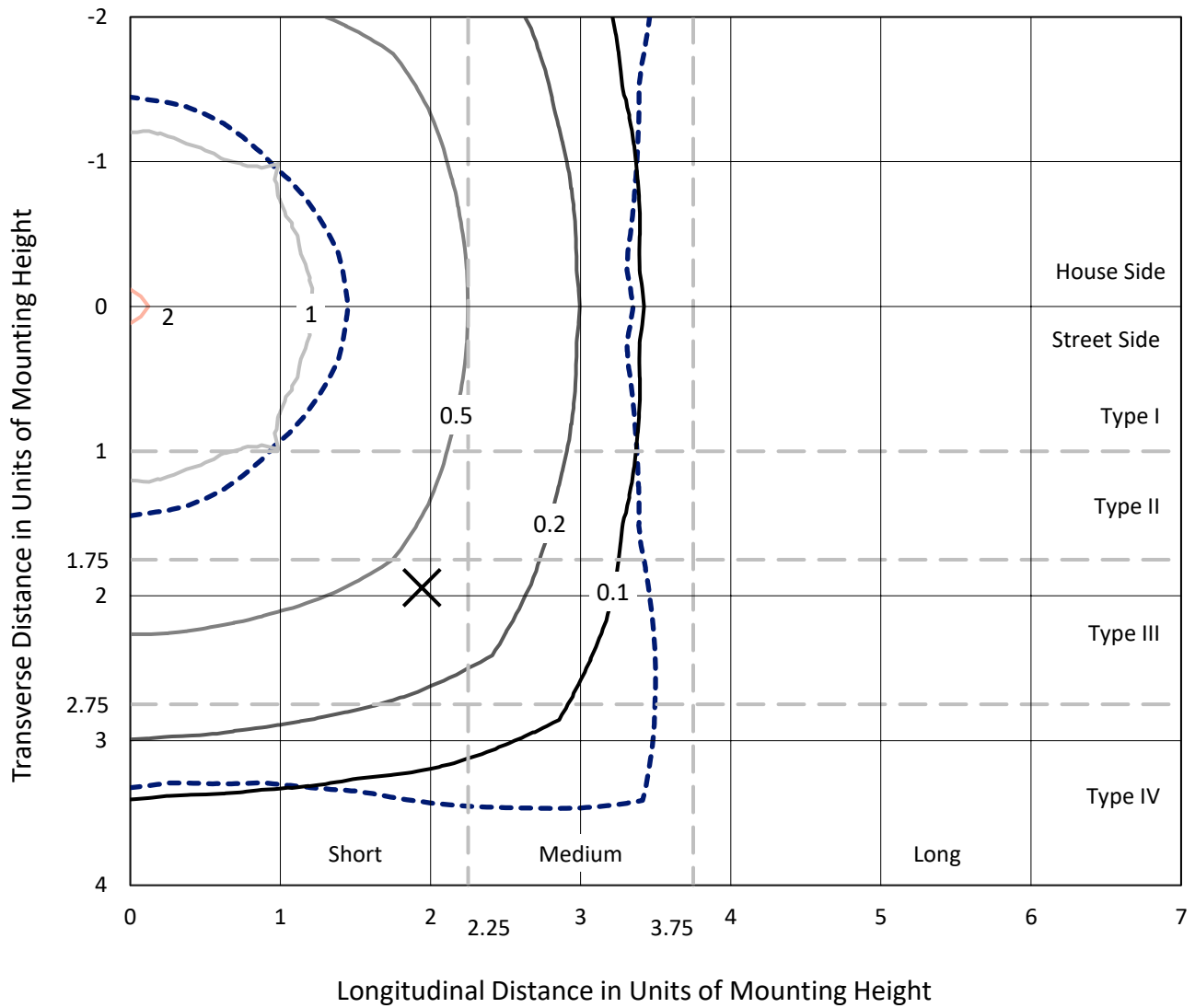
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

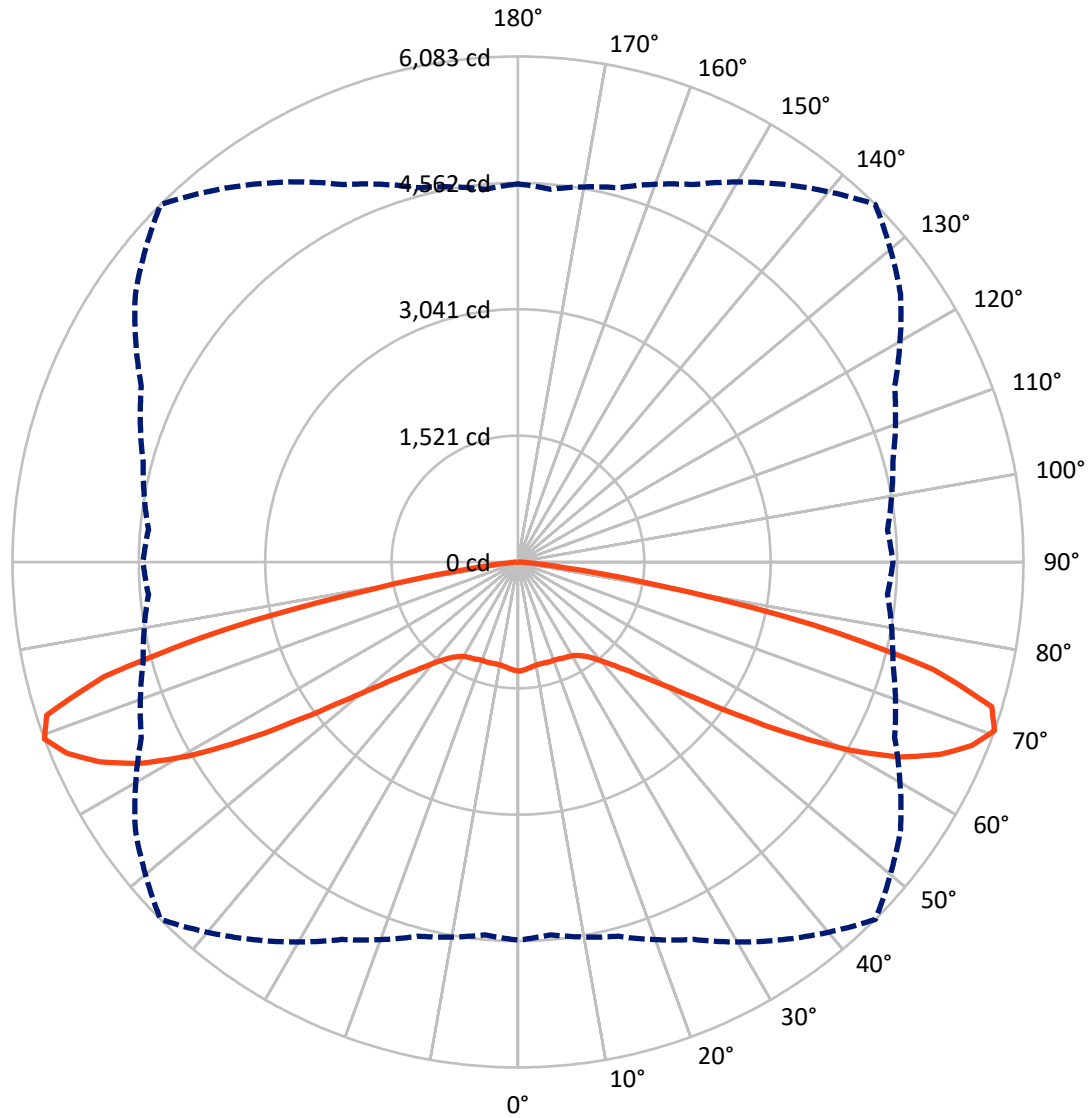
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7201.5	0.0	7201.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7201.5	0.0	7201.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14403.0	0.0	14403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	0.8
10°-20°	358.9	2.5
20°-30°	597.2	4.1
30°-40°	903.1	6.3
40°-50°	1500.8	10.4
50°-60°	2832.0	19.7
60°-70°	4781.9	33.2
70°-80°	3142.2	21.8
80°-90°	164.6	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°	14403.0	100.0
0°-180°	14403.0	100.0

Coefficient of Utilization



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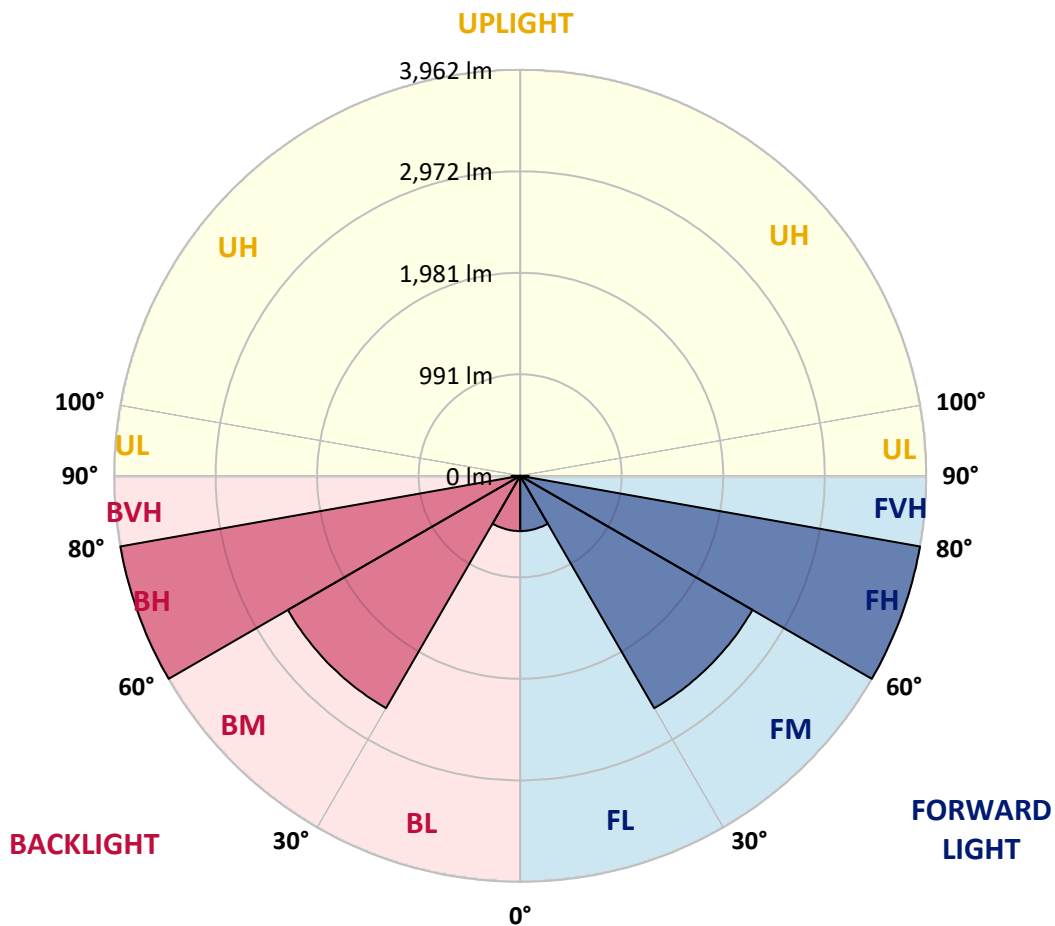
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.1	3.7			
FM (30°-60°)	2618.0	18.2			
FH (60°-80°)	3962.1	27.5			G2/5000
FVH (80°-90°)	82.3	0.6			G1/100
BL (0°-30°)	539.1	3.7	B2/1000		
BM (30°-60°)	2618.0	18.2	B3/5000		
BH (60°-80°)	3962.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	82.3	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°
0°	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8
2.5°	1305.6	1309.4	1307.9	1304.9	1304.9	1302.6	1304.9	1306.4	1308.6	1310.1
5°	1288.4	1291.4	1290.6	1288.4	1289.1	1286.9	1288.4	1290.6	1292.1	1292.9
7.5°	1273.4	1276.4	1274.9	1271.2	1271.2	1268.9	1269.7	1271.9	1274.2	1274.9
10°	1269.7	1272.7	1268.2	1262.2	1259.9	1256.9	1257.7	1259.9	1264.4	1266.7
12.5°	1271.2	1273.4	1268.9	1259.9	1257.7	1254.7	1254.7	1256.9	1262.9	1265.9
15°	1275.7	1277.9	1271.2	1261.4	1259.2	1256.9	1256.2	1259.2	1265.9	1271.2
17.5°	1283.9	1286.1	1275.7	1262.2	1259.2	1259.9	1259.2	1261.4	1271.9	1281.7
20°	1291.4	1292.9	1278.7	1262.2	1259.2	1259.9	1259.2	1263.7	1277.2	1290.6
22.5°	1293.6	1295.1	1281.7	1267.4	1265.2	1265.9	1265.2	1269.7	1282.4	1295.9
25°	1294.4	1296.6	1286.1	1274.9	1278.7	1280.2	1278.7	1279.4	1289.1	1301.1
27.5°	1305.6	1308.6	1298.9	1289.1	1291.4	1290.6	1292.9	1295.1	1302.6	1314.6
30°	1328.8	1331.1	1322.8	1313.1	1311.6	1306.4	1313.1	1320.6	1328.8	1339.3
32.5°	1367.0	1371.5	1361.0	1350.5	1343.8	1340.8	1346.0	1358.8	1370.0	1381.2
35°	1430.6	1433.6	1423.9	1404.4	1392.4	1392.4	1396.9	1413.4	1431.4	1445.6
37.5°	1520.5	1524.2	1507.0	1483.8	1465.8	1465.8	1471.8	1489.0	1516.0	1536.2
40°	1629.8	1635.0	1613.3	1589.3	1572.1	1569.1	1576.6	1596.1	1621.5	1647.0
42.5°	1761.5	1767.5	1739.1	1718.1	1704.6	1704.6	1708.4	1726.3	1749.5	1781.0
45°	1930.0	1940.4	1901.5	1880.6	1867.8	1870.8	1873.1	1888.8	1909.8	1945.7
47.5°	2130.6	2141.1	2099.9	2078.2	2075.9	2090.2	2081.2	2092.4	2103.6	2144.8
50°	2358.2	2376.1	2347.7	2346.2	2350.7	2376.9	2355.9	2361.9	2349.2	2375.4
52.5°	2636.7	2662.9	2657.6	2666.6	2716.8	2770.7	2722.8	2701.8	2653.9	2662.1
55°	2974.3	3014.0	3021.5	3075.4	3189.2	3299.2	3197.4	3112.8	3011.0	2992.3
57.5°	3358.3	3389.8	3425.7	3535.8	3748.4	3943.8	3748.4	3561.2	3401.0	3362.8
60°	3771.6	3810.5	3845.0	4007.4	4323.3	4598.1	4317.3	4020.1	3808.3	3756.6
62.5°	4215.5	4265.7	4289.6	4470.1	4838.4	5166.3	4843.6	4483.5	4248.5	4193.1
65°	4641.5	4682.7	4709.6	4902.0	5253.9	5582.5	5277.8	4923.0	4681.2	4608.6
67.5°	4839.9	4862.3	4928.2	5146.1	5517.4	5892.5	5580.3	5169.3	4899.0	4771.8
70°	4549.4	4503.8	4662.5	5011.3	5548.8	6082.6	5620.7	5000.8	4669.9	4463.3
72.5°	3515.6	3437.0	3712.5	4309.1	5189.5	5961.3	5225.4	4342.8	3883.9	3464.7
75°	1912.7	1823.7	2204.0	2958.6	4138.4	5167.0	4233.5	3043.2	2454.0	1898.5
77.5°	539.8	506.1	813.0	1431.4	2489.2	3627.9	2585.0	1462.8	964.2	572.0
80°	165.4	160.2	217.1	431.2	1057.1	1737.6	1015.9	436.5	276.2	174.4
82.5°	98.1	89.8	107.8	157.2	269.5	545.8	262.0	163.9	131.8	88.3
85°	56.1	52.4	63.6	76.4	90.6	116.0	75.6	77.9	70.4	47.2
87.5°	23.2	21.0	24.7	24.0	21.0	27.0	20.2	24.0	28.4	18.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1313.8
1309.4
1292.9
1274.9
1266.7
1266.7
1271.9
1281.7
1291.4
1295.9
1300.4
1311.6
1337.1
1376.7
1440.4
1528.7
1638.7
1778.7
1944.2
2132.8
2359.7
2634.4
2963.1
3335.9
3711.7
4148.2
4572.6
4773.3
4512.7
3568.7
2022.0
635.6
184.2
95.8
49.4
17.2
0.0

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