

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: P948358

Luminaire Tested: **GALN-SB3B-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948358
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-SB3B-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12821 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

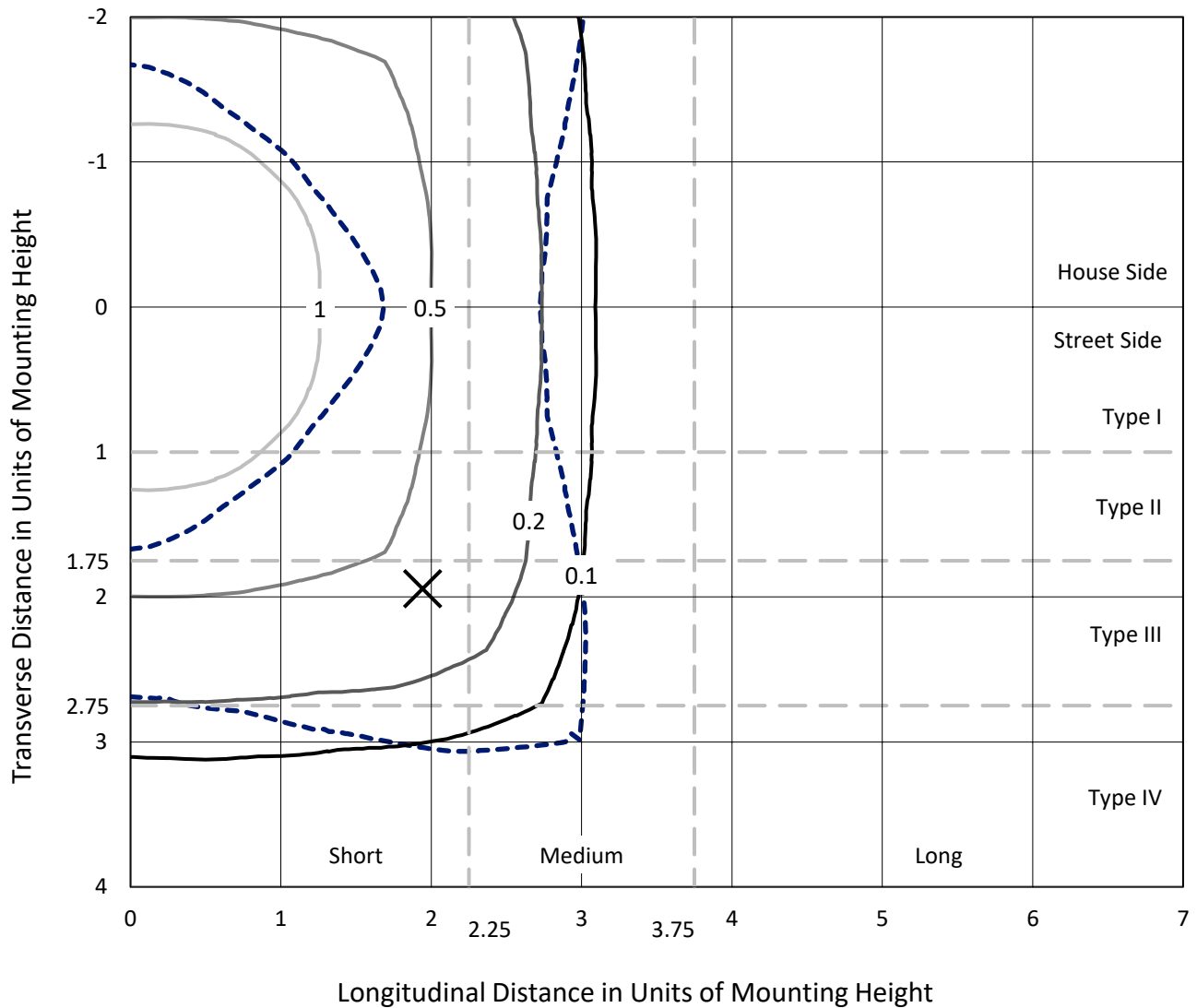
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

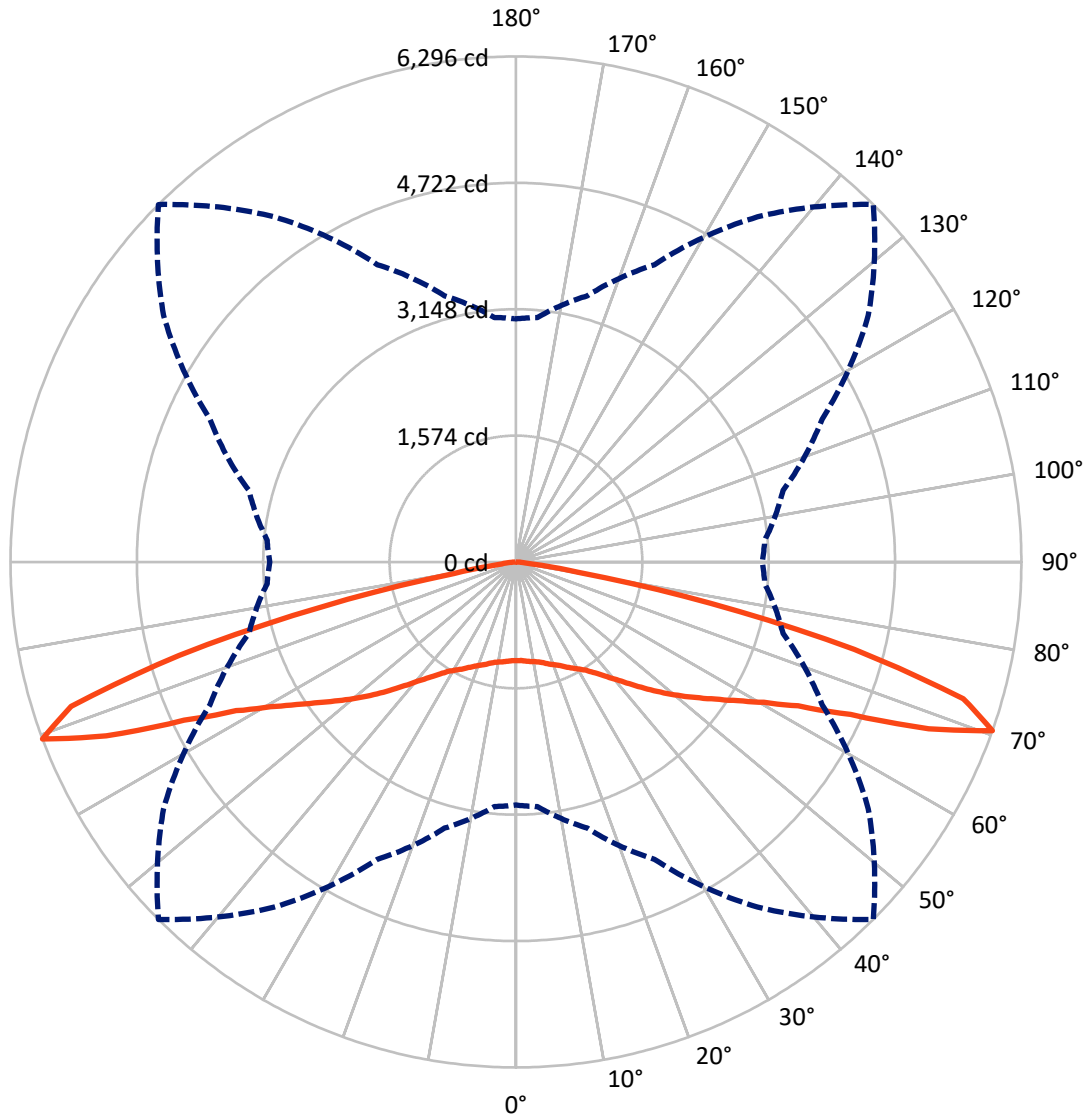
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	6410.5	0.0	6410.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6410.5	0.0	6410.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12821.0	0.0	12821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	0.9
10°-20°	370.0	2.9
20°-30°	661.2	5.2
30°-40°	1071.8	8.4
40°-50°	1745.7	13.6
50°-60°	2661.7	20.8
60°-70°	3959.7	30.9
70°-80°	2158.2	16.8
80°-90°	73.5	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°	12821.0	100.0
0°-180°	12821.0	100.0

Coefficient of Utilization



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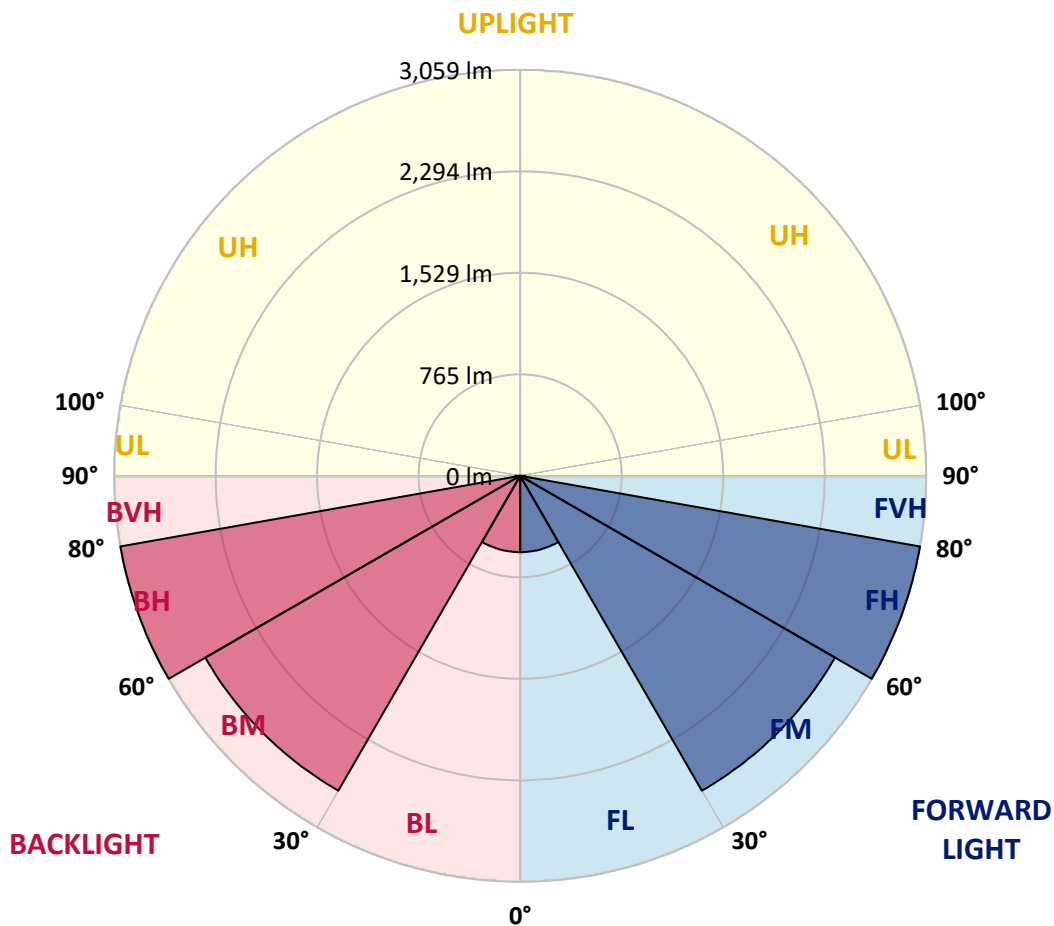
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.2	4.5			
FM (30°-60°)	2739.6	21.4			
FH (60°-80°)	3058.9	23.9			G2/5000
FVH (80°-90°)	36.7	0.3			G1/100
BL (0°-30°)	575.2	4.5	B2/1000		
BM (30°-60°)	2739.6	21.4	B3/5000		
BH (60°-80°)	3058.9	23.9	B4/5000		G2/5000
BVH (80°-90°)	36.7	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°
0°	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1
2.5°	1233.9	1235.2	1232.6	1231.3	1230.1	1228.1	1228.8	1232.0	1234.6	1233.9
5°	1244.2	1245.5	1243.6	1242.9	1240.3	1239.7	1239.7	1242.9	1244.9	1243.6
7.5°	1255.8	1257.7	1254.5	1253.9	1252.6	1251.3	1250.6	1253.9	1255.8	1255.8
10°	1266.7	1268.7	1266.1	1264.2	1262.9	1262.9	1261.6	1264.2	1267.4	1266.7
12.5°	1278.3	1279.6	1277.0	1275.8	1275.8	1277.7	1275.8	1277.0	1279.6	1278.3
15°	1292.5	1293.1	1292.5	1294.4	1297.6	1304.1	1298.3	1297.0	1298.3	1295.1
17.5°	1311.8	1313.1	1315.7	1320.2	1324.7	1336.3	1326.0	1322.7	1322.7	1316.3
20°	1335.6	1337.5	1341.4	1349.1	1354.9	1365.9	1355.6	1351.1	1349.1	1340.8
22.5°	1360.7	1363.9	1369.7	1380.0	1390.3	1400.6	1390.3	1382.6	1376.8	1365.9
25°	1389.7	1393.5	1402.6	1419.3	1433.4	1448.3	1436.0	1420.6	1409.0	1393.5
27.5°	1430.9	1435.4	1446.3	1466.9	1484.9	1497.8	1486.2	1466.3	1450.2	1431.5
30°	1488.8	1493.3	1506.2	1528.1	1540.3	1548.7	1540.9	1525.5	1506.2	1484.9
32.5°	1563.5	1569.3	1583.4	1604.0	1606.6	1607.9	1605.3	1597.6	1583.4	1557.7
35°	1658.1	1664.5	1680.6	1697.4	1694.8	1697.4	1693.5	1690.9	1680.6	1651.0
37.5°	1773.9	1781.7	1798.4	1811.3	1804.8	1801.6	1802.3	1802.9	1797.1	1764.3
40°	1908.5	1918.8	1931.0	1944.5	1933.6	1923.9	1930.4	1935.5	1930.4	1896.9
42.5°	2046.9	2061.7	2074.5	2093.9	2084.8	2072.6	2081.6	2087.4	2076.5	2040.4
45°	2200.7	2214.9	2231.6	2260.6	2254.1	2241.3	2254.1	2255.4	2236.7	2194.3
47.5°	2359.7	2374.5	2399.6	2438.2	2435.6	2421.5	2438.2	2429.2	2405.4	2354.5
50°	2510.3	2530.9	2569.5	2623.6	2628.7	2611.4	2633.9	2616.5	2576.6	2512.9
52.5°	2651.9	2673.8	2734.9	2808.3	2827.0	2804.5	2834.7	2804.5	2744.6	2662.9
55°	2800.6	2825.1	2897.8	2993.7	3031.0	3014.3	3042.6	2996.9	2912.0	2812.8
57.5°	2975.7	2990.5	3077.4	3191.3	3254.4	3258.2	3271.1	3193.9	3090.9	2978.3
60°	3165.6	3186.2	3280.8	3417.2	3517.0	3549.2	3535.7	3421.1	3301.4	3172.0
62.5°	3408.9	3431.4	3544.7	3708.2	3865.9	3945.7	3892.9	3726.8	3578.8	3423.7
65°	3610.3	3635.4	3840.1	4131.7	4418.8	4579.1	4446.5	4140.7	3874.2	3655.4
67.5°	3464.2	3495.1	3816.3	4351.8	5065.7	5543.9	5090.1	4417.5	3895.5	3598.7
70°	3027.8	3056.8	3431.4	4086.0	5247.8	6295.7	5357.3	4206.4	3443.6	3111.5
72.5°	2010.2	2103.5	2482.6	3267.9	4685.9	5825.8	4732.2	3201.6	2303.0	2005.7
75°	666.8	741.5	1000.3	1694.1	3138.5	4357.0	2987.9	1499.1	792.4	570.3
77.5°	168.0	193.7	267.1	484.7	1251.9	2480.7	1127.1	395.9	215.6	150.6
80°	81.7	90.1	128.7	161.6	313.5	788.5	294.2	151.9	101.7	78.5
82.5°	45.1	45.7	72.7	91.4	116.5	204.0	121.0	88.8	58.6	47.6
85°	27.7	27.0	38.6	48.9	48.9	72.7	57.9	48.9	33.5	29.6
87.5°	10.9	10.9	14.2	15.4	13.5	18.7	14.8	16.1	12.9	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1228.1
1234.6
1244.2
1255.8
1266.7
1277.7
1295.1
1316.3
1340.8
1365.2
1392.9
1430.9
1484.9
1558.3
1651.0
1764.3
1896.9
2043.0
2198.8
2351.3
2511.6
2655.1
2799.3
2962.8
3151.4
3396.6
3619.3
3554.3
3067.1
1940.7
539.4
134.5
72.1
47.6
30.9
12.9
0.0

OF REPORT)