

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: P948002

Luminaire Tested: **GALN-SB3A-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948002
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-SB3A-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10220 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

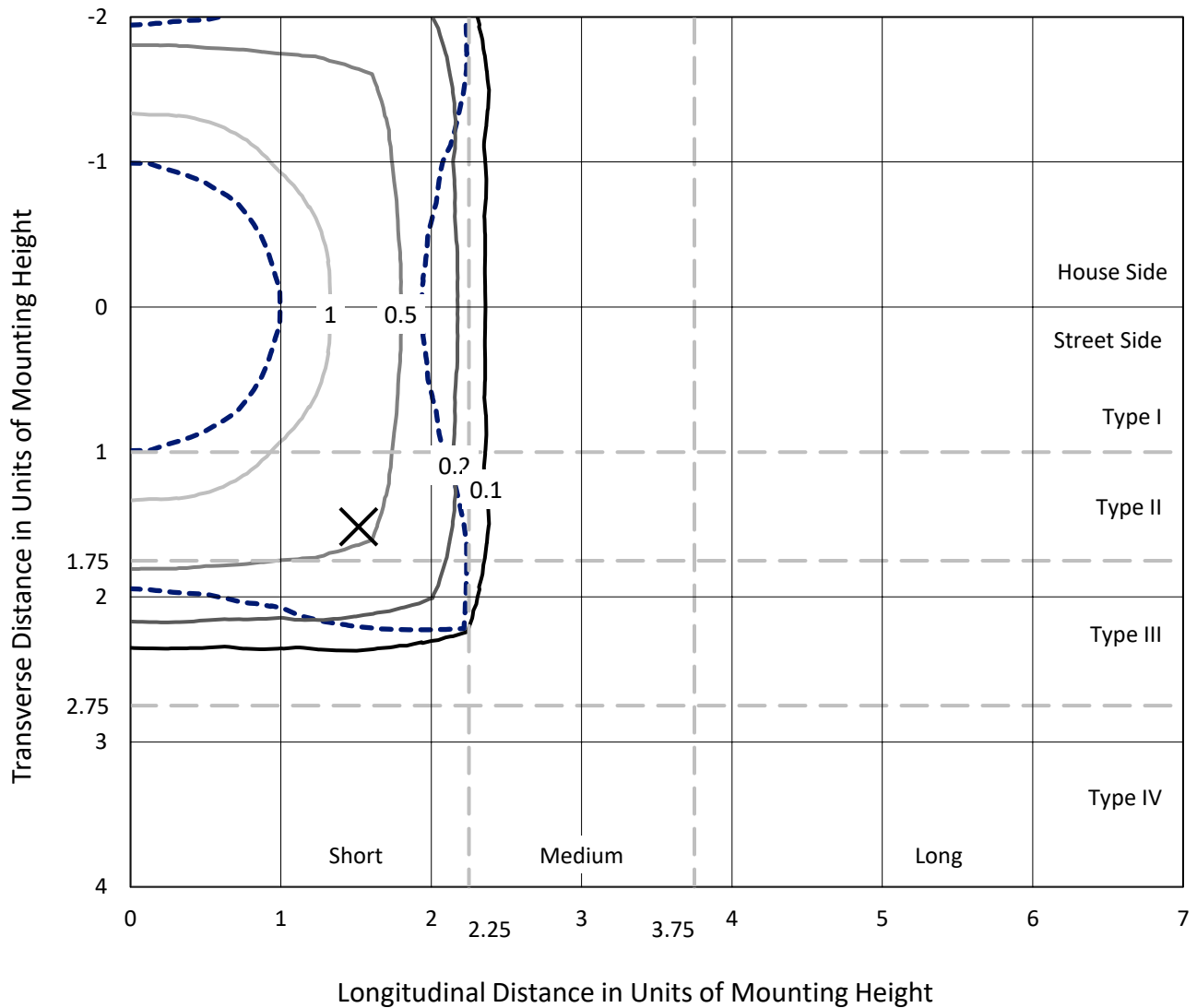
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

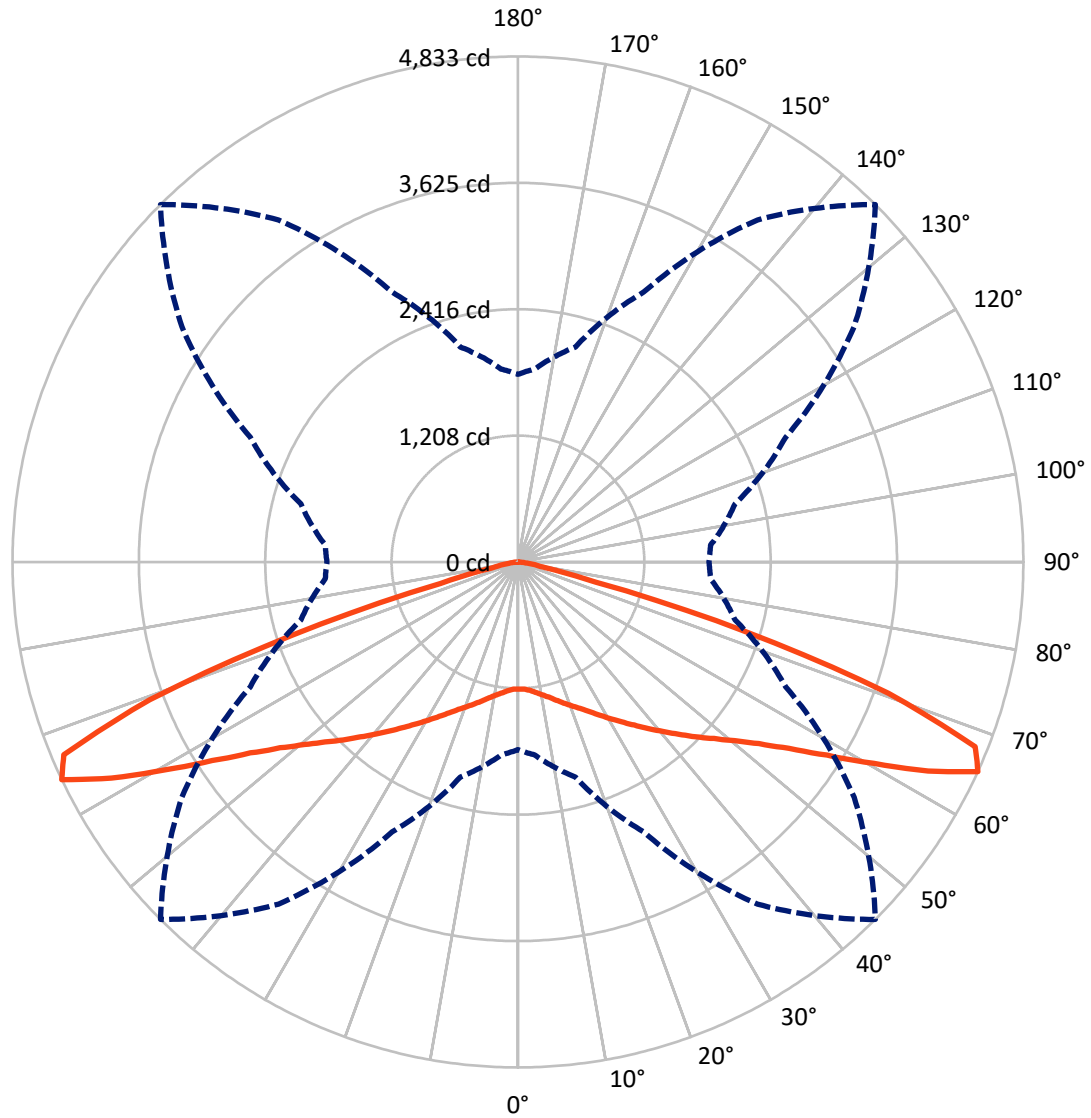
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5110.0	0.0	5110.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5110.0	0.0	5110.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10220.0	0.0	10220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	1.2
10°-20°	391.7	3.8
20°-30°	739.5	7.2
30°-40°	1211.0	11.8
40°-50°	1877.6	18.4
50°-60°	2773.7	27.1
60°-70°	2640.3	25.8
70°-80°	426.1	4.2
80°-90°	40.2	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°	10220.0	100.0
0°-180°	10220.0	100.0

Coefficient of Utilization



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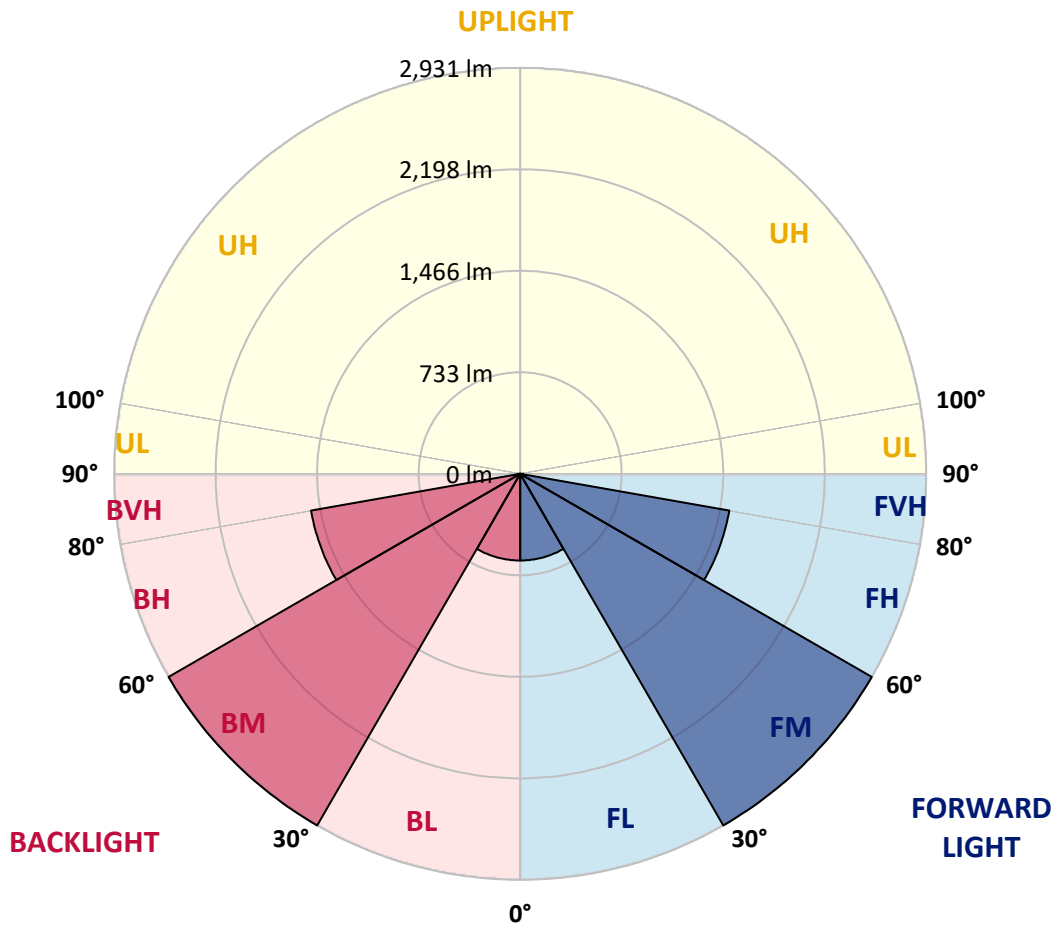
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.6	6.1			
FM (30°-60°)	2931.1	28.7			
FH (60°-80°)	1533.2	15.0			G1/1800
FVH (80°-90°)	20.1	0.2			G1/100
BL (0°-30°)	625.6	6.1	B2/1000		
BM (30°-60°)	2931.1	28.7	B3/5000		
BH (60°-80°)	1533.2	15.0	B3/2500		G1/1800
BVH (80°-90°)	20.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3
2.5°	1224.5	1220.4	1223.5	1220.9	1218.8	1216.8	1217.8	1221.4	1222.9	1223.5
5°	1240.9	1237.3	1238.8	1238.8	1235.3	1234.2	1234.7	1237.3	1240.4	1240.4
7.5°	1267.6	1264.0	1267.6	1265.5	1262.4	1261.4	1260.9	1262.9	1267.6	1267.6
10°	1299.9	1295.8	1297.8	1296.8	1293.2	1291.7	1291.1	1294.2	1298.3	1297.8
12.5°	1335.2	1330.6	1333.2	1330.1	1329.1	1327.6	1327.6	1327.0	1329.6	1327.6
15°	1374.7	1371.7	1372.7	1370.6	1372.2	1371.1	1367.0	1365.0	1366.0	1362.9
17.5°	1421.4	1414.2	1417.8	1416.8	1416.8	1418.8	1412.2	1409.6	1411.6	1408.6
20°	1475.2	1468.1	1469.6	1467.5	1465.0	1467.0	1458.8	1460.9	1462.4	1460.4
22.5°	1534.2	1525.0	1524.5	1525.5	1519.8	1520.4	1514.7	1519.8	1522.9	1517.3
25°	1594.7	1585.0	1591.6	1589.1	1581.9	1583.4	1579.3	1584.4	1587.0	1579.8
27.5°	1658.8	1652.1	1658.3	1659.8	1651.1	1657.3	1651.1	1655.7	1658.3	1647.5
30°	1733.7	1727.0	1732.6	1736.7	1726.5	1736.2	1731.1	1734.2	1734.7	1721.9
32.5°	1815.2	1804.9	1819.3	1821.3	1810.1	1821.9	1815.2	1819.3	1821.9	1804.4
35°	1914.7	1901.9	1918.3	1915.7	1906.0	1915.7	1909.5	1915.7	1921.8	1900.8
37.5°	2021.8	2008.5	2025.9	2021.3	2012.1	2018.8	2015.2	2019.3	2029.0	2006.5
40°	2139.8	2123.4	2147.0	2138.7	2130.0	2129.0	2131.1	2133.6	2146.4	2121.3
42.5°	2265.9	2248.5	2283.9	2271.0	2258.7	2250.5	2257.2	2262.3	2274.6	2246.4
45°	2410.0	2390.0	2436.2	2420.8	2401.3	2384.4	2395.1	2402.8	2420.8	2386.9
47.5°	2569.0	2546.4	2595.6	2591.0	2559.2	2522.3	2546.9	2569.0	2582.3	2541.3
50°	2724.3	2706.9	2771.5	2777.1	2738.2	2686.4	2720.7	2754.1	2757.7	2703.8
52.5°	2870.0	2852.5	2946.4	2981.7	2946.9	2885.3	2921.7	2955.6	2928.4	2858.7
55°	2986.4	2972.0	3091.5	3182.7	3194.5	3143.8	3165.3	3164.3	3075.1	2967.9
57.5°	3014.6	3012.5	3163.3	3356.6	3479.6	3485.8	3443.2	3334.5	3142.2	2998.1
60°	2886.4	2899.2	3106.3	3447.3	3775.5	3911.9	3727.8	3417.6	3065.8	2865.9
62.5°	2502.8	2536.7	2786.4	3336.6	4014.4	4402.1	3956.0	3291.4	2752.0	2491.0
65°	1793.7	1852.6	2128.5	2847.4	3992.9	4832.8	3923.2	2824.3	2149.0	1848.0
67.5°	813.8	873.8	1108.1	1949.5	3470.9	4715.9	3462.7	1970.0	1163.5	876.8
70°	294.8	305.1	380.5	780.4	2218.2	3757.6	2313.1	786.1	404.6	325.1
72.5°	178.4	180.0	195.9	279.5	770.7	2281.3	803.5	288.7	200.0	177.4
75°	113.3	112.3	139.5	170.8	273.3	769.7	286.6	170.8	139.0	126.7
77.5°	81.5	84.1	100.0	127.7	172.3	261.0	169.2	122.0	100.0	82.0
80°	61.0	62.6	72.8	99.5	121.0	162.5	107.7	90.2	75.4	51.3
82.5°	44.1	44.1	47.7	72.3	73.8	87.7	58.5	63.6	49.7	36.4
85°	26.2	25.6	29.7	43.1	38.5	32.3	26.7	39.0	31.3	22.6
87.5°	9.2	9.7	9.2	12.3	10.3	8.7	8.2	10.8	8.7	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1216.3
1223.5
1240.4
1266.0
1296.8
1328.6
1363.4
1411.1
1465.0
1522.9
1588.0
1655.7
1729.6
1816.2
1913.6
2020.3
2129.5
2261.3
2404.4
2555.1
2710.5
2860.7
2971.5
2988.9
2842.3
2475.6
1826.0
864.0
321.0
180.5
127.7
83.6
52.8
36.4
22.0
7.2
0.0

OF REPORT)