

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: P948005

Luminaire Tested: **GALN-SB3A-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10043 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

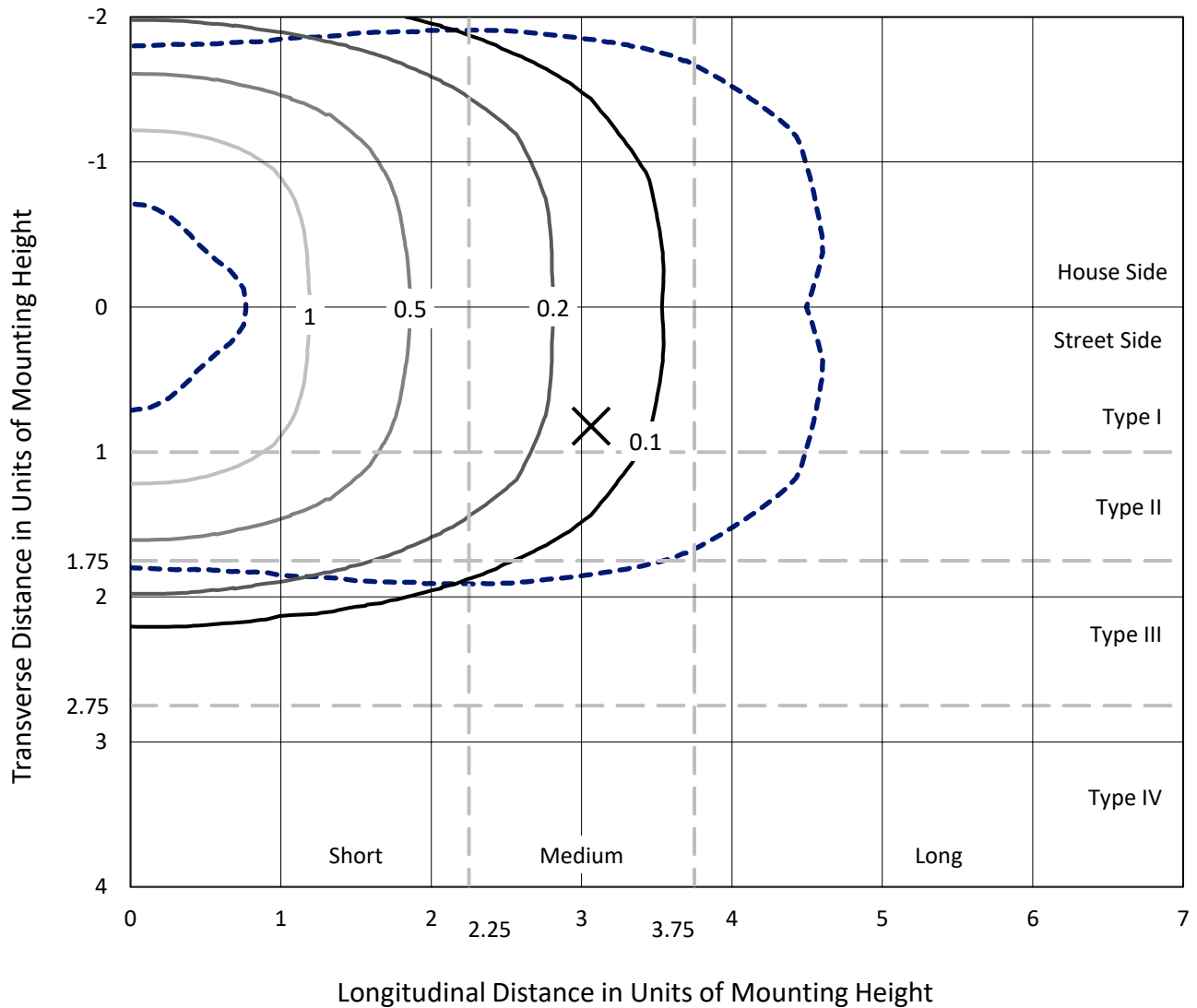
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

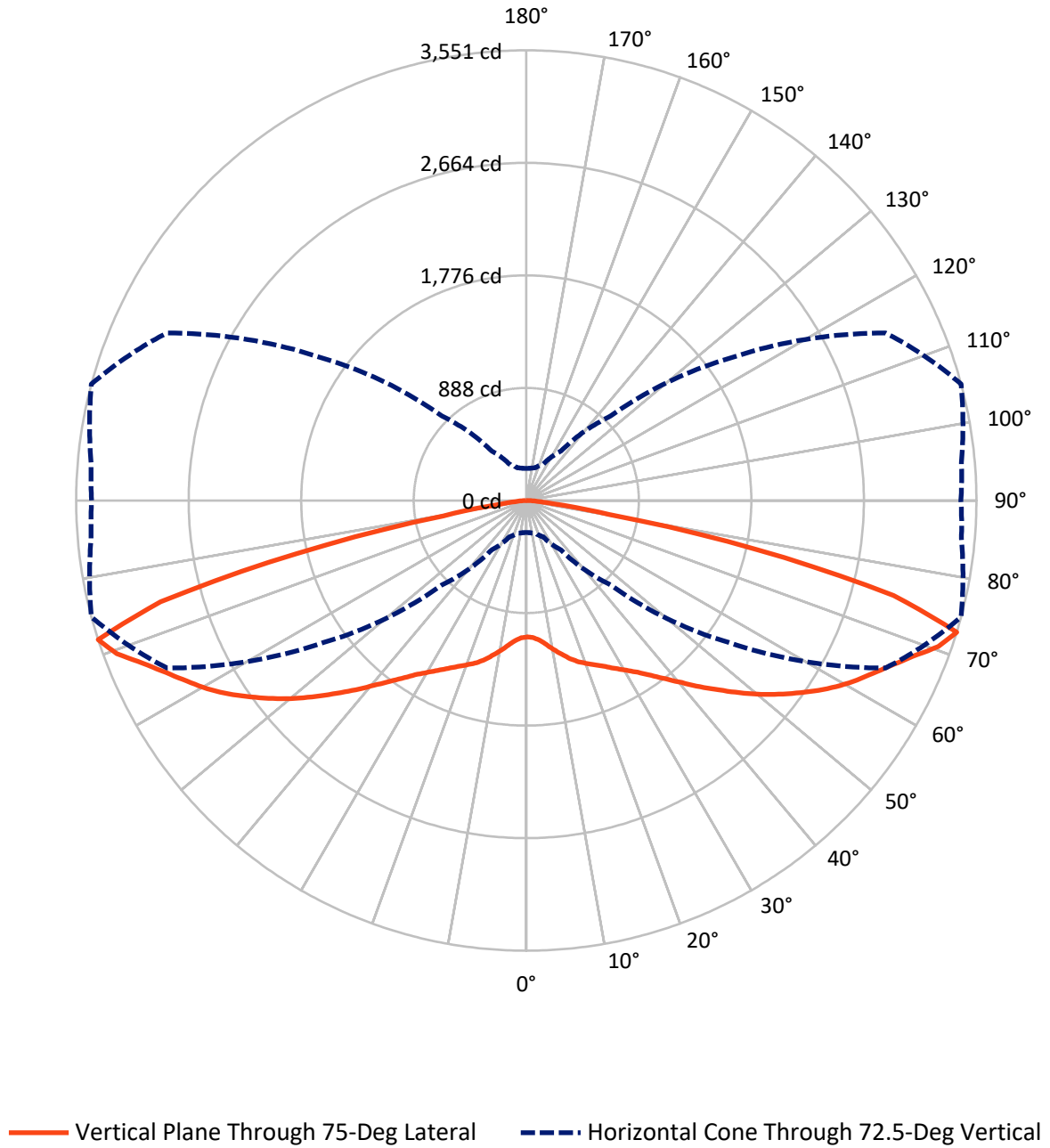
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5021.5	0.0	5021.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5021.5	0.0	5021.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10043.0	0.0	10043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	1.0
10°-20°	347.6	3.5
20°-30°	671.6	6.7
30°-40°	1134.1	11.3
40°-50°	1798.5	17.9
50°-60°	2408.0	24.0
60°-70°	2291.6	22.8
70°-80°	1195.8	11.9
80°-90°	90.5	0.9
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°	10043.0	100.0
0°-180°	10043.0	100.0

Coefficient of Utilization



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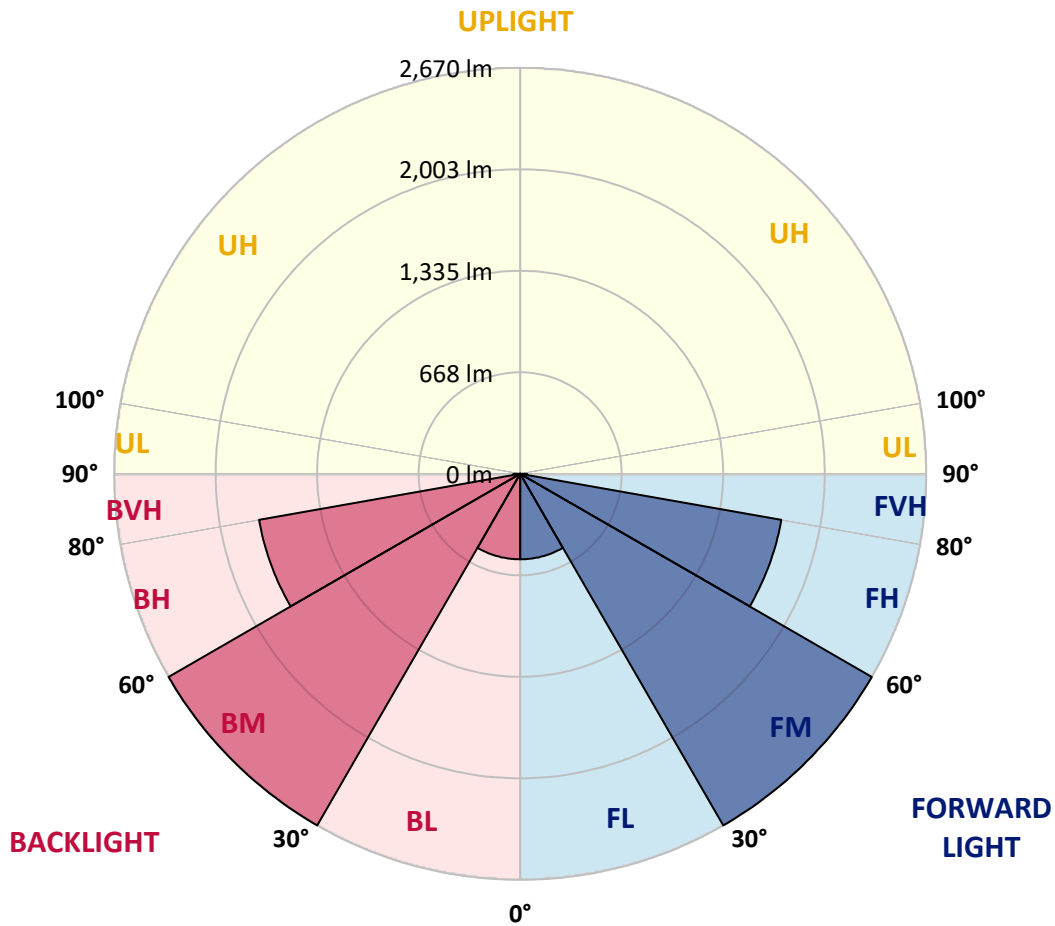
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	562.3	5.6			
FM (30°-60°)	2670.3	26.6			
FH (60°-80°)	1743.7	17.4			G1/1800
FVH (80°-90°)	45.3	0.5			G1/100
BL (0°-30°)	562.3	5.6	B2/1000		
BM (30°-60°)	2670.3	26.6	B3/5000		
BH (60°-80°)	1743.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	45.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1075.8	1075.8	1075.8	1075.8	1075.8	1075.8	1075.8	1075.8	1075.8	1075.8
2.5°	1075.8	1074.8	1075.8	1076.8	1076.3	1076.3	1078.9	1080.4	1083.5	1083.0
5°	1068.6	1068.1	1072.2	1076.8	1080.4	1086.6	1094.2	1099.9	1107.1	1108.6
7.5°	1065.0	1063.5	1070.7	1078.9	1090.1	1105.5	1120.4	1135.8	1148.1	1152.2
10°	1067.6	1068.1	1077.8	1093.2	1111.2	1132.7	1153.7	1179.9	1197.3	1201.4
12.5°	1079.4	1078.3	1094.8	1119.4	1144.0	1171.2	1195.8	1224.5	1243.5	1253.2
15°	1100.9	1098.9	1121.9	1158.3	1194.2	1226.0	1246.0	1273.2	1295.2	1307.6
17.5°	1126.5	1127.6	1157.8	1205.0	1252.2	1288.1	1307.0	1320.9	1337.8	1348.6
20°	1171.7	1173.7	1207.6	1263.5	1317.3	1358.3	1373.7	1368.6	1373.2	1381.4
22.5°	1232.2	1233.2	1271.1	1331.7	1388.1	1433.2	1443.4	1422.4	1409.6	1415.2
25°	1302.4	1309.1	1347.0	1409.1	1467.0	1510.1	1514.7	1482.9	1451.1	1452.7
27.5°	1388.1	1394.2	1432.7	1494.2	1553.2	1590.6	1590.1	1547.5	1500.9	1489.1
30°	1480.9	1487.5	1527.0	1590.6	1645.5	1678.3	1671.1	1620.3	1553.7	1531.6
32.5°	1591.1	1595.2	1635.2	1698.8	1749.6	1775.7	1760.8	1698.3	1615.2	1590.1
35°	1724.4	1730.6	1760.3	1820.3	1864.9	1886.5	1861.3	1787.5	1694.2	1666.0
37.5°	1876.7	1872.6	1906.5	1959.8	1996.7	2010.0	1975.7	1888.0	1784.4	1751.1
40°	2035.7	2033.6	2070.6	2121.8	2141.8	2150.0	2099.3	2003.4	1888.5	1852.6
42.5°	2179.8	2178.2	2228.0	2284.9	2309.0	2299.8	2235.7	2125.9	2009.0	1968.0
45°	2295.1	2293.1	2354.1	2434.1	2481.3	2465.9	2379.8	2261.3	2131.1	2088.5
47.5°	2383.9	2384.9	2450.5	2549.5	2632.0	2637.7	2526.9	2399.2	2265.4	2217.2
50°	2447.9	2451.0	2521.3	2631.0	2743.8	2793.6	2677.2	2540.8	2404.4	2350.0
52.5°	2463.8	2469.5	2554.1	2682.8	2815.6	2910.5	2830.0	2676.6	2536.1	2484.4
55°	2379.2	2390.5	2497.7	2678.7	2859.7	2987.4	2964.3	2814.6	2669.0	2615.6
57.5°	2184.9	2200.8	2325.9	2562.3	2850.0	3040.2	3068.4	2946.9	2801.8	2750.5
60°	1912.6	1931.6	2051.6	2309.5	2712.5	3059.7	3141.7	3075.6	2923.8	2874.1
62.5°	1501.9	1526.5	1670.1	1972.6	2422.3	2968.9	3204.3	3192.0	3033.5	2971.5
65°	963.5	989.6	1140.9	1498.3	2035.2	2691.0	3223.8	3305.3	3149.4	3062.8
67.5°	581.0	592.8	667.6	908.1	1487.5	2272.1	3058.7	3430.9	3284.8	3177.1
70°	371.8	378.4	423.0	533.3	840.9	1657.8	2649.5	3454.5	3448.9	3294.5
72.5°	252.3	254.3	266.1	315.9	475.8	942.0	1954.2	3127.4	3551.4	3445.8
75°	184.6	195.9	214.8	223.6	270.2	470.7	1119.9	2197.2	2993.0	3039.2
77.5°	137.4	137.9	164.1	174.3	192.8	250.7	473.8	1226.5	1858.3	1951.1
80°	116.4	110.2	109.7	140.5	145.1	156.4	211.8	423.5	665.6	403.5
82.5°	96.9	90.2	81.5	109.7	99.0	95.9	91.8	172.3	211.8	104.1
85°	67.7	64.6	61.5	71.8	56.4	48.2	44.1	80.5	89.2	44.1
87.5°	29.2	30.3	30.8	31.8	23.6	16.9	16.9	22.6	22.6	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1075.8
1082.5
1108.6
1153.2
1205.5
1257.3
1312.2
1353.7
1387.5
1419.3
1455.2
1492.7
1534.2
1596.2
1670.1
1757.3
1864.4
1978.3
2098.2
2231.6
2366.4
2497.7
2630.5
2762.3
2884.8
2978.7
3073.5
3185.3
3293.5
3429.4
2927.4
1740.3
305.1
88.7
39.0
12.8
0.0

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