

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: FAIL-SAFE

Report Number: P837720

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-3STD-20-120-EDD**

Issue Date: 5/21/2024

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-79-08
Report Number: P837720
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-12-4-INS-ASY2R-LD4-3STD-20-120-EDD
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

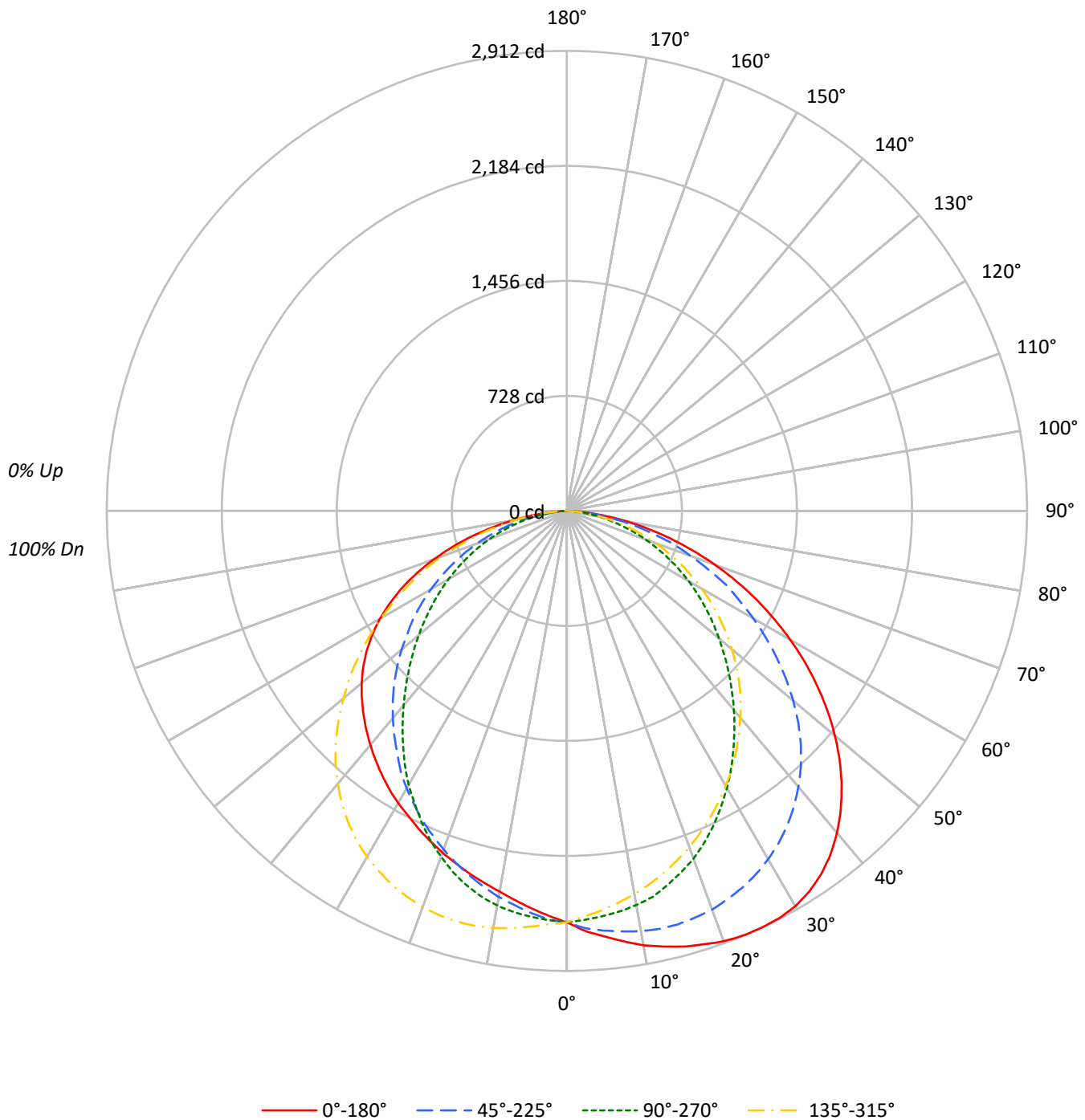
Lumens per Lamp: N/A
Luminaire Lumens: 7639.7 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 99.9
Input Voltage (V): 120
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: 25 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70		
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59		
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7007	7007	7007	7007
5°	7303	6957	6826	6968
10°	7628	6921	6687	6931
15°	7955	6833	6622	6835
20°	8302	6709	6592	6671
25°	8646	6521	6592	6455
30°	8980	6294	6636	6224
35°	9219	6036	6703	5940
40°	9341	5776	6796	5646
45°	9360	5513	6928	5374
50°	9271	5261	7097	5121
55°	9079	5027	7256	4887
60°	8794	4782	7352	4659
65°	8401	4502	7314	4397
70°	7847	4172	7054	4095
75°	7061	3720	6473	3700
80°	5986	3116	5441	3163
85°	4162	2062	3452	2118

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.2	3.2
10°-20°	715.9	9.4
20°-30°	1097.2	14.4
30°-40°	1334.1	17.5
40°-50°	1386.9	18.2
50°-60°	1252.8	16.4
60°-70°	952.4	12.5
70°-80°	531.0	7.0
80°-90°	122.2	1.6
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°-30°	2060.3	27.0
0°-40°	3394.4	44.4
0°-60°	6034.0	79.0
0°-90°	7639.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7639.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2604	2604	2604	2604	2604	
5°	2704	2575	2527	2580	2704	261
15°	2855	2453	2377	2453	2855	810
25°	2912	2196	2220	2174	2912	1345
35°	2806	1837	2040	1808	2806	1753
45°	2459	1449	1820	1412	2459	1894
55°	1935	1072	1546	1042	1935	1728
65°	1319	707	1149	691	1319	1304
75°	679	358	623	356	679	721
85°	135	67	112	69	135	170
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0
2.5°	2661.7	2622.8	2623.4	2657.4	2631.3	2644.1	2607.6	2621.6	2617.3	2620.4	2590.6
5°	2703.6	2661.7	2661.1	2690.2	2661.1	2666.5	2620.4	2629.5	2616.1	2607.6	2575.4
7.5°	2747.9	2706.0	2701.8	2727.3	2689.0	2684.7	2633.7	2633.7	2609.4	2588.2	2557.8
10°	2791.7	2748.5	2743.1	2762.5	2715.1	2701.1	2639.2	2629.5	2597.3	2565.7	2532.9
12.5°	2824.5	2780.7	2776.5	2788.6	2735.2	2709.7	2639.2	2620.4	2573.0	2528.6	2503.1
15°	2855.4	2810.5	2798.9	2805.0	2743.7	2709.7	2630.7	2601.5	2540.8	2482.5	2452.7
17.5°	2877.3	2834.2	2822.6	2822.0	2747.9	2699.3	2612.5	2572.4	2499.5	2429.0	2399.3
20°	2899.2	2856.0	2841.5	2830.5	2746.7	2685.4	2585.7	2531.7	2446.6	2367.7	2342.8
22.5°	2910.1	2865.8	2850.0	2833.6	2738.8	2659.8	2552.9	2484.3	2387.1	2293.0	2272.3
25°	2911.9	2866.4	2849.4	2825.7	2723.0	2629.5	2510.4	2427.2	2318.5	2214.0	2196.4
27.5°	2907.1	2857.3	2840.2	2811.7	2699.3	2592.4	2460.0	2362.2	2245.6	2130.2	2111.4
30°	2890.1	2839.6	2823.2	2786.2	2665.9	2546.9	2404.7	2289.9	2164.8	2042.1	2025.7
32.5°	2856.0	2806.8	2793.5	2756.4	2629.5	2494.0	2340.3	2212.2	2075.5	1958.3	1934.0
35°	2806.2	2757.0	2748.5	2709.7	2578.5	2430.9	2269.9	2127.1	1980.8	1861.1	1837.4
37.5°	2741.2	2699.9	2687.2	2648.9	2518.3	2359.2	2189.1	2034.8	1884.2	1755.4	1740.8
40°	2659.2	2620.4	2610.6	2576.6	2448.5	2279.6	2101.6	1939.5	1784.6	1664.9	1644.3
42.5°	2565.7	2529.3	2523.8	2488.6	2362.2	2191.5	2006.9	1840.5	1680.7	1565.3	1544.6
45°	2459.4	2424.2	2423.0	2389.5	2268.1	2093.7	1907.3	1740.2	1579.3	1459.6	1448.7
47.5°	2342.2	2310.6	2310.6	2279.6	2163.0	1986.2	1804.6	1635.8	1477.2	1371.5	1352.1
50°	2214.6	2184.9	2175.7	2160.6	2047.0	1869.0	1696.5	1533.7	1376.4	1275.6	1256.7
52.5°	2078.6	2053.0	2059.1	2031.2	1921.2	1746.9	1587.2	1418.9	1275.0	1183.2	1164.4
55°	1935.2	1898.8	1904.2	1893.9	1790.0	1621.2	1464.5	1324.2	1175.3	1089.1	1071.5
57.5°	1786.4	1739.0	1758.5	1752.4	1650.3	1492.4	1352.1	1216.6	1076.3	996.8	979.8
60°	1633.9	1588.4	1608.4	1603.0	1507.0	1363.6	1236.1	1110.3	977.9	905.6	888.6
62.5°	1477.2	1435.3	1453.5	1449.3	1361.2	1231.8	1120.7	1005.3	878.9	813.9	798.1
65°	1319.3	1279.2	1295.6	1292.6	1211.2	1112.8	1002.2	896.5	779.3	722.8	707.0
67.5°	1157.7	1120.7	1135.9	1135.9	1061.1	967.0	883.2	786.6	681.5	632.9	618.3
70°	997.4	962.7	976.1	974.9	911.7	835.2	762.9	676.7	582.5	542.4	530.3
72.5°	835.8	805.4	817.6	816.4	763.5	714.3	642.6	567.9	485.9	453.7	442.8
75°	679.1	650.5	662.1	660.9	617.7	571.6	523.6	461.6	391.2	368.7	357.8
77.5°	529.7	500.5	510.2	510.2	478.6	445.2	407.0	359.0	309.2	284.9	277.0
80°	386.3	372.3	367.5	368.1	346.8	325.0	305.5	259.4	222.9	206.5	201.1
82.5°	253.9	242.4	237.5	238.7	226.6	213.2	201.1	168.9	144.6	134.8	131.8
85°	134.8	126.3	122.1	125.1	122.7	115.4	109.3	87.5	72.3	68.6	66.8
87.5°	42.5	37.1	34.0	44.9	38.3	34.0	32.8	26.1	20.0	20.0	19.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0
2.5°	2600.3	2600.3	2576.6	2571.2	2568.7	2571.8	2548.1	2543.8	2577.8	2566.3	2540.2
5°	2579.7	2578.5	2545.0	2539.0	2539.0	2535.3	2508.6	2502.5	2536.5	2526.8	2498.3
7.5°	2554.2	2550.5	2511.0	2506.8	2500.7	2498.3	2468.5	2464.3	2493.4	2487.3	2460.6
10°	2523.2	2519.5	2472.8	2469.7	2463.0	2458.2	2430.2	2427.2	2457.0	2447.3	2426.0
12.5°	2482.5	2475.8	2427.8	2424.8	2419.3	2417.5	2390.2	2388.9	2421.7	2412.0	2389.5
15°	2429.0	2423.6	2370.1	2371.3	2371.9	2371.9	2350.1	2348.9	2381.0	2376.8	2352.5
17.5°	2370.1	2362.8	2311.8	2315.4	2319.7	2324.6	2307.5	2310.6	2344.6	2339.1	2317.3
20°	2303.3	2296.0	2246.2	2256.5	2265.6	2275.4	2264.4	2272.9	2304.5	2302.1	2285.7
22.5°	2228.6	2221.3	2175.1	2190.9	2206.1	2224.3	2219.5	2229.2	2262.6	2262.0	2247.4
25°	2137.5	2139.3	2098.6	2118.0	2143.5	2169.1	2170.9	2186.7	2223.7	2220.1	2206.7
27.5°	2052.4	2054.9	2011.7	2044.5	2078.6	2111.4	2119.3	2141.1	2178.8	2175.7	2164.2
30°	1963.1	1966.2	1924.3	1969.2	2010.5	2050.6	2067.6	2097.4	2135.7	2135.7	2123.5
32.5°	1870.2	1875.7	1831.9	1892.1	1940.1	1986.8	2016.6	2047.6	2091.3	2090.1	2079.8
35°	1774.9	1780.9	1740.8	1817.4	1865.4	1922.5	1959.5	2000.8	2039.7	2040.3	2032.4
37.5°	1677.7	1685.0	1648.5	1732.3	1787.0	1854.4	1901.8	1943.1	1986.2	1988.7	1981.4
40°	1581.1	1589.0	1557.4	1638.2	1707.4	1782.7	1837.4	1886.0	1933.4	1934.6	1929.7
42.5°	1484.5	1493.0	1469.3	1548.3	1626.6	1707.4	1771.8	1827.1	1875.7	1878.7	1873.3
45°	1390.4	1397.6	1380.6	1466.9	1542.2	1630.3	1704.4	1767.0	1816.2	1820.4	1818.6
47.5°	1296.8	1303.5	1288.3	1367.3	1454.1	1547.7	1633.3	1702.6	1754.8	1759.7	1758.5
50°	1205.1	1210.6	1194.2	1276.8	1363.0	1462.6	1551.9	1632.1	1690.4	1695.3	1694.7
52.5°	1114.0	1119.5	1105.5	1192.3	1270.7	1375.8	1473.0	1559.8	1617.5	1624.8	1626.0
55°	1025.9	1028.3	1017.4	1100.6	1176.6	1286.5	1398.3	1482.7	1540.4	1546.5	1550.1
57.5°	937.8	938.4	929.3	1008.9	1081.8	1194.2	1311.4	1400.1	1454.7	1460.8	1466.3
60°	850.4	849.8	839.4	916.6	986.4	1097.6	1219.7	1307.8	1360.6	1366.1	1373.4
62.5°	763.5	761.7	752.6	823.6	889.2	999.2	1121.9	1206.9	1257.3	1261.0	1270.7
65°	677.3	675.4	666.9	732.5	792.1	897.1	1017.4	1098.2	1143.8	1148.6	1146.8
67.5°	592.2	588.6	581.9	640.8	694.9	792.1	907.5	984.6	1022.3	1026.5	1038.1
70°	507.2	502.9	487.7	550.3	597.7	684.6	792.1	860.7	892.3	896.5	894.7
72.5°	423.4	419.1	402.7	460.4	500.5	576.4	672.4	729.5	756.8	760.5	760.5
75°	342.0	339.5	329.2	372.9	406.4	468.3	549.7	597.1	618.3	622.6	621.4
77.5°	263.6	261.8	251.5	289.1	315.2	361.4	427.0	464.1	479.9	484.7	495.0
80°	188.9	188.3	171.9	208.9	220.5	259.4	307.3	335.9	344.4	351.1	358.4
82.5°	120.9	121.5	105.1	136.7	141.5	166.4	196.2	213.8	219.9	225.3	230.8
85°	58.9	61.3	52.2	72.3	72.9	85.6	98.4	105.1	107.5	111.8	116.6
87.5°	15.2	17.6	9.7	20.7	18.2	23.7	27.3	29.2	28.5	31.6	33.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0
2.5°	2548.7	2568.1	2558.4	2590.0	2602.1	2582.7	2616.7	2617.3	2593.0	2621.6	2637.4
5°	2509.2	2529.3	2523.2	2556.0	2571.2	2554.2	2595.5	2603.4	2579.7	2611.9	2637.4
7.5°	2469.1	2492.8	2484.9	2518.3	2536.5	2523.2	2567.5	2580.3	2562.1	2597.3	2631.3
10°	2434.5	2454.5	2446.0	2481.3	2497.1	2486.1	2529.9	2553.5	2536.5	2579.7	2620.4
12.5°	2400.5	2416.9	2407.2	2436.3	2451.5	2437.5	2491.0	2512.9	2500.7	2545.7	2597.9
15°	2356.7	2375.0	2361.6	2387.7	2399.3	2387.1	2430.9	2468.5	2453.3	2502.5	2560.2
17.5°	2323.3	2333.7	2315.4	2336.1	2342.8	2326.4	2370.7	2407.8	2396.8	2450.3	2517.1
20°	2286.3	2294.8	2269.3	2280.8	2280.2	2259.6	2300.3	2336.7	2329.4	2388.3	2464.3
22.5°	2245.0	2249.2	2219.5	2221.9	2220.7	2186.7	2223.1	2260.2	2257.1	2316.7	2401.7
25°	2201.3	2201.9	2163.6	2162.4	2149.0	2108.9	2141.1	2183.0	2173.9	2238.3	2327.6
27.5°	2158.1	2152.1	2105.9	2095.0	2073.7	2025.7	2054.3	2091.9	2086.5	2149.6	2248.6
30°	2112.0	2104.1	2047.6	2027.5	1996.6	1941.3	1965.0	2000.2	2003.2	2058.5	2162.4
32.5°	2068.2	2048.2	1985.6	1956.5	1917.6	1853.2	1866.0	1901.8	1906.7	1962.5	2069.4
35°	2011.7	1998.4	1921.2	1871.4	1833.2	1762.7	1776.1	1801.0	1808.3	1862.9	1971.7
37.5°	1958.3	1937.0	1855.0	1794.3	1745.1	1671.0	1674.6	1700.1	1707.4	1762.7	1870.2
40°	1903.0	1872.6	1784.6	1713.5	1657.0	1579.3	1575.0	1601.7	1607.2	1661.3	1758.5
42.5°	1844.1	1807.7	1708.6	1630.9	1565.9	1486.9	1478.4	1501.5	1507.6	1560.4	1655.8
45°	1784.6	1740.8	1630.9	1545.9	1474.8	1394.0	1385.5	1403.1	1412.2	1462.0	1553.8
47.5°	1721.4	1670.4	1550.7	1456.0	1382.5	1301.7	1291.4	1309.0	1316.3	1365.5	1452.3
50°	1655.2	1593.2	1468.1	1363.6	1290.7	1211.2	1196.0	1216.6	1223.3	1269.5	1354.5
52.5°	1582.3	1513.7	1380.0	1270.7	1197.8	1121.9	1103.7	1123.7	1131.6	1176.6	1254.9
55°	1505.2	1431.1	1291.4	1185.1	1106.1	1032.0	1016.8	1024.7	1041.7	1084.2	1157.1
57.5°	1418.3	1344.8	1197.8	1089.7	1013.8	942.7	929.9	937.2	953.0	994.3	1059.9
60°	1326.0	1248.2	1102.4	994.3	920.8	853.4	841.9	848.6	865.6	903.2	964.0
62.5°	1234.9	1147.4	1004.0	896.5	829.7	767.2	764.1	761.7	777.5	813.9	867.4
65°	1124.3	1040.5	901.4	799.4	738.6	682.1	670.0	675.4	690.6	724.0	779.9
67.5°	1005.9	929.9	796.3	702.2	648.1	597.7	587.4	589.8	605.6	634.7	683.3
70°	880.1	813.3	688.8	604.4	558.8	511.4	504.8	505.4	520.5	546.1	588.6
72.5°	748.3	688.2	580.1	507.8	470.1	436.1	430.0	422.8	436.7	458.6	495.0
75°	614.1	561.2	472.0	413.0	383.3	354.7	349.3	342.0	355.9	374.8	403.3
77.5°	478.6	436.1	366.9	321.3	298.2	277.0	272.1	264.2	278.2	292.2	314.6
80°	346.2	315.2	273.9	226.0	218.1	204.1	199.2	190.7	204.1	213.2	230.2
82.5°	223.5	202.9	179.2	145.8	144.6	134.2	131.8	122.1	134.2	139.7	152.5
85°	113.0	103.3	97.2	74.1	76.5	69.9	69.2	58.9	68.6	71.1	78.4
87.5°	32.2	34.0	30.4	18.2	23.1	21.9	21.9	15.8	21.9	21.9	24.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P837720

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-3STD-20-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0
2.5°	2606.4	2616.7	2619.1	2618.5	2625.2	2661.7	2649.5	2661.7
5°	2612.5	2635.5	2641.6	2650.1	2661.1	2702.4	2689.0	2703.6
7.5°	2616.1	2650.7	2664.1	2680.5	2698.1	2744.3	2733.3	2747.9
10°	2616.1	2661.1	2680.5	2707.8	2731.5	2785.0	2774.6	2791.7
12.5°	2605.2	2662.9	2690.2	2728.5	2758.9	2816.6	2812.3	2824.5
15°	2582.7	2653.8	2691.4	2740.6	2778.3	2842.7	2840.9	2855.4
17.5°	2552.3	2638.0	2683.5	2745.5	2792.9	2865.2	2869.4	2877.3
20°	2514.1	2608.2	2667.7	2743.7	2803.2	2882.8	2888.2	2899.2
22.5°	2463.7	2572.4	2644.1	2735.8	2804.4	2890.1	2899.8	2910.1
25°	2404.1	2529.3	2613.1	2720.6	2798.3	2889.4	2902.8	2911.9
27.5°	2336.1	2473.4	2573.6	2696.3	2781.3	2879.7	2896.1	2907.1
30°	2257.1	2413.8	2528.6	2664.7	2758.2	2861.5	2879.1	2890.1
32.5°	2175.7	2348.2	2475.2	2624.0	2724.8	2832.4	2847.5	2856.0
35°	2087.1	2268.7	2410.8	2571.8	2681.7	2785.6	2797.1	2806.2
37.5°	1990.5	2182.4	2337.3	2512.9	2621.0	2720.6	2730.9	2741.2
40°	1890.9	2091.9	2254.7	2440.6	2548.7	2641.0	2651.9	2659.2
42.5°	1790.6	1991.7	2166.6	2355.5	2463.0	2551.7	2558.4	2565.7
45°	1689.2	1887.8	2067.6	2261.4	2367.7	2450.9	2453.3	2459.4
47.5°	1585.9	1780.3	1958.9	2153.9	2259.0	2334.9	2337.3	2342.2
50°	1482.1	1672.8	1842.9	2037.9	2140.5	2220.7	2209.8	2214.6
52.5°	1380.0	1559.8	1733.5	1912.7	2014.2	2085.2	2088.3	2078.6
55°	1279.8	1449.3	1609.0	1781.5	1878.1	1933.4	1931.6	1935.2
57.5°	1178.4	1337.5	1483.9	1641.8	1736.0	1788.2	1799.1	1786.4
60°	1075.1	1224.5	1355.7	1498.5	1589.6	1633.3	1646.1	1633.9
62.5°	972.5	1109.7	1228.8	1353.3	1437.7	1491.8	1490.6	1477.2
65°	869.8	994.3	1100.6	1206.3	1279.8	1333.9	1331.4	1319.3
67.5°	775.1	877.7	973.1	1058.7	1122.5	1159.5	1172.3	1157.7
70°	670.6	759.3	843.1	911.7	964.6	998.0	1010.1	997.4
72.5°	566.1	641.4	700.3	766.6	807.2	835.2	847.9	835.8
75°	462.8	524.8	572.8	624.4	653.0	676.7	691.2	679.1
77.5°	362.6	410.6	448.9	486.5	519.3	524.8	537.6	529.7
80°	267.3	301.9	329.8	354.7	378.4	380.8	391.2	386.3
82.5°	178.0	201.1	208.3	234.5	249.6	247.2	257.5	253.9
85°	94.1	108.1	120.9	128.8	137.3	129.4	138.5	134.8
87.5°	31.6	33.4	29.2	41.3	45.6	38.9	44.3	42.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)