

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: P837762

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-2STD-50-120-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: P837762
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-LD4-2STD-50-120-EDD
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

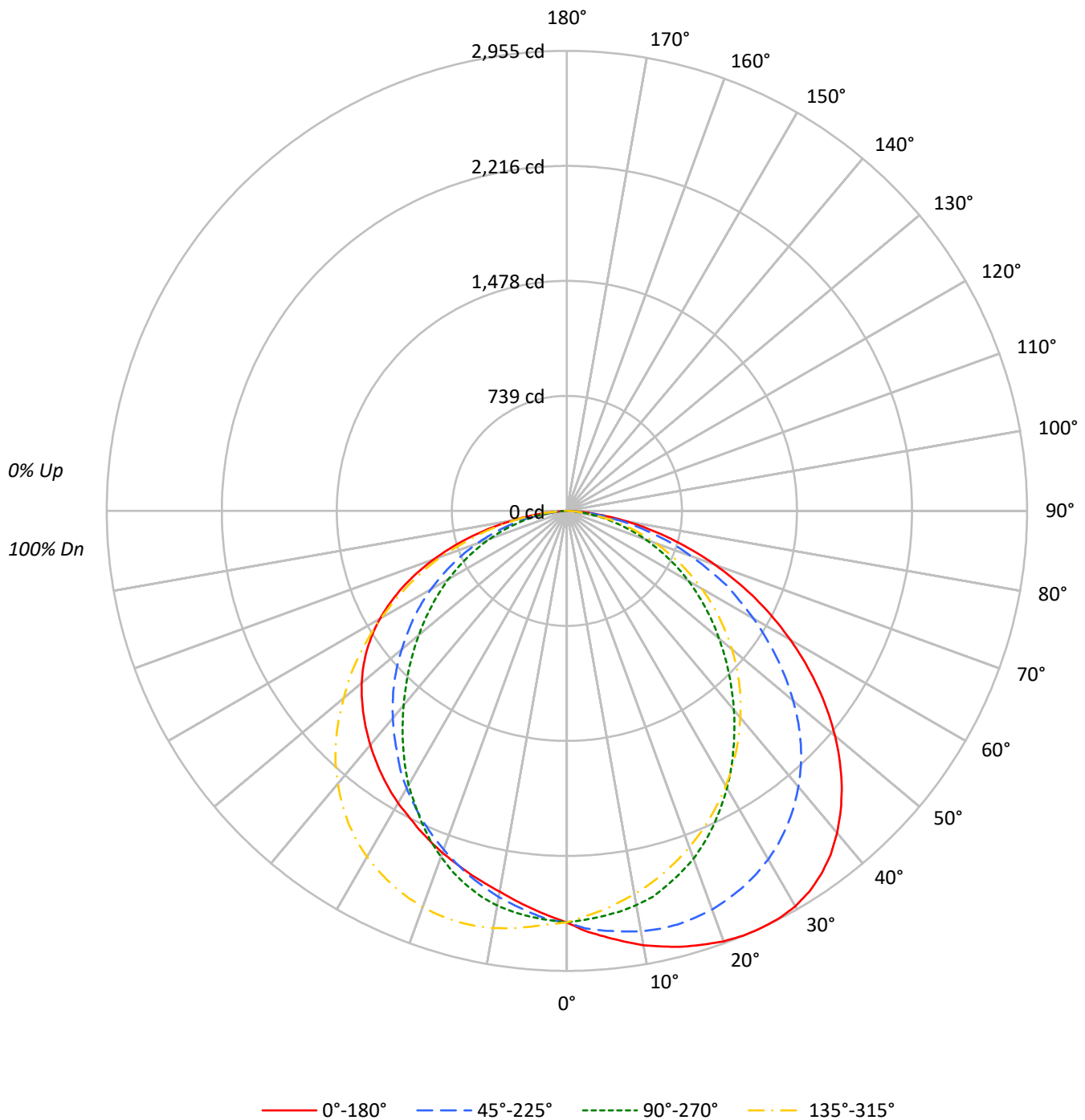
Lumens per Lamp: N/A
Luminaire Lumens: 7753.7 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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°	7112	7112	7112	7112
5°	7412	7061	6927	7072
10°	7742	7024	6787	7035
15°	8074	6935	6720	6937
20°	8426	6809	6691	6770
25°	8775	6619	6690	6551
30°	9114	6388	6735	6317
35°	9356	6126	6802	6029
40°	9481	5862	6897	5730
45°	9499	5595	7031	5455
50°	9410	5340	7203	5198
55°	9215	5102	7363	4960
60°	8925	4854	7462	4728
65°	8526	4569	7423	4463
70°	7965	4235	7159	4157
75°	7166	3775	6570	3756
80°	6076	3163	5521	3209
85°	4227	2093	3501	2152

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	3.2
10°-20°	726.6	9.4
20°-30°	1113.5	14.4
30°-40°	1354.0	17.5
40°-50°	1407.6	18.2
50°-60°	1271.5	16.4
60°-70°	966.6	12.5
70°-80°	538.9	7.0
80°-90°	124.1	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°	2091.1	27.0
0°-40°	3445.1	44.4
0°-60°	6124.1	79.0
0°-90°	7753.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7753.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2643	2643	2643	2643	2643	
5°	2744	2614	2564	2618	2744	265
15°	2898	2489	2412	2490	2898	822
25°	2955	2229	2253	2206	2955	1365
35°	2848	1865	2071	1835	2848	1779
45°	2496	1470	1848	1433	2496	1922
55°	1964	1088	1570	1057	1964	1753
65°	1339	718	1166	701	1339	1323
75°	689	363	632	361	689	732
85°	137	68	113	70	137	172
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°	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8
2.5°	2701.4	2661.9	2662.6	2697.1	2670.6	2683.5	2646.5	2660.7	2656.4	2659.5	2629.3
5°	2743.9	2701.4	2700.8	2730.4	2700.8	2706.3	2659.5	2668.7	2655.2	2646.5	2613.9
7.5°	2788.9	2746.4	2742.1	2768.0	2729.1	2724.8	2673.0	2673.0	2648.4	2626.8	2596.0
10°	2833.3	2789.6	2784.0	2803.7	2755.6	2741.5	2678.6	2668.7	2636.0	2604.0	2570.7
12.5°	2866.6	2822.2	2817.9	2830.2	2776.0	2750.1	2678.6	2659.5	2611.4	2566.4	2540.5
15°	2898.1	2852.4	2840.7	2846.9	2784.6	2750.1	2670.0	2640.4	2578.7	2519.5	2489.3
17.5°	2920.2	2876.5	2864.8	2864.1	2788.9	2739.6	2651.5	2610.8	2536.8	2465.3	2435.1
20°	2942.4	2898.7	2883.9	2872.8	2787.7	2725.4	2624.3	2569.5	2483.2	2403.0	2377.7
22.5°	2953.5	2908.5	2892.5	2875.9	2779.7	2699.5	2591.0	2521.4	2422.7	2327.2	2306.2
25°	2955.4	2909.1	2891.9	2867.8	2763.7	2668.7	2547.9	2463.4	2353.1	2247.1	2229.2
27.5°	2950.5	2899.9	2882.6	2853.7	2739.6	2631.1	2496.7	2397.5	2279.1	2162.0	2142.9
30°	2933.2	2882.0	2865.4	2827.8	2705.7	2584.9	2440.6	2324.1	2197.1	2072.6	2055.9
32.5°	2898.7	2848.7	2835.2	2797.6	2668.7	2531.2	2375.3	2245.2	2106.5	1987.5	1962.9
35°	2848.1	2798.2	2789.6	2750.1	2616.9	2467.1	2303.8	2158.9	2010.3	1888.9	1864.8
37.5°	2782.2	2740.2	2727.3	2688.4	2555.9	2394.4	2221.8	2065.2	1912.3	1781.6	1766.8
40°	2698.9	2659.5	2649.6	2615.1	2485.0	2313.6	2133.0	1968.4	1811.2	1689.8	1668.8
42.5°	2604.0	2567.0	2561.5	2525.7	2397.5	2224.2	2036.8	1867.9	1705.8	1588.7	1567.7
45°	2496.1	2460.4	2459.1	2425.2	2301.9	2125.0	1935.7	1766.2	1602.8	1481.4	1470.3
47.5°	2377.1	2345.1	2345.1	2313.6	2195.3	2015.9	1831.5	1660.2	1499.3	1392.0	1372.3
50°	2247.7	2217.5	2208.2	2192.8	2077.5	1896.9	1721.8	1556.6	1396.9	1294.6	1275.5
52.5°	2109.6	2083.7	2089.9	2061.5	1949.9	1773.0	1610.8	1440.1	1294.0	1200.9	1181.8
55°	1964.1	1927.1	1932.6	1922.2	1816.8	1645.4	1486.3	1343.9	1192.9	1105.3	1087.5
57.5°	1813.1	1765.0	1784.7	1778.5	1675.0	1514.7	1372.3	1234.8	1092.4	1011.6	994.4
60°	1658.3	1612.1	1632.4	1626.9	1529.5	1384.0	1254.5	1126.9	992.5	919.2	901.9
62.5°	1499.3	1456.7	1475.2	1470.9	1381.5	1250.2	1137.4	1020.3	892.0	826.1	810.0
65°	1339.0	1298.3	1314.9	1311.9	1229.3	1129.4	1017.2	909.9	790.9	733.6	717.6
67.5°	1175.0	1137.4	1152.8	1152.8	1077.0	981.4	896.4	798.3	691.7	642.4	627.6
70°	1012.3	977.1	990.7	989.4	925.3	847.7	774.3	686.8	591.2	550.5	538.2
72.5°	848.3	817.4	829.8	828.5	774.9	725.0	652.2	576.4	493.2	460.5	449.4
75°	689.2	660.2	672.0	670.7	627.0	580.1	531.4	468.5	397.0	374.2	363.1
77.5°	537.6	508.0	517.8	517.8	485.8	451.9	413.0	364.3	313.8	289.1	281.1
80°	392.1	377.9	373.0	373.6	352.0	329.8	310.1	263.2	226.2	209.6	204.1
82.5°	257.7	246.0	241.0	242.3	229.9	216.4	204.1	171.4	146.7	136.9	133.8
85°	136.9	128.2	123.9	127.0	124.5	117.1	111.0	88.8	73.4	69.7	67.8
87.5°	43.2	37.6	34.5	45.6	38.8	34.5	33.3	26.5	20.3	20.3	19.7
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°	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8
2.5°	2639.1	2639.1	2615.1	2609.5	2607.1	2610.2	2586.1	2581.8	2616.3	2604.6	2578.1
5°	2618.2	2616.9	2583.0	2576.9	2576.9	2573.2	2546.0	2539.9	2574.4	2564.5	2535.6
7.5°	2592.3	2588.6	2548.5	2544.2	2538.0	2535.6	2505.4	2501.0	2530.6	2524.5	2497.3
10°	2560.8	2557.1	2509.7	2506.6	2499.8	2494.9	2466.5	2463.4	2493.6	2483.8	2462.2
12.5°	2519.5	2512.8	2464.1	2461.0	2455.4	2453.6	2425.8	2424.6	2457.9	2448.0	2425.2
15°	2465.3	2459.7	2405.5	2406.7	2407.3	2407.3	2385.1	2383.9	2416.6	2412.3	2387.6
17.5°	2405.5	2398.1	2346.3	2350.0	2354.3	2359.3	2342.0	2345.1	2379.6	2374.0	2351.9
20°	2337.7	2330.3	2279.7	2290.2	2299.5	2309.3	2298.2	2306.9	2338.9	2336.4	2319.8
22.5°	2261.8	2254.4	2207.6	2223.6	2239.0	2257.5	2252.6	2262.5	2296.4	2295.8	2281.0
25°	2169.4	2171.2	2129.9	2149.6	2175.5	2201.4	2203.3	2219.3	2256.9	2253.2	2239.7
27.5°	2083.1	2085.5	2041.8	2075.1	2109.6	2142.9	2150.9	2173.1	2211.3	2208.2	2196.5
30°	1992.4	1995.5	1953.0	1998.6	2040.5	2081.2	2098.5	2128.7	2167.5	2167.5	2155.2
32.5°	1898.1	1903.7	1859.3	1920.3	1969.0	2016.5	2046.7	2078.1	2122.5	2121.3	2110.8
35°	1801.3	1807.5	1766.8	1844.5	1893.2	1951.1	1988.7	2030.7	2070.1	2070.7	2062.7
37.5°	1702.7	1710.1	1673.1	1758.2	1813.7	1882.1	1930.2	1972.1	2015.9	2018.3	2010.9
40°	1604.7	1612.7	1580.6	1662.6	1732.9	1809.4	1864.8	1914.2	1962.2	1963.5	1958.5
42.5°	1506.7	1515.3	1491.3	1571.4	1650.9	1732.9	1798.3	1854.4	1903.7	1906.8	1901.2
45°	1411.1	1418.5	1401.2	1488.8	1565.2	1654.6	1729.8	1793.3	1843.3	1847.6	1845.7
47.5°	1316.2	1323.0	1307.5	1387.7	1475.8	1570.8	1657.7	1728.0	1781.0	1785.9	1784.7
50°	1223.1	1228.6	1212.0	1295.8	1383.4	1484.5	1575.1	1656.5	1715.7	1720.6	1720.0
52.5°	1130.6	1136.2	1122.0	1210.1	1289.7	1396.3	1495.0	1583.1	1641.7	1649.1	1650.3
55°	1041.2	1043.7	1032.6	1117.1	1194.1	1305.7	1419.1	1504.8	1563.4	1569.5	1573.2
57.5°	951.8	952.5	943.2	1024.0	1097.9	1212.0	1331.0	1421.0	1476.5	1482.6	1488.2
60°	863.1	862.4	852.0	930.3	1001.2	1114.0	1237.9	1327.3	1380.9	1386.5	1393.9
62.5°	774.9	773.1	763.8	835.9	902.5	1014.1	1138.6	1224.9	1276.1	1279.8	1289.7
65°	687.4	685.5	676.9	743.5	803.9	910.5	1032.6	1114.6	1160.8	1165.8	1163.9
67.5°	601.1	597.4	590.6	650.4	705.2	803.9	921.0	999.3	1037.5	1041.8	1053.6
70°	514.8	510.4	495.0	558.5	606.6	694.8	803.9	873.5	905.6	909.9	908.1
72.5°	429.7	425.4	408.7	467.3	508.0	585.0	682.4	740.4	768.1	771.8	771.8
75°	347.1	344.6	334.1	378.5	412.4	475.3	557.9	606.0	627.6	631.9	630.7
77.5°	267.6	265.7	255.2	293.4	320.0	366.8	433.4	471.0	487.0	491.9	502.4
80°	191.7	191.1	174.5	212.1	223.8	263.2	311.9	340.9	349.5	356.3	363.7
82.5°	122.7	123.3	106.7	138.7	143.6	168.9	199.1	217.0	223.2	228.7	234.3
85°	59.8	62.3	53.0	73.4	74.0	86.9	99.9	106.7	109.1	113.4	118.4
87.5°	15.4	17.9	9.9	21.0	18.5	24.0	27.7	29.6	29.0	32.1	33.9
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°	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8
2.5°	2586.7	2606.5	2596.6	2628.7	2641.0	2621.3	2655.8	2656.4	2631.7	2660.7	2676.7
5°	2546.7	2567.0	2560.8	2594.1	2609.5	2592.3	2634.2	2642.2	2618.2	2650.8	2676.7
7.5°	2506.0	2530.0	2522.0	2555.9	2574.4	2560.8	2605.8	2618.8	2600.3	2636.0	2670.6
10°	2470.8	2491.2	2482.5	2518.3	2534.3	2523.2	2567.6	2591.7	2574.4	2618.2	2659.5
12.5°	2436.3	2453.0	2443.1	2472.7	2488.1	2473.9	2528.2	2550.4	2538.0	2583.6	2636.7
15°	2391.9	2410.4	2396.9	2423.4	2435.1	2422.7	2467.1	2505.4	2489.9	2539.9	2598.4
17.5°	2358.0	2368.5	2350.0	2371.0	2377.7	2361.1	2406.1	2443.7	2432.6	2486.9	2554.7
20°	2320.4	2329.0	2303.2	2314.9	2314.2	2293.3	2334.6	2371.6	2364.2	2424.0	2501.0
22.5°	2278.5	2282.8	2252.6	2255.1	2253.8	2219.3	2256.3	2293.9	2290.8	2351.2	2437.5
25°	2234.1	2234.7	2195.9	2194.7	2181.1	2140.4	2173.1	2215.6	2206.4	2271.7	2362.3
27.5°	2190.3	2184.2	2137.3	2126.2	2104.6	2055.9	2084.9	2123.1	2117.6	2181.7	2282.2
30°	2143.5	2135.5	2078.1	2057.8	2026.4	1970.3	1994.3	2030.1	2033.1	2089.2	2194.7
32.5°	2099.1	2078.8	2015.3	1985.7	1946.2	1880.9	1893.8	1930.2	1935.1	1991.8	2100.3
35°	2041.8	2028.2	1949.9	1899.4	1860.5	1789.0	1802.6	1827.8	1835.2	1890.7	2001.1
37.5°	1987.5	1965.9	1882.7	1821.1	1771.1	1695.9	1699.6	1725.5	1732.9	1789.0	1898.1
40°	1931.4	1900.6	1811.2	1739.1	1681.7	1602.8	1598.5	1625.6	1631.2	1686.1	1784.7
42.5°	1871.6	1834.6	1734.1	1655.2	1589.3	1509.1	1500.5	1523.9	1530.1	1583.7	1680.5
45°	1811.2	1766.8	1655.2	1568.9	1496.8	1414.8	1406.2	1424.1	1433.3	1483.9	1576.9
47.5°	1747.1	1695.3	1573.9	1477.7	1403.1	1321.1	1310.6	1328.5	1335.9	1385.8	1474.0
50°	1679.9	1617.0	1490.0	1384.0	1310.0	1229.3	1213.8	1234.8	1241.6	1288.4	1374.7
52.5°	1605.9	1536.3	1400.6	1289.7	1215.7	1138.6	1120.1	1140.5	1148.5	1194.1	1273.6
55°	1527.6	1452.4	1310.6	1202.7	1122.6	1047.4	1032.0	1040.0	1057.3	1100.4	1174.4
57.5°	1439.5	1364.9	1215.7	1106.0	1028.9	956.8	943.8	951.2	967.2	1009.2	1075.7
60°	1345.8	1266.9	1118.9	1009.2	934.6	866.1	854.4	861.2	878.5	916.7	978.3
62.5°	1253.3	1164.5	1019.0	909.9	842.1	778.6	775.5	773.1	789.1	826.1	880.3
65°	1141.1	1056.0	914.8	811.3	749.6	692.3	680.0	685.5	700.9	734.8	791.6
67.5°	1020.9	943.8	808.2	712.6	657.8	606.6	596.1	598.6	614.6	644.2	693.5
70°	893.3	825.5	699.1	613.4	567.2	519.1	512.3	512.9	528.3	554.2	597.4
72.5°	759.5	698.5	588.7	515.4	477.2	442.6	436.5	429.1	443.2	465.4	502.4
75°	623.3	569.6	479.0	419.2	389.0	360.0	354.5	347.1	361.3	380.4	409.3
77.5°	485.8	442.6	372.4	326.1	302.7	281.1	276.2	268.2	282.3	296.5	319.3
80°	351.4	320.0	278.0	229.3	221.3	207.1	202.2	193.6	207.1	216.4	233.6
82.5°	226.9	205.9	181.9	148.0	146.7	136.2	133.8	123.9	136.2	141.8	154.7
85°	114.7	104.8	98.6	75.2	77.7	70.9	70.3	59.8	69.7	72.1	79.5
87.5°	32.7	34.5	30.8	18.5	23.4	22.2	22.2	16.0	22.2	22.2	25.3
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: P837762

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-2STD-50-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8	2642.8
2.5°	2645.3	2655.8	2658.2	2657.6	2664.4	2701.4	2689.1	2701.4
5°	2651.5	2674.9	2681.1	2689.7	2700.8	2742.7	2729.1	2743.9
7.5°	2655.2	2690.3	2703.9	2720.5	2738.4	2785.2	2774.1	2788.9
10°	2655.2	2700.8	2720.5	2748.2	2772.3	2826.5	2816.1	2833.3
12.5°	2644.1	2702.6	2730.4	2769.2	2800.0	2858.6	2854.3	2866.6
15°	2621.3	2693.4	2731.6	2781.5	2819.8	2885.1	2883.3	2898.1
17.5°	2590.4	2677.4	2723.6	2786.5	2834.6	2907.9	2912.2	2920.2
20°	2551.6	2647.1	2707.6	2784.6	2845.0	2925.8	2931.3	2942.4
22.5°	2500.4	2610.8	2683.5	2776.6	2846.3	2933.2	2943.1	2953.5
25°	2440.0	2567.0	2652.1	2761.2	2840.1	2932.6	2946.1	2955.4
27.5°	2371.0	2510.3	2612.0	2736.5	2822.8	2922.7	2939.4	2950.5
30°	2290.8	2449.9	2566.4	2704.5	2799.4	2904.2	2922.1	2933.2
32.5°	2208.2	2383.3	2512.1	2663.2	2765.5	2874.6	2890.0	2898.7
35°	2118.2	2302.5	2446.8	2610.2	2721.7	2827.2	2838.9	2848.1
37.5°	2020.2	2215.0	2372.2	2550.4	2660.1	2761.2	2771.7	2782.2
40°	1919.1	2123.1	2288.4	2477.0	2586.7	2680.4	2691.5	2698.9
42.5°	1817.4	2021.4	2199.0	2390.7	2499.8	2589.8	2596.6	2604.0
45°	1714.4	1916.0	2098.5	2295.1	2403.0	2487.5	2489.9	2496.1
47.5°	1609.6	1806.9	1988.1	2186.0	2292.7	2369.7	2372.2	2377.1
50°	1504.2	1697.8	1870.4	2068.3	2172.5	2253.8	2242.7	2247.7
52.5°	1400.6	1583.1	1759.4	1941.3	2044.2	2116.4	2119.4	2109.6
55°	1298.9	1470.9	1633.0	1808.1	1906.1	1962.2	1960.4	1964.1
57.5°	1196.0	1357.5	1506.0	1666.3	1761.9	1814.9	1826.0	1813.1
60°	1091.2	1242.8	1376.0	1520.8	1613.3	1657.7	1670.6	1658.3
62.5°	987.0	1126.3	1247.1	1373.5	1459.2	1514.1	1512.8	1499.3
65°	882.8	1009.2	1117.1	1224.3	1298.9	1353.8	1351.3	1339.0
67.5°	786.6	890.8	987.6	1074.5	1139.2	1176.9	1189.8	1175.0
70°	680.6	770.6	855.7	925.3	979.0	1012.9	1025.2	1012.3
72.5°	574.6	651.0	710.8	778.0	819.3	847.7	860.6	848.3
75°	469.8	532.6	581.3	633.7	662.7	686.8	701.5	689.2
77.5°	368.0	416.7	455.6	493.8	527.1	532.6	545.6	537.6
80°	271.2	306.4	334.7	360.0	384.1	386.5	397.0	392.1
82.5°	180.6	204.1	211.5	238.0	253.4	250.9	261.4	257.7
85°	95.6	109.7	122.7	130.7	139.3	131.3	140.6	136.9
87.5°	32.1	33.9	29.6	41.9	46.2	39.5	45.0	43.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)