

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: P838060

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-2HI-27-120-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: P838060
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-24-4-INS-ASY2R-LD4-2HI-27-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

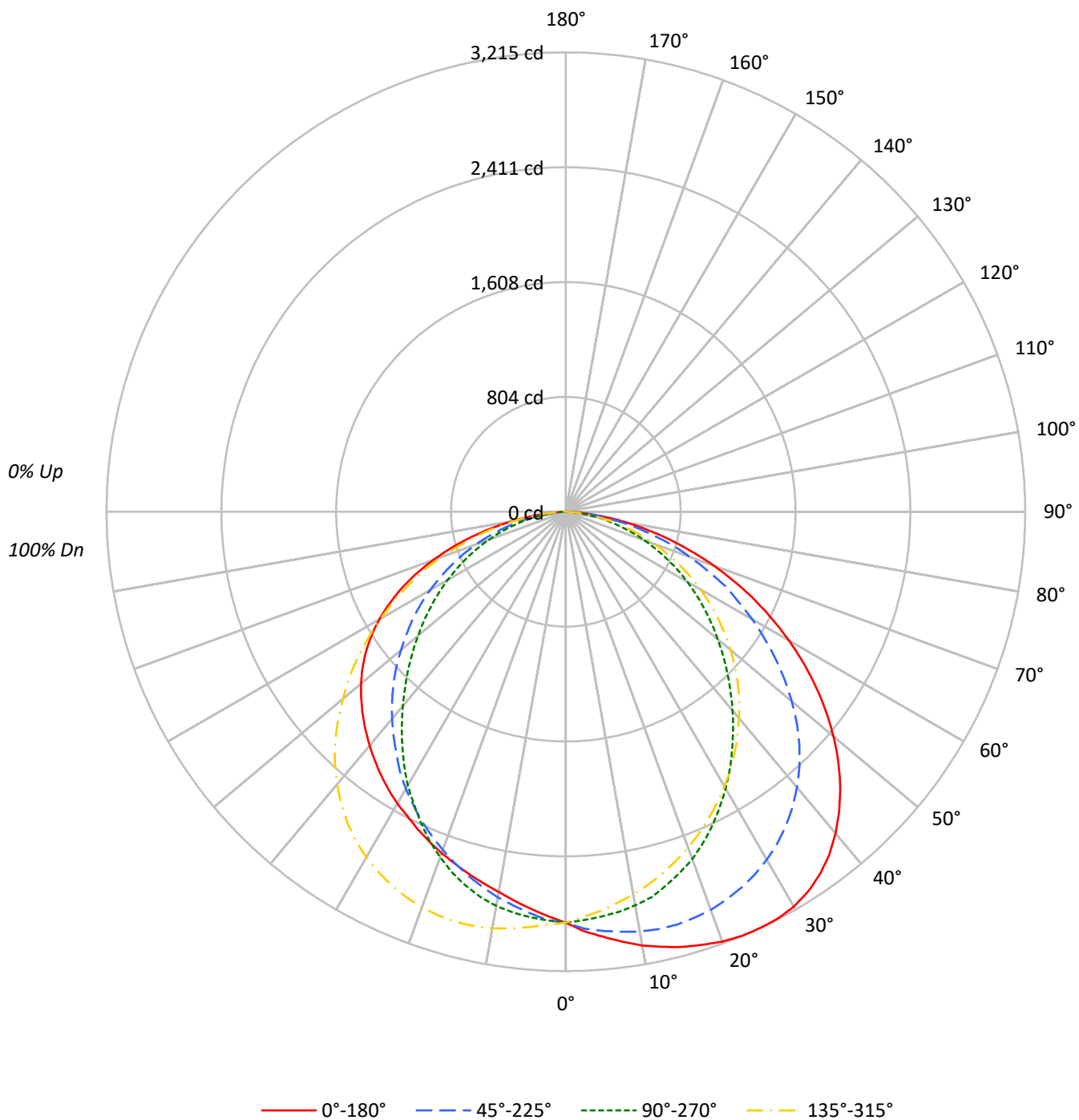
Lumens per Lamp: N/A
Luminaire Lumens: 8435.7 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 88
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°	3869	3869	3869	3869
5°	4032	3841	3768	3847
10°	4212	3821	3692	3827
15°	4392	3773	3656	3774
20°	4584	3704	3640	3683
25°	4773	3601	3639	3564
30°	4958	3475	3664	3437
35°	5090	3333	3700	3280
40°	5157	3189	3752	3117
45°	5167	3044	3825	2967
50°	5119	2905	3918	2828
55°	5013	2775	4006	2698
60°	4855	2640	4059	2572
65°	4638	2486	4038	2428
70°	4332	2303	3895	2261
75°	3898	2053	3574	2043
80°	3305	1720	3004	1746
85°	2299	1139	1905	1170

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	3.2
10°-20°	790.5	9.4
20°-30°	1211.5	14.4
30°-40°	1473.1	17.5
40°-50°	1531.4	18.2
50°-60°	1383.3	16.4
60°-70°	1051.7	12.5
70°-80°	586.3	7.0
80°-90°	135.0	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°	2275.0	27.0
0°-40°	3748.1	44.4
0°-60°	6662.8	79.0
0°-90°	8435.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8435.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2875	2875	2875	2875	2875	
5°	2985	2844	2790	2848	2985	288
15°	3153	2708	2624	2709	3153	894
25°	3215	2425	2451	2400	3215	1485
35°	3099	2029	2253	1997	3099	1935
45°	2716	1600	2010	1559	2716	2091
55°	2137	1183	1708	1150	2137	1908
65°	1457	781	1268	763	1457	1440
75°	750	395	688	393	750	797
85°	149	74	123	76	149	187
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°	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3
2.5°	2939.0	2896.1	2896.8	2934.3	2905.5	2919.6	2879.3	2894.8	2890.1	2893.4	2860.5
5°	2985.3	2939.0	2938.3	2970.5	2938.3	2944.4	2893.4	2903.5	2888.7	2879.3	2843.8
7.5°	3034.3	2988.0	2983.3	3011.5	2969.2	2964.5	2908.2	2908.2	2881.3	2857.9	2824.3
10°	3082.6	3034.9	3028.9	3050.4	2998.0	2982.6	2914.2	2903.5	2867.9	2833.0	2796.8
12.5°	3118.8	3070.5	3065.8	3079.2	3020.2	2992.0	2914.2	2893.4	2841.1	2792.1	2764.0
15°	3153.0	3103.3	3090.6	3097.3	3029.6	2992.0	2904.8	2872.6	2805.6	2741.2	2708.3
17.5°	3177.1	3129.5	3116.8	3116.1	3034.3	2980.6	2884.7	2840.4	2759.9	2682.1	2649.3
20°	3201.3	3153.6	3137.5	3125.5	3032.9	2965.2	2855.2	2795.5	2701.6	2614.4	2586.9
22.5°	3213.3	3164.4	3146.9	3128.8	3024.2	2937.0	2819.0	2743.2	2635.9	2531.9	2509.1
25°	3215.3	3165.0	3146.3	3120.1	3006.8	2903.5	2772.0	2680.1	2560.1	2444.7	2425.3
27.5°	3210.0	3155.0	3136.2	3104.7	2980.6	2862.6	2716.3	2608.4	2479.6	2352.2	2331.4
30°	3191.2	3135.5	3117.4	3076.5	2943.7	2812.3	2655.3	2528.5	2390.4	2254.9	2236.8
32.5°	3153.6	3099.3	3084.6	3043.6	2903.5	2753.9	2584.2	2442.7	2291.8	2162.3	2135.5
35°	3098.6	3044.3	3034.9	2992.0	2847.1	2684.2	2506.4	2348.8	2187.2	2055.0	2028.9
37.5°	3026.9	2981.3	2967.2	2924.9	2780.7	2605.0	2417.2	2246.9	2080.5	1938.3	1922.2
40°	2936.3	2893.4	2882.7	2845.1	2703.6	2517.1	2320.6	2141.6	1970.5	1838.4	1815.6
42.5°	2833.0	2792.8	2786.8	2747.9	2608.4	2419.9	2216.0	2032.2	1855.8	1728.4	1705.6
45°	2715.7	2676.8	2675.4	2638.5	2504.4	2311.9	2106.0	1921.6	1743.8	1611.7	1599.6
47.5°	2586.2	2551.4	2551.4	2517.1	2388.4	2193.2	1992.7	1806.2	1631.1	1514.4	1493.0
50°	2445.4	2412.5	2402.5	2385.7	2260.3	2063.8	1873.3	1693.5	1519.8	1408.5	1387.7
52.5°	2295.1	2267.0	2273.7	2242.8	2121.4	1928.9	1752.5	1566.8	1407.8	1306.5	1285.7
55°	2136.9	2096.6	2102.7	2091.3	1976.6	1790.1	1617.1	1462.1	1297.8	1202.6	1183.1
57.5°	1972.5	1920.2	1941.7	1935.0	1822.3	1647.9	1493.0	1343.4	1188.5	1100.6	1081.8
60°	1804.2	1753.9	1776.0	1770.0	1664.0	1505.7	1364.9	1226.0	1079.8	1000.0	981.2
62.5°	1631.1	1584.9	1605.0	1600.3	1503.0	1360.2	1237.4	1110.0	970.5	898.7	881.3
65°	1456.8	1412.5	1430.6	1427.3	1337.4	1228.7	1106.7	990.0	860.5	798.1	780.7
67.5°	1278.4	1237.4	1254.2	1254.2	1171.7	1067.8	975.2	868.6	752.5	698.9	682.8
70°	1101.3	1063.1	1077.8	1076.5	1006.7	922.2	842.4	747.2	643.2	598.9	585.5
72.5°	922.9	889.4	902.8	901.4	843.1	788.7	709.6	627.1	536.6	501.0	488.9
75°	749.8	718.3	731.1	729.7	682.1	631.1	578.1	509.7	431.9	407.1	395.0
77.5°	584.9	552.7	563.4	563.4	528.5	491.6	449.4	396.4	341.4	314.6	305.8
80°	426.6	411.1	405.8	406.4	383.0	358.8	337.4	286.4	246.1	228.0	222.0
82.5°	280.4	267.6	262.2	263.6	250.2	235.4	222.0	186.5	159.6	148.9	145.5
85°	148.9	139.5	134.8	138.2	135.5	127.4	120.7	96.6	79.8	75.8	73.8
87.5°	46.9	40.9	37.6	49.6	42.3	37.6	36.2	28.8	22.1	22.1	21.5
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°	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3
2.5°	2871.3	2871.3	2845.1	2839.1	2836.4	2839.8	2813.6	2808.9	2846.5	2833.7	2804.9
5°	2848.5	2847.1	2810.2	2803.5	2803.5	2799.5	2770.0	2763.3	2800.9	2790.1	2758.6
7.5°	2820.3	2816.3	2772.7	2768.0	2761.3	2758.6	2725.7	2721.0	2753.2	2746.5	2717.0
10°	2786.1	2782.1	2730.4	2727.1	2719.7	2714.3	2683.5	2680.1	2713.0	2702.3	2678.8
12.5°	2741.2	2733.8	2680.8	2677.4	2671.4	2669.4	2639.2	2637.9	2674.1	2663.4	2638.5
15°	2682.1	2676.1	2617.1	2618.4	2619.1	2619.1	2594.9	2593.6	2629.2	2624.5	2597.6
17.5°	2617.1	2609.0	2552.7	2556.7	2561.4	2566.8	2548.0	2551.4	2588.9	2582.9	2558.7
20°	2543.3	2535.3	2480.3	2491.7	2501.7	2512.5	2500.4	2509.8	2544.6	2542.0	2523.9
22.5°	2460.8	2452.8	2401.8	2419.2	2436.0	2456.1	2450.7	2461.5	2498.4	2497.7	2481.6
25°	2360.2	2362.2	2317.3	2338.7	2366.9	2395.1	2397.1	2414.5	2455.4	2451.4	2436.7
27.5°	2266.3	2269.0	2221.4	2257.6	2295.1	2331.4	2340.1	2364.2	2405.8	2402.5	2389.7
30°	2167.7	2171.1	2124.8	2174.4	2220.0	2264.3	2283.1	2315.9	2358.2	2358.2	2344.8
32.5°	2065.1	2071.1	2022.8	2089.2	2142.2	2193.9	2226.7	2260.9	2309.2	2307.9	2296.5
35°	1959.8	1966.5	1922.2	2006.7	2059.7	2122.8	2163.7	2209.3	2252.2	2252.9	2244.2
37.5°	1852.5	1860.5	1820.3	1912.8	1973.2	2047.7	2100.0	2145.6	2193.2	2195.9	2187.8
40°	1745.8	1754.6	1719.7	1808.9	1885.3	1968.5	2028.9	2082.5	2134.8	2136.2	2130.8
42.5°	1639.2	1648.6	1622.4	1709.6	1796.1	1885.3	1956.4	2017.5	2071.1	2074.5	2068.4
45°	1535.2	1543.3	1524.5	1619.7	1702.9	1800.2	1882.0	1951.1	2005.4	2010.1	2008.1
47.5°	1432.0	1439.3	1422.6	1509.8	1605.7	1709.0	1803.5	1880.0	1937.7	1943.0	1941.7
50°	1330.7	1336.7	1318.6	1409.8	1505.1	1615.1	1713.6	1802.2	1866.6	1871.9	1871.3
52.5°	1230.1	1236.1	1220.7	1316.6	1403.1	1519.1	1626.5	1722.4	1786.1	1794.1	1795.5
55°	1132.8	1135.5	1123.4	1215.3	1299.2	1420.5	1544.0	1637.2	1700.9	1707.6	1711.6
57.5°	1035.6	1036.2	1026.2	1114.0	1194.5	1318.6	1448.0	1546.0	1606.3	1613.0	1619.1
60°	939.0	938.3	926.9	1012.1	1089.2	1212.0	1346.8	1444.0	1502.4	1508.4	1516.5
62.5°	843.1	841.1	831.0	909.5	981.9	1103.3	1238.8	1332.7	1388.4	1392.4	1403.1
65°	747.8	745.8	736.4	808.9	874.6	990.6	1123.4	1212.6	1262.9	1268.3	1266.3
67.5°	653.9	649.9	642.5	707.6	767.3	874.6	1002.0	1087.2	1128.8	1133.5	1146.2
70°	560.0	555.3	538.6	607.7	660.0	755.9	874.6	950.4	985.3	990.0	987.9
72.5°	467.5	462.8	444.7	508.4	552.7	636.5	742.5	805.5	835.7	839.7	839.7
75°	377.6	374.9	363.5	411.8	448.7	517.1	607.0	659.3	682.8	687.5	686.1
77.5°	291.1	289.1	277.7	319.3	348.1	399.1	471.5	512.4	529.9	535.2	546.6
80°	208.6	207.9	189.8	230.7	243.5	286.4	339.4	370.9	380.3	387.7	395.7
82.5°	133.5	134.1	116.0	150.9	156.3	183.8	216.6	236.1	242.8	248.8	254.9
85°	65.1	67.7	57.7	79.8	80.5	94.6	108.7	116.0	118.7	123.4	128.8
87.5°	16.8	19.5	10.7	22.8	20.1	26.2	30.2	32.2	31.5	34.9	36.9
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°	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3
2.5°	2814.3	2835.7	2825.0	2859.9	2873.3	2851.8	2889.4	2890.1	2863.2	2894.8	2912.2
5°	2770.7	2792.8	2786.1	2822.3	2839.1	2820.3	2865.9	2874.6	2848.5	2884.0	2912.2
7.5°	2726.4	2752.6	2743.8	2780.7	2800.9	2786.1	2835.1	2849.1	2829.0	2867.9	2905.5
10°	2688.2	2710.3	2700.9	2739.8	2757.3	2745.2	2793.5	2819.6	2800.9	2848.5	2893.4
12.5°	2650.6	2668.7	2658.0	2690.2	2707.0	2691.5	2750.6	2774.7	2761.3	2810.9	2868.6
15°	2602.3	2622.4	2607.7	2636.5	2649.3	2635.9	2684.2	2725.7	2709.0	2763.3	2827.0
17.5°	2565.4	2576.8	2556.7	2579.5	2586.9	2568.8	2617.8	2658.7	2646.6	2705.6	2779.4
20°	2524.5	2533.9	2505.7	2518.5	2517.8	2495.0	2540.0	2580.2	2572.1	2637.2	2721.0
22.5°	2478.9	2483.6	2450.7	2453.4	2452.1	2414.5	2454.8	2495.7	2492.3	2558.1	2652.0
25°	2430.6	2431.3	2389.0	2387.7	2372.9	2328.7	2364.2	2410.5	2400.4	2471.5	2570.1
27.5°	2383.0	2376.3	2325.3	2313.3	2289.8	2236.8	2268.3	2309.9	2303.9	2373.6	2482.9
30°	2332.0	2323.3	2260.9	2238.8	2204.6	2143.6	2169.7	2208.6	2212.0	2273.0	2387.7
32.5°	2283.7	2261.6	2192.5	2160.3	2117.4	2046.3	2060.4	2100.0	2105.3	2167.0	2285.1
35°	2221.4	2206.6	2121.4	2066.4	2024.2	1946.4	1961.1	1988.6	1996.7	2057.0	2177.1
37.5°	2162.3	2138.9	2048.3	1981.3	1926.9	1845.1	1849.1	1877.3	1885.3	1946.4	2065.1
40°	2101.3	2067.8	1970.5	1892.1	1829.7	1743.8	1739.1	1768.6	1774.7	1834.4	1941.7
42.5°	2036.3	1996.0	1886.7	1800.8	1729.1	1641.9	1632.5	1658.0	1664.7	1723.0	1828.3
45°	1970.5	1922.2	1800.8	1706.9	1628.5	1539.3	1529.9	1549.3	1559.4	1614.4	1715.7
47.5°	1900.8	1844.4	1712.3	1607.7	1526.5	1437.3	1425.9	1445.4	1453.4	1507.7	1603.7
50°	1827.7	1759.3	1621.1	1505.7	1425.2	1337.4	1320.6	1343.4	1350.8	1401.8	1495.7
52.5°	1747.2	1671.4	1523.8	1403.1	1322.6	1238.8	1218.7	1240.8	1249.5	1299.2	1385.7
55°	1662.0	1580.2	1425.9	1308.5	1221.3	1139.5	1122.8	1131.5	1150.3	1197.2	1277.7
57.5°	1566.1	1484.9	1322.6	1203.2	1119.4	1040.9	1026.8	1034.9	1052.3	1097.9	1170.4
60°	1464.1	1378.3	1217.3	1097.9	1016.8	942.3	929.6	937.0	955.8	997.3	1064.4
62.5°	1363.5	1267.0	1108.7	990.0	916.2	847.1	843.7	841.1	858.5	898.7	957.8
65°	1241.5	1148.9	995.3	882.6	815.6	753.2	739.8	745.8	762.6	799.5	861.2
67.5°	1110.7	1026.8	879.3	775.3	715.6	660.0	648.6	651.3	668.7	700.9	754.5
70°	971.8	898.1	760.6	667.3	617.0	564.7	557.4	558.0	574.8	603.0	649.9
72.5°	826.3	759.9	640.5	560.7	519.1	481.6	474.9	466.8	482.2	506.4	546.6
75°	678.1	619.7	521.1	456.1	423.2	391.7	385.7	377.6	393.0	413.8	445.3
77.5°	528.5	481.6	405.1	354.8	329.3	305.8	300.5	291.8	307.2	322.6	347.4
80°	382.3	348.1	302.5	249.5	240.8	225.4	220.0	210.6	225.4	235.4	254.2
82.5°	246.8	224.0	197.9	161.0	159.6	148.2	145.5	134.8	148.2	154.3	168.3
85°	124.8	114.0	107.3	81.8	84.5	77.1	76.5	65.1	75.8	78.5	86.5
87.5°	35.5	37.6	33.5	20.1	25.5	24.1	24.1	17.4	24.1	24.1	27.5
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: P838060

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-2HI-27-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3	2875.3
2.5°	2878.0	2889.4	2892.1	2891.4	2898.8	2939.0	2925.6	2939.0
5°	2884.7	2910.2	2916.9	2926.3	2938.3	2984.0	2969.2	2985.3
7.5°	2888.7	2926.9	2941.7	2959.8	2979.3	3030.2	3018.2	3034.3
10°	2888.7	2938.3	2959.8	2990.0	3016.2	3075.2	3063.8	3082.6
12.5°	2876.6	2940.4	2970.5	3012.8	3046.3	3110.0	3105.4	3118.8
15°	2851.8	2930.3	2971.9	3026.2	3067.8	3138.9	3136.9	3153.0
17.5°	2818.3	2912.9	2963.2	3031.6	3083.9	3163.7	3168.4	3177.1
20°	2776.0	2880.0	2945.7	3029.6	3095.3	3183.2	3189.2	3201.3
22.5°	2720.4	2840.4	2919.6	3020.8	3096.6	3191.2	3201.9	3213.3
25°	2654.6	2792.8	2885.4	3004.1	3089.9	3190.5	3205.3	3215.3
27.5°	2579.5	2731.1	2841.8	2977.2	3071.1	3179.8	3197.9	3210.0
30°	2492.3	2665.4	2792.1	2942.4	3045.7	3159.7	3179.1	3191.2
32.5°	2402.5	2592.9	2733.1	2897.4	3008.8	3127.5	3144.3	3153.6
35°	2304.5	2505.1	2662.0	2839.8	2961.2	3075.8	3088.6	3098.6
37.5°	2197.9	2409.8	2580.9	2774.7	2894.1	3004.1	3015.5	3026.9
40°	2087.9	2309.9	2489.6	2694.9	2814.3	2916.2	2928.3	2936.3
42.5°	1977.2	2199.2	2392.4	2601.0	2719.7	2817.6	2825.0	2833.0
45°	1865.2	2084.5	2283.1	2497.0	2614.4	2706.3	2709.0	2715.7
47.5°	1751.2	1965.8	2163.0	2378.3	2494.3	2578.2	2580.9	2586.2
50°	1636.5	1847.1	2034.9	2250.2	2363.6	2452.1	2440.0	2445.4
52.5°	1523.8	1722.4	1914.2	2112.0	2224.1	2302.5	2305.9	2295.1
55°	1413.2	1600.3	1776.7	1967.2	2073.8	2134.8	2132.8	2136.9
57.5°	1301.2	1476.9	1638.5	1812.9	1916.9	1974.5	1986.6	1972.5
60°	1187.1	1352.1	1497.0	1654.6	1755.2	1803.5	1817.6	1804.2
62.5°	1073.8	1225.4	1356.8	1494.3	1587.6	1647.2	1645.9	1631.1
65°	960.4	1097.9	1215.3	1332.0	1413.2	1472.9	1470.2	1456.8
67.5°	855.8	969.2	1074.5	1169.0	1239.5	1280.4	1294.5	1278.4
70°	740.5	838.4	930.9	1006.7	1065.1	1102.0	1115.4	1101.3
72.5°	625.1	708.3	773.3	846.4	891.4	922.2	936.3	922.9
75°	511.1	579.5	632.5	689.5	721.0	747.2	763.3	749.8
77.5°	400.4	453.4	495.6	537.2	573.5	579.5	593.6	584.9
80°	295.1	333.3	364.2	391.7	417.8	420.5	431.9	426.6
82.5°	196.5	222.0	230.1	258.9	275.7	273.0	284.4	280.4
85°	104.0	119.4	133.5	142.2	151.6	142.9	152.9	148.9
87.5°	34.9	36.9	32.2	45.6	50.3	42.9	49.0	46.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)