

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: P837736

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-2HI-30-120-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: P837736
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-LD4-2HI-30-120-EDD
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

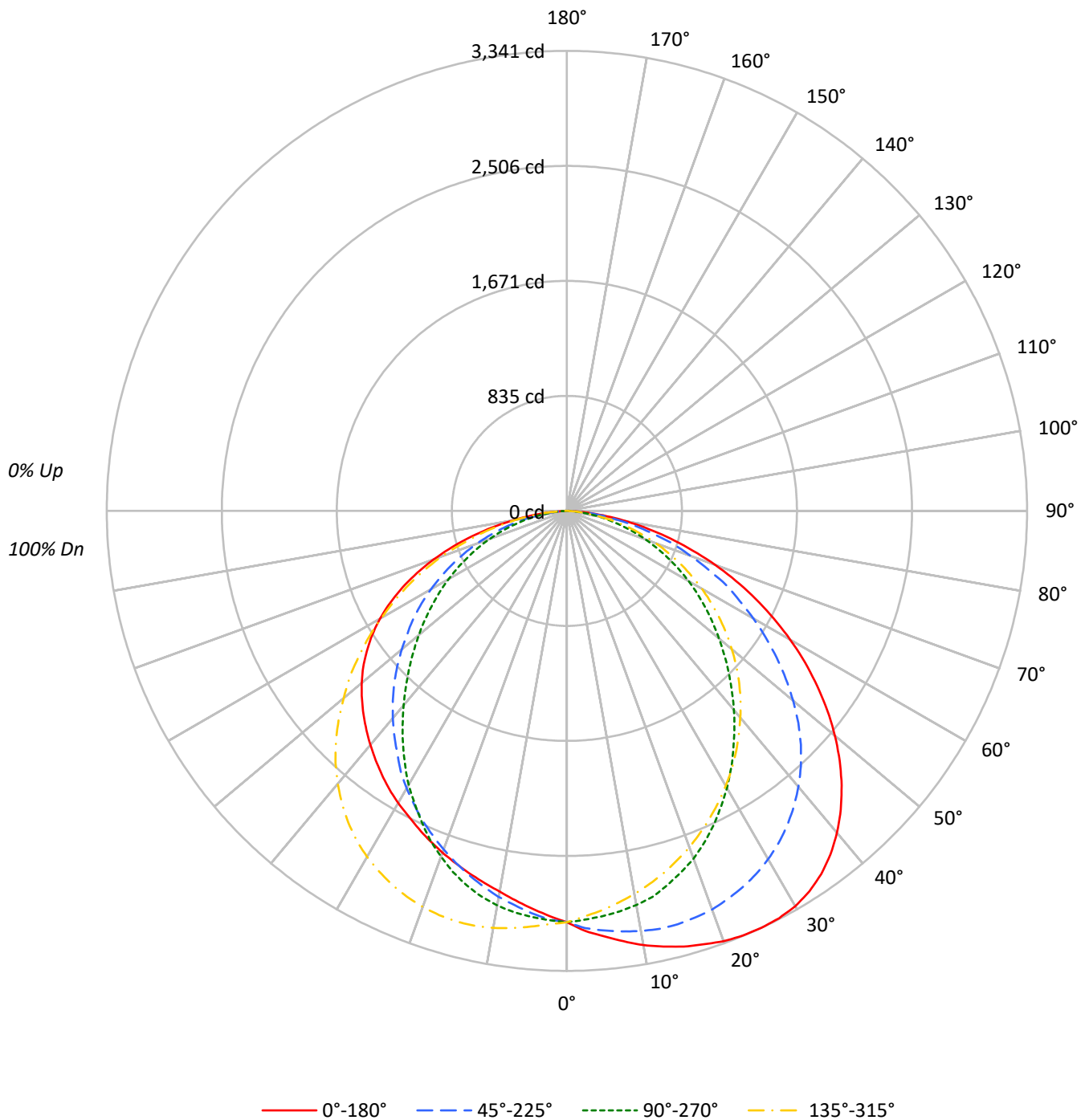
Lumens per Lamp: N/A
Luminaire Lumens: 8764.4 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	8039	8039	8039	8039
5°	8378	7981	7830	7994
10°	8751	7940	7671	7952
15°	9126	7839	7596	7841
20°	9525	7697	7563	7653
25°	9919	7481	7562	7405
30°	10302	7221	7613	7141
35°	10576	6925	7689	6815
40°	10717	6626	7796	6477
45°	10738	6325	7948	6165
50°	10636	6036	8142	5875
55°	10416	5767	8323	5607
60°	10088	5487	8435	5344
65°	9637	5165	8390	5045
70°	9002	4786	8092	4699
75°	8100	4267	7427	4245
80°	6868	3575	6242	3628
85°	4776	2368	3958	2430

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	3.2
10°-20°	821.3	9.4
20°-30°	1258.7	14.4
30°-40°	1530.5	17.5
40°-50°	1591.0	18.2
50°-60°	1437.2	16.4
60°-70°	1092.6	12.5
70°-80°	609.1	7.0
80°-90°	140.2	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°	2363.6	27.0
0°-40°	3894.1	44.4
0°-60°	6922.4	79.0
0°-90°	8764.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8764.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2987	2987	2987	2987	2987	
5°	3102	2955	2899	2959	3102	299
15°	3276	2814	2727	2814	3276	929
25°	3341	2520	2547	2494	3341	1543
35°	3219	2108	2341	2074	3219	2011
45°	2822	1662	2088	1620	2822	2172
55°	2220	1229	1774	1195	2220	1982
65°	1514	811	1318	792	1514	1496
75°	779	410	714	408	779	828
85°	155	77	128	79	155	195
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°	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3
2.5°	3053.5	3008.9	3009.6	3048.6	3018.7	3033.3	2991.5	3007.5	3002.7	3006.1	2972.0
5°	3101.6	3053.5	3052.8	3086.3	3052.8	3059.1	3006.1	3016.6	3001.3	2991.5	2954.6
7.5°	3152.5	3104.4	3099.5	3128.8	3084.9	3080.0	3021.5	3021.5	2993.6	2969.2	2934.4
10°	3202.6	3153.2	3146.9	3169.2	3114.8	3098.8	3027.7	3016.6	2979.7	2943.4	2905.8
12.5°	3240.3	3190.1	3185.2	3199.2	3137.8	3108.6	3027.7	3006.1	2951.8	2900.9	2871.6
15°	3275.8	3224.2	3211.0	3218.0	3147.6	3108.6	3018.0	2984.5	2914.8	2848.0	2813.8
17.5°	3300.9	3251.4	3238.2	3237.5	3152.5	3096.7	2997.1	2951.1	2867.5	2786.6	2752.5
20°	3326.0	3276.5	3259.8	3247.2	3151.1	3080.7	2966.4	2904.4	2806.8	2716.3	2687.7
22.5°	3338.5	3287.7	3269.5	3250.7	3142.0	3051.4	2928.8	2850.0	2738.6	2630.5	2606.8
25°	3340.6	3288.4	3268.8	3241.7	3123.9	3016.6	2880.0	2784.5	2659.8	2540.0	2519.7
27.5°	3335.0	3277.9	3258.4	3225.6	3096.7	2974.1	2822.2	2710.0	2576.2	2443.8	2422.2
30°	3315.5	3257.7	3238.9	3196.4	3058.4	2921.8	2758.8	2627.1	2483.5	2342.8	2323.9
32.5°	3276.5	3220.1	3204.7	3162.2	3016.6	2861.2	2684.9	2537.9	2381.1	2246.6	2218.7
35°	3219.4	3162.9	3153.2	3108.6	2958.1	2788.7	2604.1	2440.3	2272.4	2135.1	2107.9
37.5°	3144.8	3097.4	3082.8	3038.9	2889.1	2706.5	2511.4	2334.4	2161.6	2013.8	1997.1
40°	3050.7	3006.1	2995.0	2956.0	2808.9	2615.2	2411.0	2225.0	2047.3	1910.0	1886.3
42.5°	2943.4	2901.6	2895.3	2854.9	2710.0	2514.2	2302.3	2111.4	1928.1	1795.7	1772.0
45°	2821.5	2781.1	2779.7	2741.3	2602.0	2402.0	2188.1	1996.4	1811.8	1674.5	1661.9
47.5°	2687.0	2650.7	2650.7	2615.2	2481.4	2278.6	2070.3	1876.6	1694.7	1573.4	1551.1
50°	2540.7	2506.5	2496.1	2478.6	2348.3	2144.2	1946.3	1759.5	1579.0	1463.3	1441.7
52.5°	2384.6	2355.3	2362.3	2330.2	2204.1	2004.1	1820.8	1627.8	1462.7	1357.4	1335.8
55°	2220.1	2178.3	2184.6	2172.7	2053.6	1859.8	1680.1	1519.1	1348.4	1249.4	1229.2
57.5°	2049.4	1995.0	2017.3	2010.4	1893.3	1712.1	1551.1	1395.8	1234.8	1143.5	1124.0
60°	1874.5	1822.2	1845.2	1838.9	1728.8	1564.4	1418.1	1273.8	1121.9	1039.0	1019.5
62.5°	1694.7	1646.6	1667.5	1662.6	1561.6	1413.2	1285.7	1153.3	1008.3	933.8	915.6
65°	1513.5	1467.5	1486.3	1482.9	1389.5	1276.6	1149.8	1028.5	894.0	829.2	811.1
67.5°	1328.2	1285.7	1303.1	1303.1	1217.4	1109.4	1013.2	902.4	781.8	726.1	709.4
70°	1144.2	1104.5	1119.8	1118.4	1045.9	958.1	875.2	776.3	668.3	622.3	608.3
72.5°	958.8	924.0	937.9	936.5	875.9	819.5	737.2	651.5	557.5	520.5	508.0
75°	779.1	746.3	759.5	758.2	708.7	655.7	600.7	529.6	448.8	423.0	410.4
77.5°	607.6	574.2	585.3	585.3	549.1	510.8	466.9	411.8	354.7	326.8	317.8
80°	443.2	427.2	421.6	422.3	397.9	372.8	350.5	297.5	255.7	236.9	230.7
82.5°	291.3	278.0	272.5	273.9	259.9	244.6	230.7	193.7	165.8	154.7	151.2
85°	154.7	144.9	140.1	143.5	140.8	132.4	125.4	100.3	82.9	78.7	76.7
87.5°	48.8	42.5	39.0	51.6	43.9	39.0	37.6	30.0	23.0	23.0	22.3
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°	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3
2.5°	2983.1	2983.1	2956.0	2949.7	2946.9	2950.4	2923.2	2918.3	2957.4	2944.1	2914.2
5°	2959.4	2958.1	2919.7	2912.8	2912.8	2908.6	2877.9	2870.9	2910.0	2898.8	2866.1
7.5°	2930.2	2926.0	2880.7	2875.8	2868.9	2866.1	2831.9	2827.0	2860.5	2853.5	2822.9
10°	2894.6	2890.5	2836.8	2833.3	2825.7	2820.1	2788.0	2784.5	2818.7	2807.5	2783.1
12.5°	2848.0	2840.3	2785.2	2781.8	2775.5	2773.4	2742.0	2740.6	2778.3	2767.1	2741.3
15°	2786.6	2780.4	2719.0	2720.4	2721.1	2721.1	2696.0	2694.7	2731.6	2726.7	2698.8
17.5°	2719.0	2710.7	2652.1	2656.3	2661.2	2666.8	2647.3	2650.7	2689.8	2683.5	2658.4
20°	2642.4	2634.0	2576.9	2588.7	2599.2	2610.3	2597.8	2607.5	2643.8	2641.0	2622.2
22.5°	2556.7	2548.3	2495.4	2513.5	2530.9	2551.8	2546.2	2557.4	2595.7	2595.0	2578.3
25°	2452.2	2454.2	2407.6	2429.9	2459.1	2488.4	2490.5	2508.6	2551.1	2546.9	2531.6
27.5°	2354.6	2357.4	2307.9	2345.5	2384.6	2422.2	2431.2	2456.3	2499.5	2496.1	2482.8
30°	2252.2	2255.6	2207.6	2259.1	2306.5	2352.5	2372.0	2406.2	2450.1	2450.1	2436.1
32.5°	2145.5	2151.8	2101.6	2170.6	2225.7	2279.3	2313.5	2349.0	2399.2	2397.8	2386.0
35°	2036.1	2043.1	1997.1	2084.9	2140.0	2205.5	2248.0	2295.4	2340.0	2340.7	2331.6
37.5°	1924.7	1933.0	1891.2	1987.4	2050.1	2127.4	2181.8	2229.2	2278.6	2281.4	2273.1
40°	1813.9	1822.9	1786.7	1879.4	1958.8	2045.2	2107.9	2163.7	2218.0	2219.4	2213.8
42.5°	1703.1	1712.8	1685.6	1776.2	1866.1	1958.8	2032.7	2096.1	2151.8	2155.3	2149.0
45°	1595.0	1603.4	1583.9	1682.8	1769.3	1870.3	1955.3	2027.1	2083.5	2088.4	2086.3
47.5°	1487.7	1495.4	1478.0	1568.6	1668.2	1775.5	1873.8	1953.2	2013.1	2018.7	2017.3
50°	1382.5	1388.8	1370.0	1464.7	1563.7	1678.0	1780.4	1872.4	1939.3	1944.9	1944.2
52.5°	1278.0	1284.3	1268.2	1367.9	1457.8	1578.3	1689.8	1789.5	1855.7	1864.0	1865.4
55°	1176.9	1179.7	1167.2	1262.7	1349.8	1475.9	1604.1	1701.0	1767.2	1774.1	1778.3
57.5°	1075.9	1076.6	1066.2	1157.4	1241.1	1370.0	1504.5	1606.2	1668.9	1675.9	1682.2
60°	975.6	974.9	963.0	1051.5	1131.7	1259.2	1399.2	1500.3	1560.9	1567.2	1575.5
62.5°	875.9	873.8	863.4	944.9	1020.2	1146.3	1287.0	1384.6	1442.4	1446.6	1457.8
65°	777.0	774.9	765.1	840.4	908.7	1029.2	1167.2	1259.9	1312.1	1317.7	1315.6
67.5°	679.4	675.2	667.6	735.2	797.2	908.7	1041.1	1129.6	1172.8	1177.6	1190.9
70°	581.9	577.0	559.6	631.3	685.7	785.3	908.7	987.4	1023.6	1028.5	1026.4
72.5°	485.7	480.8	462.0	528.2	574.2	661.3	771.4	836.9	868.3	872.4	872.4
75°	392.3	389.5	377.7	427.9	466.2	537.3	630.6	685.0	709.4	714.3	712.9
77.5°	302.4	300.3	288.5	331.7	361.7	414.6	489.9	532.4	550.5	556.1	567.9
80°	216.7	216.0	197.2	239.7	253.0	297.5	352.6	385.3	395.1	402.8	411.1
82.5°	138.7	139.4	120.6	156.8	162.4	190.9	225.1	245.3	252.3	258.5	264.8
85°	67.6	70.4	59.9	82.9	83.6	98.3	112.9	120.6	123.3	128.2	133.8
87.5°	17.4	20.2	11.1	23.7	20.9	27.2	31.4	33.4	32.8	36.2	38.3
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°	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3
2.5°	2923.9	2946.2	2935.1	2971.3	2985.2	2962.9	3002.0	3002.7	2974.8	3007.5	3025.6
5°	2878.6	2901.6	2894.6	2932.3	2949.7	2930.2	2977.6	2986.6	2959.4	2996.4	3025.6
7.5°	2832.6	2859.8	2850.7	2889.1	2910.0	2894.6	2945.5	2960.1	2939.2	2979.7	3018.7
10°	2792.9	2815.9	2806.1	2846.6	2864.7	2852.1	2902.3	2929.5	2910.0	2959.4	3006.1
12.5°	2753.9	2772.7	2761.5	2795.0	2812.4	2796.4	2857.7	2882.8	2868.9	2920.4	2980.4
15°	2703.7	2724.6	2709.3	2739.2	2752.5	2738.6	2788.7	2831.9	2814.5	2870.9	2937.1
17.5°	2665.4	2677.2	2656.3	2680.0	2687.7	2668.9	2719.7	2762.2	2749.7	2811.0	2887.7
20°	2622.9	2632.6	2603.4	2616.6	2615.9	2592.2	2638.9	2680.7	2672.4	2739.9	2827.0
22.5°	2575.5	2580.4	2546.2	2549.0	2547.6	2508.6	2550.4	2592.9	2589.4	2657.7	2755.3
25°	2525.3	2526.0	2482.1	2480.7	2465.4	2419.4	2456.3	2504.4	2494.0	2567.8	2670.3
27.5°	2475.8	2468.9	2415.9	2403.4	2379.0	2323.9	2356.7	2399.9	2393.6	2466.1	2579.7
30°	2422.9	2413.8	2349.0	2326.0	2290.5	2227.1	2254.3	2294.7	2298.2	2361.6	2480.7
32.5°	2372.7	2349.7	2277.9	2244.5	2199.9	2126.0	2140.7	2181.8	2187.4	2251.5	2374.1
35°	2307.9	2292.6	2204.1	2146.9	2103.0	2022.2	2037.5	2066.1	2074.5	2137.2	2261.9
37.5°	2246.6	2222.2	2128.1	2058.4	2002.0	1917.0	1921.2	1950.4	1958.8	2022.2	2145.5
40°	2183.2	2148.3	2047.3	1965.8	1901.0	1811.8	1806.9	1837.5	1843.8	1905.8	2017.3
42.5°	2115.6	2073.8	1960.2	1871.0	1796.4	1705.8	1696.1	1722.6	1729.5	1790.2	1899.6
45°	2047.3	1997.1	1871.0	1773.4	1691.9	1599.2	1589.5	1609.7	1620.1	1677.3	1782.5
47.5°	1974.8	1916.3	1779.0	1670.3	1586.0	1493.3	1481.5	1501.7	1510.0	1566.5	1666.1
50°	1898.9	1827.8	1684.2	1564.4	1480.8	1389.5	1372.1	1395.8	1403.4	1456.4	1553.9
52.5°	1815.2	1736.5	1583.2	1457.8	1374.2	1287.0	1266.1	1289.1	1298.2	1349.8	1439.7
55°	1726.8	1641.7	1481.5	1359.5	1268.9	1183.9	1166.5	1175.6	1195.1	1243.8	1327.5
57.5°	1627.1	1542.8	1374.2	1250.1	1163.0	1081.5	1066.9	1075.2	1093.3	1140.7	1216.0
60°	1521.2	1432.0	1264.8	1140.7	1056.4	979.0	965.8	973.5	993.0	1036.2	1105.9
62.5°	1416.7	1316.3	1151.9	1028.5	951.9	880.1	876.6	873.8	891.9	933.8	995.1
65°	1289.8	1193.7	1034.1	917.0	847.3	782.5	768.6	774.9	792.3	830.6	894.7
67.5°	1154.0	1066.9	913.5	805.5	743.5	685.7	673.8	676.6	694.7	728.2	783.9
70°	1009.7	933.1	790.2	693.3	641.1	586.7	579.1	579.8	597.2	626.5	675.2
72.5°	858.5	789.5	665.5	582.6	539.3	500.3	493.4	485.0	501.0	526.1	567.9
75°	704.5	643.9	541.4	473.8	439.7	407.0	400.7	392.3	408.3	429.9	462.7
77.5°	549.1	500.3	420.9	368.6	342.1	317.8	312.2	303.1	319.1	335.2	361.0
80°	397.2	361.7	314.3	259.2	250.2	234.1	228.6	218.8	234.1	244.6	264.1
82.5°	256.4	232.7	205.6	167.2	165.8	154.0	151.2	140.1	154.0	160.3	174.9
85°	129.6	118.5	111.5	85.0	87.8	80.1	79.4	67.6	78.7	81.5	89.9
87.5°	36.9	39.0	34.8	20.9	26.5	25.1	25.1	18.1	25.1	25.1	28.6
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: P837736

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-2HI-30-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3
2.5°	2990.1	3002.0	3004.7	3004.0	3011.7	3053.5	3039.6	3053.5
5°	2997.1	3023.6	3030.5	3040.3	3052.8	3100.2	3084.9	3101.6
7.5°	3001.3	3041.0	3056.3	3075.1	3095.3	3148.3	3135.7	3152.5
10°	3001.3	3052.8	3075.1	3106.5	3133.7	3195.0	3183.1	3202.6
12.5°	2988.7	3054.9	3086.3	3130.2	3165.0	3231.2	3226.3	3240.3
15°	2962.9	3044.5	3087.7	3144.1	3187.3	3261.2	3259.1	3275.8
17.5°	2928.1	3026.3	3078.6	3149.7	3204.0	3287.0	3291.8	3300.9
20°	2884.2	2992.2	3060.5	3147.6	3215.9	3307.2	3313.4	3326.0
22.5°	2826.4	2951.1	3033.3	3138.5	3217.3	3315.5	3326.7	3338.5
25°	2758.1	2901.6	2997.8	3121.1	3210.3	3314.8	3330.2	3340.6
27.5°	2680.0	2837.5	2952.5	3093.2	3190.8	3303.7	3322.5	3335.0
30°	2589.4	2769.2	2900.9	3057.0	3164.3	3282.8	3303.0	3315.5
32.5°	2496.1	2694.0	2839.6	3010.3	3126.0	3249.3	3266.7	3276.5
35°	2394.3	2602.7	2765.7	2950.4	3076.5	3195.7	3208.9	3219.4
37.5°	2283.5	2503.7	2681.4	2882.8	3006.8	3121.1	3133.0	3144.8
40°	2169.2	2399.9	2586.6	2799.9	2923.9	3029.8	3042.4	3050.7
42.5°	2054.3	2284.9	2485.6	2702.3	2825.7	2927.4	2935.1	2943.4
45°	1937.9	2165.8	2372.0	2594.3	2716.3	2811.7	2814.5	2821.5
47.5°	1819.4	2042.4	2247.3	2471.0	2591.5	2678.6	2681.4	2687.0
50°	1700.3	1919.1	2114.2	2337.9	2455.6	2547.6	2535.1	2540.7
52.5°	1583.2	1789.5	1988.8	2194.3	2310.7	2392.2	2395.7	2384.6
55°	1468.2	1662.6	1845.9	2043.8	2154.6	2218.0	2215.9	2220.1
57.5°	1351.9	1534.4	1702.4	1883.5	1991.5	2051.5	2064.0	2049.4
60°	1233.4	1404.8	1555.3	1719.1	1823.6	1873.8	1888.4	1874.5
62.5°	1115.6	1273.1	1409.7	1552.5	1649.4	1711.4	1710.0	1694.7
65°	997.9	1140.7	1262.7	1383.9	1468.2	1530.2	1527.5	1513.5
67.5°	889.2	1006.9	1116.3	1214.6	1287.7	1330.3	1344.9	1328.2
70°	769.3	871.0	967.2	1045.9	1106.6	1144.9	1158.8	1144.2
72.5°	649.4	735.9	803.4	879.4	926.1	958.1	972.8	958.8
75°	531.0	602.1	657.1	716.3	749.1	776.3	793.0	779.1
77.5°	416.0	471.1	515.0	558.2	595.8	602.1	616.7	607.6
80°	306.6	346.3	378.4	407.0	434.1	436.9	448.8	443.2
82.5°	204.2	230.7	239.0	269.0	286.4	283.6	295.5	291.3
85°	108.0	124.0	138.7	147.7	157.5	148.4	158.9	154.7
87.5°	36.2	38.3	33.4	47.4	52.3	44.6	50.9	48.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)