

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: P837745

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-2HI-35-120-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: P837745
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-35-120-EDD
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

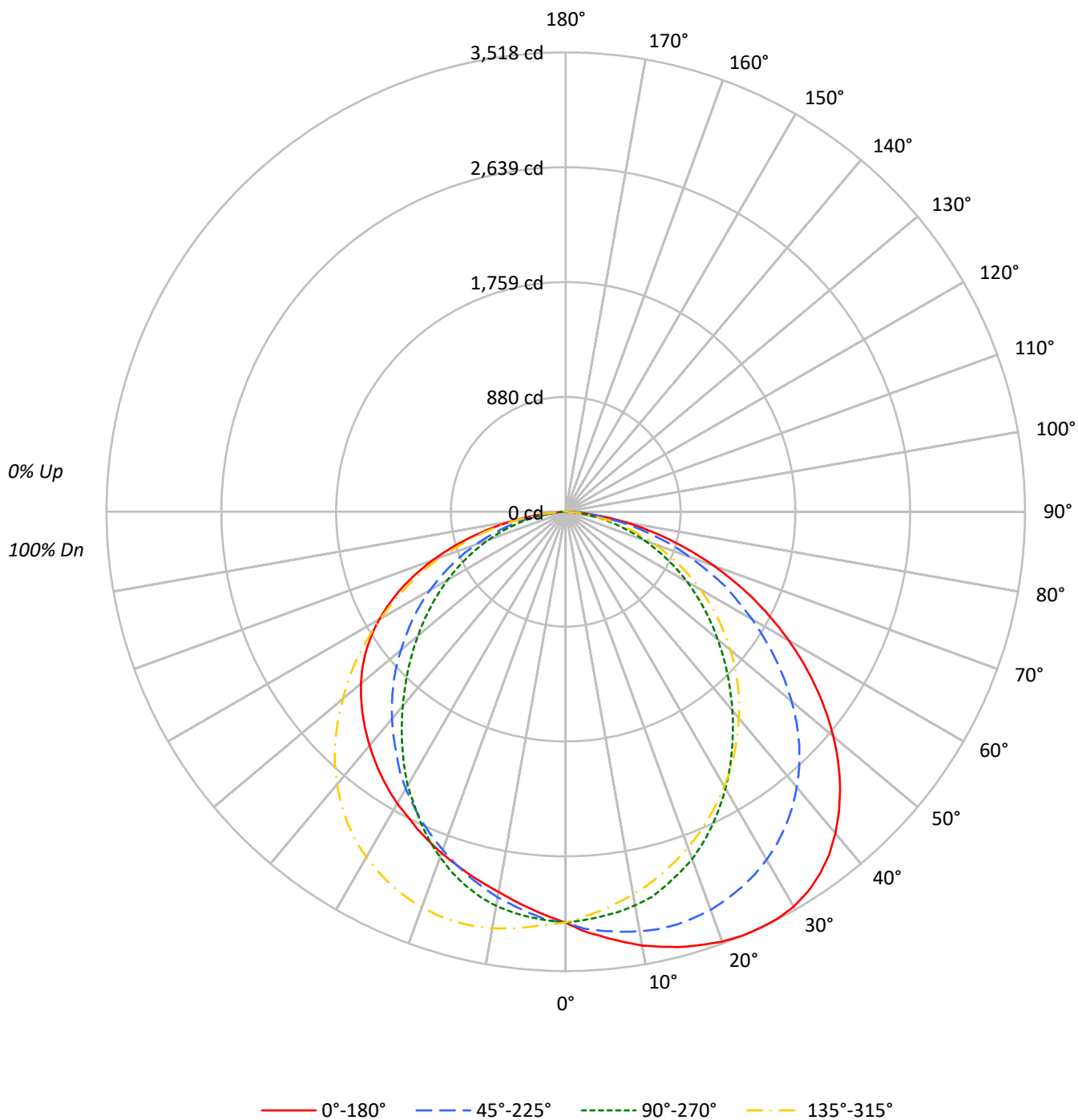
Lumens per Lamp: N/A
Luminaire Lumens: 9230.6 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	8466	8466	8466	8466
5°	8824	8406	8247	8420
10°	9217	8363	8080	8375
15°	9612	8256	8000	8258
20°	10031	8106	7965	8060
25°	10446	7880	7964	7799
30°	10850	7605	8018	7521
35°	11138	7293	8098	7177
40°	11287	6979	8211	6822
45°	11309	6661	8370	6494
50°	11202	6357	8575	6188
55°	10970	6074	8766	5905
60°	10625	5779	8883	5628
65°	10150	5440	8837	5313
70°	9482	5041	8523	4949
75°	8531	4495	7821	4472
80°	7234	3764	6574	3821
85°	5030	2492	4168	2560

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.7	3.2
10°-20°	865.0	9.4
20°-30°	1325.7	14.4
30°-40°	1611.9	17.5
40°-50°	1675.7	18.2
50°-60°	1513.6	16.4
60°-70°	1150.8	12.5
70°-80°	641.5	7.0
80°-90°	147.7	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°	2489.4	27.0
0°-40°	4101.3	44.4
0°-60°	7290.6	79.0
0°-90°	9230.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9230.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3146	3146	3146	3146	3146	
5°	3267	3112	3053	3117	3267	315
15°	3450	2964	2872	2964	3450	978
25°	3518	2654	2682	2627	3518	1625
35°	3391	2220	2465	2185	3391	2118
45°	2972	1750	2200	1706	2972	2288
55°	2338	1295	1868	1259	2338	2087
65°	1594	854	1388	834	1594	1575
75°	820	432	752	430	820	872
85°	163	81	135	83	163	205
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°	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2
2.5°	3215.9	3169.0	3169.7	3210.8	3179.2	3194.7	3150.6	3167.5	3162.4	3166.0	3130.1
5°	3266.6	3215.9	3215.2	3250.4	3215.2	3221.8	3166.0	3177.0	3160.9	3150.6	3111.7
7.5°	3320.2	3269.5	3264.4	3295.2	3249.0	3243.8	3182.2	3182.2	3152.8	3127.1	3090.4
10°	3373.0	3320.9	3314.3	3337.8	3280.5	3263.6	3188.8	3177.0	3138.1	3100.0	3060.4
12.5°	3412.6	3359.8	3354.6	3369.3	3304.7	3273.9	3188.8	3166.0	3108.8	3055.2	3024.4
15°	3450.1	3395.7	3381.8	3389.1	3315.0	3273.9	3178.5	3143.3	3069.9	2999.4	2963.5
17.5°	3476.5	3424.4	3410.4	3409.7	3320.2	3261.4	3156.5	3108.1	3020.0	2934.9	2898.9
20°	3502.9	3450.8	3433.2	3420.0	3318.7	3244.6	3124.2	3058.9	2956.1	2860.7	2830.6
22.5°	3516.1	3462.5	3443.4	3423.6	3309.1	3213.7	3084.6	3001.6	2884.2	2770.5	2745.5
25°	3518.3	3463.3	3442.7	3414.1	3290.1	3177.0	3033.2	2932.7	2801.3	2675.1	2653.8
27.5°	3512.4	3452.3	3431.7	3397.2	3261.4	3132.3	2972.3	2854.1	2713.2	2573.8	2551.0
30°	3491.9	3431.0	3411.2	3366.4	3221.1	3077.2	2905.5	2766.8	2615.6	2467.4	2447.5
32.5°	3450.8	3391.3	3375.2	3330.4	3177.0	3013.4	2827.7	2672.9	2507.7	2366.1	2336.7
35°	3390.6	3331.2	3320.9	3273.9	3115.4	2937.1	2742.6	2570.1	2393.2	2248.7	2220.0
37.5°	3312.1	3262.2	3246.8	3200.5	3042.7	2850.5	2645.0	2458.6	2276.6	2121.0	2103.4
40°	3213.0	3166.0	3154.3	3113.2	2958.3	2754.3	2539.3	2343.3	2156.2	2011.6	1986.7
42.5°	3100.0	3056.0	3049.3	3006.8	2854.1	2647.9	2424.8	2223.7	2030.7	1891.3	1866.3
45°	2971.6	2929.0	2927.5	2887.2	2740.4	2529.7	2304.4	2102.6	1908.1	1763.6	1750.3
47.5°	2829.9	2791.7	2791.7	2754.3	2613.4	2399.8	2180.4	1976.4	1784.8	1657.1	1633.7
50°	2675.8	2639.8	2628.8	2610.5	2473.2	2258.2	2049.8	1853.1	1663.0	1541.2	1518.4
52.5°	2511.4	2480.6	2487.9	2454.2	2321.3	2110.7	1917.7	1714.4	1540.5	1429.6	1406.9
55°	2338.2	2294.2	2300.8	2288.3	2162.8	1958.8	1769.4	1599.9	1420.1	1315.9	1294.6
57.5°	2158.4	2101.1	2124.6	2117.3	1994.0	1803.2	1633.7	1470.0	1300.5	1204.3	1183.8
60°	1974.2	1919.1	1943.4	1936.8	1820.8	1647.6	1493.5	1341.6	1181.6	1094.2	1073.7
62.5°	1784.8	1734.2	1756.2	1751.1	1644.7	1488.3	1354.0	1214.6	1062.0	983.4	964.3
65°	1594.0	1545.6	1565.4	1561.7	1463.4	1344.5	1210.9	1083.2	941.6	873.3	854.3
67.5°	1398.8	1354.0	1372.4	1372.4	1282.1	1168.4	1067.1	950.4	823.4	764.7	747.1
70°	1205.1	1163.2	1179.4	1177.9	1101.6	1009.1	921.8	817.6	703.8	655.4	640.7
72.5°	1009.8	973.1	987.8	986.4	922.5	863.1	776.5	686.2	587.1	548.2	535.0
75°	820.5	786.0	799.9	798.5	746.4	690.6	632.6	557.8	472.6	445.5	432.3
77.5°	640.0	604.7	616.5	616.5	578.3	537.9	491.7	433.7	373.6	344.2	334.7
80°	466.8	449.9	444.0	444.7	419.1	392.6	369.2	313.4	269.3	249.5	242.9
82.5°	306.8	292.8	287.0	288.4	273.7	257.6	242.9	204.0	174.7	162.9	159.3
85°	162.9	152.7	147.5	151.2	148.2	139.4	132.1	105.7	87.3	82.9	80.7
87.5°	51.4	44.8	41.1	54.3	46.2	41.1	39.6	31.6	24.2	24.2	23.5
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°	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2
2.5°	3141.8	3141.8	3113.2	3106.6	3103.7	3107.3	3078.7	3073.6	3114.7	3100.7	3069.2
5°	3116.9	3115.4	3075.0	3067.7	3067.7	3063.3	3031.0	3023.7	3064.8	3053.0	3018.5
7.5°	3086.0	3081.6	3033.9	3028.8	3021.5	3018.5	2982.6	2977.4	3012.7	3005.3	2973.0
10°	3048.6	3044.2	2987.7	2984.0	2976.0	2970.1	2936.3	2932.7	2968.6	2956.9	2931.2
12.5°	2999.4	2991.4	2933.4	2929.7	2923.1	2920.9	2887.9	2886.4	2926.1	2914.3	2887.2
15°	2934.9	2928.3	2863.7	2865.1	2865.9	2865.9	2839.5	2838.0	2876.9	2871.7	2842.4
17.5°	2863.7	2854.9	2793.2	2797.6	2802.8	2808.6	2788.1	2791.7	2832.8	2826.2	2799.8
20°	2782.9	2774.1	2714.0	2726.4	2737.4	2749.2	2736.0	2746.2	2784.4	2781.5	2761.7
22.5°	2692.7	2683.9	2628.1	2647.2	2665.5	2687.5	2681.7	2693.4	2733.8	2733.0	2715.4
25°	2582.6	2584.8	2535.6	2559.1	2589.9	2620.7	2623.0	2642.0	2686.8	2682.4	2666.3
27.5°	2479.8	2482.8	2430.7	2470.3	2511.4	2551.0	2560.6	2587.0	2632.5	2628.8	2614.9
30°	2372.0	2375.6	2325.0	2379.3	2429.2	2477.6	2498.2	2534.1	2580.4	2580.4	2565.7
32.5°	2259.7	2266.3	2213.4	2286.1	2344.1	2400.6	2436.5	2474.0	2526.8	2525.3	2512.9
35°	2144.4	2151.8	2103.4	2195.8	2253.8	2322.8	2367.6	2417.5	2464.4	2465.2	2455.6
37.5°	2027.0	2035.8	1991.8	2093.1	2159.1	2240.6	2297.8	2347.7	2399.8	2402.8	2394.0
40°	1910.3	1919.9	1881.7	1979.3	2063.0	2154.0	2220.0	2278.8	2336.0	2337.5	2331.6
42.5°	1793.6	1803.9	1775.3	1870.7	1965.4	2063.0	2140.8	2207.6	2266.3	2269.9	2263.3
45°	1679.9	1688.7	1668.1	1772.4	1863.4	1969.8	2059.3	2134.9	2194.4	2199.5	2197.3
47.5°	1566.9	1574.9	1556.6	1652.0	1757.0	1870.0	1973.5	2057.1	2120.2	2126.1	2124.6
50°	1456.1	1462.7	1442.8	1542.7	1646.9	1767.2	1875.1	1972.0	2042.4	2048.3	2047.6
52.5°	1346.0	1352.6	1335.7	1440.6	1535.3	1662.3	1779.7	1884.6	1954.4	1963.2	1964.6
55°	1239.6	1242.5	1229.3	1329.8	1421.6	1554.4	1689.4	1791.4	1861.2	1868.5	1872.9
57.5°	1133.1	1133.9	1122.9	1219.0	1307.1	1442.8	1584.5	1691.6	1757.7	1765.0	1771.6
60°	1027.5	1026.7	1014.2	1107.5	1191.9	1326.2	1473.7	1580.1	1643.9	1650.5	1659.3
62.5°	922.5	920.3	909.3	995.2	1074.4	1207.3	1355.5	1458.3	1519.2	1523.6	1535.3
65°	818.3	816.1	805.8	885.1	957.0	1084.0	1229.3	1326.9	1381.9	1387.8	1385.6
67.5°	715.6	711.1	703.1	774.3	839.6	957.0	1096.4	1189.6	1235.1	1240.3	1254.2
70°	612.8	607.7	589.3	664.9	722.2	827.1	957.0	1039.9	1078.1	1083.2	1081.0
72.5°	511.5	506.4	486.6	556.3	604.7	696.5	812.4	881.4	914.4	918.8	918.8
75°	413.2	410.2	397.8	450.6	491.0	565.8	664.2	721.4	747.1	752.2	750.8
77.5°	318.5	316.3	303.8	349.3	380.9	436.7	515.9	560.7	579.8	585.7	598.1
80°	228.2	227.5	207.7	252.5	266.4	313.4	371.4	405.8	416.1	424.2	433.0
82.5°	146.0	146.8	127.0	165.1	171.0	201.1	237.0	258.3	265.7	272.3	278.9
85°	71.2	74.1	63.1	87.3	88.1	103.5	118.9	127.0	129.9	135.0	140.9
87.5°	18.3	21.3	11.7	25.0	22.0	28.6	33.0	35.2	34.5	38.2	40.4
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°	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2
2.5°	3079.4	3102.9	3091.2	3129.3	3144.0	3120.5	3161.6	3162.4	3133.0	3167.5	3186.6
5°	3031.7	3056.0	3048.6	3088.2	3106.6	3086.0	3135.9	3145.5	3116.9	3155.8	3186.6
7.5°	2983.3	3011.9	3002.4	3042.7	3064.8	3048.6	3102.2	3117.6	3095.6	3138.1	3179.2
10°	2941.5	2965.7	2955.4	2998.0	3017.1	3003.8	3056.7	3085.3	3064.8	3116.9	3166.0
12.5°	2900.4	2920.2	2908.4	2943.7	2962.0	2945.1	3009.7	3036.1	3021.5	3075.8	3138.9
15°	2847.5	2869.5	2853.4	2885.0	2898.9	2884.2	2937.1	2982.6	2964.2	3023.7	3093.4
17.5°	2807.2	2819.6	2797.6	2822.6	2830.6	2810.8	2864.4	2909.2	2896.0	2960.5	3041.3
20°	2762.4	2772.7	2741.8	2755.8	2755.1	2730.1	2779.3	2823.3	2814.5	2885.7	2977.4
22.5°	2712.5	2717.6	2681.7	2684.6	2683.1	2642.0	2686.1	2730.8	2727.2	2799.1	2901.8
25°	2659.6	2660.4	2614.1	2612.7	2596.5	2548.1	2587.0	2637.6	2626.6	2704.4	2812.3
27.5°	2607.5	2600.2	2544.4	2531.2	2505.5	2447.5	2482.0	2527.5	2520.9	2597.3	2716.9
30°	2551.8	2542.2	2474.0	2449.8	2412.3	2345.5	2374.2	2416.7	2420.4	2487.2	2612.7
32.5°	2498.9	2474.7	2399.1	2363.9	2316.9	2239.1	2254.5	2297.8	2303.7	2371.2	2500.4
35°	2430.7	2414.5	2321.3	2261.1	2214.9	2129.8	2145.9	2176.0	2184.8	2250.9	2382.2
37.5°	2366.1	2340.4	2241.3	2167.9	2108.5	2019.0	2023.4	2054.2	2063.0	2129.8	2259.7
40°	2299.3	2262.6	2156.2	2070.3	2002.1	1908.1	1903.0	1935.3	1941.9	2007.2	2124.6
42.5°	2228.1	2184.1	2064.5	1970.5	1892.0	1796.6	1786.3	1814.2	1821.5	1885.4	2000.6
45°	2156.2	2103.4	1970.5	1867.8	1781.9	1684.3	1674.0	1695.3	1706.3	1766.5	1877.3
47.5°	2079.9	2018.2	1873.6	1759.2	1670.4	1572.7	1560.3	1581.5	1590.4	1649.8	1754.7
50°	1999.9	1925.0	1773.8	1647.6	1559.5	1463.4	1445.0	1470.0	1478.1	1533.8	1636.6
52.5°	1911.8	1828.9	1667.4	1535.3	1447.2	1355.5	1333.5	1357.7	1367.3	1421.6	1516.2
55°	1818.6	1729.1	1560.3	1431.8	1336.4	1246.9	1228.5	1238.1	1258.6	1310.0	1398.1
57.5°	1713.7	1624.8	1447.2	1316.6	1224.9	1139.0	1123.6	1132.4	1151.5	1201.4	1280.7
60°	1602.1	1508.2	1332.0	1201.4	1112.6	1031.1	1017.2	1025.3	1045.8	1091.3	1164.7
62.5°	1492.0	1386.3	1213.1	1083.2	1002.5	926.9	923.2	920.3	939.4	983.4	1048.0
65°	1358.4	1257.2	1089.1	965.8	892.4	824.2	809.5	816.1	834.4	874.8	942.3
67.5°	1215.3	1123.6	962.1	848.4	783.1	722.2	709.7	712.6	731.7	766.9	825.6
70°	1063.4	982.7	832.2	730.2	675.2	617.9	609.9	610.6	629.0	659.8	711.1
72.5°	904.2	831.5	700.9	613.5	568.0	526.9	519.6	510.8	527.7	554.1	598.1
75°	742.0	678.1	570.2	499.1	463.1	428.6	422.0	413.2	430.1	452.8	487.3
77.5°	578.3	526.9	443.3	388.2	360.3	334.7	328.8	319.2	336.1	353.0	380.2
80°	418.3	380.9	331.0	273.0	263.5	246.6	240.7	230.4	246.6	257.6	278.1
82.5°	270.1	245.1	216.5	176.1	174.7	162.2	159.3	147.5	162.2	168.8	184.2
85°	136.5	124.8	117.4	89.5	92.5	84.4	83.7	71.2	82.9	85.9	94.7
87.5°	38.9	41.1	36.7	22.0	27.9	26.4	26.4	19.1	26.4	26.4	30.1
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: P837745

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-2HI-35-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2	3146.2
2.5°	3149.2	3161.6	3164.6	3163.8	3171.9	3215.9	3201.3	3215.9
5°	3156.5	3184.4	3191.7	3202.0	3215.2	3265.1	3249.0	3266.6
7.5°	3160.9	3202.7	3218.9	3238.7	3260.0	3315.8	3302.5	3320.2
10°	3160.9	3215.2	3238.7	3271.7	3300.3	3364.9	3352.4	3373.0
12.5°	3147.7	3217.4	3250.4	3296.7	3333.4	3403.1	3397.9	3412.6
15°	3120.5	3206.4	3251.9	3311.3	3356.8	3434.6	3432.4	3450.1
17.5°	3083.8	3187.3	3242.4	3317.2	3374.5	3461.8	3466.9	3476.5
20°	3037.6	3151.4	3223.3	3315.0	3386.9	3483.1	3489.7	3502.9
22.5°	2976.7	3108.1	3194.7	3305.5	3388.4	3491.9	3503.6	3516.1
25°	2904.8	3056.0	3157.2	3287.1	3381.1	3491.2	3507.3	3518.3
27.5°	2822.6	2988.4	3109.5	3257.8	3360.5	3479.4	3499.2	3512.4
30°	2727.2	2916.5	3055.2	3219.6	3332.6	3457.4	3478.7	3491.9
32.5°	2628.8	2837.2	2990.6	3170.4	3292.3	3422.2	3440.5	3450.8
35°	2521.7	2741.1	2912.8	3107.3	3240.2	3365.7	3379.6	3390.6
37.5°	2405.0	2636.9	2824.0	3036.1	3166.8	3287.1	3299.6	3312.1
40°	2284.6	2527.5	2724.2	2948.8	3079.4	3191.0	3204.2	3213.0
42.5°	2163.5	2406.5	2617.8	2846.1	2976.0	3083.1	3091.2	3100.0
45°	2041.0	2281.0	2498.2	2732.3	2860.7	2961.3	2964.2	2971.6
47.5°	1916.2	2151.1	2366.8	2602.4	2729.4	2821.1	2824.0	2829.9
50°	1790.7	2021.2	2226.6	2462.2	2586.3	2683.1	2669.9	2675.8
52.5°	1667.4	1884.6	2094.5	2311.0	2433.6	2519.5	2523.1	2511.4
55°	1546.3	1751.1	1944.1	2152.5	2269.2	2336.0	2333.8	2338.2
57.5°	1423.8	1616.0	1792.9	1983.7	2097.5	2160.6	2173.8	2158.4
60°	1299.0	1479.5	1638.1	1810.5	1920.6	1973.5	1988.9	1974.2
62.5°	1175.0	1340.8	1484.7	1635.1	1737.1	1802.5	1801.0	1784.8
65°	1050.9	1201.4	1329.8	1457.5	1546.3	1611.6	1608.7	1594.0
67.5°	936.5	1060.5	1175.7	1279.2	1356.2	1401.0	1416.4	1398.8
70°	810.2	917.4	1018.7	1101.6	1165.4	1205.8	1220.5	1205.1
72.5°	684.0	775.0	846.2	926.2	975.4	1009.1	1024.5	1009.8
75°	559.2	634.1	692.1	754.4	788.9	817.6	835.2	820.5
77.5°	438.1	496.1	542.4	587.9	627.5	634.1	649.5	640.0
80°	322.9	364.7	398.5	428.6	457.2	460.2	472.6	466.8
82.5°	215.0	242.9	251.7	283.3	301.6	298.7	311.2	306.8
85°	113.8	130.6	146.0	155.6	165.9	156.3	167.3	162.9
87.5°	38.2	40.4	35.2	49.9	55.0	47.0	53.6	51.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)