

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: P837871

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-5HI-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: P837871
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-24-2-INS-ASY2R-LD4-5HI-30-120-EDD
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

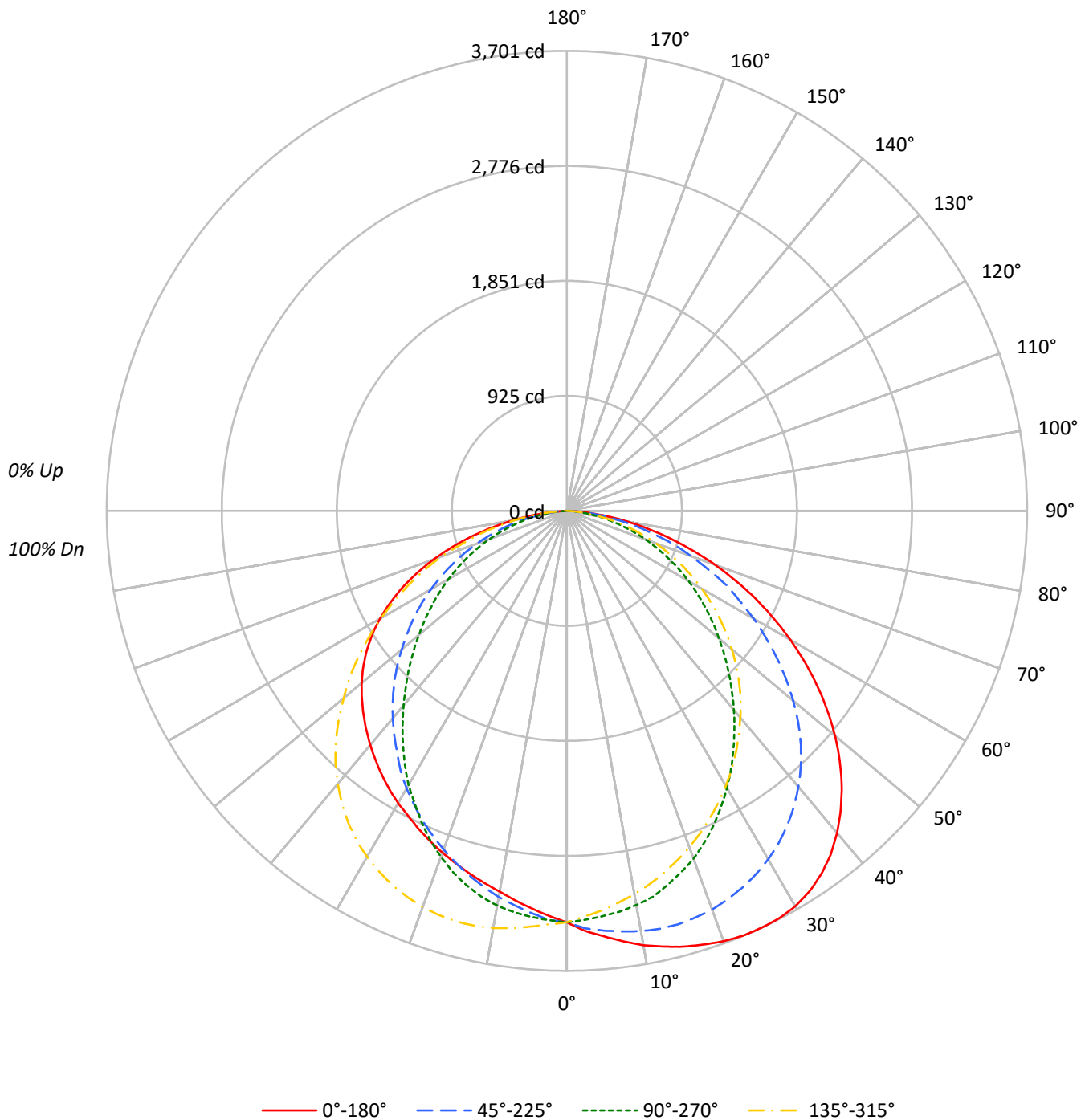
Lumens per Lamp: N/A
Luminaire Lumens: 9710.8 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 110
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8907	8907	8907	8907
5°	9283	8843	8676	8857
10°	9696	8798	8500	8810
15°	10111	8685	8417	8688
20°	10553	8528	8380	8479
25°	10990	8289	8379	8205
30°	11415	8001	8435	7912
35°	11718	7672	8520	7551
40°	11874	7342	8638	7176
45°	11897	7008	8806	6831
50°	11785	6687	9021	6510
55°	11540	6389	9222	6212
60°	11178	6079	9345	5921
65°	10677	5722	9296	5590
70°	9974	5303	8966	5206
75°	8975	4729	8228	4704
80°	7609	3961	6916	4020
85°	5292	2621	4387	2692

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.2	3.2
10°-20°	910.0	9.4
20°-30°	1394.6	14.4
30°-40°	1695.8	17.5
40°-50°	1762.8	18.2
50°-60°	1592.4	16.4
60°-70°	1210.6	12.5
70°-80°	674.9	7.0
80°-90°	155.4	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°	2618.9	27.0
0°-40°	4314.6	44.4
0°-60°	7669.8	79.0
0°-90°	9710.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9710.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3310	3310	3310	3310	3310	
5°	3436	3274	3212	3279	3436	331
15°	3630	3118	3021	3118	3630	1029
25°	3701	2792	2822	2763	3701	1710
35°	3567	2336	2593	2298	3567	2228
45°	3126	1841	2314	1795	3126	2407
55°	2460	1362	1966	1324	2460	2196
65°	1677	899	1460	878	1677	1657
75°	863	455	791	452	863	917
85°	171	85	142	87	171	216
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°	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9
2.5°	3383.2	3333.8	3334.6	3377.8	3344.6	3360.8	3314.5	3332.3	3326.9	3330.7	3292.9
5°	3436.5	3383.2	3382.5	3419.5	3382.5	3389.4	3330.7	3342.3	3325.3	3314.5	3273.6
7.5°	3492.9	3439.6	3434.2	3466.6	3418.0	3412.6	3347.7	3347.7	3316.8	3289.8	3251.2
10°	3548.5	3493.6	3486.7	3511.4	3451.2	3433.4	3354.7	3342.3	3301.4	3261.2	3219.6
12.5°	3590.2	3534.6	3529.2	3544.6	3476.7	3444.2	3354.7	3330.7	3270.5	3214.2	3181.7
15°	3629.5	3572.4	3557.7	3565.4	3487.5	3444.2	3343.9	3306.8	3229.6	3155.5	3117.6
17.5°	3657.3	3602.5	3587.8	3587.1	3492.9	3431.1	3320.7	3269.7	3177.1	3087.5	3049.7
20°	3685.1	3630.3	3611.8	3597.9	3491.3	3413.3	3286.7	3218.0	3109.9	3009.6	2977.9
22.5°	3699.0	3642.7	3622.6	3601.7	3481.3	3380.9	3245.0	3157.8	3034.3	2914.6	2888.3
25°	3701.3	3643.4	3621.8	3591.7	3461.2	3342.3	3191.0	3085.2	2947.0	2814.2	2791.8
27.5°	3695.2	3631.8	3610.2	3573.9	3431.1	3295.2	3126.9	3002.6	2854.4	2707.7	2683.7
30°	3673.5	3609.5	3588.6	3541.5	3388.6	3237.3	3056.6	2910.7	2751.7	2595.7	2574.9
32.5°	3630.3	3567.8	3550.8	3503.7	3342.3	3170.1	2974.8	2811.9	2638.2	2489.2	2458.3
35°	3567.0	3504.5	3493.6	3444.2	3277.5	3089.8	2885.2	2703.8	2517.7	2365.6	2335.5
37.5°	3484.4	3431.9	3415.7	3367.0	3201.0	2998.7	2782.6	2586.5	2395.0	2231.3	2212.8
40°	3380.1	3330.7	3318.4	3275.1	3112.2	2897.6	2671.4	2465.2	2268.4	2116.3	2090.0
42.5°	3261.2	3214.9	3208.0	3163.2	3002.6	2785.7	2550.9	2339.4	2136.3	1989.6	1963.4
45°	3126.1	3081.4	3079.8	3037.3	2882.9	2661.3	2424.3	2212.0	2007.4	1855.3	1841.4
47.5°	2977.1	2937.0	2937.0	2897.6	2749.4	2524.7	2293.8	2079.2	1877.7	1743.3	1718.6
50°	2815.0	2777.2	2765.6	2746.3	2601.9	2375.7	2156.4	1949.5	1749.5	1621.4	1597.4
52.5°	2642.0	2609.6	2617.3	2581.8	2442.1	2220.5	2017.4	1803.6	1620.6	1504.0	1480.1
55°	2459.8	2413.5	2420.5	2407.3	2275.3	2060.7	1861.5	1683.1	1494.0	1384.3	1361.9
57.5°	2270.7	2210.5	2235.2	2227.4	2097.7	1897.0	1718.6	1546.5	1368.1	1267.0	1245.4
60°	2076.9	2019.0	2044.5	2037.5	1915.5	1733.3	1571.2	1411.4	1243.0	1151.2	1129.5
62.5°	1877.7	1824.4	1847.6	1842.2	1730.2	1565.8	1424.5	1277.8	1117.2	1034.6	1014.5
65°	1676.9	1626.0	1646.8	1643.0	1539.5	1414.4	1273.9	1139.6	990.6	918.8	898.7
67.5°	1471.6	1424.5	1443.8	1443.8	1348.8	1229.1	1122.6	999.8	866.3	804.5	786.0
70°	1267.7	1223.7	1240.7	1239.2	1158.9	1061.6	969.7	860.1	740.4	689.5	674.0
72.5°	1062.4	1023.8	1039.2	1037.7	970.5	908.0	816.9	721.9	617.7	576.7	562.8
75°	863.2	826.9	841.6	840.0	785.2	726.5	665.5	586.8	497.2	468.7	454.8
77.5°	673.3	636.2	648.5	648.5	608.4	565.9	517.3	456.3	393.0	362.1	352.1
80°	491.0	473.3	467.1	467.9	440.9	413.1	388.4	329.7	283.4	262.5	255.6
82.5°	322.7	308.1	301.9	303.4	288.0	271.0	255.6	214.6	183.8	171.4	167.5
85°	171.4	160.6	155.2	159.0	156.0	146.7	139.0	111.2	91.9	87.2	84.9
87.5°	54.0	47.1	43.2	57.1	48.6	43.2	41.7	33.2	25.5	25.5	24.7
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°	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9
2.5°	3305.3	3305.3	3275.1	3268.2	3265.1	3269.0	3238.9	3233.5	3276.7	3262.0	3228.8
5°	3279.0	3277.5	3235.0	3227.3	3227.3	3222.6	3188.7	3181.0	3224.2	3211.8	3175.5
7.5°	3246.6	3241.9	3191.8	3186.4	3178.6	3175.5	3137.7	3132.3	3169.4	3161.7	3127.7
10°	3207.2	3202.6	3143.1	3139.3	3130.8	3124.6	3089.1	3085.2	3123.0	3110.7	3083.7
12.5°	3155.5	3147.0	3086.0	3082.1	3075.2	3072.9	3038.1	3036.6	3078.3	3065.9	3037.3
15°	3087.5	3080.6	3012.6	3014.2	3015.0	3015.0	2987.2	2985.6	3026.5	3021.1	2990.3
17.5°	3012.6	3003.4	2938.5	2943.2	2948.6	2954.7	2933.1	2937.0	2980.2	2973.3	2945.5
20°	2927.7	2918.4	2855.1	2868.3	2879.8	2892.2	2878.3	2889.1	2929.3	2926.2	2905.3
22.5°	2832.7	2823.5	2764.8	2784.9	2804.2	2827.3	2821.2	2833.5	2876.0	2875.2	2856.7
25°	2716.9	2719.3	2667.5	2692.2	2724.7	2757.1	2759.4	2779.5	2826.6	2821.9	2805.0
27.5°	2608.8	2611.9	2557.1	2598.8	2642.0	2683.7	2693.8	2721.6	2769.4	2765.6	2750.9
30°	2495.3	2499.2	2445.9	2503.1	2555.6	2606.5	2628.1	2666.0	2714.6	2714.6	2699.2
32.5°	2377.2	2384.2	2328.6	2405.0	2466.0	2525.5	2563.3	2602.7	2658.3	2656.7	2643.6
35°	2256.0	2263.7	2212.8	2310.1	2371.0	2443.6	2490.7	2543.2	2592.6	2593.4	2583.4
37.5°	2132.5	2141.7	2095.4	2202.0	2271.4	2357.1	2417.4	2469.9	2524.7	2527.8	2518.5
40°	2009.7	2019.8	1979.6	2082.3	2170.3	2266.0	2335.5	2397.3	2457.5	2459.1	2452.9
42.5°	1887.0	1897.8	1867.7	1968.0	2067.6	2170.3	2252.1	2322.4	2384.2	2388.0	2381.1
45°	1767.3	1776.5	1754.9	1864.6	1960.3	2072.3	2166.4	2246.0	2308.5	2313.9	2311.6
47.5°	1648.4	1656.9	1637.6	1737.9	1848.3	1967.2	2076.1	2164.1	2230.5	2236.7	2235.2
50°	1531.8	1538.7	1517.9	1622.9	1732.5	1859.2	1972.7	2074.6	2148.7	2154.9	2154.1
52.5°	1416.0	1422.9	1405.2	1515.6	1615.2	1748.8	1872.3	1982.7	2056.0	2065.3	2066.8
55°	1304.0	1307.1	1293.2	1399.0	1495.5	1635.3	1777.3	1884.6	1958.0	1965.7	1970.3
57.5°	1192.1	1192.9	1181.3	1282.4	1375.1	1517.9	1666.9	1779.6	1849.1	1856.8	1863.8
60°	1080.9	1080.1	1067.0	1165.1	1253.9	1395.1	1550.3	1662.3	1729.5	1736.4	1745.7
62.5°	970.5	968.2	956.6	1046.9	1130.3	1270.1	1426.0	1534.1	1598.2	1602.8	1615.2
65°	860.9	858.5	847.7	931.1	1006.8	1140.4	1293.2	1395.9	1453.8	1460.0	1457.7
67.5°	752.8	748.1	739.6	814.5	883.3	1006.8	1153.5	1251.5	1299.4	1304.8	1319.5
70°	644.7	639.3	620.0	699.5	759.7	870.1	1006.8	1094.0	1134.2	1139.6	1137.3
72.5°	538.1	532.7	511.9	585.2	636.2	732.7	854.7	927.3	962.0	966.6	966.6
75°	434.7	431.6	418.5	474.1	516.5	595.3	698.7	759.0	786.0	791.4	789.8
77.5°	335.1	332.8	319.6	367.5	400.7	459.4	542.8	589.9	609.9	616.1	629.2
80°	240.1	239.3	218.5	265.6	280.3	329.7	390.7	427.0	437.8	446.3	455.5
82.5°	153.6	154.4	133.6	173.7	179.9	211.5	249.4	271.8	279.5	286.4	293.4
85°	74.9	78.0	66.4	91.9	92.6	108.9	125.1	133.6	136.7	142.1	148.2
87.5°	19.3	22.4	12.4	26.3	23.2	30.1	34.7	37.1	36.3	40.1	42.5
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9
2.5°	3239.6	3264.3	3252.0	3292.1	3307.6	3282.9	3326.1	3326.9	3296.0	3332.3	3352.4
5°	3189.4	3214.9	3207.2	3248.9	3268.2	3246.6	3299.1	3309.1	3279.0	3319.9	3352.4
7.5°	3138.5	3168.6	3158.6	3201.0	3224.2	3207.2	3263.6	3279.8	3256.6	3301.4	3344.6
10°	3094.5	3120.0	3109.1	3153.9	3174.0	3160.1	3215.7	3245.8	3224.2	3279.0	3330.7
12.5°	3051.2	3072.1	3059.7	3096.8	3116.1	3098.3	3166.3	3194.1	3178.6	3235.8	3302.2
15°	2995.7	3018.8	3001.8	3035.0	3049.7	3034.3	3089.8	3137.7	3118.4	3181.0	3254.3
17.5°	2953.2	2966.3	2943.2	2969.4	2977.9	2957.1	3013.4	3060.5	3046.6	3114.6	3199.5
20°	2906.1	2916.9	2884.5	2899.1	2898.4	2872.1	2923.9	2970.2	2960.9	3035.8	3132.3
22.5°	2853.6	2859.0	2821.2	2824.3	2822.7	2779.5	2825.8	2872.9	2869.0	2944.7	3052.8
25°	2798.0	2798.8	2750.1	2748.6	2731.6	2680.6	2721.6	2774.8	2763.3	2845.1	2958.6
27.5°	2743.2	2735.5	2676.8	2662.9	2635.9	2574.9	2611.2	2659.0	2652.1	2732.4	2858.2
30°	2684.5	2674.5	2602.7	2577.2	2537.8	2467.6	2497.7	2542.4	2546.3	2616.6	2748.6
32.5°	2628.9	2603.4	2523.9	2486.9	2437.4	2355.6	2371.8	2417.4	2423.5	2494.6	2630.5
35°	2557.1	2540.1	2442.1	2378.8	2330.1	2240.6	2257.6	2289.2	2298.5	2368.0	2506.2
37.5°	2489.2	2462.2	2357.9	2280.7	2218.2	2124.0	2128.6	2161.0	2170.3	2240.6	2377.2
40°	2418.9	2380.3	2268.4	2178.0	2106.2	2007.4	2002.0	2036.0	2042.9	2111.6	2235.2
42.5°	2344.0	2297.7	2171.8	2073.0	1990.4	1890.0	1879.2	1908.6	1916.3	1983.5	2104.7
45°	2268.4	2212.8	2073.0	1964.9	1874.6	1771.9	1761.1	1783.5	1795.1	1858.4	1975.0
47.5°	2188.1	2123.2	1971.1	1850.7	1757.2	1654.6	1641.4	1663.8	1673.1	1735.6	1846.0
50°	2103.9	2025.2	1866.1	1733.3	1640.7	1539.5	1520.2	1546.5	1555.0	1613.6	1721.7
52.5°	2011.3	1924.0	1754.2	1615.2	1522.5	1426.0	1402.9	1428.3	1438.4	1495.5	1595.1
55°	1913.2	1819.0	1641.4	1506.3	1406.0	1311.8	1292.5	1302.5	1324.1	1378.2	1470.8
57.5°	1802.8	1709.4	1522.5	1385.1	1288.6	1198.3	1182.0	1191.3	1211.4	1263.9	1347.3
60°	1685.4	1586.6	1401.3	1263.9	1170.5	1084.8	1070.1	1078.6	1100.2	1148.1	1225.3
62.5°	1569.6	1458.5	1276.2	1139.6	1054.7	975.1	971.3	968.2	988.3	1034.6	1102.5
65°	1429.1	1322.6	1145.8	1016.1	938.8	867.0	851.6	858.5	877.9	920.3	991.3
67.5°	1278.6	1182.0	1012.2	892.5	823.8	759.7	746.6	749.7	769.8	806.8	868.6
70°	1118.7	1033.8	875.5	768.2	710.3	650.1	641.6	642.4	661.7	694.1	748.1
72.5°	951.2	874.8	737.3	645.5	597.6	554.4	546.6	537.4	555.1	582.9	629.2
75°	780.6	713.4	599.9	525.0	487.2	450.9	443.9	434.7	452.4	476.4	512.7
77.5°	608.4	554.4	466.3	408.4	379.1	352.1	345.9	335.9	353.6	371.4	399.9
80°	440.1	400.7	348.2	287.2	277.2	259.4	253.2	242.4	259.4	271.0	292.6
82.5°	284.1	257.9	227.8	185.3	183.8	170.6	167.5	155.2	170.6	177.6	193.8
85°	143.6	131.3	123.5	94.2	97.3	88.8	88.0	74.9	87.2	90.3	99.6
87.5°	40.9	43.2	38.6	23.2	29.3	27.8	27.8	20.1	27.8	27.8	31.7
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: P837871

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-5HI-30-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9	3309.9
2.5°	3313.0	3326.1	3329.2	3328.4	3336.9	3383.2	3367.8	3383.2
5°	3320.7	3350.0	3357.8	3368.6	3382.5	3435.0	3418.0	3436.5
7.5°	3325.3	3369.3	3386.3	3407.2	3429.6	3488.2	3474.3	3492.9
10°	3325.3	3382.5	3407.2	3441.9	3472.0	3540.0	3526.8	3548.5
12.5°	3311.4	3384.8	3419.5	3468.2	3506.8	3580.1	3574.7	3590.2
15°	3282.9	3373.2	3421.1	3483.6	3531.5	3613.3	3611.0	3629.5
17.5°	3244.3	3353.1	3411.0	3489.8	3550.0	3641.9	3647.3	3657.3
20°	3195.6	3315.3	3391.0	3487.5	3563.1	3664.3	3671.2	3685.1
22.5°	3131.5	3269.7	3360.8	3477.4	3564.7	3673.5	3685.9	3699.0
25°	3055.9	3214.9	3321.5	3458.1	3557.0	3672.8	3689.8	3701.3
27.5°	2969.4	3143.9	3271.3	3427.2	3535.3	3660.4	3681.3	3695.2
30°	2869.0	3068.2	3214.2	3387.1	3506.0	3637.2	3659.6	3673.5
32.5°	2765.6	2984.8	3146.2	3335.4	3463.5	3600.2	3619.5	3630.3
35°	2652.9	2883.7	3064.4	3269.0	3408.7	3540.7	3555.4	3567.0
37.5°	2530.1	2774.1	2970.9	3194.1	3331.5	3458.1	3471.3	3484.4
40°	2403.5	2659.0	2865.9	3102.2	3239.6	3357.0	3370.9	3380.1
42.5°	2276.1	2531.6	2754.0	2994.1	3130.8	3243.5	3252.0	3261.2
45°	2147.1	2399.6	2628.1	2874.4	3009.6	3115.3	3118.4	3126.1
47.5°	2015.9	2263.0	2489.9	2737.8	2871.4	2967.9	2970.9	2977.1
50°	1883.9	2126.3	2342.5	2590.3	2720.8	2822.7	2808.8	2815.0
52.5°	1754.2	1982.7	2203.5	2431.3	2560.2	2650.5	2654.4	2642.0
55°	1626.8	1842.2	2045.2	2264.5	2387.3	2457.5	2455.2	2459.8
57.5°	1497.8	1700.1	1886.2	2086.9	2206.6	2273.0	2286.9	2270.7
60°	1366.6	1556.5	1723.3	1904.7	2020.5	2076.1	2092.3	2076.9
62.5°	1236.1	1410.6	1561.9	1720.2	1827.5	1896.2	1894.7	1877.7
65°	1105.6	1263.9	1399.0	1533.3	1626.8	1695.5	1692.4	1676.9
67.5°	985.2	1115.6	1236.9	1345.7	1426.8	1473.9	1490.1	1471.6
70°	852.4	965.1	1071.6	1158.9	1226.1	1268.5	1284.0	1267.7
72.5°	719.6	815.3	890.2	974.4	1026.1	1061.6	1077.8	1062.4
75°	588.3	667.1	728.1	793.7	830.0	860.1	878.6	863.2
77.5°	460.9	521.9	570.6	618.4	660.1	667.1	683.3	673.3
80°	339.7	383.7	419.2	450.9	481.0	484.1	497.2	491.0
82.5°	226.2	255.6	264.8	298.0	317.3	314.2	327.4	322.7
85°	119.7	137.4	153.6	163.7	174.5	164.5	176.0	171.4
87.5°	40.1	42.5	37.1	52.5	57.9	49.4	56.4	54.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)