

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: P837999

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6STD-35-120-EDD-90**

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: P837999
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-LD4-6STD-35-120-EDD-90
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

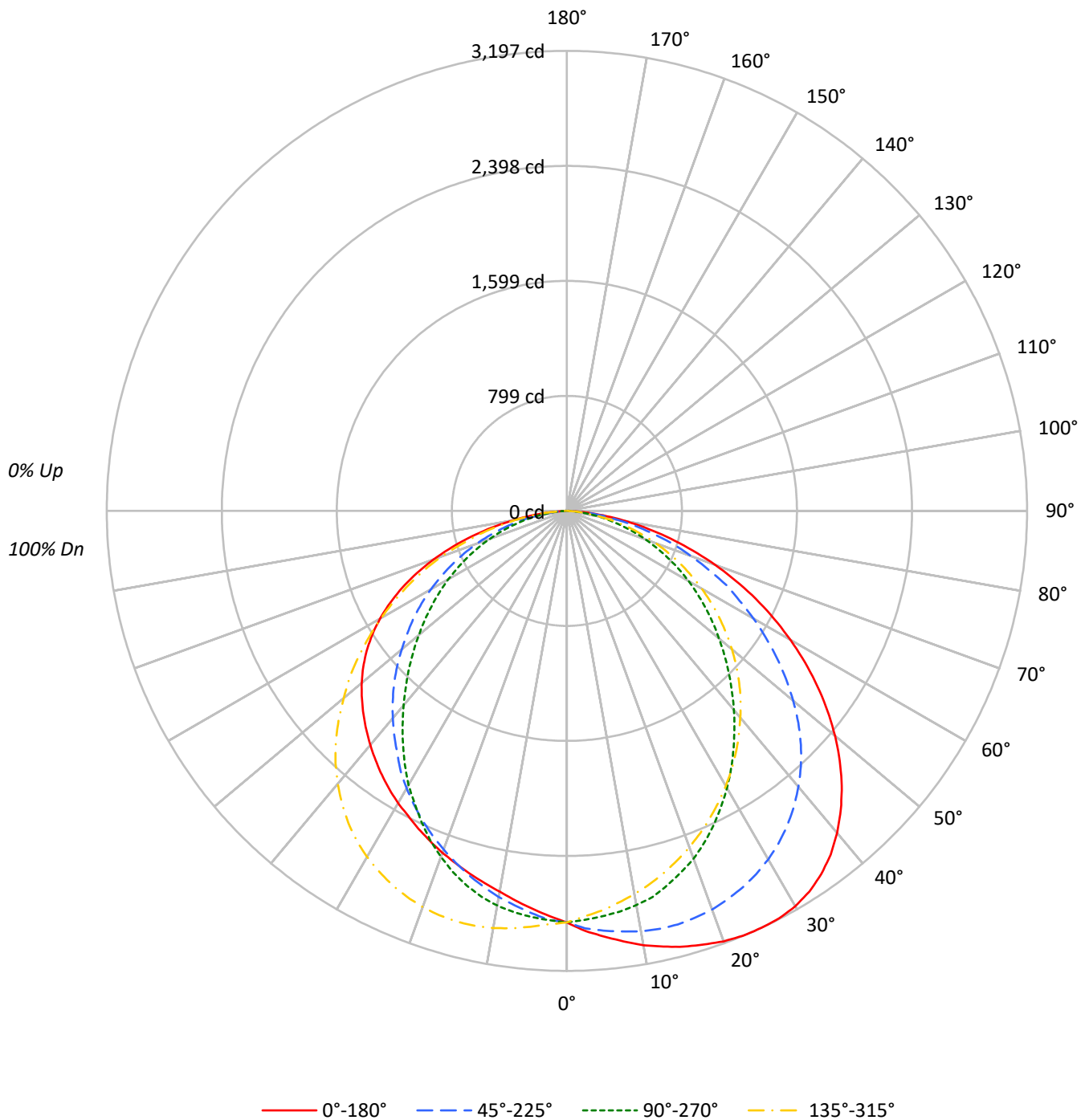
Lumens per Lamp: N/A
Luminaire Lumens: 8388.7 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 99.9
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°	7694	7694	7694	7694
5°	8019	7639	7495	7652
10°	8376	7600	7343	7611
15°	8735	7503	7271	7505
20°	9116	7367	7239	7325
25°	9494	7161	7238	7088
30°	9861	6912	7287	6835
35°	10123	6628	7360	6523
40°	10257	6342	7462	6199
45°	10277	6054	7607	5901
50°	10180	5777	7793	5624
55°	9969	5520	7967	5366
60°	9656	5252	8073	5115
65°	9224	4943	8031	4828
70°	8617	4581	7745	4497
75°	7753	4084	7107	4063
80°	6574	3422	5974	3473
85°	4573	2266	3788	2328

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	3.2
10°-20°	786.1	9.4
20°-30°	1204.7	14.4
30°-40°	1464.9	17.5
40°-50°	1522.8	18.2
50°-60°	1375.6	16.4
60°-70°	1045.8	12.5
70°-80°	583.0	7.0
80°-90°	134.2	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°	2262.3	27.0
0°-40°	3727.2	44.4
0°-60°	6625.6	79.0
0°-90°	8388.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8388.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2859	2859	2859	2859	2859	
5°	2969	2828	2775	2833	2969	286
15°	3135	2693	2610	2694	3135	889
25°	3197	2412	2438	2387	3197	1477
35°	3081	2018	2240	1986	3081	1925
45°	2700	1591	1999	1551	2700	2079
55°	2125	1176	1698	1144	2125	1897
65°	1449	776	1261	758	1449	1432
75°	746	393	684	391	746	792
85°	148	73	123	75	148	186
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°	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3
2.5°	2922.6	2879.9	2880.6	2918.0	2889.3	2903.3	2863.3	2878.6	2873.9	2877.3	2844.6
5°	2968.7	2922.6	2922.0	2954.0	2922.0	2928.0	2877.3	2887.3	2872.6	2863.3	2827.9
7.5°	3017.3	2971.3	2966.7	2994.7	2952.6	2948.0	2892.0	2892.0	2865.3	2841.9	2808.6
10°	3065.4	3018.0	3012.0	3033.3	2981.3	2966.0	2898.0	2887.3	2851.9	2817.3	2781.2
12.5°	3101.4	3053.4	3048.7	3062.0	3003.3	2975.3	2898.0	2877.3	2825.3	2776.6	2748.6
15°	3135.4	3086.0	3073.4	3080.0	3012.7	2975.3	2888.6	2856.6	2789.9	2725.9	2693.2
17.5°	3159.4	3112.1	3099.4	3098.7	3017.3	2964.0	2868.6	2824.6	2744.6	2667.2	2634.5
20°	3183.4	3136.1	3120.1	3108.0	3016.0	2948.6	2839.3	2779.9	2686.5	2599.8	2572.5
22.5°	3195.4	3146.7	3129.4	3111.4	3007.3	2920.6	2803.2	2727.9	2621.2	2517.8	2495.1
25°	3197.4	3147.4	3128.7	3102.7	2990.0	2887.3	2756.6	2665.2	2545.8	2431.1	2411.7
27.5°	3192.1	3137.4	3118.7	3087.4	2964.0	2846.6	2701.2	2593.8	2465.8	2339.0	2318.4
30°	3173.4	3118.1	3100.0	3059.4	2927.3	2796.6	2640.5	2514.5	2377.1	2242.3	2224.3
32.5°	3136.1	3082.0	3067.4	3026.7	2887.3	2738.6	2569.8	2429.1	2279.0	2150.3	2123.6
35°	3081.4	3027.3	3018.0	2975.3	2831.3	2669.2	2492.4	2335.7	2175.0	2043.6	2017.6
37.5°	3010.0	2964.7	2950.6	2908.6	2765.2	2590.5	2403.7	2234.3	2068.9	1927.5	1911.5
40°	2920.0	2877.3	2866.6	2829.3	2688.5	2503.1	2307.7	2129.6	1959.5	1828.1	1805.5
42.5°	2817.3	2777.2	2771.2	2732.5	2593.8	2406.4	2203.6	2020.9	1845.5	1718.8	1696.1
45°	2700.5	2661.9	2660.5	2623.8	2490.4	2299.0	2094.3	1910.8	1734.1	1602.7	1590.7
47.5°	2571.8	2537.1	2537.1	2503.1	2375.1	2181.0	1981.5	1796.1	1622.1	1506.0	1484.7
50°	2431.7	2399.1	2389.1	2372.4	2247.7	2052.2	1862.8	1684.1	1511.3	1400.6	1379.9
52.5°	2282.3	2254.3	2261.0	2230.3	2109.6	1918.2	1742.8	1558.0	1400.0	1299.2	1278.6
55°	2124.9	2084.9	2090.9	2079.6	1965.5	1780.1	1608.0	1454.0	1290.6	1195.9	1176.5
57.5°	1961.5	1909.5	1930.9	1924.2	1812.1	1638.7	1484.7	1335.9	1181.9	1094.5	1075.8
60°	1794.1	1744.1	1766.1	1760.1	1654.7	1497.3	1357.3	1219.2	1073.8	994.4	975.8
62.5°	1622.1	1576.0	1596.0	1591.4	1494.7	1352.6	1230.5	1103.8	965.1	893.7	876.4
65°	1448.6	1404.6	1422.6	1419.3	1329.9	1221.9	1100.5	984.4	855.7	793.7	776.3
67.5°	1271.2	1230.5	1247.2	1247.2	1165.2	1061.8	969.8	863.7	748.3	695.0	679.0
70°	1095.2	1057.1	1071.8	1070.5	1001.1	917.1	837.7	743.0	639.6	595.6	582.3
72.5°	917.7	884.4	897.7	896.4	838.4	784.3	705.6	623.6	533.6	498.2	486.2
75°	745.7	714.3	727.0	725.7	678.3	627.6	574.9	506.9	429.5	404.8	392.8
77.5°	581.6	549.6	560.2	560.2	525.6	488.9	446.9	394.2	339.5	312.8	304.1
80°	424.2	408.8	403.5	404.2	380.8	356.8	335.5	284.8	244.8	226.8	220.8
82.5°	278.8	266.1	260.8	262.1	248.8	234.1	220.8	185.4	158.7	148.1	144.7
85°	148.1	138.7	134.1	137.4	134.7	126.7	120.1	96.0	79.4	75.4	73.4
87.5°	46.7	40.7	37.3	49.4	42.0	37.3	36.0	28.7	22.0	22.0	21.3
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°	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3
2.5°	2855.3	2855.3	2829.3	2823.3	2820.6	2823.9	2797.9	2793.2	2830.6	2817.9	2789.2
5°	2832.6	2831.3	2794.6	2787.9	2787.9	2783.9	2754.6	2747.9	2785.2	2774.6	2743.2
7.5°	2804.6	2800.6	2757.2	2752.6	2745.9	2743.2	2710.5	2705.9	2737.9	2731.2	2701.9
10°	2770.6	2766.6	2715.2	2711.9	2704.5	2699.2	2668.5	2665.2	2697.9	2687.2	2663.9
12.5°	2725.9	2718.5	2665.9	2662.5	2656.5	2654.5	2624.5	2623.2	2659.2	2648.5	2623.8
15°	2667.2	2661.2	2602.5	2603.8	2604.5	2604.5	2580.5	2579.1	2614.5	2609.8	2583.1
17.5°	2602.5	2594.5	2538.5	2542.5	2547.1	2552.5	2533.8	2537.1	2574.5	2568.5	2544.5
20°	2529.1	2521.1	2466.4	2477.8	2487.8	2498.4	2486.4	2495.8	2530.5	2527.8	2509.8
22.5°	2447.1	2439.1	2388.4	2405.7	2422.4	2442.4	2437.1	2447.8	2484.4	2483.8	2467.8
25°	2347.0	2349.0	2304.4	2325.7	2353.7	2381.7	2383.7	2401.1	2441.8	2437.8	2423.1
27.5°	2253.7	2256.3	2209.0	2245.0	2282.3	2318.4	2327.0	2351.0	2392.4	2389.1	2376.4
30°	2155.6	2159.0	2112.9	2162.3	2207.6	2251.7	2270.3	2303.0	2345.0	2345.0	2331.7
32.5°	2053.6	2059.6	2011.6	2077.6	2130.3	2181.6	2214.3	2248.3	2296.4	2295.0	2283.7
35°	1948.9	1955.5	1911.5	1995.6	2048.2	2110.9	2151.6	2197.0	2239.7	2240.3	2231.7
37.5°	1842.2	1850.2	1810.1	1902.2	1962.2	2036.2	2088.3	2133.6	2181.0	2183.6	2175.6
40°	1736.1	1744.8	1710.1	1798.8	1874.8	1957.5	2017.6	2070.9	2122.9	2124.3	2118.9
42.5°	1630.1	1639.4	1613.4	1700.1	1786.1	1874.8	1945.5	2006.2	2059.6	2062.9	2056.9
45°	1526.7	1534.7	1516.0	1610.7	1693.4	1790.1	1871.5	1940.2	1994.2	1998.9	1996.9
47.5°	1424.0	1431.3	1414.6	1501.3	1596.7	1699.4	1793.5	1869.5	1926.9	1932.2	1930.9
50°	1323.3	1329.3	1311.2	1402.0	1496.7	1606.0	1704.1	1792.1	1856.2	1861.5	1860.8
52.5°	1223.2	1229.2	1213.9	1309.2	1395.3	1510.7	1617.4	1712.8	1776.1	1784.1	1785.5
55°	1126.5	1129.2	1117.2	1208.5	1291.9	1412.6	1535.3	1628.1	1691.4	1698.1	1702.1
57.5°	1029.8	1030.5	1020.5	1107.8	1187.9	1311.2	1440.0	1537.4	1597.4	1604.0	1610.0
60°	933.7	933.1	921.7	1006.4	1083.1	1205.2	1339.3	1436.0	1494.0	1500.0	1508.0
62.5°	838.4	836.4	826.4	904.4	976.4	1097.2	1231.9	1325.3	1380.6	1384.6	1395.3
65°	743.7	741.7	732.3	804.4	869.7	985.1	1117.2	1205.9	1255.9	1261.2	1259.2
67.5°	650.3	646.3	639.0	703.6	763.0	869.7	996.4	1081.1	1122.5	1127.2	1139.8
70°	556.9	552.2	535.6	604.3	656.3	751.7	869.7	945.1	979.8	984.4	982.4
72.5°	464.9	460.2	442.2	505.6	549.6	632.9	738.3	801.0	831.0	835.0	835.0
75°	375.5	372.8	361.5	409.5	446.2	514.2	603.6	655.6	679.0	683.6	682.3
77.5°	289.5	287.5	276.1	317.5	346.2	396.8	468.9	509.6	526.9	532.2	543.6
80°	207.4	206.8	188.8	229.4	242.1	284.8	337.5	368.8	378.2	385.5	393.5
82.5°	132.7	133.4	115.4	150.1	155.4	182.7	215.4	234.8	241.4	247.4	253.4
85°	64.7	67.4	57.4	79.4	80.0	94.0	108.0	115.4	118.1	122.7	128.1
87.5°	16.7	19.3	10.7	22.7	20.0	26.0	30.0	32.0	31.3	34.7	36.7
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3
2.5°	2798.6	2819.9	2809.2	2843.9	2857.3	2835.9	2873.3	2873.9	2847.3	2878.6	2896.0
5°	2755.2	2777.2	2770.6	2806.6	2823.3	2804.6	2849.9	2858.6	2832.6	2867.9	2896.0
7.5°	2711.2	2737.2	2728.5	2765.2	2785.2	2770.6	2819.3	2833.3	2813.3	2851.9	2889.3
10°	2673.2	2695.2	2685.9	2724.5	2741.9	2729.9	2777.9	2803.9	2785.2	2832.6	2877.3
12.5°	2635.8	2653.8	2643.2	2675.2	2691.9	2676.5	2735.2	2759.2	2745.9	2795.2	2852.6
15°	2587.8	2607.8	2593.2	2621.8	2634.5	2621.2	2669.2	2710.5	2693.9	2747.9	2811.2
17.5°	2551.1	2562.5	2542.5	2565.1	2572.5	2554.5	2603.2	2643.8	2631.8	2690.5	2763.9
20°	2510.4	2519.8	2491.8	2504.4	2503.8	2481.1	2525.8	2565.8	2557.8	2622.5	2705.9
22.5°	2465.1	2469.8	2437.1	2439.8	2438.4	2401.1	2441.1	2481.8	2478.4	2543.8	2637.2
25°	2417.1	2417.7	2375.7	2374.4	2359.7	2315.7	2351.0	2397.1	2387.1	2457.8	2555.8
27.5°	2369.7	2363.1	2312.4	2300.4	2277.0	2224.3	2255.7	2297.0	2291.0	2360.4	2469.1
30°	2319.0	2310.4	2248.3	2226.3	2192.3	2131.6	2157.6	2196.3	2199.6	2260.3	2374.4
32.5°	2271.0	2249.0	2180.3	2148.3	2105.6	2034.9	2048.9	2088.3	2093.6	2155.0	2272.3
35°	2209.0	2194.3	2109.6	2054.9	2012.9	1935.5	1950.2	1977.5	1985.5	2045.6	2165.0
37.5°	2150.3	2126.9	2036.9	1970.2	1916.2	1834.8	1838.8	1866.8	1874.8	1935.5	2053.6
40°	2089.6	2056.2	1959.5	1881.5	1819.5	1734.1	1729.4	1758.8	1764.8	1824.1	1930.9
42.5°	2024.9	1984.9	1876.2	1790.8	1719.4	1632.7	1623.4	1648.7	1655.4	1713.4	1818.1
45°	1959.5	1911.5	1790.8	1697.4	1619.4	1530.7	1521.3	1540.7	1550.7	1605.4	1706.1
47.5°	1890.2	1834.1	1702.8	1598.7	1518.0	1429.3	1418.0	1437.3	1445.3	1499.3	1594.7
50°	1817.5	1749.4	1612.1	1497.3	1417.3	1329.9	1313.3	1335.9	1343.3	1394.0	1487.3
52.5°	1737.4	1662.1	1515.3	1395.3	1315.3	1231.9	1211.9	1233.9	1242.6	1291.9	1377.9
55°	1652.7	1571.4	1418.0	1301.2	1214.5	1133.2	1116.5	1125.2	1143.8	1190.5	1270.6
57.5°	1557.4	1476.7	1315.3	1196.5	1113.2	1035.1	1021.1	1029.1	1046.5	1091.8	1163.9
60°	1456.0	1370.6	1210.5	1091.8	1011.1	937.1	924.4	931.7	950.4	991.8	1058.5
62.5°	1355.9	1259.9	1102.5	984.4	911.1	842.4	839.0	836.4	853.7	893.7	952.4
65°	1234.5	1142.5	989.8	877.7	811.0	749.0	735.7	741.7	758.3	795.0	856.4
67.5°	1104.5	1021.1	874.4	771.0	711.6	656.3	645.0	647.6	665.0	697.0	750.3
70°	966.4	893.1	756.3	663.6	613.6	561.6	554.2	554.9	571.6	599.6	646.3
72.5°	821.7	755.7	636.9	557.6	516.2	478.9	472.2	464.2	479.5	503.6	543.6
75°	674.3	616.3	518.2	453.5	420.9	389.5	383.5	375.5	390.8	411.5	442.9
77.5°	525.6	478.9	402.8	352.8	327.5	304.1	298.8	290.1	305.5	320.8	345.5
80°	380.2	346.2	300.8	248.1	239.4	224.1	218.8	209.4	224.1	234.1	252.8
82.5°	245.4	222.8	196.8	160.1	158.7	147.4	144.7	134.1	147.4	153.4	167.4
85°	124.1	113.4	106.7	81.4	84.0	76.7	76.0	64.7	75.4	78.0	86.0
87.5°	35.3	37.3	33.3	20.0	25.3	24.0	24.0	17.3	24.0	24.0	27.3
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: P837999

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-6STD-35-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3	2859.3
2.5°	2861.9	2873.3	2875.9	2875.3	2882.6	2922.6	2909.3	2922.6
5°	2868.6	2894.0	2900.6	2910.0	2922.0	2967.3	2952.6	2968.7
7.5°	2872.6	2910.6	2925.3	2943.3	2962.7	3013.3	3001.3	3017.3
10°	2872.6	2922.0	2943.3	2973.3	2999.3	3058.0	3046.7	3065.4
12.5°	2860.6	2924.0	2954.0	2996.0	3029.3	3092.7	3088.0	3101.4
15°	2835.9	2914.0	2955.3	3009.3	3050.7	3121.4	3119.4	3135.4
17.5°	2802.6	2896.6	2946.6	3014.7	3066.7	3146.1	3150.7	3159.4
20°	2760.6	2863.9	2929.3	3012.7	3078.0	3165.4	3171.4	3183.4
22.5°	2705.2	2824.6	2903.3	3004.0	3079.4	3173.4	3184.1	3195.4
25°	2639.8	2777.2	2869.3	2987.3	3072.7	3172.7	3187.4	3197.4
27.5°	2565.1	2715.9	2825.9	2960.6	3054.0	3162.1	3180.1	3192.1
30°	2478.4	2650.5	2776.6	2926.0	3028.7	3142.1	3161.4	3173.4
32.5°	2389.1	2578.5	2717.9	2881.3	2992.0	3110.0	3126.7	3136.1
35°	2291.7	2491.1	2647.2	2823.9	2944.6	3058.7	3071.4	3081.4
37.5°	2185.6	2396.4	2566.5	2759.2	2877.9	2987.3	2998.7	3010.0
40°	2076.3	2297.0	2475.8	2679.9	2798.6	2900.0	2912.0	2920.0
42.5°	1966.2	2187.0	2379.1	2586.5	2704.5	2801.9	2809.2	2817.3
45°	1854.8	2072.9	2270.3	2483.1	2599.8	2691.2	2693.9	2700.5
47.5°	1741.4	1954.9	2151.0	2365.1	2480.4	2563.8	2566.5	2571.8
50°	1627.4	1836.8	2023.6	2237.7	2350.4	2438.4	2426.4	2431.7
52.5°	1515.3	1712.8	1903.5	2100.3	2211.6	2289.7	2293.0	2282.3
55°	1405.3	1591.4	1766.8	1956.2	2062.3	2122.9	2120.9	2124.9
57.5°	1293.9	1468.7	1629.4	1802.8	1906.2	1963.5	1975.5	1961.5
60°	1180.5	1344.6	1488.7	1645.4	1745.4	1793.5	1807.5	1794.1
62.5°	1067.8	1218.5	1349.3	1486.0	1578.7	1638.1	1636.7	1622.1
65°	955.1	1091.8	1208.5	1324.6	1405.3	1464.7	1462.0	1448.6
67.5°	851.0	963.8	1068.5	1162.5	1232.5	1273.2	1287.2	1271.2
70°	736.3	833.7	925.7	1001.1	1059.1	1095.8	1109.2	1095.2
72.5°	621.6	704.3	769.0	841.7	886.4	917.1	931.1	917.7
75°	508.2	576.3	628.9	685.6	717.0	743.0	759.0	745.7
77.5°	398.2	450.9	492.9	534.2	570.3	576.3	590.3	581.6
80°	293.5	331.5	362.2	389.5	415.5	418.2	429.5	424.2
82.5°	195.4	220.8	228.8	257.4	274.1	271.5	282.8	278.8
85°	103.4	118.7	132.7	141.4	150.7	142.1	152.1	148.1
87.5°	34.7	36.7	32.0	45.4	50.0	42.7	48.7	46.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)