

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: P837961

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-5HI-27-120-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: P837961
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-27-120-EDD-90
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

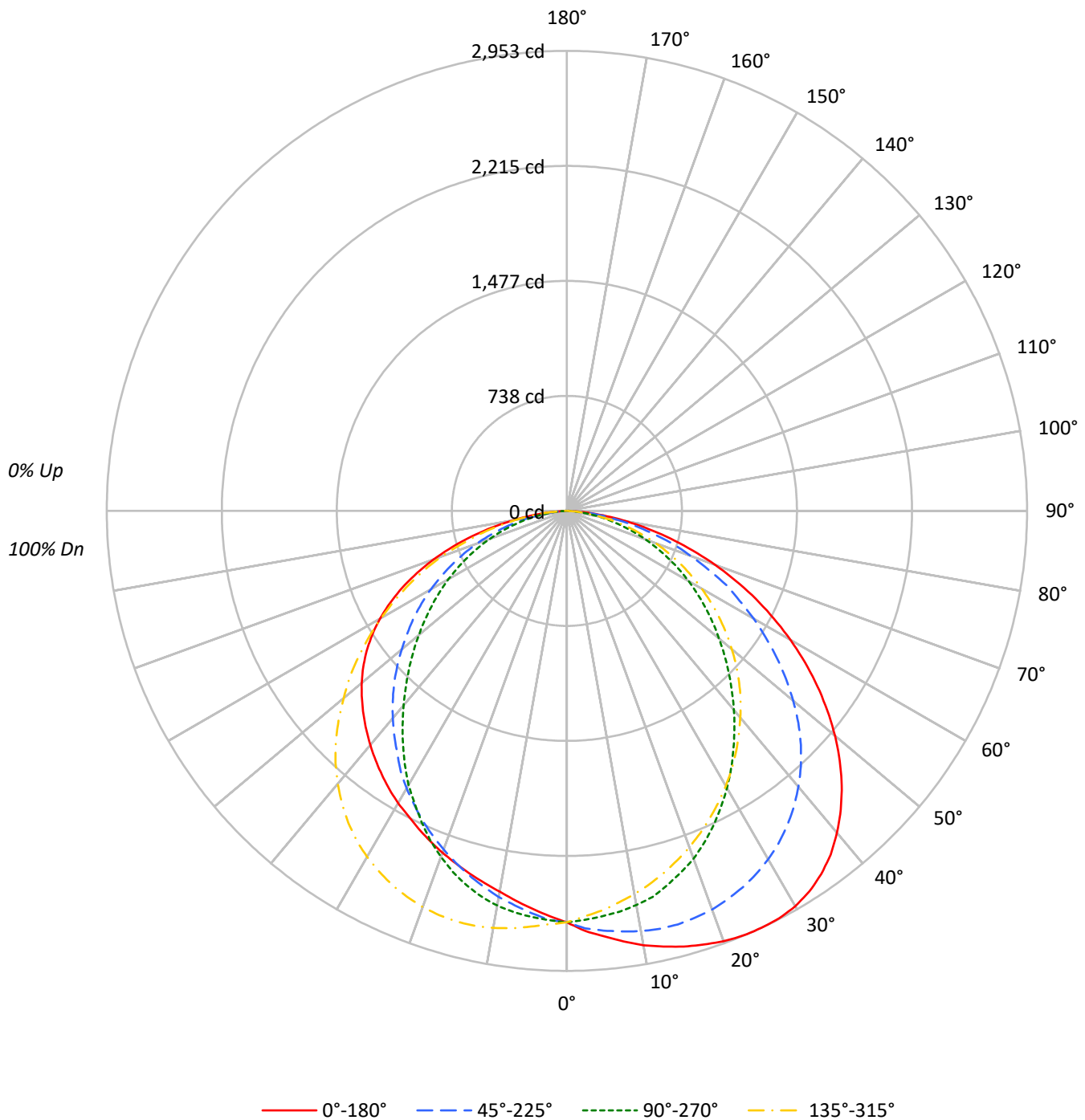
Lumens per Lamp: N/A
Luminaire Lumens: 7748.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	7107	7107	7107	7107
5°	7407	7055	6922	7067
10°	7736	7019	6782	7029
15°	8068	6930	6715	6932
20°	8420	6804	6686	6765
25°	8769	6614	6685	6546
30°	9107	6384	6730	6313
35°	9349	6122	6797	6025
40°	9474	5858	6892	5726
45°	9492	5591	7026	5450
50°	9403	5336	7198	5194
55°	9208	5098	7358	4957
60°	8918	4850	7456	4724
65°	8520	4565	7417	4460
70°	7958	4231	7153	4153
75°	7161	3772	6565	3753
80°	6072	3160	5518	3208
85°	4224	2093	3498	2149

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	3.2
10°-20°	726.1	9.4
20°-30°	1112.7	14.4
30°-40°	1353.0	17.5
40°-50°	1406.5	18.2
50°-60°	1270.5	16.4
60°-70°	965.9	12.5
70°-80°	538.5	7.0
80°-90°	124.0	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°	2089.5	27.0
0°-40°	3442.5	44.4
0°-60°	6119.6	79.0
0°-90°	7748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7748.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2641	2641	2641	2641	2641	
5°	2742	2612	2563	2616	2742	264
15°	2896	2488	2410	2488	2896	821
25°	2953	2228	2252	2205	2953	1364
35°	2846	1864	2069	1834	2846	1778
45°	2494	1469	1846	1432	2494	1920
55°	1963	1087	1568	1056	1963	1752
65°	1338	717	1165	700	1338	1322
75°	689	363	631	361	689	732
85°	137	68	113	70	137	172
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°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
2.5°	2699.4	2660.0	2660.6	2695.1	2668.6	2681.5	2644.6	2658.7	2654.4	2657.5	2627.3
5°	2741.9	2699.4	2698.8	2728.3	2698.8	2704.3	2657.5	2666.7	2653.2	2644.6	2611.9
7.5°	2786.9	2744.4	2740.0	2765.9	2727.1	2722.8	2671.1	2671.1	2646.4	2624.9	2594.1
10°	2831.2	2787.5	2781.9	2801.7	2753.6	2739.4	2676.6	2666.7	2634.1	2602.1	2568.8
12.5°	2864.5	2820.1	2815.8	2828.1	2773.9	2748.1	2676.6	2657.5	2609.5	2564.5	2538.6
15°	2895.9	2850.3	2838.6	2844.8	2782.6	2748.1	2668.0	2638.4	2576.8	2517.7	2487.5
17.5°	2918.1	2874.3	2862.6	2862.0	2786.9	2737.6	2649.5	2608.8	2534.9	2463.5	2433.3
20°	2940.3	2896.5	2881.7	2870.6	2785.6	2723.4	2622.4	2567.6	2481.3	2401.2	2376.0
22.5°	2951.3	2906.4	2890.4	2873.7	2777.6	2697.5	2589.1	2519.5	2421.0	2325.5	2304.5
25°	2953.2	2907.0	2889.7	2865.7	2761.6	2666.7	2546.0	2461.6	2351.3	2245.4	2227.5
27.5°	2948.3	2897.7	2880.5	2851.5	2737.6	2629.2	2494.9	2395.7	2277.4	2160.4	2141.3
30°	2931.0	2879.9	2863.3	2825.7	2703.7	2583.0	2438.8	2322.4	2195.5	2071.1	2054.4
32.5°	2896.5	2846.6	2833.1	2795.5	2666.7	2529.4	2373.5	2243.5	2104.9	1986.0	1961.4
35°	2846.0	2796.1	2787.5	2748.1	2615.0	2465.3	2302.1	2157.3	2008.8	1887.5	1863.5
37.5°	2780.1	2738.2	2725.3	2686.5	2554.0	2392.6	2220.1	2063.7	1910.9	1780.3	1765.5
40°	2696.9	2657.5	2647.6	2613.1	2483.2	2311.9	2131.4	1966.9	1809.9	1688.5	1667.6
42.5°	2602.1	2565.1	2559.6	2523.8	2395.7	2222.6	2035.3	1866.5	1704.5	1587.5	1566.5
45°	2494.3	2458.5	2457.3	2423.4	2300.2	2123.4	1934.3	1764.9	1601.6	1480.3	1469.2
47.5°	2375.4	2343.3	2343.3	2311.9	2193.6	2014.4	1830.2	1658.9	1498.2	1391.0	1371.3
50°	2246.0	2215.8	2206.6	2191.2	2076.0	1895.5	1720.5	1555.4	1395.9	1293.6	1274.5
52.5°	2108.0	2082.1	2088.3	2060.0	1948.5	1771.7	1609.7	1439.0	1293.0	1200.0	1180.9
55°	1962.6	1925.7	1931.2	1920.7	1815.4	1644.2	1485.2	1342.9	1192.0	1104.5	1086.7
57.5°	1811.7	1763.7	1783.4	1777.2	1673.7	1513.6	1371.3	1233.9	1091.6	1010.9	993.6
60°	1657.1	1610.9	1631.2	1625.7	1528.3	1383.0	1253.6	1126.1	991.8	918.5	901.2
62.5°	1498.2	1455.7	1474.1	1469.8	1380.5	1249.3	1136.6	1019.5	891.4	825.5	809.4
65°	1338.0	1297.3	1314.0	1310.9	1228.3	1128.5	1016.4	909.2	790.4	733.1	717.0
67.5°	1174.1	1136.6	1152.0	1152.0	1076.2	980.7	895.7	797.7	691.2	641.9	627.1
70°	1011.5	976.4	989.9	988.7	924.6	847.0	773.7	686.2	590.8	550.1	537.8
72.5°	847.6	816.8	829.2	827.9	774.3	724.4	651.7	576.0	492.8	460.2	449.1
75°	688.7	659.8	671.5	670.2	626.5	579.7	531.0	468.2	396.7	373.9	362.8
77.5°	537.2	507.6	517.5	517.5	485.4	451.5	412.7	364.1	313.6	288.9	280.9
80°	391.8	377.6	372.7	373.3	351.7	329.6	309.9	263.0	226.1	209.4	203.9
82.5°	257.5	245.8	240.9	242.1	229.8	216.2	203.9	171.3	146.6	136.8	133.7
85°	136.8	128.1	123.8	126.9	124.4	117.0	110.9	88.7	73.3	69.6	67.8
87.5°	43.1	37.6	34.5	45.6	38.8	34.5	33.3	26.5	20.3	20.3	19.7
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°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
2.5°	2637.2	2637.2	2613.1	2607.6	2605.1	2608.2	2584.2	2579.9	2614.4	2602.7	2576.2
5°	2616.2	2615.0	2581.1	2575.0	2575.0	2571.3	2544.2	2538.0	2572.5	2562.6	2533.7
7.5°	2590.4	2586.7	2546.6	2542.3	2536.1	2533.7	2503.5	2499.2	2528.8	2522.6	2495.5
10°	2558.9	2555.2	2507.8	2504.7	2498.0	2493.0	2464.7	2461.6	2491.8	2481.9	2460.4
12.5°	2517.7	2510.9	2462.2	2459.1	2453.6	2451.8	2424.0	2422.8	2456.1	2446.2	2423.4
15°	2463.5	2457.9	2403.7	2404.9	2405.6	2405.6	2383.4	2382.1	2414.8	2410.5	2385.8
17.5°	2403.7	2396.3	2344.6	2348.3	2352.6	2357.5	2340.3	2343.3	2377.8	2372.3	2350.1
20°	2335.9	2328.5	2278.0	2288.5	2297.7	2307.6	2296.5	2305.1	2337.2	2334.7	2318.1
22.5°	2260.2	2252.8	2206.0	2222.0	2237.4	2255.9	2250.9	2260.8	2294.7	2294.1	2279.3
25°	2167.8	2169.6	2128.3	2148.1	2173.9	2199.8	2201.6	2217.7	2255.2	2251.5	2238.0
27.5°	2081.5	2084.0	2040.3	2073.5	2108.0	2141.3	2149.3	2171.5	2209.7	2206.6	2194.9
30°	1991.0	1994.1	1951.5	1997.1	2039.0	2079.7	2096.9	2127.1	2165.9	2165.9	2153.6
32.5°	1896.7	1902.3	1857.9	1918.9	1967.6	2015.0	2045.2	2076.6	2121.0	2119.7	2109.2
35°	1800.0	1806.2	1765.5	1843.1	1891.8	1949.7	1987.3	2029.2	2068.6	2069.2	2061.2
37.5°	1701.4	1708.8	1671.9	1756.9	1812.3	1880.7	1928.8	1970.6	2014.4	2016.8	2009.5
40°	1603.5	1611.5	1579.5	1661.4	1731.6	1808.0	1863.5	1912.7	1960.8	1962.0	1957.1
42.5°	1505.5	1514.2	1490.1	1570.2	1649.7	1731.6	1796.9	1853.0	1902.3	1905.3	1899.8
45°	1410.1	1417.5	1400.2	1487.7	1564.1	1653.4	1728.5	1792.0	1841.9	1846.2	1844.4
47.5°	1315.2	1322.0	1306.6	1386.7	1474.7	1569.6	1656.5	1726.7	1779.7	1784.6	1783.4
50°	1222.2	1227.7	1211.1	1294.9	1382.3	1483.4	1573.9	1655.2	1714.4	1719.3	1718.7
52.5°	1129.8	1135.3	1121.2	1209.2	1288.7	1395.3	1493.8	1581.9	1640.5	1647.8	1649.1
55°	1040.5	1042.9	1031.8	1116.2	1193.2	1304.7	1418.1	1503.7	1562.2	1568.4	1572.1
57.5°	951.1	951.7	942.5	1023.2	1097.1	1211.1	1330.0	1419.9	1475.4	1481.5	1487.1
60°	862.4	861.8	851.3	929.6	1000.4	1113.1	1237.0	1326.3	1379.9	1385.4	1392.8
62.5°	774.3	772.5	763.2	835.3	901.9	1013.3	1137.8	1224.0	1275.2	1278.9	1288.7
65°	686.9	685.0	676.4	742.9	803.3	909.9	1031.8	1113.8	1160.0	1164.9	1163.0
67.5°	600.6	596.9	590.1	649.9	704.7	803.3	920.3	998.6	1036.8	1041.1	1052.8
70°	514.4	510.1	494.7	558.1	606.2	694.3	803.3	872.9	904.9	909.2	907.4
72.5°	429.4	425.1	408.4	466.9	507.6	584.6	681.9	739.8	767.6	771.3	771.3
75°	346.8	344.4	333.9	378.2	412.1	474.9	557.5	605.5	627.1	631.4	630.2
77.5°	267.4	265.5	255.0	293.2	319.7	366.5	433.1	470.6	486.7	491.6	502.1
80°	191.6	191.0	174.3	211.9	223.6	263.0	311.7	340.7	349.3	356.1	363.5
82.5°	122.6	123.2	106.6	138.6	143.5	168.8	199.0	216.8	223.0	228.5	234.1
85°	59.8	62.2	53.0	73.3	73.9	86.9	99.8	106.6	109.0	113.3	118.3
87.5°	15.4	17.9	9.9	20.9	18.5	24.0	27.7	29.6	29.0	32.0	33.9
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°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
2.5°	2584.8	2604.5	2594.7	2626.7	2639.0	2619.3	2653.8	2654.4	2629.8	2658.7	2674.8
5°	2544.8	2565.1	2558.9	2592.2	2607.6	2590.4	2632.2	2640.3	2616.2	2648.9	2674.8
7.5°	2504.1	2528.1	2520.1	2554.0	2572.5	2558.9	2603.9	2616.8	2598.4	2634.1	2668.6
10°	2469.0	2489.3	2480.7	2516.4	2532.5	2521.4	2565.7	2589.7	2572.5	2616.2	2657.5
12.5°	2434.5	2451.1	2441.3	2470.8	2486.2	2472.1	2526.3	2548.5	2536.1	2581.7	2634.7
15°	2390.2	2408.6	2395.1	2421.6	2433.3	2421.0	2465.3	2503.5	2488.1	2538.0	2596.5
17.5°	2356.3	2366.7	2348.3	2369.2	2376.0	2359.3	2404.3	2441.9	2430.8	2485.0	2552.8
20°	2318.7	2327.3	2301.4	2313.1	2312.5	2291.6	2332.9	2369.8	2362.4	2422.2	2499.2
22.5°	2276.8	2281.1	2250.9	2253.4	2252.2	2217.7	2254.6	2292.2	2289.1	2349.5	2435.7
25°	2232.4	2233.1	2194.3	2193.0	2179.5	2138.8	2171.5	2214.0	2204.7	2270.0	2360.6
27.5°	2188.7	2182.6	2135.7	2124.6	2103.1	2054.4	2083.4	2121.6	2116.0	2180.1	2280.5
30°	2141.9	2133.9	2076.6	2056.3	2024.9	1968.8	1992.8	2028.5	2031.6	2087.7	2193.0
32.5°	2097.5	2077.2	2013.8	1984.2	1944.8	1879.5	1892.4	1928.8	1933.7	1990.4	2098.8
35°	2040.3	2026.7	1948.5	1898.0	1859.1	1787.7	1801.2	1826.5	1833.9	1889.3	1999.6
37.5°	1986.0	1964.5	1881.3	1819.7	1769.8	1694.7	1698.4	1724.2	1731.6	1787.7	1896.7
40°	1930.0	1899.2	1809.9	1737.8	1680.5	1601.6	1597.3	1624.4	1630.0	1684.8	1783.4
42.5°	1870.2	1833.3	1732.9	1654.0	1588.1	1508.0	1499.4	1522.8	1529.0	1582.6	1679.3
45°	1809.9	1765.5	1654.0	1567.8	1495.7	1413.8	1405.1	1423.0	1432.2	1482.8	1575.8
47.5°	1745.8	1694.0	1572.7	1476.6	1402.1	1320.1	1309.7	1327.5	1334.9	1384.8	1472.9
50°	1678.6	1615.8	1488.9	1383.0	1309.0	1228.3	1212.9	1233.9	1240.7	1287.5	1373.7
52.5°	1604.7	1535.1	1399.6	1288.7	1214.8	1137.8	1119.3	1139.6	1147.6	1193.2	1272.7
55°	1526.5	1451.3	1309.7	1201.9	1121.8	1046.6	1031.2	1039.2	1056.5	1099.6	1173.5
57.5°	1438.4	1363.9	1214.8	1105.1	1028.1	956.1	943.1	950.5	966.5	1008.4	1075.0
60°	1344.8	1265.9	1118.1	1008.4	933.9	865.5	853.8	860.6	877.8	916.0	977.6
62.5°	1252.4	1163.7	1018.3	909.2	841.5	778.0	775.0	772.5	788.5	825.5	879.7
65°	1140.2	1055.2	914.2	810.7	749.1	691.8	679.5	685.0	700.4	734.3	791.0
67.5°	1020.1	943.1	807.6	712.1	657.3	606.2	595.7	598.2	614.2	643.7	693.0
70°	892.6	824.8	698.6	612.9	566.7	518.7	511.9	512.5	527.9	553.8	596.9
72.5°	758.9	697.9	588.3	515.0	476.8	442.3	436.1	428.7	442.9	465.1	502.1
75°	622.8	569.2	478.6	418.9	388.7	359.8	354.2	346.8	361.0	380.1	409.0
77.5°	485.4	442.3	372.1	325.9	302.5	280.9	276.0	268.0	282.1	296.3	319.1
80°	351.1	319.7	277.8	229.2	221.2	207.0	202.1	193.4	207.0	216.2	233.5
82.5°	226.7	205.8	181.7	147.8	146.6	136.1	133.7	123.8	136.1	141.7	154.6
85°	114.6	104.7	98.6	75.2	77.6	70.8	70.2	59.8	69.6	72.1	79.5
87.5°	32.6	34.5	30.8	18.5	23.4	22.2	22.2	16.0	22.2	22.2	25.3
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: P837961

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-5HI-27-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
2.5°	2643.3	2653.8	2656.3	2655.7	2662.4	2699.4	2687.1	2699.4
5°	2649.5	2672.9	2679.1	2687.7	2698.8	2740.7	2727.1	2741.9
7.5°	2653.2	2688.3	2701.9	2718.5	2736.4	2783.2	2772.1	2786.9
10°	2653.2	2698.8	2718.5	2746.2	2770.2	2824.4	2814.0	2831.2
12.5°	2642.1	2700.6	2728.3	2767.2	2798.0	2856.5	2852.2	2864.5
15°	2619.3	2691.4	2729.6	2779.5	2817.7	2883.0	2881.1	2895.9
17.5°	2588.5	2675.4	2721.6	2784.4	2832.5	2905.8	2910.1	2918.1
20°	2549.7	2645.2	2705.6	2782.6	2842.9	2923.6	2929.2	2940.3
22.5°	2498.6	2608.8	2681.5	2774.5	2844.2	2931.0	2940.9	2951.3
25°	2438.2	2565.1	2650.1	2759.1	2838.0	2930.4	2944.0	2953.2
27.5°	2369.2	2508.4	2610.1	2734.5	2820.7	2920.5	2937.2	2948.3
30°	2289.1	2448.1	2564.5	2702.5	2797.3	2902.1	2919.9	2931.0
32.5°	2206.6	2381.5	2510.3	2661.2	2763.5	2872.5	2887.9	2896.5
35°	2116.6	2300.8	2445.0	2608.2	2719.7	2825.1	2836.8	2846.0
37.5°	2018.7	2213.4	2370.4	2548.5	2658.1	2759.1	2769.6	2780.1
40°	1917.7	2121.6	2286.7	2475.2	2584.8	2678.4	2689.5	2696.9
42.5°	1816.0	2019.9	2197.3	2388.9	2498.0	2587.9	2594.7	2602.1
45°	1713.1	1914.6	2096.9	2293.4	2401.2	2485.6	2488.1	2494.3
47.5°	1608.4	1805.5	1986.7	2184.4	2291.0	2368.0	2370.4	2375.4
50°	1503.1	1696.5	1869.0	2066.7	2170.8	2252.2	2241.1	2246.0
52.5°	1399.6	1581.9	1758.1	1939.8	2042.7	2114.8	2117.9	2108.0
55°	1298.0	1469.8	1631.8	1806.8	1904.7	1960.8	1958.9	1962.6
57.5°	1195.1	1356.5	1504.9	1665.1	1760.6	1813.6	1824.6	1811.7
60°	1090.4	1241.9	1375.0	1519.7	1612.1	1656.5	1669.4	1657.1
62.5°	986.2	1125.5	1246.2	1372.5	1458.1	1512.9	1511.7	1498.2
65°	882.1	1008.4	1116.2	1223.4	1298.0	1352.8	1350.3	1338.0
67.5°	786.0	890.1	986.9	1073.7	1138.4	1176.0	1188.9	1174.1
70°	680.1	770.0	855.0	924.6	978.2	1012.1	1024.4	1011.5
72.5°	574.1	650.5	710.3	777.4	818.7	847.0	860.0	847.6
75°	469.4	532.2	580.9	633.3	662.2	686.2	701.0	688.7
77.5°	367.8	416.4	455.2	493.4	526.7	532.2	545.2	537.2
80°	271.0	306.2	334.5	359.8	383.8	386.2	396.7	391.8
82.5°	180.5	203.9	211.3	237.8	253.2	250.7	261.2	257.5
85°	95.5	109.7	122.6	130.6	139.2	131.2	140.5	136.8
87.5°	32.0	33.9	29.6	41.9	46.2	39.4	45.0	43.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)