

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: P838017

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6STD-40-120-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: P838017
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-40-120-EDD-90
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

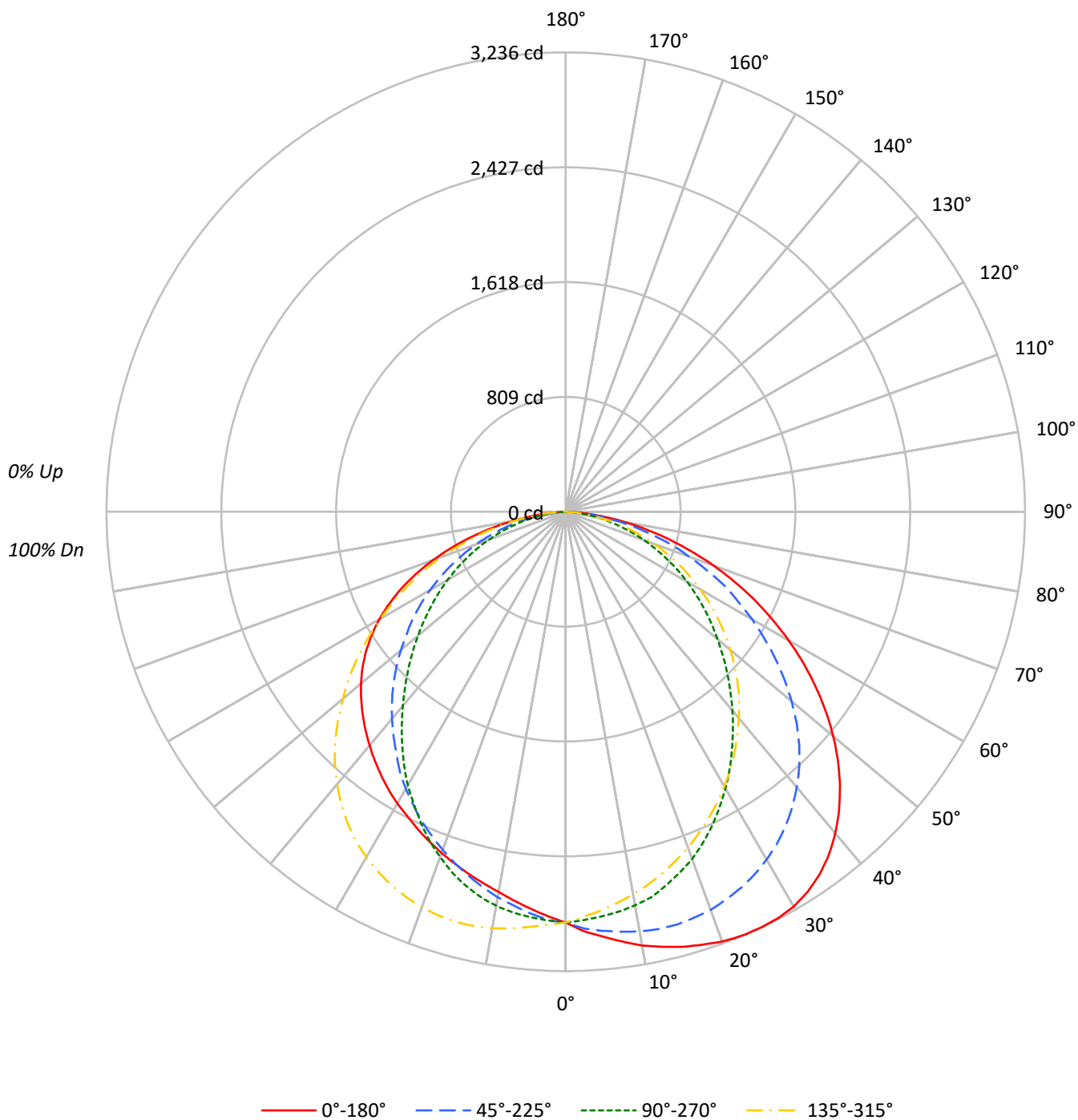
Lumens per Lamp: N/A
Luminaire Lumens: 8489.7 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	7787	7787	7787	7787
5°	8116	7731	7585	7744
10°	8477	7691	7431	7702
15°	8840	7593	7358	7595
20°	9226	7456	7326	7413
25°	9608	7247	7325	7173
30°	9979	6995	7374	6917
35°	10245	6708	7448	6601
40°	10381	6419	7552	6274
45°	10401	6127	7699	5973
50°	10303	5847	7887	5691
55°	10089	5586	8062	5431
60°	9772	5315	8170	5177
65°	9335	5003	8127	4887
70°	8720	4637	7839	4552
75°	7846	4134	7194	4112
80°	6653	3462	6045	3515
85°	4625	2291	3835	2356

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	3.2
10°-20°	795.6	9.4
20°-30°	1219.3	14.4
30°-40°	1482.5	17.5
40°-50°	1541.2	18.2
50°-60°	1392.2	16.4
60°-70°	1058.4	12.5
70°-80°	590.0	7.0
80°-90°	135.8	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°	2289.6	27.0
0°-40°	3772.1	44.4
0°-60°	6705.4	79.0
0°-90°	8489.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8489.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2894	2894	2894	2894	2894	
5°	3004	2862	2808	2867	3004	290
15°	3173	2726	2641	2726	3173	900
25°	3236	2441	2467	2416	3236	1495
35°	3118	2042	2267	2010	3118	1948
45°	2733	1610	2023	1569	2733	2104
55°	2150	1191	1718	1158	2150	1920
65°	1466	786	1276	768	1466	1449
75°	755	398	692	396	755	802
85°	150	74	124	76	150	189
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°	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7
2.5°	2957.8	2914.6	2915.3	2953.1	2924.1	2938.3	2897.8	2913.3	2908.6	2911.9	2878.9
5°	3004.4	2957.8	2957.2	2989.6	2957.2	2963.2	2911.9	2922.1	2907.2	2897.8	2862.0
7.5°	3053.7	3007.1	3002.4	3030.7	2988.2	2983.5	2926.8	2926.8	2899.8	2876.2	2842.4
10°	3102.3	3054.4	3048.3	3069.9	3017.2	3001.7	2932.9	2922.1	2886.3	2851.2	2814.7
12.5°	3138.7	3090.1	3085.4	3098.9	3039.5	3011.2	2932.9	2911.9	2859.3	2810.0	2781.7
15°	3173.2	3123.2	3110.4	3117.1	3049.0	3011.2	2923.4	2891.0	2823.5	2758.7	2725.6
17.5°	3197.5	3149.5	3136.7	3136.0	3053.7	2999.7	2903.2	2858.6	2777.6	2699.3	2666.2
20°	3221.8	3173.8	3157.6	3145.5	3052.3	2984.2	2873.5	2813.4	2718.9	2631.1	2603.5
22.5°	3233.9	3184.6	3167.1	3148.9	3043.6	2955.8	2837.0	2760.7	2652.7	2548.1	2525.2
25°	3235.9	3185.3	3166.4	3140.1	3026.0	2922.1	2789.8	2697.3	2576.5	2460.4	2440.8
27.5°	3230.5	3175.2	3156.3	3124.6	2999.7	2880.9	2733.7	2625.1	2495.5	2367.2	2346.3
30°	3211.6	3155.6	3137.4	3096.2	2962.6	2830.3	2672.3	2544.7	2405.7	2269.3	2251.1
32.5°	3173.8	3119.2	3104.3	3063.1	2922.1	2771.5	2600.8	2458.3	2306.5	2176.2	2149.2
35°	3118.5	3063.8	3054.4	3011.2	2865.4	2701.3	2522.5	2363.8	2201.2	2068.2	2041.9
37.5°	3046.3	3000.4	2986.2	2943.7	2798.5	2621.7	2432.7	2261.2	2093.8	1950.7	1934.5
40°	2955.1	2911.9	2901.1	2863.3	2720.9	2533.3	2335.5	2155.3	1983.1	1850.2	1827.2
42.5°	2851.2	2810.7	2804.6	2765.5	2625.1	2435.4	2230.2	2045.2	1867.7	1739.5	1716.5
45°	2733.1	2693.9	2692.6	2655.4	2520.4	2326.7	2119.5	1933.9	1755.0	1622.0	1609.9
47.5°	2602.8	2567.7	2567.7	2533.3	2403.7	2207.2	2005.4	1817.8	1641.6	1524.1	1502.5
50°	2461.0	2428.0	2417.8	2401.0	2274.7	2077.0	1885.3	1704.4	1529.5	1417.5	1396.6
52.5°	2309.8	2281.5	2288.2	2257.2	2135.0	1941.3	1763.8	1576.8	1416.8	1314.9	1294.0
55°	2150.5	2110.0	2116.1	2104.6	1989.2	1801.6	1627.4	1471.5	1306.1	1210.3	1190.7
57.5°	1985.2	1932.5	1954.1	1947.4	1834.0	1658.5	1502.5	1352.0	1196.1	1107.7	1088.8
60°	1815.7	1765.1	1787.4	1781.3	1674.7	1515.4	1373.6	1233.9	1086.7	1006.4	987.5
62.5°	1641.6	1595.0	1615.3	1610.5	1512.7	1368.9	1245.4	1117.1	976.7	904.5	886.9
65°	1466.1	1421.5	1439.8	1436.4	1345.9	1236.6	1113.7	996.3	866.0	803.2	785.7
67.5°	1286.5	1245.4	1262.2	1262.2	1179.2	1074.6	981.4	874.1	757.3	703.3	687.1
70°	1108.3	1069.9	1084.7	1083.4	1013.2	928.1	847.8	751.9	647.3	602.8	589.3
72.5°	928.8	895.0	908.5	907.2	848.5	793.8	714.1	631.1	540.0	504.2	492.1
75°	754.6	722.9	735.7	734.4	686.5	635.2	581.8	513.0	434.7	409.7	397.6
77.5°	588.6	556.2	567.0	567.0	531.9	494.8	452.2	398.9	343.6	316.6	307.8
80°	429.3	413.8	408.4	409.0	385.4	361.1	339.5	288.2	247.7	229.5	223.4
82.5°	282.1	269.3	263.9	265.3	251.8	236.9	223.4	187.6	160.6	149.8	146.5
85°	149.8	140.4	135.7	139.0	136.3	128.2	121.5	97.2	80.3	76.3	74.2
87.5°	47.2	41.2	37.8	49.9	42.5	37.8	36.4	29.0	22.3	22.3	21.6
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°	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7
2.5°	2889.7	2889.7	2863.3	2857.3	2854.6	2857.9	2831.6	2826.9	2864.7	2851.9	2822.8
5°	2866.7	2865.4	2828.2	2821.5	2821.5	2817.4	2787.7	2781.0	2818.8	2808.0	2776.3
7.5°	2838.4	2834.3	2790.4	2785.7	2779.0	2776.3	2743.2	2738.5	2770.9	2764.1	2734.4
10°	2803.9	2799.9	2747.9	2744.5	2737.1	2731.7	2700.7	2697.3	2730.4	2719.6	2695.9
12.5°	2758.7	2751.3	2698.0	2694.6	2688.5	2686.5	2656.1	2654.8	2691.2	2680.4	2655.4
15°	2699.3	2693.2	2633.8	2635.2	2635.9	2635.9	2611.6	2610.2	2646.0	2641.3	2614.3
17.5°	2633.8	2625.7	2569.0	2573.1	2577.8	2583.2	2564.3	2567.7	2605.5	2599.4	2575.1
20°	2559.6	2551.5	2496.1	2507.6	2517.7	2528.5	2516.4	2525.8	2560.9	2558.2	2540.0
22.5°	2476.6	2468.5	2417.2	2434.7	2451.6	2471.8	2466.4	2477.2	2514.4	2513.7	2497.5
25°	2375.3	2377.3	2332.1	2353.7	2382.1	2410.4	2412.4	2430.0	2471.2	2467.1	2452.3
27.5°	2280.8	2283.5	2235.6	2272.0	2309.8	2346.3	2355.1	2379.4	2421.2	2417.8	2405.0
30°	2181.6	2185.0	2138.4	2188.3	2234.2	2278.8	2297.7	2330.8	2373.3	2373.3	2359.8
32.5°	2078.3	2084.4	2035.8	2102.6	2155.9	2207.9	2241.0	2275.4	2324.0	2322.7	2311.2
35°	1972.3	1979.1	1934.5	2019.6	2072.9	2136.4	2177.5	2223.4	2266.6	2267.3	2258.5
37.5°	1864.3	1872.4	1831.9	1925.1	1985.8	2060.8	2113.4	2159.3	2207.2	2209.9	2201.8
40°	1757.0	1765.8	1730.7	1820.5	1897.4	1981.1	2041.9	2095.9	2148.5	2149.9	2144.5
42.5°	1649.7	1659.1	1632.8	1720.6	1807.6	1897.4	1969.0	2030.4	2084.4	2087.8	2081.7
45°	1545.1	1553.2	1534.3	1630.1	1713.8	1811.7	1894.0	1963.6	2018.2	2023.0	2020.9
47.5°	1441.1	1448.5	1431.7	1519.4	1615.9	1719.9	1815.1	1892.0	1950.1	1955.5	1954.1
50°	1339.2	1345.3	1327.0	1418.8	1514.7	1625.4	1724.6	1813.7	1878.5	1883.9	1883.2
52.5°	1237.9	1244.0	1228.5	1325.0	1412.1	1528.9	1636.9	1733.4	1797.5	1805.6	1807.0
55°	1140.1	1142.8	1130.6	1223.1	1307.5	1429.6	1553.8	1647.7	1711.8	1718.5	1722.6
57.5°	1042.2	1042.9	1032.7	1121.2	1202.2	1327.0	1457.3	1555.9	1616.6	1623.4	1629.4
60°	945.0	944.3	932.8	1018.6	1096.2	1219.7	1355.4	1453.3	1512.0	1518.1	1526.2
62.5°	848.5	846.4	836.3	915.3	988.2	1110.4	1246.7	1341.2	1397.2	1401.3	1412.1
65°	752.6	750.6	741.1	814.0	880.2	997.0	1130.6	1220.4	1271.0	1276.4	1274.4
67.5°	658.1	654.1	646.6	712.1	772.2	880.2	1008.4	1094.2	1136.0	1140.7	1153.6
70°	563.6	558.9	542.0	611.5	664.2	760.7	880.2	956.5	991.6	996.3	994.3
72.5°	470.5	465.7	447.5	511.6	556.2	640.6	747.2	810.7	841.0	845.1	845.1
75°	380.0	377.3	365.8	414.4	451.6	520.4	610.9	663.5	687.1	691.9	690.5
77.5°	292.9	290.9	279.4	321.3	350.3	401.6	474.5	515.7	533.2	538.6	550.1
80°	209.9	209.2	191.0	232.2	245.0	288.2	341.5	373.3	382.7	390.1	398.2
82.5°	134.3	135.0	116.8	151.9	157.3	184.9	218.0	237.6	244.3	250.4	256.5
85°	65.5	68.2	58.0	80.3	81.0	95.2	109.3	116.8	119.5	124.2	129.6
87.5°	16.9	19.6	10.8	22.9	20.2	26.3	30.4	32.4	31.7	35.1	37.1
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°	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7
2.5°	2832.3	2853.9	2843.1	2878.2	2891.7	2870.1	2907.9	2908.6	2881.6	2913.3	2930.8
5°	2788.4	2810.7	2803.9	2840.4	2857.3	2838.4	2884.3	2893.0	2866.7	2902.5	2930.8
7.5°	2743.9	2770.2	2761.4	2798.5	2818.8	2803.9	2853.2	2867.4	2847.1	2886.3	2924.1
10°	2705.4	2727.7	2718.2	2757.4	2774.9	2762.8	2811.4	2837.7	2818.8	2866.7	2911.9
12.5°	2667.6	2685.8	2675.0	2707.4	2724.3	2708.8	2768.2	2792.5	2779.0	2828.9	2887.0
15°	2619.0	2639.2	2624.4	2653.4	2666.2	2652.7	2701.3	2743.2	2726.3	2781.0	2845.1
17.5°	2581.9	2593.3	2573.1	2596.0	2603.5	2585.2	2634.5	2675.7	2663.5	2722.9	2797.2
20°	2540.7	2550.1	2521.8	2534.6	2533.9	2511.0	2556.2	2596.7	2588.6	2654.1	2738.5
22.5°	2494.8	2499.5	2466.4	2469.1	2467.8	2430.0	2470.5	2511.7	2508.3	2574.4	2668.9
25°	2446.2	2446.9	2404.3	2403.0	2388.1	2343.6	2379.4	2425.9	2415.8	2487.4	2586.6
27.5°	2398.3	2391.5	2340.2	2328.1	2304.4	2251.1	2282.8	2324.7	2318.6	2388.8	2498.8
30°	2347.0	2338.2	2275.4	2253.1	2218.7	2157.3	2183.6	2222.8	2226.1	2287.6	2403.0
32.5°	2298.4	2276.1	2206.6	2174.2	2131.0	2059.4	2073.6	2113.4	2118.8	2180.9	2299.7
35°	2235.6	2220.7	2135.0	2079.7	2037.1	1958.8	1973.7	2001.4	2009.5	2070.2	2191.0
37.5°	2176.2	2152.6	2061.4	1993.9	1939.3	1856.9	1861.0	1889.3	1897.4	1958.8	2078.3
40°	2114.8	2081.0	1983.1	1904.2	1841.4	1755.0	1750.3	1780.0	1786.0	1846.1	1954.1
42.5°	2049.3	2008.8	1898.8	1812.4	1740.1	1652.4	1642.9	1668.6	1675.3	1734.1	1840.0
45°	1983.1	1934.5	1812.4	1717.9	1638.9	1549.1	1539.7	1559.2	1569.4	1624.7	1726.6
47.5°	1912.9	1856.2	1723.3	1618.0	1536.3	1446.5	1435.0	1454.6	1462.7	1517.4	1613.9
50°	1839.4	1770.5	1631.5	1515.4	1434.4	1345.9	1329.1	1352.0	1359.4	1410.7	1505.2
52.5°	1758.4	1682.1	1533.6	1412.1	1331.1	1246.7	1226.5	1248.7	1257.5	1307.5	1394.5
55°	1672.6	1590.3	1435.0	1316.9	1229.2	1146.8	1129.9	1138.7	1157.6	1204.9	1285.9
57.5°	1576.1	1494.4	1331.1	1210.9	1126.6	1047.6	1033.4	1041.5	1059.1	1105.0	1177.9
60°	1473.5	1387.1	1225.1	1105.0	1023.3	948.4	935.5	943.0	961.9	1003.7	1071.2
62.5°	1372.3	1275.1	1115.8	996.3	922.0	852.5	849.1	846.4	864.0	904.5	963.9
65°	1249.4	1156.3	1001.7	888.3	820.8	758.0	744.5	750.6	767.5	804.6	866.7
67.5°	1117.8	1033.4	884.9	780.3	720.2	664.2	652.7	655.4	673.0	705.4	759.4
70°	978.1	903.8	765.4	671.6	621.0	568.3	560.9	561.6	578.5	606.8	654.1
72.5°	831.6	764.8	644.6	564.3	522.4	484.6	477.9	469.8	485.3	509.6	550.1
75°	682.4	623.7	524.5	459.0	425.9	394.2	388.1	380.0	395.5	416.5	448.2
77.5°	531.9	484.6	407.7	357.1	331.4	307.8	302.4	293.6	309.1	324.7	349.6
80°	384.7	350.3	304.4	251.1	242.3	226.8	221.4	211.9	226.8	236.9	255.8
82.5°	248.4	225.4	199.1	162.0	160.6	149.2	146.5	135.7	149.2	155.2	169.4
85°	125.5	114.7	108.0	82.3	85.0	77.6	76.9	65.5	76.3	79.0	87.1
87.5°	35.8	37.8	33.7	20.2	25.6	24.3	24.3	17.5	24.3	24.3	27.7
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: P838017

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-6STD-40-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7	2893.7
2.5°	2896.4	2907.9	2910.6	2909.9	2917.3	2957.8	2944.3	2957.8
5°	2903.2	2928.8	2935.6	2945.0	2957.2	3003.1	2988.2	3004.4
7.5°	2907.2	2945.7	2960.5	2978.8	2998.3	3049.6	3037.5	3053.7
10°	2907.2	2957.2	2978.8	3009.1	3035.5	3094.9	3083.4	3102.3
12.5°	2895.1	2959.2	2989.6	3032.1	3065.8	3130.0	3125.2	3138.7
15°	2870.1	2949.1	2990.9	3045.6	3087.4	3159.0	3157.0	3173.2
17.5°	2836.3	2931.5	2982.1	3051.0	3103.6	3184.0	3188.7	3197.5
20°	2793.8	2898.4	2964.6	3049.0	3115.1	3203.5	3209.6	3221.8
22.5°	2737.8	2858.6	2938.3	3040.2	3116.5	3211.6	3222.4	3233.9
25°	2671.6	2810.7	2903.8	3023.3	3109.7	3211.0	3225.8	3235.9
27.5°	2596.0	2748.6	2860.0	2996.3	3090.8	3200.2	3218.4	3230.5
30°	2508.3	2682.4	2810.0	2961.2	3065.2	3179.9	3199.5	3211.6
32.5°	2417.8	2609.5	2750.6	2916.0	3028.0	3147.5	3164.4	3173.8
35°	2319.3	2521.1	2679.1	2857.9	2980.1	3095.5	3108.4	3118.5
37.5°	2212.0	2425.3	2597.4	2792.5	2912.6	3023.3	3034.8	3046.3
40°	2101.3	2324.7	2505.6	2712.1	2832.3	2934.9	2947.0	2955.1
42.5°	1989.9	2213.3	2407.7	2617.6	2737.1	2835.7	2843.1	2851.2
45°	1877.2	2097.9	2297.7	2513.0	2631.1	2723.6	2726.3	2733.1
47.5°	1762.4	1978.4	2176.9	2393.5	2510.3	2594.7	2597.4	2602.8
50°	1647.0	1858.9	2047.9	2264.6	2378.7	2467.8	2455.6	2461.0
52.5°	1533.6	1733.4	1926.4	2125.6	2238.3	2317.3	2320.6	2309.8
55°	1422.2	1610.5	1788.1	1979.8	2087.1	2148.5	2146.5	2150.5
57.5°	1309.5	1486.3	1649.0	1824.5	1929.1	1987.2	1999.3	1985.2
60°	1194.7	1360.8	1506.6	1665.2	1766.5	1815.1	1829.2	1815.7
62.5°	1080.7	1233.2	1365.5	1503.9	1597.7	1657.8	1656.4	1641.6
65°	966.6	1105.0	1223.1	1340.5	1422.2	1482.3	1479.6	1466.1
67.5°	861.3	975.4	1081.3	1176.5	1247.4	1288.6	1302.7	1286.5
70°	745.2	843.7	936.9	1013.2	1071.9	1109.0	1122.5	1108.3
72.5°	629.1	712.8	778.3	851.8	897.1	928.1	942.3	928.8
75°	514.3	583.2	636.5	693.9	725.6	751.9	768.1	754.6
77.5°	403.0	456.3	498.8	540.7	577.1	583.2	597.4	588.6
80°	297.0	335.5	366.5	394.2	420.5	423.2	434.7	429.3
82.5°	197.8	223.4	231.5	260.5	277.4	274.7	286.2	282.1
85°	104.6	120.1	134.3	143.1	152.5	143.8	153.9	149.8
87.5°	35.1	37.1	32.4	45.9	50.6	43.2	49.3	47.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)