

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: P838033

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-5HI-50-120-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: P838033
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-50-120-EDD-90
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

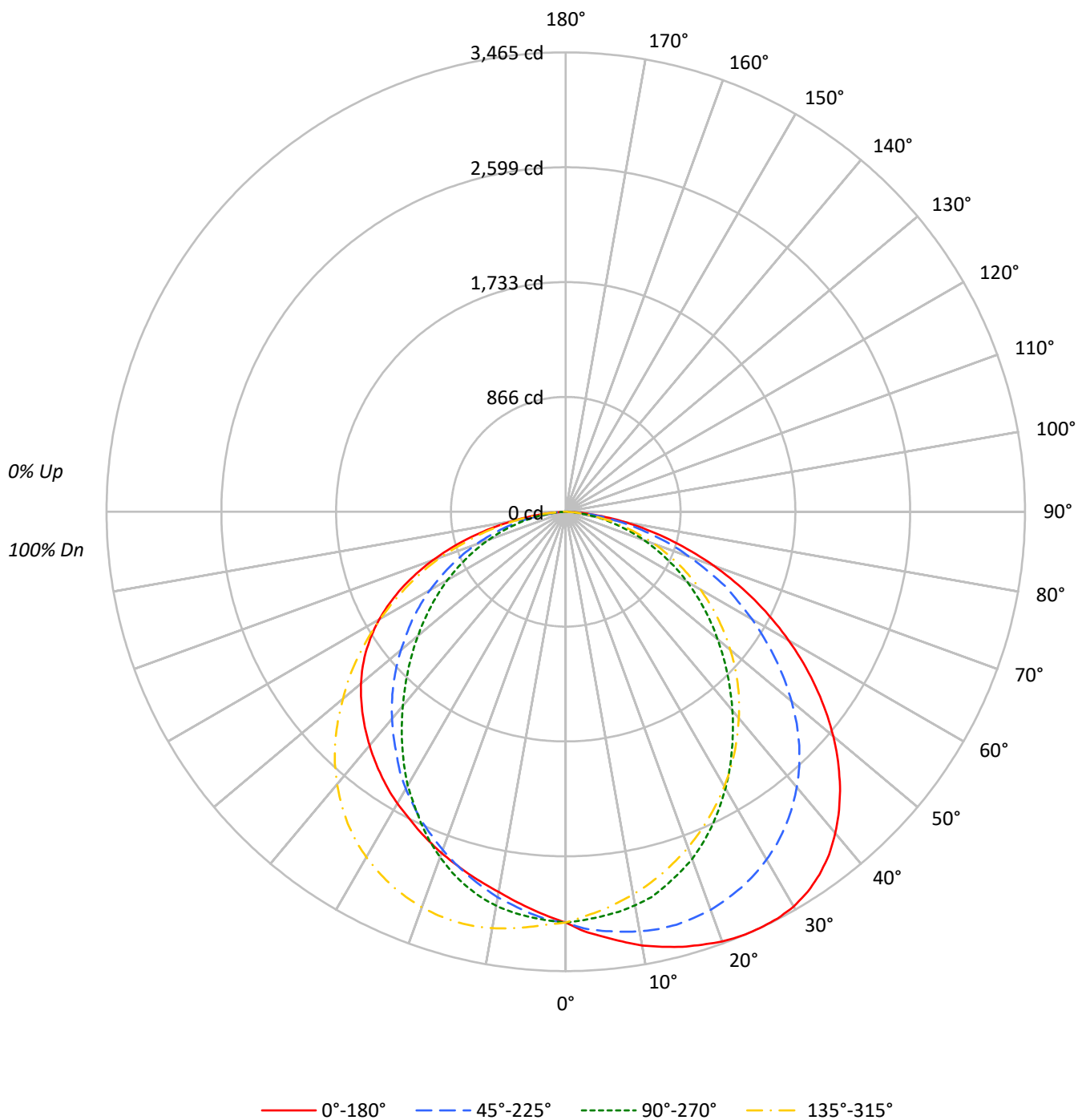
Lumens per Lamp: N/A
Luminaire Lumens: 9090.9 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	8338	8338	8338	8338
5°	8690	8278	8122	8292
10°	9077	8236	7957	8248
15°	9466	8131	7879	8133
20°	9879	7983	7845	7938
25°	10288	7760	7844	7681
30°	10686	7490	7897	7407
35°	10970	7183	7976	7069
40°	11116	6873	8087	6718
45°	11138	6561	8244	6395
50°	11032	6261	8445	6094
55°	10804	5982	8633	5816
60°	10464	5691	8749	5543
65°	9996	5357	8703	5233
70°	9338	4965	8393	4873
75°	8402	4426	7703	4404
80°	7124	3707	6475	3764
85°	4956	2455	4106	2523

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.2	3.2
10°-20°	851.9	9.4
20°-30°	1305.6	14.4
30°-40°	1587.5	17.5
40°-50°	1650.3	18.2
50°-60°	1490.7	16.4
60°-70°	1133.3	12.5
70°-80°	631.8	7.0
80°-90°	145.5	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°	2451.7	27.0
0°-40°	4039.2	44.4
0°-60°	7180.3	79.0
0°-90°	9090.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9090.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3099	3099	3099	3099	3099	
5°	3217	3065	3007	3070	3217	310
15°	3398	2919	2828	2919	3398	963
25°	3465	2614	2642	2587	3465	1600
35°	3339	2186	2428	2152	3339	2086
45°	2927	1724	2166	1680	2927	2253
55°	2303	1275	1840	1240	2303	2056
65°	1570	841	1367	822	1570	1551
75°	808	426	741	424	808	858
85°	160	80	133	82	160	202
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°	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6
2.5°	3167.3	3121.0	3121.7	3162.2	3131.1	3146.3	3103.0	3119.6	3114.5	3118.1	3082.7
5°	3217.2	3167.3	3166.6	3201.3	3166.6	3173.1	3118.1	3129.0	3113.1	3103.0	3064.6
7.5°	3269.9	3220.0	3215.0	3245.3	3199.8	3194.8	3134.0	3134.0	3105.1	3079.8	3043.7
10°	3322.0	3270.6	3264.1	3287.3	3230.9	3214.3	3140.5	3129.0	3090.7	3053.1	3014.1
12.5°	3361.0	3309.0	3303.9	3318.3	3254.7	3224.4	3140.5	3118.1	3061.8	3009.0	2978.6
15°	3397.9	3344.4	3330.6	3337.9	3264.9	3224.4	3130.4	3095.7	3023.4	2954.1	2918.6
17.5°	3423.9	3372.6	3358.8	3358.1	3269.9	3212.1	3108.7	3061.0	2974.3	2890.5	2855.0
20°	3449.9	3398.6	3381.2	3368.2	3268.5	3195.5	3076.9	3012.6	2911.4	2817.5	2787.8
22.5°	3462.9	3410.1	3391.4	3371.8	3259.1	3165.1	3037.9	2956.2	2840.6	2728.5	2704.0
25°	3465.1	3410.9	3390.6	3362.4	3240.3	3129.0	2987.3	2888.3	2758.9	2634.6	2613.6
27.5°	3459.3	3400.0	3379.8	3345.8	3212.1	3084.9	2927.3	2810.9	2672.2	2534.8	2512.4
30°	3439.1	3379.1	3359.5	3315.5	3172.3	3030.7	2861.5	2724.9	2576.0	2430.0	2410.5
32.5°	3398.6	3340.0	3324.1	3280.0	3129.0	2967.8	2784.9	2632.4	2469.8	2330.3	2301.4
35°	3339.3	3280.8	3270.6	3224.4	3068.3	2892.6	2701.1	2531.2	2357.0	2214.6	2186.5
37.5°	3262.0	3212.8	3197.6	3152.1	2996.7	2807.3	2605.0	2421.4	2242.1	2088.9	2071.5
40°	3164.4	3118.1	3106.6	3066.1	2913.6	2712.6	2500.9	2307.9	2123.6	1981.2	1956.6
42.5°	3053.1	3009.7	3003.2	2961.3	2810.9	2607.8	2388.1	2190.1	2000.0	1862.6	1838.1
45°	2926.6	2884.7	2883.2	2843.5	2698.9	2491.5	2269.6	2070.8	1879.3	1736.9	1723.9
47.5°	2787.1	2749.5	2749.5	2712.6	2573.9	2363.5	2147.4	1946.5	1757.8	1632.1	1608.9
50°	2635.3	2599.9	2589.1	2571.0	2435.8	2224.0	2018.8	1825.1	1637.9	1517.9	1495.5
52.5°	2473.4	2443.0	2450.3	2417.0	2286.2	2078.8	1888.7	1688.4	1517.1	1408.0	1385.6
55°	2302.8	2259.5	2266.0	2253.7	2130.1	1929.1	1742.7	1575.7	1398.6	1296.0	1275.0
57.5°	2125.7	2069.4	2092.5	2085.3	1963.8	1775.9	1608.9	1447.8	1280.8	1186.1	1165.9
60°	1944.3	1890.1	1914.0	1907.5	1793.3	1622.7	1470.9	1321.3	1163.7	1077.7	1057.4
62.5°	1757.8	1708.0	1729.6	1724.6	1619.8	1465.8	1333.6	1196.2	1045.9	968.5	949.8
65°	1569.9	1522.2	1541.7	1538.1	1441.3	1324.2	1192.6	1066.8	927.3	860.1	841.3
67.5°	1377.6	1333.6	1351.6	1351.6	1262.7	1150.7	1050.9	936.0	811.0	753.2	735.8
70°	1186.8	1145.6	1161.5	1160.1	1084.9	993.8	907.8	805.2	693.2	645.5	631.0
72.5°	994.6	958.4	972.9	971.4	908.6	850.0	764.7	675.8	578.2	539.9	526.9
75°	808.1	774.1	787.8	786.4	735.1	680.1	623.0	549.3	465.5	438.7	425.7
77.5°	630.3	595.6	607.1	607.1	569.6	529.8	484.3	427.2	367.9	339.0	329.6
80°	459.7	443.1	437.3	438.0	412.7	386.7	363.6	308.6	265.3	245.8	239.2
82.5°	302.1	288.4	282.6	284.1	269.6	253.7	239.2	200.9	172.0	160.5	156.8
85°	160.5	150.3	145.3	148.9	146.0	137.3	130.1	104.1	86.0	81.7	79.5
87.5°	50.6	44.1	40.5	53.5	45.5	40.5	39.0	31.1	23.9	23.9	23.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6
2.5°	3094.3	3094.3	3066.1	3059.6	3056.7	3060.3	3032.1	3027.1	3067.5	3053.8	3022.7
5°	3069.7	3068.3	3028.5	3021.3	3021.3	3016.9	2985.1	2977.9	3018.4	3006.8	2972.9
7.5°	3039.4	3035.0	2988.0	2983.0	2975.7	2972.9	2937.4	2932.4	2967.1	2959.8	2928.0
10°	3002.5	2998.2	2942.5	2938.9	2930.9	2925.1	2891.9	2888.3	2923.7	2912.1	2886.8
12.5°	2954.1	2946.1	2889.0	2885.4	2878.9	2876.7	2844.2	2842.8	2881.8	2870.2	2843.5
15°	2890.5	2884.0	2820.3	2821.8	2822.5	2822.5	2796.5	2795.0	2833.4	2828.3	2799.4
17.5°	2820.3	2811.7	2751.0	2755.3	2760.4	2766.1	2745.9	2749.5	2790.0	2783.5	2757.5
20°	2740.8	2732.2	2672.9	2685.2	2696.0	2707.6	2694.6	2704.7	2742.3	2739.4	2719.9
22.5°	2651.9	2643.3	2588.3	2607.1	2625.2	2646.9	2641.1	2652.7	2692.4	2691.7	2674.3
25°	2543.5	2545.7	2497.3	2520.4	2550.7	2581.1	2583.3	2602.1	2646.2	2641.8	2625.9
27.5°	2442.3	2445.2	2393.9	2432.9	2473.4	2512.4	2521.8	2547.9	2592.7	2589.1	2575.3
30°	2336.1	2339.7	2289.8	2343.3	2392.4	2440.2	2460.4	2495.8	2541.3	2541.3	2526.9
32.5°	2225.5	2232.0	2179.9	2251.5	2308.6	2364.3	2399.7	2436.5	2488.6	2487.1	2474.8
35°	2112.0	2119.2	2071.5	2162.6	2219.7	2287.6	2331.7	2380.9	2427.1	2427.9	2418.5
37.5°	1996.4	2005.0	1961.7	2061.4	2126.5	2206.7	2263.1	2312.2	2363.5	2366.4	2357.8
40°	1881.4	1890.8	1853.2	1949.4	2031.8	2121.4	2186.5	2244.3	2300.7	2302.1	2296.3
42.5°	1766.5	1776.6	1748.4	1842.4	1935.6	2031.8	2108.4	2174.2	2232.0	2235.6	2229.1
45°	1654.5	1663.2	1642.9	1745.5	1835.2	1940.0	2028.2	2102.6	2161.2	2166.2	2164.0
47.5°	1543.2	1551.1	1533.0	1627.0	1730.4	1841.7	1943.6	2026.0	2088.2	2093.9	2092.5
50°	1434.0	1440.5	1421.0	1519.3	1622.0	1740.5	1846.7	1942.1	2011.5	2017.3	2016.6
52.5°	1325.6	1332.1	1315.5	1418.8	1512.1	1637.1	1752.8	1856.1	1924.8	1933.5	1934.9
55°	1220.8	1223.7	1210.7	1309.7	1400.1	1530.9	1663.9	1764.3	1833.0	1840.2	1844.6
57.5°	1116.0	1116.7	1105.9	1200.6	1287.3	1421.0	1560.5	1666.0	1731.1	1738.3	1744.8
60°	1011.9	1011.2	998.9	1090.7	1173.8	1306.1	1451.4	1556.2	1619.1	1625.6	1634.2
62.5°	908.6	906.4	895.5	980.1	1058.2	1189.0	1335.0	1436.2	1496.2	1500.5	1512.1
65°	805.9	803.7	793.6	871.7	942.5	1067.6	1210.7	1306.8	1361.0	1366.8	1364.6
67.5°	704.7	700.4	692.4	762.5	826.9	942.5	1079.9	1171.6	1216.5	1221.5	1235.3
70°	603.5	598.5	580.4	654.9	711.2	814.6	942.5	1024.2	1061.8	1066.8	1064.7
72.5°	503.8	498.7	479.2	547.9	595.6	685.9	800.1	868.1	900.6	904.9	904.9
75°	406.9	404.0	391.8	443.8	483.5	557.3	654.1	710.5	735.8	740.9	739.4
77.5°	313.7	311.5	299.2	344.1	375.1	430.1	508.1	552.2	571.0	576.8	589.1
80°	224.8	224.1	204.6	248.6	262.4	308.6	365.7	399.7	409.8	417.8	426.4
82.5°	143.8	144.6	125.0	162.6	168.4	198.0	233.5	254.4	261.7	268.2	274.7
85°	70.1	73.0	62.2	86.0	86.7	101.9	117.1	125.0	127.9	133.0	138.8
87.5°	18.1	21.0	11.6	24.6	21.7	28.2	32.5	34.7	34.0	37.6	39.8
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°	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6
2.5°	3032.8	3056.0	3044.4	3082.0	3096.5	3073.3	3113.8	3114.5	3085.6	3119.6	3138.4
5°	2985.9	3009.7	3002.5	3041.5	3059.6	3039.4	3088.5	3097.9	3069.7	3108.0	3138.4
7.5°	2938.2	2966.3	2957.0	2996.7	3018.4	3002.5	3055.3	3070.4	3048.7	3090.7	3131.1
10°	2897.0	2920.8	2910.7	2952.6	2971.4	2958.4	3010.4	3038.6	3018.4	3069.7	3118.1
12.5°	2856.5	2876.0	2864.4	2899.1	2917.2	2900.6	2964.2	2990.2	2975.7	3029.2	3091.4
15°	2804.4	2826.1	2810.2	2841.3	2855.0	2840.6	2892.6	2937.4	2919.4	2977.9	3046.6
17.5°	2764.7	2777.0	2755.3	2779.9	2787.8	2768.3	2821.1	2865.2	2852.1	2915.8	2995.3
20°	2720.6	2730.7	2700.4	2714.1	2713.4	2688.8	2737.2	2780.6	2771.9	2842.0	2932.4
22.5°	2671.4	2676.5	2641.1	2644.0	2642.5	2602.1	2645.4	2689.5	2685.9	2756.7	2857.9
25°	2619.4	2620.1	2574.6	2573.1	2557.2	2509.5	2547.9	2597.7	2586.9	2663.5	2769.7
27.5°	2568.1	2560.9	2505.9	2492.9	2467.6	2410.5	2444.5	2489.3	2482.8	2558.0	2675.8
30°	2513.2	2503.8	2436.5	2412.7	2375.8	2310.1	2338.2	2380.2	2383.8	2449.6	2573.1
32.5°	2461.1	2437.3	2362.8	2328.1	2281.9	2205.2	2220.4	2263.1	2268.9	2335.3	2462.6
35°	2393.9	2378.0	2286.2	2226.9	2181.4	2097.5	2113.5	2143.1	2151.8	2216.8	2346.2
37.5°	2330.3	2305.0	2207.4	2135.1	2076.6	1988.4	1992.7	2023.1	2031.8	2097.5	2225.5
40°	2264.5	2228.4	2123.6	2039.0	1971.8	1879.3	1874.2	1906.0	1912.5	1976.8	2092.5
42.5°	2194.4	2151.0	2033.2	1940.7	1863.4	1769.4	1759.3	1786.7	1794.0	1856.9	1970.3
45°	2123.6	2071.5	1940.7	1839.5	1754.9	1658.8	1648.7	1669.7	1680.5	1739.8	1848.9
47.5°	2048.4	1987.7	1845.3	1732.5	1645.1	1548.9	1536.7	1557.6	1566.3	1624.8	1728.2
50°	1969.6	1895.9	1747.0	1622.7	1535.9	1441.3	1423.2	1447.8	1455.7	1510.6	1611.8
52.5°	1882.9	1801.2	1642.2	1512.1	1425.4	1335.0	1313.3	1337.2	1346.6	1400.1	1493.3
55°	1791.1	1702.9	1536.7	1410.2	1316.2	1228.0	1210.0	1219.4	1239.6	1290.2	1376.9
57.5°	1687.7	1600.3	1425.4	1296.7	1206.3	1121.8	1106.6	1115.3	1134.1	1183.2	1261.3
60°	1577.9	1485.3	1311.9	1183.2	1095.8	1015.5	1001.8	1009.7	1030.0	1074.8	1147.1
62.5°	1469.4	1365.4	1194.8	1066.8	987.3	912.9	909.3	906.4	925.2	968.5	1032.2
65°	1337.9	1238.1	1072.6	951.2	878.9	811.7	797.2	803.7	821.8	861.6	928.1
67.5°	1196.9	1106.6	947.6	835.6	771.2	711.2	698.9	701.8	720.6	755.3	813.1
70°	1047.3	967.8	819.6	719.2	665.0	608.6	600.6	601.4	619.4	649.8	700.4
72.5°	890.5	818.9	690.3	604.3	559.4	519.0	511.7	503.1	519.7	545.7	589.1
75°	730.7	667.9	561.6	491.5	456.1	422.1	415.6	406.9	423.6	446.0	479.9
77.5°	569.6	519.0	436.6	382.4	354.9	329.6	323.8	314.4	331.0	347.7	374.4
80°	412.0	375.1	326.0	268.9	259.5	242.9	237.1	227.0	242.9	253.7	273.9
82.5°	266.0	241.4	213.2	173.5	172.0	159.7	156.8	145.3	159.7	166.2	181.4
85°	134.4	122.9	115.6	88.2	91.1	83.1	82.4	70.1	81.7	84.6	93.2
87.5°	38.3	40.5	36.1	21.7	27.5	26.0	26.0	18.8	26.0	26.0	29.6
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: P838033

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-5HI-50-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6	3098.6
2.5°	3101.5	3113.8	3116.7	3116.0	3123.9	3167.3	3152.8	3167.3
5°	3108.7	3136.2	3143.4	3153.6	3166.6	3215.7	3199.8	3217.2
7.5°	3113.1	3154.3	3170.2	3189.7	3210.7	3265.6	3252.6	3269.9
10°	3113.1	3166.6	3189.7	3222.2	3250.4	3314.0	3301.7	3322.0
12.5°	3100.1	3168.7	3201.3	3246.8	3282.9	3351.6	3346.5	3361.0
15°	3073.3	3157.9	3202.7	3261.2	3306.1	3382.7	3380.5	3397.9
17.5°	3037.2	3139.1	3193.3	3267.0	3323.4	3409.4	3414.5	3423.9
20°	2991.6	3103.7	3174.5	3264.9	3335.7	3430.4	3436.9	3449.9
22.5°	2931.7	3061.0	3146.3	3255.5	3337.1	3439.1	3450.6	3462.9
25°	2860.8	3009.7	3109.5	3237.4	3329.9	3438.3	3454.2	3465.1
27.5°	2779.9	2943.2	3062.5	3208.5	3309.7	3426.8	3446.3	3459.3
30°	2685.9	2872.4	3009.0	3170.9	3282.2	3405.1	3426.0	3439.1
32.5°	2589.1	2794.3	2945.4	3122.5	3242.5	3370.4	3388.5	3398.6
35°	2483.5	2699.6	2868.8	3060.3	3191.1	3314.7	3328.5	3339.3
37.5°	2368.6	2597.0	2781.3	2990.2	3118.9	3237.4	3249.7	3262.0
40°	2250.1	2489.3	2683.0	2904.2	3032.8	3142.7	3155.7	3164.4
42.5°	2130.8	2370.0	2578.2	2803.0	2930.9	3036.5	3044.4	3053.1
45°	2010.1	2246.4	2460.4	2691.0	2817.5	2916.5	2919.4	2926.6
47.5°	1887.2	2118.5	2331.0	2563.0	2688.1	2778.4	2781.3	2787.1
50°	1763.6	1990.6	2193.0	2425.0	2547.1	2642.5	2629.5	2635.3
52.5°	1642.2	1856.1	2062.9	2276.1	2396.8	2481.4	2485.0	2473.4
55°	1522.9	1724.6	1914.7	2120.0	2234.9	2300.7	2298.5	2302.8
57.5°	1402.2	1591.6	1765.8	1953.7	2065.7	2127.9	2140.9	2125.7
60°	1279.3	1457.2	1613.3	1783.1	1891.6	1943.6	1958.8	1944.3
62.5°	1157.2	1320.5	1462.2	1610.4	1710.9	1775.2	1773.7	1757.8
65°	1035.0	1183.2	1309.7	1435.5	1522.9	1587.3	1584.4	1569.9
67.5°	922.3	1044.4	1157.9	1259.8	1335.7	1379.8	1395.0	1377.6
70°	798.0	903.5	1003.2	1084.9	1147.8	1187.6	1202.0	1186.8
72.5°	673.6	763.3	833.4	912.2	960.6	993.8	1009.0	994.6
75°	550.8	624.5	681.6	743.0	777.0	805.2	822.5	808.1
77.5°	431.5	488.6	534.1	579.0	618.0	624.5	639.7	630.3
80°	318.0	359.2	392.5	422.1	450.3	453.2	465.5	459.7
82.5°	211.8	239.2	247.9	279.0	297.1	294.2	306.5	302.1
85°	112.0	128.7	143.8	153.2	163.4	154.0	164.8	160.5
87.5°	37.6	39.8	34.7	49.2	54.2	46.3	52.8	50.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)