

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: P838224

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-3STD-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: P838224
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-24-4-INS-ASY2R-LD4-3STD-40-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

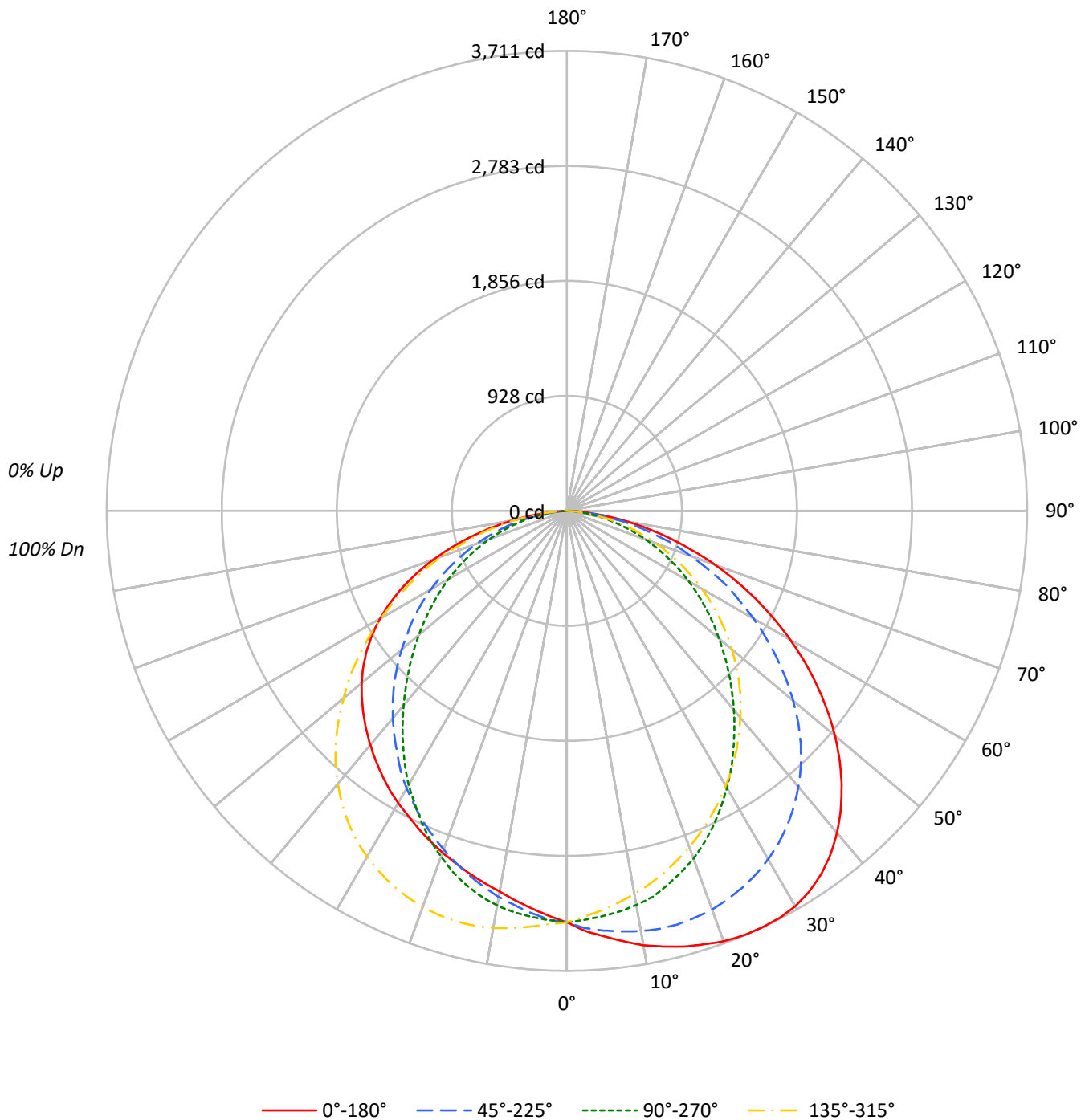
Lumens per Lamp: N/A
Luminaire Lumens: 9735.9 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4465	4465	4465	4465
5°	4653	4433	4349	4440
10°	4861	4410	4261	4416
15°	5069	4354	4219	4355
20°	5290	4275	4201	4251
25°	5509	4155	4200	4113
30°	5722	4011	4228	3966
35°	5874	3846	4271	3785
40°	5952	3680	4330	3597
45°	5964	3513	4414	3424
50°	5908	3352	4522	3263
55°	5785	3203	4623	3114
60°	5603	3048	4685	2968
65°	5353	2869	4660	2802
70°	5000	2659	4495	2610
75°	4499	2370	4125	2358
80°	3815	1985	3467	2015
85°	2652	1314	2198	1351

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.1	3.2
10°-20°	912.4	9.4
20°-30°	1398.2	14.4
30°-40°	1700.1	17.5
40°-50°	1767.4	18.2
50°-60°	1596.5	16.4
60°-70°	1213.7	12.5
70°-80°	676.7	7.0
80°-90°	155.8	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°	2625.6	27.0
0°-40°	4325.8	44.4
0°-60°	7689.7	79.0
0°-90°	9735.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9735.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3318	3318	3318	3318	3318	
5°	3445	3282	3220	3288	3445	332
15°	3639	3126	3029	3126	3639	1032
25°	3711	2799	2829	2770	3711	1714
35°	3576	2342	2600	2304	3576	2234
45°	3134	1846	2320	1800	3134	2413
55°	2466	1366	1971	1328	2466	2202
65°	1681	901	1464	880	1681	1661
75°	865	456	793	454	865	919
85°	172	85	142	88	172	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°	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4
2.5°	3392.0	3342.4	3343.2	3386.6	3353.3	3369.5	3323.1	3340.9	3335.5	3339.3	3301.4
5°	3445.4	3392.0	3391.2	3428.4	3391.2	3398.2	3339.3	3351.0	3333.9	3323.1	3282.1
7.5°	3501.9	3448.5	3443.1	3475.6	3426.8	3421.4	3356.4	3356.4	3325.4	3298.3	3259.6
10°	3557.6	3502.7	3495.7	3520.5	3460.1	3442.3	3363.3	3351.0	3309.9	3269.7	3227.9
12.5°	3599.4	3543.7	3538.3	3553.8	3485.6	3453.1	3363.3	3339.3	3279.0	3222.5	3189.9
15°	3638.9	3581.6	3566.9	3574.7	3496.5	3453.1	3352.5	3315.3	3237.9	3163.6	3125.7
17.5°	3666.8	3611.8	3597.1	3596.3	3501.9	3440.0	3329.3	3278.2	3185.3	3095.5	3057.6
20°	3694.6	3639.7	3621.1	3607.2	3500.3	3422.2	3295.2	3226.3	3118.0	3017.3	2985.6
22.5°	3708.6	3652.1	3631.9	3611.0	3490.3	3389.7	3253.4	3165.9	3042.1	2922.1	2895.8
25°	3710.9	3652.8	3631.2	3601.0	3470.2	3351.0	3199.2	3093.2	2954.6	2821.5	2799.0
27.5°	3704.7	3641.2	3619.6	3583.2	3440.0	3303.7	3135.0	3010.4	2861.7	2714.7	2690.7
30°	3683.0	3618.8	3597.9	3550.7	3397.4	3245.7	3064.5	2918.2	2758.8	2602.4	2581.5
32.5°	3639.7	3577.0	3560.0	3512.7	3351.0	3178.3	2982.5	2819.2	2645.0	2495.6	2464.6
35°	3576.2	3513.5	3502.7	3453.1	3285.9	3097.8	2892.7	2710.8	2524.2	2371.8	2341.6
37.5°	3493.4	3440.7	3424.5	3375.7	3209.3	3006.5	2789.8	2593.1	2401.2	2237.1	2218.5
40°	3388.9	3339.3	3327.0	3283.6	3120.3	2905.1	2678.3	2471.6	2274.2	2121.7	2095.4
42.5°	3269.7	3223.2	3216.3	3171.4	3010.4	2792.8	2557.5	2345.4	2141.9	1994.8	1968.5
45°	3134.2	3089.3	3087.8	3045.2	2890.4	2668.2	2430.6	2217.7	2012.6	1860.1	1846.2
47.5°	2984.8	2944.6	2944.6	2905.1	2756.5	2531.2	2299.8	2084.6	1882.5	1747.9	1723.1
50°	2822.3	2784.3	2772.7	2753.4	2608.6	2381.8	2162.0	1954.5	1754.0	1625.5	1601.6
52.5°	2648.9	2616.4	2624.1	2588.5	2448.4	2226.2	2022.6	1808.2	1624.8	1507.9	1483.9
55°	2466.2	2419.7	2426.7	2413.6	2281.2	2066.0	1866.3	1687.5	1497.8	1387.9	1365.5
57.5°	2276.5	2216.2	2240.9	2233.2	2103.1	1901.9	1723.1	1550.5	1371.7	1270.2	1248.6
60°	2082.2	2024.2	2049.7	2042.8	1920.5	1737.8	1575.2	1415.0	1246.3	1154.1	1132.5
62.5°	1882.5	1829.1	1852.4	1846.9	1734.7	1569.8	1428.2	1281.1	1120.1	1037.3	1017.1
65°	1681.3	1630.2	1651.1	1647.2	1543.5	1418.1	1277.2	1142.5	993.1	921.1	901.0
67.5°	1475.4	1428.2	1447.5	1447.5	1352.3	1232.3	1125.5	1002.4	868.5	806.6	788.0
70°	1271.0	1226.9	1243.9	1242.4	1161.9	1064.3	972.2	862.3	742.3	691.2	675.8
72.5°	1065.1	1026.4	1041.9	1040.4	973.0	910.3	819.0	723.8	619.3	578.2	564.3
75°	865.4	829.0	843.7	842.2	787.2	728.4	667.2	588.3	498.5	469.9	455.9
77.5°	675.0	637.8	650.2	650.2	610.0	567.4	518.6	457.5	394.0	363.0	353.0
80°	492.3	474.5	468.3	469.1	442.0	414.1	389.4	330.5	284.1	263.2	256.2
82.5°	323.6	308.9	302.7	304.2	288.7	271.7	256.2	215.2	184.2	171.8	168.0
85°	171.8	161.0	155.6	159.5	156.4	147.1	139.3	111.5	92.1	87.5	85.1
87.5°	54.2	47.2	43.3	57.3	48.8	43.3	41.8	33.3	25.5	25.5	24.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4
2.5°	3313.8	3313.8	3283.6	3276.6	3273.5	3277.4	3247.2	3241.8	3285.2	3270.4	3237.2
5°	3287.5	3285.9	3243.4	3235.6	3235.6	3231.0	3196.9	3189.2	3232.5	3220.1	3183.8
7.5°	3255.0	3250.3	3200.0	3194.6	3186.8	3183.8	3145.8	3140.4	3177.6	3169.8	3135.8
10°	3215.5	3210.8	3151.2	3147.4	3138.9	3132.7	3097.1	3093.2	3131.1	3118.7	3091.6
12.5°	3163.6	3155.1	3094.0	3090.1	3083.1	3080.8	3046.0	3044.4	3086.2	3073.8	3045.2
15°	3095.5	3088.5	3020.4	3022.0	3022.7	3022.7	2994.9	2993.3	3034.4	3028.9	2998.0
17.5°	3020.4	3011.1	2946.1	2950.8	2956.2	2962.4	2940.7	2944.6	2987.9	2980.9	2953.1
20°	2935.3	2926.0	2862.5	2875.7	2887.3	2899.7	2885.7	2896.6	2936.8	2933.7	2912.8
22.5°	2840.1	2830.8	2771.9	2792.1	2811.4	2834.6	2828.5	2840.8	2883.4	2882.6	2864.1
25°	2724.0	2726.3	2674.4	2699.2	2731.7	2764.2	2766.5	2786.7	2833.9	2829.2	2812.2
27.5°	2615.6	2618.7	2563.7	2605.5	2648.9	2690.7	2700.7	2728.6	2776.6	2772.7	2758.0
30°	2501.8	2505.7	2452.3	2509.5	2562.2	2613.3	2634.9	2672.9	2721.6	2721.6	2706.2
32.5°	2383.4	2390.3	2334.6	2411.2	2472.4	2532.0	2569.9	2609.4	2665.1	2663.6	2650.4
35°	2261.8	2269.6	2218.5	2316.0	2377.2	2449.9	2497.2	2549.8	2599.3	2600.1	2590.0
37.5°	2138.0	2147.3	2100.8	2207.6	2277.3	2363.2	2423.6	2476.3	2531.2	2534.3	2525.0
40°	2014.9	2025.0	1984.7	2087.7	2175.9	2271.9	2341.6	2403.5	2463.9	2465.4	2459.2
42.5°	1891.8	1902.7	1872.5	1973.1	2073.0	2175.9	2258.0	2328.4	2390.3	2394.2	2387.2
45°	1771.8	1781.1	1759.5	1869.4	1965.4	2077.6	2172.0	2251.8	2314.5	2319.9	2317.6
47.5°	1652.6	1661.2	1641.8	1742.4	1853.1	1972.3	2081.5	2169.7	2236.3	2242.5	2240.9
50°	1535.8	1542.7	1521.8	1627.1	1737.0	1864.0	1977.8	2079.9	2154.2	2160.4	2159.7
52.5°	1419.6	1426.6	1408.8	1519.5	1619.4	1753.3	1877.1	1987.8	2061.3	2070.6	2072.2
55°	1307.4	1310.5	1296.6	1402.6	1499.4	1639.5	1781.9	1889.5	1963.0	1970.8	1975.4
57.5°	1195.2	1195.9	1184.3	1285.7	1378.6	1521.8	1671.2	1784.2	1853.9	1861.6	1868.6
60°	1083.7	1082.9	1069.8	1168.1	1257.1	1398.7	1554.3	1666.6	1733.9	1740.9	1750.2
62.5°	973.0	970.7	959.1	1049.6	1133.2	1273.3	1429.7	1538.1	1602.3	1607.0	1619.4
65°	863.1	860.8	849.9	933.5	1009.4	1143.3	1296.6	1399.5	1457.6	1463.8	1461.4
67.5°	754.7	750.1	741.6	816.6	885.5	1009.4	1156.5	1254.8	1302.8	1308.2	1322.9
70°	646.3	640.9	621.6	701.3	761.7	872.4	1009.4	1096.9	1137.1	1142.5	1140.2
72.5°	539.5	534.1	513.2	586.7	637.8	734.6	856.9	929.7	964.5	969.1	969.1
75°	435.8	432.7	419.5	475.3	517.9	596.8	700.5	760.9	788.0	793.4	791.9
77.5°	335.9	333.6	320.5	368.5	401.7	460.6	544.2	591.4	611.5	617.7	630.9
80°	240.7	240.0	219.1	266.3	281.0	330.5	391.7	428.1	438.9	447.4	456.7
82.5°	154.0	154.8	133.9	174.2	180.4	212.1	250.0	272.5	280.2	287.2	294.1
85°	75.1	78.2	66.6	92.1	92.9	109.1	125.4	133.9	137.0	142.4	148.6
87.5°	19.4	22.4	12.4	26.3	23.2	30.2	34.8	37.2	36.4	40.3	42.6
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4
2.5°	3248.0	3272.8	3260.4	3300.6	3316.1	3291.3	3334.7	3335.5	3304.5	3340.9	3361.0
5°	3197.7	3223.2	3215.5	3257.3	3276.6	3255.0	3307.6	3317.7	3287.5	3328.5	3361.0
7.5°	3146.6	3176.8	3166.7	3209.3	3232.5	3215.5	3272.0	3288.3	3265.0	3309.9	3353.3
10°	3102.5	3128.0	3117.2	3162.1	3182.2	3168.3	3224.0	3254.2	3232.5	3287.5	3339.3
12.5°	3059.1	3080.0	3067.6	3104.8	3124.1	3106.3	3174.5	3202.3	3186.8	3244.1	3310.7
15°	3003.4	3026.6	3009.6	3042.9	3057.6	3042.1	3097.8	3145.8	3126.5	3189.2	3262.7
17.5°	2960.8	2974.0	2950.8	2977.1	2985.6	2964.7	3021.2	3068.4	3054.5	3122.6	3207.7
20°	2913.6	2924.4	2891.9	2906.6	2905.9	2879.5	2931.4	2977.8	2968.6	3043.6	3140.4
22.5°	2861.0	2866.4	2828.5	2831.6	2830.0	2786.7	2833.1	2880.3	2876.4	2952.3	3060.7
25°	2805.2	2806.0	2757.2	2755.7	2738.7	2687.6	2728.6	2782.0	2770.4	2852.5	2966.2
27.5°	2750.3	2742.5	2683.7	2669.8	2642.7	2581.5	2617.9	2665.9	2658.9	2739.4	2865.6
30°	2691.4	2681.4	2609.4	2583.8	2544.4	2473.9	2504.1	2549.0	2552.9	2623.3	2755.7
32.5°	2635.7	2610.2	2530.4	2493.3	2443.7	2361.7	2377.9	2423.6	2429.8	2501.0	2637.3
35°	2563.7	2546.7	2448.4	2384.9	2336.1	2246.4	2263.4	2295.1	2304.4	2374.1	2512.6
37.5°	2495.6	2468.5	2364.0	2286.6	2223.9	2129.5	2134.1	2166.6	2175.9	2246.4	2383.4
40°	2425.2	2386.5	2274.2	2183.7	2111.7	2012.6	2007.2	2041.2	2048.2	2117.1	2240.9
42.5°	2350.1	2303.6	2177.5	2078.4	1995.6	1894.9	1884.1	1913.5	1921.2	1988.6	2110.1
45°	2274.2	2218.5	2078.4	1970.0	1879.4	1776.5	1765.7	1788.1	1799.7	1863.2	1980.1
47.5°	2193.7	2128.7	1976.2	1855.4	1761.8	1658.8	1645.7	1668.1	1677.4	1740.1	1850.8
50°	2109.3	2030.4	1870.9	1737.8	1644.9	1543.5	1524.1	1550.5	1559.0	1617.8	1726.2
52.5°	2016.5	1929.0	1758.7	1619.4	1526.5	1429.7	1406.5	1432.0	1442.1	1499.4	1599.2
55°	1918.1	1823.7	1645.7	1510.2	1409.6	1315.1	1295.8	1305.9	1327.5	1381.7	1474.6
57.5°	1807.5	1713.8	1526.5	1388.7	1291.9	1201.4	1185.1	1194.4	1214.5	1267.2	1350.8
60°	1689.8	1590.7	1404.9	1267.2	1173.5	1087.6	1072.9	1081.4	1103.1	1151.0	1228.5
62.5°	1573.7	1462.2	1279.5	1142.5	1057.4	977.7	973.8	970.7	990.8	1037.3	1105.4
65°	1432.8	1326.0	1148.7	1018.7	941.3	869.3	853.8	860.8	880.1	922.7	993.9
67.5°	1281.9	1185.1	1014.8	894.8	825.9	761.7	748.5	751.6	771.7	808.9	870.8
70°	1121.6	1036.5	877.8	770.2	712.1	651.8	643.3	644.0	663.4	695.9	750.1
72.5°	953.7	877.0	739.2	647.1	599.1	555.8	548.0	538.8	556.6	584.4	630.9
75°	782.6	715.2	601.5	526.4	488.4	452.1	445.1	435.8	453.6	477.6	514.0
77.5°	610.0	555.8	467.5	409.5	380.1	353.0	346.8	336.7	354.5	372.3	401.0
80°	441.2	401.7	349.1	288.0	277.9	260.1	253.9	243.1	260.1	271.7	293.4
82.5°	284.9	258.5	228.4	185.8	184.2	171.1	168.0	155.6	171.1	178.0	194.3
85°	144.0	131.6	123.9	94.4	97.5	89.0	88.2	75.1	87.5	90.6	99.9
87.5°	41.0	43.3	38.7	23.2	29.4	27.9	27.9	20.1	27.9	27.9	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: P838224

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-3STD-40-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4	3318.4
2.5°	3321.5	3334.7	3337.8	3337.0	3345.5	3392.0	3376.5	3392.0
5°	3329.3	3358.7	3366.4	3377.3	3391.2	3443.8	3426.8	3445.4
7.5°	3333.9	3378.0	3395.1	3416.0	3438.4	3497.3	3483.3	3501.9
10°	3333.9	3391.2	3416.0	3450.8	3481.0	3549.1	3536.0	3557.6
12.5°	3320.0	3393.5	3428.4	3477.1	3515.8	3589.4	3583.9	3599.4
15°	3291.3	3381.9	3429.9	3492.6	3540.6	3622.7	3620.3	3638.9
17.5°	3252.6	3361.8	3419.8	3498.8	3559.2	3651.3	3656.7	3666.8
20°	3203.9	3323.9	3399.7	3496.5	3572.3	3673.7	3680.7	3694.6
22.5°	3139.6	3278.2	3369.5	3486.4	3573.9	3683.0	3695.4	3708.6
25°	3063.8	3223.2	3330.1	3467.1	3566.1	3682.3	3699.3	3710.9
27.5°	2977.1	3152.0	3279.7	3436.1	3544.5	3669.9	3690.8	3704.7
30°	2876.4	3076.2	3222.5	3395.8	3515.1	3646.6	3669.1	3683.0
32.5°	2772.7	2992.6	3154.3	3344.0	3472.5	3609.5	3628.8	3639.7
35°	2659.7	2891.2	3072.3	3277.4	3417.5	3549.9	3564.6	3576.2
37.5°	2536.6	2781.2	2978.6	3202.3	3340.1	3467.1	3480.2	3493.4
40°	2409.7	2665.9	2873.4	3110.2	3248.0	3365.7	3379.6	3388.9
42.5°	2282.0	2538.2	2761.1	3001.8	3138.9	3251.9	3260.4	3269.7
45°	2152.7	2405.8	2634.9	2881.9	3017.3	3123.4	3126.5	3134.2
47.5°	2021.1	2268.8	2496.4	2744.9	2878.8	2975.5	2978.6	2984.8
50°	1888.7	2131.8	2348.5	2597.0	2727.8	2830.0	2816.1	2822.3
52.5°	1758.7	1987.8	2209.2	2437.5	2566.8	2657.4	2661.3	2648.9
55°	1631.0	1846.9	2050.5	2270.3	2393.4	2463.9	2461.5	2466.2
57.5°	1501.7	1704.5	1891.1	2092.3	2212.3	2278.9	2292.8	2276.5
60°	1370.1	1560.5	1727.7	1909.6	2025.7	2081.5	2097.7	2082.2
62.5°	1239.3	1414.2	1565.9	1724.6	1832.2	1901.1	1899.6	1882.5
65°	1108.5	1267.2	1402.6	1537.3	1631.0	1699.9	1696.8	1681.3
67.5°	987.7	1118.5	1240.1	1349.2	1430.5	1477.7	1494.0	1475.4
70°	854.6	967.6	1074.4	1161.9	1229.2	1271.8	1287.3	1271.0
72.5°	721.4	817.4	892.5	976.9	1028.7	1064.3	1080.6	1065.1
75°	589.8	668.8	729.9	795.7	832.1	862.3	880.9	865.4
77.5°	462.1	523.3	572.0	620.0	661.8	668.8	685.1	675.0
80°	340.6	384.7	420.3	452.1	482.2	485.3	498.5	492.3
82.5°	226.8	256.2	265.5	298.8	318.1	315.0	328.2	323.6
85°	120.0	137.8	154.0	164.1	174.9	164.9	176.5	171.8
87.5°	40.3	42.6	37.2	52.6	58.1	49.5	56.5	54.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)