

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: P838175

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5LO-27-120-EDD-90**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838175
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-LD4-5LO-27-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

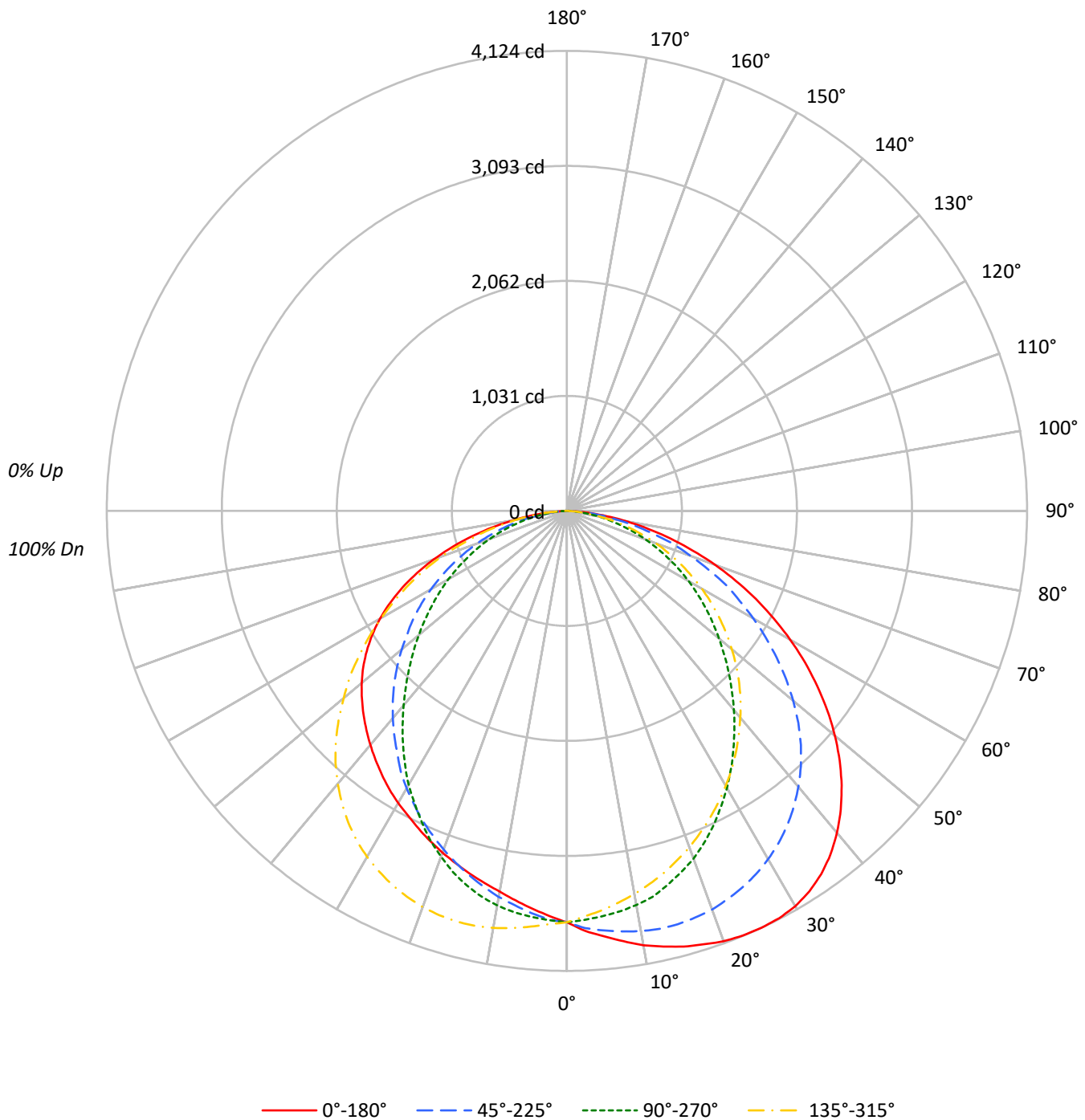
Lumens per Lamp: N/A
Luminaire Lumens: 10818.9 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 117
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	86	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	59
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	45	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	40	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4962	4962	4962	4962
5°	5171	4926	4833	4934
10°	5401	4901	4735	4908
15°	5633	4838	4689	4840
20°	5879	4750	4668	4723
25°	6122	4618	4668	4570
30°	6359	4457	4699	4408
35°	6527	4274	4746	4206
40°	6614	4090	4812	3998
45°	6627	3904	4905	3805
50°	6565	3725	5025	3626
55°	6429	3560	5137	3461
60°	6227	3386	5206	3299
65°	5948	3188	5179	3114
70°	5556	2954	4995	2900
75°	4999	2634	4584	2621
80°	4239	2206	3852	2239
85°	2949	1460	2444	1501

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.1	3.2
10°-20°	1013.8	9.4
20°-30°	1553.8	14.4
30°-40°	1889.3	17.5
40°-50°	1964.0	18.2
50°-60°	1774.1	16.4
60°-70°	1348.8	12.5
70°-80°	751.9	7.0
80°-90°	173.1	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°	2917.7	27.0
0°-40°	4807.0	44.4
0°-60°	8545.1	79.0
0°-90°	10818.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10818.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3688	3688	3688	3688	3688	
5°	3829	3647	3578	3653	3829	369
15°	4044	3473	3366	3474	4044	1147
25°	4124	3110	3144	3079	4124	1905
35°	3974	2602	2889	2561	3974	2482
45°	3483	2052	2578	2000	3483	2681
55°	2740	1517	2190	1475	2740	2446
65°	1868	1001	1627	978	1868	1846
75°	962	507	882	504	962	1022
85°	191	95	158	97	191	240
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°	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6
2.5°	3769.3	3714.3	3715.1	3763.3	3726.3	3744.4	3692.8	3712.6	3706.5	3710.8	3668.7
5°	3828.7	3769.3	3768.5	3809.8	3768.5	3776.2	3710.8	3723.7	3704.8	3692.8	3647.2
7.5°	3891.5	3832.1	3826.1	3862.2	3808.0	3802.0	3729.8	3729.8	3695.3	3665.2	3622.2
10°	3953.4	3892.3	3884.6	3912.1	3845.0	3825.2	3737.5	3723.7	3678.1	3633.4	3587.0
12.5°	3999.9	3937.9	3931.9	3949.1	3873.4	3837.3	3737.5	3710.8	3643.7	3580.9	3544.8
15°	4043.7	3980.1	3963.7	3972.3	3885.4	3837.3	3725.5	3684.2	3598.1	3515.6	3473.4
17.5°	4074.7	4013.6	3997.3	3996.4	3891.5	3822.7	3699.6	3642.9	3539.7	3439.9	3397.7
20°	4105.7	4044.6	4023.9	4008.5	3889.7	3802.9	3661.8	3585.2	3464.8	3353.0	3317.7
22.5°	4121.1	4058.3	4036.0	4012.8	3878.6	3766.7	3615.4	3518.2	3380.5	3247.2	3217.9
25°	4123.7	4059.2	4035.1	4001.6	3856.2	3723.7	3555.1	3437.3	3283.3	3135.4	3110.4
27.5°	4116.8	4046.3	4022.2	3981.8	3822.7	3671.3	3483.7	3345.3	3180.1	3016.7	2990.0
30°	4092.8	4021.4	3998.1	3945.7	3775.3	3606.7	3405.5	3242.9	3065.7	2891.9	2868.7
32.5°	4044.6	3974.9	3956.0	3903.5	3723.7	3531.9	3314.3	3132.8	2939.2	2773.2	2738.8
35°	3974.0	3904.4	3892.3	3837.3	3651.5	3442.5	3214.5	3012.4	2805.1	2635.6	2602.1
37.5°	3882.0	3823.5	3805.5	3751.3	3566.3	3341.0	3100.1	2881.6	2668.3	2485.9	2465.3
40°	3765.9	3710.8	3697.1	3648.9	3467.4	3228.3	2976.2	2746.6	2527.2	2357.8	2328.5
42.5°	3633.4	3581.8	3574.1	3524.2	3345.3	3103.5	2842.0	2606.4	2380.1	2216.7	2187.4
45°	3482.9	3433.0	3431.3	3384.0	3211.9	2965.1	2701.0	2464.4	2236.5	2067.0	2051.5
47.5°	3316.9	3272.1	3272.1	3228.3	3063.1	2812.8	2555.6	2316.5	2092.0	1942.3	1914.8
50°	3136.2	3094.1	3081.2	3059.7	2898.8	2646.8	2402.5	2172.0	1949.2	1806.4	1779.7
52.5°	2943.5	2907.4	2916.0	2876.5	2720.8	2473.9	2247.7	2009.4	1805.5	1675.6	1649.0
55°	2740.5	2688.9	2696.7	2682.1	2535.0	2295.8	2073.9	1875.2	1664.5	1542.3	1517.4
57.5°	2529.8	2462.7	2490.2	2481.6	2337.1	2113.5	1914.8	1722.9	1524.2	1411.6	1387.5
60°	2313.9	2249.4	2277.8	2270.0	2134.1	1931.1	1750.5	1572.4	1384.9	1282.5	1258.4
62.5°	2092.0	2032.6	2058.4	2052.4	1927.7	1744.5	1587.0	1423.6	1244.7	1152.6	1130.3
65°	1868.3	1811.5	1834.8	1830.5	1715.2	1575.9	1419.3	1269.6	1103.6	1023.6	1001.3
67.5°	1639.5	1587.0	1608.5	1608.5	1502.7	1369.4	1250.7	1113.9	965.1	896.3	875.7
70°	1412.4	1363.4	1382.3	1380.6	1291.1	1182.8	1080.4	958.2	824.9	768.1	750.9
72.5°	1183.6	1140.6	1157.8	1156.1	1081.3	1011.6	910.1	804.3	688.1	642.6	627.1
75°	961.7	921.3	937.6	935.9	874.8	809.4	741.5	653.7	554.0	522.1	506.6
77.5°	750.1	708.8	722.6	722.6	677.8	630.5	576.3	508.4	437.8	403.4	392.2
80°	547.1	527.3	520.4	521.3	491.2	460.2	432.7	367.3	315.7	292.5	284.7
82.5°	359.6	343.2	336.3	338.1	320.8	301.9	284.7	239.1	204.7	191.0	186.7
85°	191.0	178.9	172.9	177.2	173.8	163.4	154.8	123.9	102.4	97.2	94.6
87.5°	60.2	52.5	48.2	63.7	54.2	48.2	46.4	37.0	28.4	28.4	27.5
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°	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6
2.5°	3682.4	3682.4	3648.9	3641.2	3637.7	3642.0	3608.5	3602.4	3650.6	3634.3	3597.3
5°	3653.2	3651.5	3604.2	3595.6	3595.6	3590.4	3552.6	3544.0	3592.1	3578.4	3537.9
7.5°	3617.1	3611.9	3556.0	3550.0	3541.4	3537.9	3495.8	3489.8	3531.1	3522.5	3484.6
10°	3573.2	3568.0	3501.8	3497.5	3488.0	3481.2	3441.6	3437.3	3479.4	3465.7	3435.6
12.5°	3515.6	3506.1	3438.2	3433.9	3426.1	3423.5	3384.8	3383.1	3429.6	3415.8	3384.0
15°	3439.9	3432.1	3356.4	3358.2	3359.0	3359.0	3328.0	3326.3	3371.9	3365.9	3331.5
17.5°	3356.4	3346.1	3273.9	3279.0	3285.0	3291.9	3267.8	3272.1	3320.3	3312.6	3281.6
20°	3261.8	3251.5	3181.0	3195.6	3208.5	3222.2	3206.8	3218.8	3263.5	3260.1	3236.9
22.5°	3156.0	3145.7	3080.3	3102.7	3124.2	3150.0	3143.1	3156.9	3204.2	3203.3	3182.7
25°	3027.0	3029.6	2971.9	2999.5	3035.6	3071.7	3074.3	3096.7	3149.1	3144.0	3125.0
27.5°	2906.6	2910.0	2848.9	2895.4	2943.5	2990.0	3001.2	3032.1	3085.5	3081.2	3064.8
30°	2780.1	2784.4	2725.1	2788.7	2847.2	2904.0	2928.1	2970.2	3024.4	3024.4	3007.2
32.5°	2648.5	2656.2	2594.3	2679.5	2747.4	2813.7	2855.8	2899.7	2961.6	2959.9	2945.3
35°	2513.5	2522.1	2465.3	2573.7	2641.6	2722.5	2775.0	2833.4	2888.5	2889.4	2878.2
37.5°	2375.8	2386.1	2334.5	2453.2	2530.7	2626.1	2693.2	2751.7	2812.8	2816.2	2805.9
40°	2239.1	2250.2	2205.5	2319.9	2418.0	2524.6	2602.1	2670.9	2738.0	2739.7	2732.8
42.5°	2102.3	2114.3	2080.8	2192.6	2303.6	2418.0	2509.2	2587.4	2656.2	2660.5	2652.8
45°	1969.0	1979.3	1955.2	2077.3	2184.0	2308.7	2413.7	2502.3	2571.9	2578.0	2575.4
47.5°	1836.5	1846.0	1824.4	1936.3	2059.3	2191.7	2313.0	2411.1	2485.1	2492.0	2490.2
50°	1706.6	1714.3	1691.1	1808.1	1930.3	2071.3	2197.8	2311.3	2393.9	2400.8	2399.9
52.5°	1577.6	1585.3	1565.5	1688.5	1799.5	1948.3	2085.9	2209.0	2290.7	2301.0	2302.7
55°	1452.8	1456.3	1440.8	1558.7	1666.2	1821.9	1980.1	2099.7	2181.4	2190.0	2195.2
57.5°	1328.1	1329.0	1316.1	1428.8	1532.0	1691.1	1857.1	1982.7	2060.1	2068.7	2076.5
60°	1204.3	1203.4	1188.8	1298.0	1396.9	1554.4	1727.2	1852.0	1926.8	1934.6	1944.9
62.5°	1081.3	1078.7	1065.8	1166.4	1259.3	1415.0	1588.8	1709.2	1780.6	1785.7	1799.5
65°	959.1	956.5	944.5	1037.4	1121.7	1270.5	1440.8	1555.2	1619.7	1626.6	1624.0
67.5°	838.7	833.5	824.1	907.5	984.0	1121.7	1285.1	1394.4	1447.7	1453.7	1470.1
70°	718.3	712.2	690.7	779.3	846.4	969.4	1121.7	1218.9	1263.6	1269.6	1267.1
72.5°	599.5	593.5	570.3	652.0	708.8	816.3	952.2	1033.1	1071.8	1076.9	1076.9
75°	484.3	480.8	466.2	528.2	575.5	663.2	778.5	845.6	875.7	881.7	880.0
77.5°	373.3	370.7	356.1	409.4	446.4	511.8	604.7	657.2	679.5	686.4	701.0
80°	267.5	266.7	243.4	295.9	312.2	367.3	435.3	475.7	487.7	497.2	507.5
82.5°	171.2	172.0	148.8	193.5	200.4	235.7	277.8	302.8	311.4	319.1	326.9
85°	83.4	86.9	74.0	102.4	103.2	121.3	139.3	148.8	152.3	158.3	165.2
87.5°	21.5	24.9	13.8	29.2	25.8	33.5	38.7	41.3	40.4	44.7	47.3
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6
2.5°	3609.3	3636.9	3623.1	3667.8	3685.0	3657.5	3705.7	3706.5	3672.1	3712.6	3734.9
5°	3553.4	3581.8	3573.2	3619.7	3641.2	3617.1	3675.6	3686.7	3653.2	3698.8	3734.9
7.5°	3496.6	3530.2	3519.0	3566.3	3592.1	3573.2	3636.0	3654.1	3628.3	3678.1	3726.3
10°	3447.6	3476.0	3464.0	3513.8	3536.2	3520.7	3582.7	3616.2	3592.1	3653.2	3710.8
12.5°	3399.4	3422.7	3408.9	3450.2	3471.7	3451.9	3527.6	3558.6	3541.4	3605.0	3679.0
15°	3337.5	3363.3	3344.4	3381.4	3397.7	3380.5	3442.5	3495.8	3474.3	3544.0	3625.7
17.5°	3290.2	3304.8	3279.0	3308.3	3317.7	3294.5	3357.3	3409.8	3394.3	3470.0	3564.6
20°	3237.7	3249.8	3213.6	3230.0	3229.1	3199.9	3257.5	3309.1	3298.8	3382.2	3489.8
22.5°	3179.2	3185.3	3143.1	3146.6	3144.8	3096.7	3148.3	3200.7	3196.4	3280.7	3401.2
25°	3117.3	3118.2	3064.0	3062.3	3043.3	2986.6	3032.1	3091.5	3078.6	3169.8	3296.2
27.5°	3056.2	3047.6	2982.3	2966.8	2936.7	2868.7	2909.1	2962.5	2954.7	3044.2	3184.4
30°	2990.9	2979.7	2899.7	2871.3	2827.4	2749.1	2782.7	2832.6	2836.9	2915.2	3062.3
32.5°	2928.9	2900.5	2811.9	2770.7	2715.6	2624.4	2642.5	2693.2	2700.1	2779.3	2930.6
35°	2848.9	2830.0	2720.8	2650.2	2596.0	2496.3	2515.2	2550.4	2560.8	2638.2	2792.2
37.5°	2773.2	2743.1	2627.0	2541.0	2471.3	2366.4	2371.5	2407.7	2418.0	2496.3	2648.5
40°	2695.0	2651.9	2527.2	2426.6	2346.6	2236.5	2230.5	2268.3	2276.0	2352.6	2490.2
42.5°	2611.5	2559.9	2419.7	2309.6	2217.6	2105.7	2093.7	2126.4	2135.0	2209.8	2344.9
45°	2527.2	2465.3	2309.6	2189.2	2088.5	1974.1	1962.1	1987.0	1999.9	2070.5	2200.3
47.5°	2437.8	2365.5	2196.0	2061.9	1957.8	1843.4	1828.7	1853.7	1864.0	1933.7	2056.7
50°	2344.0	2256.3	2079.1	1931.1	1827.9	1715.2	1693.7	1722.9	1732.4	1797.8	1918.2
52.5°	2240.8	2143.6	1954.3	1799.5	1696.3	1588.8	1563.0	1591.3	1602.5	1666.2	1777.1
55°	2131.5	2026.6	1828.7	1678.2	1566.4	1461.5	1439.9	1451.1	1475.2	1535.4	1638.6
57.5°	2008.5	1904.4	1696.3	1543.2	1435.6	1335.0	1316.9	1327.3	1349.6	1408.1	1501.0
60°	1877.8	1767.7	1561.2	1408.1	1304.0	1208.6	1192.2	1201.7	1225.8	1279.1	1365.1
62.5°	1748.8	1624.9	1421.9	1269.6	1175.0	1086.4	1082.1	1078.7	1101.0	1152.6	1228.3
65°	1592.2	1473.5	1276.5	1132.0	1046.0	966.0	948.8	956.5	978.0	1025.3	1104.5
67.5°	1424.5	1316.9	1127.7	994.4	917.8	846.4	831.8	835.2	857.6	898.9	967.7
70°	1246.4	1151.8	975.4	855.9	791.4	724.3	714.8	715.7	737.2	773.3	833.5
72.5°	1059.7	974.6	821.5	719.1	665.8	617.6	609.0	598.7	618.5	649.4	701.0
75°	869.6	794.8	668.4	584.9	542.8	502.3	494.6	484.3	504.1	530.7	571.2
77.5°	677.8	617.6	519.6	455.0	422.4	392.2	385.4	374.2	394.0	413.7	445.6
80°	490.3	446.4	387.9	320.0	308.8	289.0	282.1	270.1	289.0	301.9	326.0
82.5°	316.5	287.3	253.8	206.4	204.7	190.1	186.7	172.9	190.1	197.8	215.9
85°	160.0	146.2	137.6	104.9	108.4	98.9	98.1	83.4	97.2	100.6	111.0
87.5°	45.6	48.2	43.0	25.8	32.7	31.0	31.0	22.4	31.0	31.0	35.3
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: P838175

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5LO-27-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6	3687.6
2.5°	3691.0	3705.7	3709.1	3708.3	3717.7	3769.3	3752.1	3769.3
5°	3699.6	3732.3	3740.9	3753.0	3768.5	3827.0	3808.0	3828.7
7.5°	3704.8	3753.8	3772.8	3796.0	3820.9	3886.3	3870.8	3891.5
10°	3704.8	3768.5	3796.0	3834.7	3868.2	3943.9	3929.3	3953.4
12.5°	3689.3	3771.0	3809.8	3863.9	3907.0	3988.7	3982.6	3999.9
15°	3657.5	3758.1	3811.5	3881.1	3934.5	4025.7	4023.1	4043.7
17.5°	3614.5	3735.8	3800.3	3888.0	3955.1	4057.5	4063.5	4074.7
20°	3560.3	3693.6	3777.9	3885.4	3969.7	4082.4	4090.2	4105.7
22.5°	3488.9	3642.9	3744.4	3874.3	3971.5	4092.8	4106.5	4121.1
25°	3404.6	3581.8	3700.5	3852.8	3962.9	4091.9	4110.8	4123.7
27.5°	3308.3	3502.7	3644.6	3818.4	3938.8	4078.1	4101.4	4116.8
30°	3196.4	3418.4	3580.9	3773.6	3906.1	4052.3	4077.3	4092.8
32.5°	3081.2	3325.5	3505.2	3716.0	3858.8	4011.0	4032.5	4044.6
35°	2955.6	3212.8	3414.1	3642.0	3797.7	3944.8	3961.1	3974.0
37.5°	2818.8	3090.6	3310.0	3558.6	3711.7	3852.8	3867.4	3882.0
40°	2677.8	2962.5	3193.0	3456.2	3609.3	3740.1	3755.6	3765.9
42.5°	2535.8	2820.5	3068.3	3335.8	3488.0	3613.6	3623.1	3633.4
45°	2392.2	2673.4	2928.1	3202.5	3353.0	3470.8	3474.3	3482.9
47.5°	2245.9	2521.2	2774.1	3050.2	3199.0	3306.5	3310.0	3316.9
50°	2098.8	2368.9	2609.8	2885.9	3031.3	3144.8	3129.3	3136.2
52.5°	1954.3	2209.0	2455.0	2708.7	2852.4	2953.0	2957.3	2943.5
55°	1812.4	2052.4	2278.6	2522.9	2659.7	2738.0	2735.4	2740.5
57.5°	1668.8	1894.1	2101.4	2325.1	2458.4	2532.4	2547.9	2529.8
60°	1522.5	1734.1	1919.9	2122.1	2251.1	2313.0	2331.1	2313.9
62.5°	1377.2	1571.6	1740.2	1916.5	2036.1	2112.6	2110.9	2092.0
65°	1231.8	1408.1	1558.7	1708.3	1812.4	1889.0	1885.5	1868.3
67.5°	1097.6	1243.0	1378.0	1499.3	1589.6	1642.1	1660.2	1639.5
70°	949.6	1075.2	1193.9	1291.1	1366.0	1413.3	1430.5	1412.4
72.5°	801.7	908.4	991.8	1085.6	1143.2	1182.8	1200.8	1183.6
75°	655.5	743.2	811.2	884.3	924.7	958.2	978.9	961.7
77.5°	513.5	581.5	635.7	689.0	735.5	743.2	761.3	750.1
80°	378.5	427.5	467.1	502.3	535.9	539.3	554.0	547.1
82.5°	252.0	284.7	295.0	332.0	353.5	350.1	364.7	359.6
85°	133.3	153.1	171.2	182.4	194.4	183.2	196.1	191.0
87.5°	44.7	47.3	41.3	58.5	64.5	55.1	62.8	60.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)