

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: P838000

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6HI-35-120-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: P838000
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-LD4-6HI-35-120-EDD-90
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

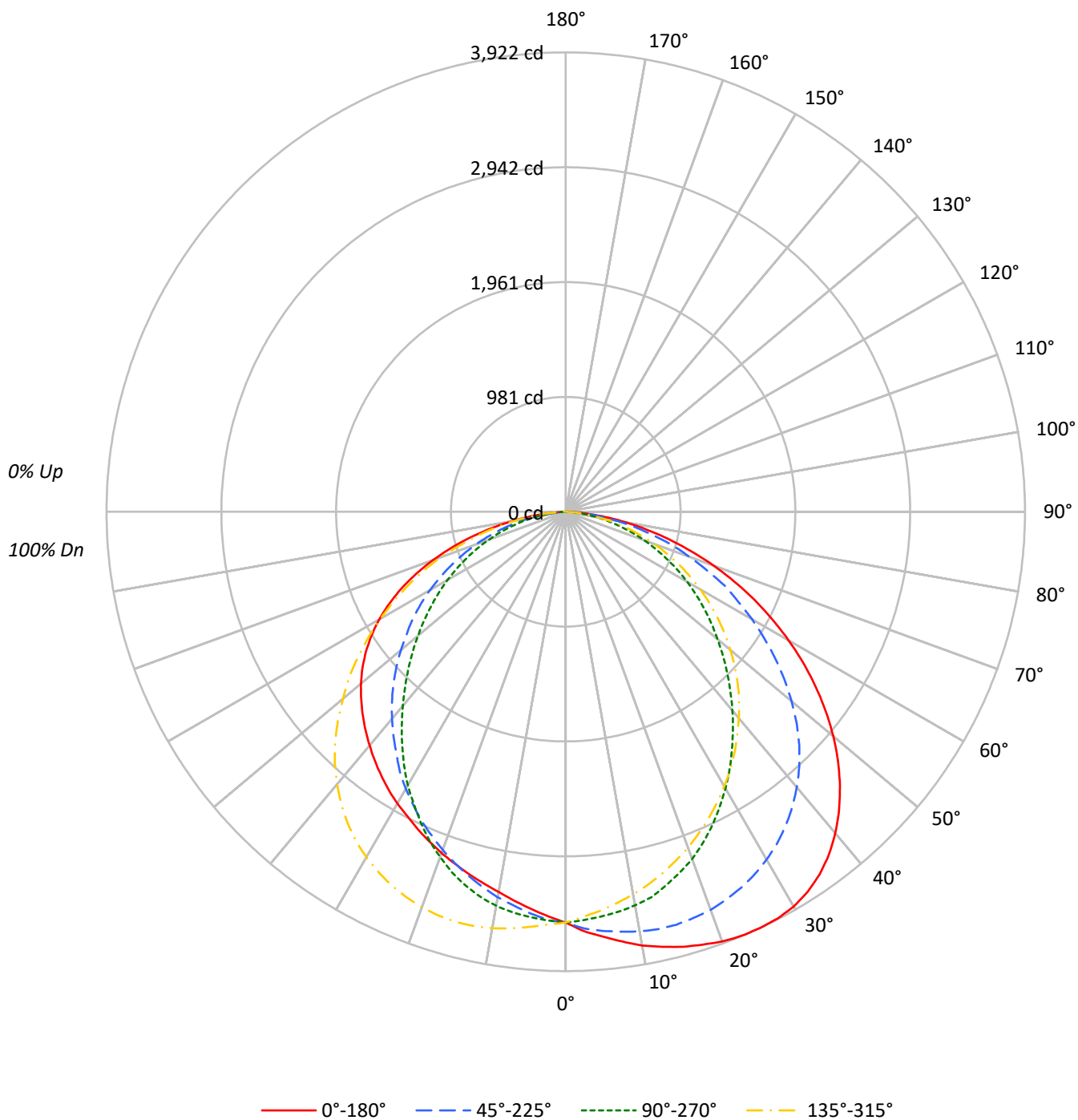
Lumens per Lamp: N/A
Luminaire Lumens: 10289.6 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 132
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9438	9438	9438	9438
5°	9836	9370	9193	9386
10°	10274	9322	9007	9335
15°	10714	9203	8918	9205
20°	11182	9036	8879	8985
25°	11645	8783	8878	8694
30°	12095	8478	8938	8384
35°	12416	8130	9027	8001
40°	12582	7779	9153	7604
45°	12606	7426	9331	7239
50°	12487	7086	9559	6898
55°	12229	6770	9772	6582
60°	11844	6442	9902	6274
65°	11314	6064	9850	5923
70°	10569	5619	9500	5516
75°	9509	5010	8719	4984
80°	8063	4197	7328	4260
85°	5607	2779	4647	2853

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.0	3.2
10°-20°	964.2	9.4
20°-30°	1477.7	14.4
30°-40°	1796.8	17.5
40°-50°	1867.9	18.2
50°-60°	1687.3	16.4
60°-70°	1282.8	12.5
70°-80°	715.1	7.0
80°-90°	164.7	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°	2775.0	27.0
0°-40°	4571.8	44.4
0°-60°	8127.0	79.0
0°-90°	10289.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10289.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3507	3507	3507	3507	3507	
5°	3641	3469	3403	3474	3641	351
15°	3846	3304	3201	3304	3846	1090
25°	3922	2958	2990	2928	3922	1811
35°	3780	2475	2748	2436	3780	2361
45°	3312	1951	2452	1902	3312	2550
55°	2606	1443	2083	1403	2606	2327
65°	1777	952	1547	930	1777	1756
75°	915	482	839	479	915	972
85°	182	90	150	92	182	229
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°	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2
2.5°	3584.9	3532.6	3533.4	3579.2	3544.0	3561.2	3512.1	3530.9	3525.2	3529.3	3489.2
5°	3641.4	3584.9	3584.1	3623.4	3584.1	3591.5	3529.3	3541.5	3523.6	3512.1	3468.7
7.5°	3701.1	3644.6	3638.9	3673.3	3621.7	3616.0	3547.3	3547.3	3514.6	3485.9	3445.0
10°	3760.0	3701.9	3694.5	3720.7	3656.9	3638.1	3554.6	3541.5	3498.2	3455.6	3411.5
12.5°	3804.2	3745.3	3739.5	3755.9	3683.9	3649.5	3554.6	3529.3	3465.5	3405.7	3371.4
15°	3845.9	3785.3	3769.8	3778.0	3695.4	3649.5	3543.2	3503.9	3422.1	3343.6	3303.5
17.5°	3875.3	3817.2	3801.7	3800.9	3701.1	3635.6	3518.6	3464.6	3366.5	3271.6	3231.5
20°	3904.8	3846.7	3827.1	3812.3	3699.4	3616.8	3482.6	3409.8	3295.3	3188.9	3155.4
22.5°	3919.5	3859.8	3838.5	3816.4	3688.8	3582.5	3438.5	3346.0	3215.1	3088.3	3060.5
25°	3922.0	3860.6	3837.7	3805.8	3667.5	3541.5	3381.2	3269.1	3122.7	2982.0	2958.2
27.5°	3915.4	3848.3	3825.4	3787.0	3635.6	3491.6	3313.3	3181.6	3024.5	2869.1	2843.7
30°	3892.5	3824.6	3802.5	3752.6	3590.6	3430.3	3238.9	3084.2	2915.7	2750.4	2728.4
32.5°	3846.7	3780.4	3762.4	3712.5	3541.5	3359.1	3152.1	2979.5	2795.4	2637.6	2604.8
35°	3779.6	3713.4	3701.9	3649.5	3472.8	3274.0	3057.2	2865.0	2667.8	2506.7	2474.7
37.5°	3692.1	3636.4	3619.3	3567.7	3391.8	3177.5	2948.4	2740.6	2537.7	2364.3	2344.7
40°	3581.6	3529.3	3516.2	3470.4	3297.8	3070.3	2830.6	2612.2	2403.6	2242.4	2214.6
42.5°	3455.6	3406.6	3399.2	3351.8	3181.6	2951.7	2703.0	2478.8	2263.7	2108.2	2080.4
45°	3312.5	3265.0	3263.4	3218.4	3054.8	2820.0	2568.8	2343.9	2127.1	1965.9	1951.2
47.5°	3154.6	3112.0	3112.0	3070.3	2913.2	2675.2	2430.6	2203.1	1989.6	1847.3	1821.1
50°	2982.8	2942.7	2930.4	2910.0	2757.0	2517.3	2284.9	2065.7	1853.8	1718.0	1692.6
52.5°	2799.5	2765.2	2773.4	2735.7	2587.6	2352.9	2137.7	1911.1	1717.2	1593.7	1568.3
55°	2606.5	2557.4	2564.7	2550.8	2410.9	2183.5	1972.4	1783.5	1583.0	1466.9	1443.1
57.5°	2406.0	2342.2	2368.4	2360.2	2222.8	2010.1	1821.1	1638.7	1449.7	1342.5	1319.6
60°	2200.7	2139.3	2166.3	2159.0	2029.7	1836.6	1664.8	1495.5	1317.1	1219.8	1196.9
62.5°	1989.6	1933.2	1957.7	1952.0	1833.4	1659.1	1509.4	1354.0	1183.8	1096.3	1075.0
65°	1776.9	1722.9	1745.0	1740.9	1631.3	1498.8	1349.9	1207.5	1049.6	973.5	952.3
67.5°	1559.3	1509.4	1529.8	1529.8	1429.2	1302.4	1189.5	1059.4	917.9	852.5	832.8
70°	1343.3	1296.7	1314.7	1313.0	1228.0	1124.9	1027.5	911.4	784.6	730.6	714.2
72.5°	1125.7	1084.8	1101.2	1099.5	1028.4	962.1	865.5	764.9	654.5	611.1	596.4
75°	914.6	876.2	891.7	890.1	832.0	769.8	705.2	621.8	526.9	496.6	481.9
77.5°	713.4	674.1	687.2	687.2	644.7	599.7	548.1	483.5	416.4	383.7	373.1
80°	520.3	501.5	494.9	495.8	467.1	437.7	411.5	349.3	300.2	278.2	270.8
82.5°	342.0	326.4	319.9	321.5	305.2	287.2	270.8	227.4	194.7	181.6	177.5
85°	181.6	170.2	164.4	168.5	165.3	155.4	147.3	117.8	97.4	92.4	90.0
87.5°	57.3	49.9	45.8	60.5	51.5	45.8	44.2	35.2	27.0	27.0	26.2
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°	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2
2.5°	3502.3	3502.3	3470.4	3463.0	3459.7	3463.8	3431.9	3426.2	3472.0	3456.5	3421.3
5°	3474.5	3472.8	3427.8	3419.7	3419.7	3414.7	3378.7	3370.6	3416.4	3403.3	3364.8
7.5°	3440.1	3435.2	3382.0	3376.3	3368.1	3364.8	3324.8	3319.0	3358.3	3350.1	3314.1
10°	3398.4	3393.5	3330.5	3326.4	3317.4	3310.8	3273.2	3269.1	3309.2	3296.1	3267.5
12.5°	3343.6	3334.6	3269.9	3265.9	3258.5	3256.0	3219.2	3217.6	3261.8	3248.7	3218.4
15°	3271.6	3264.2	3192.2	3193.9	3194.7	3194.7	3165.2	3163.6	3206.9	3201.2	3168.5
17.5°	3192.2	3182.4	3113.7	3118.6	3124.3	3130.9	3108.0	3112.0	3157.9	3150.5	3121.0
20°	3102.2	3092.4	3025.3	3039.2	3051.5	3064.6	3049.9	3061.3	3103.9	3100.6	3078.5
22.5°	3001.6	2991.8	2929.6	2950.9	2971.3	2995.9	2989.3	3002.4	3047.4	3046.6	3027.0
25°	2878.9	2881.3	2826.5	2852.7	2887.1	2921.4	2923.9	2945.2	2995.1	2990.2	2972.2
27.5°	2764.4	2767.6	2709.5	2753.7	2799.5	2843.7	2854.3	2883.8	2934.5	2930.4	2914.9
30°	2644.1	2648.2	2591.7	2652.3	2707.9	2761.9	2784.8	2824.9	2876.4	2876.4	2860.1
32.5°	2518.9	2526.3	2467.4	2548.4	2613.0	2676.0	2716.1	2757.8	2816.7	2815.1	2801.2
35°	2390.5	2398.7	2344.7	2447.8	2512.4	2589.3	2639.2	2694.8	2747.2	2748.0	2737.4
37.5°	2259.6	2269.4	2220.3	2333.2	2406.8	2497.7	2561.5	2617.1	2675.2	2678.5	2668.6
40°	2129.5	2140.1	2097.6	2206.4	2299.7	2401.1	2474.7	2540.2	2604.0	2605.6	2599.1
42.5°	1999.4	2010.9	1979.0	2085.3	2190.9	2299.7	2386.4	2460.8	2526.3	2530.4	2523.0
45°	1872.6	1882.4	1859.5	1975.7	2077.2	2195.8	2295.6	2379.8	2446.1	2451.8	2449.4
47.5°	1746.6	1755.6	1735.2	1841.5	1958.5	2084.5	2199.9	2293.1	2363.5	2370.0	2368.4
50°	1623.1	1630.5	1608.4	1719.6	1835.8	1970.0	2090.2	2198.2	2276.8	2283.3	2282.5
52.5°	1500.4	1507.8	1488.9	1605.9	1711.5	1853.0	1983.9	2100.9	2178.6	2188.4	2190.1
55°	1381.8	1385.0	1370.3	1482.4	1584.7	1732.7	1883.3	1997.0	2074.7	2082.9	2087.8
57.5°	1263.1	1264.0	1251.7	1358.9	1457.0	1608.4	1766.3	1885.7	1959.3	1967.5	1974.9
60°	1145.3	1144.5	1130.6	1234.5	1328.6	1478.3	1642.7	1761.4	1832.5	1839.9	1849.7
62.5°	1028.4	1025.9	1013.6	1109.3	1197.7	1345.8	1511.0	1625.6	1693.5	1698.4	1711.5
65°	912.2	909.7	898.3	986.6	1066.8	1208.3	1370.3	1479.1	1540.5	1547.0	1544.6
67.5°	797.6	792.7	783.7	863.1	935.9	1066.8	1222.2	1326.1	1376.9	1382.6	1398.1
70°	683.1	677.4	656.9	741.2	805.0	922.0	1066.8	1159.2	1201.8	1207.5	1205.1
72.5°	570.2	564.5	542.4	620.1	674.1	776.4	905.6	982.5	1019.4	1024.3	1024.3
75°	460.6	457.3	443.4	502.3	547.3	630.8	740.4	804.2	832.8	838.6	836.9
77.5°	355.1	352.6	338.7	389.4	424.6	486.8	575.1	625.0	646.3	652.8	666.8
80°	254.4	253.6	231.5	281.4	297.0	349.3	414.0	452.4	463.9	472.9	482.7
82.5°	162.8	163.6	141.5	184.1	190.6	224.2	264.2	288.0	296.2	303.5	310.9
85°	79.4	82.6	70.4	97.4	98.2	115.4	132.5	141.5	144.8	150.5	157.1
87.5°	20.5	23.7	13.1	27.8	24.5	31.9	36.8	39.3	38.5	42.5	45.0
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°	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2
2.5°	3432.7	3458.9	3445.8	3488.4	3504.7	3478.6	3524.4	3525.2	3492.5	3530.9	3552.2
5°	3379.6	3406.6	3398.4	3442.6	3463.0	3440.1	3495.7	3506.4	3474.5	3517.8	3552.2
7.5°	3325.6	3357.5	3346.8	3391.8	3416.4	3398.4	3458.1	3475.3	3450.7	3498.2	3544.0
10°	3278.9	3305.9	3294.5	3341.9	3363.2	3348.5	3407.4	3439.3	3416.4	3474.5	3529.3
12.5°	3233.1	3255.2	3242.1	3281.4	3301.8	3283.0	3355.0	3384.5	3368.1	3428.7	3499.0
15°	3174.2	3198.8	3180.8	3215.9	3231.5	3215.1	3274.0	3324.8	3304.3	3370.6	3448.3
17.5°	3129.2	3143.1	3118.6	3146.4	3155.4	3133.3	3193.0	3242.9	3228.2	3300.2	3390.2
20°	3079.3	3090.8	3056.4	3072.0	3071.1	3043.3	3098.1	3147.2	3137.4	3216.8	3319.0
22.5°	3023.7	3029.4	2989.3	2992.6	2991.0	2945.2	2994.2	3044.1	3040.1	3120.2	3234.8
25°	2964.8	2965.6	2914.1	2912.4	2894.4	2840.4	2883.8	2940.2	2928.0	3014.7	3135.0
27.5°	2906.7	2898.5	2836.3	2821.6	2793.0	2728.4	2766.8	2817.5	2810.2	2895.3	3028.6
30°	2844.5	2833.9	2757.8	2730.8	2689.1	2614.6	2646.5	2694.0	2698.1	2772.5	2912.4
32.5°	2785.6	2758.6	2674.4	2635.1	2582.7	2496.0	2513.2	2561.5	2568.0	2643.3	2787.3
35°	2709.5	2691.5	2587.6	2520.6	2469.0	2374.1	2392.1	2425.7	2435.5	2509.1	2655.5
37.5°	2637.6	2608.9	2498.5	2416.7	2350.4	2250.6	2255.5	2289.9	2299.7	2374.1	2518.9
40°	2563.1	2522.2	2403.6	2307.9	2231.8	2127.1	2121.3	2157.3	2164.7	2237.5	2368.4
42.5°	2483.7	2434.7	2301.3	2196.6	2109.1	2002.7	1991.3	2022.3	2030.5	2101.7	2230.1
45°	2403.6	2344.7	2196.6	2082.1	1986.3	1877.5	1866.1	1889.8	1902.1	1969.2	2092.7
47.5°	2318.5	2249.8	2088.6	1961.0	1862.0	1753.2	1739.3	1763.0	1772.8	1839.1	1956.1
50°	2229.3	2145.9	1977.3	1836.6	1738.5	1631.3	1610.8	1638.7	1647.7	1709.8	1824.4
52.5°	2131.1	2038.7	1858.7	1711.5	1613.3	1511.0	1486.5	1513.5	1524.1	1584.7	1690.2
55°	2027.2	1927.4	1739.3	1596.1	1489.8	1389.9	1369.5	1380.1	1403.0	1460.3	1558.5
57.5°	1910.3	1811.3	1613.3	1467.7	1365.4	1269.7	1252.5	1262.3	1283.6	1339.2	1427.6
60°	1785.9	1681.2	1484.8	1339.2	1240.2	1149.4	1133.9	1142.9	1165.8	1216.5	1298.3
62.5°	1663.2	1545.4	1352.3	1207.5	1117.5	1033.3	1029.2	1025.9	1047.2	1096.3	1168.2
65°	1514.3	1401.4	1214.1	1076.6	994.8	918.7	902.4	909.7	930.2	975.2	1050.4
67.5°	1354.8	1252.5	1072.5	945.7	872.9	805.0	791.1	794.4	815.6	854.9	920.4
70°	1185.4	1095.4	927.7	814.0	752.7	688.8	679.8	680.7	701.1	735.5	792.7
72.5°	1007.9	926.9	781.3	683.9	633.2	587.4	579.2	569.4	588.2	617.7	666.8
75°	827.1	755.9	635.7	556.3	516.2	477.8	470.4	460.6	479.4	504.8	543.2
77.5°	644.7	587.4	494.1	432.8	401.7	373.1	366.5	355.9	374.7	393.5	423.8
80°	466.3	424.6	369.0	304.3	293.7	274.9	268.3	256.9	274.9	287.2	310.1
82.5°	301.1	273.2	241.3	196.3	194.7	180.8	177.5	164.4	180.8	188.2	205.3
85°	152.2	139.1	130.9	99.8	103.1	94.1	93.3	79.4	92.4	95.7	105.5
87.5°	43.4	45.8	40.9	24.5	31.1	29.5	29.5	21.3	29.5	29.5	33.5
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: P838000

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-6HI-35-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2
2.5°	3510.5	3524.4	3527.6	3526.8	3535.8	3584.9	3568.5	3584.9
5°	3518.6	3549.7	3557.9	3569.4	3584.1	3639.7	3621.7	3641.4
7.5°	3523.6	3570.2	3588.2	3610.3	3634.0	3696.2	3681.4	3701.1
10°	3523.6	3584.1	3610.3	3647.1	3679.0	3751.0	3737.1	3760.0
12.5°	3508.8	3586.5	3623.4	3674.9	3715.8	3793.5	3787.8	3804.2
15°	3478.6	3574.3	3625.0	3691.3	3742.0	3828.7	3826.2	3845.9
17.5°	3437.7	3553.0	3614.4	3697.8	3761.6	3859.0	3864.7	3875.3
20°	3386.1	3512.9	3593.1	3695.4	3775.5	3882.7	3890.1	3904.8
22.5°	3318.2	3464.6	3561.2	3684.7	3777.2	3892.5	3905.6	3919.5
25°	3238.0	3406.6	3519.5	3664.3	3769.0	3891.7	3909.7	3922.0
27.5°	3146.4	3331.3	3466.3	3631.5	3746.1	3878.6	3900.7	3915.4
30°	3040.1	3251.1	3405.7	3589.0	3715.0	3854.1	3877.8	3892.5
32.5°	2930.4	3162.8	3333.8	3534.2	3670.0	3814.8	3835.2	3846.7
35°	2811.0	3055.6	3247.0	3463.8	3611.9	3751.8	3767.3	3779.6
37.5°	2680.9	2939.4	3148.0	3384.5	3530.1	3664.3	3678.2	3692.1
40°	2546.7	2817.5	3036.8	3287.1	3432.7	3557.1	3571.8	3581.6
42.5°	2411.8	2682.5	2918.2	3172.6	3317.4	3436.8	3445.8	3455.6
45°	2275.1	2542.7	2784.8	3045.8	3188.9	3301.0	3304.3	3312.5
47.5°	2136.1	2397.8	2638.4	2901.0	3042.5	3144.8	3148.0	3154.6
50°	1996.2	2253.0	2482.1	2744.7	2883.0	2991.0	2976.2	2982.8
52.5°	1858.7	2100.9	2334.9	2576.2	2712.8	2808.5	2812.6	2799.5
55°	1723.7	1952.0	2167.1	2399.5	2529.6	2604.0	2601.6	2606.5
57.5°	1587.1	1801.5	1998.6	2211.3	2338.1	2408.5	2423.2	2406.0
60°	1448.0	1649.3	1826.0	2018.2	2141.0	2199.9	2217.0	2200.7
62.5°	1309.8	1494.7	1655.0	1822.7	1936.4	2009.3	2007.6	1989.6
65°	1171.5	1339.2	1482.4	1624.7	1723.7	1796.5	1793.3	1776.9
67.5°	1043.9	1182.2	1310.6	1425.9	1511.8	1561.8	1578.9	1559.3
70°	903.2	1022.6	1135.5	1228.0	1299.1	1344.1	1360.5	1343.3
72.5°	762.5	863.9	943.3	1032.4	1087.3	1124.9	1142.1	1125.7
75°	623.4	706.8	771.5	841.0	879.5	911.4	931.0	914.6
77.5°	488.4	553.0	604.6	655.3	699.5	706.8	724.0	713.4
80°	360.0	406.6	444.2	477.8	509.7	512.9	526.9	520.3
82.5°	239.7	270.8	280.6	315.8	336.2	333.0	346.9	342.0
85°	126.8	145.6	162.8	173.4	184.9	174.3	186.5	181.6
87.5°	42.5	45.0	39.3	55.6	61.4	52.4	59.7	57.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)