

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: P838018

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6HI-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: P838018
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-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

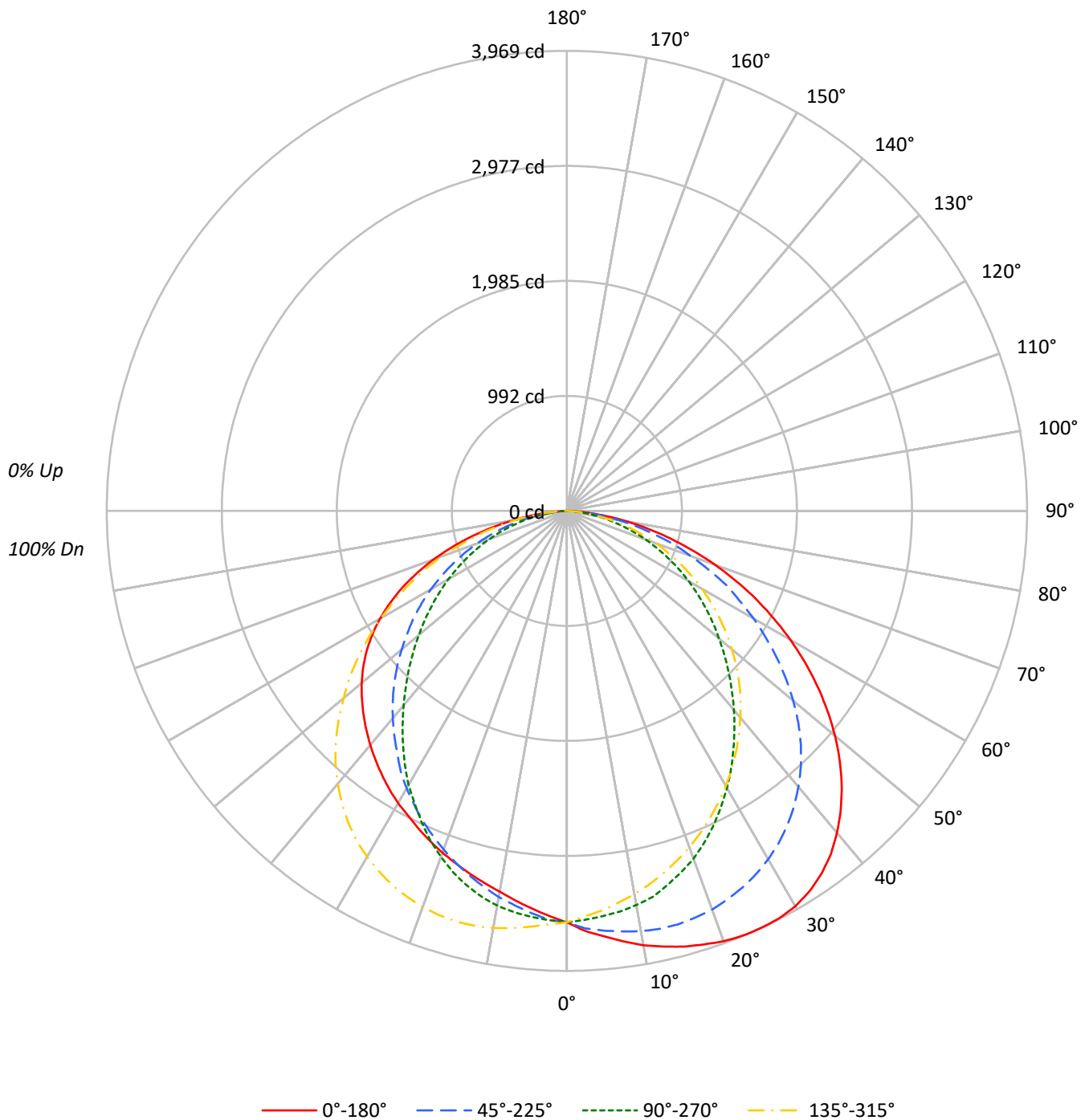
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10413.6 lumens
Efficiency: N/A
Efficacy: 78.9 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°	9551	9551	9551	9551
5°	9955	9483	9304	9498
10°	10398	9434	9115	9448
15°	10843	9314	9026	9316
20°	11317	9145	8986	9093
25°	11785	8889	8985	8799
30°	12241	8580	9046	8485
35°	12566	8228	9136	8097
40°	12733	7873	9263	7696
45°	12758	7515	9443	7326
50°	12638	7171	9674	6981
55°	12376	6852	9890	6662
60°	11987	6519	10022	6350
65°	11450	6136	9969	5994
70°	10696	5687	9615	5583
75°	9625	5071	8824	5045
80°	8161	4248	7417	4311
85°	5675	2813	4702	2890

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.0	3.2
10°-20°	975.9	9.4
20°-30°	1495.5	14.4
30°-40°	1818.5	17.5
40°-50°	1890.4	18.2
50°-60°	1707.6	16.4
60°-70°	1298.2	12.5
70°-80°	723.8	7.0
80°-90°	166.6	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°	2808.4	27.0
0°-40°	4626.9	44.4
0°-60°	8225.0	79.0
0°-90°	10413.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10413.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3549	3549	3549	3549	3549	
5°	3685	3510	3444	3516	3685	355
15°	3892	3343	3240	3344	3892	1104
25°	3969	2994	3026	2963	3969	1833
35°	3825	2505	2781	2465	3825	2389
45°	3352	1975	2481	1925	3352	2581
55°	2638	1460	2108	1420	2638	2355
65°	1798	964	1566	941	1798	1777
75°	926	488	849	485	926	983
85°	184	91	152	94	184	231
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°	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4
2.5°	3628.1	3575.1	3575.9	3622.3	3586.7	3604.1	3554.4	3573.5	3567.7	3571.8	3531.2
5°	3685.2	3628.1	3627.3	3667.0	3627.3	3634.7	3571.8	3584.2	3566.0	3554.4	3510.5
7.5°	3745.7	3688.5	3682.7	3717.5	3665.4	3659.6	3590.0	3590.0	3556.9	3527.9	3486.5
10°	3805.3	3746.5	3739.0	3765.5	3701.0	3681.9	3597.5	3584.2	3540.3	3497.3	3452.6
12.5°	3850.0	3790.4	3784.6	3801.1	3728.3	3693.5	3597.5	3571.8	3507.2	3446.8	3412.0
15°	3892.2	3830.9	3815.2	3823.5	3739.9	3693.5	3585.9	3546.1	3463.3	3383.9	3343.3
17.5°	3922.0	3863.2	3847.5	3846.7	3745.7	3679.4	3561.0	3506.4	3407.0	3311.0	3270.4
20°	3951.8	3893.0	3873.2	3858.3	3744.0	3660.4	3524.6	3450.9	3335.0	3227.4	3193.4
22.5°	3966.7	3906.3	3884.8	3862.4	3733.3	3625.6	3479.9	3386.3	3253.9	3125.5	3097.4
25°	3969.2	3907.1	3883.9	3851.6	3711.7	3584.2	3421.9	3308.5	3160.3	3017.9	2993.9
27.5°	3962.6	3894.7	3871.5	3832.6	3679.4	3533.7	3353.2	3219.9	3061.0	2903.6	2878.0
30°	3939.4	3870.7	3848.3	3797.8	3633.9	3471.6	3277.9	3121.4	2950.8	2783.6	2761.2
32.5°	3893.0	3826.0	3807.8	3757.3	3584.2	3399.6	3190.1	3015.4	2829.1	2669.3	2636.2
35°	3825.2	3758.1	3746.5	3693.5	3514.7	3313.5	3094.1	2899.5	2700.0	2536.9	2504.6
37.5°	3736.6	3680.3	3662.9	3610.7	3432.7	3215.8	2984.0	2773.7	2568.3	2392.8	2372.9
40°	3624.8	3571.8	3558.6	3512.2	3337.5	3107.3	2864.7	2643.7	2432.5	2269.4	2241.3
42.5°	3497.3	3447.6	3440.2	3392.1	3219.9	2987.3	2735.6	2508.7	2291.0	2133.6	2105.5
45°	3352.4	3304.4	3302.7	3257.2	3091.6	2854.0	2599.8	2372.1	2152.7	1989.6	1974.7
47.5°	3192.6	3149.5	3149.5	3107.3	2948.3	2707.4	2459.9	2229.7	2013.6	1869.5	1843.0
50°	3018.7	2978.2	2965.7	2945.0	2790.2	2547.6	2312.5	2090.6	1876.1	1738.7	1713.0
52.5°	2833.3	2798.5	2806.8	2768.7	2618.8	2381.2	2163.4	1934.1	1737.9	1612.9	1587.2
55°	2637.9	2588.2	2595.6	2581.6	2440.0	2209.8	1996.2	1804.9	1602.1	1484.5	1460.5
57.5°	2435.0	2370.4	2396.9	2388.7	2249.6	2034.3	1843.0	1658.4	1467.1	1358.7	1335.5
60°	2227.2	2165.1	2192.4	2185.0	2054.2	1858.8	1684.9	1513.5	1333.0	1234.5	1211.3
62.5°	2013.6	1956.5	1981.3	1975.5	1855.4	1679.1	1527.6	1370.3	1198.1	1109.5	1087.9
65°	1798.3	1743.7	1766.0	1761.9	1650.9	1516.8	1366.1	1222.1	1062.3	985.3	963.7
67.5°	1578.1	1527.6	1548.3	1548.3	1446.4	1318.1	1203.8	1072.2	929.0	862.7	842.9
70°	1359.5	1312.3	1330.5	1328.9	1242.8	1138.4	1039.9	922.3	794.0	739.4	722.8
72.5°	1139.3	1097.9	1114.4	1112.8	1040.7	973.7	876.0	774.1	662.4	618.5	603.6
75°	925.7	886.7	902.5	900.8	842.0	779.1	713.7	629.2	533.2	502.6	487.7
77.5°	722.0	682.2	695.5	695.5	652.4	606.9	554.7	489.3	421.4	388.3	377.5
80°	526.6	507.5	500.9	501.7	472.8	443.0	416.5	353.5	303.9	281.5	274.1
82.5°	346.1	330.4	323.7	325.4	308.8	290.6	274.1	230.2	197.1	183.8	179.7
85°	183.8	172.2	166.4	170.6	167.2	157.3	149.0	119.2	98.5	93.6	91.1
87.5°	58.0	50.5	46.4	61.3	52.2	46.4	44.7	35.6	27.3	27.3	26.5
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°	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4
2.5°	3544.5	3544.5	3512.2	3504.7	3501.4	3505.6	3473.3	3467.5	3513.8	3498.1	3462.5
5°	3516.3	3514.7	3469.1	3460.9	3460.9	3455.9	3419.5	3411.2	3457.5	3444.3	3405.4
7.5°	3481.6	3476.6	3422.8	3417.0	3408.7	3405.4	3364.8	3359.0	3398.8	3390.5	3354.0
10°	3439.3	3434.4	3370.6	3366.5	3357.4	3350.7	3312.6	3308.5	3349.1	3335.8	3306.9
12.5°	3383.9	3374.7	3309.3	3305.2	3297.7	3295.3	3258.0	3256.3	3301.1	3287.8	3257.2
15°	3311.0	3303.5	3230.7	3232.3	3233.2	3233.2	3203.4	3201.7	3245.6	3239.8	3206.7
17.5°	3230.7	3220.7	3151.2	3156.2	3162.0	3168.6	3145.4	3149.5	3195.9	3188.5	3158.6
20°	3139.6	3129.7	3061.8	3075.9	3088.3	3101.5	3086.6	3098.2	3141.3	3138.0	3115.6
22.5°	3037.8	3027.8	2964.9	2986.4	3007.1	3032.0	3025.3	3038.6	3084.1	3083.3	3063.4
25°	2913.6	2916.1	2860.6	2887.1	2921.9	2956.6	2959.1	2980.6	3031.1	3026.2	3008.0
27.5°	2797.7	2801.0	2742.2	2786.9	2833.3	2878.0	2888.7	2918.5	2969.9	2965.7	2950.0
30°	2676.0	2680.1	2623.0	2684.2	2740.5	2795.2	2818.4	2858.9	2911.1	2911.1	2894.5
32.5°	2549.3	2556.7	2497.1	2579.1	2644.5	2708.2	2748.8	2791.0	2850.7	2849.0	2834.9
35°	2419.3	2427.6	2372.9	2477.2	2542.7	2620.5	2671.0	2727.3	2780.3	2781.1	2770.3
37.5°	2286.8	2296.7	2247.1	2361.3	2435.8	2527.7	2592.3	2648.6	2707.4	2710.7	2700.8
40°	2155.2	2165.9	2122.9	2233.0	2327.4	2430.0	2504.6	2570.8	2635.4	2637.0	2630.4
42.5°	2023.5	2035.1	2002.8	2110.5	2217.3	2327.4	2415.1	2490.5	2556.7	2560.9	2553.4
45°	1895.2	1905.1	1881.9	1999.5	2102.2	2222.2	2323.2	2408.5	2475.6	2481.4	2478.9
47.5°	1767.7	1776.8	1756.1	1863.7	1982.1	2109.6	2226.4	2320.8	2392.0	2398.6	2396.9
50°	1642.7	1650.1	1627.8	1740.4	1857.9	1993.7	2115.4	2224.7	2304.2	2310.8	2310.0
52.5°	1518.5	1525.9	1506.9	1625.3	1732.1	1875.3	2007.8	2126.2	2204.8	2214.8	2216.4
55°	1398.4	1401.7	1386.8	1500.3	1603.7	1753.6	1906.0	2021.0	2099.7	2108.0	2112.9
57.5°	1278.4	1279.2	1266.8	1375.2	1474.6	1627.8	1787.6	1908.4	1983.0	1991.2	1998.7
60°	1159.1	1158.3	1144.2	1249.4	1344.6	1496.1	1662.5	1782.6	1854.6	1862.1	1872.0
62.5°	1040.7	1038.3	1025.8	1122.7	1212.1	1362.0	1529.2	1645.1	1713.9	1718.8	1732.1
65°	923.2	920.7	909.1	998.5	1079.7	1222.9	1386.8	1496.9	1559.0	1565.7	1563.2
67.5°	807.3	802.3	793.2	873.5	947.2	1079.7	1237.0	1342.1	1393.4	1399.2	1415.0
70°	691.3	685.5	664.8	750.1	814.7	933.1	1079.7	1173.2	1216.3	1222.1	1219.6
72.5°	577.1	571.3	548.9	627.6	682.2	785.7	916.5	994.4	1031.6	1036.6	1036.6
75°	466.1	462.8	448.8	508.4	553.9	638.4	749.3	813.9	842.9	848.7	847.0
77.5°	359.3	356.8	342.8	394.1	429.7	492.6	582.1	632.6	654.1	660.7	674.8
80°	257.5	256.7	234.3	284.8	300.5	353.5	418.9	457.9	469.5	478.6	488.5
82.5°	164.8	165.6	143.2	186.3	192.9	226.9	267.4	291.4	299.7	307.2	314.6
85°	80.3	83.6	71.2	98.5	99.4	116.7	134.1	143.2	146.5	152.3	159.0
87.5°	20.7	24.0	13.2	28.2	24.8	32.3	37.3	39.7	38.9	43.1	45.5
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4
2.5°	3474.1	3500.6	3487.3	3530.4	3547.0	3520.5	3566.8	3567.7	3534.5	3573.5	3595.0
5°	3420.3	3447.6	3439.3	3484.0	3504.7	3481.6	3537.9	3548.6	3516.3	3560.2	3595.0
7.5°	3365.6	3397.9	3387.2	3432.7	3457.5	3439.3	3499.8	3517.2	3492.3	3540.3	3586.7
10°	3318.4	3345.8	3334.2	3382.2	3403.7	3388.8	3448.4	3480.7	3457.5	3516.3	3571.8
12.5°	3272.1	3294.4	3281.2	3320.9	3341.6	3322.6	3395.4	3425.3	3408.7	3470.0	3541.2
15°	3212.5	3237.3	3219.1	3254.7	3270.4	3253.9	3313.5	3364.8	3344.1	3411.2	3489.8
17.5°	3166.9	3181.0	3156.2	3184.3	3193.4	3171.1	3231.5	3282.0	3267.1	3340.0	3431.0
20°	3116.4	3128.0	3093.2	3109.0	3108.1	3080.0	3135.5	3185.1	3175.2	3255.5	3359.0
22.5°	3060.1	3065.9	3025.3	3028.7	3027.0	2980.6	3030.3	3080.8	3076.7	3157.8	3273.7
25°	3000.5	3001.3	2949.2	2947.5	2929.3	2874.7	2918.5	2975.7	2963.3	3051.0	3172.7
27.5°	2941.7	2933.4	2870.5	2855.6	2826.6	2761.2	2800.1	2851.5	2844.0	2930.1	3065.1
30°	2878.8	2868.0	2791.0	2763.7	2721.5	2646.1	2678.4	2726.5	2730.6	2805.9	2947.5
32.5°	2819.2	2791.9	2706.6	2666.8	2613.9	2526.1	2543.5	2592.3	2599.0	2675.1	2820.8
35°	2742.2	2724.0	2618.8	2550.9	2498.8	2402.7	2420.9	2454.9	2464.8	2539.3	2687.5
37.5°	2669.3	2640.3	2528.6	2445.8	2378.7	2277.7	2282.7	2317.4	2327.4	2402.7	2549.3
40°	2594.0	2552.6	2432.5	2335.7	2258.7	2152.7	2146.9	2183.3	2190.8	2264.5	2396.9
42.5°	2513.7	2464.0	2329.0	2223.1	2134.5	2026.8	2015.2	2046.7	2055.0	2127.0	2257.0
45°	2432.5	2372.9	2223.1	2107.1	2010.3	1900.2	1888.6	1912.6	1925.0	1992.9	2117.9
47.5°	2346.4	2276.9	2113.8	1984.6	1884.4	1774.3	1760.2	1784.2	1794.2	1861.2	1979.6
50°	2256.2	2171.7	2001.2	1858.8	1759.4	1650.9	1630.2	1658.4	1667.5	1730.4	1846.3
52.5°	2156.8	2063.3	1881.1	1732.1	1632.7	1529.2	1504.4	1531.7	1542.5	1603.7	1710.6
55°	2051.7	1950.7	1760.2	1615.3	1507.7	1406.7	1386.0	1396.8	1419.9	1477.9	1577.3
57.5°	1933.3	1833.1	1632.7	1485.4	1381.9	1285.0	1267.6	1277.5	1299.1	1355.4	1444.8
60°	1807.4	1701.4	1502.7	1355.4	1255.2	1163.3	1147.5	1156.7	1179.8	1231.2	1314.0
62.5°	1683.2	1564.0	1368.6	1222.1	1131.0	1045.7	1041.6	1038.3	1059.8	1109.5	1182.3
65°	1532.5	1418.3	1228.7	1089.6	1006.8	929.8	913.2	920.7	941.4	986.9	1063.1
67.5°	1371.1	1267.6	1085.4	957.1	883.4	814.7	800.6	803.9	825.5	865.2	931.4
70°	1199.7	1108.6	938.9	823.8	761.7	697.1	688.0	688.9	709.6	744.3	802.3
72.5°	1020.0	938.1	790.7	692.2	640.8	594.5	586.2	576.3	595.3	625.1	674.8
75°	837.1	765.0	643.3	563.0	522.4	483.5	476.1	466.1	485.2	510.8	549.8
77.5°	652.4	594.5	500.1	438.0	406.5	377.5	370.9	360.2	379.2	398.2	428.9
80°	471.9	429.7	373.4	308.0	297.2	278.2	271.6	260.0	278.2	290.6	313.8
82.5°	304.7	276.5	244.2	198.7	197.1	183.0	179.7	166.4	183.0	190.4	207.8
85°	154.0	140.8	132.5	101.0	104.3	95.2	94.4	80.3	93.6	96.9	106.8
87.5°	43.9	46.4	41.4	24.8	31.5	29.8	29.8	21.5	29.8	29.8	33.9
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: P838018

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

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4	3549.4
2.5°	3552.8	3566.8	3570.1	3569.3	3578.4	3628.1	3611.5	3628.1
5°	3561.0	3592.5	3600.8	3612.4	3627.3	3683.6	3665.4	3685.2
7.5°	3566.0	3613.2	3631.4	3653.8	3677.8	3740.7	3725.8	3745.7
10°	3566.0	3627.3	3653.8	3691.0	3723.3	3796.2	3782.1	3805.3
12.5°	3551.1	3629.8	3667.0	3719.2	3760.6	3839.2	3833.4	3850.0
15°	3520.5	3617.3	3668.7	3735.7	3787.1	3874.8	3872.3	3892.2
17.5°	3479.1	3595.8	3657.9	3742.4	3806.9	3905.5	3911.3	3922.0
20°	3426.9	3555.2	3636.4	3739.9	3821.0	3929.5	3936.9	3951.8
22.5°	3358.2	3506.4	3604.1	3729.1	3822.7	3939.4	3952.7	3966.7
25°	3277.0	3447.6	3561.9	3708.4	3814.4	3938.6	3956.8	3969.2
27.5°	3184.3	3371.4	3508.0	3675.3	3791.2	3925.3	3947.7	3962.6
30°	3076.7	3290.3	3446.8	3632.2	3759.7	3900.5	3924.5	3939.4
32.5°	2965.7	3200.9	3373.9	3576.8	3714.2	3860.8	3881.5	3893.0
35°	2844.9	3092.4	3286.2	3505.6	3655.4	3797.0	3812.7	3825.2
37.5°	2713.2	2974.8	3186.0	3425.3	3572.6	3708.4	3722.5	3736.6
40°	2577.4	2851.5	3073.4	3326.7	3474.1	3599.9	3614.9	3624.8
42.5°	2440.8	2714.9	2953.3	3210.8	3357.4	3478.2	3487.3	3497.3
45°	2302.5	2573.3	2818.4	3082.5	3227.4	3340.8	3344.1	3352.4
47.5°	2161.8	2426.7	2670.2	2935.9	3079.2	3182.7	3186.0	3192.6
50°	2020.2	2280.2	2512.0	2777.8	2917.7	3027.0	3012.1	3018.7
52.5°	1881.1	2126.2	2363.0	2607.2	2745.5	2842.4	2846.5	2833.3
55°	1744.5	1975.5	2193.3	2428.4	2560.0	2635.4	2632.9	2637.9
57.5°	1606.2	1823.2	2022.7	2238.0	2366.3	2437.5	2452.4	2435.0
60°	1465.5	1669.2	1848.0	2042.6	2166.8	2226.4	2243.8	2227.2
62.5°	1325.6	1512.7	1675.0	1844.7	1959.8	2033.5	2031.8	2013.6
65°	1185.6	1355.4	1500.3	1644.3	1744.5	1818.2	1814.9	1798.3
67.5°	1056.5	1196.4	1326.4	1443.1	1530.1	1580.6	1598.0	1578.1
70°	914.1	1034.9	1149.2	1242.8	1314.8	1360.3	1376.9	1359.5
72.5°	771.7	874.3	954.6	1044.9	1100.4	1138.4	1155.8	1139.3
75°	630.9	715.4	780.8	851.1	890.1	922.3	942.2	925.7
77.5°	494.3	559.7	611.9	663.2	707.9	715.4	732.7	722.0
80°	364.3	411.5	449.6	483.5	515.8	519.1	533.2	526.6
82.5°	242.6	274.1	284.0	319.6	340.3	337.0	351.1	346.1
85°	128.3	147.4	164.8	175.5	187.1	176.4	188.8	183.8
87.5°	43.1	45.5	39.7	56.3	62.1	53.0	60.4	58.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)