

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: P838036

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6HI-50-120-EDD-90**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838036
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-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

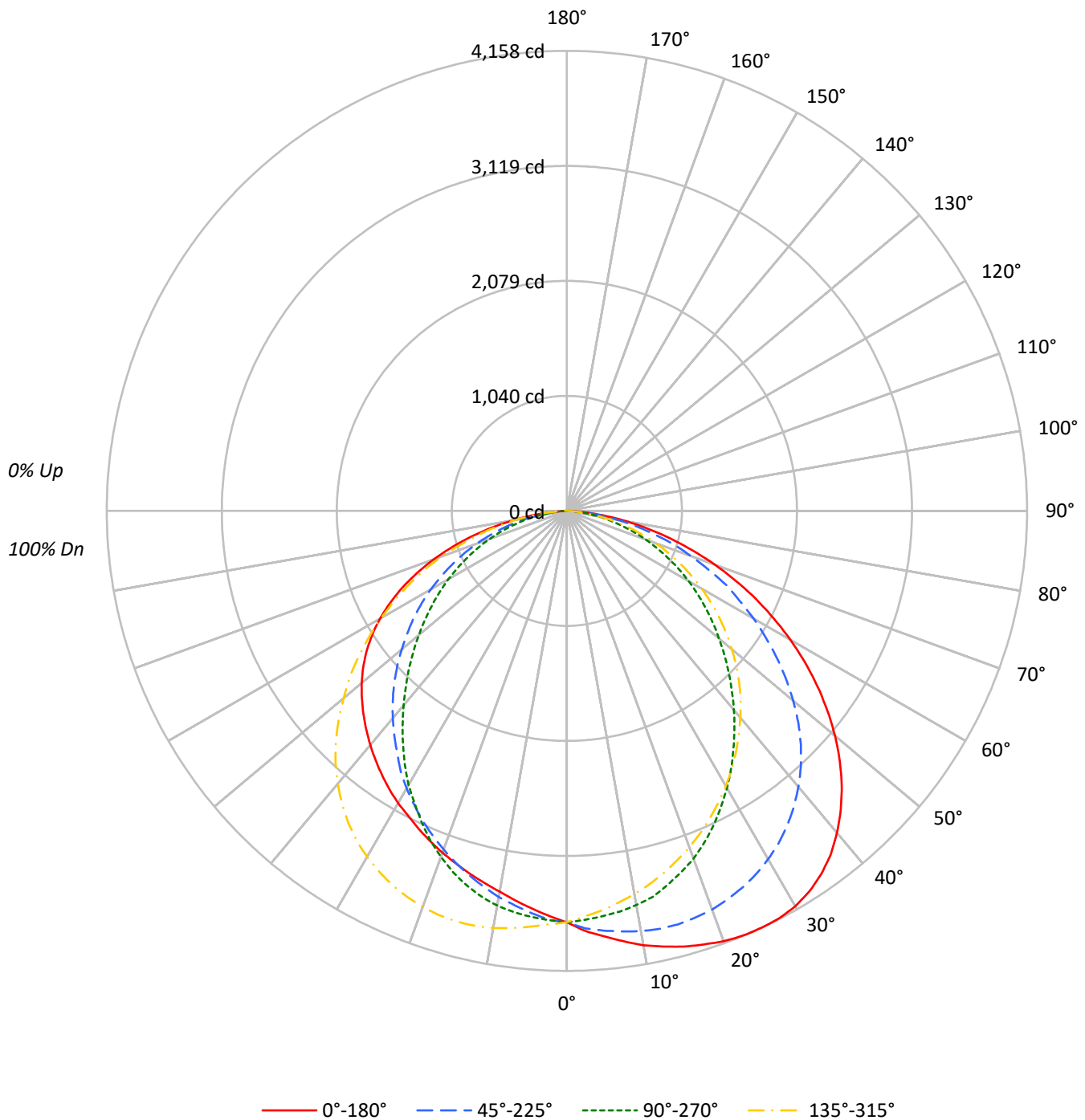
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10909.5 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): 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



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
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°	10006	10006	10006	10006
5°	10429	9934	9747	9951
10°	10893	9883	9549	9898
15°	11360	9758	9456	9760
20°	11856	9580	9414	9526
25°	12346	9313	9413	9217
30°	12824	8988	9476	8889
35°	13164	8619	9571	8483
40°	13340	8248	9705	8062
45°	13365	7873	9893	7675
50°	13240	7513	10135	7313
55°	12965	7179	10361	6979
60°	12558	6830	10499	6652
65°	11996	6429	10444	6280
70°	11205	5958	10073	5848
75°	10082	5312	9244	5285
80°	8550	4449	7769	4516
85°	5947	2946	4928	3026

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.0	3.2
10°-20°	1022.3	9.4
20°-30°	1566.8	14.4
30°-40°	1905.1	17.5
40°-50°	1980.5	18.2
50°-60°	1788.9	16.4
60°-70°	1360.1	12.5
70°-80°	758.2	7.0
80°-90°	174.6	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°	2942.1	27.0
0°-40°	4847.2	44.4
0°-60°	8616.6	79.0
0°-90°	10909.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10909.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3718	3718	3718	3718	3718	
5°	3861	3678	3608	3684	3861	372
15°	4078	3502	3394	3503	4078	1156
25°	4158	3136	3170	3104	4158	1921
35°	4007	2624	2914	2582	4007	2503
45°	3512	2069	2600	2017	3512	2704
55°	2764	1530	2208	1488	2764	2467
65°	1884	1010	1640	986	1884	1862
75°	970	511	889	508	970	1030
85°	193	95	160	98	193	242
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°	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5
2.5°	3800.9	3745.4	3746.2	3794.8	3757.5	3775.7	3723.7	3743.6	3737.5	3741.9	3699.4
5°	3860.7	3800.9	3800.0	3841.6	3800.0	3807.8	3741.9	3754.9	3735.8	3723.7	3677.7
7.5°	3924.0	3864.2	3858.1	3894.5	3839.9	3833.8	3761.0	3761.0	3726.3	3695.9	3652.5
10°	3986.5	3924.9	3917.1	3944.9	3877.2	3857.2	3768.8	3754.9	3708.9	3663.8	3617.0
12.5°	4033.3	3970.9	3964.8	3982.1	3905.8	3869.4	3768.8	3741.9	3674.2	3610.9	3574.5
15°	4077.6	4013.4	3996.9	4005.6	3918.0	3869.4	3756.6	3715.0	3628.3	3545.0	3502.5
17.5°	4108.8	4047.2	4030.7	4029.9	3924.0	3854.6	3730.6	3673.4	3569.3	3468.7	3426.2
20°	4140.0	4078.4	4057.6	4042.0	3922.3	3834.7	3692.4	3615.2	3493.8	3381.1	3345.5
22.5°	4155.6	4092.3	4069.8	4046.3	3911.0	3798.3	3645.6	3547.6	3408.8	3274.4	3244.9
25°	4158.2	4093.2	4068.9	4035.1	3888.5	3754.9	3584.9	3466.1	3310.8	3161.6	3136.5
27.5°	4151.3	4080.2	4055.9	4015.1	3854.6	3702.0	3512.9	3373.2	3206.7	3041.9	3015.0
30°	4127.0	4055.0	4031.6	3978.7	3806.9	3636.9	3434.0	3270.0	3091.3	2916.1	2892.7
32.5°	4078.4	4008.2	3989.1	3936.2	3754.9	3561.5	3342.0	3159.0	2963.8	2796.4	2761.7
35°	4007.3	3937.0	3924.9	3869.4	3682.0	3471.3	3241.4	3037.6	2828.5	2657.7	2623.8
37.5°	3914.5	3855.5	3837.3	3782.7	3596.2	3368.9	3126.0	2905.7	2690.6	2506.7	2485.9
40°	3797.4	3741.9	3728.0	3679.4	3496.4	3255.3	3001.1	2769.6	2548.4	2377.5	2348.0
42.5°	3663.8	3611.8	3604.0	3553.7	3373.2	3129.5	2865.8	2628.2	2400.0	2235.2	2205.8
45°	3512.0	3461.7	3460.0	3412.3	3238.8	2989.9	2723.6	2485.0	2255.2	2084.3	2068.7
47.5°	3344.6	3299.5	3299.5	3255.3	3088.7	2836.3	2577.0	2335.9	2109.5	1958.5	1930.8
50°	3162.5	3120.0	3107.0	3085.3	2923.1	2668.9	2422.6	2190.1	1965.5	1821.5	1794.6
52.5°	2968.2	2931.8	2940.4	2900.5	2743.5	2494.6	2266.5	2026.2	1820.6	1689.7	1662.8
55°	2763.5	2711.4	2719.2	2704.5	2556.2	2315.0	2091.3	1890.9	1678.4	1555.2	1530.1
57.5°	2551.0	2483.3	2511.1	2502.4	2356.7	2131.2	1930.8	1737.4	1537.0	1423.4	1399.1
60°	2333.3	2268.2	2296.8	2289.0	2152.0	1947.3	1765.1	1585.6	1396.5	1293.3	1269.0
62.5°	2109.5	2049.6	2075.6	2069.6	1943.8	1759.1	1600.3	1435.5	1255.1	1162.3	1139.7
65°	1884.0	1826.7	1850.1	1845.8	1729.6	1589.0	1431.2	1280.3	1112.9	1032.2	1009.6
67.5°	1653.2	1600.3	1622.0	1622.0	1515.3	1380.9	1261.2	1123.3	973.2	903.8	883.0
70°	1424.2	1374.8	1393.9	1392.1	1301.9	1192.6	1089.4	966.3	831.8	774.6	757.2
72.5°	1193.5	1150.1	1167.5	1165.8	1090.3	1020.0	917.7	811.0	693.9	647.9	632.3
75°	969.7	929.0	945.4	943.7	882.1	816.2	747.7	659.2	558.6	526.5	510.9
77.5°	756.4	714.7	728.6	728.6	683.5	635.8	581.1	512.6	441.5	406.8	395.5
80°	551.7	531.7	524.8	525.6	495.3	464.0	436.3	370.4	318.3	294.9	287.1
82.5°	362.6	346.1	339.1	340.9	323.5	304.5	287.1	241.1	206.4	192.6	188.2
85°	192.6	180.4	174.3	178.7	175.2	164.8	156.1	124.9	103.2	98.0	95.4
87.5°	60.7	52.9	48.6	64.2	54.6	48.6	46.8	37.3	28.6	28.6	27.8
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°	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5
2.5°	3713.3	3713.3	3679.4	3671.6	3668.2	3672.5	3638.7	3632.6	3681.2	3664.7	3627.4
5°	3683.8	3682.0	3634.3	3625.7	3625.7	3620.5	3582.3	3573.6	3622.2	3608.3	3567.5
7.5°	3647.3	3642.1	3585.8	3579.7	3571.0	3567.5	3525.0	3519.0	3560.6	3551.9	3513.8
10°	3603.1	3597.9	3531.1	3526.8	3517.2	3510.3	3470.4	3466.1	3508.6	3494.7	3464.3
12.5°	3545.0	3535.4	3466.9	3462.6	3454.8	3452.2	3413.1	3411.4	3458.3	3444.4	3412.3
15°	3468.7	3460.9	3384.5	3386.3	3387.1	3387.1	3355.9	3354.2	3400.1	3394.1	3359.4
17.5°	3384.5	3374.1	3301.3	3306.5	3312.5	3319.5	3295.2	3299.5	3348.1	3340.3	3309.1
20°	3289.1	3278.7	3207.6	3222.3	3235.3	3249.2	3233.6	3245.7	3290.8	3287.4	3264.0
22.5°	3182.4	3172.0	3106.1	3128.6	3150.3	3176.4	3169.4	3183.3	3231.0	3230.1	3209.3
25°	3052.3	3054.9	2996.8	3024.6	3061.0	3097.4	3100.0	3122.6	3175.5	3170.3	3151.2
27.5°	2930.9	2934.4	2872.8	2919.6	2968.2	3015.0	3026.3	3057.5	3111.3	3107.0	3090.5
30°	2803.4	2807.7	2747.9	2812.1	2871.0	2928.3	2952.6	2995.1	3049.7	3049.7	3032.4
32.5°	2670.7	2678.5	2616.0	2701.9	2770.4	2837.2	2879.7	2923.9	2986.4	2984.7	2969.9
35°	2534.5	2543.2	2485.9	2595.2	2663.7	2745.3	2798.2	2857.2	2912.7	2913.5	2902.3
37.5°	2395.7	2406.1	2354.1	2473.8	2551.8	2648.1	2715.8	2774.8	2836.3	2839.8	2829.4
40°	2257.8	2269.1	2224.0	2339.3	2438.2	2545.8	2623.8	2693.2	2760.9	2762.6	2755.7
42.5°	2119.9	2132.0	2098.2	2211.0	2322.8	2438.2	2530.2	2609.1	2678.5	2682.8	2675.0
45°	1985.4	1995.8	1971.6	2094.7	2202.3	2328.1	2433.9	2523.2	2593.5	2599.5	2596.9
47.5°	1851.9	1861.4	1839.7	1952.5	2076.5	2210.1	2332.4	2431.3	2505.9	2512.8	2511.1
50°	1720.9	1728.7	1705.3	1823.2	1946.4	2088.7	2216.2	2330.7	2413.9	2420.9	2420.0
52.5°	1590.8	1598.6	1578.6	1702.7	1814.6	1964.6	2103.4	2227.4	2309.8	2320.2	2322.0
55°	1465.0	1468.5	1452.9	1571.7	1680.1	1837.1	1996.7	2117.3	2199.7	2208.4	2213.6
57.5°	1339.2	1340.1	1327.1	1440.7	1544.8	1705.3	1872.7	1999.3	2077.4	2086.1	2093.9
60°	1214.3	1213.5	1198.7	1308.9	1408.6	1567.4	1741.7	1867.5	1942.9	1950.7	1961.2
62.5°	1090.3	1087.7	1074.7	1176.2	1269.8	1426.8	1602.1	1723.5	1795.5	1800.7	1814.6
65°	967.1	964.5	952.4	1046.1	1131.1	1281.1	1452.9	1568.2	1633.3	1640.2	1637.6
67.5°	845.7	840.5	831.0	915.1	992.3	1131.1	1295.9	1406.0	1459.8	1465.9	1482.4
70°	724.3	718.2	696.5	785.8	853.5	977.5	1131.1	1229.1	1274.2	1280.3	1277.7
72.5°	604.6	598.5	575.1	657.5	714.7	823.1	960.2	1041.7	1080.8	1086.0	1086.0
75°	488.3	484.9	470.1	532.6	580.3	668.8	785.0	852.6	883.0	889.1	887.3
77.5°	376.4	373.8	359.1	412.9	450.2	516.1	609.8	662.7	685.2	692.2	706.9
80°	269.8	268.9	245.5	298.4	314.9	370.4	438.9	479.7	491.8	501.3	511.8
82.5°	172.6	173.5	150.1	195.2	202.1	237.7	280.2	305.3	314.0	321.8	329.6
85°	84.1	87.6	74.6	103.2	104.1	122.3	140.5	150.1	153.5	159.6	166.5
87.5°	21.7	25.2	13.9	29.5	26.0	33.8	39.0	41.6	40.8	45.1	47.7
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°	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5
2.5°	3639.5	3667.3	3653.4	3698.5	3715.9	3688.1	3736.7	3737.5	3702.9	3743.6	3766.2
5°	3583.2	3611.8	3603.1	3649.9	3671.6	3647.3	3706.3	3717.6	3683.8	3729.7	3766.2
7.5°	3525.9	3559.7	3548.5	3596.2	3622.2	3603.1	3666.4	3684.6	3658.6	3708.9	3757.5
10°	3476.5	3505.1	3492.9	3543.3	3565.8	3550.2	3612.6	3646.5	3622.2	3683.8	3741.9
12.5°	3427.9	3451.3	3437.4	3479.1	3500.8	3480.8	3557.1	3588.4	3571.0	3635.2	3709.8
15°	3365.4	3391.5	3372.4	3409.7	3426.2	3408.8	3471.3	3525.0	3503.4	3573.6	3656.0
17.5°	3317.7	3332.5	3306.5	3336.0	3345.5	3322.1	3385.4	3438.3	3422.7	3499.0	3594.4
20°	3264.8	3277.0	3240.5	3257.0	3256.2	3226.7	3284.8	3336.8	3326.4	3410.5	3519.0
22.5°	3205.8	3211.9	3169.4	3172.9	3171.1	3122.6	3174.6	3227.5	3223.2	3308.2	3429.6
25°	3143.4	3144.3	3089.6	3087.9	3068.8	3011.5	3057.5	3117.4	3104.4	3196.3	3323.8
27.5°	3081.8	3073.1	3007.2	2991.6	2961.2	2892.7	2933.5	2987.3	2979.5	3069.7	3211.0
30°	3015.9	3004.6	2923.9	2895.3	2851.1	2772.2	2806.0	2856.3	2860.6	2939.6	3087.9
32.5°	2953.4	2924.8	2835.5	2793.8	2738.3	2646.4	2664.6	2715.8	2722.7	2802.5	2955.2
35°	2872.8	2853.7	2743.5	2672.4	2617.8	2517.1	2536.2	2571.8	2582.2	2660.3	2815.5
37.5°	2796.4	2766.1	2649.0	2562.2	2492.0	2386.2	2391.4	2427.8	2438.2	2517.1	2670.7
40°	2717.5	2674.1	2548.4	2446.9	2366.2	2255.2	2249.1	2287.3	2295.1	2372.3	2511.1
42.5°	2633.4	2581.3	2439.9	2328.9	2236.1	2123.4	2111.2	2144.2	2152.8	2228.3	2364.5
45°	2548.4	2485.9	2328.9	2207.5	2106.0	1990.6	1978.5	2003.7	2016.7	2087.8	2218.8
47.5°	2458.2	2385.3	2214.4	2079.1	1974.2	1858.8	1844.1	1869.2	1879.6	1949.9	2073.9
50°	2363.6	2275.1	2096.5	1947.3	1843.2	1729.6	1707.9	1737.4	1746.9	1812.8	1934.3
52.5°	2259.5	2161.5	1970.7	1814.6	1710.5	1602.1	1576.0	1604.7	1615.9	1680.1	1792.0
55°	2149.4	2043.6	1844.1	1692.3	1579.5	1473.7	1452.0	1463.3	1487.6	1548.3	1652.4
57.5°	2025.3	1920.4	1710.5	1556.1	1447.7	1346.2	1328.0	1338.4	1360.9	1419.9	1513.6
60°	1893.5	1782.5	1574.3	1419.9	1315.0	1218.7	1202.2	1211.7	1236.0	1289.8	1376.5
62.5°	1763.4	1638.5	1433.8	1280.3	1184.8	1095.5	1091.2	1087.7	1110.2	1162.3	1238.6
65°	1605.5	1485.8	1287.2	1141.5	1054.7	974.1	956.7	964.5	986.2	1033.9	1113.7
67.5°	1436.4	1328.0	1137.1	1002.7	925.5	853.5	838.8	842.2	864.8	906.4	975.8
70°	1256.8	1161.4	983.6	863.0	798.0	730.3	720.8	721.7	743.3	779.8	840.5
72.5°	1068.6	982.7	828.3	725.1	671.4	622.8	614.1	603.7	623.6	654.9	706.9
75°	876.9	801.5	674.0	589.8	547.3	506.6	498.7	488.3	508.3	535.2	575.9
77.5°	683.5	622.8	523.9	458.8	425.9	395.5	388.6	377.3	397.3	417.2	449.3
80°	494.4	450.2	391.2	322.7	311.4	291.4	284.5	272.4	291.4	304.5	328.7
82.5°	319.2	289.7	255.9	208.2	206.4	191.7	188.2	174.3	191.7	199.5	217.7
85°	161.3	147.5	138.8	105.8	109.3	99.7	98.9	84.1	98.0	101.5	111.9
87.5°	46.0	48.6	43.4	26.0	33.0	31.2	31.2	22.6	31.2	31.2	35.6
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: P838036

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-6HI-50-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5	3718.5
2.5°	3721.9	3736.7	3740.2	3739.3	3748.8	3800.9	3783.5	3800.9
5°	3730.6	3763.6	3772.2	3784.4	3800.0	3859.0	3839.9	3860.7
7.5°	3735.8	3785.3	3804.3	3827.8	3852.9	3918.8	3903.2	3924.0
10°	3735.8	3800.0	3827.8	3866.8	3900.6	3976.9	3962.2	3986.5
12.5°	3720.2	3802.6	3841.6	3896.3	3939.6	4022.0	4016.0	4033.3
15°	3688.1	3789.6	3843.4	3913.6	3967.4	4059.3	4056.7	4077.6
17.5°	3644.7	3767.0	3832.1	3920.6	3988.2	4091.4	4097.5	4108.8
20°	3590.1	3724.5	3809.5	3918.0	4003.0	4116.6	4124.4	4140.0
22.5°	3518.1	3673.4	3775.7	3906.7	4004.7	4127.0	4140.9	4155.6
25°	3433.1	3611.8	3731.5	3885.0	3996.0	4126.1	4145.2	4158.2
27.5°	3336.0	3532.0	3675.1	3850.3	3971.7	4112.3	4135.7	4151.3
30°	3223.2	3447.0	3610.9	3805.2	3938.8	4086.2	4111.4	4127.0
32.5°	3107.0	3353.3	3534.6	3747.1	3891.1	4044.6	4066.3	4078.4
35°	2980.3	3239.7	3442.6	3672.5	3829.5	3977.8	3994.3	4007.3
37.5°	2842.4	3116.5	3337.7	3588.4	3742.8	3885.0	3899.7	3914.5
40°	2700.2	2987.3	3219.7	3485.1	3639.5	3771.4	3787.0	3797.4
42.5°	2557.0	2844.1	3094.0	3363.7	3517.2	3643.9	3653.4	3663.8
45°	2412.2	2695.8	2952.6	3229.3	3381.1	3499.9	3503.4	3512.0
47.5°	2264.7	2542.3	2797.3	3075.7	3225.8	3334.2	3337.7	3344.6
50°	2116.4	2388.8	2631.6	2910.1	3056.7	3171.1	3155.5	3162.5
52.5°	1970.7	2227.4	2475.5	2731.4	2876.2	2977.7	2982.1	2968.2
55°	1827.6	2069.6	2297.7	2544.0	2681.9	2760.9	2758.3	2763.5
57.5°	1682.7	1910.0	2119.0	2344.5	2479.0	2553.6	2569.2	2551.0
60°	1535.3	1748.6	1936.0	2139.8	2269.9	2332.4	2350.6	2333.3
62.5°	1388.7	1584.7	1754.7	1932.5	2053.1	2130.3	2128.6	2109.5
65°	1242.1	1419.9	1571.7	1722.6	1827.6	1904.8	1901.3	1884.0
67.5°	1106.8	1253.4	1389.5	1511.8	1602.9	1655.8	1674.0	1653.2
70°	957.6	1084.2	1203.9	1301.9	1377.4	1425.1	1442.5	1424.2
72.5°	808.4	916.0	1000.1	1094.6	1152.8	1192.6	1210.9	1193.5
75°	660.9	749.4	817.9	891.7	932.4	966.3	987.1	969.7
77.5°	517.8	586.4	641.0	694.8	741.6	749.4	767.6	756.4
80°	381.6	431.1	471.0	506.6	540.4	543.8	558.6	551.7
82.5°	254.1	287.1	297.5	334.8	356.5	353.0	367.8	362.6
85°	134.4	154.4	172.6	183.9	196.0	184.8	197.8	192.6
87.5°	45.1	47.7	41.6	59.0	65.1	55.5	63.3	60.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)