

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: P837793

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-3HI-30-120-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: P837793
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-12-4-INS-ASY2R-LD4-3HI-30-120-EDD-90
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

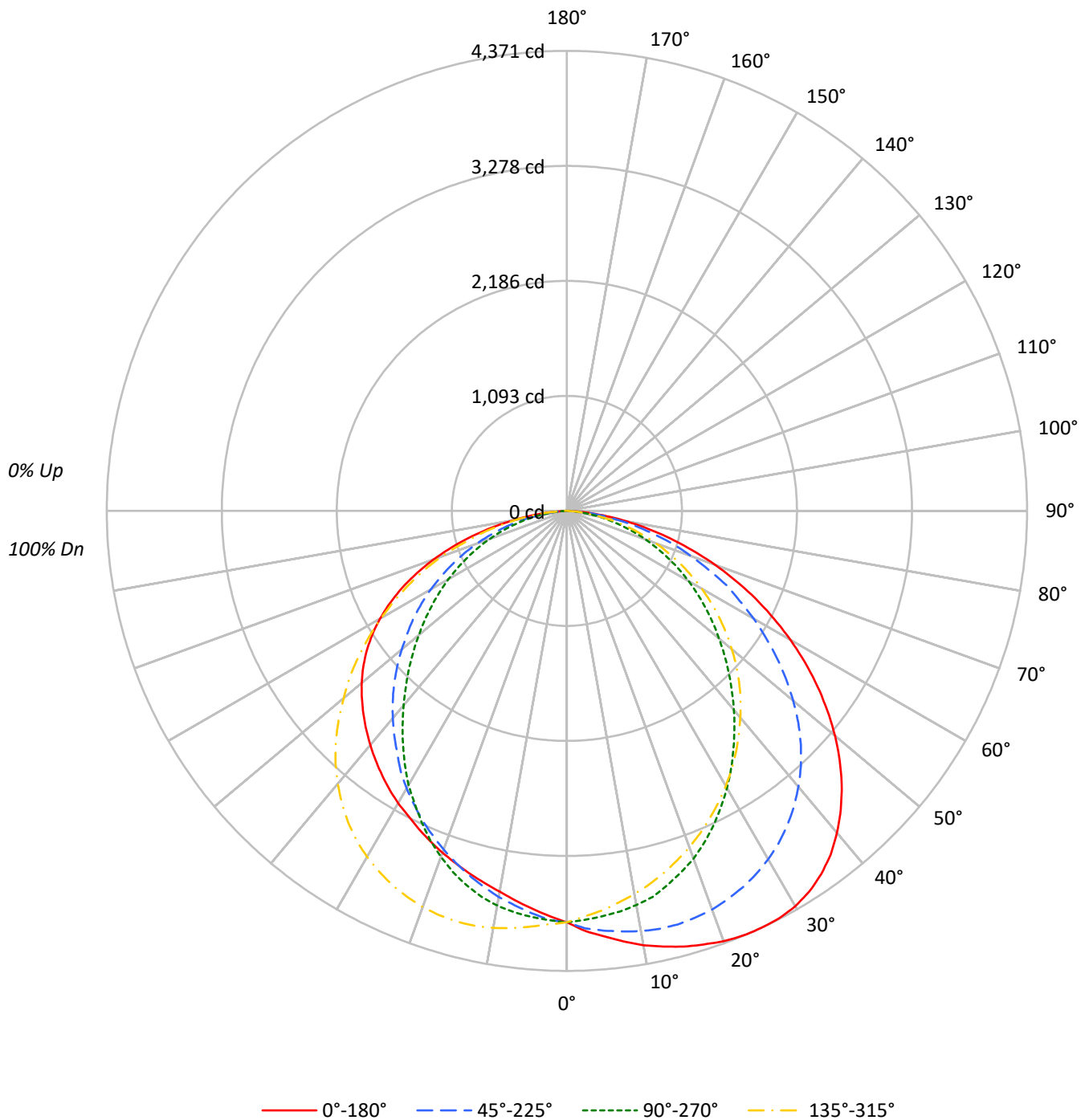
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11468.4 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' 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
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°	10519	10519	10519	10519
5°	10963	10443	10246	10461
10°	11451	10390	10038	10405
15°	11942	10257	9940	10260
20°	12463	10071	9896	10014
25°	12979	9790	9895	9690
30°	13481	9449	9962	9344
35°	13839	9061	10062	8917
40°	14023	8671	10202	8475
45°	14050	8276	10400	8068
50°	13918	7898	10654	7688
55°	13630	7546	10891	7337
60°	13201	7180	11037	6993
65°	12611	6758	10979	6601
70°	11780	6263	10589	6148
75°	10599	5584	9717	5555
80°	8987	4677	8167	4748
85°	6249	3097	5181	3180

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.1	3.2
10°-20°	1074.7	9.4
20°-30°	1647.0	14.4
30°-40°	2002.7	17.5
40°-50°	2081.9	18.2
50°-60°	1880.6	16.4
60°-70°	1429.7	12.5
70°-80°	797.1	7.0
80°-90°	183.5	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°	3092.9	27.0
0°-40°	5095.6	44.4
0°-60°	9058.0	79.0
0°-90°	11468.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11468.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3909	3909	3909	3909	3909	
5°	4058	3866	3793	3872	4058	391
15°	4286	3682	3568	3683	4286	1215
25°	4371	3297	3333	3263	4371	2019
35°	4213	2758	3063	2714	4213	2631
45°	3692	2175	2733	2120	3692	2842
55°	2905	1608	2322	1564	2905	2593
65°	1980	1061	1724	1037	1980	1957
75°	1019	537	935	534	1019	1083
85°	202	100	168	103	202	255
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°	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0
2.5°	3995.6	3937.2	3938.1	3989.2	3950.0	3969.1	3914.4	3935.4	3929.0	3933.6	3888.9
5°	4058.5	3995.6	3994.7	4038.4	3994.7	4002.9	3933.6	3947.3	3927.2	3914.4	3866.1
7.5°	4125.1	4062.2	4055.8	4094.1	4036.6	4030.2	3953.6	3953.6	3917.2	3885.3	3839.7
10°	4190.7	4126.0	4117.8	4147.0	4075.8	4054.9	3961.9	3947.3	3898.9	3851.5	3802.3
12.5°	4240.0	4174.3	4167.9	4186.2	4105.9	4067.6	3961.9	3933.6	3862.5	3795.9	3757.6
15°	4286.5	4219.0	4201.7	4210.8	4118.7	4067.6	3949.1	3905.3	3814.1	3726.6	3681.9
17.5°	4319.3	4254.5	4237.2	4236.3	4125.1	4052.1	3921.7	3861.6	3752.1	3646.4	3601.7
20°	4352.1	4287.4	4265.5	4249.1	4123.2	4031.1	3881.6	3800.5	3672.8	3554.3	3516.9
22.5°	4368.5	4302.0	4278.3	4253.6	4111.4	3992.9	3832.4	3729.3	3583.4	3442.1	3411.1
25°	4371.3	4302.9	4277.3	4241.8	4087.7	3947.3	3768.5	3643.6	3480.4	3323.6	3297.1
27.5°	4364.0	4289.2	4263.7	4220.8	4052.1	3891.6	3692.9	3546.1	3371.0	3197.7	3169.5
30°	4338.4	4262.8	4238.1	4182.5	4002.0	3823.3	3609.9	3437.6	3249.7	3065.5	3040.9
32.5°	4287.4	4213.5	4193.5	4137.8	3947.3	3743.9	3513.2	3320.8	3115.7	2939.7	2903.2
35°	4212.6	4138.7	4126.0	4067.6	3870.7	3649.1	3407.5	3193.2	2973.4	2793.8	2758.3
37.5°	4115.0	4053.0	4033.9	3976.4	3780.4	3541.5	3286.2	3054.6	2828.5	2635.2	2613.3
40°	3991.9	3933.6	3919.0	3867.9	3675.5	3422.1	3154.9	2911.4	2678.9	2499.3	2468.3
42.5°	3851.5	3796.8	3788.6	3735.7	3546.1	3289.8	3012.6	2762.8	2523.0	2349.8	2318.8
45°	3692.0	3639.1	3637.2	3587.1	3404.7	3143.0	2863.1	2612.4	2370.7	2191.1	2174.7
47.5°	3516.0	3468.6	3468.6	3422.1	3247.0	2981.6	2709.0	2455.5	2217.5	2058.9	2029.7
50°	3324.5	3279.8	3266.1	3243.3	3072.8	2805.7	2546.7	2302.3	2066.2	1914.8	1886.6
52.5°	3120.2	3081.9	3091.1	3049.1	2884.1	2622.4	2382.6	2130.0	1913.9	1776.2	1748.0
55°	2905.1	2850.3	2858.6	2843.0	2687.1	2433.6	2198.4	1987.8	1764.4	1634.9	1608.4
57.5°	2681.7	2610.5	2639.7	2630.6	2477.4	2240.3	2029.7	1826.4	1615.7	1496.3	1470.8
60°	2452.8	2384.4	2414.5	2406.3	2262.2	2047.0	1855.6	1666.8	1468.0	1359.5	1334.0
62.5°	2217.5	2154.6	2182.0	2175.6	2043.4	1849.2	1682.3	1509.1	1319.4	1221.8	1198.1
65°	1980.5	1920.3	1944.9	1940.3	1818.2	1670.5	1504.5	1345.8	1169.9	1085.1	1061.4
67.5°	1737.9	1682.3	1705.1	1705.1	1592.9	1451.6	1325.8	1180.8	1023.1	950.1	928.2
70°	1497.2	1445.2	1465.3	1463.5	1368.6	1253.8	1145.2	1015.8	874.4	814.3	796.0
72.5°	1254.7	1209.1	1227.3	1225.5	1146.2	1072.3	964.7	852.6	729.5	681.1	664.7
75°	1019.4	976.6	993.9	992.1	927.3	858.0	786.0	693.0	587.2	553.5	537.1
77.5°	795.1	751.3	765.9	765.9	718.5	668.4	610.9	538.9	464.1	427.6	415.8
80°	579.9	558.9	551.7	552.6	520.6	487.8	458.6	389.3	334.6	310.0	301.8
82.5°	381.1	363.8	356.5	358.3	340.1	320.0	301.8	253.5	217.0	202.4	197.9
85°	202.4	189.7	183.3	187.8	184.2	173.2	164.1	131.3	108.5	103.0	100.3
87.5°	63.8	55.6	51.1	67.5	57.4	51.1	49.2	39.2	30.1	30.1	29.2
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°	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0
2.5°	3903.5	3903.5	3867.9	3859.7	3856.1	3860.6	3825.1	3818.7	3869.8	3852.4	3813.2
5°	3872.5	3870.7	3820.5	3811.4	3811.4	3805.9	3765.8	3756.7	3807.8	3793.2	3750.3
7.5°	3834.2	3828.7	3769.5	3763.1	3754.0	3750.3	3705.6	3699.2	3743.0	3733.9	3693.8
10°	3787.7	3782.2	3712.0	3707.5	3697.4	3690.1	3648.2	3643.6	3688.3	3673.7	3641.8
12.5°	3726.6	3716.6	3644.5	3640.0	3631.8	3629.0	3588.0	3586.2	3635.4	3620.8	3587.1
15°	3646.4	3638.2	3557.9	3559.7	3560.7	3560.7	3527.8	3526.0	3574.3	3567.9	3531.5
17.5°	3557.9	3547.0	3470.4	3475.9	3482.2	3489.5	3464.0	3468.6	3519.6	3511.4	3478.6
20°	3457.6	3446.7	3371.9	3387.4	3401.1	3415.7	3399.3	3412.0	3459.4	3455.8	3431.2
22.5°	3345.5	3334.5	3265.2	3288.9	3311.7	3339.1	3331.8	3346.4	3396.5	3395.6	3373.7
25°	3208.7	3211.4	3150.3	3179.5	3217.8	3256.1	3258.8	3282.5	3338.2	3332.7	3312.6
27.5°	3081.0	3084.7	3019.9	3069.2	3120.2	3169.5	3181.3	3214.2	3270.7	3266.1	3248.8
30°	2947.0	2951.6	2888.6	2956.1	3018.1	3078.3	3103.8	3148.5	3206.0	3206.0	3187.7
32.5°	2807.5	2815.7	2750.0	2840.3	2912.3	2982.6	3027.2	3073.7	3139.4	3137.6	3122.1
35°	2664.3	2673.5	2613.3	2728.2	2800.2	2885.9	2941.5	3003.5	3061.9	3062.8	3050.9
37.5°	2518.4	2529.4	2474.7	2600.5	2682.6	2783.8	2854.9	2916.9	2981.6	2985.3	2974.4
40°	2373.5	2385.3	2337.9	2459.2	2563.1	2676.2	2758.3	2831.2	2902.3	2904.1	2896.8
42.5°	2228.5	2241.2	2205.7	2324.2	2441.8	2563.1	2659.8	2742.7	2815.7	2820.3	2812.0
45°	2087.2	2098.1	2072.6	2202.0	2315.1	2447.3	2558.6	2652.5	2726.3	2732.7	2730.0
47.5°	1946.7	1956.8	1934.0	2052.5	2182.9	2323.3	2451.9	2555.8	2634.2	2641.5	2639.7
50°	1809.0	1817.3	1792.6	1916.6	2046.1	2195.7	2329.7	2450.1	2537.6	2544.9	2544.0
52.5°	1672.3	1680.5	1659.5	1789.9	1907.5	2065.3	2211.2	2341.5	2428.2	2439.1	2440.9
55°	1540.1	1543.7	1527.3	1652.2	1766.2	1931.2	2099.0	2225.7	2312.4	2321.5	2327.0
57.5°	1407.8	1408.8	1395.1	1514.5	1623.9	1792.6	1968.6	2101.7	2183.8	2192.9	2201.1
60°	1276.5	1275.6	1260.1	1375.9	1480.8	1647.7	1830.9	1963.1	2042.5	2050.7	2061.6
62.5°	1146.2	1143.4	1129.7	1236.4	1334.9	1499.9	1684.1	1811.8	1887.5	1892.9	1907.5
65°	1016.7	1013.9	1001.2	1099.7	1189.0	1346.8	1527.3	1648.6	1717.0	1724.2	1721.5
67.5°	889.0	883.6	873.5	962.0	1043.1	1189.0	1362.3	1478.1	1534.6	1541.0	1558.3
70°	761.4	755.0	732.2	826.1	897.2	1027.6	1189.0	1292.0	1339.5	1345.8	1343.1
72.5°	635.5	629.2	604.5	691.2	751.3	865.3	1009.4	1095.1	1136.1	1141.6	1141.6
75°	513.4	509.7	494.2	559.9	610.0	703.0	825.2	896.3	928.2	934.6	932.8
77.5°	395.7	393.0	377.5	434.0	473.2	542.5	641.0	696.6	720.3	727.6	743.1
80°	283.6	282.7	258.0	313.7	331.0	389.3	461.4	504.2	517.0	527.0	538.0
82.5°	181.5	182.4	157.7	205.2	212.5	249.8	294.5	321.0	330.1	338.3	346.5
85°	88.4	92.1	78.4	108.5	109.4	128.6	147.7	157.7	161.4	167.8	175.1
87.5°	22.8	26.4	14.6	31.0	27.4	35.6	41.0	43.8	42.9	47.4	50.2
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0
2.5°	3826.0	3855.2	3840.6	3888.0	3906.2	3877.1	3928.1	3929.0	3892.6	3935.4	3959.1
5°	3766.7	3796.8	3787.7	3836.9	3859.7	3834.2	3896.2	3908.1	3872.5	3920.8	3959.1
7.5°	3706.5	3742.1	3730.2	3780.4	3807.8	3787.7	3854.3	3873.4	3846.1	3898.9	3950.0
10°	3654.6	3684.7	3671.9	3724.8	3748.5	3732.1	3797.7	3833.3	3807.8	3872.5	3933.6
12.5°	3603.5	3628.1	3613.5	3657.3	3680.1	3659.1	3739.4	3772.2	3754.0	3821.4	3899.8
15°	3537.9	3565.2	3545.1	3584.4	3601.7	3583.4	3649.1	3705.6	3682.8	3756.7	3843.3
17.5°	3487.7	3503.2	3475.9	3506.9	3516.9	3492.3	3558.8	3614.4	3598.0	3678.3	3778.6
20°	3432.1	3444.8	3406.6	3423.9	3423.0	3392.0	3453.1	3507.8	3496.8	3585.3	3699.2
22.5°	3370.1	3376.5	3331.8	3335.4	3333.6	3282.5	3337.3	3392.9	3388.3	3477.7	3605.3
25°	3304.4	3305.3	3247.9	3246.1	3226.0	3165.8	3214.2	3277.1	3263.4	3360.1	3494.1
27.5°	3239.7	3230.6	3161.3	3144.9	3112.9	3040.9	3083.8	3140.3	3132.1	3226.9	3375.6
30°	3170.4	3158.5	3073.7	3043.6	2997.1	2914.2	2949.7	3002.6	3007.2	3090.2	3246.1
32.5°	3104.7	3074.7	2980.7	2937.0	2878.6	2782.0	2801.1	2854.9	2862.2	2946.1	3106.6
35°	3019.9	2999.9	2884.1	2809.3	2751.9	2646.1	2666.2	2703.5	2714.5	2796.5	2959.8
37.5°	2939.7	2907.8	2784.7	2693.5	2619.7	2508.4	2513.9	2552.2	2563.1	2646.1	2807.5
40°	2856.7	2811.1	2678.9	2572.2	2487.4	2370.7	2364.3	2404.5	2412.7	2493.8	2639.7
42.5°	2768.3	2713.6	2564.9	2448.2	2350.7	2232.1	2219.4	2254.0	2263.1	2342.5	2485.6
45°	2678.9	2613.3	2448.2	2320.6	2213.9	2092.6	2079.9	2106.3	2120.0	2194.7	2332.4
47.5°	2584.1	2507.5	2327.9	2185.6	2075.3	1954.0	1938.5	1965.0	1975.9	2049.8	2180.2
50°	2484.7	2391.7	2203.9	2047.0	1937.6	1818.2	1795.4	1826.4	1836.4	1905.7	2033.4
52.5°	2375.3	2272.3	2071.7	1907.5	1798.1	1684.1	1656.8	1686.9	1698.7	1766.2	1883.8
55°	2259.5	2148.2	1938.5	1779.0	1660.4	1549.2	1526.4	1538.2	1563.8	1627.6	1737.0
57.5°	2129.1	2018.8	1798.1	1635.8	1521.8	1415.1	1396.0	1406.9	1430.6	1492.6	1591.1
60°	1990.5	1873.8	1655.0	1492.6	1382.3	1281.1	1263.8	1273.8	1299.3	1355.9	1447.1
62.5°	1853.7	1722.4	1507.2	1345.8	1245.5	1151.6	1147.1	1143.4	1167.1	1221.8	1302.1
65°	1687.8	1561.9	1353.1	1200.0	1108.8	1024.0	1005.7	1013.9	1036.7	1086.9	1170.8
67.5°	1510.0	1396.0	1195.4	1054.1	972.9	897.2	881.7	885.4	909.1	952.9	1025.8
70°	1321.2	1220.9	1034.0	907.3	838.9	767.8	757.7	758.6	781.4	819.7	883.6
72.5°	1123.4	1033.1	870.8	762.3	705.7	654.7	645.6	634.6	655.6	688.4	743.1
75°	921.8	842.5	708.5	620.0	575.4	532.5	524.3	513.4	534.3	562.6	605.4
77.5°	718.5	654.7	550.7	482.4	447.7	415.8	408.5	396.6	417.6	438.6	472.3
80°	519.7	473.2	411.2	339.2	327.3	306.4	299.1	286.3	306.4	320.0	345.6
82.5°	335.5	304.5	269.0	218.8	217.0	201.5	197.9	183.3	201.5	209.7	228.9
85°	169.6	155.0	145.9	111.2	114.9	104.9	103.9	88.4	103.0	106.7	117.6
87.5°	48.3	51.1	45.6	27.4	34.6	32.8	32.8	23.7	32.8	32.8	37.4
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: P837793

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-3HI-30-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0	3909.0
2.5°	3912.6	3928.1	3931.8	3930.8	3940.9	3995.6	3977.4	3995.6
5°	3921.7	3956.4	3965.5	3978.3	3994.7	4056.7	4036.6	4058.5
7.5°	3927.2	3979.2	3999.2	4023.9	4050.3	4119.6	4103.2	4125.1
10°	3927.2	3994.7	4023.9	4064.9	4100.4	4180.7	4165.2	4190.7
12.5°	3910.8	3997.4	4038.4	4095.9	4141.5	4228.1	4221.7	4240.0
15°	3877.1	3983.7	4040.3	4114.1	4170.7	4267.3	4264.6	4286.5
17.5°	3831.5	3960.0	4028.4	4121.4	4192.5	4301.0	4307.4	4319.3
20°	3774.0	3915.3	4004.7	4118.7	4208.0	4327.5	4335.7	4352.1
22.5°	3698.3	3861.6	3969.1	4106.8	4209.9	4338.4	4353.0	4368.5
25°	3609.0	3796.8	3922.6	4084.0	4200.7	4337.5	4357.6	4371.3
27.5°	3506.9	3712.9	3863.4	4047.6	4175.2	4322.9	4347.6	4364.0
30°	3388.3	3623.6	3795.9	4000.1	4140.6	4295.6	4322.0	4338.4
32.5°	3266.1	3525.1	3715.7	3939.1	4090.4	4251.8	4274.6	4287.4
35°	3133.0	3405.6	3619.0	3860.6	4025.7	4181.6	4198.9	4212.6
37.5°	2988.0	3276.2	3508.7	3772.2	3934.5	4084.0	4099.5	4115.0
40°	2838.5	3140.3	3384.7	3663.7	3826.0	3964.6	3981.0	3991.9
42.5°	2688.0	2989.9	3252.5	3536.0	3697.4	3830.5	3840.6	3851.5
45°	2535.8	2833.9	3103.8	3394.7	3554.3	3679.2	3682.8	3692.0
47.5°	2380.8	2672.5	2940.6	3233.3	3391.1	3505.0	3508.7	3516.0
50°	2224.8	2511.1	2766.5	3059.2	3213.2	3333.6	3317.2	3324.5
52.5°	2071.7	2341.5	2602.3	2871.3	3023.6	3130.3	3134.8	3120.2
55°	1921.2	2175.6	2415.4	2674.4	2819.3	2902.3	2899.6	2905.1
57.5°	1768.9	2007.8	2227.6	2464.6	2606.0	2684.4	2700.8	2681.7
60°	1613.9	1838.2	2035.2	2249.5	2386.2	2451.9	2471.0	2452.8
62.5°	1459.8	1665.9	1844.6	2031.5	2158.3	2239.4	2237.6	2217.5
65°	1305.7	1492.6	1652.2	1810.9	1921.2	2002.4	1998.7	1980.5
67.5°	1163.5	1317.6	1460.7	1589.3	1685.0	1740.7	1759.8	1737.9
70°	1006.6	1139.8	1265.6	1368.6	1448.0	1498.1	1516.4	1497.2
72.5°	849.8	962.9	1051.3	1150.7	1211.8	1253.8	1272.9	1254.7
75°	694.8	787.8	859.8	937.3	980.2	1015.8	1037.6	1019.4
77.5°	544.4	616.4	673.8	730.4	779.6	787.8	807.0	795.1
80°	401.2	453.2	495.1	532.5	568.1	571.7	587.2	579.9
82.5°	267.2	301.8	312.8	352.0	374.8	371.1	386.6	381.1
85°	141.3	162.3	181.5	193.3	206.1	194.2	207.9	202.4
87.5°	47.4	50.2	43.8	62.0	68.4	58.4	66.6	63.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)