

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: P838098

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-3STD-35-120-EDD**

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: P838098
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-LD4-3STD-35-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

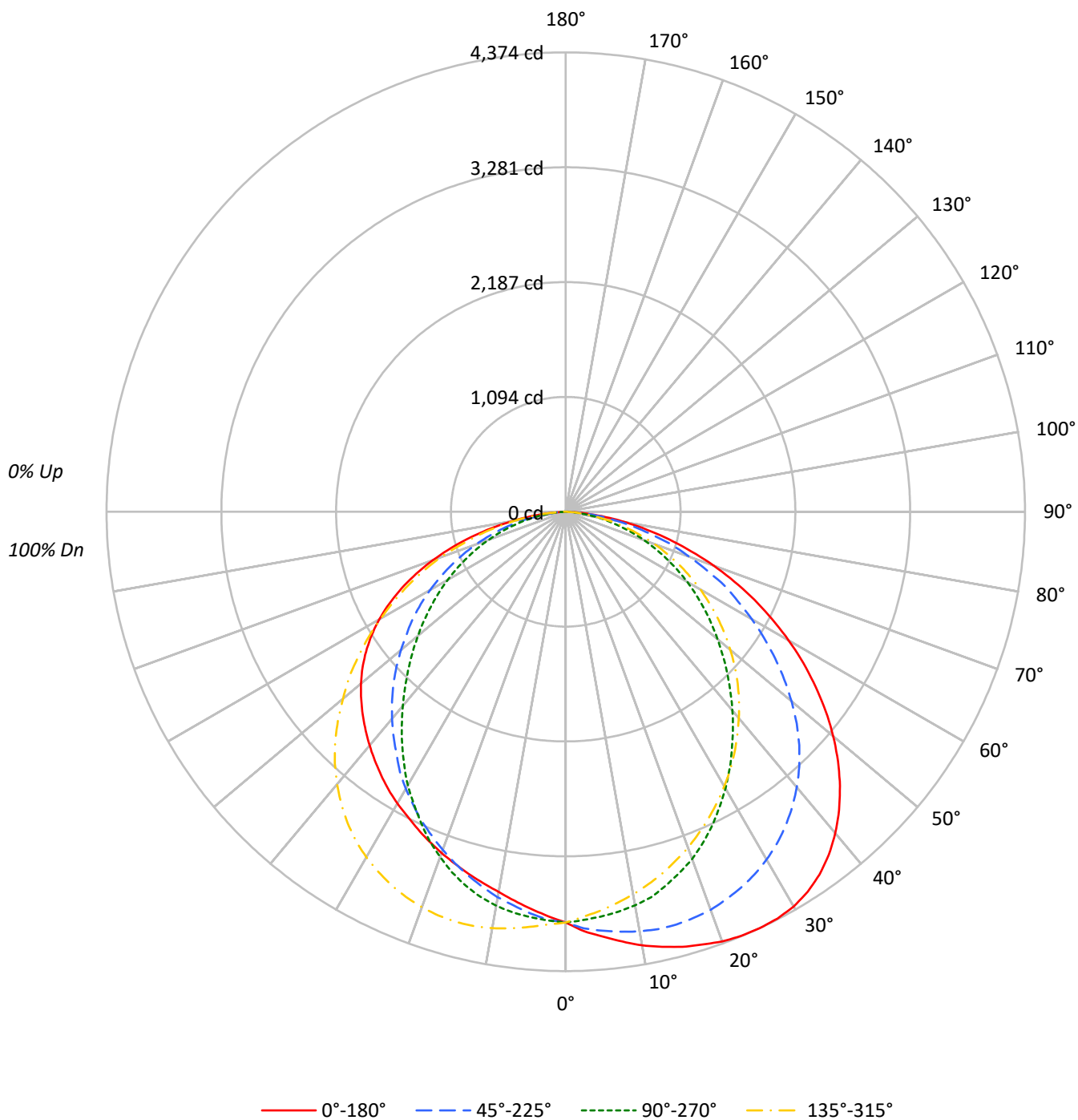
Lumens per Lamp: N/A
Luminaire Lumens: 11474.4 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 99.9
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°	5262	5262	5262	5262
5°	5484	5224	5126	5233
10°	5729	5198	5022	5205
15°	5974	5131	4973	5133
20°	6235	5038	4951	5010
25°	6493	4897	4950	4847
30°	6744	4727	4983	4675
35°	6923	4533	5033	4461
40°	7015	4338	5104	4240
45°	7029	4140	5203	4036
50°	6962	3951	5330	3846
55°	6818	3775	5449	3670
60°	6604	3592	5521	3498
65°	6308	3381	5493	3302
70°	5893	3133	5297	3076
75°	5302	2793	4861	2779
80°	4496	2340	4086	2375
85°	3126	1550	2592	1592

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.3	3.2
10°-20°	1075.3	9.4
20°-30°	1647.9	14.4
30°-40°	2003.7	17.5
40°-50°	2083.0	18.2
50°-60°	1881.6	16.4
60°-70°	1430.5	12.5
70°-80°	797.5	7.0
80°-90°	183.6	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°	3094.5	27.0
0°-40°	5098.2	44.4
0°-60°	9062.8	79.0
0°-90°	11474.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11474.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3911	3911	3911	3911	3911	
5°	4061	3868	3795	3874	4061	392
15°	4289	3684	3570	3685	4289	1216
25°	4374	3299	3334	3265	4374	2020
35°	4215	2760	3064	2716	4215	2632
45°	3694	2176	2734	2121	3694	2844
55°	2907	1609	2323	1565	2907	2595
65°	1982	1062	1725	1037	1982	1958
75°	1020	537	935	535	1020	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°	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0
2.5°	3997.7	3939.3	3940.2	3991.3	3952.1	3971.2	3916.5	3937.5	3931.1	3935.7	3890.9
5°	4060.6	3997.7	3996.8	4040.6	3996.8	4005.0	3935.7	3949.3	3929.3	3916.5	3868.1
7.5°	4127.2	4064.3	4057.9	4096.2	4038.7	4032.4	3955.7	3955.7	3919.2	3887.3	3841.7
10°	4192.9	4128.1	4119.9	4149.1	4078.0	4057.0	3963.9	3949.3	3901.0	3853.5	3804.3
12.5°	4242.2	4176.5	4170.1	4188.4	4108.1	4069.8	3963.9	3935.7	3864.5	3797.9	3759.6
15°	4288.7	4221.2	4203.9	4213.0	4120.8	4069.8	3951.2	3907.4	3816.1	3728.6	3683.9
17.5°	4321.6	4256.8	4239.4	4238.5	4127.2	4054.2	3923.8	3863.6	3754.1	3648.3	3603.6
20°	4354.4	4289.6	4267.7	4251.3	4125.4	4033.3	3883.7	3802.5	3674.7	3556.1	3518.7
22.5°	4370.8	4304.2	4280.5	4255.9	4113.5	3995.0	3834.4	3731.3	3585.3	3443.9	3412.9
25°	4373.6	4305.1	4279.6	4244.0	4089.8	3949.3	3770.5	3645.5	3482.2	3325.3	3298.9
27.5°	4366.3	4291.4	4265.9	4223.0	4054.2	3893.7	3694.8	3547.9	3372.8	3199.4	3171.1
30°	4340.7	4265.0	4240.4	4184.7	4004.1	3825.3	3611.8	3439.4	3251.4	3067.1	3042.5
32.5°	4289.6	4215.7	4195.7	4140.0	3949.3	3745.9	3515.1	3322.6	3117.3	2941.2	2904.8
35°	4214.8	4140.9	4128.1	4069.8	3872.7	3651.0	3409.3	3194.9	2975.0	2795.3	2759.7
37.5°	4117.2	4055.2	4036.0	3978.5	3782.4	3543.4	3287.9	3056.2	2829.9	2636.5	2614.6
40°	3994.0	3935.7	3921.1	3870.0	3677.5	3423.9	3156.5	2913.0	2680.3	2500.6	2469.6
42.5°	3853.5	3798.8	3790.6	3737.7	3547.9	3291.6	3014.2	2764.3	2524.3	2351.0	2320.0
45°	3693.9	3641.0	3639.2	3589.0	3406.5	3144.7	2864.6	2613.7	2372.0	2192.3	2175.8
47.5°	3517.8	3470.4	3470.4	3423.9	3248.7	2983.2	2710.4	2456.8	2218.7	2060.0	2030.8
50°	3326.2	3281.5	3267.8	3245.0	3074.4	2807.1	2548.0	2303.6	2067.3	1915.8	1887.5
52.5°	3121.9	3083.6	3092.7	3050.7	2885.6	2623.8	2383.8	2131.1	1914.9	1777.2	1748.9
55°	2906.6	2851.8	2860.1	2844.5	2688.5	2434.9	2199.5	1988.8	1765.3	1635.7	1609.3
57.5°	2683.1	2611.9	2641.1	2632.0	2478.7	2241.5	2030.8	1827.3	1616.6	1497.1	1471.5
60°	2454.1	2385.7	2415.8	2407.6	2263.4	2048.1	1856.5	1667.7	1468.8	1360.2	1334.7
62.5°	2218.7	2155.8	2183.1	2176.7	2044.5	1850.1	1683.2	1509.9	1320.1	1222.5	1198.8
65°	1981.5	1921.3	1945.9	1941.4	1819.1	1671.3	1505.3	1346.6	1170.5	1085.6	1061.9
67.5°	1738.8	1683.2	1706.0	1706.0	1593.8	1452.4	1326.5	1181.4	1023.6	950.6	928.7
70°	1498.0	1446.0	1466.1	1464.2	1369.4	1254.4	1145.8	1016.3	874.9	814.7	796.4
72.5°	1255.3	1209.7	1228.0	1226.1	1146.8	1072.9	965.2	853.0	729.8	681.5	665.1
75°	1019.9	977.1	994.4	992.6	927.8	858.5	786.4	693.3	587.5	553.8	537.3
77.5°	795.5	751.7	766.3	766.3	718.9	668.7	611.2	539.2	464.4	427.9	416.0
80°	580.2	559.2	551.9	552.9	520.9	488.1	458.9	389.6	334.8	310.2	302.0
82.5°	381.3	364.0	356.7	358.5	340.3	320.2	302.0	253.6	217.1	202.5	198.0
85°	202.5	189.8	183.4	187.9	184.3	173.3	164.2	131.4	108.6	103.1	100.4
87.5°	63.9	55.7	51.1	67.5	57.5	51.1	49.3	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°	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0
2.5°	3905.5	3905.5	3870.0	3861.8	3858.1	3862.7	3827.1	3820.7	3871.8	3854.5	3815.2
5°	3874.5	3872.7	3822.5	3813.4	3813.4	3807.9	3767.8	3758.7	3809.8	3795.2	3752.3
7.5°	3836.2	3830.7	3771.4	3765.1	3755.9	3752.3	3707.6	3701.2	3745.0	3735.9	3695.7
10°	3789.7	3784.2	3714.0	3709.4	3699.4	3692.1	3650.1	3645.5	3690.2	3675.6	3643.7
12.5°	3728.6	3718.5	3646.5	3641.9	3633.7	3630.9	3589.9	3588.1	3637.3	3622.7	3589.0
15°	3648.3	3640.1	3559.8	3561.6	3562.5	3562.5	3529.7	3527.9	3576.2	3569.8	3533.3
17.5°	3559.8	3548.8	3472.2	3477.7	3484.1	3491.4	3465.8	3470.4	3521.5	3513.3	3480.4
20°	3459.4	3448.5	3373.7	3389.2	3402.9	3417.5	3401.0	3413.8	3461.3	3457.6	3433.0
22.5°	3347.2	3336.3	3266.9	3290.7	3313.5	3340.8	3333.5	3348.1	3398.3	3397.4	3375.5
25°	3210.4	3213.1	3152.0	3181.2	3219.5	3257.8	3260.6	3284.3	3339.9	3334.4	3314.4
27.5°	3082.7	3086.3	3021.5	3070.8	3121.9	3171.1	3183.0	3215.8	3272.4	3267.8	3250.5
30°	2948.5	2953.1	2890.2	2957.7	3019.7	3079.9	3105.5	3150.2	3207.6	3207.6	3189.4
32.5°	2809.0	2817.2	2751.5	2841.8	2913.9	2984.1	3028.8	3075.4	3141.0	3139.2	3123.7
35°	2665.7	2674.9	2614.6	2729.6	2801.7	2887.4	2943.1	3005.1	3063.5	3064.4	3052.5
37.5°	2519.8	2530.7	2476.0	2601.9	2684.0	2785.2	2856.4	2918.4	2983.2	2986.9	2975.9
40°	2374.7	2386.6	2339.1	2460.5	2564.5	2677.6	2759.7	2832.7	2903.8	2905.7	2898.4
42.5°	2229.7	2242.4	2206.8	2325.4	2443.1	2564.5	2661.2	2744.2	2817.2	2821.7	2813.5
45°	2088.2	2099.2	2073.7	2203.2	2316.3	2448.6	2559.9	2653.9	2727.8	2734.2	2731.4
47.5°	1947.8	1957.8	1935.0	2053.6	2184.0	2324.5	2453.2	2557.2	2635.6	2642.9	2641.1
50°	1810.0	1818.2	1793.6	1917.6	2047.2	2196.8	2330.9	2451.3	2538.9	2546.2	2545.3
52.5°	1673.2	1681.4	1660.4	1790.8	1908.5	2066.4	2212.3	2342.8	2429.4	2440.4	2442.2
55°	1540.9	1544.5	1528.1	1653.1	1767.1	1932.2	2100.1	2226.9	2313.6	2322.7	2328.2
57.5°	1408.6	1409.5	1395.8	1515.3	1624.8	1793.6	1969.7	2102.8	2185.0	2194.1	2202.3
60°	1277.2	1276.3	1260.8	1376.7	1481.6	1648.5	1831.9	1964.2	2043.5	2051.8	2062.7
62.5°	1146.8	1144.0	1130.3	1237.1	1335.6	1500.7	1685.0	1812.7	1888.5	1893.9	1908.5
65°	1017.2	1014.5	1001.7	1100.2	1189.6	1347.5	1528.1	1649.4	1717.9	1725.2	1722.4
67.5°	889.5	884.0	874.0	962.5	1043.7	1189.6	1363.0	1478.8	1535.4	1541.8	1559.1
70°	761.8	755.4	732.6	826.5	897.7	1028.2	1189.6	1292.7	1340.2	1346.6	1343.8
72.5°	635.9	629.5	604.9	691.5	751.7	865.8	1009.9	1095.7	1136.7	1142.2	1142.2
75°	513.6	510.0	494.5	560.2	610.3	703.4	825.6	896.8	928.7	935.1	933.3
77.5°	395.9	393.2	377.7	434.3	473.5	542.8	641.3	697.0	720.7	728.0	743.5
80°	283.7	282.8	258.2	313.8	331.2	389.6	461.6	504.5	517.3	527.3	538.3
82.5°	181.5	182.5	157.8	205.3	212.6	250.0	294.7	321.1	330.3	338.5	346.7
85°	88.5	92.1	78.5	108.6	109.5	128.6	147.8	157.8	161.5	167.9	175.2
87.5°	22.8	26.5	14.6	31.0	27.4	35.6	41.1	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°	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0
2.5°	3828.0	3857.2	3842.6	3890.0	3908.3	3879.1	3930.2	3931.1	3894.6	3937.5	3961.2
5°	3768.7	3798.8	3789.7	3838.9	3861.8	3836.2	3898.2	3910.1	3874.5	3922.9	3961.2
7.5°	3708.5	3744.1	3732.2	3782.4	3809.8	3789.7	3856.3	3875.4	3848.1	3901.0	3952.1
10°	3656.5	3686.6	3673.8	3726.7	3750.5	3734.0	3799.7	3835.3	3809.8	3874.5	3935.7
12.5°	3605.4	3630.0	3615.4	3659.2	3682.0	3661.0	3741.3	3774.2	3755.9	3823.4	3901.9
15°	3539.7	3567.1	3547.0	3586.2	3603.6	3585.3	3651.0	3707.6	3684.8	3758.7	3845.3
17.5°	3489.5	3505.0	3477.7	3508.7	3518.7	3494.1	3560.7	3616.3	3599.9	3680.2	3780.6
20°	3433.9	3446.7	3408.3	3425.7	3424.8	3393.7	3454.9	3509.6	3498.7	3587.2	3701.2
22.5°	3371.9	3378.2	3333.5	3337.2	3335.4	3284.3	3339.0	3394.7	3390.1	3479.5	3607.2
25°	3306.2	3307.1	3249.6	3247.8	3227.7	3167.5	3215.8	3278.8	3265.1	3361.8	3495.9
27.5°	3241.4	3232.3	3162.9	3146.5	3114.6	3042.5	3085.4	3142.0	3133.7	3228.6	3377.3
30°	3172.1	3160.2	3075.4	3045.2	2998.7	2915.7	2951.3	3004.2	3008.8	3091.8	3247.8
32.5°	3106.4	3076.3	2982.3	2938.5	2880.1	2783.4	2802.6	2856.4	2863.7	2947.6	3108.2
35°	3021.5	3001.5	2885.6	2810.8	2753.3	2647.5	2667.6	2705.0	2715.9	2798.0	2961.3
37.5°	2941.2	2909.3	2786.2	2694.9	2621.0	2509.7	2515.2	2553.5	2564.5	2647.5	2809.0
40°	2858.2	2812.6	2680.3	2573.6	2488.7	2372.0	2365.6	2405.7	2413.9	2495.1	2641.1
42.5°	2769.7	2715.0	2566.3	2449.5	2351.9	2233.3	2220.5	2255.2	2264.3	2343.7	2486.9
45°	2680.3	2614.6	2449.5	2321.8	2215.1	2093.7	2081.0	2107.4	2121.1	2195.9	2333.7
47.5°	2585.5	2508.8	2329.1	2186.8	2076.4	1955.1	1939.5	1966.0	1976.9	2050.8	2181.3
50°	2486.0	2393.0	2205.0	2048.1	1938.6	1819.1	1796.3	1827.3	1837.4	1906.7	2034.4
52.5°	2376.5	2273.4	2072.7	1908.5	1799.1	1685.0	1657.6	1687.8	1699.6	1767.1	1884.8
55°	2260.7	2149.4	1939.5	1779.9	1661.3	1550.0	1527.2	1539.0	1564.6	1628.5	1737.9
57.5°	2130.2	2019.8	1799.1	1636.7	1522.6	1415.9	1396.7	1407.7	1431.4	1493.4	1592.0
60°	1991.5	1874.8	1655.8	1493.4	1383.0	1281.8	1264.4	1274.5	1300.0	1356.6	1447.8
62.5°	1854.7	1723.3	1508.0	1346.6	1246.2	1152.2	1147.7	1144.0	1167.7	1222.5	1302.8
65°	1688.7	1562.8	1353.8	1200.6	1109.4	1024.5	1006.3	1014.5	1037.3	1087.5	1171.4
67.5°	1510.8	1396.7	1196.0	1054.6	973.4	897.7	882.2	885.8	909.6	953.4	1026.3
70°	1321.9	1221.6	1034.5	907.7	839.3	768.2	758.1	759.0	781.8	820.2	884.0
72.5°	1124.0	1033.6	871.2	762.7	706.1	655.0	645.9	635.0	655.9	688.8	743.5
75°	922.3	843.0	708.9	620.4	575.7	532.8	524.6	513.6	534.6	562.9	605.8
77.5°	718.9	655.0	551.0	482.6	447.9	416.0	408.7	396.8	417.8	438.8	472.6
80°	520.0	473.5	411.4	339.4	327.5	306.5	299.2	286.5	306.5	320.2	345.8
82.5°	335.7	304.7	269.1	219.0	217.1	201.6	198.0	183.4	201.6	209.8	229.0
85°	169.7	155.1	146.0	111.3	114.9	104.9	104.0	88.5	103.1	106.7	117.7
87.5°	48.4	51.1	45.6	27.4	34.7	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: P838098

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-3STD-35-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0	3911.0
2.5°	3914.7	3930.2	3933.8	3932.9	3942.9	3997.7	3979.4	3997.7
5°	3923.8	3958.5	3967.6	3980.4	3996.8	4058.8	4038.7	4060.6
7.5°	3929.3	3981.3	4001.3	4026.0	4052.4	4121.8	4105.3	4127.2
10°	3929.3	3996.8	4026.0	4067.0	4102.6	4182.9	4167.4	4192.9
12.5°	3912.8	3999.5	4040.6	4098.0	4143.7	4230.3	4223.9	4242.2
15°	3879.1	3985.8	4042.4	4116.3	4172.8	4269.6	4266.8	4288.7
17.5°	3833.5	3962.1	4030.5	4123.6	4194.7	4303.3	4309.7	4321.6
20°	3776.0	3917.4	4006.8	4120.8	4210.3	4329.8	4338.0	4354.4
22.5°	3700.3	3863.6	3971.2	4109.0	4212.1	4340.7	4355.3	4370.8
25°	3610.9	3798.8	3924.7	4086.2	4203.0	4339.8	4359.9	4373.6
27.5°	3508.7	3714.9	3865.4	4049.7	4177.4	4325.2	4349.8	4366.3
30°	3390.1	3625.5	3797.9	4002.2	4142.7	4297.8	4324.3	4340.7
32.5°	3267.8	3526.9	3717.6	3941.1	4092.6	4254.0	4276.9	4289.6
35°	3134.7	3407.4	3620.9	3862.7	4027.8	4183.8	4201.1	4214.8
37.5°	2989.6	3277.9	3510.5	3774.2	3936.6	4086.2	4101.7	4117.2
40°	2840.0	3142.0	3386.4	3665.6	3828.0	3966.7	3983.1	3994.0
42.5°	2689.5	2991.4	3254.2	3537.9	3699.4	3832.6	3842.6	3853.5
45°	2537.1	2835.4	3105.5	3396.5	3556.1	3681.1	3684.8	3693.9
47.5°	2382.0	2673.9	2942.2	3235.0	3392.8	3506.9	3510.5	3517.8
50°	2226.0	2512.5	2767.9	3060.8	3214.9	3335.4	3318.9	3326.2
52.5°	2072.7	2342.8	2603.7	2872.8	3025.2	3131.9	3136.5	3121.9
55°	1922.2	2176.7	2416.7	2675.8	2820.8	2903.8	2901.1	2906.6
57.5°	1769.9	2008.9	2228.7	2465.9	2607.3	2685.8	2702.2	2683.1
60°	1614.8	1839.2	2036.2	2250.6	2387.5	2453.2	2472.3	2454.1
62.5°	1460.6	1666.8	1845.6	2032.6	2159.4	2240.6	2238.8	2218.7
65°	1306.4	1493.4	1653.1	1811.8	1922.2	2003.4	1999.8	1981.5
67.5°	1164.1	1318.3	1461.5	1590.1	1685.9	1741.6	1760.7	1738.8
70°	1007.2	1140.4	1266.3	1369.4	1448.7	1498.9	1517.2	1498.0
72.5°	850.3	963.4	1051.9	1151.3	1212.4	1254.4	1273.6	1255.3
75°	695.2	788.2	860.3	937.8	980.7	1016.3	1038.2	1019.9
77.5°	544.6	616.7	674.2	730.8	780.0	788.2	807.4	795.5
80°	401.4	453.4	495.4	532.8	568.4	572.0	587.5	580.2
82.5°	267.3	302.0	312.9	352.1	375.0	371.3	386.8	381.3
85°	141.4	162.4	181.5	193.4	206.2	194.3	208.0	202.5
87.5°	47.4	50.2	43.8	62.0	68.4	58.4	66.6	63.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)