

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: P837765

Luminaire Tested: **ORLG-12-4-INS-ASY2R-LD4-3STD-50-120-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: P837765
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-LD4-3STD-50-120-EDD
Description: 1FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

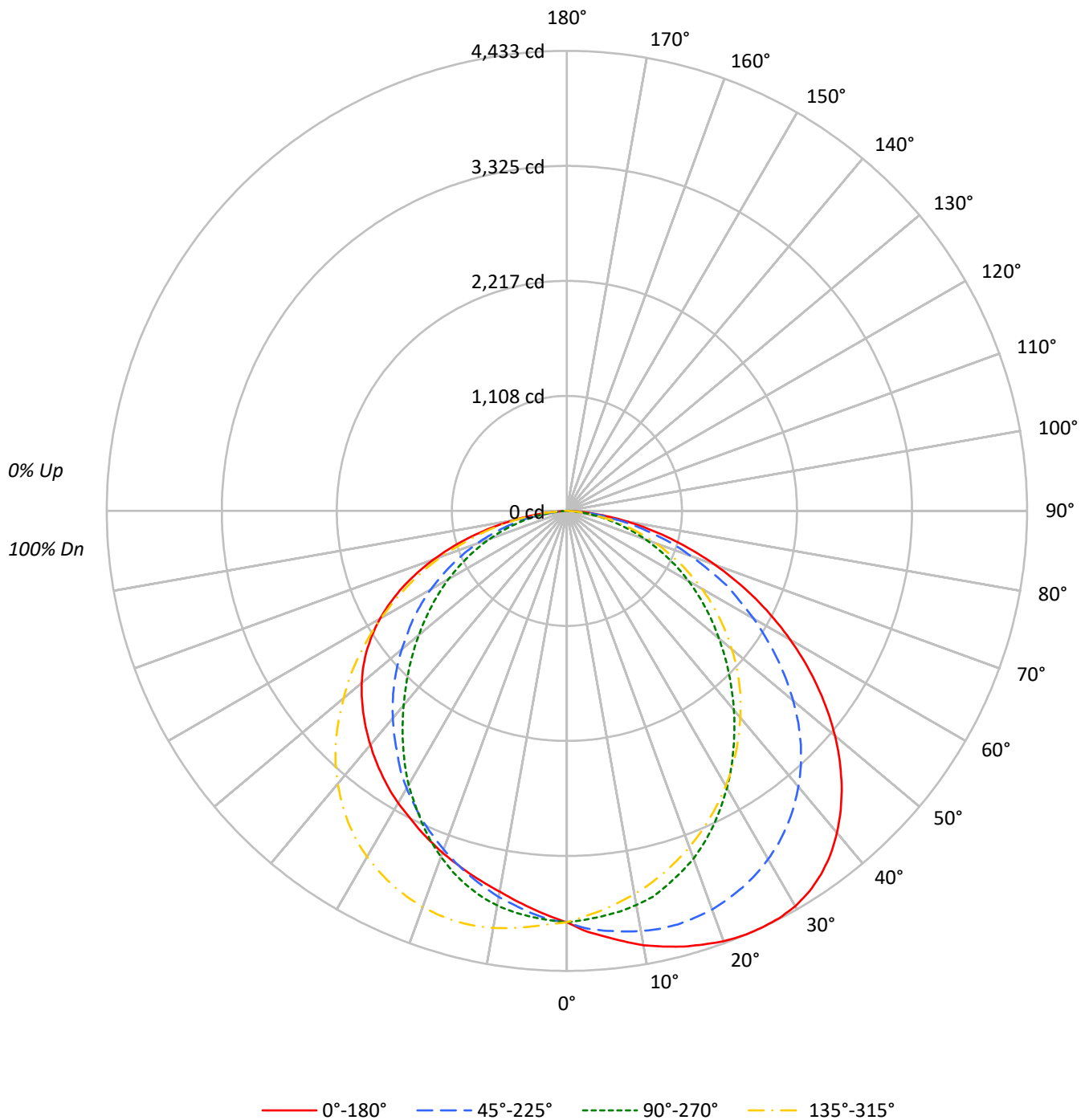
Lumens per Lamp: N/A
Luminaire Lumens: 11630.6 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	10668	10668	10668	10668
5°	11118	10591	10391	10609
10°	11613	10537	10180	10552
15°	12111	10403	10081	10405
20°	12639	10214	10036	10155
25°	13163	9928	10035	9826
30°	13671	9583	10103	9476
35°	14035	9189	10204	9043
40°	14221	8793	10346	8595
45°	14249	8393	10547	8182
50°	14115	8009	10805	7797
55°	13822	7653	11045	7440
60°	13388	7281	11193	7092
65°	12789	6854	11134	6695
70°	11947	6352	10739	6235
75°	10749	5663	9854	5634
80°	9114	4744	8283	4815
85°	6339	3140	5252	3226

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.4	3.2
10°-20°	1089.9	9.4
20°-30°	1670.3	14.4
30°-40°	2031.0	17.5
40°-50°	2111.3	18.2
50°-60°	1907.2	16.4
60°-70°	1450.0	12.5
70°-80°	808.3	7.0
80°-90°	186.1	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°	3136.6	27.0
0°-40°	5167.6	44.4
0°-60°	9186.1	79.0
0°-90°	11630.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11630.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3964	3964	3964	3964	3964	
5°	4116	3921	3847	3927	4116	397
15°	4347	3734	3618	3735	4347	1233
25°	4433	3344	3380	3310	4433	2048
35°	4272	2797	3106	2753	4272	2668
45°	3744	2205	2771	2150	3744	2883
55°	2946	1631	2354	1586	2946	2630
65°	2008	1076	1749	1051	2008	1985
75°	1034	545	948	542	1034	1098
85°	205	102	170	104	205	258
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°	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2
2.5°	4052.1	3992.9	3993.8	4045.6	4005.9	4025.3	3969.8	3991.1	3984.6	3989.2	3943.9
5°	4115.9	4052.1	4051.2	4095.6	4051.2	4059.5	3989.2	4003.1	3982.7	3969.8	3920.8
7.5°	4183.4	4119.6	4113.1	4152.0	4093.7	4087.2	4009.6	4009.6	3972.6	3940.2	3894.0
10°	4250.0	4184.3	4176.0	4205.6	4133.5	4112.2	4017.9	4003.1	3954.1	3906.0	3856.1
12.5°	4299.9	4233.3	4226.9	4245.4	4164.0	4125.1	4017.9	3989.2	3917.1	3849.6	3810.7
15°	4347.1	4278.6	4261.1	4270.3	4176.9	4125.1	4004.9	3960.5	3868.1	3779.3	3734.0
17.5°	4380.4	4314.7	4297.1	4296.2	4183.4	4109.4	3977.2	3916.2	3805.2	3697.9	3652.6
20°	4413.7	4348.0	4325.8	4309.2	4181.6	4088.2	3936.5	3854.2	3724.7	3604.5	3566.6
22.5°	4430.3	4362.8	4338.8	4313.8	4169.5	4049.3	3886.6	3782.1	3634.1	3490.8	3459.4
25°	4433.1	4363.7	4337.8	4301.8	4145.5	4003.1	3821.8	3695.2	3529.6	3370.6	3343.8
27.5°	4425.7	4349.8	4324.0	4280.5	4109.4	3946.7	3745.1	3596.2	3418.7	3243.0	3214.3
30°	4399.8	4323.0	4298.1	4241.7	4058.6	3877.3	3660.9	3486.2	3295.7	3108.9	3083.9
32.5°	4348.0	4273.1	4252.8	4196.3	4003.1	3796.9	3562.9	3367.8	3159.7	2981.3	2944.3
35°	4272.2	4197.3	4184.3	4125.1	3925.4	3700.7	3455.7	3238.3	3015.5	2833.3	2797.3
37.5°	4173.2	4110.3	4090.9	4032.7	3833.9	3591.6	3332.7	3097.8	2868.5	2672.4	2650.2
40°	4048.4	3989.2	3974.4	3922.6	3727.5	3470.4	3199.5	2952.6	2716.8	2534.6	2503.2
42.5°	3906.0	3850.5	3842.2	3788.5	3596.2	3336.4	3055.3	2801.9	2558.7	2383.0	2351.5
45°	3744.2	3690.5	3688.7	3637.8	3452.9	3187.5	2903.6	2649.3	2404.3	2222.1	2205.4
47.5°	3565.7	3517.6	3517.6	3470.4	3292.9	3023.8	2747.3	2490.3	2248.9	2088.0	2058.4
50°	3371.5	3326.2	3312.3	3289.2	3116.3	2845.3	2582.7	2334.9	2095.4	1941.9	1913.2
52.5°	3164.4	3125.5	3134.8	3092.2	2924.9	2659.5	2416.3	2160.1	1941.0	1801.3	1772.7
55°	2946.1	2890.7	2899.0	2883.3	2725.1	2468.1	2229.5	2015.9	1789.3	1658.0	1631.2
57.5°	2719.6	2647.5	2677.0	2667.8	2512.4	2272.0	2058.4	1852.2	1638.6	1517.5	1491.6
60°	2487.5	2418.1	2448.6	2440.3	2294.2	2076.0	1881.8	1690.4	1488.8	1378.7	1352.9
62.5°	2248.9	2185.1	2212.8	2206.4	2072.3	1875.3	1706.1	1530.4	1338.1	1239.1	1215.1
65°	2008.5	1947.4	1972.4	1967.8	1843.9	1694.1	1525.8	1364.9	1186.4	1100.4	1076.4
67.5°	1762.5	1706.1	1729.2	1729.2	1615.5	1472.1	1344.5	1197.5	1037.5	963.6	941.4
70°	1518.4	1465.7	1486.0	1484.2	1388.0	1271.5	1161.4	1030.1	886.8	825.8	807.3
72.5°	1272.4	1226.2	1244.7	1242.8	1162.4	1087.5	978.3	864.6	739.8	690.8	674.1
75°	1033.8	990.4	1007.9	1006.1	940.4	870.2	797.1	702.8	595.5	561.3	544.7
77.5°	806.3	762.0	776.8	776.8	728.7	677.8	619.6	546.5	470.7	433.7	421.7
80°	588.1	566.8	559.5	560.4	528.0	494.7	465.1	394.9	339.4	314.4	306.1
82.5°	386.5	369.0	361.6	363.4	344.9	324.6	306.1	257.1	220.1	205.3	200.7
85°	205.3	192.3	185.9	190.5	186.8	175.7	166.4	133.2	110.0	104.5	101.7
87.5°	64.7	56.4	51.8	68.4	58.3	51.8	49.9	39.8	30.5	30.5	29.6
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°	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2
2.5°	3958.7	3958.7	3922.6	3914.3	3910.6	3915.2	3879.2	3872.7	3924.5	3906.9	3867.1
5°	3927.3	3925.4	3874.5	3865.3	3865.3	3859.8	3819.1	3809.8	3861.6	3846.8	3803.3
7.5°	3888.4	3882.9	3822.8	3816.3	3807.0	3803.3	3758.0	3751.6	3795.9	3786.7	3746.0
10°	3841.3	3835.7	3764.5	3759.9	3749.7	3742.3	3699.8	3695.2	3740.5	3725.7	3693.3
12.5°	3779.3	3769.1	3696.1	3691.5	3683.1	3680.4	3638.7	3636.9	3686.8	3672.0	3637.8
15°	3697.9	3689.6	3608.2	3610.1	3611.0	3611.0	3577.7	3575.9	3624.9	3618.4	3581.4
17.5°	3608.2	3597.1	3519.5	3525.0	3531.5	3538.9	3513.0	3517.6	3569.4	3561.1	3527.8
20°	3506.5	3495.4	3419.6	3435.3	3449.2	3464.0	3447.3	3460.3	3508.4	3504.7	3479.7
22.5°	3392.8	3381.7	3311.4	3335.4	3358.6	3386.3	3378.9	3393.7	3444.6	3443.6	3421.4
25°	3254.1	3256.8	3194.9	3224.5	3263.3	3302.1	3304.9	3329.0	3385.4	3379.8	3359.5
27.5°	3124.6	3128.3	3062.6	3112.6	3164.4	3214.3	3226.3	3259.6	3316.9	3312.3	3294.8
30°	2988.7	2993.3	2929.5	2997.9	3060.8	3121.8	3147.7	3193.0	3251.3	3251.3	3232.8
32.5°	2847.2	2855.5	2788.9	2880.5	2953.5	3024.7	3070.0	3117.2	3183.8	3181.9	3166.2
35°	2702.0	2711.3	2650.2	2766.7	2839.8	2926.7	2983.1	3046.0	3105.2	3106.1	3094.1
37.5°	2554.1	2565.2	2509.7	2637.3	2720.5	2823.1	2895.3	2958.2	3023.8	3027.5	3016.4
40°	2407.0	2419.0	2371.0	2494.0	2599.4	2714.0	2797.3	2871.2	2943.4	2945.2	2937.8
42.5°	2260.0	2272.9	2236.9	2357.1	2476.4	2599.4	2697.4	2781.5	2855.5	2860.1	2851.8
45°	2116.7	2127.8	2101.9	2233.2	2347.8	2481.9	2594.7	2690.0	2764.9	2771.4	2768.6
47.5°	1974.3	1984.4	1961.3	2081.5	2213.8	2356.2	2486.6	2592.0	2671.5	2678.9	2677.0
50°	1834.6	1843.0	1818.0	1943.7	2075.1	2226.7	2362.6	2484.7	2573.5	2580.9	2579.9
52.5°	1695.9	1704.2	1683.0	1815.2	1934.5	2094.5	2242.4	2374.7	2462.5	2473.6	2475.5
55°	1561.8	1565.5	1548.9	1675.6	1791.2	1958.5	2128.7	2257.2	2345.1	2354.3	2359.9
57.5°	1427.8	1428.7	1414.8	1535.9	1646.9	1818.0	1996.5	2131.5	2214.7	2223.9	2232.3
60°	1294.6	1293.7	1278.0	1395.4	1501.7	1671.0	1856.8	1990.9	2071.4	2079.7	2090.8
62.5°	1162.4	1159.6	1145.7	1253.9	1353.8	1521.2	1707.9	1837.4	1914.2	1919.7	1934.5
65°	1031.1	1028.3	1015.3	1115.2	1205.8	1365.8	1548.9	1671.9	1741.2	1748.6	1745.9
67.5°	901.6	896.0	885.9	975.6	1057.9	1205.8	1381.5	1499.0	1556.3	1562.8	1580.3
70°	772.1	765.7	742.5	837.8	909.9	1042.2	1205.8	1310.3	1358.4	1364.9	1362.1
72.5°	644.5	638.1	613.1	700.9	762.0	877.6	1023.7	1110.6	1152.2	1157.7	1157.7
75°	520.6	516.9	501.2	567.8	618.6	713.0	836.9	909.0	941.4	947.8	946.0
77.5°	401.3	398.6	382.8	440.2	479.9	550.2	650.1	706.5	730.5	737.9	753.6
80°	287.6	286.7	261.7	318.1	335.7	394.9	467.9	511.4	524.3	534.5	545.6
82.5°	184.0	184.9	160.0	208.1	215.5	253.4	298.7	325.5	334.7	343.1	351.4
85°	89.7	93.4	79.5	110.0	111.0	130.4	149.8	160.0	163.7	170.1	177.5
87.5°	23.1	26.8	14.8	31.4	27.7	36.1	41.6	44.4	43.5	48.1	50.9
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°	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2
2.5°	3880.1	3909.7	3894.9	3943.0	3961.5	3931.9	3983.7	3984.6	3947.6	3991.1	4015.1
5°	3820.0	3850.5	3841.3	3891.2	3914.3	3888.4	3951.3	3963.3	3927.3	3976.3	4015.1
7.5°	3759.0	3795.0	3783.0	3833.9	3861.6	3841.3	3908.8	3928.2	3900.4	3954.1	4005.9
10°	3706.2	3736.8	3723.8	3777.5	3801.5	3784.8	3851.4	3887.5	3861.6	3927.3	3989.2
12.5°	3654.5	3679.4	3664.6	3709.0	3732.1	3710.9	3792.2	3825.5	3807.0	3875.5	3955.0
15°	3587.9	3615.6	3595.3	3635.0	3652.6	3634.1	3700.7	3758.0	3734.9	3809.8	3897.7
17.5°	3537.0	3552.7	3525.0	3556.4	3566.6	3541.7	3609.2	3665.6	3648.9	3730.3	3832.0
20°	3480.6	3493.6	3454.7	3472.3	3471.4	3439.9	3501.9	3557.4	3546.3	3636.0	3751.6
22.5°	3417.7	3424.2	3378.9	3382.6	3380.8	3329.0	3384.4	3440.9	3436.2	3526.9	3656.3
25°	3351.2	3352.1	3293.8	3292.0	3271.6	3210.6	3259.6	3323.4	3309.5	3407.6	3543.5
27.5°	3285.5	3276.3	3206.0	3189.3	3157.0	3083.9	3127.4	3184.7	3176.4	3272.6	3423.3
30°	3215.2	3203.2	3117.2	3086.7	3039.5	2955.4	2991.4	3045.1	3049.7	3133.9	3292.0
32.5°	3148.6	3118.1	3022.9	2978.5	2919.3	2821.3	2840.7	2895.3	2902.7	2987.7	3150.5
35°	3062.6	3042.3	2924.9	2849.0	2790.8	2683.5	2703.9	2741.8	2752.9	2836.1	3001.6
37.5°	2981.3	2948.9	2824.1	2731.6	2656.7	2543.9	2549.4	2588.3	2599.4	2683.5	2847.2
40°	2897.1	2850.9	2716.8	2608.6	2522.6	2404.3	2397.8	2438.5	2446.8	2529.1	2677.0
42.5°	2807.4	2751.9	2601.2	2482.9	2383.9	2263.7	2250.8	2285.9	2295.1	2375.6	2520.8
45°	2716.8	2650.2	2482.9	2353.4	2245.2	2122.2	2109.3	2136.1	2150.0	2225.8	2365.4
47.5°	2620.6	2543.0	2360.8	2216.5	2104.6	1981.7	1965.9	1992.8	2003.9	2078.8	2211.0
50°	2519.8	2425.5	2235.0	2076.0	1965.0	1843.9	1820.8	1852.2	1862.4	1932.6	2062.1
52.5°	2408.9	2304.4	2100.9	1934.5	1823.5	1707.9	1680.2	1710.7	1722.7	1791.2	1910.5
55°	2291.4	2178.6	1965.9	1804.1	1683.9	1571.1	1548.0	1560.0	1585.9	1650.6	1761.6
57.5°	2159.2	2047.3	1823.5	1658.9	1543.3	1435.2	1415.7	1426.8	1450.9	1513.8	1613.6
60°	2018.6	1900.3	1678.4	1513.8	1401.9	1299.2	1281.7	1291.8	1317.7	1375.0	1467.5
62.5°	1879.9	1746.8	1528.6	1364.9	1263.2	1167.9	1163.3	1159.6	1183.6	1239.1	1320.5
65°	1711.6	1584.0	1372.3	1216.9	1124.5	1038.5	1020.0	1028.3	1051.4	1102.3	1187.3
67.5°	1531.3	1415.7	1212.3	1069.0	986.7	909.9	894.2	897.9	921.9	966.3	1040.3
70°	1339.9	1238.2	1048.6	920.1	850.7	778.6	768.4	769.4	792.5	831.3	896.0
72.5°	1139.2	1047.7	883.1	773.1	715.7	663.9	654.7	643.6	664.9	698.2	753.6
75°	934.9	854.4	718.5	628.8	583.5	540.0	531.7	520.6	541.9	570.5	614.0
77.5°	728.7	663.9	558.5	489.2	454.0	421.7	414.3	402.3	423.5	444.8	479.0
80°	527.1	479.9	417.0	344.0	332.0	310.7	303.3	290.4	310.7	324.6	350.5
82.5°	340.3	308.9	272.8	221.9	220.1	204.4	200.7	185.9	204.4	212.7	232.1
85°	172.0	157.2	148.0	112.8	116.5	106.3	105.4	89.7	104.5	108.2	119.3
87.5°	49.0	51.8	46.2	27.7	35.1	33.3	33.3	24.0	33.3	33.3	37.9
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: P837765

CATALOG NUMBER: ORLG-12-4-INS-ASY2R-LD4-3STD-50-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2	3964.2
2.5°	3967.9	3983.7	3987.4	3986.4	3996.6	4052.1	4033.6	4052.1
5°	3977.2	4012.3	4021.6	4034.5	4051.2	4114.0	4093.7	4115.9
7.5°	3982.7	4035.4	4055.8	4080.8	4107.6	4177.9	4161.2	4183.4
10°	3982.7	4051.2	4080.8	4122.4	4158.4	4239.8	4224.1	4250.0
12.5°	3966.1	4053.9	4095.6	4153.8	4200.0	4287.9	4281.4	4299.9
15°	3931.9	4040.1	4097.4	4172.3	4229.6	4327.7	4324.9	4347.1
17.5°	3885.6	4016.0	4085.4	4179.7	4251.8	4361.9	4368.3	4380.4
20°	3827.4	3970.7	4061.3	4176.9	4267.5	4388.7	4397.0	4413.7
22.5°	3750.6	3916.2	4025.3	4164.9	4269.4	4399.8	4414.6	4430.3
25°	3660.0	3850.5	3978.1	4141.8	4260.2	4398.9	4419.2	4433.1
27.5°	3556.4	3765.4	3918.0	4104.8	4234.3	4384.1	4409.0	4425.7
30°	3436.2	3674.8	3849.6	4056.7	4199.1	4356.3	4383.1	4399.8
32.5°	3312.3	3574.9	3768.2	3994.8	4148.3	4311.9	4335.1	4348.0
35°	3177.3	3453.8	3670.2	3915.2	4082.6	4240.7	4258.3	4272.2
37.5°	3030.3	3322.5	3558.3	3825.5	3990.1	4141.8	4157.5	4173.2
40°	2878.6	3184.7	3432.5	3715.5	3880.1	4020.7	4037.3	4048.4
42.5°	2726.1	3032.1	3298.5	3586.0	3749.7	3884.7	3894.9	3906.0
45°	2571.6	2874.0	3147.7	3442.7	3604.5	3731.2	3734.9	3744.2
47.5°	2414.4	2710.3	2982.2	3279.0	3439.0	3554.6	3558.3	3565.7
50°	2256.3	2546.7	2805.6	3102.4	3258.7	3380.8	3364.1	3371.5
52.5°	2100.9	2374.7	2639.1	2911.9	3066.3	3174.5	3179.2	3164.4
55°	1948.4	2206.4	2449.6	2712.2	2859.2	2943.4	2940.6	2946.1
57.5°	1793.9	2036.2	2259.1	2499.5	2642.8	2722.4	2739.0	2719.6
60°	1636.7	1864.2	2064.0	2281.3	2420.0	2486.6	2506.0	2487.5
62.5°	1480.5	1689.5	1870.7	2060.3	2188.8	2271.1	2269.2	2248.9
65°	1324.2	1513.8	1675.6	1836.5	1948.4	2030.7	2027.0	2008.5
67.5°	1179.9	1336.2	1481.4	1611.8	1708.9	1765.3	1784.7	1762.5
70°	1020.9	1155.9	1283.5	1388.0	1468.4	1519.3	1537.8	1518.4
72.5°	861.8	976.5	1066.2	1167.0	1228.9	1271.5	1290.9	1272.4
75°	704.6	799.0	872.0	950.6	994.1	1030.1	1052.3	1033.8
77.5°	552.1	625.1	683.4	740.7	790.6	799.0	818.4	806.3
80°	406.9	459.6	502.1	540.0	576.1	579.8	595.5	588.1
82.5°	270.9	306.1	317.2	356.9	380.1	376.4	392.1	386.5
85°	143.3	164.6	184.0	196.0	209.0	197.0	210.8	205.3
87.5°	48.1	50.9	44.4	62.9	69.4	59.2	67.5	64.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)