

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: P838103

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5LO-35-120-EDD**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838103
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-LD4-5LO-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

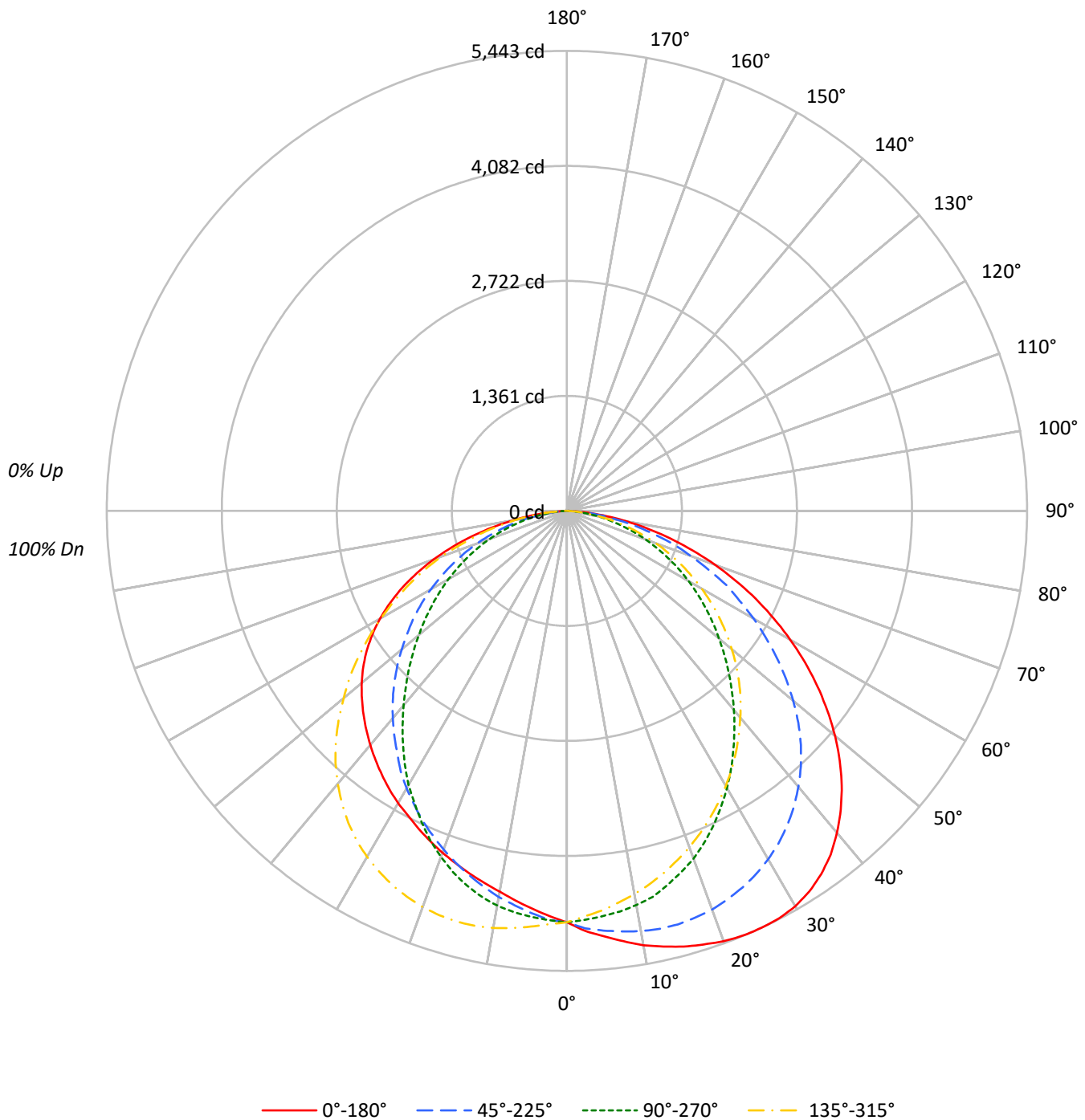
Lumens per Lamp: N/A
Luminaire Lumens: 14281.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 117
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
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°	6549	6549	6549	6549
5°	6826	6502	6380	6513
10°	7130	6469	6250	6478
15°	7435	6387	6189	6388
20°	7760	6271	6162	6235
25°	8081	6095	6161	6033
30°	8393	5883	6202	5818
35°	8616	5642	6264	5552
40°	8731	5399	6352	5277
45°	8748	5153	6475	5023
50°	8665	4917	6633	4787
55°	8486	4698	6781	4568
60°	8219	4470	6872	4354
65°	7852	4208	6836	4110
70°	7334	3899	6593	3828
75°	6599	3477	6050	3459
80°	5595	2912	5085	2956
85°	3892	1928	3225	1981

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.1	3.2
10°-20°	1338.3	9.4
20°-30°	2051.0	14.4
30°-40°	2493.8	17.5
40°-50°	2592.5	18.2
50°-60°	2341.8	16.4
60°-70°	1780.4	12.5
70°-80°	992.5	7.0
80°-90°	228.5	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°	3851.4	27.0
0°-40°	6345.2	44.4
0°-60°	11279.5	79.0
0°-90°	14281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14281.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4868	4868	4868	4868	4868	
5°	5054	4814	4723	4822	5054	487
15°	5338	4585	4443	4586	5338	1513
25°	5443	4106	4150	4064	5443	2514
35°	5246	3435	3814	3380	5246	3276
45°	4597	2708	3403	2640	4597	3540
55°	3618	2003	2891	1947	3618	3229
65°	2466	1322	2147	1291	2466	2437
75°	1269	669	1164	665	1269	1348
85°	252	125	209	128	252	317
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°	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6
2.5°	4975.5	4902.8	4904.0	4967.6	4918.7	4942.6	4874.5	4900.6	4892.6	4898.3	4842.7
5°	5053.9	4975.5	4974.4	5028.9	4974.4	4984.6	4898.3	4915.3	4890.3	4874.5	4814.3
7.5°	5136.7	5058.4	5050.4	5098.1	5026.6	5018.7	4923.3	4923.3	4877.9	4838.1	4781.3
10°	5218.5	5137.9	5127.7	5164.0	5075.4	5049.3	4933.5	4915.3	4855.2	4796.1	4734.8
12.5°	5279.8	5198.1	5190.1	5212.8	5112.9	5065.2	4933.5	4898.3	4809.7	4726.8	4679.2
15°	5337.7	5253.7	5232.1	5243.5	5128.8	5065.2	4917.6	4863.1	4749.6	4640.6	4584.9
17.5°	5378.6	5298.0	5276.4	5275.3	5136.7	5045.9	4883.5	4808.6	4672.3	4540.6	4485.0
20°	5419.5	5338.8	5311.6	5291.2	5134.5	5019.8	4833.6	4732.5	4573.6	4426.0	4379.4
22.5°	5439.9	5357.0	5327.5	5296.8	5119.7	4972.1	4772.3	4644.0	4462.3	4286.3	4247.7
25°	5443.3	5358.2	5326.4	5282.1	5090.2	4915.3	4692.8	4537.2	4334.0	4138.7	4105.8
27.5°	5434.2	5341.1	5309.3	5256.0	5045.9	4846.1	4598.5	4415.7	4197.7	3982.0	3946.8
30°	5402.4	5308.2	5277.5	5208.3	4983.5	4760.9	4495.2	4280.6	4046.7	3817.4	3786.7
32.5°	5338.8	5246.9	5221.9	5152.6	4915.3	4662.1	4374.9	4135.3	3879.8	3660.7	3615.2
35°	5245.7	5153.8	5137.9	5065.2	4820.0	4544.0	4243.1	3976.3	3702.7	3479.0	3434.7
37.5°	5124.3	5047.0	5023.2	4951.7	4707.5	4410.1	4092.1	3803.7	3522.1	3281.4	3254.2
40°	4971.0	4898.3	4880.1	4816.5	4577.0	4261.3	3928.6	3625.5	3335.9	3112.2	3073.6
42.5°	4796.1	4728.0	4717.8	4651.9	4415.7	4096.7	3751.5	3440.4	3141.8	2926.0	2887.4
45°	4597.4	4531.5	4529.3	4466.8	4239.7	3913.9	3565.3	3253.0	2952.1	2728.5	2708.0
47.5°	4378.3	4319.2	4319.2	4261.3	4043.3	3712.9	3373.4	3057.7	2761.4	2563.8	2527.5
50°	4139.8	4084.2	4067.2	4038.8	3826.4	3493.8	3171.3	2867.0	2572.9	2384.4	2349.2
52.5°	3885.5	3837.8	3849.1	3796.9	3591.4	3265.5	2966.9	2652.4	2383.3	2211.8	2176.6
55°	3617.5	3549.4	3559.6	3540.3	3346.1	3030.5	2737.6	2475.3	2197.1	2035.8	2002.9
57.5°	3339.3	3250.8	3287.1	3275.8	3085.0	2789.8	2527.5	2274.3	2012.0	1863.3	1831.5
60°	3054.3	2969.2	3006.7	2996.4	2817.0	2549.1	2310.6	2075.6	1828.1	1692.9	1661.2
62.5°	2761.4	2683.0	2717.1	2709.2	2544.5	2302.7	2094.9	1879.2	1643.0	1521.5	1492.0
65°	2466.2	2391.2	2421.9	2416.2	2264.1	2080.1	1873.5	1675.9	1456.8	1351.2	1321.7
67.5°	2164.2	2094.9	2123.3	2123.3	1983.6	1807.6	1650.9	1470.4	1274.0	1183.1	1155.9
70°	1864.4	1799.7	1824.7	1822.4	1704.3	1561.2	1426.1	1264.9	1088.9	1013.9	991.2
72.5°	1562.4	1505.6	1528.3	1526.0	1427.3	1335.3	1201.3	1061.6	908.4	848.2	827.7
75°	1269.4	1216.1	1237.6	1235.4	1154.7	1068.5	978.8	862.9	731.2	689.2	668.8
77.5°	990.1	935.6	953.8	953.8	894.7	832.3	760.7	671.0	577.9	532.5	517.8
80°	722.1	696.0	686.9	688.1	648.3	607.5	571.1	484.8	416.7	386.1	375.8
82.5°	474.6	453.0	444.0	446.2	423.5	398.5	375.8	315.7	270.2	252.1	246.4
85°	252.1	236.2	228.2	233.9	229.4	215.7	204.4	163.5	135.1	128.3	124.9
87.5°	79.5	69.3	63.6	84.0	71.5	63.6	61.3	48.8	37.5	37.5	36.3
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°	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6
2.5°	4860.8	4860.8	4816.5	4806.3	4801.8	4807.5	4763.2	4755.2	4818.8	4797.2	4748.4
5°	4822.2	4820.0	4757.5	4746.1	4746.1	4739.3	4689.4	4678.0	4741.6	4723.4	4670.1
7.5°	4774.5	4767.7	4693.9	4686.0	4674.6	4670.1	4614.4	4606.5	4661.0	4649.6	4599.7
10°	4716.6	4709.8	4622.4	4616.7	4604.2	4595.1	4542.9	4537.2	4592.9	4574.7	4535.0
12.5°	4640.6	4628.1	4538.4	4532.7	4522.5	4519.1	4468.0	4465.7	4527.0	4508.8	4466.8
15°	4540.6	4530.4	4430.5	4432.8	4433.9	4433.9	4393.0	4390.8	4450.9	4443.0	4397.6
17.5°	4430.5	4416.9	4321.5	4328.3	4336.3	4345.3	4313.5	4319.2	4382.8	4372.6	4331.7
20°	4305.6	4292.0	4198.9	4218.2	4235.2	4253.4	4232.9	4248.8	4307.9	4303.3	4272.7
22.5°	4165.9	4152.3	4066.0	4095.5	4123.9	4158.0	4148.9	4167.1	4229.5	4228.4	4201.1
25°	3995.6	3999.0	3923.0	3959.3	4007.0	4054.7	4058.1	4087.6	4156.9	4150.0	4125.1
27.5°	3836.7	3841.2	3760.6	3821.9	3885.5	3946.8	3961.6	4002.4	4072.8	4067.2	4045.6
30°	3669.7	3675.4	3597.1	3681.1	3758.3	3833.3	3865.0	3920.7	3992.2	3992.2	3969.5
32.5°	3496.0	3506.2	3424.5	3536.9	3626.6	3714.0	3769.7	3827.6	3909.3	3907.1	3887.8
35°	3317.8	3329.1	3254.2	3397.2	3486.9	3593.7	3662.9	3740.1	3812.8	3813.9	3799.2
37.5°	3136.1	3149.7	3081.6	3238.3	3340.5	3466.5	3555.1	3632.3	3712.9	3717.4	3703.8
40°	2955.6	2970.3	2911.3	3062.3	3191.7	3332.5	3434.7	3525.5	3614.1	3616.4	3607.3
42.5°	2775.0	2790.9	2746.6	2894.2	3040.7	3191.7	3312.1	3415.4	3506.2	3511.9	3501.7
45°	2599.0	2612.7	2580.9	2742.1	2882.9	3047.5	3186.1	3303.0	3395.0	3402.9	3399.5
47.5°	2424.2	2436.7	2408.3	2555.9	2718.2	2893.1	3053.2	3182.6	3280.3	3289.4	3287.1
50°	2252.7	2262.9	2232.3	2386.7	2547.9	2734.1	2901.1	3050.9	3159.9	3169.0	3167.9
52.5°	2082.4	2092.6	2066.5	2228.9	2375.3	2571.8	2753.4	2915.8	3023.7	3037.3	3039.6
55°	1917.8	1922.3	1901.9	2057.4	2199.4	2404.9	2613.8	2771.6	2879.5	2890.8	2897.6
57.5°	1753.1	1754.3	1737.2	1886.0	2022.2	2232.3	2451.4	2617.2	2719.4	2730.7	2741.0
60°	1589.6	1588.5	1569.2	1713.4	1844.0	2051.7	2280.0	2444.6	2543.4	2553.6	2567.2
62.5°	1427.3	1423.8	1406.8	1539.7	1662.3	1867.8	2097.2	2256.1	2350.4	2357.2	2375.3
65°	1266.0	1262.6	1246.7	1369.3	1480.6	1677.0	1901.9	2052.9	2138.0	2147.1	2143.7
67.5°	1107.1	1100.2	1087.8	1197.9	1298.9	1480.6	1696.4	1840.6	1910.9	1918.9	1940.5
70°	948.1	940.1	911.8	1028.7	1117.3	1279.6	1480.6	1608.9	1668.0	1675.9	1672.5
72.5°	791.4	783.5	752.8	860.7	935.6	1077.5	1256.9	1363.7	1414.8	1421.6	1421.6
75°	639.3	634.7	615.4	697.2	759.6	875.4	1027.6	1116.1	1155.9	1163.8	1161.6
77.5°	492.8	489.4	470.1	540.5	589.3	675.6	798.2	867.5	897.0	906.1	925.4
80°	353.1	352.0	321.3	390.6	412.2	484.8	574.5	627.9	643.8	656.3	669.9
82.5°	226.0	227.1	196.4	255.5	264.6	311.1	366.7	399.7	411.0	421.2	431.5
85°	110.1	114.7	97.6	135.1	136.3	160.1	183.9	196.4	201.0	208.9	218.0
87.5°	28.4	32.9	18.2	38.6	34.1	44.3	51.1	54.5	53.4	59.0	62.4
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°	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6
2.5°	4764.3	4800.6	4782.5	4841.5	4864.2	4827.9	4891.5	4892.6	4847.2	4900.6	4930.1
5°	4690.5	4728.0	4716.6	4777.9	4806.3	4774.5	4851.7	4866.5	4822.2	4882.4	4930.1
7.5°	4615.6	4659.9	4645.1	4707.5	4741.6	4716.6	4799.5	4823.4	4789.3	4855.2	4918.7
10°	4550.9	4588.3	4572.4	4638.3	4667.8	4647.4	4729.1	4773.4	4741.6	4822.2	4898.3
12.5°	4487.3	4517.9	4499.8	4554.3	4582.6	4556.5	4656.4	4697.3	4674.6	4758.6	4856.3
15°	4405.5	4439.6	4414.6	4463.4	4485.0	4462.3	4544.0	4614.4	4586.1	4678.0	4785.9
17.5°	4343.1	4362.4	4328.3	4366.9	4379.4	4348.7	4431.6	4500.9	4480.5	4580.4	4705.3
20°	4273.8	4289.7	4242.0	4263.6	4262.4	4223.8	4299.9	4368.0	4354.4	4464.6	4606.5
22.5°	4196.6	4204.5	4148.9	4153.4	4151.2	4087.6	4155.7	4225.0	4219.3	4330.6	4489.5
25°	4114.8	4116.0	4044.4	4042.2	4017.2	3942.3	4002.4	4080.8	4063.7	4184.1	4351.0
27.5°	4034.2	4022.9	3936.6	3916.1	3876.4	3786.7	3840.1	3910.5	3900.2	4018.3	4203.4
30°	3947.9	3933.2	3827.6	3790.1	3732.2	3628.9	3673.2	3739.0	3744.7	3848.0	4042.2
32.5°	3866.2	3828.7	3711.8	3657.3	3584.6	3464.2	3488.1	3555.1	3564.2	3668.6	3868.5
35°	3760.6	3735.6	3591.4	3498.3	3426.8	3295.1	3320.0	3366.6	3380.2	3482.4	3685.6
37.5°	3660.7	3620.9	3467.6	3354.1	3262.1	3123.6	3130.4	3178.1	3191.7	3295.1	3496.0
40°	3557.3	3500.6	3335.9	3203.1	3097.5	2952.1	2944.2	2994.2	3004.4	3105.4	3287.1
42.5°	3447.2	3379.1	3194.0	3048.7	2927.2	2779.6	2763.7	2806.8	2818.2	2917.0	3095.2
45°	3335.9	3254.2	3048.7	2889.7	2756.9	2605.8	2589.9	2622.9	2639.9	2733.0	2904.5
47.5°	3217.8	3122.5	2898.8	2721.7	2584.3	2433.3	2413.9	2446.9	2460.5	2552.5	2714.8
50°	3094.1	2978.3	2744.4	2549.1	2412.8	2264.1	2235.7	2274.3	2286.8	2373.1	2532.0
52.5°	2957.8	2829.5	2579.7	2375.3	2239.1	2097.2	2063.1	2100.6	2115.3	2199.4	2345.8
55°	2813.6	2675.1	2413.9	2215.2	2067.6	1929.1	1900.7	1915.5	1947.3	2026.8	2163.0
57.5°	2651.3	2513.9	2239.1	2037.0	1895.1	1762.2	1738.4	1752.0	1781.5	1858.7	1981.3
60°	2478.7	2333.3	2060.8	1858.7	1721.3	1595.3	1573.7	1586.2	1618.0	1688.4	1801.9
62.5°	2308.4	2144.9	1876.9	1675.9	1551.0	1434.1	1428.4	1423.8	1453.4	1521.5	1621.4
65°	2101.7	1945.0	1685.0	1494.2	1380.7	1275.1	1252.4	1262.6	1291.0	1353.4	1457.9
67.5°	1880.3	1738.4	1488.6	1312.6	1211.5	1117.3	1098.0	1102.5	1132.0	1186.5	1277.4
70°	1645.3	1520.4	1287.6	1129.8	1044.6	956.0	943.6	944.7	973.1	1020.8	1100.2
72.5°	1398.9	1286.5	1084.3	949.2	878.8	815.2	803.9	790.3	816.4	857.3	925.4
75°	1147.9	1049.1	882.2	772.1	716.5	663.1	652.9	639.3	665.4	700.6	753.9
77.5°	894.7	815.2	685.8	600.6	557.5	517.8	508.7	493.9	520.0	546.1	588.2
80°	647.2	589.3	512.1	422.4	407.6	381.5	372.4	356.5	381.5	398.5	430.3
82.5°	417.8	379.2	335.0	272.5	270.2	250.9	246.4	228.2	250.9	261.2	285.0
85°	211.2	193.0	181.7	138.5	143.1	130.6	129.4	110.1	128.3	132.8	146.5
87.5°	60.2	63.6	56.8	34.1	43.1	40.9	40.9	29.5	40.9	40.9	46.6
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: P838103

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5LO-35-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6	4867.6
2.5°	4872.2	4891.5	4896.0	4894.9	4907.4	4975.5	4952.8	4975.5
5°	4883.5	4926.7	4938.0	4953.9	4974.4	5051.6	5026.6	5053.9
7.5°	4890.3	4955.1	4980.0	5010.7	5043.6	5129.9	5109.5	5136.7
10°	4890.3	4974.4	5010.7	5061.8	5106.1	5206.0	5186.7	5218.5
12.5°	4869.9	4977.8	5028.9	5100.4	5157.2	5265.0	5257.1	5279.8
15°	4827.9	4960.7	5031.1	5123.1	5193.5	5313.9	5310.5	5337.7
17.5°	4771.1	4931.2	5016.4	5132.2	5220.8	5355.9	5363.8	5378.6
20°	4699.6	4875.6	4986.9	5128.8	5240.1	5388.8	5399.0	5419.5
22.5°	4605.4	4808.6	4942.6	5114.0	5242.3	5402.4	5420.6	5439.9
25°	4494.1	4728.0	4884.7	5085.6	5231.0	5401.3	5426.3	5443.3
27.5°	4366.9	4623.5	4810.9	5040.2	5199.2	5383.1	5413.8	5434.2
30°	4219.3	4512.2	4726.8	4981.2	5156.0	5349.1	5382.0	5402.4
32.5°	4067.2	4389.6	4626.9	4905.1	5093.6	5294.6	5323.0	5338.8
35°	3901.4	4240.9	4506.6	4807.5	5013.0	5207.1	5228.7	5245.7
37.5°	3720.8	4079.6	4369.2	4697.3	4899.4	5085.6	5104.9	5124.3
40°	3534.6	3910.5	4214.8	4562.2	4764.3	4936.9	4957.3	4971.0
42.5°	3347.3	3723.1	4050.1	4403.2	4604.2	4770.0	4782.5	4796.1
45°	3157.7	3529.0	3865.0	4227.3	4426.0	4581.5	4586.1	4597.4
47.5°	2964.6	3328.0	3661.8	4026.3	4222.7	4364.6	4369.2	4378.3
50°	2770.5	3127.0	3444.9	3809.4	4001.3	4151.2	4130.7	4139.8
52.5°	2579.7	2915.8	3240.6	3575.5	3765.1	3898.0	3903.6	3885.5
55°	2392.4	2709.2	3007.8	3330.3	3510.8	3614.1	3610.7	3617.5
57.5°	2202.8	2500.2	2773.9	3069.1	3245.1	3342.7	3363.2	3339.3
60°	2009.7	2289.1	2534.3	2801.1	2971.5	3053.2	3077.0	3054.3
62.5°	1817.8	2074.5	2297.0	2529.8	2687.6	2788.6	2786.4	2761.4
65°	1626.0	1858.7	2057.4	2255.0	2392.4	2493.4	2488.9	2466.2
67.5°	1448.8	1640.7	1819.0	1979.1	2098.3	2167.6	2191.4	2164.2
70°	1253.5	1419.3	1576.0	1704.3	1803.1	1865.5	1888.2	1864.4
72.5°	1058.2	1199.0	1309.2	1432.9	1509.0	1561.2	1585.1	1562.4
75°	865.2	981.0	1070.7	1167.2	1220.6	1264.9	1292.1	1269.4
77.5°	677.9	767.6	839.1	909.5	970.8	981.0	1004.9	990.1
80°	499.6	564.3	616.5	663.1	707.4	711.9	731.2	722.1
82.5°	332.7	375.8	389.5	438.3	466.7	462.1	481.4	474.6
85°	176.0	202.1	226.0	240.7	256.6	241.8	258.9	252.1
87.5°	59.0	62.4	54.5	77.2	85.2	72.7	82.9	79.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)