

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: P838232

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6LO-40-120-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: P838232
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-LD4-6LO-40-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

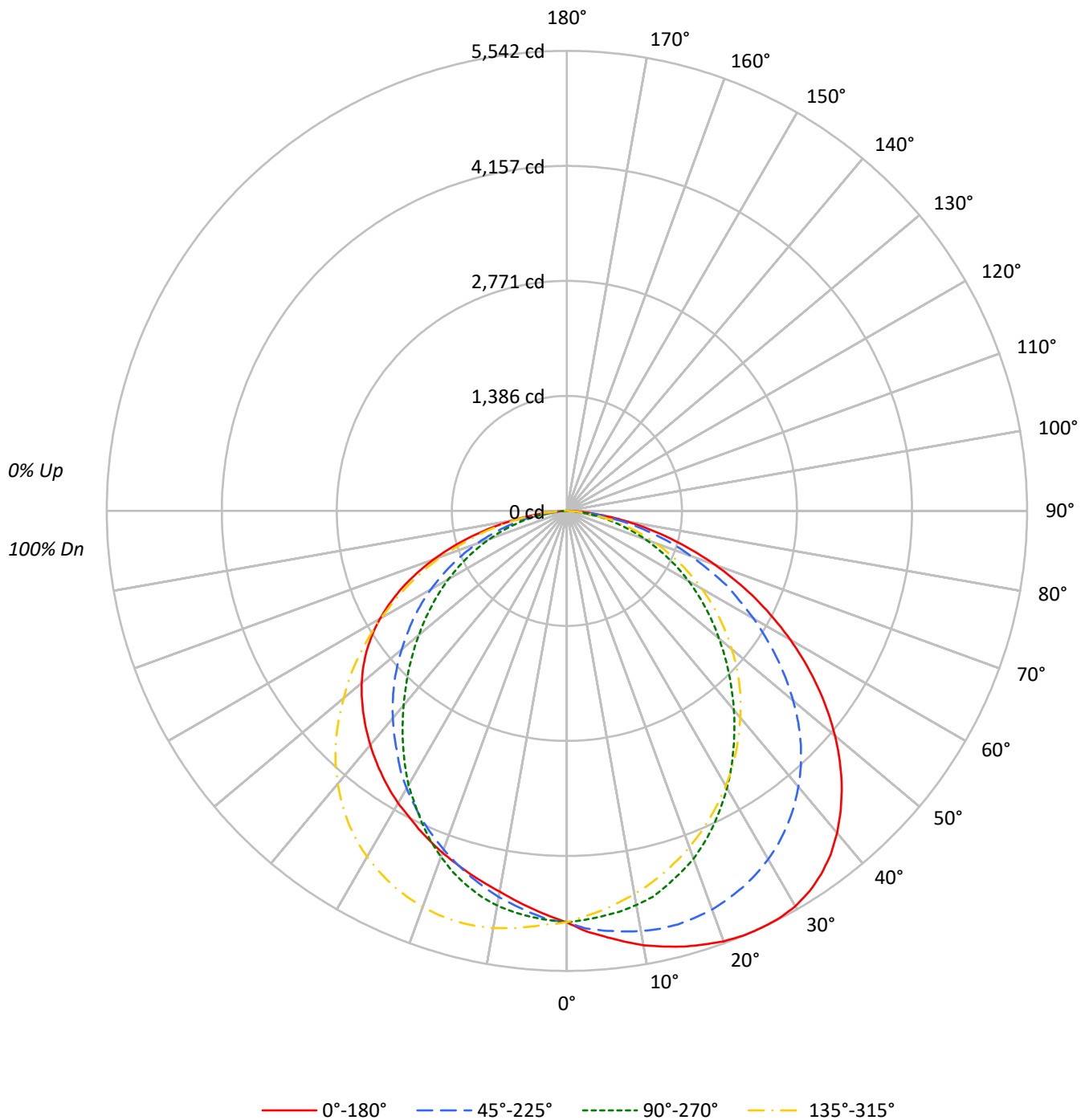
Lumens per Lamp: N/A
Luminaire Lumens: 14541.1 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 140.4
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70		
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59		
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6669	6669	6669	6669
5°	6950	6621	6496	6632
10°	7260	6587	6364	6596
15°	7571	6503	6302	6505
20°	7901	6385	6274	6348
25°	8228	6206	6273	6143
30°	8546	5990	6315	5924
35°	8773	5744	6379	5653
40°	8890	5497	6468	5373
45°	8907	5247	6593	5115
50°	8823	5007	6754	4874
55°	8640	4784	6905	4651
60°	8369	4552	6997	4433
65°	7995	4284	6960	4185
70°	7468	3971	6713	3898
75°	6719	3540	6160	3522
80°	5697	2965	5177	3010
85°	3963	1964	3284	2016

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.6	3.2
10°-20°	1362.7	9.4
20°-30°	2088.3	14.4
30°-40°	2539.3	17.5
40°-50°	2639.7	18.2
50°-60°	2384.5	16.4
60°-70°	1812.8	12.5
70°-80°	1010.6	7.0
80°-90°	232.7	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°	3921.5	27.0
0°-40°	6460.8	44.4
0°-60°	11485.0	79.0
0°-90°	14541.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14541.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4956	4956	4956	4956	4956	
5°	5146	4902	4810	4910	5146	496
15°	5435	4668	4524	4670	5435	1541
25°	5542	4180	4226	4138	5542	2560
35°	5341	3497	3883	3442	5341	3336
45°	4681	2757	3465	2688	4681	3604
55°	3683	2039	2944	1983	3683	3288
65°	2511	1346	2186	1314	2511	2481
75°	1292	681	1185	678	1292	1373
85°	257	127	213	131	257	323
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°	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3
2.5°	5066.1	4992.1	4993.3	5058.0	5008.3	5032.6	4963.2	4989.8	4981.7	4987.5	4930.9
5°	5145.9	5066.1	5065.0	5120.5	5065.0	5075.4	4987.5	5004.9	4979.4	4963.2	4902.0
7.5°	5230.3	5150.5	5142.4	5191.0	5118.2	5110.1	5013.0	5013.0	4966.7	4926.2	4868.4
10°	5313.5	5231.5	5221.1	5258.0	5167.9	5141.3	5023.4	5004.9	4943.6	4883.5	4821.0
12.5°	5376.0	5292.7	5284.6	5307.8	5206.0	5157.5	5023.4	4987.5	4897.3	4812.9	4764.4
15°	5434.9	5349.4	5327.4	5339.0	5222.2	5157.5	5007.2	4951.7	4836.1	4725.1	4668.4
17.5°	5476.6	5394.5	5372.5	5371.3	5230.3	5137.8	4972.5	4896.2	4757.4	4623.3	4566.7
20°	5518.2	5436.1	5408.3	5387.5	5228.0	5111.2	4921.6	4818.7	4656.9	4506.6	4459.2
22.5°	5539.0	5454.6	5424.5	5393.3	5213.0	5062.7	4859.2	4728.5	4543.6	4364.4	4325.1
25°	5542.5	5455.7	5423.4	5378.3	5182.9	5004.9	4778.3	4619.9	4412.9	4214.1	4180.5
27.5°	5533.2	5438.4	5406.0	5351.7	5137.8	4934.3	4682.3	4496.2	4274.2	4054.5	4018.7
30°	5500.8	5404.9	5373.7	5303.1	5074.2	4847.6	4577.1	4358.6	4120.4	3886.9	3855.7
32.5°	5436.1	5342.4	5317.0	5246.5	5004.9	4747.0	4454.5	4210.6	3950.5	3727.3	3681.1
35°	5341.3	5247.6	5231.5	5157.5	4907.7	4626.8	4320.4	4048.7	3770.1	3542.4	3497.3
37.5°	5217.6	5139.0	5114.7	5041.9	4793.3	4490.4	4166.7	3873.0	3586.3	3341.2	3313.4
40°	5061.5	4987.5	4969.0	4904.3	4660.3	4338.9	4000.2	3691.5	3396.7	3168.9	3129.6
42.5°	4883.5	4814.1	4803.7	4736.6	4496.2	4171.3	3819.8	3503.1	3199.0	2979.3	2940.0
45°	4681.1	4614.1	4611.8	4548.2	4317.0	3985.2	3630.2	3312.3	3005.9	2778.2	2757.4
47.5°	4458.0	4397.9	4397.9	4338.9	4117.0	3780.5	3434.8	3113.4	2811.7	2610.5	2573.5
50°	4215.2	4158.6	4141.2	4112.3	3896.1	3557.4	3229.1	2919.2	2619.8	2427.9	2392.0
52.5°	3956.3	3907.7	3919.3	3866.1	3656.8	3325.0	3021.0	2700.7	2426.7	2252.1	2216.3
55°	3683.4	3614.0	3624.4	3604.8	3407.1	3085.7	2787.4	2520.3	2237.1	2072.9	2039.4
57.5°	3400.2	3310.0	3347.0	3335.4	3141.2	2840.6	2573.5	2315.7	2048.7	1897.2	1864.8
60°	3110.0	3023.3	3061.4	3051.0	2868.3	2595.5	2352.7	2113.4	1861.4	1723.8	1691.4
62.5°	2811.7	2731.9	2766.6	2758.5	2590.9	2344.6	2133.0	1913.4	1672.9	1549.2	1519.1
65°	2511.1	2434.8	2466.0	2460.2	2305.3	2118.0	1907.6	1706.4	1483.3	1375.8	1345.7
67.5°	2203.6	2133.0	2162.0	2162.0	2019.7	1840.5	1681.0	1497.2	1297.2	1204.7	1176.9
70°	1898.4	1832.5	1857.9	1855.6	1735.3	1589.7	1452.1	1287.9	1108.7	1032.4	1009.3
72.5°	1590.8	1533.0	1556.1	1553.8	1453.2	1359.6	1223.2	1081.0	924.9	863.6	842.8
75°	1292.5	1238.2	1260.2	1257.9	1175.8	1087.9	996.6	878.7	744.5	701.8	681.0
77.5°	1008.1	952.6	971.1	971.1	911.0	847.4	774.6	683.3	588.5	542.2	527.2
80°	735.3	708.7	699.5	700.6	660.1	618.5	581.5	493.7	424.3	393.1	382.7
82.5°	483.3	461.3	452.0	454.4	431.2	405.8	382.7	321.4	275.2	256.7	250.9
85°	256.7	240.5	232.4	238.2	233.5	219.7	208.1	166.5	137.6	130.6	127.2
87.5°	80.9	70.5	64.7	85.6	72.8	64.7	62.4	49.7	38.2	38.2	37.0
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°	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3
2.5°	4949.4	4949.4	4904.3	4893.9	4889.2	4895.0	4849.9	4841.8	4906.6	4884.6	4834.9
5°	4910.1	4907.7	4844.2	4832.6	4832.6	4825.7	4774.8	4763.2	4828.0	4809.5	4755.1
7.5°	4861.5	4854.6	4779.4	4771.3	4759.8	4755.1	4698.5	4690.4	4745.9	4734.3	4683.5
10°	4802.5	4795.6	4706.6	4700.8	4688.1	4678.8	4625.6	4619.9	4676.5	4658.0	4617.6
12.5°	4725.1	4712.4	4621.0	4615.2	4604.8	4601.4	4549.3	4547.0	4609.5	4591.0	4548.2
15°	4623.3	4612.9	4511.2	4513.5	4514.7	4514.7	4473.0	4470.7	4532.0	4523.9	4477.7
17.5°	4511.2	4497.3	4400.2	4407.1	4415.2	4424.5	4392.1	4397.9	4462.6	4452.2	4410.6
20°	4384.0	4370.1	4275.3	4295.0	4312.3	4330.8	4310.0	4326.2	4386.3	4381.7	4350.5
22.5°	4241.8	4227.9	4140.1	4170.1	4199.0	4233.7	4224.5	4243.0	4306.6	4305.4	4277.7
25°	4068.4	4071.9	3994.4	4031.4	4080.0	4128.5	4132.0	4162.0	4232.6	4225.6	4200.2
27.5°	3906.5	3911.2	3829.1	3891.5	3956.3	4018.7	4033.7	4075.3	4147.0	4141.2	4119.3
30°	3736.6	3742.4	3662.6	3748.2	3826.8	3903.1	3935.4	3992.1	4064.9	4064.9	4041.8
32.5°	3559.7	3570.1	3486.9	3601.3	3692.7	3781.7	3838.3	3897.3	3980.5	3978.2	3958.6
35°	3378.2	3389.8	3313.4	3459.1	3550.5	3659.1	3729.7	3808.3	3882.3	3883.4	3868.4
37.5°	3193.2	3207.1	3137.7	3297.3	3401.3	3529.6	3619.8	3698.4	3780.5	3785.1	3771.3
40°	3009.4	3024.4	2964.3	3118.1	3249.9	3393.2	3497.3	3589.8	3679.9	3682.3	3673.0
42.5°	2825.6	2841.8	2796.7	2947.0	3096.1	3249.9	3372.4	3477.6	3570.1	3575.9	3565.5
45°	2646.4	2660.2	2627.9	2792.0	2935.4	3103.0	3244.1	3363.2	3456.8	3464.9	3461.4
47.5°	2468.3	2481.0	2452.1	2602.4	2767.8	2945.8	3108.8	3240.6	3340.0	3349.3	3347.0
50°	2293.7	2304.2	2272.9	2430.2	2594.3	2783.9	2953.9	3106.5	3217.5	3226.7	3225.6
52.5°	2120.3	2130.7	2104.1	2269.5	2418.6	2618.6	2803.6	2968.9	3078.8	3092.6	3094.9
55°	1952.7	1957.3	1936.5	2094.9	2239.4	2448.7	2661.4	2822.1	2931.9	2943.5	2950.4
57.5°	1785.1	1786.2	1768.9	1920.3	2059.1	2272.9	2496.1	2664.9	2768.9	2780.5	2790.9
60°	1618.6	1617.4	1597.8	1744.6	1877.5	2089.1	2321.5	2489.1	2589.7	2600.1	2614.0
62.5°	1453.2	1449.8	1432.4	1567.7	1692.6	1901.8	2135.4	2297.2	2393.2	2400.1	2418.6
65°	1289.1	1285.6	1269.4	1394.3	1507.6	1707.6	1936.5	2090.3	2177.0	2186.2	2182.8
67.5°	1127.2	1120.3	1107.6	1219.7	1322.6	1507.6	1727.2	1874.1	1945.8	1953.8	1975.8
70°	965.4	957.3	928.4	1047.4	1137.6	1303.0	1507.6	1638.2	1698.3	1706.4	1703.0
72.5°	805.8	797.7	766.5	876.3	952.6	1097.2	1279.8	1388.5	1440.5	1447.5	1447.5
75°	650.9	646.3	626.6	709.9	773.4	891.4	1046.3	1136.5	1176.9	1185.0	1182.7
77.5°	501.8	498.3	478.6	550.3	600.0	687.9	812.8	883.3	913.3	922.6	942.2
80°	359.6	358.4	327.2	397.7	419.7	493.7	585.0	639.3	655.5	668.2	682.1
82.5°	230.1	231.2	200.0	260.1	269.4	316.8	373.4	407.0	418.5	428.9	439.3
85°	112.1	116.8	99.4	137.6	138.7	163.0	187.3	200.0	204.6	212.7	222.0
87.5°	28.9	33.5	18.5	39.3	34.7	45.1	52.0	55.5	54.3	60.1	63.6
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3
2.5°	4851.1	4888.1	4869.6	4929.7	4952.8	4915.8	4980.6	4981.7	4935.5	4989.8	5019.9
5°	4775.9	4814.1	4802.5	4865.0	4893.9	4861.5	4940.1	4955.1	4910.1	4971.3	5019.9
7.5°	4699.6	4744.7	4729.7	4793.3	4828.0	4802.5	4886.9	4911.2	4876.5	4943.6	5008.3
10°	4633.7	4671.9	4655.7	4722.8	4752.8	4732.0	4815.3	4860.3	4828.0	4910.1	4987.5
12.5°	4569.0	4600.2	4581.7	4637.2	4666.1	4639.5	4741.3	4782.9	4759.8	4845.3	4944.7
15°	4485.8	4520.4	4495.0	4544.7	4566.7	4543.6	4626.8	4698.5	4669.6	4763.2	4873.1
17.5°	4422.2	4441.8	4407.1	4446.5	4459.2	4428.0	4512.3	4582.9	4562.1	4663.8	4791.0
20°	4351.6	4367.8	4319.3	4341.2	4340.1	4300.8	4378.2	4447.6	4433.7	4545.9	4690.4
22.5°	4273.0	4281.1	4224.5	4229.1	4226.8	4162.0	4231.4	4301.9	4296.2	4409.5	4571.3
25°	4189.8	4190.9	4118.1	4115.8	4090.4	4014.1	4075.3	4155.1	4137.8	4260.3	4430.3
27.5°	4107.7	4096.1	4008.3	3987.5	3947.0	3855.7	3910.0	3981.7	3971.3	4091.5	4280.0
30°	4019.8	4004.8	3897.3	3859.1	3800.2	3695.0	3740.1	3807.1	3812.9	3918.1	4115.8
32.5°	3936.6	3898.4	3779.4	3723.9	3649.9	3527.3	3551.6	3619.8	3629.1	3735.4	3938.9
35°	3829.1	3803.6	3656.8	3562.0	3489.2	3355.1	3380.5	3427.9	3441.8	3545.8	3752.8
37.5°	3727.3	3686.9	3530.8	3415.2	3321.5	3180.5	3187.4	3236.0	3249.9	3355.1	3559.7
40°	3622.1	3564.3	3396.7	3261.4	3153.9	3005.9	2997.8	3048.7	3059.1	3162.0	3347.0
42.5°	3510.0	3440.6	3252.2	3104.2	2980.5	2830.2	2814.0	2857.9	2869.5	2970.1	3151.6
45°	3396.7	3313.4	3104.2	2942.3	2807.1	2653.3	2637.1	2670.6	2688.0	2782.8	2957.4
47.5°	3276.5	3179.3	2951.6	2771.2	2631.3	2477.6	2457.9	2491.4	2505.3	2599.0	2764.3
50°	3150.4	3032.5	2794.4	2595.5	2456.8	2305.3	2276.4	2315.7	2328.4	2416.3	2578.2
52.5°	3011.7	2881.1	2626.7	2418.6	2279.9	2135.4	2100.7	2138.8	2153.9	2239.4	2388.6
55°	2864.9	2723.8	2457.9	2255.6	2105.3	1964.3	1935.4	1950.4	1982.8	2063.7	2202.4
57.5°	2699.5	2559.7	2279.9	2074.1	1929.6	1794.3	1770.0	1783.9	1814.0	1892.6	2017.4
60°	2523.8	2375.8	2098.4	1892.6	1752.7	1624.4	1602.4	1615.1	1647.5	1719.2	1834.8
62.5°	2350.4	2183.9	1911.1	1706.4	1579.3	1460.2	1454.4	1449.8	1479.8	1549.2	1650.9
65°	2140.0	1980.4	1715.7	1521.5	1405.8	1298.3	1275.2	1285.6	1314.5	1378.1	1484.5
67.5°	1914.5	1770.0	1515.7	1336.5	1233.6	1137.6	1118.0	1122.6	1152.7	1208.1	1300.6
70°	1675.2	1548.0	1311.0	1150.3	1063.6	973.5	960.7	961.9	990.8	1039.4	1120.3
72.5°	1424.3	1309.9	1104.1	966.5	894.8	830.1	818.5	804.7	831.3	872.9	942.2
75°	1168.8	1068.3	898.3	786.2	729.5	675.2	664.8	650.9	677.5	713.3	767.7
77.5°	911.0	830.1	698.3	611.6	567.7	527.2	517.9	502.9	529.5	556.1	598.9
80°	659.0	600.0	521.4	430.1	415.0	388.5	379.2	363.0	388.5	405.8	438.2
82.5°	425.5	386.1	341.1	277.5	275.2	255.5	250.9	232.4	255.5	265.9	290.2
85°	215.0	196.5	185.0	141.0	145.7	133.0	131.8	112.1	130.6	135.3	149.1
87.5°	61.3	64.7	57.8	34.7	43.9	41.6	41.6	30.1	41.6	41.6	47.4
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: P838232

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-6LO-40-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3	4956.3
2.5°	4960.9	4980.6	4985.2	4984.0	4996.8	5066.1	5043.0	5066.1
5°	4972.5	5016.4	5028.0	5044.2	5065.0	5143.6	5118.2	5145.9
7.5°	4979.4	5045.3	5070.8	5102.0	5135.5	5223.4	5202.6	5230.3
10°	4979.4	5065.0	5102.0	5154.0	5199.1	5300.8	5281.2	5313.5
12.5°	4958.6	5068.4	5120.5	5193.3	5251.1	5360.9	5352.9	5376.0
15°	4915.8	5051.1	5122.8	5216.4	5288.1	5410.7	5407.2	5434.9
17.5°	4858.0	5021.0	5107.8	5225.7	5315.9	5453.4	5461.5	5476.6
20°	4785.2	4964.4	5077.7	5222.2	5335.5	5487.0	5497.4	5518.2
22.5°	4689.2	4896.2	5032.6	5207.2	5337.8	5500.8	5519.3	5539.0
25°	4575.9	4814.1	4973.6	5178.3	5326.3	5499.7	5525.1	5542.5
27.5°	4446.5	4707.7	4898.5	5132.0	5293.9	5481.2	5512.4	5533.2
30°	4296.2	4594.4	4812.9	5071.9	5250.0	5446.5	5480.0	5500.8
32.5°	4141.2	4469.6	4711.2	4994.5	5186.4	5391.0	5419.9	5436.1
35°	3972.4	4318.1	4588.7	4895.0	5104.3	5302.0	5323.9	5341.3
37.5°	3788.6	4154.0	4448.8	4782.9	4988.7	5178.3	5197.9	5217.6
40°	3599.0	3981.7	4291.5	4645.3	4851.1	5026.8	5047.6	5061.5
42.5°	3408.3	3790.9	4123.9	4483.4	4688.1	4856.9	4869.6	4883.5
45°	3215.2	3593.2	3935.4	4304.2	4506.6	4665.0	4669.6	4681.1
47.5°	3018.6	3388.6	3728.5	4099.6	4299.6	4444.1	4448.8	4458.0
50°	2820.9	3184.0	3507.7	3878.8	4074.2	4226.8	4206.0	4215.2
52.5°	2626.7	2968.9	3299.6	3640.6	3833.7	3969.0	3974.8	3956.3
55°	2436.0	2758.5	3062.6	3390.9	3574.7	3679.9	3676.5	3683.4
57.5°	2242.9	2545.8	2824.4	3125.0	3304.2	3403.6	3424.4	3400.2
60°	2046.3	2330.7	2580.5	2852.2	3025.6	3108.8	3133.1	3110.0
62.5°	1851.0	2112.2	2338.8	2575.8	2736.5	2839.4	2837.1	2811.7
65°	1655.6	1892.6	2094.9	2296.1	2436.0	2538.8	2534.2	2511.1
67.5°	1475.2	1670.6	1852.1	2015.1	2136.5	2207.0	2231.3	2203.6
70°	1276.4	1445.2	1604.7	1735.3	1835.9	1899.5	1922.6	1898.4
72.5°	1077.5	1220.9	1333.0	1459.0	1536.5	1589.7	1613.9	1590.8
75°	881.0	998.9	1090.2	1188.5	1242.8	1287.9	1315.7	1292.5
77.5°	690.2	781.5	854.4	926.1	988.5	998.9	1023.2	1008.1
80°	508.7	574.6	627.8	675.2	720.3	724.9	744.5	735.3
82.5°	338.7	382.7	396.6	446.3	475.2	470.5	490.2	483.3
85°	179.2	205.8	230.1	245.1	261.3	246.3	263.6	256.7
87.5°	60.1	63.6	55.5	78.6	86.7	74.0	84.4	80.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)