

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: P838121

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5LO-40-120-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: P838121
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-40-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

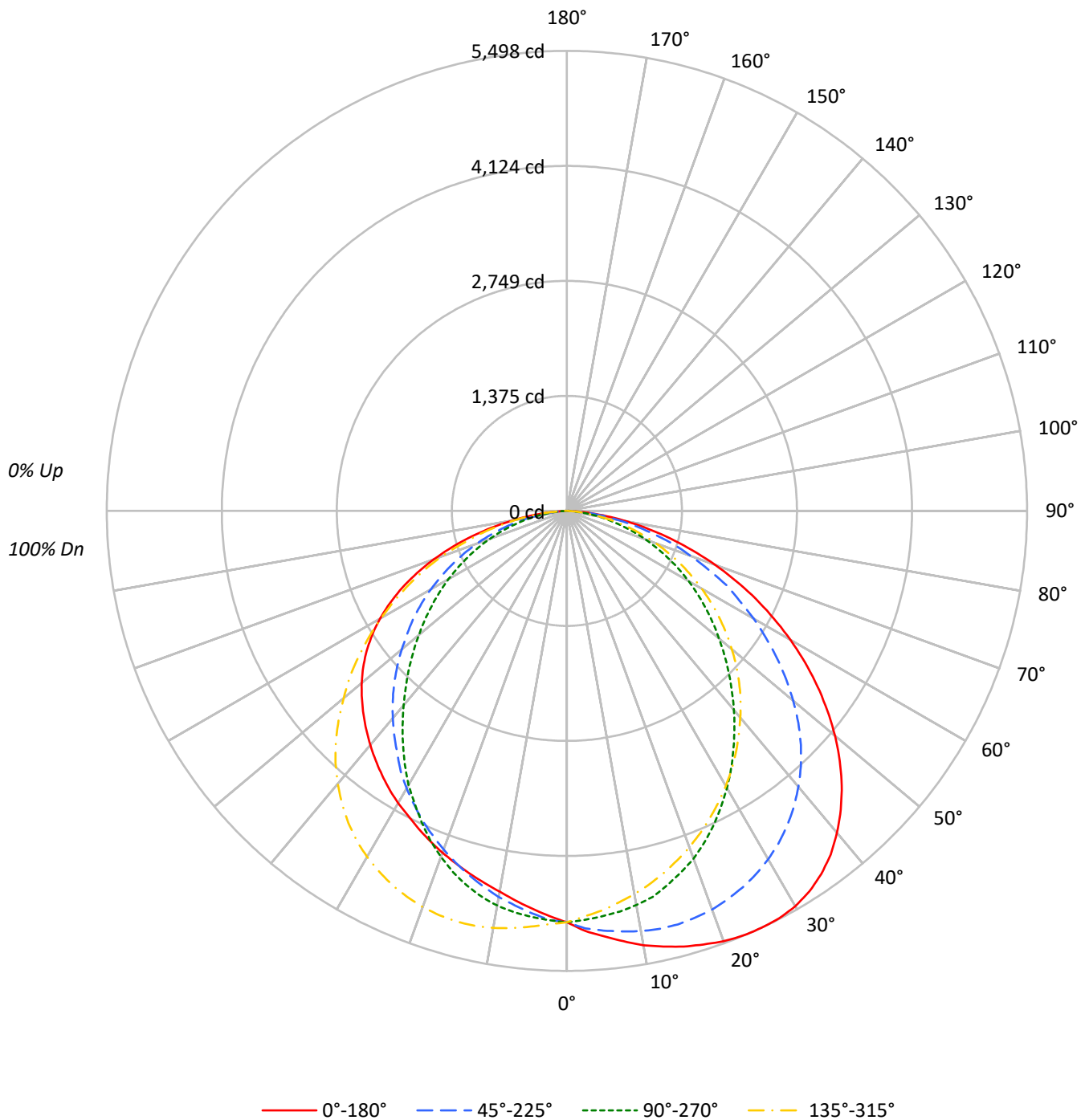
Lumens per Lamp: N/A
Luminaire Lumens: 14425.2 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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



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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°	6616	6616	6616	6616
5°	6895	6568	6444	6579
10°	7202	6534	6313	6544
15°	7510	6451	6251	6453
20°	7838	6334	6224	6298
25°	8163	6157	6223	6094
30°	8478	5943	6265	5877
35°	8703	5699	6328	5608
40°	8819	5453	6416	5330
45°	8836	5205	6541	5074
50°	8753	4967	6700	4835
55°	8572	4746	6850	4614
60°	8302	4515	6941	4398
65°	7931	4250	6905	4152
70°	7408	3939	6659	3867
75°	6666	3512	6111	3494
80°	5652	2941	5136	2986
85°	3930	1948	3257	2001

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.8	3.2
10°-20°	1351.8	9.4
20°-30°	2071.7	14.4
30°-40°	2519.0	17.5
40°-50°	2618.7	18.2
50°-60°	2365.5	16.4
60°-70°	1798.4	12.5
70°-80°	1002.6	7.0
80°-90°	230.8	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°	3890.3	27.0
0°-40°	6409.3	44.4
0°-60°	11393.5	79.0
0°-90°	14425.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14425.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4917	4917	4917	4917	4917	
5°	5105	4863	4771	4871	5105	492
15°	5392	4631	4488	4632	5392	1529
25°	5498	4147	4192	4105	5498	2540
35°	5299	3469	3852	3414	5299	3309
45°	4644	2735	3437	2667	4644	3575
55°	3654	2023	2920	1967	3654	3262
65°	2491	1335	2169	1304	2491	2462
75°	1282	676	1176	672	1282	1362
85°	255	126	211	130	255	321
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°	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8
2.5°	5025.8	4952.4	4953.5	5017.7	4968.4	4992.5	4923.7	4950.1	4942.0	4947.8	4891.6
5°	5104.9	5025.8	5024.6	5079.7	5024.6	5034.9	4947.8	4965.0	4939.7	4923.7	4862.9
7.5°	5188.6	5109.5	5101.5	5149.6	5077.4	5069.3	4973.0	4973.0	4927.1	4887.0	4829.6
10°	5271.2	5189.8	5179.5	5216.2	5126.7	5100.3	4983.3	4965.0	4904.2	4844.6	4782.6
12.5°	5333.1	5250.6	5242.5	5265.5	5164.5	5116.4	4983.3	4947.8	4858.3	4774.6	4726.4
15°	5391.6	5306.8	5285.0	5296.4	5180.6	5116.4	4967.3	4912.2	4797.5	4687.4	4631.2
17.5°	5432.9	5351.5	5329.7	5328.5	5188.6	5096.9	4932.9	4857.2	4719.5	4586.5	4530.3
20°	5474.2	5392.8	5365.3	5344.6	5186.3	5070.5	4882.4	4780.3	4619.8	4470.7	4423.6
22.5°	5494.9	5411.1	5381.3	5350.3	5171.4	5022.3	4820.5	4690.9	4507.4	4329.6	4290.6
25°	5498.3	5412.3	5380.2	5335.4	5141.6	4965.0	4740.2	4583.1	4377.8	4180.5	4147.2
27.5°	5489.1	5395.1	5363.0	5309.1	5096.9	4895.0	4645.0	4460.3	4240.1	4022.2	3986.7
30°	5457.0	5361.8	5330.8	5260.9	5033.8	4809.0	4540.6	4323.9	4087.6	3855.9	3824.9
32.5°	5392.8	5299.9	5274.6	5204.7	4965.0	4709.2	4419.0	4177.1	3919.0	3697.6	3651.8
35°	5298.7	5205.8	5189.8	5116.4	4868.6	4589.9	4286.0	4016.5	3740.1	3514.1	3469.4
37.5°	5176.0	5098.0	5073.9	5001.7	4755.1	4454.6	4133.5	3842.2	3557.7	3314.6	3287.0
40°	5021.2	4947.8	4929.4	4865.2	4623.2	4304.4	3968.3	3662.1	3369.6	3143.7	3104.7
42.5°	4844.6	4775.7	4765.4	4698.9	4460.3	4138.1	3789.4	3475.1	3173.5	2955.6	2916.6
45°	4643.8	4577.3	4575.0	4511.9	4282.6	3953.4	3601.3	3285.9	2982.0	2756.0	2735.4
47.5°	4422.5	4362.9	4362.9	4304.4	4084.2	3750.4	3407.5	3088.6	2789.3	2589.7	2553.0
50°	4181.6	4125.4	4108.2	4079.6	3865.1	3529.0	3203.3	2896.0	2598.9	2408.5	2373.0
52.5°	3924.7	3876.6	3888.0	3835.3	3627.7	3298.5	2996.9	2679.2	2407.4	2234.2	2198.6
55°	3654.1	3585.2	3595.6	3576.1	3379.9	3061.1	2765.2	2500.3	2219.3	2056.4	2023.2
57.5°	3373.1	3283.6	3320.3	3308.8	3116.2	2818.0	2553.0	2297.3	2032.3	1882.1	1850.0
60°	3085.2	2999.2	3037.0	3026.7	2845.5	2574.8	2334.0	2096.6	1846.5	1710.0	1677.9
62.5°	2789.3	2710.2	2744.6	2736.5	2570.2	2325.9	2116.1	1898.1	1659.6	1536.9	1507.0
65°	2491.1	2415.4	2446.4	2440.6	2286.9	2101.1	1892.4	1692.8	1471.5	1364.8	1335.0
67.5°	2186.0	2116.1	2144.7	2144.7	2003.7	1825.9	1667.6	1485.2	1286.8	1195.1	1167.6
70°	1883.2	1817.9	1843.1	1840.8	1721.5	1577.0	1440.5	1277.7	1099.9	1024.2	1001.3
72.5°	1578.1	1520.8	1543.7	1541.4	1441.7	1348.8	1213.4	1072.4	917.5	856.7	836.1
75°	1282.2	1228.3	1250.1	1247.8	1166.4	1079.2	988.6	871.7	738.6	696.2	675.5
77.5°	1000.1	945.1	963.4	963.4	903.8	840.7	768.4	677.8	583.8	537.9	523.0
80°	729.4	703.1	693.9	695.0	654.9	613.6	576.9	489.7	420.9	389.9	379.6
82.5°	479.4	457.6	448.4	450.7	427.8	402.6	379.6	318.8	273.0	254.6	248.9
85°	254.6	238.6	230.5	236.3	231.7	217.9	206.4	165.2	136.5	129.6	126.2
87.5°	80.3	70.0	64.2	84.9	72.3	64.2	61.9	49.3	37.8	37.8	36.7
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°	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8
2.5°	4909.9	4909.9	4865.2	4854.9	4850.3	4856.0	4811.3	4803.3	4867.5	4845.7	4796.4
5°	4870.9	4868.6	4805.6	4794.1	4794.1	4787.2	4736.7	4725.3	4789.5	4771.2	4717.2
7.5°	4822.8	4815.9	4741.3	4733.3	4721.8	4717.2	4661.0	4653.0	4708.1	4696.6	4646.1
10°	4764.3	4757.4	4669.1	4663.3	4650.7	4641.5	4588.8	4583.1	4639.3	4620.9	4580.8
12.5°	4687.4	4674.8	4584.2	4578.5	4568.1	4564.7	4513.1	4510.8	4572.7	4554.4	4511.9
15°	4586.5	4576.2	4475.2	4477.5	4478.7	4478.7	4437.4	4435.1	4495.9	4487.9	4442.0
17.5°	4475.2	4461.5	4365.1	4372.0	4380.1	4389.2	4357.1	4362.9	4427.1	4416.8	4375.5
20°	4349.1	4335.3	4241.3	4260.8	4278.0	4296.3	4275.7	4291.7	4351.4	4346.8	4315.8
22.5°	4208.0	4194.3	4107.1	4136.9	4165.6	4200.0	4190.8	4209.2	4272.2	4271.1	4243.6
25°	4036.0	4039.4	3962.6	3999.3	4047.4	4095.6	4099.1	4128.9	4198.8	4192.0	4166.7
27.5°	3875.4	3880.0	3798.6	3860.5	3924.7	3986.7	4001.6	4042.9	4114.0	4108.2	4086.4
30°	3706.8	3712.6	3633.4	3718.3	3796.3	3872.0	3904.1	3960.3	4032.5	4032.5	4009.6
32.5°	3531.3	3541.7	3459.1	3572.6	3663.2	3751.5	3807.7	3866.2	3948.8	3946.5	3927.0
35°	3351.3	3362.7	3287.0	3431.6	3522.2	3630.0	3699.9	3777.9	3851.3	3852.5	3837.6
37.5°	3167.8	3181.5	3112.7	3271.0	3374.2	3501.5	3591.0	3669.0	3750.4	3755.0	3741.2
40°	2985.4	3000.3	2940.7	3093.2	3224.0	3366.2	3469.4	3561.2	3650.6	3652.9	3643.7
42.5°	2803.1	2819.1	2774.4	2923.5	3071.4	3224.0	3345.5	3449.9	3541.7	3547.4	3537.1
45°	2625.3	2639.0	2606.9	2769.8	2912.0	3078.3	3218.2	3336.4	3429.3	3437.3	3433.9
47.5°	2448.7	2461.3	2432.6	2581.7	2745.7	2922.3	3084.0	3214.8	3313.4	3322.6	3320.3
50°	2275.5	2285.8	2254.8	2410.8	2573.7	2761.8	2930.4	3081.8	3191.9	3201.0	3199.9
52.5°	2103.4	2113.8	2087.4	2251.4	2399.3	2597.8	2781.3	2945.3	3054.2	3068.0	3070.3
55°	1937.1	1941.7	1921.1	2078.2	2221.6	2429.2	2640.2	2799.6	2908.6	2920.0	2926.9
57.5°	1770.8	1772.0	1754.8	1905.0	2042.6	2254.8	2476.2	2643.6	2746.9	2758.3	2768.6
60°	1605.7	1604.5	1585.0	1730.7	1862.6	2072.5	2303.0	2469.3	2569.1	2579.4	2593.2
62.5°	1441.7	1438.2	1421.0	1555.2	1679.1	1886.7	2118.3	2278.9	2374.1	2381.0	2399.3
65°	1278.8	1275.4	1259.3	1383.2	1495.6	1694.0	1921.1	2073.6	2159.6	2168.8	2165.4
67.5°	1118.2	1111.4	1098.7	1210.0	1312.1	1495.6	1713.5	1859.1	1930.3	1938.3	1960.1
70°	957.7	949.6	921.0	1039.1	1128.6	1292.6	1495.6	1625.2	1684.8	1692.8	1689.4
72.5°	799.4	791.4	760.4	869.4	945.1	1088.4	1269.6	1377.4	1429.1	1435.9	1435.9
75°	645.7	641.1	621.6	704.2	767.3	884.3	1038.0	1127.4	1167.6	1175.6	1173.3
77.5°	497.8	494.3	474.8	545.9	595.2	682.4	806.3	876.2	906.1	915.2	934.7
80°	356.7	355.5	324.6	394.5	416.3	489.7	580.3	634.2	650.3	662.9	676.7
82.5°	228.2	229.4	198.4	258.1	267.2	314.3	370.5	403.7	415.2	425.5	435.8
85°	111.3	115.8	98.6	136.5	137.6	161.7	185.8	198.4	203.0	211.0	220.2
87.5°	28.7	33.3	18.4	39.0	34.4	44.7	51.6	55.1	53.9	59.6	63.1
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°	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8
2.5°	4812.4	4849.1	4830.8	4890.4	4913.4	4876.7	4940.9	4942.0	4896.2	4950.1	4979.9
5°	4737.9	4775.7	4764.3	4826.2	4854.9	4822.8	4900.8	4915.7	4870.9	4931.7	4979.9
7.5°	4662.2	4706.9	4692.0	4755.1	4789.5	4764.3	4848.0	4872.1	4837.7	4904.2	4968.4
10°	4596.8	4634.7	4618.6	4685.1	4715.0	4694.3	4776.9	4821.6	4789.5	4870.9	4947.8
12.5°	4532.6	4563.6	4545.2	4600.3	4628.9	4602.6	4703.5	4744.8	4721.8	4806.7	4905.3
15°	4450.0	4484.4	4459.2	4508.5	4530.3	4507.4	4589.9	4661.0	4632.4	4725.3	4834.2
17.5°	4386.9	4406.4	4372.0	4411.0	4423.6	4392.7	4476.4	4546.4	4525.7	4626.6	4752.8
20°	4317.0	4333.0	4284.9	4306.7	4305.5	4266.5	4343.4	4412.2	4398.4	4509.7	4653.0
22.5°	4239.0	4247.0	4190.8	4195.4	4193.1	4128.9	4197.7	4267.7	4261.9	4374.3	4534.9
25°	4156.4	4157.6	4085.3	4083.0	4057.8	3982.1	4042.9	4122.0	4104.8	4226.4	4395.0
27.5°	4075.0	4063.5	3976.3	3955.7	3915.6	3824.9	3878.9	3950.0	3939.6	4058.9	4245.9
30°	3987.8	3972.9	3866.2	3828.4	3769.9	3665.5	3710.3	3776.8	3782.5	3886.9	4083.0
32.5°	3905.2	3867.4	3749.3	3694.2	3620.8	3499.2	3523.3	3591.0	3600.2	3705.7	3907.5
35°	3798.6	3773.3	3627.7	3533.6	3461.4	3328.3	3353.6	3400.6	3414.4	3517.6	3722.9
37.5°	3697.6	3657.5	3502.7	3388.0	3295.1	3155.2	3162.0	3210.2	3224.0	3328.3	3531.3
40°	3593.3	3535.9	3369.6	3235.4	3128.8	2982.0	2973.9	3024.4	3034.7	3136.8	3320.3
42.5°	3482.0	3413.2	3226.3	3079.5	2956.7	2807.6	2791.6	2835.2	2846.6	2946.4	3126.5
45°	3369.6	3287.0	3079.5	2918.9	2784.7	2632.2	2616.1	2649.4	2666.6	2760.6	2933.8
47.5°	3250.3	3154.0	2928.1	2749.1	2610.4	2457.8	2438.3	2471.6	2485.4	2578.3	2742.3
50°	3125.3	3008.3	2772.1	2574.8	2437.2	2286.9	2258.3	2297.3	2309.9	2397.0	2557.6
52.5°	2987.7	2858.1	2605.8	2399.3	2261.7	2118.3	2083.9	2121.8	2136.7	2221.6	2369.5
55°	2842.0	2702.1	2438.3	2237.6	2088.5	1948.6	1919.9	1934.8	1967.0	2047.2	2184.9
57.5°	2678.0	2539.3	2261.7	2057.6	1914.2	1780.0	1755.9	1769.7	1799.5	1877.5	2001.4
60°	2503.7	2356.9	2081.6	1877.5	1738.7	1611.4	1589.6	1602.2	1634.3	1705.5	1820.1
62.5°	2331.7	2166.5	1895.8	1692.8	1566.7	1448.5	1442.8	1438.2	1468.0	1536.9	1637.8
65°	2122.9	1964.7	1702.0	1509.3	1394.6	1288.0	1265.0	1275.4	1304.0	1367.1	1472.6
67.5°	1899.3	1755.9	1503.6	1325.8	1223.8	1128.6	1109.1	1113.7	1143.5	1198.5	1290.3
70°	1661.9	1535.7	1300.6	1141.2	1055.2	965.7	953.1	954.2	982.9	1031.1	1111.4
72.5°	1413.0	1299.5	1095.3	958.8	887.7	823.5	812.0	798.3	824.6	865.9	934.7
75°	1159.5	1059.7	891.1	779.9	723.7	669.8	659.5	645.7	672.1	707.6	761.5
77.5°	903.8	823.5	692.7	606.7	563.1	523.0	513.8	498.9	525.3	551.7	594.1
80°	653.7	595.2	517.3	426.7	411.7	385.4	376.2	360.1	385.4	402.6	434.7
82.5°	422.1	383.1	338.3	275.3	273.0	253.5	248.9	230.5	253.5	263.8	287.9
85°	213.3	195.0	183.5	139.9	144.5	131.9	130.7	111.3	129.6	134.2	148.0
87.5°	60.8	64.2	57.3	34.4	43.6	41.3	41.3	29.8	41.3	41.3	47.0
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: P838121

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5LO-40-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8	4916.8
2.5°	4921.4	4940.9	4945.5	4944.3	4957.0	5025.8	5002.8	5025.8
5°	4932.9	4976.4	4987.9	5004.0	5024.6	5102.6	5077.4	5104.9
7.5°	4939.7	5005.1	5030.4	5061.3	5094.6	5181.7	5161.1	5188.6
10°	4939.7	5024.6	5061.3	5112.9	5157.7	5258.6	5239.1	5271.2
12.5°	4919.1	5028.1	5079.7	5151.9	5209.3	5318.2	5310.2	5333.1
15°	4876.7	5010.9	5082.0	5174.9	5246.0	5367.5	5364.1	5391.6
17.5°	4819.3	4981.0	5067.1	5184.0	5273.5	5410.0	5418.0	5432.9
20°	4747.1	4924.8	5037.2	5180.6	5293.0	5443.2	5453.6	5474.2
22.5°	4651.9	4857.2	4992.5	5165.7	5295.3	5457.0	5475.4	5494.9
25°	4539.5	4775.7	4934.0	5137.0	5283.8	5455.9	5481.1	5498.3
27.5°	4411.0	4670.2	4859.5	5091.1	5251.7	5437.5	5468.5	5489.1
30°	4261.9	4557.8	4774.6	5031.5	5208.1	5403.1	5436.4	5457.0
32.5°	4108.2	4434.0	4673.7	4954.7	5145.0	5348.0	5376.7	5392.8
35°	3940.8	4283.7	4552.1	4856.0	5063.6	5259.7	5281.5	5298.7
37.5°	3758.4	4120.9	4413.3	4744.8	4948.9	5137.0	5156.5	5176.0
40°	3570.3	3950.0	4257.3	4608.3	4812.4	4986.8	5007.4	5021.2
42.5°	3381.1	3760.7	4091.0	4447.7	4650.7	4818.2	4830.8	4844.6
45°	3189.6	3564.6	3904.1	4270.0	4470.7	4627.8	4632.4	4643.8
47.5°	2994.6	3361.6	3698.8	4066.9	4265.4	4408.7	4413.3	4422.5
50°	2798.5	3158.6	3479.7	3847.9	4041.7	4193.1	4172.5	4181.6
52.5°	2605.8	2945.3	3273.3	3611.6	3803.2	3937.3	3943.1	3924.7
55°	2416.5	2736.5	3038.2	3363.9	3546.2	3650.6	3647.2	3654.1
57.5°	2225.0	2525.5	2801.9	3100.1	3277.9	3376.5	3397.2	3373.1
60°	2030.0	2312.2	2559.9	2829.4	3001.5	3084.0	3108.1	3085.2
62.5°	1836.2	2095.4	2320.2	2555.3	2714.7	2816.8	2814.5	2789.3
65°	1642.4	1877.5	2078.2	2277.8	2416.5	2518.6	2514.0	2491.1
67.5°	1463.5	1657.3	1837.4	1999.1	2119.5	2189.5	2213.5	2186.0
70°	1266.2	1433.6	1591.9	1721.5	1821.3	1884.4	1907.3	1883.2
72.5°	1068.9	1211.1	1322.4	1447.4	1524.2	1577.0	1601.1	1578.1
75°	873.9	990.9	1081.5	1179.0	1232.9	1277.7	1305.2	1282.2
77.5°	684.7	775.3	847.6	918.7	980.6	990.9	1015.0	1000.1
80°	504.6	570.0	622.8	669.8	714.5	719.1	738.6	729.4
82.5°	336.0	379.6	393.4	442.7	471.4	466.8	486.3	479.4
85°	177.8	204.2	228.2	243.1	259.2	244.3	261.5	254.6
87.5°	59.6	63.1	55.1	78.0	86.0	73.4	83.7	80.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)