

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: P838135

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-3HI-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: P838135
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-LD4-3HI-50-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

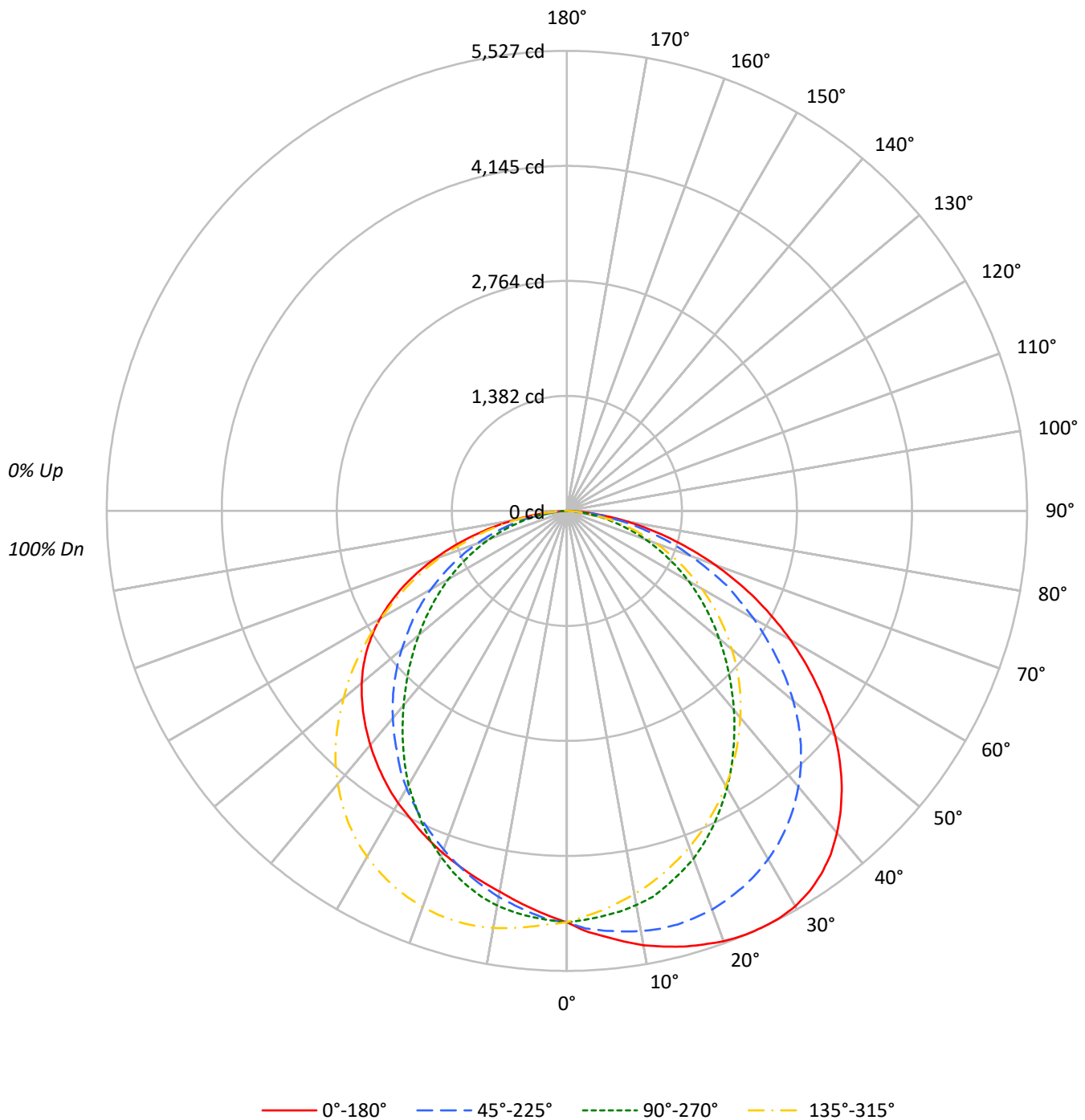
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14501.4 lumens
Efficiency: N/A
Efficacy: 109.9 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): 132
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°	6650	6650	6650	6650
5°	6931	6603	6478	6614
10°	7240	6569	6347	6578
15°	7550	6485	6284	6487
20°	7880	6367	6257	6331
25°	8206	6189	6256	6126
30°	8523	5974	6298	5908
35°	8749	5729	6361	5638
40°	8866	5482	6450	5358
45°	8883	5232	6575	5101
50°	8799	4993	6736	4861
55°	8617	4771	6886	4638
60°	8346	4539	6978	4421
65°	7973	4273	6941	4174
70°	7448	3960	6695	3887
75°	6701	3530	6144	3512
80°	5682	2957	5164	3002
85°	3952	1958	3274	2012

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.3	3.2
10°-20°	1358.9	9.4
20°-30°	2082.6	14.4
30°-40°	2532.3	17.5
40°-50°	2632.5	18.2
50°-60°	2377.9	16.4
60°-70°	1807.9	12.5
70°-80°	1007.9	7.0
80°-90°	232.0	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°	3910.8	27.0
0°-40°	6443.2	44.4
0°-60°	11453.7	79.0
0°-90°	14501.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14501.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4943	4943	4943	4943	4943	
5°	5132	4889	4796	4897	5132	495
15°	5420	4656	4512	4657	5420	1537
25°	5527	4169	4214	4126	5527	2553
35°	5327	3488	3873	3432	5327	3327
45°	4668	2750	3455	2681	4668	3594
55°	3673	2034	2936	1977	3673	3279
65°	2504	1342	2180	1311	2504	2475
75°	1289	679	1182	676	1289	1369
85°	256	127	212	130	256	322
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°	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8
2.5°	5052.3	4978.5	4979.7	5044.2	4994.7	5018.9	4949.7	4976.2	4968.1	4973.9	4917.4
5°	5131.9	5052.3	5051.2	5106.5	5051.2	5061.5	4973.9	4991.2	4965.8	4949.7	4888.6
7.5°	5216.0	5136.5	5128.4	5176.8	5104.2	5096.1	4999.3	4999.3	4953.2	4912.8	4855.2
10°	5299.0	5217.2	5206.8	5243.7	5153.8	5127.3	5009.6	4991.2	4930.1	4870.1	4807.9
12.5°	5361.3	5278.3	5270.2	5293.3	5191.8	5143.4	5009.6	4973.9	4884.0	4799.8	4751.4
15°	5420.1	5334.8	5312.9	5324.4	5208.0	5143.4	4993.5	4938.2	4822.9	4712.2	4655.7
17.5°	5461.6	5379.8	5357.8	5356.7	5216.0	5123.8	4958.9	4882.8	4744.5	4610.7	4554.2
20°	5503.1	5421.3	5393.6	5372.8	5213.7	5097.3	4908.2	4805.6	4644.2	4494.3	4447.0
22.5°	5523.9	5439.7	5409.7	5378.6	5198.7	5048.8	4845.9	4715.6	4531.2	4352.5	4313.3
25°	5527.3	5440.9	5408.6	5363.6	5168.8	4991.2	4765.2	4607.3	4400.9	4202.6	4169.1
27.5°	5518.1	5423.6	5391.3	5337.1	5123.8	4920.9	4669.5	4483.9	4262.5	4043.5	4007.7
30°	5485.8	5390.1	5359.0	5288.7	5060.4	4834.4	4564.6	4346.7	4109.2	3876.3	3845.2
32.5°	5421.3	5327.9	5302.5	5232.2	4991.2	4734.1	4442.4	4199.1	3939.7	3717.2	3671.1
35°	5326.7	5233.3	5217.2	5143.4	4894.4	4614.2	4308.6	4037.7	3759.8	3532.7	3487.7
37.5°	5203.3	5124.9	5100.7	5028.1	4780.2	4478.1	4155.3	3862.4	3576.5	3332.1	3304.4
40°	5047.7	4973.9	4955.5	4890.9	4647.6	4327.1	3989.3	3681.4	3387.4	3160.3	3121.1
42.5°	4870.1	4801.0	4790.6	4723.7	4483.9	4159.9	3809.4	3493.5	3190.3	2971.2	2932.0
45°	4668.4	4601.5	4599.2	4535.8	4305.2	3974.3	3620.3	3303.3	2997.7	2770.6	2749.8
47.5°	4445.8	4385.9	4385.9	4327.1	4105.7	3770.2	3425.5	3104.9	2804.0	2603.4	2566.5
50°	4203.7	4147.2	4129.9	4101.1	3885.5	3547.7	3220.2	2911.2	2612.6	2421.2	2385.5
52.5°	3945.5	3897.0	3908.6	3855.5	3646.8	3315.9	3012.7	2693.3	2420.1	2246.0	2210.2
55°	3673.4	3604.2	3614.6	3595.0	3397.8	3077.3	2779.8	2513.5	2231.0	2067.3	2033.8
57.5°	3390.9	3300.9	3337.8	3326.3	3132.6	2832.8	2566.5	2309.4	2043.1	1892.0	1859.7
60°	3101.5	3015.0	3053.1	3042.7	2860.5	2588.4	2346.3	2107.6	1856.3	1719.1	1686.8
62.5°	2804.0	2724.5	2759.1	2751.0	2583.8	2338.2	2127.2	1908.2	1668.3	1545.0	1515.0
65°	2504.2	2428.2	2459.3	2453.5	2299.0	2112.2	1902.4	1701.8	1479.3	1372.0	1342.1
67.5°	2197.6	2127.2	2156.1	2156.1	2014.2	1835.5	1676.4	1493.1	1293.6	1201.4	1173.7
70°	1893.2	1827.5	1852.8	1850.5	1730.6	1585.3	1448.1	1284.4	1105.7	1029.6	1006.5
72.5°	1586.5	1528.8	1551.9	1549.6	1449.3	1355.9	1219.8	1078.0	922.4	861.3	840.5
75°	1289.0	1234.8	1256.7	1254.4	1172.6	1084.9	993.9	876.3	742.5	699.9	679.1
77.5°	1005.4	950.0	968.5	968.5	908.5	845.1	772.5	681.4	586.9	540.7	525.8
80°	733.3	706.8	697.5	698.7	658.3	616.8	579.9	492.3	423.1	392.0	381.6
82.5°	481.9	460.0	450.8	453.1	430.1	404.7	381.6	320.5	274.4	256.0	250.2
85°	256.0	239.8	231.7	237.5	232.9	219.1	207.5	166.0	137.2	130.3	126.8
87.5°	80.7	70.3	64.6	85.3	72.6	64.6	62.3	49.6	38.0	38.0	36.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8
2.5°	4935.9	4935.9	4890.9	4880.5	4875.9	4881.7	4836.7	4828.6	4893.2	4871.3	4821.7
5°	4896.7	4894.4	4830.9	4819.4	4819.4	4812.5	4761.8	4750.2	4814.8	4796.3	4742.2
7.5°	4848.2	4841.3	4766.4	4758.3	4746.8	4742.2	4685.7	4677.6	4732.9	4721.4	4670.7
10°	4789.4	4782.5	4693.7	4688.0	4675.3	4666.1	4613.0	4607.3	4663.8	4645.3	4605.0
12.5°	4712.2	4699.5	4608.4	4602.7	4592.3	4588.8	4536.9	4534.6	4596.9	4578.4	4535.8
15°	4610.7	4600.3	4498.9	4501.2	4502.3	4502.3	4460.8	4458.5	4519.6	4511.6	4465.4
17.5°	4498.9	4485.0	4388.2	4395.1	4403.2	4412.4	4380.1	4385.9	4450.5	4440.1	4398.6
20°	4372.1	4358.2	4263.7	4283.3	4300.6	4319.0	4298.3	4314.4	4374.4	4369.8	4338.6
22.5°	4230.2	4216.4	4128.8	4158.8	4187.6	4222.2	4212.9	4231.4	4294.8	4293.7	4266.0
25°	4057.3	4060.8	3983.5	4020.4	4068.8	4117.3	4120.7	4150.7	4221.0	4214.1	4188.7
27.5°	3895.9	3900.5	3818.6	3880.9	3945.5	4007.7	4022.7	4064.2	4135.7	4129.9	4108.0
30°	3726.4	3732.2	3652.6	3737.9	3816.3	3892.4	3924.7	3981.2	4053.8	4053.8	4030.8
32.5°	3550.0	3560.4	3477.4	3591.5	3682.6	3771.4	3827.9	3886.7	3969.7	3967.4	3947.8
35°	3369.0	3380.5	3304.4	3449.7	3540.8	3649.1	3719.5	3797.9	3871.7	3872.8	3857.8
37.5°	3184.5	3198.3	3129.2	3288.3	3392.0	3520.0	3609.9	3688.3	3770.2	3774.8	3761.0
40°	3001.2	3016.2	2956.2	3109.6	3241.0	3384.0	3487.7	3580.0	3669.9	3672.2	3663.0
42.5°	2817.9	2834.0	2789.0	2938.9	3087.7	3241.0	3363.2	3468.1	3560.4	3566.1	3555.8
45°	2639.1	2653.0	2620.7	2784.4	2927.4	3094.6	3235.2	3354.0	3447.4	3455.4	3452.0
47.5°	2461.6	2474.3	2445.4	2595.3	2760.2	2937.8	3100.3	3231.8	3330.9	3340.2	3337.8
50°	2287.5	2297.9	2266.7	2423.5	2587.3	2776.3	2945.8	3098.0	3208.7	3217.9	3216.8
52.5°	2114.5	2124.9	2098.4	2263.3	2412.0	2611.5	2795.9	2960.8	3070.4	3084.2	3086.5
55°	1947.4	1952.0	1931.2	2089.2	2233.3	2442.0	2654.1	2814.4	2923.9	2935.5	2942.4
57.5°	1780.2	1781.3	1764.0	1915.1	2053.4	2266.7	2489.3	2657.6	2761.4	2772.9	2783.3
60°	1614.2	1613.0	1593.4	1739.8	1872.4	2083.4	2315.2	2482.3	2582.6	2593.0	2606.9
62.5°	1449.3	1445.8	1428.5	1563.4	1687.9	1896.6	2129.5	2290.9	2386.6	2393.6	2412.0
65°	1285.6	1282.1	1266.0	1390.5	1503.5	1702.9	1931.2	2084.6	2171.0	2180.3	2176.8
67.5°	1124.1	1117.2	1104.5	1216.4	1319.0	1503.5	1722.5	1869.0	1940.4	1948.5	1970.4
70°	962.7	954.7	925.8	1044.6	1134.5	1299.4	1503.5	1633.8	1693.7	1701.8	1698.3
72.5°	803.6	795.5	764.4	874.0	950.0	1094.2	1276.3	1384.7	1436.6	1443.5	1443.5
75°	649.1	644.5	624.9	707.9	771.3	888.9	1043.4	1133.4	1173.7	1181.8	1179.5
77.5°	500.4	496.9	477.3	548.8	598.4	686.0	810.5	880.9	910.8	920.1	939.7
80°	358.6	357.4	326.3	396.6	418.5	492.3	583.4	637.6	653.7	666.4	680.3
82.5°	229.4	230.6	199.5	259.4	268.6	315.9	372.4	405.8	417.4	427.8	438.1
85°	111.8	116.4	99.2	137.2	138.4	162.6	186.8	199.5	204.1	212.1	221.4
87.5°	28.8	33.4	18.4	39.2	34.6	45.0	51.9	55.3	54.2	60.0	63.4
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°	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8
2.5°	4837.9	4874.8	4856.3	4916.3	4939.3	4902.4	4967.0	4968.1	4922.0	4976.2	5006.2
5°	4762.9	4801.0	4789.4	4851.7	4880.5	4848.2	4926.6	4941.6	4896.7	4957.8	5006.2
7.5°	4686.8	4731.8	4716.8	4780.2	4814.8	4789.4	4873.6	4897.8	4863.2	4930.1	4994.7
10°	4621.1	4659.1	4643.0	4709.9	4739.9	4719.1	4802.1	4847.1	4814.8	4896.7	4973.9
12.5°	4556.5	4587.7	4569.2	4624.6	4653.4	4626.9	4728.3	4769.8	4746.8	4832.1	4931.2
15°	4473.5	4508.1	4482.7	4532.3	4554.2	4531.2	4614.2	4685.7	4656.8	4750.2	4859.8
17.5°	4410.1	4429.7	4395.1	4434.3	4447.0	4415.9	4500.0	4570.4	4549.6	4651.1	4777.9
20°	4339.8	4355.9	4307.5	4329.4	4328.2	4289.0	4366.3	4435.5	4421.6	4533.5	4677.6
22.5°	4261.4	4269.4	4212.9	4217.6	4215.3	4150.7	4219.9	4290.2	4284.4	4397.4	4558.8
25°	4178.4	4179.5	4106.9	4104.6	4079.2	4003.1	4064.2	4143.8	4126.5	4248.7	4418.2
27.5°	4096.5	4085.0	3997.3	3976.6	3936.2	3845.2	3899.3	3970.8	3960.4	4080.4	4268.3
30°	4008.9	3993.9	3886.7	3848.6	3789.8	3684.9	3729.9	3796.7	3802.5	3907.4	4104.6
32.5°	3925.9	3887.8	3769.1	3713.7	3639.9	3517.7	3541.9	3609.9	3619.2	3725.2	3928.2
35°	3818.6	3793.3	3646.8	3552.3	3479.7	3345.9	3371.3	3418.6	3432.4	3536.2	3742.5
37.5°	3717.2	3676.8	3521.2	3405.9	3312.5	3171.8	3178.7	3227.2	3241.0	3345.9	3550.0
40°	3612.3	3554.6	3387.4	3252.5	3145.3	2997.7	2989.6	3040.4	3050.8	3153.4	3337.8
42.5°	3500.4	3431.2	3243.3	3095.7	2972.4	2822.5	2806.3	2850.1	2861.7	2962.0	3143.0
45°	3387.4	3304.4	3095.7	2934.3	2799.4	2646.1	2629.9	2663.4	2680.7	2775.2	2949.3
47.5°	3267.5	3170.7	2943.5	2763.7	2624.2	2470.8	2451.2	2484.6	2498.5	2591.9	2756.7
50°	3141.8	3024.2	2786.7	2588.4	2450.1	2299.0	2270.2	2309.4	2322.1	2409.7	2571.1
52.5°	3003.5	2873.2	2619.5	2412.0	2273.7	2129.5	2094.9	2133.0	2148.0	2233.3	2382.0
55°	2857.1	2716.4	2451.2	2249.4	2099.6	1958.9	1930.1	1945.1	1977.3	2058.0	2196.4
57.5°	2692.2	2552.7	2273.7	2068.4	1924.3	1789.4	1765.2	1779.0	1809.0	1887.4	2011.9
60°	2516.9	2369.4	2092.6	1887.4	1747.9	1619.9	1598.0	1610.7	1643.0	1714.5	1829.8
62.5°	2344.0	2178.0	1905.9	1701.8	1575.0	1456.2	1450.4	1445.8	1475.8	1545.0	1646.4
65°	2134.1	1975.0	1711.0	1517.3	1402.0	1294.8	1271.7	1282.1	1310.9	1374.3	1480.4
67.5°	1909.3	1765.2	1511.5	1332.8	1230.2	1134.5	1114.9	1119.5	1149.5	1204.9	1297.1
70°	1670.7	1543.8	1307.5	1147.2	1060.7	970.8	958.1	959.3	988.1	1036.5	1117.2
72.5°	1420.5	1306.3	1101.1	963.9	892.4	827.8	816.3	802.5	829.0	870.5	939.7
75°	1165.7	1065.3	895.9	784.0	727.5	673.3	663.0	649.1	675.6	711.4	765.6
77.5°	908.5	827.8	696.4	609.9	566.1	525.8	516.5	501.5	528.1	554.6	597.2
80°	657.2	598.4	520.0	428.9	413.9	387.4	378.2	362.0	387.4	404.7	437.0
82.5°	424.3	385.1	340.1	276.7	274.4	254.8	250.2	231.7	254.8	265.2	289.4
85°	214.5	196.0	184.5	140.7	145.3	132.6	131.4	111.8	130.3	134.9	148.7
87.5°	61.1	64.6	57.6	34.6	43.8	41.5	41.5	30.0	41.5	41.5	47.3
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: P838135

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-3HI-50-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8	4942.8
2.5°	4947.4	4967.0	4971.6	4970.4	4983.1	5052.3	5029.2	5052.3
5°	4958.9	5002.7	5014.3	5030.4	5051.2	5129.6	5104.2	5131.9
7.5°	4965.8	5031.6	5056.9	5088.1	5121.5	5209.1	5188.4	5216.0
10°	4965.8	5051.2	5088.1	5139.9	5184.9	5286.4	5266.8	5299.0
12.5°	4945.1	5054.6	5106.5	5179.1	5236.8	5346.3	5338.2	5361.3
15°	4902.4	5037.3	5108.8	5202.2	5273.7	5395.9	5392.4	5420.1
17.5°	4844.8	5007.3	5093.8	5211.4	5301.4	5438.6	5446.6	5461.6
20°	4772.1	4950.8	5063.8	5208.0	5321.0	5472.0	5482.4	5503.1
22.5°	4676.4	4882.8	5018.9	5193.0	5323.3	5485.8	5504.3	5523.9
25°	4563.5	4801.0	4960.1	5164.1	5311.7	5484.7	5510.0	5527.3
27.5°	4434.3	4694.9	4885.1	5118.0	5279.4	5466.2	5497.4	5518.1
30°	4284.4	4581.9	4799.8	5058.1	5235.6	5431.6	5465.1	5485.8
32.5°	4129.9	4457.4	4698.3	4980.8	5172.2	5376.3	5405.1	5421.3
35°	3961.6	4306.3	4576.1	4881.7	5090.4	5287.5	5309.4	5326.7
37.5°	3778.3	4142.6	4436.6	4769.8	4975.1	5164.1	5183.7	5203.3
40°	3589.2	3970.8	4279.8	4632.6	4837.9	5013.1	5033.9	5047.7
42.5°	3399.0	3780.6	4112.6	4471.2	4675.3	4843.6	4856.3	4870.1
45°	3206.4	3583.4	3924.7	4292.5	4494.3	4652.2	4656.8	4668.4
47.5°	3010.4	3379.4	3718.3	4088.4	4287.9	4432.0	4436.6	4445.8
50°	2813.2	3175.3	3498.1	3868.2	4063.1	4215.3	4194.5	4203.7
52.5°	2619.5	2960.8	3290.6	3630.7	3823.2	3958.1	3963.9	3945.5
55°	2429.3	2751.0	3054.2	3381.7	3565.0	3669.9	3666.4	3673.4
57.5°	2236.8	2538.8	2816.7	3116.5	3295.2	3394.3	3415.1	3390.9
60°	2040.8	2324.4	2573.4	2844.4	3017.3	3100.3	3124.5	3101.5
62.5°	1845.9	2106.5	2332.5	2568.8	2729.1	2831.7	2829.4	2804.0
65°	1651.1	1887.4	2089.2	2289.8	2429.3	2531.9	2527.3	2504.2
67.5°	1471.2	1666.0	1847.1	2009.6	2130.7	2201.0	2225.2	2197.6
70°	1272.9	1441.2	1600.3	1730.6	1830.9	1894.3	1917.4	1893.2
72.5°	1074.6	1217.5	1329.4	1455.0	1532.3	1585.3	1609.5	1586.5
75°	878.6	996.2	1087.2	1185.3	1239.4	1284.4	1312.1	1289.0
77.5°	688.3	779.4	852.0	923.5	985.8	996.2	1020.4	1005.4
80°	507.3	573.0	626.1	673.3	718.3	722.9	742.5	733.3
82.5°	337.8	381.6	395.5	445.0	473.9	469.3	488.9	481.9
85°	178.7	205.2	229.4	244.4	260.6	245.6	262.9	256.0
87.5°	60.0	63.4	55.3	78.4	86.5	73.8	84.2	80.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)