

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: P838065

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-4STD-27-120-EDD**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838065
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-LD4-4STD-27-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

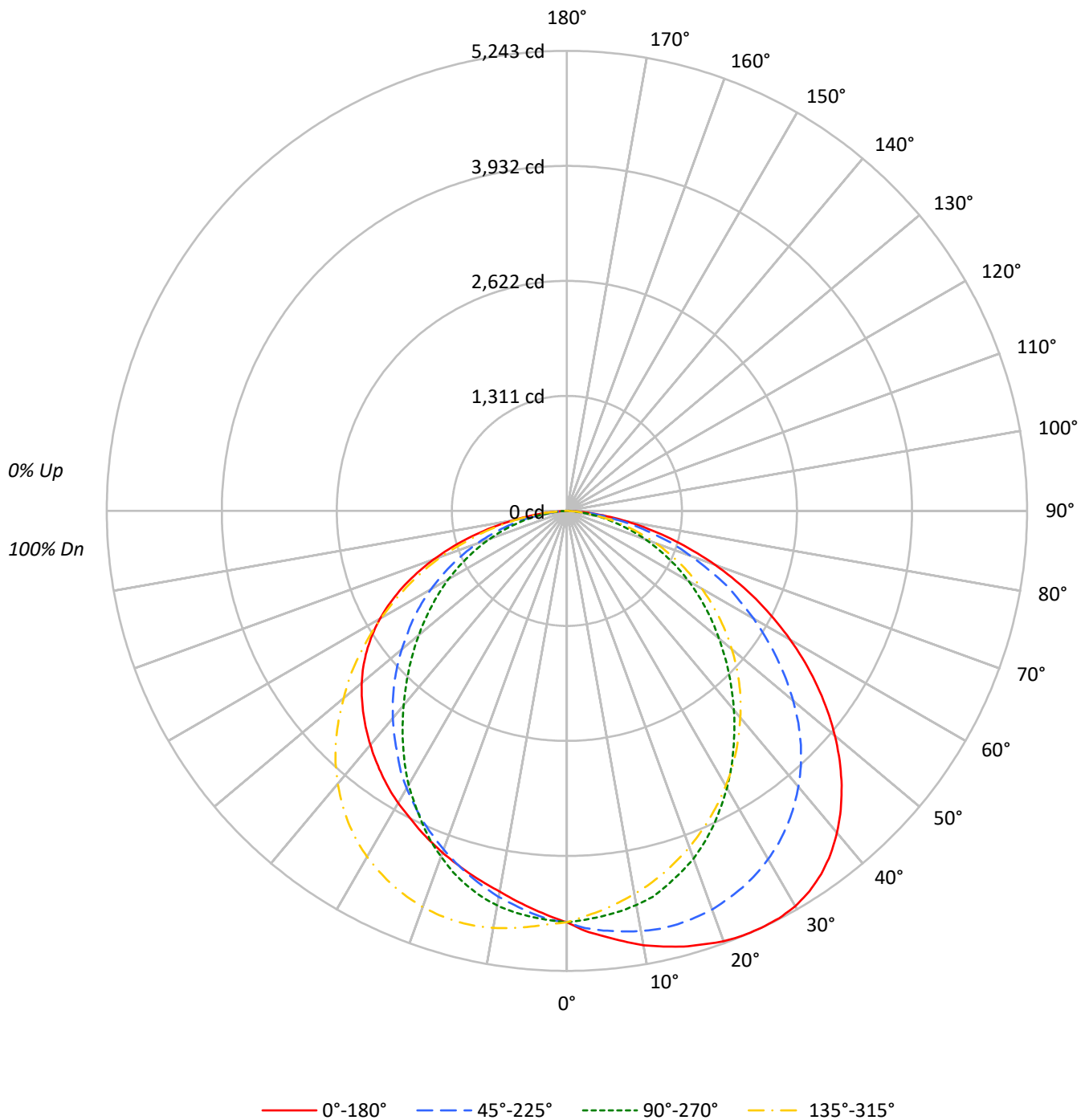
Lumens per Lamp: N/A
Luminaire Lumens: 13754.9 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 133.2
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

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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°	6308	6308	6308	6308
5°	6574	6263	6145	6273
10°	6867	6231	6020	6240
15°	7161	6151	5961	6153
20°	7474	6040	5935	6005
25°	7783	5871	5934	5811
30°	8084	5666	5974	5604
35°	8299	5434	6034	5348
40°	8409	5200	6118	5083
45°	8426	4963	6237	4838
50°	8346	4736	6389	4610
55°	8173	4525	6531	4400
60°	7916	4306	6618	4194
65°	7562	4053	6584	3959
70°	7064	3756	6350	3687
75°	6356	3348	5828	3332
80°	5389	2805	4898	2848
85°	3748	1857	3106	1908

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.1	3.2
10°-20°	1289.0	9.4
20°-30°	1975.4	14.4
30°-40°	2402.0	17.5
40°-50°	2497.0	18.2
50°-60°	2255.5	16.4
60°-70°	1714.8	12.5
70°-80°	956.0	7.0
80°-90°	220.1	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°	3709.5	27.0
0°-40°	6111.5	44.4
0°-60°	10864.0	79.0
0°-90°	13754.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13754.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4688	4688	4688	4688	4688	
5°	4868	4637	4549	4645	4868	469
15°	5141	4416	4279	4417	5141	1458
25°	5243	3954	3997	3914	5243	2422
35°	5052	3308	3674	3256	5052	3156
45°	4428	2608	3278	2543	4428	3409
55°	3484	1929	2784	1876	3484	3110
65°	2375	1273	2068	1243	2375	2347
75°	1223	644	1121	641	1223	1299
85°	243	120	201	124	243	306
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°	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3
2.5°	4792.2	4722.2	4723.3	4784.6	4737.5	4760.5	4694.9	4720.0	4712.4	4717.9	4664.3
5°	4867.7	4792.2	4791.1	4843.6	4791.1	4801.0	4717.9	4734.3	4710.2	4694.9	4636.9
7.5°	4947.5	4872.1	4864.4	4910.3	4841.4	4833.8	4741.9	4741.9	4698.2	4659.9	4605.2
10°	5026.3	4948.6	4938.8	4973.8	4888.5	4863.3	4751.8	4734.3	4676.3	4619.4	4560.4
12.5°	5085.3	5006.6	4998.9	5020.8	4924.5	4878.6	4751.8	4717.9	4632.6	4552.7	4506.8
15°	5141.1	5060.2	5039.4	5050.3	4939.9	4878.6	4736.4	4684.0	4574.6	4469.6	4416.0
17.5°	5180.5	5102.8	5082.0	5080.9	4947.5	4860.0	4703.6	4631.5	4500.2	4373.4	4319.8
20°	5219.8	5142.2	5115.9	5096.2	4945.3	4834.9	4655.5	4558.2	4405.1	4262.9	4218.1
22.5°	5239.5	5159.7	5131.2	5101.7	4931.1	4788.9	4596.5	4472.9	4297.9	4128.4	4091.2
25°	5242.8	5160.8	5130.1	5087.5	4902.7	4734.3	4519.9	4370.1	4174.3	3986.2	3954.5
27.5°	5234.0	5144.4	5113.7	5062.3	4860.0	4667.5	4429.1	4253.1	4043.1	3835.3	3801.4
30°	5203.4	5112.7	5083.1	5016.4	4799.9	4585.5	4329.6	4122.9	3897.6	3676.7	3647.2
32.5°	5142.2	5053.6	5029.5	4962.8	4734.3	4490.4	4213.7	3982.9	3736.9	3525.8	3482.1
35°	5052.5	4963.9	4948.6	4878.6	4642.4	4376.6	4086.8	3829.8	3566.3	3350.8	3308.2
37.5°	4935.5	4861.1	4838.2	4769.3	4534.1	4247.6	3941.4	3663.6	3392.4	3160.5	3134.3
40°	4787.8	4717.9	4700.4	4639.1	4408.4	4104.3	3783.9	3491.9	3213.0	2997.6	2960.4
42.5°	4619.4	4553.8	4544.0	4480.5	4253.1	3945.8	3613.3	3313.7	3026.0	2818.2	2781.1
45°	4428.0	4364.6	4362.4	4302.3	4083.6	3769.7	3434.0	3133.2	2843.4	2628.0	2608.3
47.5°	4217.0	4160.1	4160.1	4104.3	3894.4	3576.1	3249.1	2945.1	2659.7	2469.4	2434.4
50°	3987.3	3933.7	3917.3	3890.0	3685.5	3365.1	3054.5	2761.4	2478.1	2296.6	2262.7
52.5°	3742.4	3696.4	3707.4	3657.0	3459.1	3145.2	2857.6	2554.7	2295.5	2130.4	2096.5
55°	3484.3	3418.6	3428.5	3409.9	3222.9	2918.9	2636.7	2384.1	2116.1	1960.9	1929.1
57.5°	3216.3	3131.0	3166.0	3155.1	2971.4	2687.0	2434.4	2190.5	1937.9	1794.6	1764.0
60°	2941.8	2859.8	2895.9	2886.1	2713.3	2455.2	2225.5	1999.1	1760.7	1630.6	1600.0
62.5°	2659.7	2584.2	2617.0	2609.4	2450.8	2217.9	2017.7	1809.9	1582.5	1465.4	1437.0
65°	2375.3	2303.2	2332.7	2327.2	2180.7	2003.5	1804.5	1614.2	1403.1	1301.4	1273.0
67.5°	2084.4	2017.7	2045.1	2045.1	1910.5	1741.0	1590.1	1416.2	1227.0	1139.5	1113.3
70°	1795.7	1733.4	1757.4	1755.3	1641.5	1503.7	1373.6	1218.3	1048.8	976.6	954.7
72.5°	1504.8	1450.1	1472.0	1469.8	1374.7	1286.1	1157.0	1022.5	874.9	816.9	797.2
75°	1222.7	1171.3	1192.0	1189.9	1112.2	1029.1	942.7	831.1	704.3	663.8	644.1
77.5°	953.6	901.1	918.6	918.6	861.8	801.6	732.7	646.3	556.7	512.9	498.7
80°	695.5	670.4	661.6	662.7	624.5	585.1	550.1	467.0	401.4	371.8	362.0
82.5°	457.1	436.4	427.6	429.8	407.9	383.9	362.0	304.0	260.3	242.8	237.3
85°	242.8	227.5	219.8	225.3	220.9	207.8	196.9	157.5	130.1	123.6	120.3
87.5°	76.6	66.7	61.2	80.9	68.9	61.2	59.1	47.0	36.1	36.1	35.0
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°	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3
2.5°	4681.8	4681.8	4639.1	4629.3	4624.9	4630.4	4587.7	4580.1	4641.3	4620.5	4573.5
5°	4644.6	4642.4	4582.2	4571.3	4571.3	4564.7	4516.6	4505.7	4566.9	4549.4	4498.0
7.5°	4598.7	4592.1	4521.0	4513.3	4502.4	4498.0	4444.5	4436.8	4489.3	4478.4	4430.2
10°	4542.9	4536.3	4452.1	4446.6	4434.6	4425.9	4375.6	4370.1	4423.7	4406.2	4367.9
12.5°	4469.6	4457.6	4371.2	4365.7	4355.9	4352.6	4303.4	4301.2	4360.2	4342.7	4302.3
15°	4373.4	4363.5	4267.3	4269.5	4270.6	4270.6	4231.2	4229.0	4287.0	4279.3	4235.6
17.5°	4267.3	4254.2	4162.3	4168.9	4176.5	4185.3	4154.6	4160.1	4221.4	4211.5	4172.1
20°	4147.0	4133.9	4044.2	4062.8	4079.2	4096.7	4077.0	4092.3	4149.2	4144.8	4115.3
22.5°	4012.5	3999.4	3916.2	3944.7	3972.0	4004.8	3996.1	4013.6	4073.7	4072.6	4046.4
25°	3848.4	3851.7	3778.4	3813.4	3859.4	3905.3	3908.6	3937.0	4003.7	3997.2	3973.1
27.5°	3695.3	3699.7	3622.1	3681.1	3742.4	3801.4	3815.6	3855.0	3922.8	3917.3	3896.6
30°	3534.6	3540.0	3464.6	3545.5	3619.9	3692.0	3722.7	3776.3	3845.2	3845.2	3823.3
32.5°	3367.2	3377.1	3298.3	3406.6	3493.0	3577.2	3630.8	3686.6	3765.3	3763.1	3744.5
35°	3195.5	3206.5	3134.3	3272.1	3358.5	3461.3	3528.0	3602.4	3672.4	3673.5	3659.2
37.5°	3020.6	3033.7	2968.1	3119.0	3217.4	3338.8	3424.1	3498.5	3576.1	3580.5	3567.4
40°	2846.7	2860.9	2804.0	2949.5	3074.2	3209.8	3308.2	3395.7	3481.0	3483.2	3474.4
42.5°	2672.8	2688.1	2645.5	2787.6	2928.7	3074.2	3190.1	3289.6	3377.1	3382.6	3372.7
45°	2503.3	2516.4	2485.8	2641.1	2776.7	2935.3	3068.7	3181.3	3269.9	3277.6	3274.3
47.5°	2334.9	2346.9	2319.6	2461.7	2618.1	2786.5	2940.7	3065.4	3159.5	3168.2	3166.0
50°	2169.7	2179.6	2150.0	2298.8	2454.1	2633.4	2794.2	2938.5	3043.5	3052.3	3051.2
52.5°	2005.7	2015.5	1990.4	2146.8	2287.8	2477.0	2652.0	2808.4	2912.3	2925.4	2927.6
55°	1847.1	1851.5	1831.8	1981.6	2118.3	2316.3	2517.5	2669.5	2773.4	2784.3	2790.9
57.5°	1688.5	1689.6	1673.2	1816.5	1947.7	2150.0	2361.1	2520.8	2619.2	2630.1	2640.0
60°	1531.1	1530.0	1511.4	1650.3	1776.0	1976.2	2196.0	2354.6	2449.7	2459.5	2472.7
62.5°	1374.7	1371.4	1355.0	1482.9	1601.1	1799.0	2019.9	2173.0	2263.8	2270.3	2287.8
65°	1219.4	1216.1	1200.8	1318.9	1426.1	1615.3	1831.8	1977.3	2059.3	2068.0	2064.7
67.5°	1066.3	1059.7	1047.7	1153.8	1251.1	1426.1	1633.9	1772.8	1840.6	1848.2	1869.0
70°	913.2	905.5	878.2	990.8	1076.1	1232.5	1426.1	1549.7	1606.5	1614.2	1610.9
72.5°	762.2	754.6	725.1	829.0	901.1	1037.8	1210.6	1313.4	1362.6	1369.2	1369.2
75°	615.7	611.3	592.7	671.5	731.6	843.2	989.7	1075.0	1113.3	1121.0	1118.8
77.5°	474.6	471.3	452.8	520.6	567.6	650.7	768.8	835.5	864.0	872.7	891.3
80°	340.1	339.0	309.5	376.2	397.0	467.0	553.4	604.8	620.1	632.1	645.2
82.5°	217.6	218.7	189.2	246.1	254.8	299.7	353.2	385.0	395.9	405.7	415.6
85°	106.1	110.5	94.1	130.1	131.2	154.2	177.2	189.2	193.6	201.2	210.0
87.5°	27.3	31.7	17.5	37.2	32.8	42.7	49.2	52.5	51.4	56.9	60.1
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°	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3
2.5°	4588.8	4623.8	4606.3	4663.2	4685.0	4650.1	4711.3	4712.4	4668.6	4720.0	4748.5
5°	4517.7	4553.8	4542.9	4601.9	4629.3	4598.7	4673.0	4687.2	4644.6	4702.5	4748.5
7.5°	4445.5	4488.2	4474.0	4534.1	4566.9	4542.9	4622.7	4645.7	4612.9	4676.3	4737.5
10°	4383.2	4419.3	4404.0	4467.4	4495.9	4476.2	4554.9	4597.6	4566.9	4644.6	4717.9
12.5°	4322.0	4351.5	4334.0	4386.5	4413.8	4388.7	4484.9	4524.3	4502.4	4583.3	4677.4
15°	4243.2	4276.0	4252.0	4299.0	4319.8	4297.9	4376.6	4444.5	4417.1	4505.7	4609.6
17.5°	4183.1	4201.7	4168.9	4206.0	4218.1	4188.5	4268.4	4335.1	4315.4	4411.6	4531.9
20°	4116.4	4131.7	4085.7	4106.5	4105.4	4068.2	4141.5	4207.1	4194.0	4300.1	4436.8
22.5°	4042.0	4049.7	3996.1	4000.4	3998.3	3937.0	4002.6	4069.3	4063.9	4171.0	4324.2
25°	3963.3	3964.4	3895.5	3893.3	3869.2	3797.0	3855.0	3930.5	3914.0	4030.0	4190.7
27.5°	3885.6	3874.7	3791.6	3771.9	3733.6	3647.2	3698.6	3766.4	3756.6	3870.3	4048.6
30°	3802.5	3788.3	3686.6	3650.5	3594.7	3495.2	3537.8	3601.3	3606.7	3706.3	3893.3
32.5°	3723.8	3687.7	3575.0	3522.5	3452.5	3336.6	3359.6	3424.1	3432.9	3533.5	3725.9
35°	3622.1	3598.0	3459.1	3369.4	3300.5	3173.7	3197.7	3242.6	3255.7	3354.1	3549.9
37.5°	3525.8	3487.5	3339.9	3230.5	3142.0	3008.5	3015.1	3061.0	3074.2	3173.7	3367.2
40°	3426.3	3371.6	3213.0	3085.1	2983.4	2843.4	2835.7	2883.9	2893.7	2991.0	3166.0
42.5°	3320.2	3254.6	3076.3	2936.4	2819.3	2677.2	2661.9	2703.4	2714.4	2809.5	2981.2
45°	3213.0	3134.3	2936.4	2783.3	2655.3	2509.8	2494.5	2526.3	2542.7	2632.3	2797.5
47.5°	3099.3	3007.4	2792.0	2621.4	2489.1	2343.6	2325.0	2356.7	2369.9	2458.4	2614.8
50°	2980.1	2868.6	2643.3	2455.2	2323.9	2180.7	2153.3	2190.5	2202.5	2285.7	2438.8
52.5°	2848.9	2725.3	2484.7	2287.8	2156.6	2019.9	1987.1	2023.2	2037.4	2118.3	2259.4
55°	2710.0	2576.6	2325.0	2133.6	1991.5	1858.1	1830.7	1844.9	1875.6	1952.1	2083.3
57.5°	2553.6	2421.3	2156.6	1961.9	1825.2	1697.3	1674.3	1687.4	1715.9	1790.2	1908.4
60°	2387.4	2247.4	1984.9	1790.2	1657.9	1536.5	1515.8	1527.8	1558.4	1626.2	1735.6
62.5°	2223.3	2065.8	1807.7	1614.2	1493.9	1381.2	1375.8	1371.4	1399.8	1465.4	1561.7
65°	2024.3	1873.4	1622.9	1439.2	1329.8	1228.1	1206.3	1216.1	1243.4	1303.6	1404.2
67.5°	1811.0	1674.3	1433.7	1264.2	1166.9	1076.1	1057.5	1061.9	1090.3	1142.8	1230.3
70°	1584.6	1464.4	1240.2	1088.1	1006.1	920.8	908.8	909.9	937.2	983.2	1059.7
72.5°	1347.3	1239.1	1044.4	914.3	846.5	785.2	774.3	761.2	786.3	825.7	891.3
75°	1105.6	1010.5	849.7	743.7	690.1	638.7	628.8	615.7	640.9	674.8	726.2
77.5°	861.8	785.2	660.5	578.5	537.0	498.7	489.9	475.7	500.9	526.0	566.5
80°	623.4	567.6	493.2	406.8	392.6	367.5	358.7	343.4	367.5	383.9	414.5
82.5°	402.5	365.3	322.6	262.5	260.3	241.7	237.3	219.8	241.7	251.5	274.5
85°	203.4	185.9	175.0	133.4	137.8	125.8	124.7	106.1	123.6	128.0	141.1
87.5°	58.0	61.2	54.7	32.8	41.6	39.4	39.4	28.4	39.4	39.4	44.8
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: P838065

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-4STD-27-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3	4688.3
2.5°	4692.7	4711.3	4715.7	4714.6	4726.6	4792.2	4770.3	4792.2
5°	4703.6	4745.2	4756.1	4771.4	4791.1	4865.5	4841.4	4867.7
7.5°	4710.2	4772.5	4796.6	4826.1	4857.8	4941.0	4921.3	4947.5
10°	4710.2	4791.1	4826.1	4875.3	4918.0	5014.2	4995.6	5026.3
12.5°	4690.5	4794.4	4843.6	4912.5	4967.2	5071.1	5063.4	5085.3
15°	4650.1	4778.0	4845.8	4934.4	5002.2	5118.1	5114.8	5141.1
17.5°	4595.4	4749.6	4831.6	4943.1	5028.4	5158.6	5166.2	5180.5
20°	4526.5	4696.0	4803.2	4939.9	5047.0	5190.3	5200.1	5219.8
22.5°	4435.7	4631.5	4760.5	4925.6	5049.2	5203.4	5220.9	5239.5
25°	4328.5	4553.8	4704.7	4898.3	5038.3	5202.3	5226.4	5242.8
27.5°	4206.0	4453.2	4633.6	4854.6	5007.7	5184.8	5214.4	5234.0
30°	4063.9	4346.0	4552.7	4797.7	4966.1	5152.0	5183.7	5203.4
32.5°	3917.3	4227.9	4456.5	4724.4	4906.0	5099.5	5126.9	5142.2
35°	3757.7	4084.7	4340.6	4630.4	4828.3	5015.3	5036.1	5052.5
37.5°	3583.8	3929.4	4208.2	4524.3	4718.9	4898.3	4916.9	4935.5
40°	3404.4	3766.4	4059.5	4394.1	4588.8	4755.0	4774.7	4787.8
42.5°	3224.0	3586.0	3900.9	4241.0	4434.6	4594.3	4606.3	4619.4
45°	3041.3	3399.0	3722.7	4071.5	4262.9	4412.7	4417.1	4428.0
47.5°	2855.4	3205.4	3526.9	3878.0	4067.2	4203.9	4208.2	4217.0
50°	2668.4	3011.8	3318.0	3669.1	3853.9	3998.3	3978.6	3987.3
52.5°	2484.7	2808.4	3121.2	3443.8	3626.4	3754.4	3759.8	3742.4
55°	2304.2	2609.4	2897.0	3207.6	3381.5	3481.0	3477.7	3484.3
57.5°	2121.6	2408.1	2671.7	2956.0	3125.6	3219.6	3239.3	3216.3
60°	1935.7	2204.7	2440.9	2697.9	2862.0	2940.7	2963.7	2941.8
62.5°	1750.9	1998.0	2212.4	2436.6	2588.6	2685.9	2683.7	2659.7
65°	1566.1	1790.2	1981.6	2171.9	2304.2	2401.6	2397.2	2375.3
67.5°	1395.5	1580.3	1752.0	1906.2	2021.0	2087.7	2110.7	2084.4
70°	1207.4	1367.0	1517.9	1641.5	1736.7	1796.8	1818.7	1795.7
72.5°	1019.2	1154.9	1260.9	1380.1	1453.4	1503.7	1526.7	1504.8
75°	833.3	944.9	1031.3	1124.2	1175.6	1218.3	1244.5	1222.7
77.5°	652.9	739.3	808.2	876.0	935.0	944.9	967.8	953.6
80°	481.2	543.5	593.8	638.7	681.3	685.7	704.3	695.5
82.5°	320.4	362.0	375.1	422.1	449.5	445.1	463.7	457.1
85°	169.5	194.7	217.6	231.8	247.2	232.9	249.3	242.8
87.5°	56.9	60.1	52.5	74.4	82.0	70.0	79.8	76.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)