

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: P838245

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-4STD-50-120-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: P838245
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-50-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

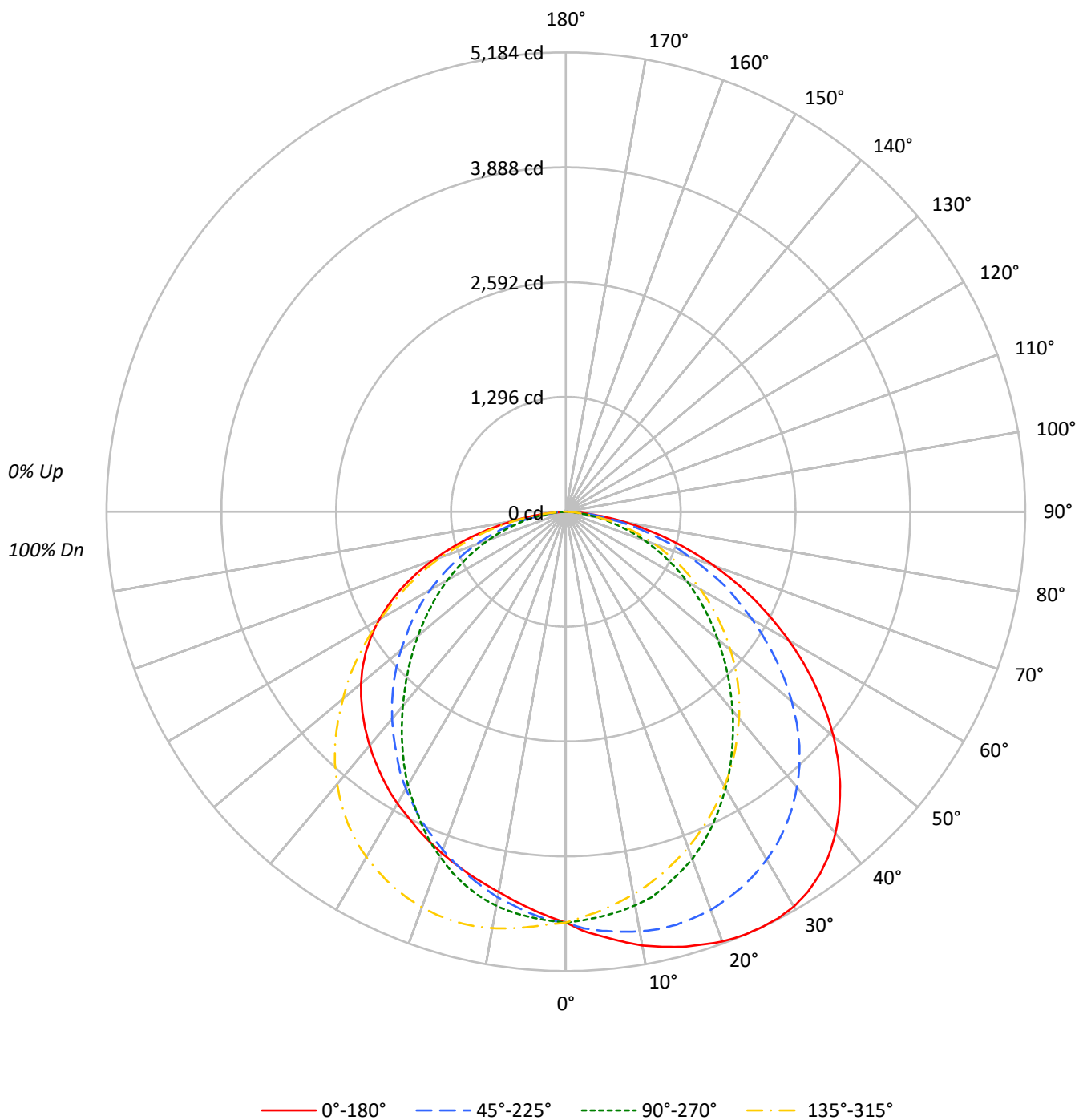
Lumens per Lamp: N/A
Luminaire Lumens: 13600.4 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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°	6237	6237	6237	6237
5°	6501	6192	6076	6203
10°	6790	6161	5952	6169
15°	7081	6082	5894	6084
20°	7390	5972	5868	5938
25°	7696	5805	5868	5745
30°	7993	5603	5907	5541
35°	8206	5373	5966	5287
40°	8315	5141	6049	5025
45°	8331	4907	6166	4784
50°	8252	4683	6317	4559
55°	8081	4475	6458	4350
60°	7828	4257	6544	4147
65°	7477	4007	6510	3914
70°	6985	3714	6279	3646
75°	6285	3311	5762	3294
80°	5329	2773	4843	2815
85°	3707	1836	3072	1886

Classified

Scaled Data Report

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Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.1	3.2
10°-20°	1274.5	9.4
20°-30°	1953.2	14.4
30°-40°	2375.0	17.5
40°-50°	2468.9	18.2
50°-60°	2230.2	16.4
60°-70°	1695.5	12.5
70°-80°	945.2	7.0
80°-90°	217.6	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°	3667.8	27.0
0°-40°	6042.8	44.4
0°-60°	10742.0	79.0
0°-90°	13600.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13600.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4636	4636	4636	4636	4636	
5°	4813	4585	4498	4592	4813	464
15°	5083	4366	4231	4368	5083	1441
25°	5184	3910	3952	3870	5184	2394
35°	4996	3271	3632	3219	4996	3120
45°	4378	2579	3241	2514	4378	3371
55°	3445	1908	2753	1854	3445	3075
65°	2349	1259	2045	1230	2349	2321
75°	1209	637	1108	634	1209	1284
85°	240	119	199	122	240	302
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°	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7
2.5°	4738.4	4669.2	4670.3	4730.8	4684.3	4707.0	4642.1	4667.0	4659.4	4664.8	4611.9
5°	4813.0	4738.4	4737.3	4789.2	4737.3	4747.0	4664.8	4681.1	4657.3	4642.1	4584.8
7.5°	4891.9	4817.3	4809.7	4855.2	4787.0	4779.5	4688.6	4688.6	4645.4	4607.5	4553.5
10°	4969.8	4893.0	4883.3	4917.9	4833.5	4808.7	4698.4	4681.1	4623.8	4567.5	4509.1
12.5°	5028.2	4950.3	4942.7	4964.4	4869.2	4823.8	4698.4	4664.8	4580.5	4501.6	4456.2
15°	5083.3	5003.3	4982.8	4993.6	4884.4	4823.8	4683.2	4631.3	4523.2	4419.4	4366.4
17.5°	5122.2	5045.5	5024.9	5023.8	4891.9	4805.4	4650.8	4579.4	4449.7	4324.2	4271.2
20°	5161.2	5084.4	5058.4	5039.0	4889.8	4780.5	4603.2	4507.0	4355.6	4215.0	4170.7
22.5°	5180.6	5101.7	5073.6	5044.4	4875.7	4735.1	4544.8	4422.6	4249.6	4082.0	4045.2
25°	5183.9	5102.8	5072.5	5030.3	4847.6	4681.1	4469.1	4321.0	4127.4	3941.4	3910.1
27.5°	5175.2	5086.6	5056.3	5005.5	4805.4	4615.1	4379.4	4205.3	3997.7	3792.2	3758.7
30°	5145.0	5055.2	5026.0	4960.0	4745.9	4534.0	4281.0	4076.6	3853.9	3635.4	3606.2
32.5°	5084.4	4996.8	4973.0	4907.1	4681.1	4439.9	4166.4	3938.2	3694.9	3486.2	3442.9
35°	4995.7	4908.1	4893.0	4823.8	4590.2	4327.5	4040.9	3786.8	3526.2	3313.2	3271.0
37.5°	4880.0	4806.5	4783.8	4715.7	4483.2	4199.9	3897.1	3622.4	3354.3	3125.0	3099.1
40°	4734.1	4664.8	4647.5	4587.0	4358.8	4058.2	3741.4	3452.7	3176.9	2963.9	2927.2
42.5°	4567.5	4502.6	4492.9	4430.2	4205.3	3901.4	3572.7	3276.4	2992.0	2786.6	2749.8
45°	4378.3	4315.6	4313.4	4253.9	4037.7	3727.3	3395.4	3098.0	2811.5	2598.4	2579.0
47.5°	4169.6	4113.4	4113.4	4058.2	3850.6	3535.9	3212.6	2912.0	2629.8	2441.6	2407.0
50°	3942.5	3889.5	3873.3	3846.3	3644.1	3327.2	3020.1	2730.4	2450.3	2270.8	2237.3
52.5°	3700.3	3654.9	3665.7	3616.0	3420.2	3109.9	2825.5	2526.0	2269.7	2106.4	2072.9
55°	3445.1	3380.2	3390.0	3371.6	3186.7	2886.1	2607.1	2357.3	2092.4	1938.8	1907.5
57.5°	3180.2	3095.8	3130.4	3119.6	2938.0	2656.8	2407.0	2165.9	1916.1	1774.5	1744.2
60°	2908.8	2827.7	2863.4	2853.6	2682.8	2427.6	2200.5	1976.7	1740.9	1612.3	1582.0
62.5°	2629.8	2555.2	2587.6	2580.0	2423.3	2192.9	1995.0	1789.6	1564.7	1449.0	1420.9
65°	2348.6	2277.3	2306.5	2301.1	2156.2	1981.0	1784.2	1596.0	1387.3	1286.8	1258.7
67.5°	2061.0	1995.0	2022.1	2022.1	1889.1	1721.5	1572.3	1400.3	1213.2	1126.7	1100.8
70°	1775.5	1713.9	1737.7	1735.5	1623.1	1486.8	1358.1	1204.6	1037.0	965.6	944.0
72.5°	1487.9	1433.8	1455.5	1453.3	1359.2	1271.6	1144.0	1011.0	865.1	807.8	788.3
75°	1208.9	1158.1	1178.6	1176.5	1099.7	1017.5	932.1	821.8	696.4	656.4	636.9
77.5°	942.9	891.0	908.3	908.3	852.1	792.6	724.5	639.1	550.4	507.1	493.1
80°	687.7	662.9	654.2	655.3	617.4	578.5	543.9	461.7	396.8	367.7	357.9
82.5°	452.0	431.4	422.8	425.0	403.3	379.5	357.9	300.6	257.4	240.1	234.6
85°	240.1	224.9	217.3	222.8	218.4	205.5	194.6	155.7	128.7	122.2	118.9
87.5°	75.7	66.0	60.6	80.0	68.1	60.6	58.4	46.5	35.7	35.7	34.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7
2.5°	4629.2	4629.2	4587.0	4577.3	4572.9	4578.3	4536.2	4528.6	4589.2	4568.6	4522.1
5°	4592.4	4590.2	4530.8	4519.9	4519.9	4513.5	4465.9	4455.1	4515.6	4498.3	4447.5
7.5°	4547.0	4540.5	4470.2	4462.6	4451.8	4447.5	4394.5	4386.9	4438.8	4428.0	4380.5
10°	4491.8	4485.3	4402.1	4396.7	4384.8	4376.1	4326.4	4321.0	4374.0	4356.7	4318.8
12.5°	4419.4	4407.5	4322.1	4316.7	4306.9	4303.7	4255.0	4252.9	4311.3	4294.0	4253.9
15°	4324.2	4314.5	4219.3	4221.5	4222.6	4222.6	4183.7	4181.5	4238.8	4231.2	4188.0
17.5°	4219.3	4206.4	4115.5	4122.0	4129.6	4138.2	4108.0	4113.4	4173.9	4164.2	4125.3
20°	4100.4	4087.4	3998.7	4017.1	4033.4	4050.7	4031.2	4046.3	4102.6	4098.2	4069.0
22.5°	3967.4	3954.4	3872.2	3900.3	3927.4	3959.8	3951.2	3968.5	4027.9	4026.9	4000.9
25°	3805.2	3808.4	3736.0	3770.6	3816.0	3861.4	3864.7	3892.8	3958.7	3952.3	3928.5
27.5°	3653.8	3658.1	3581.4	3639.7	3700.3	3758.7	3772.8	3811.7	3878.7	3873.3	3852.8
30°	3494.9	3500.3	3425.6	3505.7	3579.2	3650.6	3680.8	3733.8	3801.9	3801.9	3780.3
32.5°	3329.4	3339.1	3261.3	3368.3	3453.8	3537.0	3590.0	3645.2	3723.0	3720.8	3702.5
35°	3159.6	3170.5	3099.1	3235.3	3320.8	3422.4	3488.4	3561.9	3631.1	3632.2	3618.1
37.5°	2986.6	2999.6	2934.7	3083.9	3181.3	3301.3	3385.6	3459.2	3535.9	3540.3	3527.3
40°	2814.7	2828.8	2772.5	2916.3	3039.6	3173.7	3271.0	3357.5	3441.9	3444.0	3435.4
42.5°	2642.8	2657.9	2615.7	2756.3	2895.8	3039.6	3154.2	3252.6	3339.1	3344.5	3334.8
45°	2475.2	2488.1	2457.9	2611.4	2745.5	2902.3	3034.2	3145.6	3233.2	3240.7	3237.5
47.5°	2308.6	2320.5	2293.5	2434.1	2588.7	2755.2	2907.7	3031.0	3124.0	3132.6	3130.4
50°	2145.4	2155.1	2125.9	2273.0	2426.5	2603.8	2762.8	2905.5	3009.3	3018.0	3016.9
52.5°	1983.2	1992.9	1968.0	2122.6	2262.1	2449.2	2622.2	2776.8	2879.6	2892.6	2894.7
55°	1826.4	1830.7	1811.2	1959.4	2094.5	2290.3	2489.2	2639.5	2742.2	2753.1	2759.5
57.5°	1669.6	1670.7	1654.4	1796.1	1925.8	2125.9	2334.6	2492.5	2589.8	2600.6	2610.3
60°	1513.9	1512.8	1494.4	1631.7	1756.1	1954.0	2171.3	2328.1	2422.2	2431.9	2444.9
62.5°	1359.2	1356.0	1339.8	1466.3	1583.1	1778.8	1997.2	2148.6	2238.3	2244.8	2262.1
65°	1205.7	1202.4	1187.3	1304.1	1410.1	1597.1	1811.2	1955.0	2036.1	2044.8	2041.5
67.5°	1054.3	1047.8	1035.9	1140.8	1237.0	1410.1	1615.5	1752.8	1819.9	1827.4	1848.0
70°	902.9	895.3	868.3	979.7	1064.0	1218.7	1410.1	1532.2	1588.5	1596.0	1592.8
72.5°	753.7	746.1	716.9	819.6	891.0	1026.2	1197.0	1298.7	1347.3	1353.8	1353.8
75°	608.8	604.5	586.1	663.9	723.4	833.7	978.6	1062.9	1100.8	1108.4	1106.2
77.5°	469.3	466.1	447.7	514.7	561.2	643.4	760.2	826.1	854.2	862.9	881.3
80°	336.3	335.2	306.0	372.0	392.5	461.7	547.2	598.0	613.1	625.0	638.0
82.5°	215.2	216.3	187.1	243.3	251.9	296.3	349.3	380.6	391.4	401.2	410.9
85°	104.9	109.2	93.0	128.7	129.8	152.5	175.2	187.1	191.4	199.0	207.6
87.5°	27.0	31.4	17.3	36.8	32.4	42.2	48.7	51.9	50.8	56.2	59.5
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°	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7
2.5°	4537.2	4571.9	4554.6	4610.8	4632.4	4597.8	4658.4	4659.4	4616.2	4667.0	4695.1
5°	4467.0	4502.6	4491.8	4550.2	4577.3	4547.0	4620.5	4634.6	4592.4	4649.7	4695.1
7.5°	4395.6	4437.8	4423.7	4483.2	4515.6	4491.8	4570.8	4593.5	4561.0	4623.8	4684.3
10°	4334.0	4369.6	4354.5	4417.2	4445.3	4425.9	4503.7	4545.9	4515.6	4592.4	4664.8
12.5°	4273.4	4302.6	4285.3	4337.2	4364.2	4339.4	4434.5	4473.5	4451.8	4531.8	4624.8
15°	4195.6	4228.0	4204.2	4250.7	4271.2	4249.6	4327.5	4394.5	4367.5	4455.1	4557.8
17.5°	4136.1	4154.5	4122.0	4158.8	4170.7	4141.5	4220.4	4286.4	4266.9	4362.1	4481.0
20°	4070.1	4085.3	4039.8	4060.4	4059.3	4022.5	4095.0	4159.9	4146.9	4251.8	4386.9
22.5°	3996.6	4004.2	3951.2	3955.5	3953.3	3892.8	3957.7	4023.6	4018.2	4124.2	4275.6
25°	3918.7	3919.8	3851.7	3849.5	3825.7	3754.4	3811.7	3886.3	3870.1	3984.7	4143.6
27.5°	3842.0	3831.1	3749.0	3729.5	3691.7	3606.2	3657.0	3724.1	3714.4	3826.8	4003.1
30°	3759.8	3745.7	3645.2	3609.5	3554.3	3455.9	3498.1	3560.8	3566.2	3664.6	3849.5
32.5°	3681.9	3646.2	3534.9	3483.0	3413.8	3299.1	3321.8	3385.6	3394.3	3493.8	3684.1
35°	3581.4	3557.6	3420.2	3331.6	3263.4	3138.0	3161.8	3206.1	3219.1	3316.4	3510.0
37.5°	3486.2	3448.4	3302.4	3194.2	3106.7	2974.7	2981.2	3026.6	3039.6	3138.0	3329.4
40°	3387.8	3333.7	3176.9	3050.4	2949.9	2811.5	2803.9	2851.5	2861.2	2957.4	3130.4
42.5°	3282.9	3218.0	3041.8	2903.4	2787.7	2647.1	2632.0	2673.0	2683.9	2777.9	2947.7
45°	3176.9	3099.1	2903.4	2752.0	2625.5	2481.6	2466.5	2497.9	2514.1	2602.8	2766.0
47.5°	3064.5	2973.7	2760.6	2591.9	2461.1	2317.3	2298.9	2330.3	2343.2	2430.8	2585.5
50°	2946.6	2836.3	2613.6	2427.6	2297.8	2156.2	2129.1	2165.9	2177.8	2260.0	2411.4
52.5°	2816.9	2694.7	2456.8	2262.1	2132.4	1997.2	1964.8	2000.5	2014.5	2094.5	2234.0
55°	2679.5	2547.6	2298.9	2109.7	1969.1	1837.2	1810.1	1824.2	1854.5	1930.2	2059.9
57.5°	2524.9	2394.1	2132.4	1939.9	1804.7	1678.2	1655.5	1668.5	1696.6	1770.1	1886.9
60°	2360.5	2222.1	1962.6	1770.1	1639.3	1519.3	1498.7	1510.6	1540.9	1607.9	1716.1
62.5°	2198.3	2042.6	1787.4	1596.0	1477.1	1365.7	1360.3	1356.0	1384.1	1449.0	1544.1
65°	2001.5	1852.3	1604.7	1423.0	1314.9	1214.3	1192.7	1202.4	1229.5	1288.9	1388.4
67.5°	1790.7	1655.5	1417.6	1250.0	1153.8	1064.0	1045.6	1050.0	1078.1	1130.0	1216.5
70°	1566.8	1447.9	1226.2	1075.9	994.8	910.5	898.6	899.7	926.7	972.1	1047.8
72.5°	1332.2	1225.1	1032.7	904.0	836.9	776.4	765.6	752.6	777.5	816.4	881.3
75°	1093.2	999.1	840.2	735.3	682.3	631.5	621.8	608.8	633.7	667.2	718.0
77.5°	852.1	776.4	653.1	572.0	530.9	493.1	484.4	470.4	495.2	520.1	560.1
80°	616.4	561.2	487.7	402.3	388.2	363.3	354.7	339.5	363.3	379.5	409.8
82.5°	397.9	361.2	319.0	259.5	257.4	239.0	234.6	217.3	239.0	248.7	271.4
85°	201.1	183.8	173.0	131.9	136.2	124.4	123.3	104.9	122.2	126.5	139.5
87.5°	57.3	60.6	54.1	32.4	41.1	38.9	38.9	28.1	38.9	38.9	44.3
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: P838245

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-4STD-50-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7	4635.7
2.5°	4640.0	4658.4	4662.7	4661.6	4673.5	4738.4	4716.8	4738.4
5°	4650.8	4691.9	4702.7	4717.8	4737.3	4810.8	4787.0	4813.0
7.5°	4657.3	4718.9	4742.7	4771.9	4803.3	4885.4	4866.0	4891.9
10°	4657.3	4737.3	4771.9	4820.6	4862.7	4957.9	4939.5	4969.8
12.5°	4637.8	4740.5	4789.2	4857.3	4911.4	5014.1	5006.5	5028.2
15°	4597.8	4724.3	4791.4	4878.9	4946.0	5060.6	5057.4	5083.3
17.5°	4543.7	4696.2	4777.3	4887.6	4971.9	5100.6	5108.2	5122.2
20°	4475.6	4643.2	4749.2	4884.4	4990.3	5132.0	5141.7	5161.2
22.5°	4385.9	4579.4	4707.0	4870.3	4992.5	5145.0	5162.3	5180.6
25°	4279.9	4502.6	4651.9	4843.3	4981.7	5143.9	5167.7	5183.9
27.5°	4158.8	4403.2	4581.6	4800.0	4951.4	5126.6	5155.8	5175.2
30°	4018.2	4297.2	4501.6	4743.8	4910.3	5094.1	5125.5	5145.0
32.5°	3873.3	4180.4	4406.4	4671.3	4850.8	5042.2	5069.3	5084.4
35°	3715.4	4038.8	4291.8	4578.3	4774.1	4959.0	4979.5	4995.7
37.5°	3543.5	3885.2	4160.9	4473.5	4665.9	4843.3	4861.6	4880.0
40°	3366.2	3724.1	4013.9	4344.8	4537.2	4701.6	4721.1	4734.1
42.5°	3187.8	3545.7	3857.1	4193.4	4384.8	4542.7	4554.6	4567.5
45°	3007.2	3360.8	3680.8	4025.8	4215.0	4363.2	4367.5	4378.3
47.5°	2823.3	3169.4	3487.3	3834.4	4021.5	4156.6	4160.9	4169.6
50°	2638.4	2978.0	3280.7	3627.9	3810.6	3953.3	3933.9	3942.5
52.5°	2456.8	2776.8	3086.1	3405.1	3585.7	3712.2	3717.6	3700.3
55°	2278.4	2580.0	2864.4	3171.5	3343.5	3441.9	3438.6	3445.1
57.5°	2097.8	2381.1	2641.7	2922.8	3090.4	3183.4	3202.9	3180.2
60°	1913.9	2180.0	2413.5	2667.6	2829.8	2907.7	2930.4	2908.8
62.5°	1731.2	1975.6	2187.5	2409.2	2559.5	2655.7	2653.6	2629.8
65°	1548.5	1770.1	1959.4	2147.5	2278.4	2374.6	2370.3	2348.6
67.5°	1379.8	1562.5	1732.3	1884.8	1998.3	2064.3	2087.0	2061.0
70°	1193.8	1351.7	1500.9	1623.1	1717.1	1776.6	1798.2	1775.5
72.5°	1007.8	1141.9	1246.8	1364.6	1437.1	1486.8	1509.5	1487.9
75°	824.0	934.3	1019.7	1111.6	1162.4	1204.6	1230.6	1208.9
77.5°	645.6	731.0	799.1	866.1	924.5	934.3	957.0	942.9
80°	475.8	537.4	587.2	631.5	673.7	678.0	696.4	687.7
82.5°	316.8	357.9	370.9	417.4	444.4	440.1	458.5	452.0
85°	167.6	192.5	215.2	229.2	244.4	230.3	246.5	240.1
87.5°	56.2	59.5	51.9	73.5	81.1	69.2	78.9	75.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)