

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: P838124

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6LO-40-120-EDD**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838124
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
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

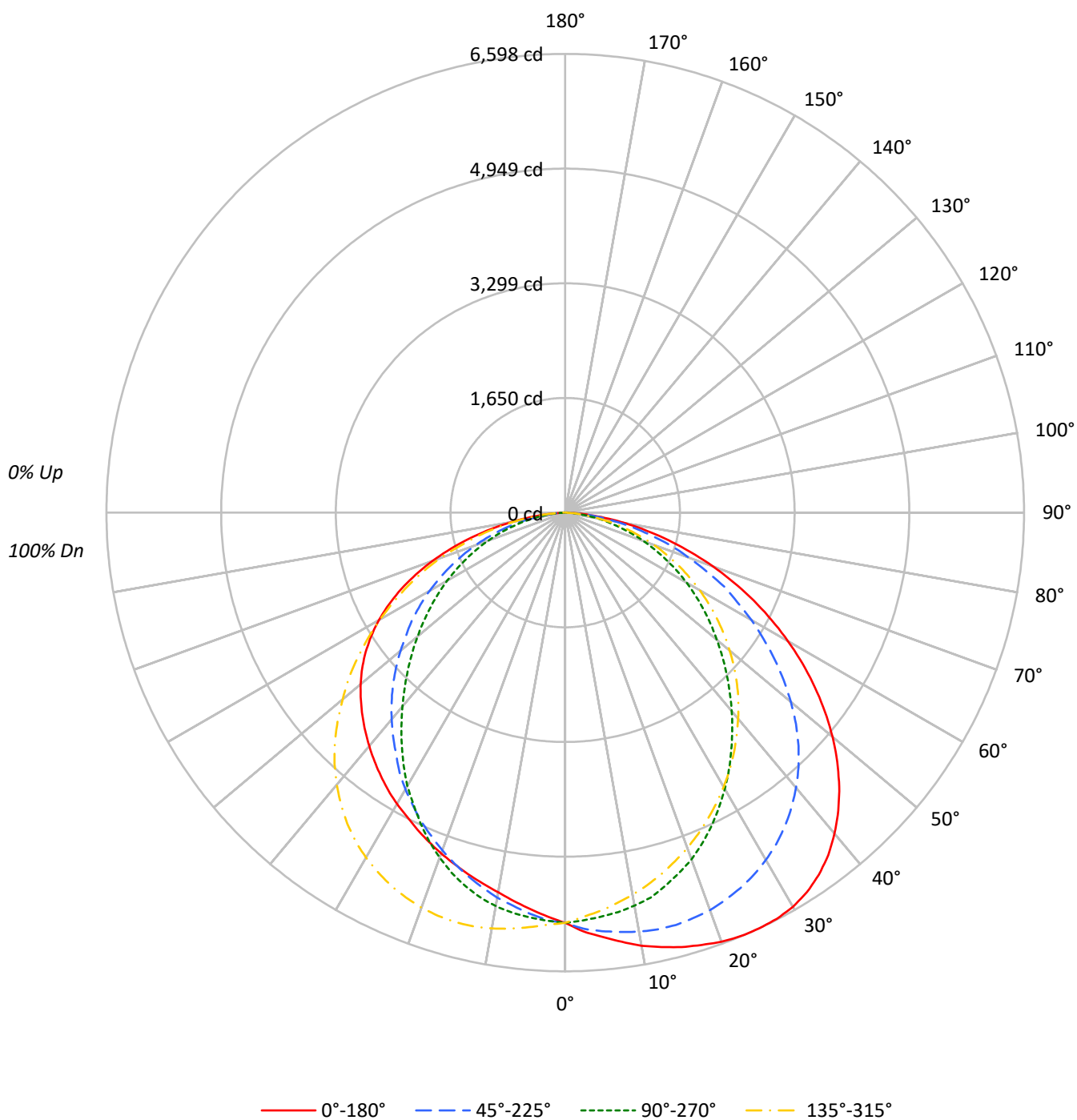
Lumens per Lamp: N/A
Luminaire Lumens: 17310.8 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P838124

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Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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°	7939	7939	7939	7939
5°	8274	7882	7733	7895
10°	8642	7841	7576	7853
15°	9013	7742	7502	7743
20°	9406	7601	7469	7558
25°	9796	7388	7468	7313
30°	10174	7131	7518	7052
35°	10444	6839	7594	6730
40°	10583	6544	7699	6396
45°	10604	6246	7849	6089
50°	10504	5961	8041	5802
55°	10286	5695	8220	5537
60°	9963	5419	8330	5278
65°	9517	5101	8286	4982
70°	8890	4727	7992	4640
75°	7999	4214	7334	4193
80°	6783	3530	6164	3583
85°	4716	2337	3909	2401

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.2	3.2
10°-20°	1622.2	9.4
20°-30°	2486.1	14.4
30°-40°	3022.9	17.5
40°-50°	3142.5	18.2
50°-60°	2838.6	16.4
60°-70°	2158.1	12.5
70°-80°	1203.1	7.0
80°-90°	277.0	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°	4668.5	27.0
0°-40°	7691.4	44.4
0°-60°	13672.6	79.0
0°-90°	17310.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17310.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5900	5900	5900	5900	5900	
5°	6126	5836	5726	5845	6126	591
15°	6470	5558	5386	5559	6470	1835
25°	6598	4977	5030	4926	6598	3048
35°	6359	4163	4623	4097	6359	3971
45°	5573	3283	4125	3200	5573	4291
55°	4385	2428	3504	2360	4385	3914
65°	2989	1602	2603	1565	2989	2954
75°	1539	811	1411	806	1539	1634
85°	306	151	253	156	306	385
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°	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4
2.5°	6031.1	5943.0	5944.4	6021.5	5962.3	5991.2	5908.6	5940.3	5930.6	5937.5	5870.1
5°	6126.1	6031.1	6029.7	6095.8	6029.7	6042.1	5937.5	5958.2	5927.9	5908.6	5835.7
7.5°	6226.6	6131.6	6121.9	6179.8	6093.0	6083.4	5967.8	5967.8	5912.7	5864.6	5795.8
10°	6325.6	6227.9	6215.5	6259.6	6152.2	6120.6	5980.2	5958.2	5885.2	5813.6	5739.3
12.5°	6400.0	6300.9	6291.2	6318.8	6197.6	6139.8	5980.2	5937.5	5830.2	5729.7	5671.9
15°	6470.2	6368.3	6342.2	6355.9	6216.9	6139.8	5960.9	5894.9	5757.2	5625.1	5557.7
17.5°	6519.7	6422.0	6395.8	6394.5	6226.6	6116.4	5919.6	5828.8	5663.6	5504.0	5436.5
20°	6569.3	6471.5	6438.5	6413.7	6223.8	6084.8	5859.1	5736.6	5543.9	5365.0	5308.5
22.5°	6594.0	6493.6	6457.8	6420.6	6205.9	6027.0	5784.7	5629.2	5409.0	5195.7	5148.9
25°	6598.2	6494.9	6456.4	6402.7	6170.1	5958.2	5688.4	5499.8	5253.5	5016.7	4976.8
27.5°	6587.2	6474.3	6435.8	6371.1	6116.4	5874.2	5574.2	5352.6	5088.3	4826.8	4784.1
30°	6548.6	6434.4	6397.2	6313.3	6040.7	5771.0	5448.9	5188.8	4905.3	4627.2	4590.1
32.5°	6471.5	6360.1	6329.8	6245.8	5958.2	5651.2	5303.0	5012.6	4702.9	4437.3	4382.3
35°	6358.7	6247.2	6227.9	6139.8	5842.6	5508.1	5143.4	4819.9	4488.2	4217.1	4163.4
37.5°	6211.4	6117.8	6088.9	6002.2	5706.3	5345.7	4960.3	4610.7	4269.4	3977.6	3944.6
40°	6025.6	5937.5	5915.5	5838.4	5548.0	5165.4	4762.1	4394.6	4043.7	3772.5	3725.7
42.5°	5813.6	5731.1	5718.7	5638.9	5352.6	4965.8	4547.4	4170.3	3808.3	3546.8	3500.0
45°	5572.8	5493.0	5490.2	5414.5	5139.2	4744.2	4321.7	3943.2	3578.5	3307.3	3282.6
47.5°	5307.2	5235.6	5235.6	5165.4	4901.1	4500.6	4089.1	3706.5	3347.3	3107.8	3063.7
50°	5018.1	4950.7	4930.0	4895.6	4638.3	4235.0	3844.1	3475.3	3118.8	2890.3	2847.6
52.5°	4709.8	4652.0	4665.8	4602.5	4353.4	3958.3	3596.4	3215.1	2888.9	2681.1	2638.4
55°	4385.0	4302.4	4314.8	4291.4	4056.1	3673.4	3318.3	3000.4	2663.2	2467.8	2427.9
57.5°	4047.8	3940.5	3984.5	3970.7	3739.5	3381.7	3063.7	2756.8	2438.9	2258.6	2220.0
60°	3702.3	3599.1	3644.5	3632.2	3414.7	3089.9	2800.8	2515.9	2215.9	2052.1	2013.6
62.5°	3347.3	3252.3	3293.6	3283.9	3084.4	2791.2	2539.3	2277.8	1991.6	1844.3	1808.5
65°	2989.4	2898.6	2935.7	2928.8	2744.4	2521.5	2271.0	2031.5	1765.8	1637.8	1602.1
67.5°	2623.3	2539.3	2573.8	2573.8	2404.5	2191.1	2001.2	1782.4	1544.3	1434.1	1401.1
70°	2259.9	2181.5	2211.8	2209.0	2065.9	1892.5	1728.7	1533.2	1319.9	1229.1	1201.5
72.5°	1893.8	1825.0	1852.6	1849.8	1730.1	1618.6	1456.2	1286.9	1101.1	1028.1	1003.3
75°	1538.7	1474.1	1500.2	1497.5	1399.7	1295.1	1186.4	1046.0	886.4	835.4	810.7
77.5°	1200.2	1134.1	1156.1	1156.1	1084.6	1008.9	922.1	813.4	700.6	645.5	627.6
80°	875.4	843.7	832.7	834.1	785.9	736.3	692.3	587.7	505.1	468.0	455.6
82.5°	575.3	549.2	538.1	540.9	513.4	483.1	455.6	382.6	327.6	305.5	298.7
85°	305.5	286.3	276.6	283.5	278.0	261.5	247.7	198.2	163.8	155.5	151.4
87.5°	96.3	84.0	77.1	101.8	86.7	77.1	74.3	59.2	45.4	45.4	44.0
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°	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4
2.5°	5892.1	5892.1	5838.4	5826.0	5820.5	5827.4	5773.7	5764.1	5841.2	5815.0	5755.8
5°	5845.3	5842.6	5766.9	5753.1	5753.1	5744.8	5684.3	5670.5	5747.6	5725.6	5660.9
7.5°	5787.5	5779.2	5689.8	5680.1	5666.4	5660.9	5593.4	5583.8	5649.9	5636.1	5575.5
10°	5717.3	5709.0	5603.1	5596.2	5581.0	5570.0	5506.7	5499.8	5567.3	5545.3	5497.1
12.5°	5625.1	5610.0	5501.2	5494.3	5482.0	5477.8	5415.9	5413.1	5487.5	5465.4	5414.5
15°	5504.0	5491.6	5370.5	5373.2	5374.6	5374.6	5325.0	5322.3	5395.2	5385.6	5330.6
17.5°	5370.5	5354.0	5238.3	5246.6	5256.2	5267.2	5228.7	5235.6	5312.7	5300.3	5250.7
20°	5219.1	5202.6	5089.7	5113.1	5133.7	5155.8	5131.0	5150.3	5221.8	5216.3	5179.2
22.5°	5049.8	5033.3	4928.7	4964.4	4998.9	5040.1	5029.1	5051.2	5126.9	5125.5	5092.4
25°	4843.3	4847.5	4755.2	4799.3	4857.1	4914.9	4919.0	4954.8	5038.8	5030.5	5000.2
27.5°	4650.6	4656.1	4558.4	4632.8	4709.8	4784.1	4802.0	4851.6	4936.9	4930.0	4903.9
30°	4448.3	4455.2	4360.2	4462.1	4555.7	4646.5	4685.1	4752.5	4839.2	4839.2	4811.7
32.5°	4237.7	4250.1	4151.0	4287.3	4396.0	4502.0	4569.4	4639.6	4738.7	4736.0	4712.6
35°	4021.7	4035.4	3944.6	4118.0	4226.7	4356.1	4440.1	4533.7	4621.7	4623.1	4605.2
37.5°	3801.4	3818.0	3735.4	3925.3	4049.2	4202.0	4309.3	4402.9	4500.6	4506.1	4489.6
40°	3582.6	3600.5	3528.9	3712.0	3868.9	4039.6	4163.4	4273.5	4380.9	4383.6	4372.6
42.5°	3363.8	3383.0	3329.4	3508.3	3685.8	3868.9	4014.8	4140.0	4250.1	4257.0	4244.6
45°	3150.4	3167.0	3128.4	3323.9	3494.5	3694.1	3862.0	4003.8	4115.2	4124.9	4120.8
47.5°	2938.5	2953.6	2919.2	3098.1	3295.0	3506.9	3701.0	3857.9	3976.2	3987.2	3984.5
50°	2730.7	2743.0	2705.9	2893.1	3088.5	3314.2	3516.5	3698.2	3830.3	3841.4	3840.0
52.5°	2524.2	2536.6	2504.9	2701.8	2879.3	3117.4	3337.6	3534.4	3665.2	3681.7	3684.5
55°	2324.6	2330.1	2305.4	2493.9	2666.0	2915.1	3168.3	3359.6	3490.4	3504.2	3512.4
57.5°	2125.1	2126.4	2105.8	2286.1	2451.3	2705.9	2971.5	3172.5	3296.3	3310.1	3322.5
60°	1926.9	1925.5	1902.1	2076.9	2235.2	2487.0	2763.7	2963.3	3083.0	3095.4	3111.9
62.5°	1730.1	1725.9	1705.3	1866.3	2015.0	2264.1	2542.1	2734.8	2849.0	2857.3	2879.3
65°	1534.6	1530.5	1511.2	1659.9	1794.7	2032.9	2305.4	2488.4	2591.6	2602.7	2598.5
67.5°	1341.9	1333.7	1318.5	1452.0	1574.5	1794.7	2056.2	2231.0	2316.4	2326.0	2352.2
70°	1149.2	1139.6	1105.2	1247.0	1354.3	1551.1	1794.7	1950.3	2021.8	2031.5	2027.3
72.5°	959.3	949.7	912.5	1043.3	1134.1	1306.1	1523.6	1653.0	1714.9	1723.2	1723.2
75°	774.9	769.4	746.0	845.1	920.8	1061.2	1245.6	1352.9	1401.1	1410.7	1408.0
77.5°	597.3	593.2	569.8	655.1	714.3	818.9	967.6	1051.5	1087.3	1098.3	1121.7
80°	428.0	426.7	389.5	473.5	499.6	587.7	696.4	761.1	780.4	795.5	812.0
82.5°	273.9	275.3	238.1	309.7	320.7	377.1	444.6	484.5	498.2	510.6	523.0
85°	133.5	139.0	118.4	163.8	165.2	194.1	223.0	238.1	243.6	253.2	264.3
87.5°	34.4	39.9	22.0	46.8	41.3	53.7	61.9	66.1	64.7	71.6	75.7
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4
2.5°	5775.1	5819.2	5797.1	5868.7	5896.2	5852.2	5929.3	5930.6	5875.6	5940.3	5976.1
5°	5685.6	5731.1	5717.3	5791.6	5826.0	5787.5	5881.1	5899.0	5845.3	5918.3	5976.1
7.5°	5594.8	5648.5	5630.6	5706.3	5747.6	5717.3	5817.8	5846.7	5805.4	5885.2	5962.3
10°	5516.4	5561.8	5542.5	5622.3	5658.1	5633.3	5732.4	5786.1	5747.6	5845.3	5937.5
12.5°	5439.3	5476.4	5454.4	5520.5	5554.9	5523.2	5644.4	5693.9	5666.4	5768.2	5886.6
15°	5340.2	5381.5	5351.2	5410.4	5436.5	5409.0	5508.1	5593.4	5559.0	5670.5	5801.3
17.5°	5264.5	5287.9	5246.6	5293.4	5308.5	5271.4	5371.8	5455.8	5431.0	5552.1	5703.5
20°	5180.5	5199.8	5142.0	5168.1	5166.8	5120.0	5212.2	5294.8	5278.3	5411.8	5583.8
22.5°	5086.9	5096.6	5029.1	5034.6	5031.9	4954.8	5037.4	5121.4	5114.5	5249.4	5442.0
25°	4987.8	4989.2	4902.5	4899.8	4869.5	4778.6	4851.6	4946.6	4925.9	5071.8	5274.1
27.5°	4890.1	4876.4	4771.8	4747.0	4698.8	4590.1	4654.8	4740.1	4727.7	4870.9	5095.2
30°	4785.5	4767.6	4639.6	4594.2	4524.0	4398.8	4452.5	4532.3	4539.2	4664.4	4899.8
32.5°	4686.4	4641.0	4499.2	4433.2	4345.1	4199.2	4228.1	4309.3	4320.3	4446.9	4689.2
35°	4558.4	4528.1	4353.4	4240.5	4153.8	3994.1	4024.4	4080.8	4097.4	4221.2	4467.6
37.5°	4437.3	4389.1	4203.3	4065.7	3954.2	3786.3	3794.6	3852.4	3868.9	3994.1	4237.7
40°	4312.1	4243.2	4043.7	3882.6	3754.6	3578.5	3568.8	3629.4	3641.8	3764.3	3984.5
42.5°	4178.6	4096.0	3871.6	3695.5	3548.2	3369.3	3350.0	3402.3	3416.1	3535.8	3751.9
45°	4043.7	3944.6	3695.5	3502.8	3341.7	3158.7	3139.4	3179.3	3200.0	3312.8	3520.7
47.5°	3900.5	3784.9	3513.8	3299.1	3132.5	2949.5	2926.1	2966.0	2982.5	3094.0	3290.8
50°	3750.5	3610.1	3326.6	3089.9	2924.7	2744.4	2710.0	2756.8	2771.9	2876.5	3069.2
52.5°	3585.4	3429.8	3127.0	2879.3	2714.1	2542.1	2500.8	2546.2	2564.1	2666.0	2843.5
55°	3410.6	3242.7	2926.1	2685.2	2506.3	2338.4	2304.0	2321.9	2360.4	2456.8	2621.9
57.5°	3213.7	3047.2	2714.1	2469.1	2297.1	2136.1	2107.2	2123.7	2159.5	2253.1	2401.7
60°	3004.5	2828.4	2498.1	2253.1	2086.5	1933.8	1907.6	1922.7	1961.3	2046.6	2184.2
62.5°	2798.1	2599.9	2275.1	2031.5	1880.1	1738.3	1731.4	1725.9	1761.7	1844.3	1965.4
65°	2547.6	2357.7	2042.5	1811.3	1673.6	1545.6	1518.1	1530.5	1564.9	1640.6	1767.2
67.5°	2279.2	2107.2	1804.4	1591.0	1468.6	1354.3	1330.9	1336.4	1372.2	1438.3	1548.4
70°	1994.3	1842.9	1560.8	1369.5	1266.2	1158.9	1143.7	1145.1	1179.5	1237.3	1333.7
72.5°	1695.6	1559.4	1314.4	1150.6	1065.3	988.2	974.4	957.9	989.6	1039.1	1121.7
75°	1391.5	1271.7	1069.4	935.9	868.5	803.8	791.4	774.9	806.5	849.2	913.9
77.5°	1084.6	988.2	831.3	728.1	675.8	627.6	616.6	598.7	630.4	662.0	712.9
80°	784.5	714.3	620.7	512.0	494.1	462.4	451.4	432.2	462.4	483.1	521.6
82.5°	506.5	459.7	406.0	330.3	327.6	304.2	298.7	276.6	304.2	316.6	345.5
85°	256.0	234.0	220.2	167.9	173.4	158.3	156.9	133.5	155.5	161.0	177.5
87.5°	72.9	77.1	68.8	41.3	52.3	49.5	49.5	35.8	49.5	49.5	56.4
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: P838124

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

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4	5900.4
2.5°	5905.9	5929.3	5934.8	5933.4	5948.5	6031.1	6003.6	6031.1
5°	5919.6	5971.9	5985.7	6005.0	6029.7	6123.3	6093.0	6126.1
7.5°	5927.9	6006.3	6036.6	6073.8	6113.7	6218.3	6193.5	6226.6
10°	5927.9	6029.7	6073.8	6135.7	6189.4	6310.5	6287.1	6325.6
12.5°	5903.1	6033.9	6095.8	6182.5	6251.3	6382.1	6372.4	6400.0
15°	5852.2	6013.2	6098.6	6210.0	6295.4	6441.3	6437.1	6470.2
17.5°	5783.4	5977.4	6080.7	6221.0	6328.4	6492.2	6501.8	6519.7
20°	5696.7	5910.0	6044.9	6216.9	6351.8	6532.1	6544.5	6569.3
22.5°	5582.4	5828.8	5991.2	6199.0	6354.5	6548.6	6570.6	6594.0
25°	5447.5	5731.1	5921.0	6164.6	6340.8	6547.2	6577.5	6598.2
27.5°	5293.4	5604.4	5831.5	6109.6	6302.2	6525.2	6562.4	6587.2
30°	5114.5	5469.6	5729.7	6038.0	6249.9	6483.9	6523.8	6548.6
32.5°	4930.0	5320.9	5608.6	5945.8	6174.2	6417.9	6452.3	6471.5
35°	4729.1	5140.6	5462.7	5827.4	6076.5	6311.9	6338.0	6358.7
37.5°	4510.3	4945.2	5296.1	5693.9	5938.9	6164.6	6188.0	6211.4
40°	4284.5	4740.1	5109.0	5530.1	5775.1	5984.3	6009.1	6025.6
42.5°	4057.4	4513.0	4909.4	5337.4	5581.0	5782.0	5797.1	5813.6
45°	3827.6	4277.7	4685.1	5124.1	5365.0	5553.5	5559.0	5572.8
47.5°	3593.6	4034.0	4438.7	4880.5	5118.6	5290.6	5296.1	5307.2
50°	3358.3	3790.4	4175.8	4617.6	4850.2	5031.9	5007.1	5018.1
52.5°	3127.0	3534.4	3928.1	4334.1	4563.9	4725.0	4731.8	4709.8
55°	2899.9	3283.9	3645.9	4036.8	4255.6	4380.9	4376.8	4385.0
57.5°	2670.1	3030.7	3362.4	3720.2	3933.6	4051.9	4076.7	4047.8
60°	2436.1	2774.7	3072.0	3395.4	3601.9	3701.0	3729.9	3702.3
62.5°	2203.5	2514.6	2784.3	3066.5	3257.8	3380.3	3377.5	3347.3
65°	1970.9	2253.1	2493.9	2733.4	2899.9	3022.4	3016.9	2989.4
67.5°	1756.2	1988.8	2204.9	2399.0	2543.5	2627.4	2656.3	2623.3
70°	1519.5	1720.4	1910.4	2065.9	2185.6	2261.3	2288.8	2259.9
72.5°	1282.7	1453.4	1586.9	1736.9	1829.2	1892.5	1921.4	1893.8
75°	1048.8	1189.2	1297.9	1414.9	1479.6	1533.2	1566.3	1538.7
77.5°	821.7	930.4	1017.1	1102.4	1176.8	1189.2	1218.1	1200.2
80°	605.6	684.0	747.4	803.8	857.5	863.0	886.4	875.4
82.5°	403.3	455.6	472.1	531.3	565.7	560.2	583.6	575.3
85°	213.3	245.0	273.9	291.8	311.1	293.2	313.8	305.5
87.5°	71.6	75.7	66.1	93.6	103.2	88.1	100.5	96.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)