

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P838086

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5STD-30-120-EDD**

Issue Date: 5/21/2024

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1121 Highway 74 South
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**Test Information**

Test Method: LM-79-08
Report Number: P838086
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-LD4-5STD-30-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

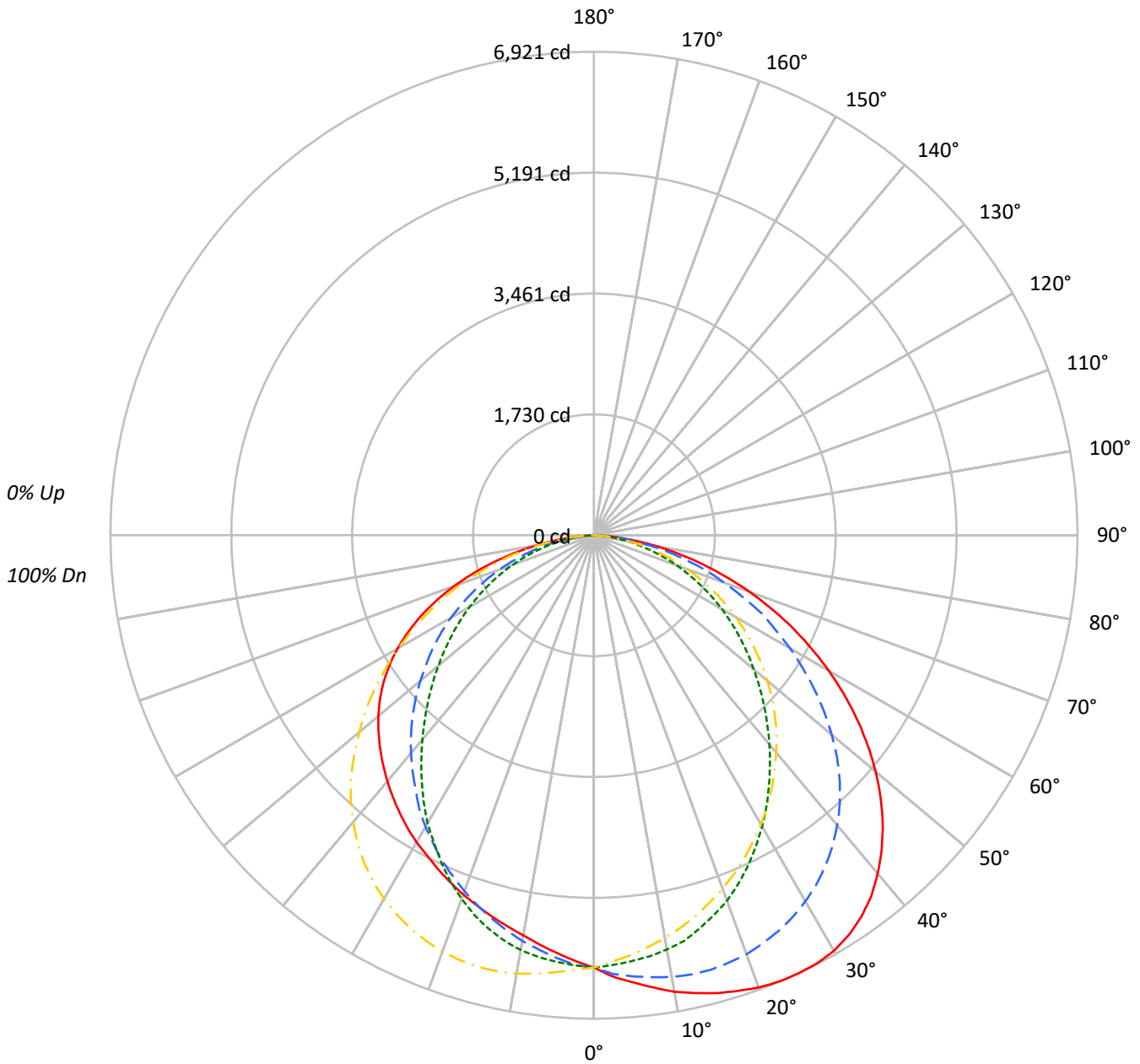
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18158.7 lumens
Efficiency: N/A
Efficacy: 109.1 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): 166.5
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



— 0°-180° - - 45°-225° - · - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	86	86	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	59
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	45	45	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	40	40	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8328	8328	8328	8328
5°	8679	8268	8112	8282
10°	9066	8225	7947	8237
15°	9454	8121	7869	8123
20°	9867	7973	7835	7928
25°	10275	7750	7834	7671
30°	10673	7481	7887	7398
35°	10956	7173	7966	7060
40°	11102	6864	8077	6710
45°	11123	6552	8233	6387
50°	11018	6253	8435	6086
55°	10790	5974	8623	5808
60°	10451	5684	8738	5536
65°	9983	5350	8692	5226
70°	9326	4958	8383	4867
75°	8391	4421	7693	4398
80°	7115	3703	6466	3759
85°	4948	2452	4100	2518



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.6	3.2
10°-20°	1701.7	9.4
20°-30°	2607.9	14.4
30°-40°	3171.0	17.5
40°-50°	3296.4	18.2
50°-60°	2977.7	16.4
60°-70°	2263.8	12.5
70°-80°	1262.1	7.0
80°-90°	290.6	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°	4897.2	27.0
0°-40°	8068.2	44.4
0°-60°	14342.3	79.0
0°-90°	18158.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18158.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6189	6189	6189	6189	6189	
5°	6426	6122	6006	6132	6426	620
15°	6787	5830	5649	5831	6787	1924
25°	6921	5221	5277	5167	6921	3197
35°	6670	4367	4850	4298	6670	4166
45°	5846	3443	4327	3357	5846	4501
55°	4600	2547	3676	2476	4600	4106
65°	3136	1680	2730	1642	3136	3099
75°	1614	850	1480	846	1614	1715
85°	320	159	266	163	320	404
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°	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4
2.5°	6326.5	6234.1	6235.6	6316.4	6254.3	6284.6	6198.0	6231.2	6221.1	6228.3	6157.6
5°	6426.1	6326.5	6325.1	6394.4	6325.1	6338.1	6228.3	6250.0	6218.2	6198.0	6121.5
7.5°	6531.5	6431.9	6421.8	6482.4	6391.5	6381.4	6260.1	6260.1	6202.3	6151.8	6079.6
10°	6635.5	6533.0	6520.0	6566.2	6453.6	6420.4	6273.1	6250.0	6173.5	6098.4	6020.4
12.5°	6713.4	6609.5	6599.4	6628.3	6501.2	6440.6	6273.1	6228.3	6115.7	6010.3	5949.7
15°	6787.1	6680.2	6652.8	6667.2	6521.4	6440.6	6252.9	6183.6	6039.2	5900.6	5829.9
17.5°	6839.0	6736.5	6709.1	6707.7	6531.5	6416.0	6209.6	6114.3	5941.0	5773.6	5702.8
20°	6891.0	6788.5	6753.9	6727.9	6528.6	6382.8	6146.0	6017.5	5815.4	5627.7	5568.5
22.5°	6917.0	6811.6	6774.1	6735.1	6509.9	6322.2	6068.1	5904.9	5673.9	5450.2	5401.1
25°	6921.3	6813.1	6772.6	6716.3	6472.3	6250.0	5967.0	5769.2	5510.8	5262.5	5220.6
27.5°	6909.8	6791.4	6751.0	6683.1	6416.0	6161.9	5847.2	5614.7	5337.5	5063.2	5018.5
30°	6869.4	6749.5	6710.5	6622.5	6336.6	6053.6	5715.8	5442.9	5145.5	4853.9	4814.9
32.5°	6788.5	6671.6	6639.8	6551.7	6250.0	5928.0	5562.8	5258.1	4933.3	4654.6	4596.9
35°	6670.1	6553.2	6533.0	6440.6	6128.7	5777.9	5395.3	5056.0	4708.1	4423.6	4367.3
37.5°	6515.6	6417.5	6387.1	6296.2	5985.8	5607.5	5203.3	4836.6	4478.5	4172.4	4137.8
40°	6320.7	6228.3	6205.2	6124.4	5819.8	5418.4	4995.4	4609.9	4241.7	3957.3	3908.2
42.5°	6098.4	6011.8	5998.8	5915.0	5614.7	5209.0	4770.1	4374.6	3994.9	3720.5	3671.5
45°	5845.7	5762.0	5759.1	5679.7	5391.0	4976.6	4533.4	4136.3	3753.7	3469.3	3443.3
47.5°	5567.1	5492.0	5492.0	5418.4	5141.2	4721.1	4289.4	3888.0	3511.2	3260.0	3213.8
50°	5263.9	5193.2	5171.5	5135.4	4865.4	4442.4	4032.4	3645.5	3271.5	3031.9	2987.1
52.5°	4940.5	4879.9	4894.3	4827.9	4566.6	4152.2	3772.5	3372.6	3030.4	2812.4	2767.7
55°	4599.8	4513.2	4526.2	4501.6	4254.7	3853.4	3480.9	3147.4	2793.7	2588.6	2546.8
57.5°	4246.1	4133.5	4179.7	4165.2	3922.7	3547.3	3213.8	2891.8	2558.3	2369.2	2328.8
60°	3883.7	3775.4	3823.0	3810.1	3581.9	3241.2	2938.0	2639.2	2324.4	2152.6	2112.2
62.5°	3511.2	3411.6	3454.9	3444.8	3235.4	2927.9	2663.7	2389.4	2089.1	1934.6	1897.1
65°	3135.8	3040.5	3079.5	3072.3	2878.8	2644.9	2382.2	2131.0	1852.3	1718.1	1680.5
67.5°	2751.8	2663.7	2699.8	2699.8	2522.2	2298.4	2099.2	1869.7	1619.9	1504.4	1469.7
70°	2370.6	2288.3	2320.1	2317.2	2167.1	1985.2	1813.3	1608.3	1384.6	1289.3	1260.4
72.5°	1986.6	1914.4	1943.3	1940.4	1814.8	1697.8	1527.5	1349.9	1155.0	1078.5	1052.5
75°	1614.1	1546.3	1573.7	1570.8	1468.3	1358.6	1244.5	1097.2	929.8	876.4	850.4
77.5°	1258.9	1189.6	1212.7	1212.7	1137.7	1058.3	967.3	853.3	734.9	677.1	658.3
80°	918.2	885.0	873.5	874.9	824.4	772.4	726.2	616.5	529.9	490.9	477.9
82.5°	603.5	576.1	564.5	567.4	538.5	506.8	477.9	401.4	343.6	320.5	313.3
85°	320.5	300.3	290.2	297.4	291.6	274.3	259.9	207.9	171.8	163.1	158.8
87.5°	101.1	88.1	80.8	106.8	91.0	80.8	78.0	62.1	47.6	47.6	46.2
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°	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4
2.5°	6180.7	6180.7	6124.4	6111.4	6105.6	6112.8	6056.5	6046.4	6127.3	6099.8	6037.8
5°	6131.6	6128.7	6049.3	6034.9	6034.9	6026.2	5962.7	5948.2	6029.1	6006.0	5938.1
7.5°	6071.0	6062.3	5968.5	5958.4	5943.9	5938.1	5867.4	5857.3	5926.6	5912.2	5848.6
10°	5997.3	5988.7	5877.5	5870.3	5854.4	5842.9	5776.4	5769.2	5840.0	5816.9	5766.3
12.5°	5900.6	5884.7	5770.7	5763.4	5750.5	5746.1	5681.2	5678.3	5756.2	5733.1	5679.7
15°	5773.6	5760.6	5633.5	5636.4	5637.8	5637.8	5585.9	5583.0	5659.5	5649.4	5591.6
17.5°	5633.5	5616.2	5494.9	5503.6	5513.7	5525.2	5484.8	5492.0	5572.9	5559.9	5507.9
20°	5474.7	5457.4	5339.0	5363.5	5385.2	5408.3	5382.3	5402.5	5477.6	5471.8	5432.8
22.5°	5297.1	5279.8	5170.1	5207.6	5243.7	5287.0	5275.5	5298.6	5378.0	5376.5	5341.9
25°	5080.6	5084.9	4988.2	5034.4	5095.0	5155.6	5160.0	5197.5	5285.6	5276.9	5245.1
27.5°	4878.4	4884.2	4781.7	4859.7	4940.5	5018.5	5037.2	5089.2	5178.7	5171.5	5144.1
30°	4666.2	4673.4	4573.8	4680.6	4778.8	4874.1	4914.5	4985.3	5076.2	5076.2	5047.3
32.5°	4445.3	4458.3	4354.3	4497.3	4611.3	4722.5	4793.2	4866.9	4970.8	4967.9	4943.4
35°	4218.6	4233.1	4137.8	4319.7	4433.8	4569.5	4657.5	4755.7	4848.1	4849.6	4830.8
37.5°	3987.6	4005.0	3918.3	4117.6	4247.5	4407.8	4520.4	4618.6	4721.1	4726.8	4709.5
40°	3758.1	3776.8	3701.8	3893.8	4058.4	4237.4	4367.3	4482.8	4595.5	4598.3	4586.8
42.5°	3528.5	3548.7	3492.4	3680.1	3866.4	4058.4	4211.4	4342.8	4458.3	4465.5	4452.5
45°	3304.7	3322.1	3281.6	3486.7	3665.7	3875.0	4051.2	4199.9	4316.8	4326.9	4322.6
47.5°	3082.4	3098.3	3062.2	3249.9	3456.3	3678.7	3882.2	4046.8	4171.0	4182.5	4179.7
50°	2864.4	2877.4	2838.4	3034.8	3239.8	3476.5	3688.8	3879.4	4018.0	4029.5	4028.1
52.5°	2647.8	2660.8	2627.6	2834.1	3020.3	3270.1	3501.1	3707.5	3844.7	3862.0	3864.9
55°	2438.5	2444.3	2418.3	2616.1	2796.5	3057.9	3323.5	3524.2	3661.3	3675.8	3684.4
57.5°	2229.1	2230.6	2208.9	2398.1	2571.3	2838.4	3117.1	3327.8	3457.8	3472.2	3485.2
60°	2021.2	2019.8	1995.3	2178.6	2344.6	2608.9	2899.0	3108.4	3234.0	3247.0	3264.3
62.5°	1814.8	1810.5	1788.8	1957.7	2113.6	2375.0	2666.6	2868.7	2988.6	2997.2	3020.3
65°	1609.8	1605.4	1585.2	1741.2	1882.6	2132.4	2418.3	2610.3	2718.6	2730.1	2725.8
67.5°	1407.7	1399.0	1383.1	1523.2	1651.6	1882.6	2157.0	2340.3	2429.8	2439.9	2467.4
70°	1205.5	1195.4	1159.3	1308.0	1420.6	1627.1	1882.6	2045.8	2120.9	2131.0	2126.6
72.5°	1006.3	996.2	957.2	1094.4	1189.6	1370.1	1598.2	1733.9	1798.9	1807.6	1807.6
75°	812.8	807.1	782.5	886.5	965.9	1113.1	1306.6	1419.2	1469.7	1479.8	1477.0
77.5°	626.6	622.3	597.7	687.2	749.3	859.0	1015.0	1103.0	1140.6	1152.1	1176.7
80°	449.0	447.6	408.6	496.6	524.1	616.5	730.5	798.4	818.6	834.5	851.8
82.5°	287.3	288.7	249.8	324.8	336.4	395.6	466.3	508.2	522.6	535.6	548.6
85°	140.0	145.8	124.2	171.8	173.2	203.6	233.9	249.8	255.5	265.6	277.2
87.5°	36.1	41.9	23.1	49.1	43.3	56.3	65.0	69.3	67.9	75.1	79.4
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°	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4
2.5°	6058.0	6104.2	6081.1	6156.1	6185.0	6138.8	6219.7	6221.1	6163.4	6231.2	6268.8
5°	5964.1	6011.8	5997.3	6075.3	6111.4	6071.0	6169.1	6187.9	6131.6	6208.1	6268.8
7.5°	5868.8	5925.1	5906.4	5985.8	6029.1	5997.3	6102.7	6133.0	6089.7	6173.5	6254.3
10°	5786.5	5834.2	5814.0	5897.7	5935.3	5909.3	6013.2	6069.5	6029.1	6131.6	6228.3
12.5°	5705.7	5744.7	5721.6	5790.9	5827.0	5793.8	5920.8	5972.8	5943.9	6050.8	6174.9
15°	5601.7	5645.1	5613.3	5675.4	5702.8	5673.9	5777.9	5867.4	5831.3	5948.2	6085.4
17.5°	5522.3	5546.9	5503.6	5552.7	5568.5	5529.6	5635.0	5723.0	5697.0	5824.1	5982.9
20°	5434.3	5454.5	5393.8	5421.3	5419.8	5370.7	5467.5	5554.1	5536.8	5676.8	5857.3
22.5°	5336.1	5346.2	5275.5	5281.2	5278.3	5197.5	5284.1	5372.2	5365.0	5506.5	5708.6
25°	5232.1	5233.6	5142.6	5139.7	5108.0	5012.7	5089.2	5188.8	5167.2	5320.2	5532.4
27.5°	5129.6	5115.2	5005.5	4979.5	4929.0	4814.9	4882.8	4972.3	4959.3	5109.4	5344.8
30°	5019.9	5001.1	4866.9	4819.2	4745.6	4614.2	4670.5	4754.3	4761.5	4892.9	5139.7
32.5°	4916.0	4868.3	4719.6	4650.3	4557.9	4404.9	4435.2	4520.4	4531.9	4664.8	4918.9
35°	4781.7	4749.9	4566.6	4448.2	4357.2	4189.8	4221.5	4280.7	4298.0	4428.0	4686.4
37.5°	4654.6	4604.1	4409.2	4264.8	4147.9	3971.8	3980.4	4041.1	4058.4	4189.8	4445.3
40°	4523.3	4451.1	4241.7	4072.8	3938.5	3753.7	3743.6	3807.2	3820.2	3948.7	4179.7
42.5°	4383.2	4296.6	4061.3	3876.5	3722.0	3534.3	3514.1	3568.9	3583.4	3709.0	3935.7
45°	4241.7	4137.8	3876.5	3674.3	3505.4	3313.4	3293.2	3335.1	3356.7	3475.1	3693.1
47.5°	4091.6	3970.3	3685.9	3460.7	3286.0	3094.0	3069.4	3111.3	3128.6	3245.5	3452.0
50°	3934.2	3787.0	3489.5	3241.2	3068.0	2878.8	2842.7	2891.8	2907.7	3017.4	3219.6
52.5°	3761.0	3597.8	3280.2	3020.3	2847.1	2666.6	2623.3	2670.9	2689.7	2796.5	2982.8
55°	3577.6	3401.5	3069.4	2816.8	2629.1	2452.9	2416.8	2435.6	2476.0	2577.1	2750.3
57.5°	3371.2	3196.5	2847.1	2590.1	2409.6	2240.7	2210.4	2227.7	2265.2	2363.4	2519.3
60°	3151.7	2966.9	2620.4	2363.4	2188.7	2028.5	2001.0	2016.9	2057.3	2146.9	2291.2
62.5°	2935.1	2727.2	2386.5	2131.0	1972.2	1823.5	1816.2	1810.5	1848.0	1934.6	2061.7
65°	2672.4	2473.1	2142.5	1900.0	1755.6	1621.3	1592.5	1605.4	1641.5	1720.9	1853.8
67.5°	2390.8	2210.4	1892.8	1669.0	1540.5	1420.6	1396.1	1401.9	1439.4	1508.7	1624.2
70°	2092.0	1933.2	1637.2	1436.5	1328.2	1215.6	1199.8	1201.2	1237.3	1297.9	1399.0
72.5°	1778.7	1635.8	1378.8	1207.0	1117.5	1036.6	1022.2	1004.8	1038.1	1090.0	1176.7
75°	1459.6	1334.0	1121.8	981.7	911.0	843.1	830.2	812.8	846.0	890.8	958.6
77.5°	1137.7	1036.6	872.0	763.7	708.9	658.3	646.8	628.0	661.2	694.4	747.9
80°	822.9	749.3	651.1	537.1	518.3	485.1	473.5	453.3	485.1	506.8	547.2
82.5°	531.3	482.2	425.9	346.5	343.6	319.1	313.3	290.2	319.1	332.1	362.4
85°	268.5	245.4	231.0	176.1	181.9	166.0	164.6	140.0	163.1	168.9	186.2
87.5°	76.5	80.8	72.2	43.3	54.9	52.0	52.0	37.5	52.0	52.0	59.2
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: P838086

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5STD-30-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4	6189.4
2.5°	6195.1	6219.7	6225.4	6224.0	6239.9	6326.5	6297.6	6326.5
5°	6209.6	6264.4	6278.9	6299.1	6325.1	6423.2	6391.5	6426.1
7.5°	6218.2	6300.5	6332.3	6371.3	6413.1	6522.9	6496.9	6531.5
10°	6218.2	6325.1	6371.3	6436.2	6492.5	6619.6	6595.0	6635.5
12.5°	6192.2	6329.4	6394.4	6485.3	6557.5	6694.7	6684.6	6713.4
15°	6138.8	6307.7	6397.3	6514.2	6603.7	6756.7	6752.4	6787.1
17.5°	6066.6	6270.2	6378.5	6525.7	6638.4	6810.2	6820.3	6839.0
20°	5975.7	6199.5	6340.9	6521.4	6662.9	6852.0	6865.0	6891.0
22.5°	5855.8	6114.3	6284.6	6502.6	6665.8	6869.4	6892.5	6917.0
25°	5714.4	6011.8	6211.0	6466.6	6651.4	6867.9	6899.7	6921.3
27.5°	5552.7	5878.9	6117.2	6408.8	6610.9	6844.8	6883.8	6909.8
30°	5365.0	5737.5	6010.3	6333.7	6556.1	6801.5	6843.4	6869.4
32.5°	5171.5	5581.5	5883.3	6237.0	6476.7	6732.2	6768.3	6788.5
35°	4960.7	5392.4	5730.2	6112.8	6374.2	6621.0	6648.5	6670.1
37.5°	4731.2	5187.4	5555.5	5972.8	6229.8	6466.6	6491.1	6515.6
40°	4494.4	4972.3	5359.2	5801.0	6058.0	6277.4	6303.4	6320.7
42.5°	4256.2	4734.1	5149.9	5598.9	5854.4	6065.2	6081.1	6098.4
45°	4015.1	4487.2	4914.5	5375.1	5627.7	5825.5	5831.3	5845.7
47.5°	3769.6	4231.6	4656.1	5119.5	5369.3	5549.8	5555.5	5567.1
50°	3522.7	3976.1	4380.3	4843.8	5087.8	5278.3	5252.4	5263.9
52.5°	3280.2	3707.5	4120.5	4546.4	4787.5	4956.4	4963.6	4940.5
55°	3042.0	3444.8	3824.5	4234.5	4464.1	4595.5	4591.1	4599.8
57.5°	2800.9	3179.1	3527.1	3902.5	4126.2	4250.4	4276.4	4246.1
60°	2555.4	2910.6	3222.4	3561.7	3778.3	3882.2	3912.6	3883.7
62.5°	2311.4	2637.7	2920.7	3216.7	3417.4	3545.8	3543.0	3511.2
65°	2067.4	2363.4	2616.1	2867.3	3042.0	3170.5	3164.7	3135.8
67.5°	1842.2	2086.2	2312.9	2516.5	2668.0	2756.1	2786.4	2751.8
70°	1593.9	1804.7	2003.9	2167.1	2292.7	2372.1	2401.0	2370.6
72.5°	1345.6	1524.6	1664.6	1822.0	1918.7	1985.2	2015.5	1986.6
75°	1100.1	1247.4	1361.5	1484.2	1552.0	1608.3	1643.0	1614.1
77.5°	861.9	976.0	1066.9	1156.4	1234.4	1247.4	1277.7	1258.9
80°	635.2	717.5	784.0	843.1	899.5	905.2	929.8	918.2
82.5°	423.0	477.9	495.2	557.3	593.4	587.6	612.1	603.5
85°	223.8	257.0	287.3	306.1	326.3	307.5	329.2	320.5
87.5°	75.1	79.4	69.3	98.2	108.3	92.4	105.4	101.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)