

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: P838072

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6HI-27-120-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: P838072
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-LD4-6HI-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

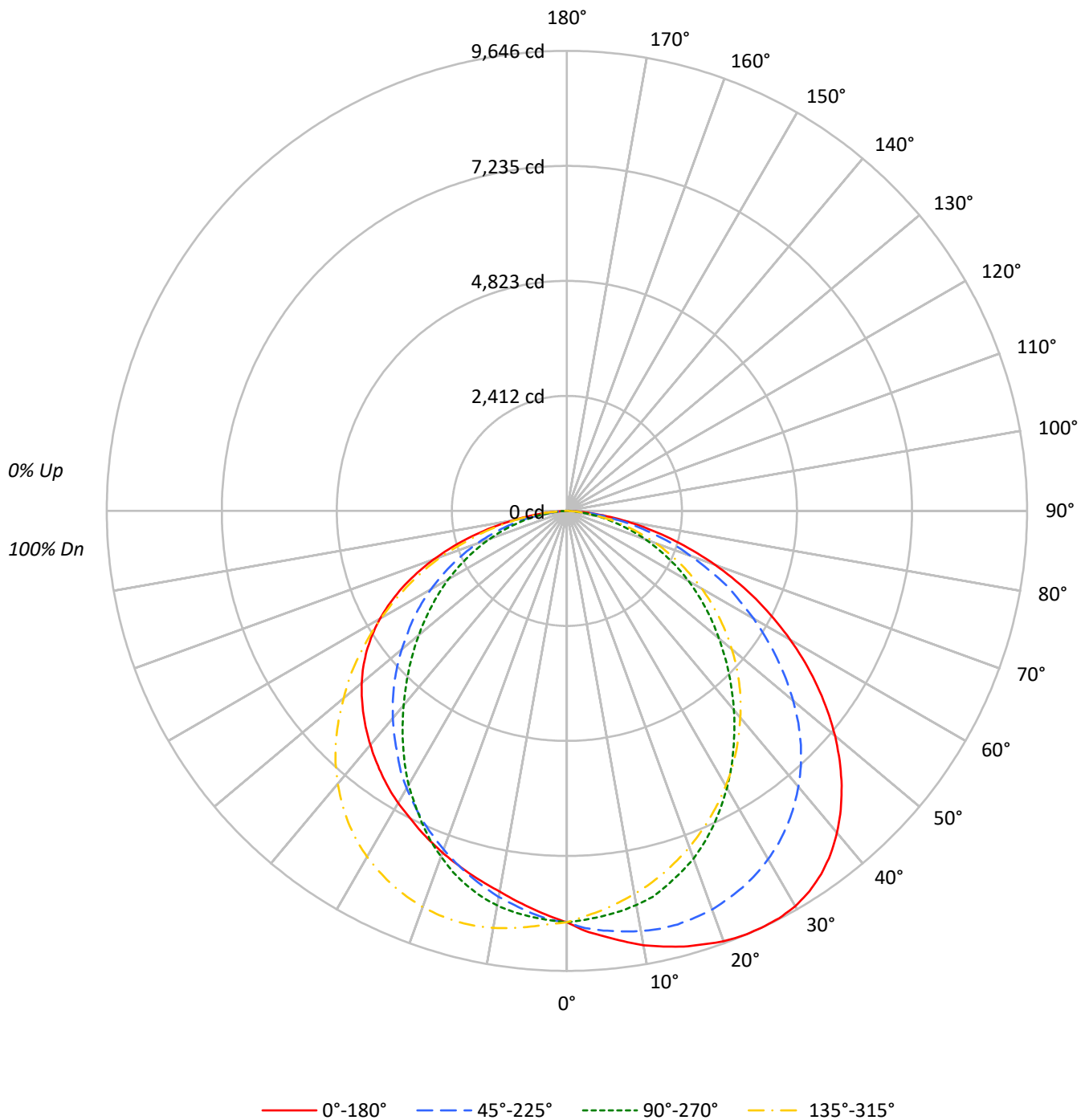
Lumens per Lamp: N/A
Luminaire Lumens: 25306.4 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 264
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11606	11606	11606	11606
5°	12096	11522	11305	11541
10°	12634	11463	11075	11480
15°	13175	11317	10967	11320
20°	13751	11112	10919	11048
25°	14320	10801	10918	10691
30°	14873	10425	10991	10309
35°	15268	9997	11101	9839
40°	15472	9566	11256	9351
45°	15502	9131	11474	8901
50°	15356	8714	11755	8482
55°	15037	8326	12017	8095
60°	14565	7921	12177	7716
65°	13913	7456	12113	7283
70°	12997	6910	11683	6783
75°	11694	6161	10721	6130
80°	9916	5160	9011	5238
85°	6896	3416	5715	3511

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.9	3.2
10°-20°	2371.5	9.4
20°-30°	3634.4	14.4
30°-40°	4419.2	17.5
40°-50°	4594.0	18.2
50°-60°	4149.8	16.4
60°-70°	3154.9	12.5
70°-80°	1758.8	7.0
80°-90°	404.9	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°	6824.8	27.0
0°-40°	11244.0	44.4
0°-60°	19987.7	79.0
0°-90°	25306.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25306.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8626	8626	8626	8626	8626	
5°	8956	8531	8370	8545	8956	864
15°	9459	8125	7873	8127	9459	2682
25°	9646	7276	7354	7201	9646	4455
35°	9296	6086	6758	5990	9296	5806
45°	8147	4799	6030	4678	8147	6272
55°	6410	3549	5123	3451	6410	5722
65°	4370	2342	3805	2288	4370	4319
75°	2250	1185	2062	1179	2250	2389
85°	447	221	370	227	447	562
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°	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6
2.5°	8816.8	8688.0	8690.0	8802.7	8716.2	8758.4	8637.7	8684.0	8669.9	8680.0	8581.4
5°	8955.6	8816.8	8814.8	8911.3	8814.8	8832.9	8680.0	8710.1	8665.9	8637.7	8531.1
7.5°	9102.5	8963.7	8949.6	9034.1	8907.3	8893.2	8724.2	8724.2	8643.7	8573.3	8472.7
10°	9247.4	9104.5	9086.4	9150.8	8993.8	8947.6	8742.3	8710.1	8603.5	8498.9	8390.2
12.5°	9356.0	9211.1	9197.1	9237.3	9060.2	8975.7	8742.3	8680.0	8523.0	8376.1	8291.6
15°	9458.6	9309.7	9271.5	9291.6	9088.4	8975.7	8714.2	8617.6	8416.4	8223.2	8124.6
17.5°	9531.0	9388.2	9350.0	9348.0	9102.5	8941.5	8653.8	8521.0	8279.6	8046.2	7947.6
20°	9603.5	9460.6	9412.3	9376.1	9098.5	8895.2	8565.3	8386.2	8104.5	7842.9	7760.5
22.5°	9639.7	9492.8	9440.5	9386.2	9072.3	8810.7	8456.6	8229.3	7907.3	7595.5	7527.1
25°	9645.7	9494.8	9438.5	9360.0	9020.0	8710.1	8315.8	8040.1	7680.0	7333.9	7275.5
27.5°	9629.6	9464.7	9408.3	9313.7	8941.5	8587.4	8148.8	7824.8	7438.5	7056.2	6993.9
30°	9573.3	9406.3	9352.0	9229.2	8830.9	8436.5	7965.7	7585.4	7170.9	6764.5	6710.2
32.5°	9460.6	9297.7	9253.4	9130.7	8710.1	8261.5	7752.4	7327.9	6875.2	6486.8	6406.3
35°	9295.6	9132.7	9104.5	8975.7	8541.1	8052.2	7519.0	7046.2	6561.3	6164.9	6086.4
37.5°	9080.4	8943.5	8901.3	8774.5	8341.9	7814.8	7251.4	6740.3	6241.4	5814.8	5766.5
40°	8808.7	8680.0	8647.8	8535.1	8110.5	7551.2	6961.7	6424.5	5911.4	5515.0	5446.6
42.5°	8498.9	8378.1	8360.0	8243.3	7824.8	7259.5	6647.8	6096.5	5567.3	5185.0	5116.6
45°	8146.8	8030.1	8026.0	7915.4	7513.0	6935.5	6317.8	5764.5	5231.3	4834.9	4798.7
47.5°	7758.4	7653.8	7653.8	7551.2	7164.9	6579.4	5977.8	5418.4	4893.3	4543.2	4478.8
50°	7335.9	7237.3	7207.1	7156.8	6780.6	6191.1	5619.6	5080.4	4559.3	4225.3	4162.9
52.5°	6885.2	6800.7	6820.8	6728.3	6364.1	5786.6	5257.5	4700.1	4223.3	3919.5	3857.1
55°	6410.4	6289.6	6307.8	6273.6	5929.5	5370.1	4851.0	4386.3	3893.3	3607.6	3549.2
57.5°	5917.4	5760.5	5824.9	5804.7	5466.7	4943.6	4478.8	4030.1	3565.3	3301.8	3245.4
60°	5412.4	5261.5	5327.9	5309.8	4991.9	4517.0	4094.5	3678.0	3239.4	3000.0	2943.6
62.5°	4893.3	4754.5	4814.8	4800.7	4509.0	4080.4	3712.2	3329.9	2911.4	2696.1	2643.8
65°	4370.2	4237.4	4291.7	4281.6	4012.0	3686.1	3319.9	2969.8	2581.5	2394.3	2342.0
67.5°	3835.0	3712.2	3762.5	3762.5	3515.0	3203.2	2925.5	2605.6	2257.5	2096.5	2048.3
70°	3303.8	3189.1	3233.4	3229.3	3020.1	2766.6	2527.1	2241.4	1929.5	1796.8	1756.5
72.5°	2768.6	2668.0	2708.2	2704.2	2529.1	2366.2	2128.7	1881.3	1609.6	1503.0	1466.8
75°	2249.5	2154.9	2193.1	2189.1	2046.2	1893.3	1734.4	1529.2	1295.8	1221.3	1185.1
77.5°	1754.5	1657.9	1690.1	1690.1	1585.5	1474.8	1348.1	1189.1	1024.1	943.6	917.5
80°	1279.7	1233.4	1217.3	1219.3	1148.9	1076.4	1012.1	859.1	738.4	684.1	666.0
82.5°	841.0	802.8	786.7	790.7	750.5	706.2	666.0	559.3	478.9	446.7	436.6
85°	446.7	418.5	404.4	414.5	406.4	382.3	362.2	289.7	239.4	227.4	221.3
87.5°	140.8	122.7	112.7	148.9	126.8	112.7	108.7	86.5	66.4	66.4	64.4
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6
2.5°	8613.6	8613.6	8535.1	8517.0	8508.9	8519.0	8440.5	8426.4	8539.1	8500.9	8414.4
5°	8545.1	8541.1	8430.5	8410.3	8410.3	8398.3	8309.7	8289.6	8402.3	8370.1	8275.5
7.5°	8460.6	8448.6	8317.8	8303.7	8283.6	8275.5	8176.9	8162.9	8259.4	8239.3	8150.8
10°	8358.0	8346.0	8191.0	8181.0	8158.8	8142.7	8050.2	8040.1	8138.7	8106.5	8036.1
12.5°	8223.2	8201.1	8042.1	8032.1	8014.0	8007.9	7917.4	7913.4	8022.0	7989.8	7915.4
15°	8046.2	8028.1	7851.0	7855.0	7857.0	7857.0	7784.6	7780.6	7887.2	7873.1	7792.6
17.5°	7851.0	7826.8	7657.8	7669.9	7684.0	7700.1	7643.8	7653.8	7766.5	7748.4	7675.9
20°	7629.7	7605.5	7440.5	7474.7	7504.9	7537.1	7500.9	7529.1	7633.7	7625.6	7571.3
22.5°	7382.2	7358.0	7205.1	7257.4	7307.7	7368.1	7352.0	7384.2	7494.9	7492.8	7444.6
25°	7080.4	7086.4	6951.6	7016.0	7100.5	7185.0	7191.0	7243.4	7366.1	7354.0	7309.8
27.5°	6798.7	6806.7	6663.9	6772.5	6885.2	6993.9	7020.0	7092.5	7217.2	7207.1	7168.9
30°	6502.9	6513.0	6374.2	6523.0	6659.9	6792.7	6849.0	6947.6	7074.3	7074.3	7034.1
32.5°	6195.1	6213.2	6068.3	6267.5	6426.5	6581.4	6680.0	6782.6	6927.5	6923.4	6889.2
35°	5879.2	5899.3	5766.5	6020.0	6179.0	6368.1	6490.9	6627.7	6756.4	6758.5	6732.3
37.5°	5557.3	5581.4	5460.7	5738.3	5919.4	6142.8	6299.7	6436.5	6579.4	6587.4	6563.3
40°	5237.3	5263.5	5158.9	5426.5	5655.9	5905.3	6086.4	6247.4	6404.3	6408.4	6392.3
42.5°	4917.4	4945.6	4867.1	5128.7	5388.3	5655.9	5869.1	6052.2	6213.2	6223.3	6205.1
45°	4605.6	4629.7	4573.4	4859.1	5108.6	5400.3	5645.8	5853.0	6016.0	6030.1	6024.1
47.5°	4295.7	4317.8	4267.5	4529.1	4816.8	5126.7	5410.4	5639.8	5812.8	5828.9	5824.9
50°	3991.9	4010.0	3955.7	4229.3	4515.0	4845.0	5140.8	5406.4	5599.5	5615.6	5613.6
52.5°	3690.1	3708.2	3661.9	3949.6	4209.2	4557.3	4879.2	5166.9	5358.1	5382.2	5386.2
55°	3398.3	3406.4	3370.2	3645.8	3897.3	4261.5	4631.7	4911.4	5102.5	5122.7	5134.7
57.5°	3106.6	3108.6	3078.4	3342.0	3583.4	3955.7	4344.0	4637.8	4818.8	4839.0	4857.1
60°	2816.9	2814.8	2780.6	3036.2	3267.6	3635.8	4040.2	4331.9	4507.0	4525.1	4549.2
62.5°	2529.1	2523.1	2492.9	2728.3	2945.6	3309.8	3716.2	3997.9	4164.9	4177.0	4209.2
65°	2243.4	2237.4	2209.2	2426.5	2623.7	2971.8	3370.2	3637.8	3788.7	3804.8	3798.7
67.5°	1961.7	1949.7	1927.5	2122.7	2301.8	2623.7	3006.0	3261.5	3386.3	3400.4	3438.6
70°	1680.1	1666.0	1615.7	1822.9	1979.9	2267.6	2623.7	2851.1	2955.7	2969.8	2963.7
72.5°	1402.4	1388.3	1334.0	1525.1	1657.9	1909.4	2227.3	2416.5	2507.0	2519.1	2519.1
75°	1132.8	1124.7	1090.5	1235.4	1346.1	1551.3	1820.9	1977.8	2048.3	2062.3	2058.3
77.5°	873.2	867.2	833.0	957.7	1044.3	1197.2	1414.5	1537.2	1589.5	1605.6	1639.8
80°	625.7	623.7	569.4	692.1	730.4	859.1	1018.1	1112.7	1140.8	1163.0	1187.1
82.5°	400.4	402.4	348.1	452.7	468.8	551.3	649.9	708.2	728.4	746.5	764.6
85°	195.2	203.2	173.0	239.4	241.4	283.7	326.0	348.1	356.1	370.2	386.3
87.5°	50.3	58.3	32.2	68.4	60.4	78.5	90.5	96.6	94.6	104.6	110.7
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°	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6
2.5°	8442.5	8506.9	8474.7	8579.4	8619.6	8555.2	8667.9	8669.9	8589.4	8684.0	8736.3
5°	8311.8	8378.1	8358.0	8466.7	8517.0	8460.6	8597.5	8623.6	8545.1	8651.8	8736.3
7.5°	8179.0	8257.4	8231.3	8341.9	8402.3	8358.0	8504.9	8547.2	8486.8	8603.5	8716.2
10°	8064.3	8130.7	8102.5	8219.2	8271.5	8235.3	8380.2	8458.6	8402.3	8545.1	8680.0
12.5°	7951.6	8005.9	7973.7	8070.3	8120.6	8074.3	8251.4	8323.8	8283.6	8432.5	8605.5
15°	7806.7	7867.1	7822.8	7909.3	7947.6	7907.3	8052.2	8176.9	8126.6	8289.6	8480.8
17.5°	7696.1	7730.3	7669.9	7738.3	7760.5	7706.1	7853.0	7975.7	7939.5	8116.6	8337.9
20°	7573.3	7601.5	7517.0	7555.2	7553.2	7484.8	7619.6	7740.3	7716.2	7911.4	8162.9
22.5°	7436.5	7450.6	7352.0	7360.1	7356.0	7243.4	7364.1	7486.8	7476.8	7673.9	7955.6
25°	7291.6	7293.7	7166.9	7162.9	7118.6	6985.8	7092.5	7231.3	7201.1	7414.4	7710.2
27.5°	7148.8	7128.7	6975.8	6939.5	6869.1	6710.2	6804.7	6929.5	6911.4	7120.6	7448.6
30°	6995.9	6969.7	6782.6	6716.2	6613.6	6430.5	6509.0	6625.7	6635.7	6818.8	7162.9
32.5°	6851.0	6784.6	6577.4	6480.8	6352.0	6138.7	6181.0	6299.7	6315.8	6500.9	6855.0
35°	6663.9	6619.6	6364.1	6199.1	6072.3	5838.9	5883.2	5965.7	5989.9	6170.9	6531.1
37.5°	6486.8	6416.4	6144.8	5943.6	5780.6	5535.1	5547.2	5631.7	5655.9	5838.9	6195.1
40°	6303.7	6203.1	5911.4	5676.0	5488.9	5231.3	5217.2	5305.8	5323.9	5502.9	5824.9
42.5°	6108.6	5987.8	5659.9	5402.3	5187.0	4925.5	4897.3	4973.8	4993.9	5168.9	5484.8
45°	5911.4	5766.5	5402.3	5120.7	4885.2	4617.6	4589.5	4647.8	4678.0	4843.0	5146.8
47.5°	5702.1	5533.1	5136.7	4822.9	4579.4	4311.8	4277.6	4336.0	4360.1	4523.1	4810.8
50°	5482.8	5277.6	4863.1	4517.0	4275.6	4012.0	3961.7	4030.1	4052.3	4205.2	4486.9
52.5°	5241.4	5014.0	4571.4	4209.2	3967.7	3716.2	3655.9	3722.3	3748.4	3897.3	4156.9
55°	4985.8	4740.4	4277.6	3925.5	3663.9	3418.5	3368.2	3394.3	3450.7	3591.5	3832.9
57.5°	4698.1	4454.7	3967.7	3609.6	3358.1	3122.7	3080.4	3104.6	3156.9	3293.7	3511.0
60°	4392.3	4134.7	3651.9	3293.7	3050.3	2826.9	2788.7	2810.8	2867.2	2991.9	3193.1
62.5°	4090.5	3800.7	3325.9	2969.8	2748.5	2541.2	2531.2	2523.1	2575.4	2696.1	2873.2
65°	3724.3	3446.6	2985.9	2647.8	2446.6	2259.5	2219.3	2237.4	2287.7	2398.4	2583.5
67.5°	3331.9	3080.4	2637.8	2325.9	2146.9	1979.9	1945.6	1953.7	2006.0	2102.6	2263.5
70°	2915.5	2694.1	2281.7	2002.0	1851.1	1694.1	1672.0	1674.0	1724.3	1808.8	1949.7
72.5°	2478.8	2279.6	1921.5	1682.1	1557.3	1444.6	1424.5	1400.4	1446.7	1519.1	1639.8
75°	2034.2	1859.1	1563.4	1368.2	1269.6	1175.0	1156.9	1132.8	1179.1	1241.4	1336.0
77.5°	1585.5	1444.6	1215.3	1064.4	987.9	917.5	901.4	875.2	921.5	967.8	1042.2
80°	1146.9	1044.3	907.4	748.5	722.3	676.0	660.0	631.8	676.0	706.2	762.6
82.5°	740.4	672.0	593.6	482.9	478.9	444.7	436.6	404.4	444.7	462.8	505.0
85°	374.2	342.0	321.9	245.5	253.5	231.4	229.4	195.2	227.4	235.4	259.6
87.5°	106.6	112.7	100.6	60.4	76.5	72.4	72.4	52.3	72.4	72.4	82.5
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: P838072

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-6HI-27-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6	8625.6
2.5°	8633.7	8667.9	8675.9	8673.9	8696.1	8816.8	8776.5	8816.8
5°	8653.8	8730.3	8750.4	8778.5	8814.8	8951.6	8907.3	8955.6
7.5°	8665.9	8780.6	8824.8	8879.1	8937.5	9090.4	9054.2	9102.5
10°	8665.9	8814.8	8879.1	8969.7	9048.2	9225.2	9191.0	9247.4
12.5°	8629.7	8820.8	8911.3	9038.1	9138.7	9329.8	9315.8	9356.0
15°	8555.2	8790.6	8915.4	9078.3	9203.1	9416.4	9410.3	9458.6
17.5°	8454.6	8738.3	8889.2	9094.4	9251.4	9490.8	9504.9	9531.0
20°	8327.8	8639.7	8836.9	9088.4	9285.6	9549.2	9567.3	9603.5
22.5°	8160.8	8521.0	8758.4	9062.2	9289.6	9573.3	9605.5	9639.7
25°	7963.7	8378.1	8655.8	9011.9	9269.5	9571.3	9615.6	9645.7
27.5°	7738.3	8193.0	8525.0	8931.5	9213.1	9539.1	9593.4	9629.6
30°	7476.8	7995.9	8376.1	8826.8	9136.7	9478.7	9537.1	9573.3
32.5°	7207.1	7778.6	8199.1	8692.0	9026.0	9382.2	9432.5	9460.6
35°	6913.4	7515.0	7985.8	8519.0	8883.2	9227.2	9265.5	9295.6
37.5°	6593.5	7229.3	7742.3	8323.8	8682.0	9011.9	9046.1	9080.4
40°	6263.5	6929.5	7468.7	8084.4	8442.5	8748.4	8784.6	8808.7
42.5°	5931.5	6597.5	7177.0	7802.7	8158.8	8452.6	8474.7	8498.9
45°	5595.5	6253.4	6849.0	7490.8	7842.9	8118.6	8126.6	8146.8
47.5°	5253.4	5897.3	6488.8	7134.7	7482.8	7734.3	7742.3	7758.4
50°	4909.4	5541.2	6104.5	6750.4	7090.4	7356.0	7319.8	7335.9
52.5°	4571.4	5166.9	5742.4	6335.9	6671.9	6907.3	6917.4	6885.2
55°	4239.4	4800.7	5329.9	5901.3	6221.2	6404.3	6398.3	6410.4
57.5°	3903.4	4430.5	4915.4	5438.6	5750.4	5923.5	5959.7	5917.4
60°	3561.3	4056.3	4490.9	4963.7	5265.5	5410.4	5452.6	5412.4
62.5°	3221.3	3676.0	4070.4	4482.8	4762.5	4941.6	4937.6	4893.3
65°	2881.2	3293.7	3645.8	3995.9	4239.4	4418.4	4410.4	4370.2
67.5°	2567.4	2907.4	3223.3	3507.0	3718.3	3841.0	3883.2	3835.0
70°	2221.3	2515.1	2792.7	3020.1	3195.1	3305.8	3346.0	3303.8
72.5°	1875.2	2124.7	2319.9	2539.2	2674.0	2766.6	2808.8	2768.6
75°	1533.2	1738.4	1897.4	2068.4	2162.9	2241.4	2289.7	2249.5
77.5°	1201.2	1360.1	1486.9	1611.6	1720.3	1738.4	1780.7	1754.5
80°	885.3	1000.0	1092.5	1175.0	1253.5	1261.6	1295.8	1279.7
82.5°	589.5	666.0	690.1	776.6	826.9	818.9	853.1	841.0
85°	311.9	358.1	400.4	426.6	454.7	428.6	458.7	446.7
87.5°	104.6	110.7	96.6	136.8	150.9	128.8	146.9	140.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)