

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: P838122

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5STD-40-120-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: P838122
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-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

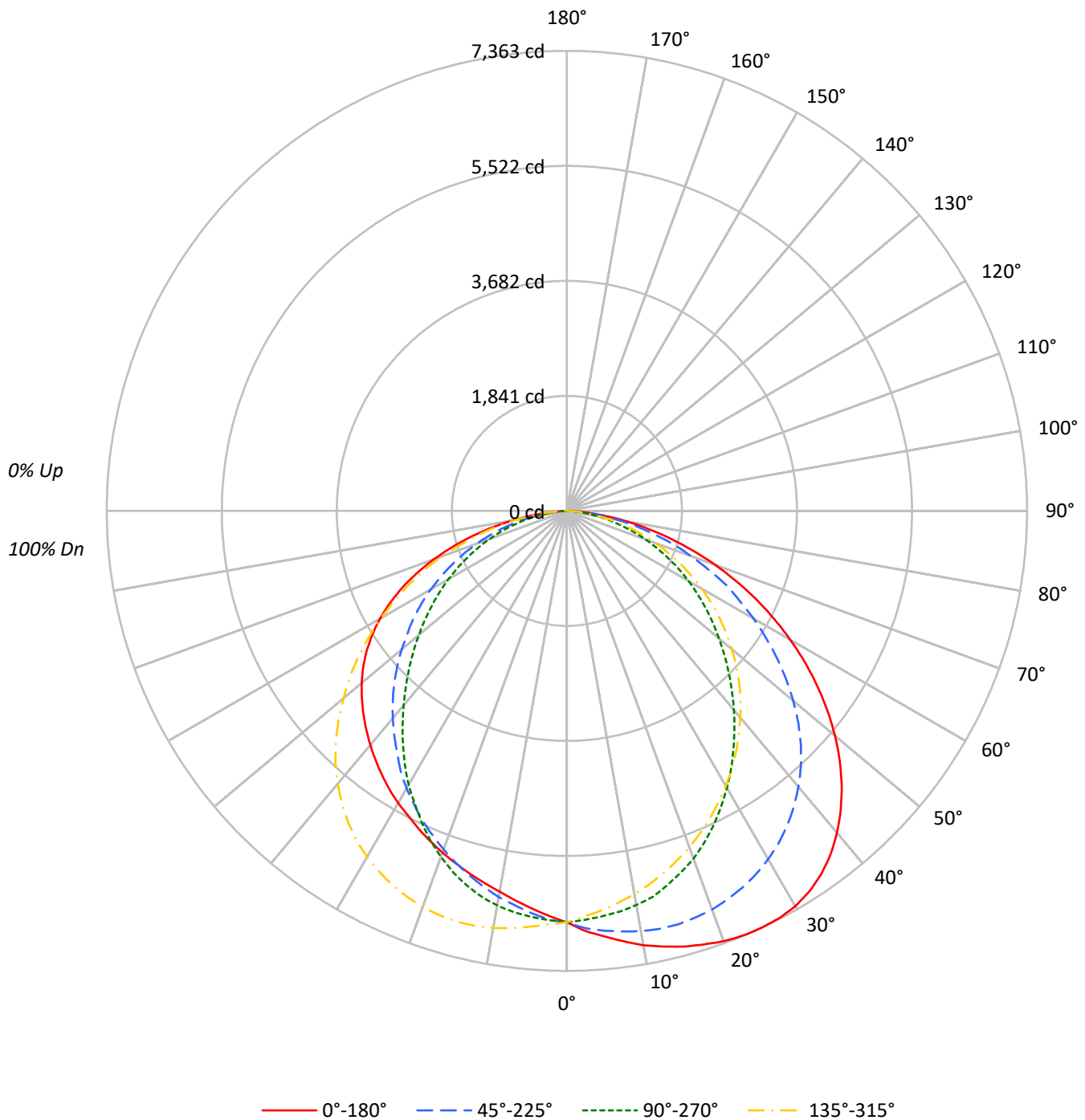
Lumens per Lamp: N/A
Luminaire Lumens: 19317.8 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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



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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°	8859	8859	8859	8859
5°	9233	8796	8630	8810
10°	9644	8750	8455	8763
15°	10058	8639	8372	8641
20°	10497	8482	8335	8434
25°	10931	8245	8334	8161
30°	11354	7958	8390	7870
35°	11655	7631	8474	7510
40°	11810	7303	8592	7138
45°	11833	6970	8759	6795
50°	11722	6652	8973	6475
55°	11479	6355	9173	6179
60°	11118	6047	9295	5890
65°	10621	5692	9247	5560
70°	9921	5275	8918	5178
75°	8926	4703	8184	4679
80°	7569	3939	6879	3999
85°	5264	2607	4363	2680

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.1	3.2
10°-20°	1810.3	9.4
20°-30°	2774.3	14.4
30°-40°	3373.4	17.5
40°-50°	3506.8	18.2
50°-60°	3167.7	16.4
60°-70°	2408.3	12.5
70°-80°	1342.6	7.0
80°-90°	309.1	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°	5209.7	27.0
0°-40°	8583.2	44.4
0°-60°	15257.7	79.0
0°-90°	19317.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19317.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6584	6584	6584	6584	6584	
5°	6836	6512	6389	6523	6836	659
15°	7220	6202	6010	6204	7220	2047
25°	7363	5554	5614	5497	7363	3401
35°	7096	4646	5159	4572	7096	4432
45°	6219	3663	4603	3571	6219	4788
55°	4893	2709	3910	2634	4893	4368
65°	3336	1788	2904	1746	3336	3297
75°	1717	905	1574	900	1717	1824
85°	341	169	283	174	341	429
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°	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4
2.5°	6730.3	6632.0	6633.6	6719.6	6653.5	6685.8	6593.6	6629.0	6618.2	6625.9	6550.6
5°	6836.3	6730.3	6728.8	6802.5	6728.8	6742.6	6625.9	6648.9	6615.1	6593.6	6512.2
7.5°	6948.4	6842.4	6831.7	6896.2	6799.4	6788.7	6659.7	6659.7	6598.2	6544.5	6467.7
10°	7059.0	6950.0	6936.1	6985.3	6865.5	6830.2	6673.5	6648.9	6567.5	6487.7	6404.7
12.5°	7141.9	7031.4	7020.6	7051.3	6916.2	6851.7	6673.5	6625.9	6506.1	6394.0	6329.5
15°	7220.3	7106.6	7077.4	7092.8	6937.7	6851.7	6652.0	6578.3	6424.7	6277.2	6202.0
17.5°	7275.6	7166.5	7137.3	7135.8	6948.4	6825.6	6605.9	6504.5	6320.2	6142.1	6066.8
20°	7330.9	7221.8	7185.0	7157.3	6945.4	6790.2	6538.3	6401.6	6186.6	5987.0	5924.0
22.5°	7358.5	7246.4	7206.5	7165.0	6925.4	6725.7	6455.4	6281.8	6036.1	5798.0	5745.8
25°	7363.1	7247.9	7204.9	7145.0	6885.5	6648.9	6347.9	6137.5	5862.5	5598.4	5553.8
27.5°	7350.8	7224.9	7181.9	7109.7	6825.6	6555.2	6220.4	5973.1	5678.2	5386.4	5338.8
30°	7307.8	7180.3	7138.9	7045.2	6741.1	6440.0	6080.6	5790.4	5474.0	5163.7	5122.2
32.5°	7221.8	7097.4	7063.6	6969.9	6648.9	6306.4	5917.8	5593.8	5248.2	4951.8	4890.3
35°	7095.9	6971.5	6950.0	6851.7	6519.9	6146.7	5739.7	5378.7	5008.6	4706.0	4646.1
37.5°	6931.5	6827.1	6794.8	6698.1	6367.9	5965.4	5535.4	5145.3	4764.4	4438.8	4401.9
40°	6724.2	6625.9	6601.3	6515.3	6191.2	5764.2	5314.2	4904.1	4512.5	4209.9	4157.7
42.5°	6487.7	6395.5	6381.7	6292.6	5973.1	5541.5	5074.6	4653.8	4249.8	3958.0	3905.8
45°	6218.9	6129.8	6126.7	6042.2	5735.1	5294.3	4822.7	4400.4	3993.3	3690.8	3663.1
47.5°	5922.4	5842.6	5842.6	5764.2	5469.4	5022.4	4563.2	4136.2	3735.3	3468.1	3418.9
50°	5599.9	5524.6	5501.6	5463.2	5176.0	4726.0	4289.8	3878.2	3480.4	3225.4	3177.8
52.5°	5255.9	5191.4	5206.7	5136.1	4858.1	4417.3	4013.3	3587.9	3223.9	2991.9	2944.3
55°	4893.4	4801.2	4815.1	4788.9	4526.3	4099.3	3703.1	3348.3	2972.0	2753.9	2709.3
57.5°	4517.1	4397.3	4446.4	4431.1	4173.0	3773.7	3418.9	3076.4	2721.6	2520.4	2477.4
60°	4131.6	4016.4	4067.1	4053.2	3810.6	3448.1	3125.6	2807.6	2472.8	2290.0	2247.0
62.5°	3735.3	3629.3	3675.4	3664.7	3442.0	3114.8	2833.7	2541.9	2222.5	2058.1	2018.2
65°	3336.0	3234.6	3276.1	3268.4	3062.6	2813.8	2534.2	2267.0	1970.6	1827.7	1787.8
67.5°	2927.4	2833.7	2872.1	2872.1	2683.2	2445.2	2233.2	1989.0	1723.3	1600.4	1563.5
70°	2522.0	2434.4	2468.2	2465.1	2305.4	2111.9	1929.1	1711.0	1472.9	1371.6	1340.8
72.5°	2113.4	2036.6	2067.3	2064.3	1930.6	1806.2	1625.0	1436.1	1228.7	1147.3	1119.7
75°	1717.1	1645.0	1674.1	1671.1	1562.0	1445.3	1323.9	1167.3	989.1	932.3	904.6
77.5°	1339.3	1265.6	1290.2	1290.2	1210.3	1125.8	1029.1	907.7	781.8	720.3	700.4
80°	976.8	941.5	929.2	930.8	877.0	821.7	772.6	655.8	563.7	522.2	508.4
82.5°	642.0	612.8	600.5	603.6	572.9	539.1	508.4	427.0	365.5	341.0	333.3
85°	341.0	319.5	308.7	316.4	310.3	291.8	276.5	221.2	182.8	173.6	168.9
87.5°	107.5	93.7	86.0	113.7	96.8	86.0	82.9	66.0	50.7	50.7	49.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4
2.5°	6575.2	6575.2	6515.3	6501.5	6495.3	6503.0	6443.1	6432.4	6518.4	6489.2	6423.1
5°	6523.0	6519.9	6435.4	6420.1	6420.1	6410.9	6343.3	6327.9	6413.9	6389.4	6317.2
7.5°	6458.5	6449.3	6349.4	6338.7	6323.3	6317.2	6241.9	6231.2	6304.9	6289.5	6221.9
10°	6380.1	6370.9	6252.7	6245.0	6228.1	6215.8	6145.1	6137.5	6212.7	6188.2	6134.4
12.5°	6277.2	6260.3	6139.0	6131.3	6117.5	6112.9	6043.8	6040.7	6123.6	6099.1	6042.2
15°	6142.1	6128.3	5993.1	5996.2	5997.7	5997.7	5942.4	5939.3	6020.7	6010.0	5948.6
17.5°	5993.1	5974.7	5845.6	5854.9	5865.6	5877.9	5834.9	5842.6	5928.6	5914.8	5859.5
20°	5824.1	5805.7	5679.8	5705.9	5728.9	5753.5	5725.8	5747.3	5827.2	5821.1	5779.6
22.5°	5635.2	5616.8	5500.1	5540.0	5578.4	5624.5	5612.2	5636.8	5721.2	5719.7	5682.8
25°	5404.8	5409.5	5306.5	5355.7	5420.2	5484.7	5489.3	5529.3	5622.9	5613.7	5579.9
27.5°	5189.8	5196.0	5086.9	5169.9	5255.9	5338.8	5358.8	5414.1	5509.3	5501.6	5472.4
30°	4964.0	4971.7	4865.7	4979.4	5083.8	5185.2	5228.2	5303.5	5400.2	5400.2	5369.5
32.5°	4729.0	4742.9	4632.3	4784.3	4905.7	5023.9	5099.2	5177.5	5288.1	5285.0	5258.9
35°	4487.9	4503.3	4401.9	4595.4	4716.8	4861.1	4954.8	5059.3	5157.6	5159.1	5139.1
37.5°	4242.2	4260.6	4168.4	4380.4	4518.6	4689.1	4808.9	4913.4	5022.4	5028.5	5010.1
40°	3998.0	4017.9	3938.1	4142.3	4317.4	4507.9	4646.1	4769.0	4888.8	4891.9	4879.6
42.5°	3753.7	3775.2	3715.3	3915.0	4113.1	4317.4	4480.2	4620.0	4742.9	4750.5	4736.7
45°	3515.7	3534.1	3491.1	3709.2	3899.7	4122.4	4309.7	4467.9	4592.4	4603.1	4598.5
47.5°	3279.2	3296.0	3257.7	3457.3	3677.0	3913.5	4130.0	4305.1	4437.2	4449.5	4446.4
50°	3047.2	3061.1	3019.6	3228.5	3446.6	3698.5	3924.2	4127.0	4274.4	4286.7	4285.2
52.5°	2816.8	2830.7	2795.3	3015.0	3213.1	3478.8	3724.6	3944.2	4090.1	4108.5	4111.6
55°	2594.1	2600.3	2572.6	2783.1	2975.0	3253.0	3535.6	3749.1	3895.1	3910.4	3919.6
57.5°	2371.4	2373.0	2349.9	2551.1	2735.4	3019.6	3316.0	3540.3	3678.5	3693.8	3707.7
60°	2150.3	2148.7	2122.6	2317.7	2494.3	2775.4	3084.1	3306.8	3440.4	3454.2	3472.7
62.5°	1930.6	1926.0	1903.0	2082.7	2248.6	2526.6	2836.8	3051.8	3179.3	3188.5	3213.1
65°	1712.5	1707.9	1686.4	1852.3	2002.8	2268.5	2572.6	2776.9	2892.1	2904.4	2899.8
67.5°	1497.5	1488.3	1471.4	1620.4	1757.1	2002.8	2294.6	2489.7	2584.9	2595.7	2624.9
70°	1282.5	1271.7	1233.3	1391.5	1511.3	1731.0	2002.8	2176.4	2256.2	2267.0	2262.4
72.5°	1070.5	1059.8	1018.3	1164.2	1265.6	1457.6	1700.2	1844.6	1913.7	1923.0	1923.0
75°	864.7	858.6	832.5	943.0	1027.5	1184.2	1390.0	1509.8	1563.5	1574.3	1571.2
77.5°	666.6	662.0	635.9	731.1	797.1	913.9	1079.7	1173.4	1213.4	1225.7	1251.8
80°	477.7	476.1	434.7	528.4	557.5	655.8	777.2	849.4	870.9	887.8	906.2
82.5°	305.6	307.2	265.7	345.6	357.9	420.8	496.1	540.6	556.0	569.8	583.6
85°	149.0	155.1	132.1	182.8	184.3	216.6	248.8	265.7	271.9	282.6	294.9
87.5°	38.4	44.5	24.6	52.2	46.1	59.9	69.1	73.7	72.2	79.9	84.5
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°	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4
2.5°	6444.6	6493.8	6469.2	6549.1	6579.8	6530.7	6616.7	6618.2	6556.8	6629.0	6668.9
5°	6344.8	6395.5	6380.1	6463.1	6501.5	6458.5	6562.9	6582.9	6523.0	6604.4	6668.9
7.5°	6243.4	6303.3	6283.4	6367.9	6413.9	6380.1	6492.3	6524.5	6478.4	6567.5	6653.5
10°	6155.9	6206.6	6185.1	6274.2	6314.1	6286.5	6397.0	6456.9	6413.9	6523.0	6625.9
12.5°	6069.9	6111.4	6086.8	6160.5	6198.9	6163.6	6298.7	6354.0	6323.3	6437.0	6569.1
15°	5959.3	6005.4	5971.6	6037.6	6066.8	6036.1	6146.7	6241.9	6203.5	6327.9	6473.8
17.5°	5874.8	5900.9	5854.9	5907.1	5924.0	5882.5	5994.6	6088.3	6060.7	6195.8	6364.8
20°	5781.1	5802.6	5738.1	5767.3	5765.8	5713.6	5816.5	5908.6	5890.2	6039.2	6231.2
22.5°	5676.7	5687.4	5612.2	5618.3	5615.3	5529.3	5621.4	5715.1	5707.4	5857.9	6073.0
25°	5566.1	5567.6	5470.9	5467.8	5434.0	5332.7	5414.1	5520.0	5497.0	5659.8	5885.6
27.5°	5457.1	5441.7	5325.0	5297.3	5243.6	5122.2	5194.4	5289.7	5275.8	5435.6	5685.9
30°	5340.3	5320.4	5177.5	5126.8	5048.5	4908.7	4968.6	5057.7	5065.4	5205.2	5467.8
32.5°	5229.8	5179.1	5020.9	4947.1	4848.8	4686.0	4718.3	4808.9	4821.2	4962.5	5232.8
35°	5086.9	5053.1	4858.1	4732.1	4635.4	4457.2	4491.0	4554.0	4572.4	4710.6	4985.5
37.5°	4951.8	4898.0	4690.6	4537.1	4412.6	4225.3	4234.5	4299.0	4317.4	4457.2	4729.0
40°	4812.0	4735.2	4512.5	4332.8	4189.9	3993.3	3982.6	4050.2	4064.0	4200.7	4446.4
42.5°	4663.0	4570.8	4320.5	4123.9	3959.6	3759.9	3738.4	3796.8	3812.1	3945.7	4186.9
45°	4512.5	4401.9	4123.9	3908.9	3729.2	3524.9	3503.4	3547.9	3571.0	3696.9	3928.8
47.5°	4352.7	4223.7	3921.2	3681.6	3495.7	3291.4	3265.3	3309.9	3328.3	3452.7	3672.3
50°	4185.3	4028.7	3712.3	3448.1	3263.8	3062.6	3024.2	3076.4	3093.3	3210.0	3425.1
52.5°	4001.0	3827.5	3489.6	3213.1	3028.8	2836.8	2790.7	2841.4	2861.4	2975.0	3173.2
55°	3806.0	3618.6	3265.3	2996.5	2796.9	2609.5	2571.1	2591.1	2634.1	2741.6	2925.9
57.5°	3586.3	3400.5	3028.8	2755.4	2563.4	2383.7	2351.5	2369.9	2409.8	2514.3	2680.2
60°	3352.9	3156.3	2787.7	2514.3	2328.4	2157.9	2128.8	2145.7	2188.7	2283.9	2437.5
62.5°	3122.5	2901.3	2538.8	2267.0	2098.0	1939.8	1932.2	1926.0	1966.0	2058.1	2193.3
65°	2843.0	2631.0	2279.3	2021.2	1867.7	1724.8	1694.1	1707.9	1746.3	1830.8	1972.1
67.5°	2543.5	2351.5	2013.6	1775.5	1638.8	1511.3	1485.2	1491.4	1531.3	1605.0	1727.9
70°	2225.5	2056.6	1741.7	1528.2	1413.0	1293.2	1276.3	1277.9	1316.3	1380.8	1488.3
72.5°	1892.2	1740.2	1466.8	1284.0	1188.8	1102.8	1087.4	1069.0	1104.3	1159.6	1251.8
75°	1552.8	1419.2	1193.4	1044.4	969.2	897.0	883.1	864.7	900.0	947.7	1019.8
77.5°	1210.3	1102.8	927.7	812.5	754.1	700.4	688.1	668.1	703.4	738.8	795.6
80°	875.5	797.1	692.7	571.4	551.4	516.1	503.8	482.3	516.1	539.1	582.1
82.5°	565.2	513.0	453.1	368.6	365.5	339.4	333.3	308.7	339.4	353.3	385.5
85°	285.7	261.1	245.7	187.4	193.5	176.6	175.1	149.0	173.6	179.7	198.1
87.5°	81.4	86.0	76.8	46.1	58.4	55.3	55.3	39.9	55.3	55.3	63.0
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: P838122

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5STD-40-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4	6584.4
2.5°	6590.6	6616.7	6622.8	6621.3	6638.2	6730.3	6699.6	6730.3
5°	6605.9	6664.3	6679.6	6701.1	6728.8	6833.2	6799.4	6836.3
7.5°	6615.1	6702.7	6736.5	6777.9	6822.5	6939.2	6911.6	6948.4
10°	6615.1	6728.8	6777.9	6847.1	6907.0	7042.1	7016.0	7059.0
12.5°	6587.5	6733.4	6802.5	6899.3	6976.1	7122.0	7111.2	7141.9
15°	6530.7	6710.4	6805.6	6930.0	7025.2	7188.0	7183.4	7220.3
17.5°	6453.9	6670.4	6785.6	6942.3	7062.1	7244.9	7255.6	7275.6
20°	6357.1	6595.2	6745.7	6937.7	7088.2	7289.4	7303.2	7330.9
22.5°	6229.6	6504.5	6685.8	6917.7	7091.3	7307.8	7332.4	7358.5
25°	6079.1	6395.5	6607.5	6879.3	7075.9	7306.3	7340.1	7363.1
27.5°	5907.1	6254.2	6507.6	6817.9	7032.9	7281.7	7323.2	7350.8
30°	5707.4	6103.7	6394.0	6738.0	6974.5	7235.6	7280.2	7307.8
32.5°	5501.6	5937.8	6258.8	6635.1	6890.1	7161.9	7200.3	7221.8
35°	5277.4	5736.6	6096.0	6503.0	6781.0	7043.7	7072.8	7095.9
37.5°	5033.2	5518.5	5910.2	6354.0	6627.4	6879.3	6905.4	6931.5
40°	4781.3	5289.7	5701.3	6171.3	6444.6	6678.1	6705.8	6724.2
42.5°	4527.8	5036.2	5478.6	5956.2	6228.1	6452.3	6469.2	6487.7
45°	4271.3	4773.6	5228.2	5718.2	5987.0	6197.4	6203.5	6218.9
47.5°	4010.2	4501.7	4953.3	5446.3	5712.0	5904.0	5910.2	5922.4
50°	3747.6	4229.9	4659.9	5153.0	5412.5	5615.3	5587.6	5599.9
52.5°	3489.6	3944.2	4383.5	4836.6	5093.1	5272.8	5280.4	5255.9
55°	3236.1	3664.7	4068.6	4504.8	4749.0	4888.8	4884.2	4893.4
57.5°	2979.7	3382.1	3752.2	4151.5	4389.6	4521.7	4549.3	4517.1
60°	2718.5	3096.4	3428.1	3789.1	4019.5	4130.0	4162.3	4131.6
62.5°	2459.0	2806.1	3107.1	3422.0	3635.5	3772.2	3769.1	3735.3
65°	2199.4	2514.3	2783.1	3050.3	3236.1	3372.8	3366.7	3336.0
67.5°	1959.8	2219.4	2460.5	2677.1	2838.3	2932.0	2964.3	2927.4
70°	1695.6	1919.9	2131.8	2305.4	2439.0	2523.5	2554.2	2522.0
72.5°	1431.5	1621.9	1770.9	1938.3	2041.2	2111.9	2144.1	2113.4
75°	1170.4	1327.0	1448.4	1578.9	1651.1	1711.0	1747.9	1717.1
77.5°	916.9	1038.3	1135.0	1230.3	1313.2	1327.0	1359.3	1339.3
80°	675.8	763.3	834.0	897.0	956.9	963.0	989.1	976.8
82.5°	450.0	508.4	526.8	592.9	631.3	625.1	651.2	642.0
85°	238.1	273.4	305.6	325.6	347.1	327.1	350.2	341.0
87.5°	79.9	84.5	73.7	104.4	115.2	98.3	112.1	107.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)