

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: P838212

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5STD-35-120-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: P838212
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-35-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

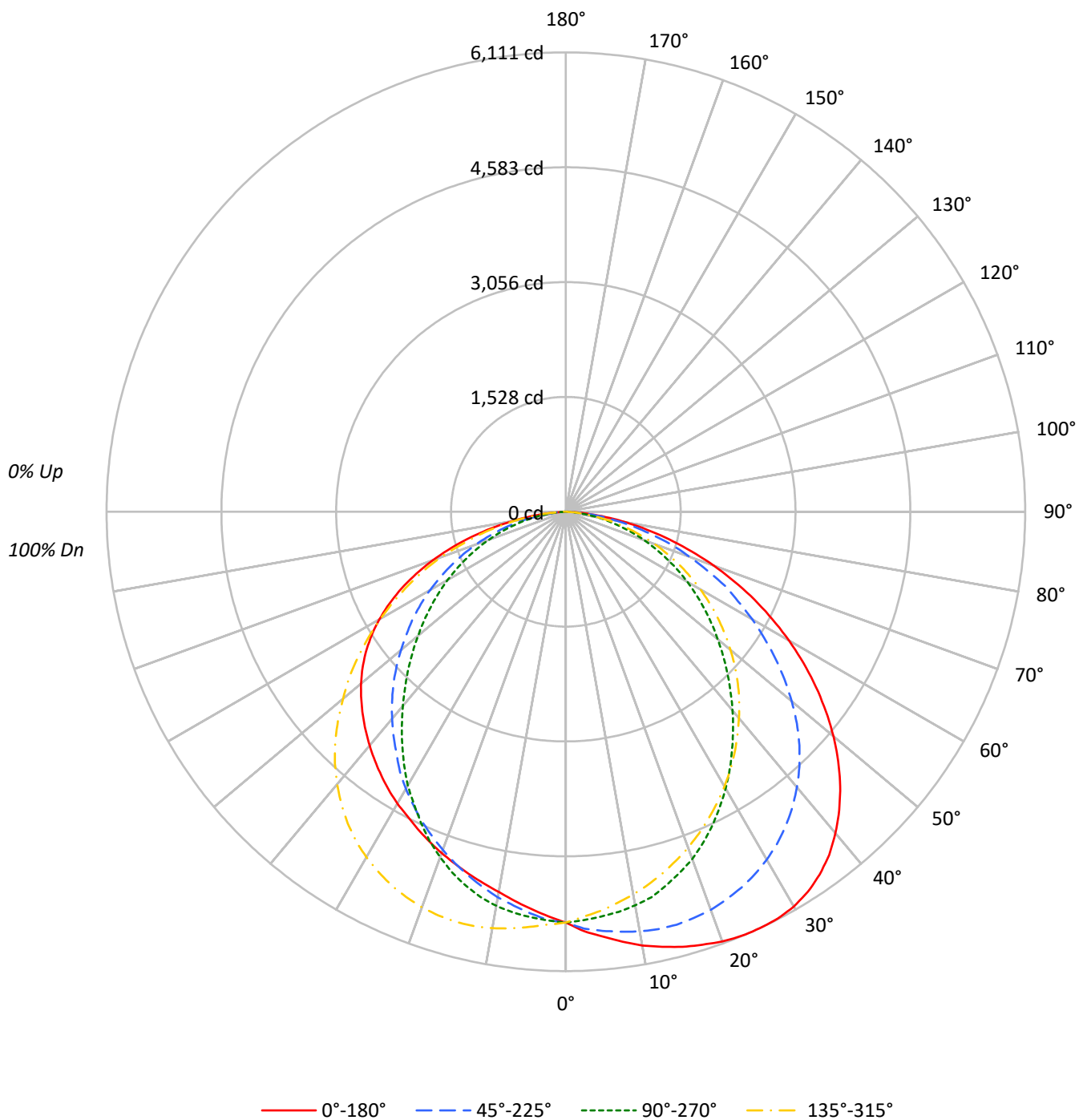
Lumens per Lamp: N/A
Luminaire Lumens: 16033.8 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7353	7353	7353	7353
5°	7664	7300	7163	7312
10°	8005	7263	7017	7273
15°	8348	7170	6948	7172
20°	8712	7040	6918	7000
25°	9073	6843	6917	6773
30°	9424	6605	6964	6532
35°	9674	6334	7034	6234
40°	9803	6061	7131	5925
45°	9822	5785	7270	5640
50°	9729	5521	7448	5374
55°	9527	5275	7613	5129
60°	9228	5019	7715	4888
65°	8815	4724	7675	4614
70°	8235	4378	7402	4298
75°	7409	3904	6793	3883
80°	6282	3270	5709	3319
85°	4369	2164	3622	2225

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.9	3.2
10°-20°	1502.5	9.4
20°-30°	2302.7	14.4
30°-40°	2799.9	17.5
40°-50°	2910.7	18.2
50°-60°	2629.2	16.4
60°-70°	1998.9	12.5
70°-80°	1114.4	7.0
80°-90°	256.6	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°	4324.1	27.0
0°-40°	7124.0	44.4
0°-60°	12663.9	79.0
0°-90°	16033.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16033.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5465	5465	5465	5465	5465	
5°	5674	5405	5303	5414	5674	547
15°	5993	5148	4988	5149	5993	1699
25°	6111	4610	4659	4562	6111	2823
35°	5890	3856	4282	3795	5890	3679
45°	5162	3040	3821	2964	5162	3974
55°	4062	2249	3246	2186	4062	3626
65°	2769	1484	2411	1449	2769	2736
75°	1425	751	1307	747	1425	1514
85°	283	140	235	144	283	356
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°	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1
2.5°	5586.2	5504.6	5505.9	5577.2	5522.4	5549.2	5472.7	5502.0	5493.1	5499.5	5437.0
5°	5674.1	5586.2	5584.9	5646.1	5584.9	5596.4	5499.5	5518.6	5490.6	5472.7	5405.2
7.5°	5767.2	5679.2	5670.3	5723.9	5643.5	5634.6	5527.5	5527.5	5476.5	5431.9	5368.2
10°	5859.0	5768.5	5757.0	5797.8	5698.4	5669.0	5539.0	5518.6	5451.0	5384.8	5315.9
12.5°	5927.8	5836.0	5827.1	5852.6	5740.4	5686.9	5539.0	5499.5	5400.1	5307.0	5253.4
15°	5992.8	5898.5	5874.3	5887.0	5758.3	5686.9	5521.2	5460.0	5332.5	5210.1	5147.6
17.5°	6038.7	5948.2	5924.0	5922.7	5767.2	5665.2	5482.9	5398.8	5245.8	5097.9	5035.5
20°	6084.6	5994.1	5963.5	5940.6	5764.6	5635.9	5426.8	5313.4	5134.9	4969.2	4916.9
22.5°	6107.6	6014.5	5981.4	5946.9	5748.1	5582.3	5358.0	5213.9	5010.0	4812.4	4769.0
25°	6111.4	6015.8	5980.1	5930.4	5714.9	5518.6	5268.7	5094.1	4865.9	4646.6	4609.7
27.5°	6101.2	5996.7	5961.0	5901.0	5665.2	5440.8	5162.9	4957.7	4712.9	4470.7	4431.2
30°	6065.5	5959.7	5925.3	5847.5	5595.1	5345.2	5046.9	4806.0	4543.4	4285.9	4251.5
32.5°	5994.1	5890.8	5862.8	5785.0	5518.6	5234.3	4911.8	4642.8	4356.0	4110.0	4059.0
35°	5889.6	5786.3	5768.5	5686.9	5411.5	5101.7	4763.9	4464.3	4157.1	3906.0	3856.3
37.5°	5753.2	5666.5	5639.7	5559.4	5285.3	4951.3	4594.4	4270.6	3954.4	3684.2	3653.6
40°	5581.1	5499.5	5479.1	5407.7	5138.7	4784.3	4410.8	4070.4	3745.4	3494.2	3450.9
42.5°	5384.8	5308.3	5296.8	5222.9	4957.7	4599.5	4211.9	3862.6	3527.4	3285.2	3241.8
45°	5161.7	5087.7	5085.2	5015.1	4760.1	4394.2	4002.9	3652.3	3314.5	3063.3	3040.4
47.5°	4915.6	4849.3	4849.3	4784.3	4539.6	4168.6	3787.4	3433.0	3100.3	2878.5	2837.7
50°	4647.9	4585.5	4566.3	4534.5	4296.1	3922.6	3560.5	3218.9	2888.7	2677.1	2637.6
52.5°	4362.4	4308.8	4321.6	4262.9	4032.2	3666.3	3331.1	2977.9	2675.8	2483.3	2443.8
55°	4061.5	3985.0	3996.5	3974.8	3756.8	3402.4	3073.5	2779.1	2466.7	2285.7	2248.7
57.5°	3749.2	3649.8	3690.5	3677.8	3463.6	3132.2	2837.7	2553.4	2258.9	2091.9	2056.3
60°	3429.2	3333.6	3375.7	3364.2	3162.8	2861.9	2594.2	2330.3	2052.4	1900.7	1865.0
62.5°	3100.3	3012.4	3050.6	3041.7	2856.8	2585.3	2352.0	2109.8	1844.6	1708.2	1675.1
65°	2768.9	2684.7	2719.1	2712.8	2542.0	2335.4	2103.4	1881.6	1635.6	1517.0	1483.9
67.5°	2429.8	2352.0	2383.9	2383.9	2227.1	2029.5	1853.6	1650.9	1430.3	1328.3	1297.7
70°	2093.2	2020.6	2048.6	2046.1	1913.5	1752.8	1601.1	1420.1	1222.5	1138.4	1112.9
72.5°	1754.1	1690.4	1715.9	1713.3	1602.4	1499.2	1348.7	1191.9	1019.8	952.3	929.3
75°	1425.2	1365.3	1389.5	1387.0	1296.5	1199.6	1098.9	968.8	821.0	773.8	750.9
77.5°	1111.6	1050.4	1070.8	1070.8	1004.5	934.4	854.1	753.4	648.9	597.9	581.3
80°	810.8	781.5	771.3	772.5	727.9	682.0	641.2	544.3	467.9	433.4	422.0
82.5°	532.9	508.6	498.4	501.0	475.5	447.5	422.0	354.4	303.4	283.0	276.6
85°	283.0	265.2	256.2	262.6	257.5	242.2	229.5	183.6	151.7	144.1	140.2
87.5°	89.2	77.8	71.4	94.3	80.3	71.4	68.8	54.8	42.1	42.1	40.8
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°	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1
2.5°	5457.4	5457.4	5407.7	5396.2	5391.1	5397.5	5347.8	5338.9	5410.2	5386.0	5331.2
5°	5414.1	5411.5	5341.4	5328.7	5328.7	5321.0	5264.9	5252.2	5323.6	5303.2	5243.3
7.5°	5360.5	5352.9	5270.0	5261.1	5248.4	5243.3	5180.8	5171.9	5233.1	5220.3	5164.2
10°	5295.5	5287.9	5189.7	5183.3	5169.3	5159.1	5100.5	5094.1	5156.6	5136.2	5091.5
12.5°	5210.1	5196.1	5095.4	5089.0	5077.5	5073.7	5016.3	5013.8	5082.6	5062.2	5015.1
15°	5097.9	5086.5	4974.3	4976.8	4978.1	4978.1	4932.2	4929.7	4997.2	4988.3	4937.3
17.5°	4974.3	4959.0	4851.9	4859.5	4868.5	4878.7	4843.0	4849.3	4920.7	4909.3	4863.4
20°	4834.0	4818.7	4714.2	4735.9	4755.0	4775.4	4752.5	4770.3	4836.6	4831.5	4797.1
22.5°	4677.2	4661.9	4565.1	4598.2	4630.1	4668.3	4658.1	4678.5	4748.6	4747.4	4716.8
25°	4486.0	4489.8	4404.4	4445.2	4498.8	4552.3	4556.1	4589.3	4667.0	4659.4	4631.3
27.5°	4307.5	4312.6	4222.1	4291.0	4362.4	4431.2	4447.8	4493.7	4572.7	4566.3	4542.1
30°	4120.2	4126.5	4038.6	4132.9	4219.6	4303.7	4339.4	4401.9	4482.2	4482.2	4456.7
32.5°	3925.1	3936.6	3844.8	3971.0	4071.7	4169.9	4232.3	4297.3	4389.1	4386.6	4364.9
35°	3725.0	3737.7	3653.6	3814.2	3914.9	4034.7	4112.5	4199.2	4280.8	4282.1	4265.5
37.5°	3521.0	3536.3	3459.8	3635.7	3750.5	3892.0	3991.4	4078.1	4168.6	4173.7	4158.4
40°	3318.3	3334.9	3268.6	3438.1	3583.5	3741.5	3856.3	3958.3	4057.7	4060.2	4050.0
42.5°	3115.6	3133.5	3083.7	3249.5	3413.9	3583.5	3718.6	3834.6	3936.6	3943.0	3931.5
45°	2918.0	2933.3	2897.6	3078.6	3236.7	3421.6	3577.1	3708.4	3811.7	3820.6	3816.8
47.5°	2721.7	2735.7	2703.8	2869.6	3051.9	3248.2	3427.9	3573.3	3682.9	3693.1	3690.5
50°	2529.2	2540.7	2506.3	2679.6	2860.7	3069.7	3257.1	3425.4	3547.8	3558.0	3556.7
52.5°	2338.0	2349.5	2320.1	2502.4	2666.9	2887.4	3091.4	3273.7	3394.8	3410.1	3412.6
55°	2153.1	2158.2	2135.3	2309.9	2469.3	2700.0	2934.6	3111.8	3232.9	3245.6	3253.3
57.5°	1968.3	1969.6	1950.4	2117.4	2270.4	2506.3	2752.3	2938.4	3053.1	3065.9	3077.4
60°	1784.7	1783.4	1761.8	1923.7	2070.3	2303.6	2559.8	2744.6	2855.6	2867.0	2882.3
62.5°	1602.4	1598.6	1579.5	1728.6	1866.3	2097.0	2354.6	2533.0	2638.8	2646.5	2666.9
65°	1421.4	1417.6	1399.7	1537.4	1662.3	1882.9	2135.3	2304.8	2400.4	2410.6	2406.8
67.5°	1242.9	1235.3	1221.3	1344.9	1458.4	1662.3	1904.6	2066.5	2145.5	2154.4	2178.6
70°	1064.5	1055.5	1023.7	1155.0	1254.4	1436.7	1662.3	1806.4	1872.7	1881.6	1877.8
72.5°	888.5	879.6	845.2	966.3	1050.4	1209.8	1411.2	1531.0	1588.4	1596.0	1596.0
75°	717.7	712.6	690.9	782.7	852.8	982.9	1153.7	1253.1	1297.7	1306.7	1304.1
77.5°	553.3	549.4	527.8	606.8	661.6	758.5	896.2	973.9	1007.1	1017.3	1039.0
80°	396.5	395.2	360.8	438.5	462.8	544.3	645.0	705.0	722.8	736.8	752.1
82.5°	253.7	255.0	220.5	286.8	297.0	349.3	411.8	448.7	461.5	473.0	484.4
85°	123.7	128.8	109.6	151.7	153.0	179.7	206.5	220.5	225.6	234.6	244.8
87.5°	31.9	37.0	20.4	43.3	38.2	49.7	57.4	61.2	59.9	66.3	70.1
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1
2.5°	5349.1	5389.9	5369.5	5435.7	5461.2	5420.4	5491.8	5493.1	5442.1	5502.0	5535.2
5°	5266.2	5308.3	5295.5	5364.4	5396.2	5360.5	5447.2	5463.8	5414.1	5481.6	5535.2
7.5°	5182.1	5231.8	5215.2	5285.3	5323.6	5295.5	5388.6	5415.3	5377.1	5451.0	5522.4
10°	5109.4	5151.5	5133.6	5207.6	5240.7	5217.8	5309.5	5359.3	5323.6	5414.1	5499.5
12.5°	5038.0	5072.4	5052.0	5113.2	5145.1	5115.8	5228.0	5273.8	5248.4	5342.7	5452.3
15°	4946.2	4984.5	4956.4	5011.2	5035.5	5010.0	5101.7	5180.8	5148.9	5252.2	5373.3
17.5°	4876.1	4897.8	4859.5	4902.9	4916.9	4882.5	4975.5	5053.3	5030.4	5142.5	5282.8
20°	4798.3	4816.2	4762.7	4786.9	4785.6	4742.3	4827.7	4904.2	4888.9	5012.5	5171.9
22.5°	4711.7	4720.6	4658.1	4663.2	4660.7	4589.3	4665.8	4743.5	4737.2	4862.1	5040.6
25°	4619.9	4621.1	4540.8	4538.3	4510.2	4426.1	4493.7	4581.6	4562.5	4697.6	4885.0
27.5°	4529.4	4516.6	4419.7	4396.8	4352.2	4251.5	4311.4	4390.4	4378.9	4511.5	4719.3
30°	4432.5	4415.9	4297.3	4255.3	4190.3	4074.3	4124.0	4197.9	4204.3	4320.3	4538.3
32.5°	4340.7	4298.6	4167.3	4106.1	4024.5	3889.4	3916.2	3991.4	4001.6	4118.9	4343.2
35°	4222.1	4194.1	4032.2	3927.7	3847.3	3699.5	3727.5	3779.8	3795.1	3909.8	4138.0
37.5°	4110.0	4065.3	3893.2	3765.8	3662.5	3507.0	3514.6	3568.2	3583.5	3699.5	3925.1
40°	3993.9	3930.2	3745.4	3596.2	3477.7	3314.5	3305.6	3361.6	3373.1	3486.6	3690.5
42.5°	3870.3	3793.8	3586.0	3422.8	3286.4	3120.7	3102.9	3151.3	3164.1	3275.0	3475.1
45°	3745.4	3653.6	3422.8	3244.4	3095.2	2925.7	2907.8	2944.8	2963.9	3068.4	3260.9
47.5°	3612.8	3505.7	3254.6	3055.7	2901.4	2731.9	2710.2	2747.2	2762.5	2865.7	3048.0
50°	3473.8	3343.8	3081.2	2861.9	2708.9	2542.0	2510.1	2553.4	2567.4	2664.3	2842.8
52.5°	3320.9	3176.8	2896.3	2666.9	2513.9	2354.6	2316.3	2358.4	2375.0	2469.3	2633.7
55°	3159.0	3003.4	2710.2	2487.1	2321.4	2165.9	2134.0	2150.6	2186.3	2275.5	2428.5
57.5°	2976.7	2822.4	2513.9	2287.0	2127.6	1978.5	1951.7	1967.0	2000.2	2086.8	2224.5
60°	2782.9	2619.7	2313.8	2086.8	1932.6	1791.1	1766.9	1780.9	1816.6	1895.6	2023.1
62.5°	2591.7	2408.1	2107.2	1881.6	1741.4	1610.1	1603.7	1598.6	1631.7	1708.2	1820.4
65°	2359.7	2183.7	1891.8	1677.6	1550.2	1431.6	1406.1	1417.6	1449.4	1519.6	1636.8
67.5°	2111.1	1951.7	1671.3	1473.7	1360.2	1254.4	1232.7	1237.8	1271.0	1332.2	1434.1
70°	1847.2	1707.0	1445.6	1268.4	1172.8	1073.4	1059.4	1060.6	1092.5	1146.0	1235.3
72.5°	1570.6	1444.3	1217.4	1065.7	986.7	915.3	902.6	887.3	916.6	962.5	1039.0
75°	1288.8	1177.9	990.5	866.9	804.4	744.5	733.0	717.7	747.0	786.6	846.5
77.5°	1004.5	915.3	770.0	674.4	625.9	581.3	571.1	554.5	583.9	613.2	660.3
80°	726.6	661.6	574.9	474.2	457.7	428.3	418.1	400.3	428.3	447.5	483.1
82.5°	469.1	425.8	376.1	306.0	303.4	281.7	276.6	256.2	281.7	293.2	320.0
85°	237.1	216.7	204.0	155.5	160.6	146.6	145.3	123.7	144.1	149.2	164.4
87.5°	67.6	71.4	63.7	38.2	48.4	45.9	45.9	33.1	45.9	45.9	52.3
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: P838212

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5STD-35-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1	5465.1
2.5°	5470.2	5491.8	5496.9	5495.7	5509.7	5586.2	5560.7	5586.2
5°	5482.9	5531.4	5544.1	5562.0	5584.9	5671.6	5643.5	5674.1
7.5°	5490.6	5563.2	5591.3	5625.7	5662.7	5759.5	5736.6	5767.2
10°	5490.6	5584.9	5625.7	5683.1	5732.8	5845.0	5823.3	5859.0
12.5°	5467.6	5588.7	5646.1	5726.4	5790.1	5911.2	5902.3	5927.8
15°	5420.4	5569.6	5648.6	5751.9	5830.9	5966.1	5962.2	5992.8
17.5°	5356.7	5536.5	5632.1	5762.1	5861.5	6013.2	6022.2	6038.7
20°	5276.4	5474.0	5598.9	5758.3	5883.2	6050.2	6061.7	6084.6
22.5°	5170.6	5398.8	5549.2	5741.7	5885.7	6065.5	6085.9	6107.6
25°	5045.7	5308.3	5484.2	5709.8	5873.0	6064.2	6092.3	6111.4
27.5°	4902.9	5191.0	5401.3	5658.8	5837.3	6043.8	6078.2	6101.2
30°	4737.2	5066.1	5307.0	5592.5	5788.9	6005.6	6042.6	6065.5
32.5°	4566.3	4928.4	5194.8	5507.1	5718.8	5944.4	5976.3	5994.1
35°	4380.2	4761.4	5059.7	5397.5	5628.2	5846.2	5870.5	5889.6
37.5°	4177.5	4580.4	4905.4	5273.8	5500.8	5709.8	5731.5	5753.2
40°	3968.5	4390.4	4732.1	5122.1	5349.1	5542.8	5565.8	5581.1
42.5°	3758.1	4180.1	4547.2	4943.7	5169.3	5355.4	5369.5	5384.8
45°	3545.2	3962.1	4339.4	4746.1	4969.2	5143.8	5148.9	5161.7
47.5°	3328.5	3736.4	4111.2	4520.4	4741.0	4900.3	4905.4	4915.6
50°	3110.5	3510.8	3867.7	4277.0	4492.4	4660.7	4637.7	4647.9
52.5°	2896.3	3273.7	3638.3	4014.3	4227.2	4376.4	4382.8	4362.4
55°	2686.0	3041.7	3376.9	3739.0	3941.7	4057.7	4053.9	4061.5
57.5°	2473.1	2807.1	3114.3	3445.8	3643.4	3753.0	3776.0	3749.2
60°	2256.4	2570.0	2845.4	3144.9	3336.2	3427.9	3454.7	3429.2
62.5°	2041.0	2329.1	2578.9	2840.3	3017.5	3130.9	3128.4	3100.3
65°	1825.5	2086.8	2309.9	2531.8	2686.0	2799.5	2794.4	2768.9
67.5°	1626.6	1842.1	2042.2	2222.0	2355.8	2433.6	2460.4	2429.8
70°	1407.4	1593.5	1769.4	1913.5	2024.4	2094.5	2120.0	2093.2
72.5°	1188.1	1346.2	1469.8	1608.8	1694.2	1752.8	1779.6	1754.1
75°	971.4	1101.4	1202.1	1310.5	1370.4	1420.1	1450.7	1425.2
77.5°	761.1	861.8	942.1	1021.1	1090.0	1101.4	1128.2	1111.6
80°	560.9	633.6	692.2	744.5	794.2	799.3	821.0	810.8
82.5°	373.5	422.0	437.3	492.1	523.9	518.8	540.5	532.9
85°	197.6	226.9	253.7	270.3	288.1	271.5	290.7	283.0
87.5°	66.3	70.1	61.2	86.7	95.6	81.6	93.1	89.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)