

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: P837910

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6HI-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: P837910
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-24-2-INS-ASY2R-LD4-6HI-40-120-EDD
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

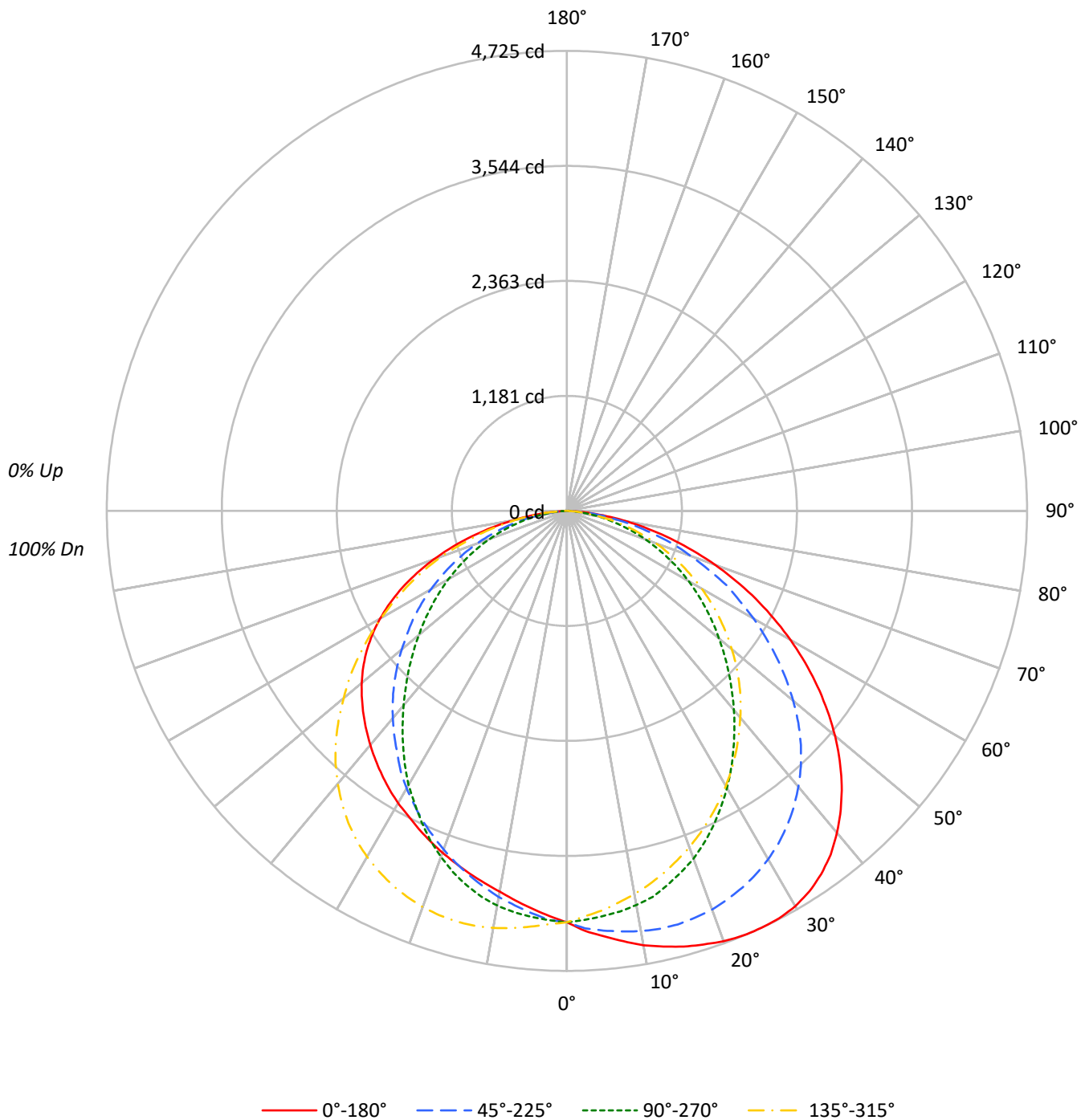
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12397.1 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 132
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°	11371	11371	11371	11371
5°	11851	11289	11076	11308
10°	12378	11231	10851	11247
15°	12909	11088	10745	11091
20°	13472	10887	10698	10825
25°	14030	10583	10697	10474
30°	14572	10214	10769	10101
35°	14960	9795	10876	9639
40°	15159	9373	11028	9162
45°	15188	8946	11242	8721
50°	15045	8537	11517	8310
55°	14733	8157	11774	7931
60°	14270	7761	11931	7559
65°	13632	7305	11868	7136
70°	12734	6770	11446	6646
75°	11458	6037	10504	6005
80°	9715	5057	8828	5133
85°	6756	3347	5601	3440

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.2	3.2
10°-20°	1161.7	9.4
20°-30°	1780.4	14.4
30°-40°	2164.9	17.5
40°-50°	2250.5	18.2
50°-60°	2032.9	16.4
60°-70°	1545.5	12.5
70°-80°	861.6	7.0
80°-90°	198.4	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°	3343.3	27.0
0°-40°	5508.2	44.4
0°-60°	9791.6	79.0
0°-90°	12397.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12397.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4226	4226	4226	4226	4226	
5°	4387	4179	4100	4186	4387	423
15°	4634	3980	3857	3981	4634	1314
25°	4725	3564	3603	3528	4725	2182
35°	4554	2982	3311	2934	4554	2844
45°	3991	2351	2954	2292	3991	3073
55°	3140	1739	2510	1690	3140	2803
65°	2141	1147	1864	1121	2141	2116
75°	1102	581	1010	578	1102	1171
85°	219	108	181	111	219	276
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°	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5
2.5°	4319.2	4256.1	4257.1	4312.3	4269.9	4290.6	4231.4	4254.1	4247.2	4252.1	4203.8
5°	4387.2	4319.2	4318.2	4365.5	4318.2	4327.1	4252.1	4266.9	4245.2	4231.4	4179.2
7.5°	4459.1	4391.1	4384.2	4425.6	4363.5	4356.6	4273.8	4273.8	4234.4	4199.9	4150.6
10°	4530.1	4460.1	4451.2	4482.8	4405.9	4383.2	4282.7	4266.9	4214.7	4163.4	4110.2
12.5°	4583.3	4512.4	4505.5	4525.2	4438.4	4397.0	4282.7	4252.1	4175.3	4103.3	4061.9
15°	4633.6	4560.7	4541.9	4551.8	4452.2	4397.0	4268.9	4221.6	4123.0	4028.4	3980.1
17.5°	4669.1	4599.1	4580.4	4579.4	4459.1	4380.3	4239.3	4174.3	4056.0	3941.7	3893.4
20°	4704.6	4634.6	4610.9	4593.2	4457.2	4357.6	4196.0	4108.2	3970.2	3842.1	3801.7
22.5°	4722.3	4650.3	4624.7	4598.1	4444.3	4316.2	4142.7	4031.4	3873.6	3720.9	3687.4
25°	4725.3	4651.3	4623.7	4585.3	4418.7	4266.9	4073.7	3938.7	3762.3	3592.7	3564.2
27.5°	4717.4	4636.5	4609.0	4562.6	4380.3	4206.8	3991.9	3833.2	3644.0	3456.7	3426.2
30°	4689.8	4608.0	4581.4	4521.2	4326.1	4132.9	3902.2	3715.9	3512.9	3313.8	3287.2
32.5°	4634.6	4554.7	4533.1	4472.9	4266.9	4047.1	3797.8	3589.8	3368.0	3177.8	3138.3
35°	4553.8	4473.9	4460.1	4397.0	4184.1	3944.6	3683.4	3451.8	3214.2	3020.1	2981.6
37.5°	4448.3	4381.3	4360.6	4298.5	4086.6	3828.3	3552.3	3302.0	3057.5	2848.6	2824.9
40°	4315.2	4252.1	4236.4	4181.2	3973.2	3699.2	3410.4	3147.2	2895.9	2701.7	2668.2
42.5°	4163.4	4104.3	4095.4	4038.3	3833.2	3556.3	3256.6	2986.6	2727.3	2540.0	2506.5
45°	3990.9	3933.8	3931.8	3877.6	3680.5	3397.6	3095.0	2823.9	2562.7	2368.5	2350.8
47.5°	3800.7	3749.5	3749.5	3699.2	3509.9	3223.1	2928.4	2654.4	2397.1	2225.6	2194.1
50°	3593.7	3545.4	3530.6	3506.0	3321.7	3032.9	2753.0	2488.8	2233.5	2069.9	2039.3
52.5°	3372.9	3331.5	3341.4	3296.1	3117.6	2834.8	2575.5	2302.5	2068.9	1920.1	1889.5
55°	3140.3	3081.2	3090.0	3073.3	2904.7	2630.7	2376.4	2148.7	1907.3	1767.3	1738.7
57.5°	2898.8	2821.9	2853.5	2843.6	2678.0	2421.8	2194.1	1974.3	1746.6	1617.5	1589.9
60°	2651.4	2577.5	2610.0	2601.2	2445.4	2212.8	2005.8	1801.8	1586.9	1469.6	1442.0
62.5°	2397.1	2329.1	2358.7	2351.8	2208.9	1998.9	1818.5	1631.3	1426.3	1320.8	1295.2
65°	2140.9	2075.8	2102.4	2097.5	1965.4	1805.7	1626.3	1454.8	1264.6	1172.9	1147.3
67.5°	1878.7	1818.5	1843.2	1843.2	1721.9	1569.2	1433.2	1276.4	1105.9	1027.1	1003.4
70°	1618.5	1562.3	1584.0	1582.0	1479.5	1355.3	1238.0	1098.0	945.2	880.2	860.5
72.5°	1356.3	1307.0	1326.7	1324.7	1239.0	1159.1	1042.8	921.6	788.5	736.3	718.5
75°	1102.0	1055.6	1074.4	1072.4	1002.4	927.5	849.6	749.1	634.8	598.3	580.6
77.5°	859.5	812.2	828.0	828.0	776.7	722.5	660.4	582.5	501.7	462.3	449.5
80°	626.9	604.2	596.3	597.3	562.8	527.3	495.8	420.9	361.7	335.1	326.3
82.5°	412.0	393.3	385.4	387.4	367.7	346.0	326.3	274.0	234.6	218.8	213.9
85°	218.8	205.0	198.1	203.0	199.1	187.3	177.4	141.9	117.3	111.4	108.4
87.5°	69.0	60.1	55.2	72.9	62.1	55.2	53.2	42.4	32.5	32.5	31.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5
2.5°	4219.6	4219.6	4181.2	4172.3	4168.4	4173.3	4134.8	4127.9	4183.1	4164.4	4122.0
5°	4186.1	4184.1	4129.9	4120.1	4120.1	4114.1	4070.8	4060.9	4116.1	4100.4	4054.0
7.5°	4144.7	4138.8	4074.7	4067.8	4058.0	4054.0	4005.7	3998.8	4046.1	4036.3	3992.9
10°	4094.4	4088.5	4012.6	4007.7	3996.9	3989.0	3943.6	3938.7	3987.0	3971.2	3936.7
12.5°	4028.4	4017.6	3939.7	3934.8	3925.9	3922.9	3878.6	3876.6	3929.8	3914.1	3877.6
15°	3941.7	3932.8	3846.0	3848.0	3849.0	3849.0	3813.5	3811.6	3863.8	3856.9	3817.5
17.5°	3846.0	3834.2	3751.4	3757.3	3764.2	3772.1	3744.5	3749.5	3804.7	3795.8	3760.3
20°	3737.6	3725.8	3645.0	3661.7	3676.5	3692.3	3674.5	3688.3	3739.6	3735.7	3709.0
22.5°	3616.4	3604.6	3529.7	3555.3	3579.9	3609.5	3601.6	3617.4	3671.6	3670.6	3646.9
25°	3468.5	3471.5	3405.5	3437.0	3478.4	3519.8	3522.8	3548.4	3608.5	3602.6	3580.9
27.5°	3330.5	3334.5	3264.5	3317.7	3372.9	3426.2	3439.0	3474.5	3535.6	3530.6	3511.9
30°	3185.7	3190.6	3122.6	3195.5	3262.5	3327.6	3355.2	3403.5	3465.6	3465.6	3445.9
32.5°	3034.9	3043.7	2972.8	3070.3	3148.2	3224.1	3272.4	3322.7	3393.6	3391.7	3374.9
35°	2880.1	2890.0	2824.9	2949.1	3027.0	3119.6	3179.7	3246.8	3309.9	3310.8	3298.0
37.5°	2722.4	2734.2	2675.1	2811.1	2899.8	3009.2	3086.1	3153.1	3223.1	3227.1	3215.2
40°	2565.7	2578.5	2527.2	2658.3	2770.7	2892.9	2981.6	3060.5	3137.4	3139.3	3131.4
42.5°	2409.0	2422.8	2384.3	2512.5	2639.6	2770.7	2875.2	2964.9	3043.7	3048.6	3039.8
45°	2256.2	2268.0	2240.4	2380.4	2502.6	2645.5	2765.8	2867.3	2947.1	2954.0	2951.1
47.5°	2104.4	2115.2	2090.6	2218.7	2359.7	2511.5	2650.4	2762.8	2847.6	2855.5	2853.5
50°	1955.6	1964.4	1937.8	2071.9	2211.8	2373.5	2518.4	2648.5	2743.1	2751.0	2750.0
52.5°	1807.7	1816.6	1793.9	1934.9	2062.0	2232.5	2390.2	2531.2	2624.8	2636.6	2638.6
55°	1664.8	1668.7	1651.0	1786.0	1909.2	2087.6	2269.0	2406.0	2499.6	2509.5	2515.4
57.5°	1521.9	1522.8	1508.1	1637.2	1755.5	1937.8	2128.0	2271.9	2360.7	2370.5	2379.4
60°	1379.9	1378.9	1362.2	1487.4	1600.7	1781.1	1979.2	2122.1	2207.9	2216.8	2228.6
62.5°	1239.0	1236.0	1221.2	1336.6	1443.0	1621.4	1820.5	1958.5	2040.3	2046.2	2062.0
65°	1099.0	1096.1	1082.3	1188.7	1285.3	1455.8	1651.0	1782.1	1856.0	1863.9	1860.9
67.5°	961.0	955.1	944.3	1039.9	1127.6	1285.3	1472.6	1597.8	1658.9	1665.8	1684.5
70°	823.0	816.1	791.5	893.0	969.9	1110.8	1285.3	1396.7	1447.9	1454.8	1451.9
72.5°	687.0	680.1	653.5	747.1	812.2	935.4	1091.1	1183.8	1228.1	1234.0	1234.0
75°	554.9	551.0	534.2	605.2	659.4	759.9	892.0	968.9	1003.4	1010.3	1008.3
77.5°	427.8	424.8	408.1	469.2	511.6	586.5	692.9	753.0	778.7	786.6	803.3
80°	306.5	305.6	278.9	339.1	357.8	420.9	498.7	545.1	558.9	569.7	581.5
82.5°	196.1	197.1	170.5	221.8	229.7	270.1	318.4	347.0	356.8	365.7	374.6
85°	95.6	99.6	84.8	117.3	118.3	139.0	159.7	170.5	174.5	181.4	189.2
87.5°	24.6	28.6	15.8	33.5	29.6	38.4	44.4	47.3	46.3	51.3	54.2
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5
2.5°	4135.8	4167.4	4151.6	4202.9	4222.6	4191.0	4246.2	4247.2	4207.8	4254.1	4279.7
5°	4071.8	4104.3	4094.4	4147.7	4172.3	4144.7	4211.7	4224.5	4186.1	4238.3	4279.7
7.5°	4006.7	4045.2	4032.3	4086.6	4116.1	4094.4	4166.4	4187.1	4157.5	4214.7	4269.9
10°	3950.5	3983.1	3969.3	4026.4	4052.1	4034.3	4105.3	4143.7	4116.1	4186.1	4252.1
12.5°	3895.3	3921.9	3906.2	3953.5	3978.1	3955.5	4042.2	4077.7	4058.0	4130.9	4215.7
15°	3824.4	3853.9	3832.3	3874.6	3893.4	3873.6	3944.6	4005.7	3981.1	4060.9	4154.6
17.5°	3770.2	3786.9	3757.3	3790.9	3801.7	3775.1	3847.0	3907.2	3889.4	3976.2	4084.6
20°	3710.0	3723.8	3682.4	3701.2	3700.2	3666.7	3732.7	3791.8	3780.0	3875.6	3998.8
22.5°	3643.0	3649.9	3601.6	3605.5	3603.6	3548.4	3607.5	3667.6	3662.7	3759.3	3897.3
25°	3572.0	3573.0	3510.9	3509.0	3487.3	3422.2	3474.5	3542.5	3527.7	3632.2	3777.1
27.5°	3502.1	3492.2	3417.3	3399.5	3365.0	3287.2	3333.5	3394.6	3385.7	3488.3	3648.9
30°	3427.1	3414.3	3322.7	3290.1	3239.9	3150.2	3188.6	3245.8	3250.7	3340.4	3509.0
32.5°	3356.2	3323.6	3222.1	3174.8	3111.7	3007.3	3028.0	3086.1	3094.0	3184.7	3358.1
35°	3264.5	3242.8	3117.6	3036.8	2974.7	2860.4	2882.1	2922.5	2934.3	3023.0	3199.5
37.5°	3177.8	3143.3	3010.2	2911.6	2831.8	2711.6	2717.5	2758.9	2770.7	2860.4	3034.9
40°	3088.1	3038.8	2895.9	2780.6	2688.9	2562.7	2555.8	2599.2	2608.1	2695.8	2853.5
42.5°	2992.5	2933.3	2772.7	2646.5	2541.0	2412.9	2399.1	2436.6	2446.4	2532.2	2686.9
45°	2895.9	2824.9	2646.5	2508.5	2393.2	2262.1	2248.3	2276.9	2291.7	2372.5	2521.3
47.5°	2793.4	2710.6	2516.4	2362.6	2243.4	2112.3	2095.5	2124.1	2135.9	2215.8	2356.7
50°	2685.9	2585.4	2382.3	2212.8	2094.5	1965.4	1940.8	1974.3	1985.1	2060.0	2198.0
52.5°	2567.6	2456.3	2239.4	2062.0	1943.7	1820.5	1790.9	1823.5	1836.3	1909.2	2036.4
55°	2442.5	2322.2	2095.5	1923.0	1794.9	1674.6	1650.0	1662.8	1690.4	1759.4	1877.7
57.5°	2301.5	2182.3	1943.7	1768.3	1645.1	1529.7	1509.0	1520.9	1546.5	1613.5	1720.0
60°	2151.7	2025.5	1789.0	1613.5	1494.3	1384.9	1366.1	1377.0	1404.6	1465.7	1564.2
62.5°	2003.8	1861.9	1629.3	1454.8	1346.4	1244.9	1240.0	1236.0	1261.6	1320.8	1407.5
65°	1824.5	1688.4	1462.7	1297.1	1198.6	1106.9	1087.2	1096.1	1120.7	1174.9	1265.6
67.5°	1632.3	1509.0	1292.2	1139.4	1051.7	969.9	953.1	957.1	982.7	1030.0	1108.9
70°	1428.2	1319.8	1117.7	980.7	906.8	829.9	819.1	820.1	844.7	886.1	955.1
72.5°	1214.3	1116.8	941.3	824.0	762.9	707.7	697.8	686.0	708.7	744.2	803.3
75°	996.5	910.8	765.9	670.2	622.0	575.6	566.8	554.9	577.6	608.2	654.5
77.5°	776.7	707.7	595.3	521.4	484.0	449.5	441.6	428.8	451.4	474.1	510.6
80°	561.8	511.6	444.5	366.7	353.9	331.2	323.3	309.5	331.2	346.0	373.6
82.5°	362.7	329.2	290.8	236.6	234.6	217.8	213.9	198.1	217.8	226.7	247.4
85°	183.3	167.6	157.7	120.3	124.2	113.4	112.4	95.6	111.4	115.3	127.2
87.5°	52.2	55.2	49.3	29.6	37.5	35.5	35.5	25.6	35.5	35.5	40.4
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: P837910

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-6HI-40-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5	4225.5
2.5°	4229.5	4246.2	4250.2	4249.2	4260.0	4319.2	4299.5	4319.2
5°	4239.3	4276.8	4286.6	4300.4	4318.2	4385.2	4363.5	4387.2
7.5°	4245.2	4301.4	4323.1	4349.7	4378.3	4453.2	4435.5	4459.1
10°	4245.2	4318.2	4349.7	4394.1	4432.5	4519.3	4502.5	4530.1
12.5°	4227.5	4321.1	4365.5	4427.6	4476.9	4570.5	4563.6	4583.3
15°	4191.0	4306.4	4367.5	4447.3	4508.4	4612.9	4609.9	4633.6
17.5°	4141.7	4280.7	4354.7	4455.2	4532.1	4649.4	4656.3	4669.1
20°	4079.7	4232.4	4329.0	4452.2	4548.8	4677.9	4686.8	4704.6
22.5°	3997.8	4174.3	4290.6	4439.4	4550.8	4689.8	4705.5	4722.3
25°	3901.2	4104.3	4240.3	4414.8	4540.9	4688.8	4710.5	4725.3
27.5°	3790.9	4013.6	4176.2	4375.3	4513.3	4673.0	4699.6	4717.4
30°	3662.7	3917.0	4103.3	4324.1	4475.9	4643.4	4672.0	4689.8
32.5°	3530.6	3810.6	4016.6	4258.1	4421.7	4596.1	4620.8	4634.6
35°	3386.7	3681.4	3912.1	4173.3	4351.7	4520.2	4539.0	4553.8
37.5°	3230.0	3541.5	3792.8	4077.7	4253.1	4414.8	4431.5	4448.3
40°	3068.4	3394.6	3658.8	3960.4	4135.8	4285.7	4303.4	4315.2
42.5°	2905.7	3232.0	3515.9	3822.4	3996.9	4140.8	4151.6	4163.4
45°	2741.1	3063.4	3355.2	3669.6	3842.1	3977.1	3981.1	3990.9
47.5°	2573.6	2889.0	3178.8	3495.2	3665.7	3788.9	3792.8	3800.7
50°	2405.0	2714.5	2990.5	3306.9	3473.5	3603.6	3585.8	3593.7
52.5°	2239.4	2531.2	2813.1	3103.8	3268.5	3383.8	3388.7	3372.9
55°	2076.8	2351.8	2611.0	2890.9	3047.7	3137.4	3134.4	3140.3
57.5°	1912.2	2170.4	2408.0	2664.2	2817.0	2901.8	2919.5	2898.8
60°	1744.6	1987.1	2200.0	2431.6	2579.5	2650.4	2671.1	2651.4
62.5°	1578.0	1800.8	1994.0	2196.1	2333.1	2420.8	2418.8	2397.1
65°	1411.5	1613.5	1786.0	1957.5	2076.8	2164.5	2160.6	2140.9
67.5°	1257.7	1424.3	1579.0	1718.0	1821.5	1881.6	1902.3	1878.7
70°	1088.2	1232.1	1368.1	1479.5	1565.2	1619.4	1639.2	1618.5
72.5°	918.6	1040.9	1136.5	1243.9	1309.9	1355.3	1376.0	1356.3
75°	751.1	851.6	929.5	1013.3	1059.6	1098.0	1121.7	1102.0
77.5°	588.4	666.3	728.4	789.5	842.7	851.6	872.3	859.5
80°	433.7	489.9	535.2	575.6	614.1	618.0	634.8	626.9
82.5°	288.8	326.3	338.1	380.5	405.1	401.2	417.9	412.0
85°	152.8	175.4	196.1	209.0	222.8	209.9	224.7	218.8
87.5°	51.3	54.2	47.3	67.0	73.9	63.1	72.0	69.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)