

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: P838229

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5LO-40-120-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: P838229
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-LD4-5LO-40-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

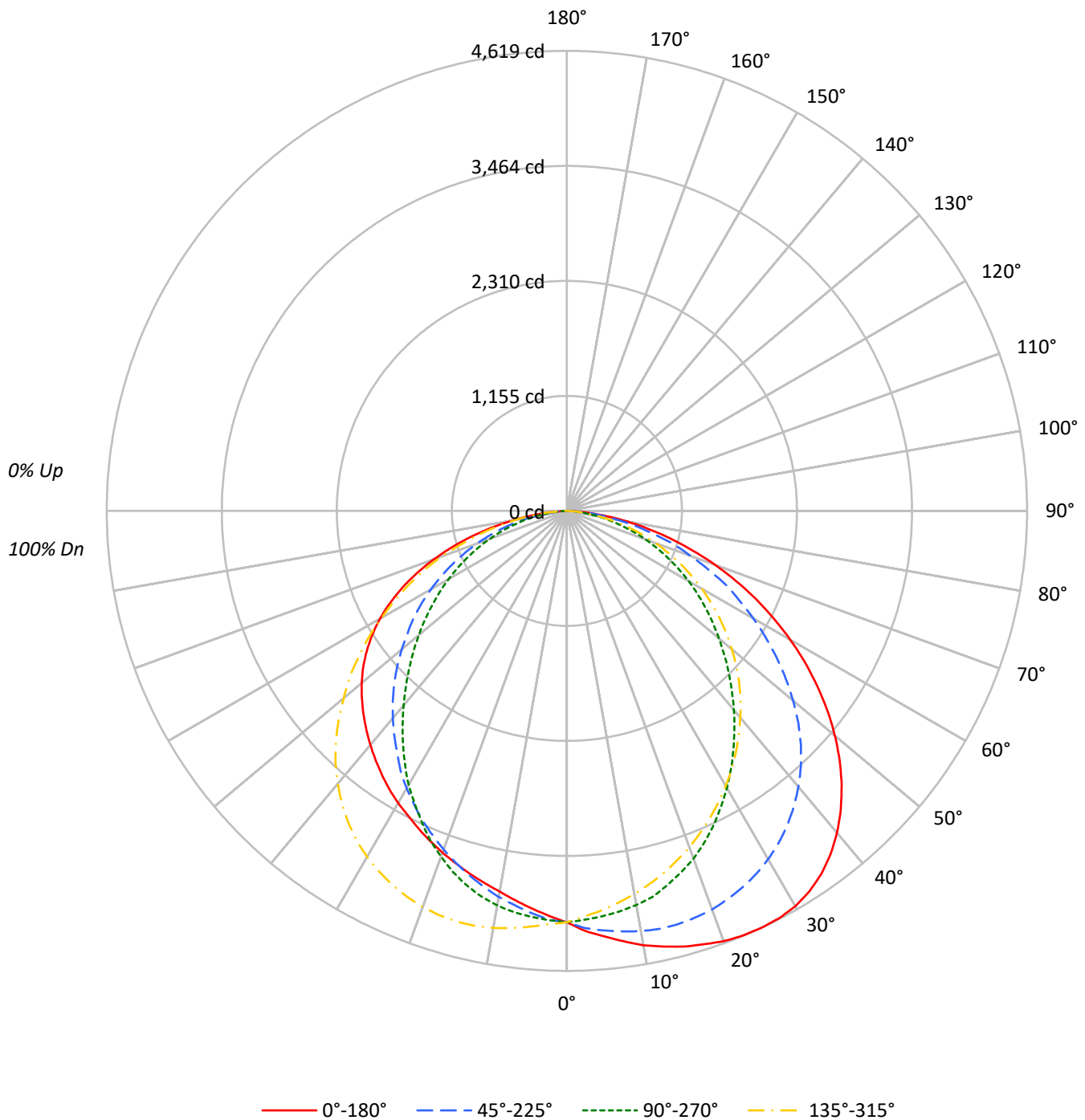
Lumens per Lamp: N/A
Luminaire Lumens: 12117.2 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 117
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°	5557	5557	5557	5557
5°	5792	5517	5413	5526
10°	6049	5489	5303	5497
15°	6309	5419	5251	5420
20°	6584	5321	5228	5290
25°	6857	5172	5228	5119
30°	7122	4992	5263	4936
35°	7311	4787	5315	4711
40°	7408	4581	5389	4477
45°	7422	4372	5494	4262
50°	7353	4172	5628	4061
55°	7200	3986	5754	3876
60°	6974	3793	5831	3694
65°	6662	3570	5800	3487
70°	6223	3309	5594	3248
75°	5599	2950	5134	2935
80°	4747	2471	4314	2508
85°	3302	1636	2737	1681

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.1	3.2
10°-20°	1135.5	9.4
20°-30°	1740.2	14.4
30°-40°	2116.0	17.5
40°-50°	2199.7	18.2
50°-60°	1987.0	16.4
60°-70°	1510.6	12.5
70°-80°	842.2	7.0
80°-90°	193.9	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°	3267.8	27.0
0°-40°	5383.8	44.4
0°-60°	9570.5	79.0
0°-90°	12117.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12117.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4130	4130	4130	4130	4130	
5°	4288	4085	4008	4092	4288	413
15°	4529	3890	3770	3891	4529	1284
25°	4619	3484	3521	3448	4619	2133
35°	4451	2914	3236	2868	4451	2780
45°	3901	2298	2887	2240	3901	3003
55°	3069	1699	2453	1652	3069	2740
65°	2092	1121	1822	1095	2092	2068
75°	1077	567	988	565	1077	1144
85°	214	106	177	109	214	269
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°	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1
2.5°	4221.6	4160.0	4160.9	4214.9	4173.5	4193.7	4135.9	4158.1	4151.3	4156.1	4108.9
5°	4288.1	4221.6	4220.7	4266.9	4220.7	4229.3	4156.1	4170.6	4149.4	4135.9	4084.8
7.5°	4358.4	4292.0	4285.2	4325.7	4265.0	4258.3	4177.3	4177.3	4138.8	4105.1	4056.9
10°	4427.8	4359.4	4350.7	4381.6	4306.4	4284.3	4186.0	4170.6	4119.5	4069.4	4017.4
12.5°	4479.8	4410.5	4403.7	4423.0	4338.2	4297.8	4186.0	4156.1	4081.0	4010.7	3970.2
15°	4529.0	4457.7	4439.4	4449.0	4351.7	4297.8	4172.5	4126.3	4029.9	3937.4	3890.2
17.5°	4563.7	4495.2	4476.9	4476.0	4358.4	4281.4	4143.6	4080.0	3964.4	3852.7	3805.5
20°	4598.3	4529.9	4506.8	4489.5	4356.5	4259.2	4101.2	4015.5	3880.6	3755.4	3715.9
22.5°	4615.7	4545.3	4520.3	4494.3	4344.0	4218.8	4049.2	3940.3	3786.2	3636.9	3604.1
25°	4618.6	4546.3	4519.3	4481.8	4318.9	4170.6	3981.8	3849.8	3677.3	3511.6	3483.7
27.5°	4610.9	4531.9	4504.9	4459.6	4281.4	4111.8	3901.8	3746.7	3561.7	3378.7	3348.8
30°	4583.9	4503.9	4477.9	4419.1	4228.4	4039.6	3814.1	3632.0	3433.6	3239.0	3213.0
32.5°	4529.9	4451.9	4430.7	4371.9	4170.6	3955.7	3712.0	3508.7	3292.0	3106.0	3067.5
35°	4450.9	4372.9	4359.4	4297.8	4089.7	3855.5	3600.2	3373.8	3141.7	2951.9	2914.3
37.5°	4347.8	4282.3	4262.1	4201.4	3994.3	3741.9	3472.1	3227.4	2988.5	2784.2	2761.1
40°	4217.8	4156.1	4140.7	4086.8	3883.5	3615.7	3333.4	3076.2	2830.5	2640.7	2607.9
42.5°	4069.4	4011.6	4002.9	3947.1	3746.7	3476.0	3183.1	2919.1	2665.7	2482.7	2449.9
45°	3900.8	3845.0	3843.0	3790.0	3597.4	3320.9	3025.1	2760.2	2504.9	2315.1	2297.7
47.5°	3714.9	3664.8	3664.8	3615.7	3430.7	3150.3	2862.3	2594.5	2343.0	2175.4	2144.5
50°	3512.6	3465.4	3450.9	3426.8	3246.7	2964.4	2690.8	2432.6	2183.1	2023.2	1993.3
52.5°	3296.8	3256.3	3265.9	3221.6	3047.3	2770.8	2517.4	2250.5	2022.2	1876.7	1846.8
55°	3069.4	3011.6	3020.3	3003.9	2839.2	2571.3	2322.8	2100.2	1864.2	1727.4	1699.4
57.5°	2833.4	2758.2	2789.1	2779.4	2617.6	2367.1	2144.5	1929.7	1707.2	1580.9	1554.0
60°	2591.6	2519.3	2551.1	2542.4	2390.2	2162.8	1960.5	1761.1	1551.1	1436.4	1409.5
62.5°	2343.0	2276.5	2305.4	2298.7	2159.0	1953.8	1777.5	1594.4	1394.0	1291.0	1265.9
65°	2092.5	2028.9	2054.9	2050.1	1921.0	1765.0	1589.6	1422.0	1236.0	1146.5	1121.4
67.5°	1836.3	1777.5	1801.6	1801.6	1683.1	1533.7	1400.8	1247.6	1080.9	1003.9	980.7
70°	1581.9	1527.0	1548.2	1546.3	1446.1	1324.7	1210.0	1073.2	923.9	860.3	841.1
72.5°	1325.6	1277.5	1296.7	1294.8	1211.0	1133.0	1019.3	900.8	770.7	719.7	702.3
75°	1077.1	1031.8	1050.1	1048.2	979.8	906.6	830.5	732.2	620.4	584.8	567.4
77.5°	840.1	793.8	809.3	809.3	759.2	706.2	645.5	569.4	490.4	451.8	439.3
80°	612.7	590.6	582.9	583.8	550.1	515.4	484.6	411.4	353.6	327.6	318.9
82.5°	402.7	384.4	376.7	378.6	359.4	338.2	318.9	267.8	229.3	213.9	209.1
85°	213.9	200.4	193.6	198.5	194.6	183.0	173.4	138.7	114.6	108.9	106.0
87.5°	67.4	58.8	54.0	71.3	60.7	54.0	52.0	41.4	31.8	31.8	30.8
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°	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1
2.5°	4124.3	4124.3	4086.8	4078.1	4074.2	4079.1	4041.5	4034.7	4088.7	4070.4	4029.0
5°	4091.6	4089.7	4036.7	4027.0	4027.0	4021.3	3978.9	3969.2	4023.2	4007.8	3962.5
7.5°	4051.1	4045.3	3982.7	3976.0	3966.3	3962.5	3915.3	3908.5	3954.8	3945.1	3902.8
10°	4002.0	3996.2	3922.0	3917.2	3906.6	3898.9	3854.6	3849.8	3897.0	3881.6	3847.8
12.5°	3937.4	3926.8	3850.7	3845.9	3837.2	3834.4	3791.0	3789.1	3841.1	3825.7	3790.0
15°	3852.7	3844.0	3759.2	3761.1	3762.1	3762.1	3727.4	3725.5	3776.5	3769.8	3731.3
17.5°	3759.2	3747.6	3666.7	3672.5	3679.2	3687.0	3660.0	3664.8	3718.7	3710.1	3675.4
20°	3653.2	3641.7	3562.7	3579.1	3593.5	3608.9	3591.6	3605.1	3655.2	3651.3	3625.3
22.5°	3534.7	3523.2	3450.0	3475.0	3499.1	3528.0	3520.3	3535.7	3588.7	3587.7	3564.6
25°	3390.2	3393.1	3328.6	3359.4	3399.9	3440.3	3443.2	3468.3	3527.0	3521.2	3500.1
27.5°	3255.3	3259.2	3190.8	3242.8	3296.8	3348.8	3361.3	3396.0	3455.7	3450.9	3432.6
30°	3113.7	3118.5	3052.1	3123.4	3188.9	3252.5	3279.4	3326.6	3387.3	3387.3	3368.1
32.5°	2966.3	2975.0	2905.6	3001.0	3077.1	3151.3	3198.5	3247.6	3317.0	3315.1	3298.7
35°	2815.1	2824.7	2761.1	2882.5	2958.6	3049.2	3107.9	3173.5	3235.1	3236.1	3223.6
37.5°	2660.9	2672.5	2614.7	2747.6	2834.3	2941.3	3016.4	3081.9	3150.3	3154.2	3142.6
40°	2507.7	2520.3	2470.2	2598.3	2708.1	2827.6	2914.3	2991.4	3066.5	3068.4	3060.7
42.5°	2354.6	2368.1	2330.5	2455.7	2580.0	2708.1	2810.3	2897.9	2975.0	2979.8	2971.1
45°	2205.2	2216.8	2189.8	2326.6	2446.1	2585.8	2703.3	2802.5	2880.6	2887.3	2884.4
47.5°	2056.9	2067.5	2043.4	2168.6	2306.4	2454.8	2590.6	2700.4	2783.3	2791.0	2789.1
50°	1911.4	1920.1	1894.1	2025.1	2161.9	2319.9	2461.5	2588.7	2681.2	2688.9	2687.9
52.5°	1766.9	1775.6	1753.4	1891.2	2015.4	2182.1	2336.3	2474.0	2565.5	2577.1	2579.0
55°	1627.2	1631.0	1613.7	1745.7	1866.1	2040.5	2217.8	2351.7	2443.2	2452.8	2458.6
57.5°	1487.5	1488.5	1474.0	1600.2	1715.8	1894.1	2080.0	2220.6	2307.4	2317.0	2325.7
60°	1348.8	1347.8	1331.4	1453.8	1564.6	1740.9	1934.5	2074.2	2158.0	2166.7	2178.3
62.5°	1211.0	1208.1	1193.7	1306.4	1410.4	1584.8	1779.4	1914.3	1994.2	2000.0	2015.4
65°	1074.2	1071.3	1057.8	1161.9	1256.3	1422.9	1613.7	1741.8	1814.1	1821.8	1818.9
67.5°	939.3	933.5	922.9	1016.4	1102.1	1256.3	1439.3	1561.7	1621.4	1628.2	1646.5
70°	804.4	797.7	773.6	872.8	948.0	1085.8	1256.3	1365.1	1415.2	1422.0	1419.1
72.5°	671.5	664.7	638.7	730.3	793.8	914.3	1066.5	1157.0	1200.4	1206.2	1206.2
75°	542.4	538.5	522.2	591.5	644.5	742.8	871.9	947.0	980.7	987.5	985.6
77.5°	418.1	415.2	398.8	458.6	500.0	573.2	677.3	736.0	761.1	768.8	785.2
80°	299.6	298.7	272.6	331.4	349.7	411.4	487.5	532.8	546.3	556.8	568.4
82.5°	191.7	192.7	166.7	216.8	224.5	264.0	311.2	339.1	348.8	357.4	366.1
85°	93.5	97.3	82.9	114.6	115.6	135.8	156.1	166.7	170.5	177.3	185.0
87.5°	24.1	27.9	15.4	32.8	28.9	37.6	43.4	46.2	45.3	50.1	53.0
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°	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1
2.5°	4042.4	4073.3	4057.9	4108.0	4127.2	4096.4	4150.4	4151.3	4112.8	4158.1	4183.1
5°	3979.8	4011.6	4002.0	4054.0	4078.1	4051.1	4116.6	4129.2	4091.6	4142.6	4183.1
7.5°	3916.2	3953.8	3941.3	3994.3	4023.2	4002.0	4072.3	4092.5	4063.6	4119.5	4173.5
10°	3861.3	3893.1	3879.6	3935.5	3960.6	3943.2	4012.6	4050.2	4023.2	4091.6	4156.1
12.5°	3807.4	3833.4	3818.0	3864.2	3888.3	3866.1	3950.9	3985.6	3966.3	4037.6	4120.5
15°	3738.0	3766.9	3745.7	3787.1	3805.5	3786.2	3855.5	3915.3	3891.2	3969.2	4060.8
17.5°	3685.0	3701.4	3672.5	3705.3	3715.9	3689.8	3760.2	3818.9	3801.6	3886.4	3992.4
20°	3626.3	3639.7	3599.3	3617.6	3616.6	3583.9	3648.4	3706.2	3694.7	3788.1	3908.5
22.5°	3560.7	3567.5	3520.3	3524.1	3522.2	3468.3	3526.1	3584.8	3580.0	3674.4	3809.3
25°	3491.4	3492.3	3431.7	3429.7	3408.5	3344.9	3396.0	3462.5	3448.0	3550.1	3691.8
27.5°	3423.0	3413.3	3340.1	3322.8	3289.1	3213.0	3258.2	3318.0	3309.3	3409.5	3566.5
30°	3349.8	3337.2	3247.6	3215.8	3166.7	3079.0	3116.6	3172.5	3177.3	3265.0	3429.7
32.5°	3280.4	3248.6	3149.4	3103.1	3041.5	2939.3	2959.6	3016.4	3024.1	3112.8	3282.3
35°	3190.8	3169.6	3047.3	2968.3	2907.6	2795.8	2817.0	2856.5	2868.1	2954.8	3127.2
37.5°	3106.0	3072.3	2942.2	2845.9	2767.9	2650.3	2656.1	2696.6	2708.1	2795.8	2966.3
40°	3018.3	2970.2	2830.5	2717.8	2628.2	2504.9	2498.1	2540.5	2549.2	2634.9	2789.1
42.5°	2924.9	2867.1	2710.1	2586.7	2483.7	2358.4	2344.9	2381.5	2391.2	2475.0	2626.2
45°	2830.5	2761.1	2586.7	2451.9	2339.1	2211.0	2197.5	2225.5	2239.9	2318.9	2464.4
47.5°	2730.3	2649.4	2459.6	2309.3	2192.7	2064.6	2048.2	2076.1	2087.7	2165.7	2303.5
50°	2625.3	2527.0	2328.6	2162.8	2047.2	1921.0	1896.9	1929.7	1940.3	2013.5	2148.4
52.5°	2509.7	2400.8	2188.9	2015.4	1899.8	1779.4	1750.5	1782.3	1794.8	1866.1	1990.4
55°	2387.3	2269.8	2048.2	1879.6	1754.4	1636.8	1612.7	1625.3	1652.2	1719.7	1835.3
57.5°	2249.6	2133.0	1899.8	1728.3	1607.9	1495.2	1475.0	1486.5	1511.6	1577.1	1681.1
60°	2103.1	1979.8	1748.6	1577.1	1460.5	1353.6	1335.3	1345.9	1372.9	1432.6	1528.9
62.5°	1958.6	1819.9	1592.5	1422.0	1316.0	1216.8	1212.0	1208.1	1233.2	1291.0	1375.7
65°	1783.3	1650.3	1429.7	1267.8	1171.5	1081.9	1062.6	1071.3	1095.4	1148.4	1237.0
67.5°	1595.4	1475.0	1263.0	1113.7	1028.0	948.0	931.6	935.5	960.5	1006.8	1083.8
70°	1396.0	1290.0	1092.5	958.6	886.3	811.2	800.6	801.6	825.6	866.1	933.5
72.5°	1186.9	1091.5	920.1	805.4	745.7	691.7	682.1	670.5	692.7	727.4	785.2
75°	974.0	890.2	748.6	655.1	607.9	562.6	554.0	542.4	564.6	594.4	639.7
77.5°	759.2	691.7	581.9	509.6	473.0	439.3	431.6	419.1	441.2	463.4	499.0
80°	549.1	500.0	434.5	358.4	345.9	323.7	316.0	302.5	323.7	338.2	365.1
82.5°	354.5	321.8	284.2	231.2	229.3	212.9	209.1	193.6	212.9	221.6	241.8
85°	179.2	163.8	154.1	117.5	121.4	110.8	109.8	93.5	108.9	112.7	124.3
87.5°	51.1	54.0	48.2	28.9	36.6	34.7	34.7	25.0	34.7	34.7	39.5
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: P838229

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5LO-40-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1	4130.1
2.5°	4134.0	4150.4	4154.2	4153.2	4163.8	4221.6	4202.4	4221.6
5°	4143.6	4180.2	4189.9	4203.3	4220.7	4286.2	4265.0	4288.1
7.5°	4149.4	4204.3	4225.5	4251.5	4279.4	4352.7	4335.3	4358.4
10°	4149.4	4220.7	4251.5	4294.9	4332.4	4417.2	4400.8	4427.8
12.5°	4132.0	4223.6	4266.9	4327.6	4375.8	4467.3	4460.6	4479.8
15°	4096.4	4209.1	4268.8	4346.9	4406.6	4508.7	4505.8	4529.0
17.5°	4048.2	4184.1	4256.3	4354.6	4429.7	4544.4	4551.1	4563.7
20°	3987.5	4136.9	4231.3	4351.7	4446.1	4572.3	4581.0	4598.3
22.5°	3907.6	4080.0	4193.7	4339.2	4448.0	4583.9	4599.3	4615.7
25°	3813.2	4011.6	4144.6	4315.1	4438.4	4582.9	4604.1	4618.6
27.5°	3705.3	3923.0	4081.9	4276.6	4411.4	4567.5	4593.5	4610.9
30°	3580.0	3828.6	4010.7	4226.5	4374.8	4538.6	4566.5	4583.9
32.5°	3450.9	3724.5	3925.9	4161.9	4321.8	4492.4	4516.4	4529.9
35°	3310.3	3598.3	3823.8	4079.1	4253.4	4418.2	4436.5	4450.9
37.5°	3157.1	3461.5	3707.2	3985.6	4157.1	4315.1	4331.5	4347.8
40°	2999.1	3318.0	3576.2	3871.0	4042.4	4188.9	4206.2	4217.8
42.5°	2840.1	3159.0	3436.5	3736.1	3906.6	4047.3	4057.9	4069.4
45°	2679.2	2994.3	3279.4	3586.8	3755.4	3887.3	3891.2	3900.8
47.5°	2515.5	2823.7	3107.0	3416.2	3582.9	3703.3	3707.2	3714.9
50°	2350.7	2653.2	2923.0	3232.2	3395.0	3522.2	3504.9	3512.6
52.5°	2188.9	2474.0	2749.6	3033.8	3194.7	3307.4	3312.2	3296.8
55°	2029.9	2298.7	2552.1	2825.7	2978.8	3066.5	3063.6	3069.4
57.5°	1869.0	2121.4	2353.6	2604.1	2753.4	2836.3	2853.6	2833.4
60°	1705.2	1942.2	2150.3	2376.7	2521.2	2590.6	2610.8	2591.6
62.5°	1542.4	1760.1	1949.0	2146.5	2280.4	2366.1	2364.2	2343.0
65°	1379.6	1577.1	1745.7	1913.3	2029.9	2115.6	2111.8	2092.5
67.5°	1229.3	1392.1	1543.4	1679.2	1780.4	1839.1	1859.4	1836.3
70°	1063.6	1204.3	1337.2	1446.1	1529.9	1582.9	1602.1	1581.9
72.5°	897.9	1017.4	1110.8	1215.8	1280.4	1324.7	1344.9	1325.6
75°	734.1	832.4	908.5	990.4	1035.7	1073.2	1096.4	1077.1
77.5°	575.2	651.3	712.0	771.7	823.7	832.4	852.6	840.1
80°	423.9	478.8	523.1	562.6	600.2	604.1	620.4	612.7
82.5°	282.3	318.9	330.4	371.9	396.0	392.1	408.5	402.7
85°	149.3	171.5	191.7	204.2	217.7	205.2	219.7	213.9
87.5°	50.1	53.0	46.2	65.5	72.3	61.7	70.3	67.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)