

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: P838080

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-3STD-30-120-EDD**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838080
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-LD4-3STD-30-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

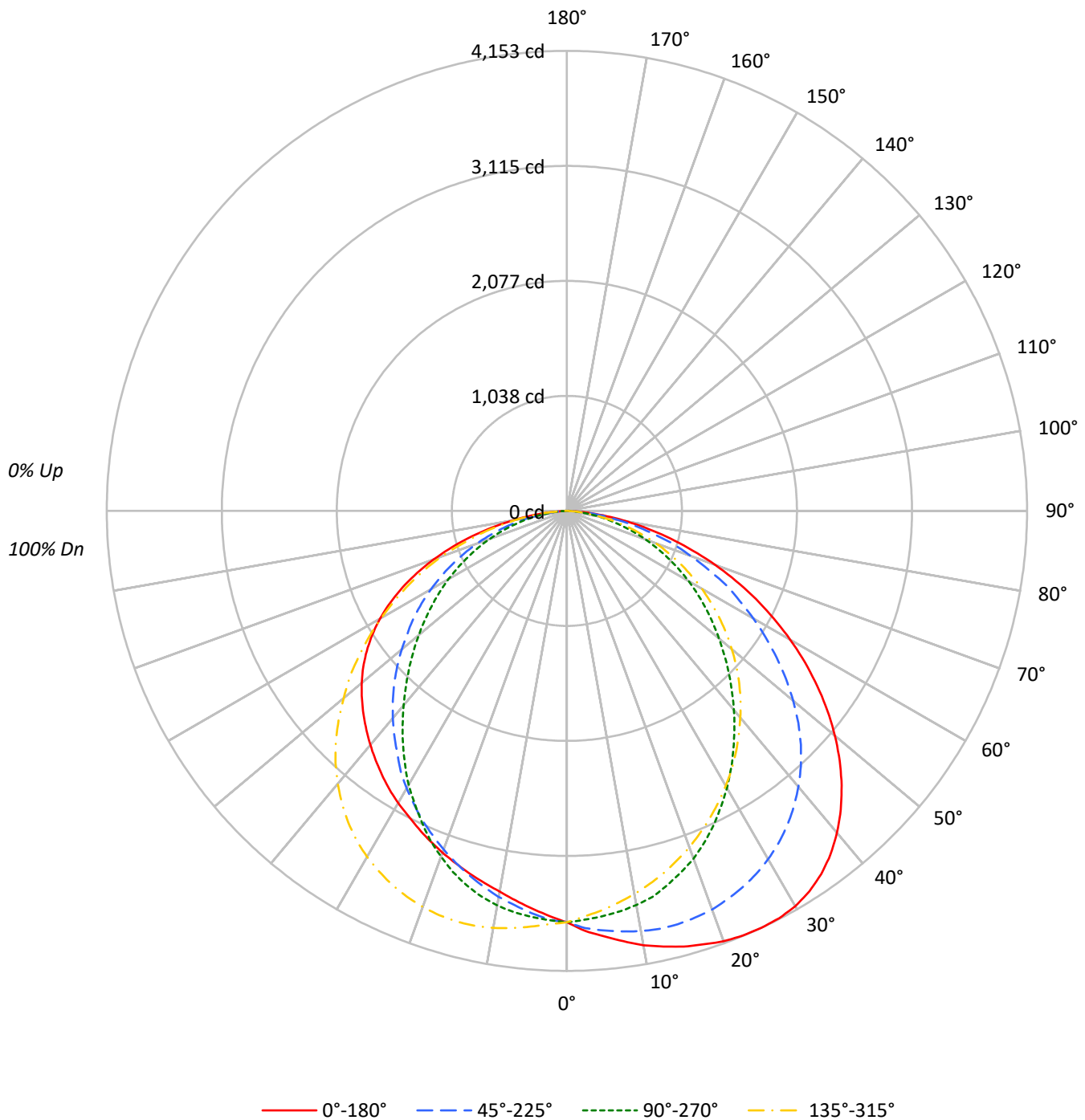
Lumens per Lamp: N/A
Luminaire Lumens: 10894.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 99.9
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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°	4996	4996	4996	4996
5°	5207	4961	4867	4969
10°	5439	4935	4768	4942
15°	5672	4872	4721	4874
20°	5920	4784	4701	4757
25°	6165	4650	4700	4603
30°	6403	4488	4732	4438
35°	6573	4304	4779	4236
40°	6661	4119	4846	4026
45°	6674	3931	4940	3832
50°	6611	3751	5061	3652
55°	6474	3584	5173	3485
60°	6270	3410	5242	3322
65°	5990	3210	5215	3136
70°	5595	2975	5030	2921
75°	5034	2652	4616	2639
80°	4269	2221	3880	2256
85°	2969	1471	2461	1511

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.6	3.2
10°-20°	1021.0	9.4
20°-30°	1564.7	14.4
30°-40°	1902.5	17.5
40°-50°	1977.8	18.2
50°-60°	1786.5	16.4
60°-70°	1358.2	12.5
70°-80°	757.2	7.0
80°-90°	174.3	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°	2938.2	27.0
0°-40°	4840.7	44.4
0°-60°	8605.1	79.0
0°-90°	10894.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10894.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3714	3714	3714	3714	3714	
5°	3856	3673	3604	3679	3856	372
15°	4072	3498	3390	3499	4072	1155
25°	4153	3132	3166	3100	4153	1918
35°	4002	2620	2910	2579	4002	2500
45°	3507	2066	2596	2014	3507	2700
55°	2760	1528	2205	1486	2760	2464
65°	1881	1008	1638	985	1881	1859
75°	968	510	888	508	968	1029
85°	192	95	159	98	192	242
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°	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5
2.5°	3795.8	3740.3	3741.2	3789.7	3752.5	3770.7	3718.7	3738.6	3732.5	3736.9	3694.4
5°	3855.6	3795.8	3794.9	3836.5	3794.9	3802.7	3736.9	3749.9	3730.8	3718.7	3672.8
7.5°	3918.8	3859.0	3853.0	3889.3	3834.8	3828.7	3755.9	3755.9	3721.3	3691.0	3647.7
10°	3981.2	3919.7	3911.9	3939.6	3872.0	3852.1	3763.7	3749.9	3704.0	3658.9	3612.1
12.5°	4027.9	3965.6	3959.5	3976.8	3900.6	3864.2	3763.7	3736.9	3669.3	3606.1	3569.7
15°	4072.1	4008.0	3991.6	4000.2	3912.7	3864.2	3751.6	3710.0	3623.4	3540.2	3497.8
17.5°	4103.3	4041.8	4025.3	4024.5	3918.8	3849.5	3725.6	3668.4	3564.5	3464.0	3421.6
20°	4134.5	4073.0	4052.2	4036.6	3917.1	3829.6	3687.5	3610.4	3489.1	3376.5	3341.0
22.5°	4150.1	4086.8	4064.3	4040.9	3905.8	3793.2	3640.7	3542.8	3404.3	3270.0	3240.5
25°	4152.7	4087.7	4063.4	4029.7	3883.3	3749.9	3580.1	3461.4	3306.4	3157.4	3132.3
27.5°	4145.7	4074.7	4050.5	4009.7	3849.5	3697.0	3508.2	3368.7	3202.4	3037.8	3011.0
30°	4121.5	4049.6	4026.2	3973.4	3801.8	3632.1	3429.4	3265.7	3087.2	2912.2	2888.8
32.5°	4073.0	4002.8	3983.8	3930.9	3749.9	3556.7	3337.6	3154.8	2959.9	2792.7	2758.1
35°	4001.9	3931.8	3919.7	3864.2	3677.1	3466.6	3237.1	3033.5	2824.7	2654.1	2620.3
37.5°	3909.3	3850.4	3832.2	3777.6	3591.4	3364.4	3121.9	2901.8	2687.0	2503.4	2482.6
40°	3792.3	3736.9	3723.0	3674.5	3491.7	3250.9	2997.1	2765.8	2545.0	2374.3	2344.9
42.5°	3658.9	3606.9	3599.2	3548.9	3368.7	3125.3	2862.0	2624.7	2396.8	2232.3	2202.8
45°	3507.3	3457.1	3455.4	3407.7	3234.5	2985.9	2719.9	2481.7	2252.2	2081.5	2065.9
47.5°	3340.2	3295.1	3295.1	3250.9	3084.6	2832.5	2573.5	2332.7	2106.7	1955.9	1928.2
50°	3158.2	3115.8	3102.8	3081.2	2919.2	2665.4	2419.4	2187.2	1962.9	1819.1	1792.2
52.5°	2964.2	2927.8	2936.5	2896.6	2739.9	2491.3	2263.4	2023.5	1818.2	1687.4	1660.5
55°	2759.8	2707.8	2715.6	2700.9	2552.8	2311.9	2088.5	1888.4	1676.1	1553.1	1528.0
57.5°	2547.6	2480.0	2507.7	2499.1	2353.5	2128.3	1928.2	1735.0	1534.9	1421.5	1397.2
60°	2330.1	2265.2	2293.8	2286.0	2149.1	1944.7	1762.8	1583.5	1394.6	1291.5	1267.3
62.5°	2106.7	2046.9	2072.9	2066.8	1941.2	1756.7	1598.2	1433.6	1253.4	1160.7	1138.2
65°	1881.4	1824.3	1847.7	1843.3	1727.2	1586.9	1429.3	1278.5	1111.4	1030.8	1008.3
67.5°	1651.0	1598.2	1619.8	1619.8	1513.3	1379.0	1259.5	1121.8	971.9	902.6	881.8
70°	1422.3	1373.0	1392.0	1390.3	1300.2	1191.1	1088.0	965.0	830.7	773.5	756.2
72.5°	1191.9	1148.6	1165.9	1164.2	1088.8	1018.7	916.5	809.9	693.0	647.1	631.5
75°	968.4	927.7	944.2	942.4	880.9	815.1	746.7	658.3	557.8	525.8	510.2
77.5°	755.3	713.8	727.6	727.6	682.6	634.9	580.4	511.9	440.9	406.3	395.0
80°	550.9	531.0	524.1	524.9	494.6	463.4	435.7	369.9	317.9	294.5	286.7
82.5°	362.1	345.6	338.7	340.4	323.1	304.0	286.7	240.8	206.2	192.3	188.0
85°	192.3	180.2	174.1	178.4	175.0	164.6	155.9	124.7	103.1	97.9	95.3
87.5°	60.6	52.8	48.5	64.1	54.6	48.5	46.8	37.2	28.6	28.6	27.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5
2.5°	3708.3	3708.3	3674.5	3666.7	3663.3	3667.6	3633.8	3627.7	3676.2	3659.8	3622.5
5°	3678.8	3677.1	3629.5	3620.8	3620.8	3615.6	3577.5	3568.8	3617.3	3603.5	3562.8
7.5°	3642.5	3637.3	3581.0	3574.9	3566.2	3562.8	3520.3	3514.3	3555.8	3547.2	3509.1
10°	3598.3	3593.1	3526.4	3522.1	3512.5	3505.6	3465.8	3461.4	3503.9	3490.0	3459.7
12.5°	3540.2	3530.7	3462.3	3458.0	3450.2	3447.6	3408.6	3406.9	3453.6	3439.8	3407.7
15°	3464.0	3456.2	3380.0	3381.7	3382.6	3382.6	3351.4	3349.7	3395.6	3389.5	3354.9
17.5°	3380.0	3369.6	3296.8	3302.0	3308.1	3315.0	3290.8	3295.1	3343.6	3335.8	3304.6
20°	3284.7	3274.3	3203.3	3218.0	3231.0	3244.9	3229.3	3241.4	3286.4	3283.0	3259.6
22.5°	3178.2	3167.8	3101.9	3124.5	3146.1	3172.1	3165.2	3179.0	3226.7	3225.8	3205.0
25°	3048.2	3050.8	2992.8	3020.5	3056.9	3093.3	3095.9	3118.4	3171.2	3166.0	3147.0
27.5°	2927.0	2930.4	2868.9	2915.7	2964.2	3011.0	3022.2	3053.4	3107.1	3102.8	3086.3
30°	2799.6	2804.0	2744.2	2808.3	2867.2	2924.4	2948.6	2991.1	3045.6	3045.6	3028.3
32.5°	2667.1	2674.9	2612.5	2698.3	2766.7	2833.4	2875.9	2920.0	2982.4	2980.7	2965.9
35°	2531.1	2539.8	2482.6	2591.7	2660.2	2741.6	2794.4	2853.3	2908.8	2909.6	2898.4
37.5°	2392.5	2402.9	2350.9	2470.5	2548.4	2644.6	2712.1	2771.0	2832.5	2836.0	2825.6
40°	2254.8	2266.0	2221.0	2336.2	2434.9	2542.4	2620.3	2689.6	2757.2	2758.9	2752.0
42.5°	2117.0	2129.2	2095.4	2208.0	2319.7	2434.9	2526.8	2605.6	2674.9	2679.2	2671.4
45°	1982.8	1993.2	1968.9	2091.9	2199.3	2324.9	2430.6	2519.8	2590.0	2596.1	2593.5
47.5°	1849.4	1858.9	1837.3	1949.9	2073.7	2207.1	2329.3	2428.0	2502.5	2509.4	2507.7
50°	1718.6	1726.4	1703.0	1820.8	1943.8	2085.9	2213.2	2327.5	2410.7	2417.6	2416.8
52.5°	1588.7	1596.4	1576.5	1700.4	1812.1	1962.0	2100.6	2224.5	2306.7	2317.1	2318.9
55°	1463.0	1466.5	1450.9	1569.6	1677.9	1834.7	1994.0	2114.4	2196.7	2205.4	2210.6
57.5°	1337.4	1338.3	1325.3	1438.8	1542.7	1703.0	1870.2	1996.6	2074.6	2083.3	2091.1
60°	1212.7	1211.8	1197.1	1307.1	1406.7	1565.3	1739.4	1865.0	1940.3	1948.1	1958.5
62.5°	1088.8	1086.2	1073.2	1174.6	1268.1	1424.9	1599.9	1721.2	1793.1	1798.3	1812.1
65°	965.8	963.2	951.1	1044.7	1129.6	1279.4	1450.9	1566.1	1631.1	1638.0	1635.4
67.5°	844.6	839.4	829.8	913.9	991.0	1129.6	1294.1	1404.1	1457.9	1463.9	1480.4
70°	723.3	717.2	695.6	784.8	852.4	976.2	1129.6	1227.4	1272.5	1278.5	1275.9
72.5°	603.8	597.7	574.3	656.6	713.8	822.0	958.9	1040.3	1079.3	1084.5	1084.5
75°	487.7	484.2	469.5	531.9	579.5	667.9	783.9	851.5	881.8	887.9	886.1
77.5°	375.9	373.3	358.6	412.3	449.6	515.4	609.0	661.8	684.3	691.2	706.0
80°	269.4	268.5	245.1	298.0	314.4	369.9	438.3	479.0	491.1	500.7	511.1
82.5°	172.4	173.2	149.9	194.9	201.8	237.3	279.8	304.9	313.6	321.4	329.2
85°	84.0	87.5	74.5	103.1	103.9	122.1	140.3	149.9	153.3	159.4	166.3
87.5°	21.7	25.1	13.9	29.5	26.0	33.8	39.0	41.6	40.7	45.0	47.6
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°	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5
2.5°	3634.7	3662.4	3648.5	3693.6	3710.9	3683.2	3731.7	3732.5	3697.9	3738.6	3761.1
5°	3578.4	3606.9	3598.3	3645.1	3666.7	3642.5	3701.4	3712.6	3678.8	3724.8	3761.1
7.5°	3521.2	3555.0	3543.7	3591.4	3617.3	3598.3	3661.5	3679.7	3653.7	3704.0	3752.5
10°	3471.8	3500.4	3488.3	3538.5	3561.0	3545.4	3607.8	3641.6	3617.3	3678.8	3736.9
12.5°	3423.3	3446.7	3432.8	3474.4	3496.1	3476.1	3552.4	3583.6	3566.2	3630.3	3704.8
15°	3360.9	3386.9	3367.9	3405.1	3421.6	3404.3	3466.6	3520.3	3498.7	3568.8	3651.1
17.5°	3313.3	3328.0	3302.0	3331.5	3341.0	3317.6	3380.9	3433.7	3418.1	3494.3	3589.6
20°	3260.5	3272.6	3236.2	3252.7	3251.8	3222.3	3280.4	3332.4	3322.0	3406.0	3514.3
22.5°	3201.6	3207.6	3165.2	3168.6	3166.9	3118.4	3170.4	3223.2	3218.9	3303.8	3425.0
25°	3139.2	3140.1	3085.5	3083.7	3064.7	3007.5	3053.4	3113.2	3100.2	3192.0	3319.4
27.5°	3077.7	3069.0	3003.2	2987.6	2957.3	2888.8	2929.6	2983.3	2975.5	3065.6	3206.8
30°	3011.9	3000.6	2920.0	2891.4	2847.3	2768.4	2802.2	2852.5	2856.8	2935.6	3083.7
32.5°	2949.5	2920.9	2831.7	2790.1	2734.7	2642.8	2661.0	2712.1	2719.1	2798.8	2951.2
35°	2868.9	2849.9	2739.9	2668.8	2614.3	2513.8	2532.8	2568.3	2578.7	2656.7	2811.8
37.5°	2792.7	2762.4	2645.4	2558.8	2488.7	2383.0	2388.2	2424.6	2434.9	2513.8	2667.1
40°	2713.9	2670.6	2545.0	2443.6	2363.1	2252.2	2246.1	2284.2	2292.0	2369.1	2507.7
42.5°	2629.8	2577.9	2436.7	2325.8	2233.1	2120.5	2108.4	2141.3	2150.0	2225.3	2361.3
45°	2545.0	2482.6	2325.8	2204.5	2103.2	1988.0	1975.9	2001.0	2014.0	2085.0	2215.8
47.5°	2454.9	2382.1	2211.5	2076.3	1971.5	1856.3	1841.6	1866.7	1877.1	1947.3	2071.1
50°	2360.5	2272.1	2093.7	1944.7	1840.7	1727.2	1705.6	1735.0	1744.6	1810.4	1931.7
52.5°	2256.5	2158.6	1968.1	1812.1	1708.2	1599.9	1573.9	1602.5	1613.8	1677.9	1789.6
55°	2146.5	2040.8	1841.6	1690.0	1577.4	1471.7	1450.1	1461.3	1485.6	1546.2	1650.2
57.5°	2022.6	1917.8	1708.2	1554.0	1445.7	1344.4	1326.2	1336.6	1359.1	1418.0	1511.6
60°	1891.0	1780.1	1572.2	1418.0	1313.2	1217.0	1200.6	1210.1	1234.4	1288.1	1374.7
62.5°	1761.0	1636.3	1431.9	1278.5	1183.3	1094.0	1089.7	1086.2	1108.8	1160.7	1237.0
65°	1603.4	1483.8	1285.5	1139.9	1053.3	972.8	955.4	963.2	984.9	1032.5	1112.2
67.5°	1434.5	1326.2	1135.6	1001.4	924.3	852.4	837.6	841.1	863.6	905.2	974.5
70°	1255.2	1159.9	982.3	861.9	796.9	729.4	719.8	720.7	742.4	778.7	839.4
72.5°	1067.2	981.4	827.2	724.2	670.5	621.9	613.3	602.9	622.8	654.0	706.0
75°	875.8	800.4	673.1	589.0	546.6	505.9	498.1	487.7	507.6	534.5	575.2
77.5°	682.6	621.9	523.2	458.2	425.3	395.0	388.1	376.8	396.7	416.7	448.7
80°	493.7	449.6	390.7	322.2	311.0	291.1	284.1	272.0	291.1	304.0	328.3
82.5°	318.8	289.3	255.5	207.9	206.2	191.4	188.0	174.1	191.4	199.2	217.4
85°	161.1	147.3	138.6	105.7	109.1	99.6	98.7	84.0	97.9	101.3	111.7
87.5°	45.9	48.5	43.3	26.0	32.9	31.2	31.2	22.5	31.2	31.2	35.5
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: P838080

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-3STD-30-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5	3713.5
2.5°	3717.0	3731.7	3735.1	3734.3	3743.8	3795.8	3778.5	3795.8
5°	3725.6	3758.5	3767.2	3779.3	3794.9	3853.8	3834.8	3855.6
7.5°	3730.8	3780.2	3799.2	3822.6	3847.8	3913.6	3898.0	3918.8
10°	3730.8	3794.9	3822.6	3861.6	3895.4	3971.6	3956.9	3981.2
12.5°	3715.2	3797.5	3836.5	3891.1	3934.4	4016.7	4010.6	4027.9
15°	3683.2	3784.5	3838.2	3908.4	3962.1	4053.9	4051.3	4072.1
17.5°	3639.9	3762.0	3827.0	3915.3	3982.9	4086.0	4092.0	4103.3
20°	3585.3	3719.6	3804.4	3912.7	3997.6	4111.1	4118.9	4134.5
22.5°	3513.4	3668.4	3770.7	3901.5	3999.3	4121.5	4135.3	4150.1
25°	3428.5	3606.9	3726.5	3879.8	3990.7	4120.6	4139.7	4152.7
27.5°	3331.5	3527.3	3670.2	3845.2	3966.4	4106.8	4130.1	4145.7
30°	3218.9	3442.4	3606.1	3800.1	3933.5	4080.8	4105.9	4121.5
32.5°	3102.8	3348.8	3529.9	3742.1	3885.9	4039.2	4060.8	4073.0
35°	2976.3	3235.3	3438.0	3667.6	3824.4	3972.5	3989.0	4001.9
37.5°	2838.6	3112.3	3333.2	3583.6	3737.7	3879.8	3894.5	3909.3
40°	2696.5	2983.3	3215.4	3480.5	3634.7	3766.3	3781.9	3792.3
42.5°	2553.6	2840.3	3089.8	3359.2	3512.5	3639.0	3648.5	3658.9
45°	2409.0	2692.2	2948.6	3224.9	3376.5	3495.2	3498.7	3507.3
47.5°	2261.7	2538.9	2793.6	3071.6	3221.5	3329.8	3333.2	3340.2
50°	2113.6	2385.6	2628.1	2906.2	3052.6	3166.9	3151.3	3158.2
52.5°	1968.1	2224.5	2472.2	2727.7	2872.4	2973.7	2978.1	2964.2
55°	1825.1	2066.8	2294.6	2540.6	2678.4	2757.2	2754.6	2759.8
57.5°	1680.5	1907.4	2116.2	2341.4	2475.7	2550.2	2565.7	2547.6
60°	1533.2	1746.3	1933.4	2137.0	2266.9	2329.3	2347.5	2330.1
62.5°	1386.8	1582.6	1752.4	1929.9	2050.3	2127.4	2125.7	2106.7
65°	1240.4	1418.0	1569.6	1720.3	1825.1	1902.2	1898.8	1881.4
67.5°	1105.3	1251.7	1387.7	1509.8	1600.8	1653.6	1671.8	1651.0
70°	956.3	1082.8	1202.3	1300.2	1375.6	1423.2	1440.5	1422.3
72.5°	807.3	914.7	998.8	1093.2	1151.2	1191.1	1209.2	1191.9
75°	660.1	748.4	816.8	890.5	931.2	965.0	985.8	968.4
77.5°	517.1	585.6	640.1	693.8	740.6	748.4	766.6	755.3
80°	381.1	430.5	470.4	505.9	539.7	543.1	557.8	550.9
82.5°	253.8	286.7	297.1	334.4	356.0	352.6	367.3	362.1
85°	134.3	154.2	172.4	183.6	195.8	184.5	197.5	192.3
87.5°	45.0	47.6	41.6	58.9	65.0	55.4	63.2	60.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)