

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: P837909

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6STD-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: P837909
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-LD4-6STD-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

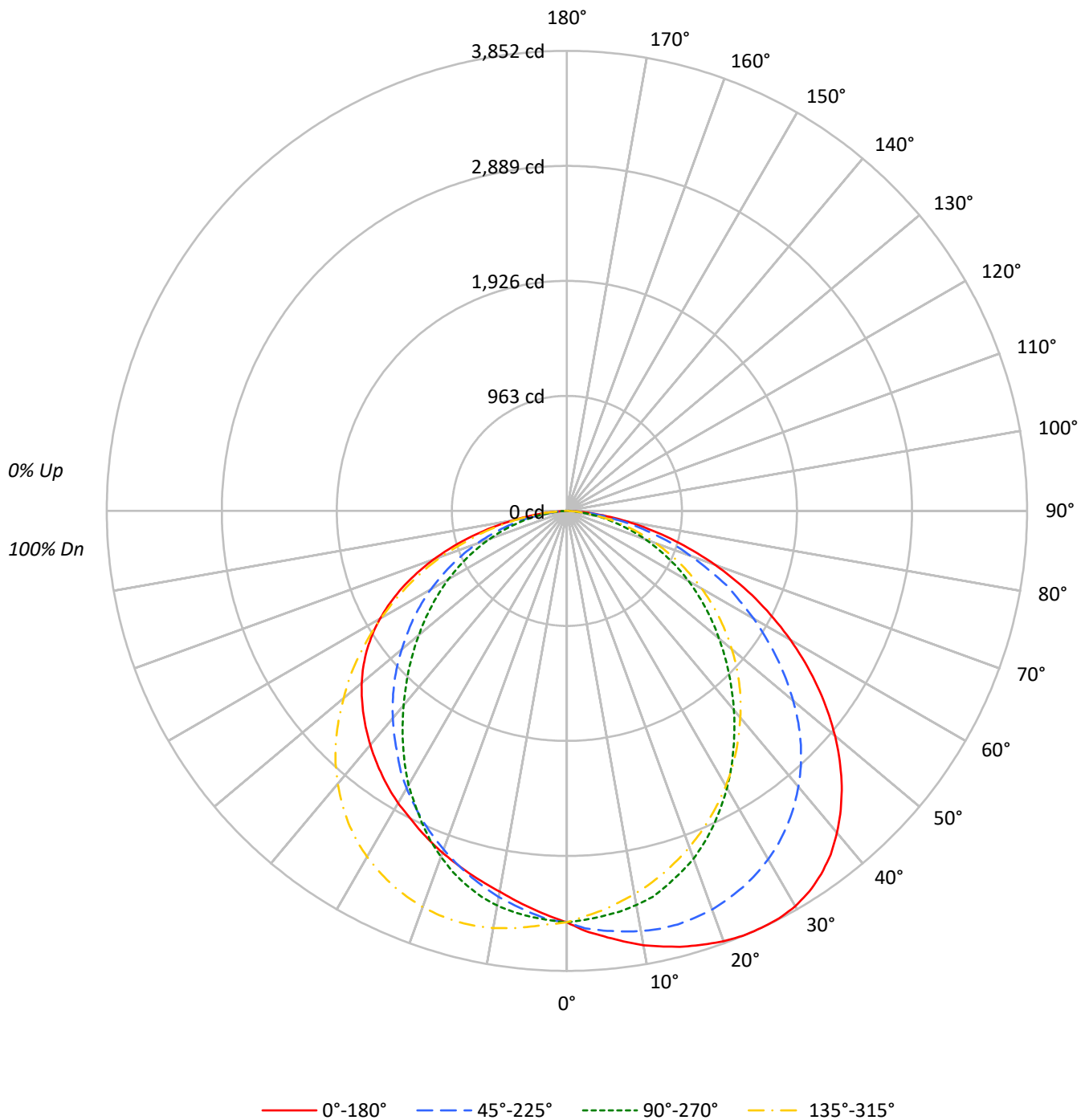
Lumens per Lamp: N/A
Luminaire Lumens: 10106.9 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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°	9270	9270	9270	9270
5°	9662	9203	9030	9219
10°	10092	9156	8847	9169
15°	10524	9040	8760	9042
20°	10983	8876	8721	8825
25°	11438	8628	8720	8539
30°	11880	8327	8779	8235
35°	12196	7985	8867	7859
40°	12358	7641	8991	7469
45°	12382	7293	9165	7110
50°	12265	6960	9389	6775
55°	12011	6650	9599	6465
60°	11634	6327	9726	6163
65°	11114	5956	9676	5818
70°	10382	5519	9332	5419
75°	9341	4921	8564	4896
80°	7920	4122	7198	4184
85°	5508	2729	4566	2803

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.1	3.2
10°-20°	947.1	9.4
20°-30°	1451.5	14.4
30°-40°	1764.9	17.5
40°-50°	1834.7	18.2
50°-60°	1657.3	16.4
60°-70°	1260.0	12.5
70°-80°	702.4	7.0
80°-90°	161.7	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°	2725.7	27.0
0°-40°	4490.6	44.4
0°-60°	7982.7	79.0
0°-90°	10106.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10106.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3445	3445	3445	3445	3445	
5°	3577	3407	3343	3413	3577	345
15°	3778	3245	3144	3246	3778	1071
25°	3852	2906	2937	2876	3852	1779
35°	3712	2431	2699	2392	3712	2319
45°	3254	1916	2408	1868	3254	2505
55°	2560	1418	2046	1378	2560	2285
65°	1745	935	1520	914	1745	1725
75°	898	473	824	471	898	954
85°	178	88	148	91	178	225
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°	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9
2.5°	3521.2	3469.8	3470.6	3515.6	3481.1	3497.9	3449.7	3468.2	3462.6	3466.6	3427.2
5°	3576.7	3521.2	3520.4	3559.0	3520.4	3527.7	3466.6	3478.7	3461.0	3449.7	3407.1
7.5°	3635.4	3579.9	3574.3	3608.0	3557.4	3551.8	3484.3	3484.3	3452.1	3424.0	3383.8
10°	3693.2	3636.2	3628.9	3654.6	3592.0	3573.5	3491.5	3478.7	3436.1	3394.3	3350.9
12.5°	3736.6	3678.7	3673.1	3689.2	3618.5	3584.7	3491.5	3466.6	3403.9	3345.3	3311.5
15°	3777.6	3718.1	3702.9	3710.9	3629.7	3584.7	3480.3	3441.7	3361.3	3284.2	3244.8
17.5°	3806.5	3749.5	3734.2	3733.4	3635.4	3571.1	3456.2	3403.1	3306.7	3213.5	3174.1
20°	3835.4	3778.4	3759.1	3744.6	3633.7	3552.6	3420.8	3349.3	3236.8	3132.3	3099.4
22.5°	3849.9	3791.2	3770.4	3748.7	3623.3	3518.8	3377.4	3286.6	3158.0	3033.5	3006.2
25°	3852.3	3792.0	3769.5	3738.2	3602.4	3478.7	3321.2	3211.1	3067.2	2929.0	2905.7
27.5°	3845.9	3780.0	3757.5	3719.7	3571.1	3429.6	3254.5	3125.1	2970.8	2818.1	2793.2
30°	3823.4	3756.7	3735.0	3686.0	3526.9	3369.4	3181.3	3029.5	2863.9	2701.6	2679.9
32.5°	3778.4	3713.3	3695.6	3646.6	3478.7	3299.5	3096.2	2926.6	2745.8	2590.7	2558.6
35°	3712.5	3647.4	3636.2	3584.7	3411.2	3215.9	3002.9	2814.1	2620.4	2462.1	2430.8
37.5°	3626.5	3571.9	3555.0	3504.4	3331.6	3121.1	2896.1	2692.0	2492.7	2322.3	2303.0
40°	3518.0	3466.6	3453.7	3408.7	3239.2	3015.8	2780.4	2565.8	2360.9	2202.6	2175.3
42.5°	3394.3	3346.1	3338.8	3292.2	3125.1	2899.3	2655.0	2434.8	2223.5	2070.8	2043.5
45°	3253.7	3207.0	3205.4	3161.2	3000.5	2769.9	2523.2	2302.2	2089.3	1931.0	1916.5
47.5°	3098.6	3056.8	3056.8	3015.8	2861.5	2627.7	2387.4	2164.0	1954.3	1814.5	1788.7
50°	2929.8	2890.4	2878.4	2858.3	2708.0	2472.6	2244.4	2029.0	1820.9	1687.5	1662.6
52.5°	2749.8	2716.1	2724.1	2687.1	2541.7	2311.1	2099.7	1877.1	1686.7	1565.4	1540.4
55°	2560.2	2512.0	2519.2	2505.5	2368.1	2144.7	1937.4	1751.8	1554.9	1440.8	1417.5
57.5°	2363.3	2300.6	2326.3	2318.3	2183.3	1974.4	1788.7	1609.6	1423.9	1318.7	1296.2
60°	2161.6	2101.3	2127.9	2120.6	1993.7	1804.0	1635.3	1468.9	1293.7	1198.1	1175.6
62.5°	1954.3	1898.8	1922.9	1917.3	1800.8	1629.6	1482.6	1329.9	1162.8	1076.8	1055.9
65°	1745.4	1692.3	1714.0	1710.0	1602.3	1472.1	1325.9	1186.1	1031.0	956.2	935.4
67.5°	1531.6	1482.6	1502.7	1502.7	1403.8	1279.3	1168.4	1040.6	901.6	837.3	818.0
70°	1319.5	1273.7	1291.3	1289.7	1206.2	1104.9	1009.3	895.2	770.6	717.6	701.5
72.5°	1105.7	1065.5	1081.6	1080.0	1010.1	945.0	850.2	751.3	642.9	600.3	585.8
75°	898.4	860.6	875.9	874.3	817.2	756.2	692.7	610.7	517.5	487.8	473.3
77.5°	700.7	662.1	675.0	675.0	633.2	589.0	538.4	474.9	409.0	376.9	366.4
80°	511.1	492.6	486.2	487.0	458.8	429.9	404.2	343.1	294.9	273.2	266.0
82.5°	335.9	320.6	314.2	315.8	299.7	282.1	266.0	223.4	191.2	178.4	174.4
85°	178.4	167.1	161.5	165.5	162.3	152.7	144.6	115.7	95.6	90.8	88.4
87.5°	56.2	49.0	45.0	59.5	50.6	45.0	43.4	34.6	26.5	26.5	25.7
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°	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9
2.5°	3440.1	3440.1	3408.7	3401.5	3398.3	3402.3	3371.0	3365.4	3410.4	3395.1	3360.5
5°	3412.8	3411.2	3367.0	3358.9	3358.9	3354.1	3318.7	3310.7	3355.7	3342.9	3305.1
7.5°	3379.0	3374.2	3322.0	3316.3	3308.3	3305.1	3265.7	3260.1	3298.7	3290.6	3255.3
10°	3338.0	3333.2	3271.3	3267.3	3258.5	3252.0	3215.1	3211.1	3250.4	3237.6	3209.5
12.5°	3284.2	3275.4	3211.9	3207.9	3200.6	3198.2	3162.0	3160.4	3203.8	3191.0	3161.2
15°	3213.5	3206.2	3135.5	3137.1	3137.9	3137.9	3109.0	3107.4	3150.0	3144.4	3112.2
17.5°	3135.5	3125.9	3058.4	3063.2	3068.8	3075.3	3052.8	3056.8	3101.8	3094.5	3065.6
20°	3047.1	3037.5	2971.6	2985.3	2997.3	3010.2	2995.7	3007.0	3048.7	3045.5	3023.8
22.5°	2948.3	2938.7	2877.6	2898.5	2918.6	2942.7	2936.2	2949.1	2993.3	2992.5	2973.2
25°	2827.8	2830.2	2776.3	2802.0	2835.8	2869.5	2872.0	2892.9	2941.9	2937.0	2919.4
27.5°	2715.3	2718.5	2661.4	2704.8	2749.8	2793.2	2803.7	2832.6	2882.4	2878.4	2863.1
30°	2597.1	2601.2	2545.7	2605.2	2659.8	2712.9	2735.4	2774.7	2825.4	2825.4	2809.3
32.5°	2474.2	2481.4	2423.6	2503.1	2566.6	2628.5	2667.9	2708.8	2766.7	2765.1	2751.4
35°	2348.0	2356.1	2303.0	2404.3	2467.8	2543.3	2592.3	2647.0	2698.4	2699.2	2688.7
37.5°	2219.5	2229.1	2180.9	2291.8	2364.1	2453.3	2516.0	2570.6	2627.7	2630.9	2621.2
40°	2091.7	2102.1	2060.4	2167.2	2258.8	2358.5	2430.8	2495.1	2557.8	2559.4	2552.9
42.5°	1963.9	1975.2	1943.8	2048.3	2152.0	2258.8	2344.0	2417.1	2481.4	2485.4	2478.2
45°	1839.4	1849.0	1826.5	1940.6	2040.3	2156.8	2254.8	2337.6	2402.7	2408.3	2405.9
47.5°	1715.6	1724.5	1704.4	1808.8	1923.7	2047.5	2160.8	2252.4	2321.5	2327.9	2326.3
50°	1594.3	1601.5	1579.8	1689.1	1803.2	1935.0	2053.1	2159.2	2236.3	2242.8	2242.0
52.5°	1473.7	1481.0	1462.5	1577.4	1681.1	1820.1	1948.7	2063.6	2139.9	2149.6	2151.2
55°	1357.2	1360.4	1346.0	1456.1	1556.5	1702.0	1849.8	1961.5	2037.9	2045.9	2050.7
57.5°	1240.7	1241.5	1229.5	1334.7	1431.2	1579.8	1734.9	1852.2	1924.6	1932.6	1939.8
60°	1125.0	1124.2	1110.5	1212.6	1305.0	1452.1	1613.6	1730.1	1800.0	1807.2	1816.9
62.5°	1010.1	1007.7	995.6	1089.6	1176.4	1321.9	1484.2	1596.7	1663.4	1668.2	1681.1
65°	896.0	893.6	882.3	969.1	1047.9	1186.9	1346.0	1452.9	1513.1	1519.6	1517.1
67.5°	783.5	778.7	769.8	847.8	919.3	1047.9	1200.5	1302.6	1352.4	1358.0	1373.3
70°	671.0	665.4	645.3	728.0	790.7	905.6	1047.9	1138.7	1180.4	1186.1	1183.7
72.5°	560.1	554.5	532.8	609.1	662.1	762.6	889.6	965.1	1001.2	1006.1	1006.1
75°	452.4	449.2	435.5	493.4	537.6	619.6	727.2	789.9	818.0	823.7	822.1
77.5°	348.7	346.3	332.7	382.5	417.1	478.1	564.9	613.9	634.8	641.2	654.9
80°	249.9	249.1	227.4	276.4	291.7	343.1	406.6	444.4	455.6	464.5	474.1
82.5°	159.9	160.7	139.0	180.8	187.2	220.2	259.6	282.9	290.9	298.1	305.4
85°	77.9	81.2	69.1	95.6	96.4	113.3	130.2	139.0	142.2	147.9	154.3
87.5°	20.1	23.3	12.9	27.3	24.1	31.3	36.2	38.6	37.8	41.8	44.2
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°	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9
2.5°	3371.8	3397.5	3384.6	3426.4	3442.5	3416.8	3461.8	3462.6	3430.4	3468.2	3489.1
5°	3319.5	3346.1	3338.0	3381.4	3401.5	3379.0	3433.7	3444.1	3412.8	3455.4	3489.1
7.5°	3266.5	3297.9	3287.4	3331.6	3355.7	3338.0	3396.7	3413.6	3389.5	3436.1	3481.1
10°	3220.7	3247.2	3236.0	3282.6	3303.5	3289.0	3346.9	3378.2	3355.7	3412.8	3466.6
12.5°	3175.7	3197.4	3184.5	3223.1	3243.2	3224.7	3295.4	3324.4	3308.3	3367.8	3436.9
15°	3117.9	3142.0	3124.3	3158.8	3174.1	3158.0	3215.9	3265.7	3245.6	3310.7	3387.0
17.5°	3073.7	3087.3	3063.2	3090.5	3099.4	3077.7	3136.3	3185.4	3170.9	3241.6	3330.0
20°	3024.6	3035.9	3002.1	3017.4	3016.6	2989.3	3043.1	3091.3	3081.7	3159.6	3260.1
22.5°	2970.0	2975.6	2936.2	2939.5	2937.9	2892.9	2941.1	2990.1	2986.1	3064.8	3177.3
25°	2912.1	2912.9	2862.3	2860.7	2843.0	2790.0	2832.6	2888.0	2876.0	2961.2	3079.3
27.5°	2855.1	2847.0	2786.0	2771.5	2743.4	2679.9	2717.7	2767.5	2760.3	2843.8	2974.8
30°	2794.0	2783.6	2708.8	2682.3	2641.3	2568.2	2599.5	2646.2	2650.2	2723.3	2860.7
32.5°	2736.2	2709.6	2626.9	2588.3	2536.9	2451.7	2468.6	2516.0	2522.4	2596.3	2737.8
35°	2661.4	2643.7	2541.7	2475.8	2425.2	2332.0	2349.6	2382.6	2392.2	2464.5	2608.4
37.5°	2590.7	2562.6	2454.1	2373.7	2308.7	2210.6	2215.4	2249.2	2258.8	2332.0	2474.2
40°	2517.6	2477.4	2360.9	2266.9	2192.1	2089.3	2083.7	2119.0	2126.2	2197.8	2326.3
42.5°	2439.6	2391.4	2260.4	2157.6	2071.6	1967.1	1955.9	1986.4	1994.5	2064.4	2190.5
45°	2360.9	2303.0	2157.6	2045.1	1951.1	1844.2	1832.9	1856.2	1868.3	1934.2	2055.5
47.5°	2277.3	2209.8	2051.5	1926.2	1828.9	1722.1	1708.4	1731.7	1741.3	1806.4	1921.3
50°	2189.7	2107.8	1942.2	1804.0	1707.6	1602.3	1582.2	1609.6	1618.4	1679.5	1792.0
52.5°	2093.3	2002.5	1825.7	1681.1	1584.6	1484.2	1460.1	1486.6	1497.1	1556.5	1660.2
55°	1991.2	1893.2	1708.4	1567.8	1463.3	1365.3	1345.2	1355.6	1378.1	1434.4	1530.8
57.5°	1876.3	1779.1	1584.6	1441.6	1341.2	1247.1	1230.3	1239.9	1260.8	1315.4	1402.2
60°	1754.2	1651.3	1458.5	1315.4	1218.2	1129.0	1113.7	1122.6	1145.1	1194.9	1275.3
62.5°	1633.7	1517.9	1328.3	1186.1	1097.7	1014.9	1010.9	1007.7	1028.6	1076.8	1147.5
65°	1487.4	1376.5	1192.5	1057.5	977.1	902.4	886.3	893.6	913.7	957.9	1031.8
67.5°	1330.7	1230.3	1053.5	928.9	857.4	790.7	777.1	780.3	801.2	839.7	904.0
70°	1164.4	1076.0	911.2	799.6	739.3	676.6	667.8	668.6	688.7	722.4	778.7
72.5°	990.0	910.4	767.4	671.8	622.0	577.0	568.9	559.3	577.8	606.7	654.9
75°	812.4	742.5	624.4	546.4	507.1	469.3	462.1	452.4	470.9	495.8	533.6
77.5°	633.2	577.0	485.4	425.1	394.6	366.4	360.0	349.6	368.0	386.5	416.2
80°	458.0	417.1	362.4	298.9	288.5	270.0	263.6	252.3	270.0	282.1	304.6
82.5°	295.7	268.4	237.1	192.9	191.2	177.6	174.4	161.5	177.6	184.8	201.7
85°	149.5	136.6	128.6	98.0	101.2	92.4	91.6	77.9	90.8	94.0	103.7
87.5°	42.6	45.0	40.2	24.1	30.5	28.9	28.9	20.9	28.9	28.9	32.9
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: P837909

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

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9	3444.9
2.5°	3448.1	3461.8	3465.0	3464.2	3473.0	3521.2	3505.2	3521.2
5°	3456.2	3486.7	3494.7	3506.0	3520.4	3575.1	3557.4	3576.7
7.5°	3461.0	3506.8	3524.5	3546.2	3569.5	3630.5	3616.1	3635.4
10°	3461.0	3520.4	3546.2	3582.3	3613.7	3684.4	3670.7	3693.2
12.5°	3446.5	3522.9	3559.0	3609.6	3649.8	3726.2	3720.5	3736.6
15°	3416.8	3510.8	3560.6	3625.7	3675.5	3760.7	3758.3	3777.6
17.5°	3376.6	3489.9	3550.2	3632.1	3694.8	3790.4	3796.1	3806.5
20°	3326.0	3450.5	3529.3	3629.7	3708.5	3813.7	3821.0	3835.4
22.5°	3259.3	3403.1	3497.9	3619.3	3710.1	3823.4	3836.2	3849.9
25°	3180.5	3346.1	3457.0	3599.2	3702.0	3822.6	3840.3	3852.3
27.5°	3090.5	3272.1	3404.7	3567.0	3679.5	3809.7	3831.4	3845.9
30°	2986.1	3193.4	3345.3	3525.3	3649.0	3785.6	3808.9	3823.4
32.5°	2878.4	3106.6	3274.5	3471.4	3604.8	3747.0	3767.1	3778.4
35°	2761.1	3001.3	3189.4	3402.3	3547.8	3685.2	3700.4	3712.5
37.5°	2633.3	2887.2	3092.1	3324.4	3467.4	3599.2	3612.9	3626.5
40°	2501.5	2767.5	2982.9	3228.7	3371.8	3493.9	3508.4	3518.0
42.5°	2368.9	2634.9	2866.3	3116.2	3258.5	3375.8	3384.6	3394.3
45°	2234.7	2497.5	2735.4	2991.7	3132.3	3242.4	3245.6	3253.7
47.5°	2098.1	2355.3	2591.5	2849.5	2988.5	3088.9	3092.1	3098.6
50°	1960.7	2213.0	2438.0	2696.0	2831.8	2937.9	2923.4	2929.8
52.5°	1825.7	2063.6	2293.4	2530.4	2664.6	2758.7	2762.7	2749.8
55°	1693.1	1917.3	2128.7	2356.9	2484.6	2557.8	2555.4	2560.2
57.5°	1558.9	1769.5	1963.1	2172.1	2296.6	2365.7	2380.2	2363.3
60°	1422.3	1620.0	1793.6	1982.4	2102.9	2160.8	2177.7	2161.6
62.5°	1286.5	1468.1	1625.6	1790.4	1902.1	1973.6	1972.0	1954.3
65°	1150.7	1315.4	1456.1	1595.9	1693.1	1764.6	1761.4	1745.4
67.5°	1025.4	1161.2	1287.3	1400.6	1485.0	1534.0	1550.9	1531.6
70°	887.1	1004.5	1115.4	1206.2	1276.1	1320.3	1336.3	1319.5
72.5°	748.9	848.6	926.5	1014.1	1067.9	1104.9	1121.8	1105.7
75°	612.3	694.3	757.8	826.1	863.8	895.2	914.5	898.4
77.5°	479.7	543.2	593.8	643.7	687.1	694.3	711.2	700.7
80°	353.6	399.4	436.3	469.3	500.6	503.8	517.5	511.1
82.5°	235.4	266.0	275.6	310.2	330.3	327.1	340.7	335.9
85°	124.6	143.0	159.9	170.4	181.6	171.2	183.2	178.4
87.5°	41.8	44.2	38.6	54.6	60.3	51.4	58.7	56.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)