

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: P837892

Luminaire Tested: **ORLG-24-2-INS-ASY2R-LD4-6HI-35-120-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: P837892
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-35-120-EDD
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

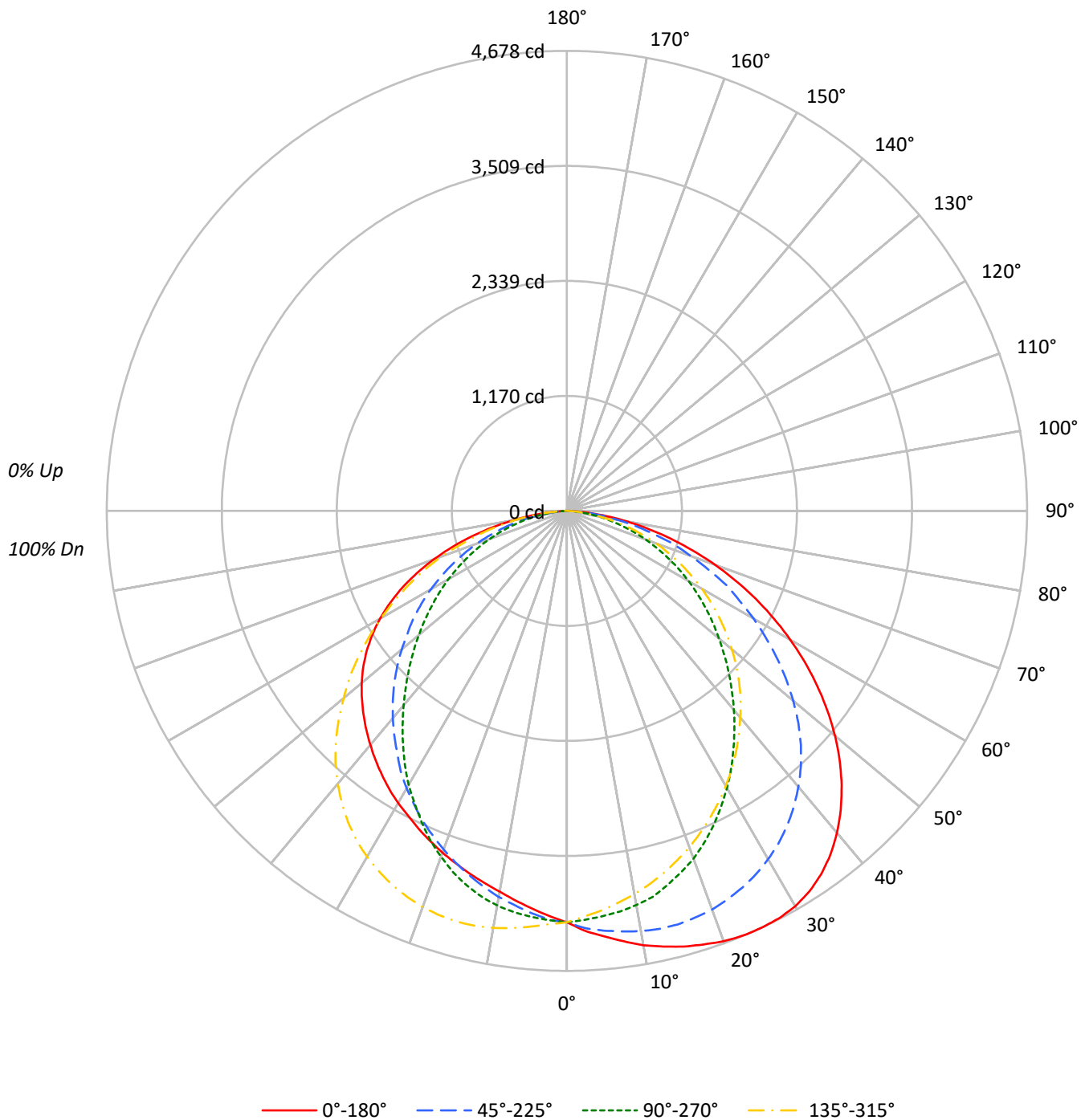
Lumens per Lamp: N/A
Luminaire Lumens: 12273.2 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	86	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	59
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	45	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	40	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11257	11257	11257	11257
5°	11732	11176	10965	11195
10°	12255	11119	10743	11135
15°	12780	10977	10637	10980
20°	13338	10778	10591	10716
25°	13890	10477	10590	10370
30°	14427	10112	10661	10000
35°	14810	9697	10768	9543
40°	15007	9279	10918	9070
45°	15036	8857	11130	8634
50°	14894	8452	11402	8228
55°	14586	8076	11656	7851
60°	14127	7683	11811	7484
65°	13495	7232	11749	7065
70°	12607	6703	11332	6580
75°	11342	5975	10399	5945
80°	9617	5005	8740	5081
85°	6688	3313	5542	3406

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.2	3.2
10°-20°	1150.1	9.4
20°-30°	1762.6	14.4
30°-40°	2143.2	17.5
40°-50°	2228.0	18.2
50°-60°	2012.6	16.4
60°-70°	1530.1	12.5
70°-80°	853.0	7.0
80°-90°	196.4	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°	3309.9	27.0
0°-40°	5453.1	44.4
0°-60°	9693.7	79.0
0°-90°	12273.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12273.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4183	4183	4183	4183	4183	
5°	4343	4137	4059	4144	4343	419
15°	4587	3940	3818	3941	4587	1301
25°	4678	3528	3567	3492	4678	2161
35°	4508	2952	3278	2905	4508	2816
45°	3951	2327	2924	2269	3951	3042
55°	3109	1721	2484	1674	3109	2775
65°	2119	1136	1845	1110	2119	2094
75°	1091	575	1000	572	1091	1159
85°	217	107	180	110	217	273
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°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
2.5°	4276.0	4213.5	4214.5	4269.1	4227.2	4247.7	4189.1	4211.6	4204.7	4209.6	4161.8
5°	4343.3	4276.0	4275.0	4321.8	4275.0	4283.8	4209.6	4224.3	4202.8	4189.1	4137.4
7.5°	4414.5	4347.2	4340.4	4381.4	4319.9	4313.1	4231.1	4231.1	4192.1	4157.9	4109.1
10°	4484.8	4415.5	4406.7	4438.0	4361.8	4339.4	4239.9	4224.3	4172.5	4121.8	4069.1
12.5°	4537.5	4467.2	4460.4	4479.9	4394.0	4353.1	4239.9	4209.6	4133.5	4062.3	4021.3
15°	4587.3	4515.0	4496.5	4506.3	4407.7	4353.1	4226.2	4179.4	4081.8	3988.1	3940.3
17.5°	4622.4	4553.1	4534.6	4533.6	4414.5	4336.5	4196.9	4132.5	4015.4	3902.2	3854.4
20°	4657.5	4588.2	4564.8	4547.2	4412.6	4314.0	4154.0	4067.2	3930.5	3803.7	3763.7
22.5°	4675.1	4603.8	4578.5	4552.1	4399.9	4273.0	4101.3	3991.0	3834.9	3683.7	3650.5
25°	4678.0	4604.8	4577.5	4539.4	4374.5	4224.3	4033.0	3899.3	3724.6	3556.8	3528.5
27.5°	4670.2	4590.2	4562.9	4517.0	4336.5	4164.7	3952.0	3794.9	3607.5	3422.1	3391.9
30°	4642.9	4561.9	4535.5	4476.0	4282.8	4091.5	3863.2	3678.8	3477.8	3280.7	3254.3
32.5°	4588.2	4509.2	4487.7	4428.2	4224.3	4006.7	3759.8	3553.9	3334.3	3146.0	3107.0
35°	4508.2	4429.2	4415.5	4353.1	4142.3	3905.2	3646.6	3417.3	3182.1	2989.9	2951.8
37.5°	4403.8	4337.5	4317.0	4255.5	4045.7	3790.0	3516.8	3268.9	3026.9	2820.1	2796.7
40°	4272.1	4209.6	4194.0	4139.4	3933.5	3662.2	3376.3	3115.7	2866.9	2674.7	2641.5
42.5°	4121.8	4063.3	4054.5	3997.9	3794.9	3520.7	3224.1	2956.7	2700.1	2514.6	2481.5
45°	3951.0	3894.4	3892.5	3838.8	3643.7	3363.6	3064.0	2795.7	2537.1	2344.9	2327.3
47.5°	3762.7	3712.0	3712.0	3662.2	3474.8	3190.9	2899.1	2627.8	2373.2	2203.4	2172.1
50°	3557.8	3510.0	3495.3	3470.9	3288.5	3002.6	2725.4	2463.9	2211.2	2049.2	2018.9
52.5°	3339.2	3298.2	3308.0	3263.1	3086.5	2806.4	2549.8	2279.5	2048.2	1900.9	1870.6
55°	3108.9	3050.4	3059.1	3042.6	2875.7	2604.4	2352.7	2127.3	1888.2	1749.6	1721.3
57.5°	2869.8	2793.7	2825.0	2815.2	2651.3	2397.6	2172.1	1954.5	1729.1	1601.3	1574.0
60°	2624.9	2551.7	2583.9	2575.1	2421.0	2190.7	1985.8	1783.8	1571.0	1454.9	1427.6
62.5°	2373.2	2305.8	2335.1	2328.3	2186.8	1978.9	1800.4	1615.0	1412.0	1307.6	1282.2
65°	2119.4	2055.0	2081.4	2076.5	1945.8	1787.7	1610.1	1440.3	1252.0	1161.2	1135.8
67.5°	1859.9	1800.4	1824.8	1824.8	1704.7	1553.5	1418.8	1263.7	1094.9	1016.8	993.4
70°	1602.3	1546.7	1568.1	1566.2	1464.7	1341.7	1225.6	1087.0	935.8	871.4	851.9
72.5°	1342.7	1293.9	1313.4	1311.5	1226.6	1147.5	1032.4	912.4	780.6	728.9	711.4
75°	1090.9	1045.1	1063.6	1061.7	992.4	918.2	841.1	741.6	628.4	592.3	574.7
77.5°	850.9	804.1	819.7	819.7	768.9	715.3	653.8	576.7	496.7	457.7	445.0
80°	620.6	598.2	590.4	591.3	557.2	522.1	490.8	416.7	358.1	331.8	323.0
82.5°	407.9	389.3	381.5	383.5	364.0	342.5	323.0	271.3	232.2	216.6	211.7
85°	216.6	203.0	196.1	201.0	197.1	185.4	175.6	140.5	116.1	110.3	107.3
87.5°	68.3	59.5	54.6	72.2	61.5	54.6	52.7	42.0	32.2	32.2	31.2
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
2.5°	4177.4	4177.4	4139.4	4130.6	4126.7	4131.6	4093.5	4086.7	4141.3	4122.8	4080.8
5°	4144.2	4142.3	4088.6	4078.9	4078.9	4073.0	4030.1	4020.3	4075.0	4059.3	4013.5
7.5°	4103.3	4097.4	4034.0	4027.1	4017.4	4013.5	3965.7	3958.8	4005.7	3995.9	3953.0
10°	4053.5	4047.6	3972.5	3967.6	3956.9	3949.1	3904.2	3899.3	3947.1	3931.5	3897.4
12.5°	3988.1	3977.4	3900.3	3895.4	3886.6	3883.7	3839.8	3837.8	3890.5	3874.9	3838.8
15°	3902.2	3893.5	3807.6	3809.5	3810.5	3810.5	3775.4	3773.4	3825.2	3818.3	3779.3
17.5°	3807.6	3795.9	3713.9	3719.8	3726.6	3734.4	3707.1	3712.0	3766.6	3757.8	3722.7
20°	3700.3	3688.5	3608.5	3625.1	3639.8	3655.4	3637.8	3651.5	3702.2	3698.3	3672.0
22.5°	3580.2	3568.5	3494.4	3519.7	3544.1	3573.4	3565.6	3581.2	3634.9	3633.9	3610.5
25°	3433.9	3436.8	3371.4	3402.6	3443.6	3484.6	3487.5	3512.9	3572.4	3566.6	3545.1
27.5°	3297.2	3301.1	3231.9	3284.6	3339.2	3391.9	3404.6	3439.7	3500.2	3495.3	3476.8
30°	3153.8	3158.7	3091.3	3163.6	3229.9	3294.3	3321.6	3369.5	3430.9	3430.9	3411.4
32.5°	3004.5	3013.3	2943.0	3039.6	3116.7	3191.9	3239.7	3289.4	3359.7	3357.7	3341.2
35°	2851.3	2861.1	2796.7	2919.6	2996.7	3088.4	3147.9	3214.3	3276.8	3277.7	3265.0
37.5°	2695.2	2706.9	2648.3	2783.0	2870.8	2979.1	3055.2	3121.6	3190.9	3194.8	3183.1
40°	2540.0	2552.7	2502.0	2631.7	2743.0	2864.0	2951.8	3029.9	3106.0	3107.9	3100.1
42.5°	2384.9	2398.5	2360.5	2487.3	2613.2	2743.0	2846.4	2935.2	3013.3	3018.2	3009.4
45°	2233.6	2245.3	2218.0	2356.6	2477.6	2619.1	2738.1	2838.6	2917.7	2924.5	2921.6
47.5°	2083.3	2094.1	2069.7	2196.5	2336.1	2486.3	2623.9	2735.2	2819.1	2826.9	2825.0
50°	1936.0	1944.8	1918.4	2051.1	2189.7	2349.7	2493.2	2622.0	2715.7	2723.5	2722.5
52.5°	1789.6	1798.4	1776.0	1915.5	2041.4	2210.2	2366.3	2505.9	2598.6	2610.3	2612.2
55°	1648.1	1652.0	1634.5	1768.2	1890.1	2066.8	2246.3	2381.9	2474.6	2484.4	2490.3
57.5°	1506.6	1507.6	1493.0	1620.8	1737.9	1918.4	2106.8	2249.2	2337.1	2346.8	2355.6
60°	1366.1	1365.2	1348.6	1472.5	1584.7	1763.3	1959.4	2100.9	2185.8	2194.6	2206.3
62.5°	1226.6	1223.7	1209.0	1323.2	1428.6	1605.2	1802.3	1938.9	2019.9	2025.8	2041.4
65°	1088.0	1085.1	1071.4	1176.8	1272.4	1441.3	1634.5	1764.3	1837.4	1845.2	1842.3
67.5°	951.4	945.6	934.8	1029.5	1116.3	1272.4	1457.9	1581.8	1642.3	1649.1	1667.6
70°	814.8	808.0	783.6	884.1	960.2	1099.7	1272.4	1382.7	1433.5	1440.3	1437.4
72.5°	680.1	673.3	647.0	739.7	804.1	926.0	1080.2	1171.9	1215.9	1221.7	1221.7
75°	549.4	545.5	528.9	599.1	652.8	752.3	883.1	959.2	993.4	1000.2	998.2
77.5°	423.5	420.6	404.0	464.5	506.4	580.6	686.0	745.5	770.9	778.7	795.3
80°	303.5	302.5	276.2	335.7	354.2	416.7	493.8	539.6	553.3	564.0	575.7
82.5°	194.2	195.2	168.8	219.6	227.4	267.4	315.2	343.5	353.2	362.0	370.8
85°	94.7	98.6	83.9	116.1	117.1	137.6	158.1	168.8	172.7	179.5	187.4
87.5°	24.4	28.3	15.6	33.2	29.3	38.1	43.9	46.8	45.9	50.7	53.7
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
2.5°	4094.5	4125.7	4110.1	4160.8	4180.3	4149.1	4203.8	4204.7	4165.7	4211.6	4236.9
5°	4031.0	4063.3	4053.5	4106.2	4130.6	4103.3	4169.6	4182.3	4144.2	4196.0	4236.9
7.5°	3966.6	4004.7	3992.0	4045.7	4075.0	4053.5	4124.7	4145.2	4115.9	4172.5	4227.2
10°	3911.0	3943.2	3929.6	3986.2	4011.5	3994.0	4064.2	4102.3	4075.0	4144.2	4209.6
12.5°	3856.4	3882.7	3867.1	3914.0	3938.3	3915.9	4001.8	4036.9	4017.4	4089.6	4173.5
15°	3786.1	3815.4	3793.9	3835.9	3854.4	3834.9	3905.2	3965.7	3941.3	4020.3	4113.0
17.5°	3732.5	3749.0	3719.8	3752.9	3763.7	3737.3	3808.6	3868.1	3850.5	3936.4	4043.7
20°	3672.9	3686.6	3645.6	3664.1	3663.2	3630.0	3695.4	3753.9	3742.2	3836.9	3958.8
22.5°	3606.6	3613.4	3565.6	3569.5	3567.5	3512.9	3571.4	3631.0	3626.1	3721.7	3858.3
25°	3536.3	3537.3	3475.8	3473.9	3452.4	3388.0	3439.7	3507.0	3492.4	3595.8	3739.3
27.5°	3467.0	3457.3	3383.1	3365.5	3331.4	3254.3	3300.2	3360.7	3351.9	3453.4	3612.4
30°	3392.9	3380.2	3289.4	3257.2	3207.5	3118.7	3156.7	3213.3	3218.2	3307.0	3473.9
32.5°	3322.6	3290.4	3189.9	3143.1	3080.6	2977.2	2997.7	3055.2	3063.1	3152.8	3324.6
35°	3231.9	3210.4	3086.5	3006.5	2945.0	2831.8	2853.3	2893.3	2905.0	2992.8	3167.5
37.5°	3146.0	3111.8	2980.1	2882.5	2803.5	2684.4	2690.3	2731.3	2743.0	2831.8	3004.5
40°	3057.2	3008.4	2866.9	2752.7	2662.0	2537.1	2530.3	2573.2	2582.0	2668.8	2825.0
42.5°	2962.5	2904.0	2744.9	2620.0	2515.6	2388.8	2375.1	2412.2	2421.9	2506.8	2660.0
45°	2866.9	2796.7	2620.0	2483.4	2369.3	2239.5	2225.8	2254.1	2268.7	2348.8	2496.1
47.5°	2765.4	2683.5	2491.2	2339.0	2220.9	2091.1	2074.6	2102.9	2114.6	2193.6	2333.1
50°	2659.1	2559.5	2358.5	2190.7	2073.6	1945.8	1921.4	1954.5	1965.3	2039.4	2176.0
52.5°	2542.0	2431.7	2217.0	2041.4	1924.3	1802.3	1773.0	1805.2	1817.9	1890.1	2016.0
55°	2418.0	2299.0	2074.6	1903.8	1776.9	1657.9	1633.5	1646.2	1673.5	1741.8	1858.9
57.5°	2278.5	2160.4	1924.3	1750.6	1628.6	1514.4	1494.0	1505.7	1531.0	1597.4	1702.8
60°	2130.2	2005.3	1771.1	1597.4	1479.3	1371.0	1352.5	1363.2	1390.5	1451.0	1548.6
62.5°	1983.8	1843.3	1613.0	1440.3	1332.9	1232.4	1227.6	1223.7	1249.0	1307.6	1393.4
65°	1806.2	1671.6	1448.1	1284.2	1186.6	1095.8	1076.3	1085.1	1109.5	1163.2	1252.9
67.5°	1615.9	1494.0	1279.3	1128.0	1041.2	960.2	943.6	947.5	972.9	1019.7	1097.8
70°	1413.9	1306.6	1106.6	970.9	897.7	821.6	810.9	811.9	836.3	877.2	945.6
72.5°	1202.2	1105.6	931.9	815.8	755.3	700.6	690.9	679.2	701.6	736.7	795.3
75°	986.5	901.6	758.2	663.5	615.7	569.9	561.1	549.4	571.8	602.1	647.9
77.5°	768.9	700.6	589.4	516.2	479.1	445.0	437.2	424.5	446.9	469.4	505.5
80°	556.2	506.4	440.1	363.0	350.3	327.9	320.1	306.4	327.9	342.5	369.8
82.5°	359.1	325.9	287.9	234.2	232.2	215.7	211.7	196.1	215.7	224.4	244.9
85°	181.5	165.9	156.1	119.0	123.0	112.2	111.2	94.7	110.3	114.2	125.9
87.5°	51.7	54.6	48.8	29.3	37.1	35.1	35.1	25.4	35.1	35.1	40.0
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: P837892

CATALOG NUMBER: ORLG-24-2-INS-ASY2R-LD4-6HI-35-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
2.5°	4187.2	4203.8	4207.7	4206.7	4217.4	4276.0	4256.5	4276.0
5°	4196.9	4234.0	4243.8	4257.4	4275.0	4341.4	4319.9	4343.3
7.5°	4202.8	4258.4	4279.9	4306.2	4334.5	4408.7	4391.1	4414.5
10°	4202.8	4275.0	4306.2	4350.1	4388.2	4474.1	4457.5	4484.8
12.5°	4185.2	4277.9	4321.8	4383.3	4432.1	4524.8	4518.0	4537.5
15°	4149.1	4263.3	4323.8	4402.8	4463.3	4566.8	4563.8	4587.3
17.5°	4100.3	4237.9	4311.1	4410.6	4486.7	4602.9	4609.7	4622.4
20°	4038.9	4190.1	4285.7	4407.7	4503.3	4631.2	4640.0	4657.5
22.5°	3957.9	4132.5	4247.7	4395.0	4505.3	4642.9	4658.5	4675.1
25°	3862.2	4063.3	4197.9	4370.6	4495.5	4641.9	4663.4	4678.0
27.5°	3752.9	3973.5	4134.5	4331.6	4468.2	4626.3	4652.6	4670.2
30°	3626.1	3877.8	4062.3	4280.9	4431.1	4597.0	4625.3	4642.9
32.5°	3495.3	3772.5	3976.4	4215.5	4377.5	4550.2	4574.6	4588.2
35°	3352.9	3644.6	3873.0	4131.6	4308.2	4475.0	4493.6	4508.2
37.5°	3197.7	3506.1	3754.9	4036.9	4210.6	4370.6	4387.2	4403.8
40°	3037.7	3360.7	3622.2	3920.8	4094.5	4242.8	4260.4	4272.1
42.5°	2876.7	3199.7	3480.7	3784.2	3956.9	4099.4	4110.1	4121.8
45°	2713.7	3032.8	3321.6	3632.9	3803.7	3937.4	3941.3	3951.0
47.5°	2547.8	2860.1	3147.0	3460.2	3629.0	3751.0	3754.9	3762.7
50°	2381.0	2687.4	2960.6	3273.8	3438.7	3567.5	3550.0	3557.8
52.5°	2217.0	2505.9	2784.9	3072.8	3235.8	3349.9	3354.8	3339.2
55°	2056.0	2328.3	2584.9	2862.0	3017.2	3106.0	3103.1	3108.9
57.5°	1893.1	2148.7	2383.9	2637.6	2788.8	2872.8	2890.3	2869.8
60°	1727.2	1967.2	2178.0	2407.3	2553.7	2623.9	2644.4	2624.9
62.5°	1562.3	1782.8	1974.1	2174.1	2309.7	2396.6	2394.6	2373.2
65°	1397.4	1597.4	1768.2	1937.9	2056.0	2142.9	2139.0	2119.4
67.5°	1245.1	1410.0	1563.2	1700.8	1803.3	1862.8	1883.3	1859.9
70°	1077.3	1219.8	1354.4	1464.7	1549.6	1603.2	1622.8	1602.3
72.5°	909.4	1030.4	1125.1	1231.5	1296.8	1341.7	1362.2	1342.7
75°	743.6	843.1	920.2	1003.1	1049.0	1087.0	1110.5	1090.9
77.5°	582.6	659.6	721.1	781.6	834.3	843.1	863.6	850.9
80°	429.4	485.0	529.9	569.9	607.9	611.8	628.4	620.6
82.5°	285.9	323.0	334.7	376.7	401.1	397.2	413.7	407.9
85°	151.2	173.7	194.2	206.9	220.5	207.8	222.5	216.6
87.5°	50.7	53.7	46.8	66.4	73.2	62.5	71.2	68.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)