

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: P838243

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-3HI-50-120-EDD-90**

Issue Date: 5/21/2024



Test Information

Test Method: LM-79-08
Report Number: P838243
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-LD4-3HI-50-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and RFI grid
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

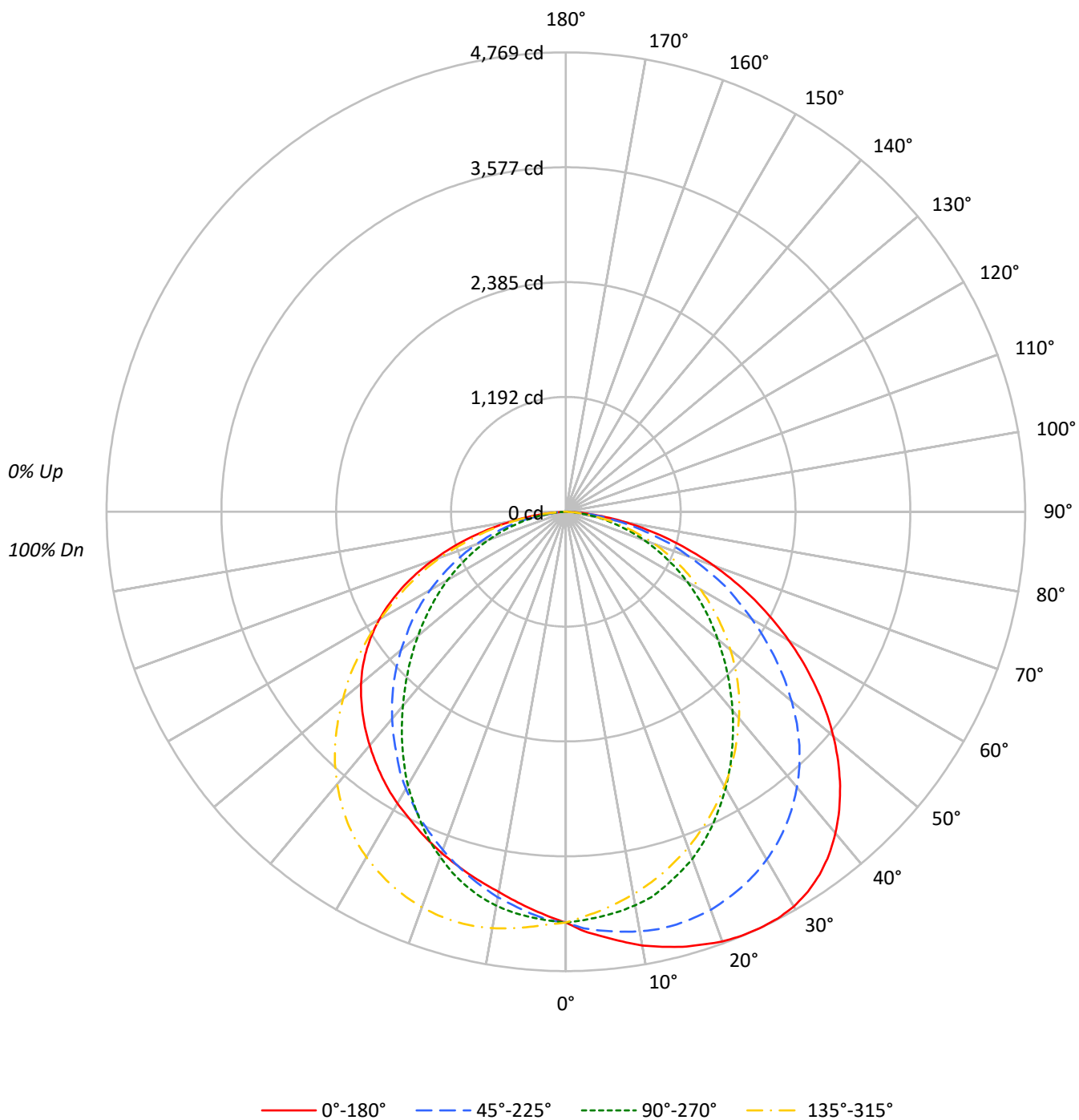
Lumens per Lamp: N/A
Luminaire Lumens: 12511.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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



Cooper Lighting Solutions Photometric Lab

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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°	5738	5738	5738	5738
5°	5980	5696	5589	5706
10°	6246	5667	5476	5675
15°	6514	5595	5422	5596
20°	6798	5493	5398	5462
25°	7080	5340	5397	5285
30°	7353	5154	5434	5097
35°	7548	4942	5488	4864
40°	7649	4729	5565	4623
45°	7664	4514	5673	4401
50°	7591	4308	5811	4194
55°	7434	4116	5941	4002
60°	7201	3916	6020	3814
65°	6878	3686	5989	3601
70°	6425	3416	5776	3354
75°	5781	3046	5300	3030
80°	4902	2552	4455	2590
85°	3409	1689	2825	1735

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.9	3.2
10°-20°	1172.4	9.4
20°-30°	1796.8	14.4
30°-40°	2184.8	17.5
40°-50°	2271.2	18.2
50°-60°	2051.6	16.4
60°-70°	1559.7	12.5
70°-80°	869.5	7.0
80°-90°	200.2	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°	3374.1	27.0
0°-40°	5558.8	44.4
0°-60°	9881.6	79.0
0°-90°	12511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12511.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4264	4264	4264	4264	4264	
5°	4428	4218	4138	4225	4428	427
15°	4676	4017	3892	4018	4676	1326
25°	4769	3597	3636	3560	4769	2203
35°	4596	3009	3341	2961	4596	2870
45°	4028	2372	2981	2313	4028	3101
55°	3169	1755	2533	1706	3169	2829
65°	2160	1158	1881	1131	2160	2135
75°	1112	586	1020	583	1112	1181
85°	221	109	183	112	221	278
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°	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4
2.5°	4358.9	4295.2	4296.2	4351.9	4309.1	4330.0	4270.3	4293.2	4286.2	4291.2	4242.5
5°	4427.5	4358.9	4357.9	4405.6	4357.9	4366.8	4291.2	4306.1	4284.3	4270.3	4217.6
7.5°	4500.1	4431.5	4424.5	4466.3	4403.6	4396.7	4313.1	4313.1	4273.3	4238.5	4188.8
10°	4571.7	4501.1	4492.1	4524.0	4446.4	4423.5	4322.1	4306.1	4253.4	4201.7	4148.0
12.5°	4625.4	4553.8	4546.9	4566.8	4479.2	4437.4	4322.1	4291.2	4213.6	4141.0	4099.2
15°	4676.2	4602.6	4583.7	4593.6	4493.1	4437.4	4308.1	4260.4	4160.9	4065.4	4016.7
17.5°	4712.0	4641.4	4622.5	4621.5	4500.1	4420.5	4278.3	4212.6	4093.3	3977.9	3929.1
20°	4747.8	4677.2	4653.3	4635.4	4498.1	4397.6	4234.5	4146.0	4006.7	3877.4	3836.6
22.5°	4765.7	4693.1	4667.2	4640.4	4485.2	4355.9	4180.8	4068.4	3909.2	3755.1	3721.2
25°	4768.7	4694.1	4666.2	4627.4	4459.3	4306.1	4111.2	3974.9	3796.8	3625.7	3596.9
27.5°	4760.7	4679.2	4651.3	4604.5	4420.5	4245.5	4028.6	3868.5	3677.5	3488.5	3457.6
30°	4732.9	4650.3	4623.4	4562.8	4365.8	4170.9	3938.1	3750.1	3545.2	3344.2	3317.4
32.5°	4677.2	4596.6	4574.7	4514.0	4306.1	4084.3	3832.6	3622.8	3399.0	3207.0	3167.2
35°	4595.6	4515.0	4501.1	4437.4	4222.6	3980.9	3717.3	3483.5	3243.8	3047.8	3009.0
37.5°	4489.2	4421.5	4400.6	4338.0	4124.1	3863.5	3585.0	3332.3	3085.6	2874.7	2850.9
40°	4354.9	4291.2	4275.3	4219.6	4009.7	3733.2	3441.7	3176.1	2922.5	2726.5	2692.7
42.5°	4201.7	4142.0	4133.1	4075.4	3868.5	3588.9	3286.5	3014.0	2752.4	2563.4	2529.6
45°	4027.6	3969.9	3967.9	3913.2	3714.3	3428.8	3123.4	2849.9	2586.3	2390.3	2372.4
47.5°	3835.6	3783.9	3783.9	3733.2	3542.2	3252.7	2955.3	2678.8	2419.2	2246.1	2214.2
50°	3626.7	3578.0	3563.1	3538.2	3352.2	3060.7	2778.2	2511.7	2254.0	2088.9	2058.1
52.5°	3403.9	3362.1	3372.1	3326.3	3146.3	2860.8	2599.2	2323.7	2087.9	1937.7	1906.9
55°	3169.2	3109.5	3118.4	3101.5	2931.4	2654.9	2398.3	2168.5	1924.8	1783.5	1754.7
57.5°	2925.5	2847.9	2879.7	2869.8	2702.6	2444.0	2214.2	1992.4	1762.6	1632.3	1604.5
60°	2675.8	2601.2	2634.0	2625.1	2467.9	2233.1	2024.3	1818.3	1601.5	1483.1	1455.3
62.5°	2419.2	2350.5	2380.4	2373.4	2229.2	2017.3	1835.3	1646.3	1439.4	1332.9	1307.1
65°	2160.5	2094.9	2121.7	2116.8	1983.5	1822.3	1641.3	1468.2	1276.2	1183.7	1157.9
67.5°	1895.9	1835.3	1860.1	1860.1	1737.8	1583.6	1446.3	1288.2	1116.1	1036.5	1012.6
70°	1633.3	1576.6	1598.5	1596.5	1493.1	1367.7	1249.4	1108.1	953.9	888.3	868.4
72.5°	1368.7	1319.0	1338.9	1336.9	1250.4	1169.8	1052.4	930.1	795.8	743.1	725.1
75°	1112.1	1065.3	1084.2	1082.3	1011.6	936.0	857.4	756.0	640.6	603.8	585.9
77.5°	867.4	819.6	835.6	835.6	783.8	729.1	666.5	587.9	506.3	466.5	453.6
80°	632.6	609.8	601.8	602.8	568.0	532.2	500.3	424.7	365.1	338.2	329.3
82.5°	415.8	396.9	388.9	390.9	371.0	349.1	329.3	276.5	236.7	220.8	215.9
85°	220.8	206.9	199.9	204.9	200.9	189.0	179.0	143.2	118.4	112.4	109.4
87.5°	69.6	60.7	55.7	73.6	62.7	55.7	53.7	42.8	32.8	32.8	31.8
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°	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4
2.5°	4258.4	4258.4	4219.6	4210.6	4206.7	4211.6	4172.8	4165.9	4221.6	4202.7	4159.9
5°	4224.6	4222.6	4167.9	4157.9	4157.9	4152.0	4108.2	4098.2	4153.9	4138.0	4091.3
7.5°	4182.8	4176.8	4112.2	4105.2	4095.3	4091.3	4042.5	4035.6	4083.3	4073.4	4029.6
10°	4132.1	4126.1	4049.5	4044.5	4033.6	4025.6	3979.9	3974.9	4023.6	4007.7	3972.9
12.5°	4065.4	4054.5	3975.9	3970.9	3962.0	3959.0	3914.2	3912.2	3965.9	3950.0	3913.2
15°	3977.9	3968.9	3881.4	3883.4	3884.4	3884.4	3848.6	3846.6	3899.3	3892.3	3852.5
17.5°	3881.4	3869.5	3785.9	3791.9	3798.8	3806.8	3778.9	3783.9	3839.6	3830.7	3794.8
20°	3772.0	3760.0	3678.5	3695.4	3710.3	3726.2	3708.3	3722.2	3774.0	3770.0	3743.1
22.5°	3649.6	3637.7	3562.1	3587.9	3612.8	3642.7	3634.7	3650.6	3705.3	3704.3	3680.5
25°	3500.4	3503.4	3436.8	3468.6	3510.4	3552.1	3555.1	3581.0	3641.7	3635.7	3613.8
27.5°	3361.2	3365.1	3294.5	3348.2	3403.9	3457.6	3470.6	3506.4	3568.1	3563.1	3544.2
30°	3214.9	3219.9	3151.3	3224.9	3292.5	3358.2	3386.0	3434.8	3497.4	3497.4	3477.5
32.5°	3062.7	3071.7	3000.1	3098.5	3177.1	3253.7	3302.5	3353.2	3424.8	3422.8	3405.9
35°	2906.6	2916.5	2850.9	2976.2	3054.8	3148.3	3209.0	3276.6	3340.3	3341.3	3328.3
37.5°	2747.4	2759.3	2699.7	2836.9	2926.5	3036.9	3114.5	3182.1	3252.7	3256.7	3244.8
40°	2589.3	2602.2	2550.5	2682.8	2796.2	2919.5	3009.0	3088.6	3166.2	3168.2	3160.2
42.5°	2431.1	2445.0	2406.2	2535.5	2663.9	2796.2	2901.6	2992.1	3071.7	3076.7	3067.7
45°	2276.9	2288.8	2261.0	2402.2	2525.6	2669.8	2791.2	2893.6	2974.2	2981.2	2978.2
47.5°	2123.7	2134.7	2109.8	2239.1	2381.4	2534.5	2674.8	2788.2	2873.7	2881.7	2879.7
50°	1973.5	1982.5	1955.6	2090.9	2232.1	2395.3	2541.5	2672.8	2768.3	2776.3	2775.3
52.5°	1824.3	1833.3	1810.4	1952.6	2081.0	2253.0	2412.2	2554.4	2648.9	2660.9	2662.9
55°	1680.1	1684.1	1666.2	1802.4	1926.8	2106.8	2289.8	2428.1	2522.6	2532.6	2538.5
57.5°	1535.8	1536.8	1521.9	1652.2	1771.6	1955.6	2147.6	2292.8	2382.3	2392.3	2401.2
60°	1392.6	1391.6	1374.7	1501.0	1615.4	1797.5	1997.4	2141.6	2228.2	2237.1	2249.1
62.5°	1250.4	1247.4	1232.5	1348.8	1456.3	1636.3	1837.2	1976.5	2059.1	2065.0	2081.0
65°	1109.1	1106.1	1092.2	1199.6	1297.1	1469.2	1666.2	1798.5	1873.1	1881.0	1878.0
67.5°	969.9	963.9	952.9	1049.4	1138.0	1297.1	1486.1	1612.4	1674.1	1681.1	1700.0
70°	830.6	823.6	798.8	901.2	978.8	1121.0	1297.1	1409.5	1461.2	1468.2	1465.2
72.5°	693.3	686.4	659.5	754.0	819.6	944.0	1101.2	1194.7	1239.4	1245.4	1245.4
75°	560.0	556.0	539.1	610.8	665.5	766.9	900.2	977.8	1012.6	1019.6	1017.6
77.5°	431.7	428.7	411.8	473.5	516.3	591.9	699.3	760.0	785.8	793.8	810.7
80°	309.4	308.4	281.5	342.2	361.1	424.7	503.3	550.1	564.0	574.9	586.9
82.5°	197.9	198.9	172.1	223.8	231.8	272.6	321.3	350.1	360.1	369.0	378.0
85°	96.5	100.5	85.5	118.4	119.4	140.3	161.1	172.1	176.1	183.0	191.0
87.5°	24.9	28.8	15.9	33.8	29.8	38.8	44.8	47.7	46.8	51.7	54.7
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°	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4
2.5°	4173.8	4205.7	4189.8	4241.5	4261.4	4229.5	4285.2	4286.2	4246.5	4293.2	4319.1
5°	4109.2	4142.0	4132.1	4185.8	4210.6	4182.8	4250.4	4263.4	4224.6	4277.3	4319.1
7.5°	4043.5	4082.3	4069.4	4124.1	4153.9	4132.1	4204.7	4225.6	4195.7	4253.4	4309.1
10°	3986.8	4019.7	4005.7	4063.4	4089.3	4071.4	4143.0	4181.8	4153.9	4224.6	4291.2
12.5°	3931.1	3958.0	3942.1	3989.8	4014.7	3991.8	4079.3	4115.1	4095.3	4168.9	4254.4
15°	3859.5	3889.3	3867.5	3910.2	3929.1	3909.2	3980.9	4042.5	4017.7	4098.2	4192.7
17.5°	3804.8	3821.7	3791.9	3825.7	3836.6	3809.8	3882.4	3943.1	3925.2	4012.7	4122.1
20°	3744.1	3758.0	3716.3	3735.2	3734.2	3700.4	3767.0	3826.7	3814.7	3911.2	4035.6
22.5°	3676.5	3683.4	3634.7	3638.7	3636.7	3581.0	3640.7	3701.3	3696.4	3793.9	3933.1
25°	3604.9	3605.9	3543.2	3541.2	3519.3	3453.7	3506.4	3575.0	3560.1	3665.5	3811.8
27.5°	3534.2	3524.3	3448.7	3430.8	3396.0	3317.4	3364.1	3425.8	3416.9	3520.3	3682.4
30°	3458.6	3445.7	3353.2	3320.4	3269.6	3179.1	3217.9	3275.6	3280.6	3371.1	3541.2
32.5°	3387.0	3354.2	3251.7	3204.0	3140.3	3034.9	3055.8	3114.5	3122.4	3213.9	3389.0
35°	3294.5	3272.6	3146.3	3064.7	3002.1	2886.7	2908.6	2949.3	2961.3	3050.8	3228.9
37.5°	3207.0	3172.2	3037.9	2938.4	2857.8	2736.5	2742.4	2784.2	2796.2	2886.7	3062.7
40°	3116.5	3066.7	2922.5	2806.1	2713.6	2586.3	2579.3	2623.1	2632.0	2720.6	2879.7
42.5°	3020.0	2960.3	2798.1	2670.8	2564.4	2435.1	2421.1	2458.9	2468.9	2555.4	2711.6
45°	2922.5	2850.9	2670.8	2531.6	2415.2	2282.9	2269.0	2297.8	2312.7	2394.3	2544.5
47.5°	2819.0	2735.5	2539.5	2384.3	2264.0	2131.7	2114.8	2143.6	2155.6	2236.1	2378.4
50°	2710.6	2609.1	2404.2	2233.1	2113.8	1983.5	1958.6	1992.4	2003.4	2079.0	2218.2
52.5°	2591.2	2478.8	2260.0	2081.0	1961.6	1837.2	1807.4	1840.2	1853.2	1926.8	2055.1
55°	2464.9	2343.6	2114.8	1940.7	1811.4	1690.0	1665.2	1678.1	1705.9	1775.6	1894.9
57.5°	2322.7	2202.3	1961.6	1784.5	1660.2	1543.8	1522.9	1534.8	1560.7	1628.4	1735.8
60°	2171.5	2044.1	1805.4	1628.4	1508.0	1397.6	1378.7	1389.6	1417.5	1479.1	1578.6
62.5°	2022.3	1879.0	1644.3	1468.2	1358.8	1256.3	1251.4	1247.4	1273.2	1332.9	1420.5
65°	1841.2	1704.0	1476.2	1309.0	1209.6	1117.1	1097.2	1106.1	1131.0	1185.7	1277.2
67.5°	1647.3	1522.9	1304.1	1149.9	1061.4	978.8	961.9	965.9	991.7	1039.5	1119.1
70°	1441.3	1331.9	1128.0	989.7	915.1	837.6	826.6	827.6	852.5	894.3	963.9
72.5°	1225.5	1127.0	950.0	831.6	769.9	714.2	704.3	692.3	715.2	751.0	810.7
75°	1005.7	919.1	772.9	676.4	627.7	580.9	572.0	560.0	582.9	613.7	660.5
77.5°	783.8	714.2	600.8	526.2	488.4	453.6	445.6	432.7	455.6	478.5	515.3
80°	567.0	516.3	448.6	370.0	357.1	334.2	326.3	312.3	334.2	349.1	377.0
82.5°	366.1	332.2	293.4	238.7	236.7	219.8	215.9	199.9	219.8	228.8	249.7
85°	185.0	169.1	159.2	121.4	125.3	114.4	113.4	96.5	112.4	116.4	128.3
87.5°	52.7	55.7	49.7	29.8	37.8	35.8	35.8	25.9	35.8	35.8	40.8
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: P838243

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-3HI-50-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4	4264.4
2.5°	4268.3	4285.2	4289.2	4288.2	4299.2	4358.9	4339.0	4358.9
5°	4278.3	4316.1	4326.0	4340.0	4357.9	4425.5	4403.6	4427.5
7.5°	4284.3	4340.9	4362.8	4389.7	4418.5	4494.1	4476.2	4500.1
10°	4284.3	4357.9	4389.7	4434.5	4473.2	4560.8	4543.9	4571.7
12.5°	4266.3	4360.8	4405.6	4468.3	4518.0	4612.5	4605.5	4625.4
15°	4229.5	4345.9	4407.6	4488.2	4549.8	4655.3	4652.3	4676.2
17.5°	4179.8	4320.1	4394.7	4496.1	4573.7	4692.1	4699.0	4712.0
20°	4117.1	4271.3	4368.8	4493.1	4590.6	4720.9	4729.9	4747.8
22.5°	4034.6	4212.6	4330.0	4480.2	4592.6	4732.9	4748.8	4765.7
25°	3937.1	4142.0	4279.3	4455.3	4582.7	4731.9	4753.8	4768.7
27.5°	3825.7	4050.5	4214.6	4415.6	4554.8	4716.0	4742.8	4760.7
30°	3696.4	3953.0	4141.0	4363.8	4517.0	4686.1	4715.0	4732.9
32.5°	3563.1	3845.6	4053.5	4297.2	4462.3	4638.4	4663.2	4677.2
35°	3417.9	3715.3	3948.0	4211.6	4391.7	4561.8	4580.7	4595.6
37.5°	3259.7	3574.0	3827.7	4115.1	4292.2	4455.3	4472.3	4489.2
40°	3096.6	3425.8	3692.4	3996.8	4173.8	4325.0	4342.9	4354.9
42.5°	2932.4	3261.7	3548.2	3857.5	4033.6	4178.8	4189.8	4201.7
45°	2766.3	3091.6	3386.0	3703.3	3877.4	4013.7	4017.7	4027.6
47.5°	2597.2	2915.5	3208.0	3527.3	3699.4	3823.7	3827.7	3835.6
50°	2427.1	2739.5	3018.0	3337.3	3505.4	3636.7	3618.8	3626.7
52.5°	2260.0	2554.4	2838.9	3132.4	3298.5	3414.9	3419.8	3403.9
55°	2095.9	2373.4	2635.0	2917.5	3075.7	3166.2	3163.2	3169.2
57.5°	1929.8	2190.4	2430.1	2688.7	2842.9	2928.5	2946.4	2925.5
60°	1760.7	2005.4	2220.2	2454.0	2603.2	2674.8	2695.7	2675.8
62.5°	1592.5	1817.3	2012.3	2216.2	2354.5	2443.0	2441.0	2419.2
65°	1424.4	1628.4	1802.4	1975.5	2095.9	2184.4	2180.4	2160.5
67.5°	1269.3	1437.4	1593.5	1733.8	1838.2	1898.9	1919.8	1895.9
70°	1098.2	1243.4	1380.7	1493.1	1579.6	1634.3	1654.2	1633.3
72.5°	927.1	1050.4	1146.9	1255.3	1322.0	1367.7	1388.6	1368.7
75°	758.0	859.4	938.0	1022.6	1069.3	1108.1	1132.0	1112.1
77.5°	593.8	672.4	735.1	796.8	850.5	859.4	880.3	867.4
80°	437.7	494.4	540.1	580.9	619.7	623.7	640.6	632.6
82.5°	291.5	329.3	341.2	384.0	408.8	404.9	421.8	415.8
85°	154.2	177.1	197.9	210.9	224.8	211.9	226.8	220.8
87.5°	51.7	54.7	47.7	67.6	74.6	63.7	72.6	69.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)