

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: P838104

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-5STD-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: P838104
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-LD4-5STD-35-120-EDD
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

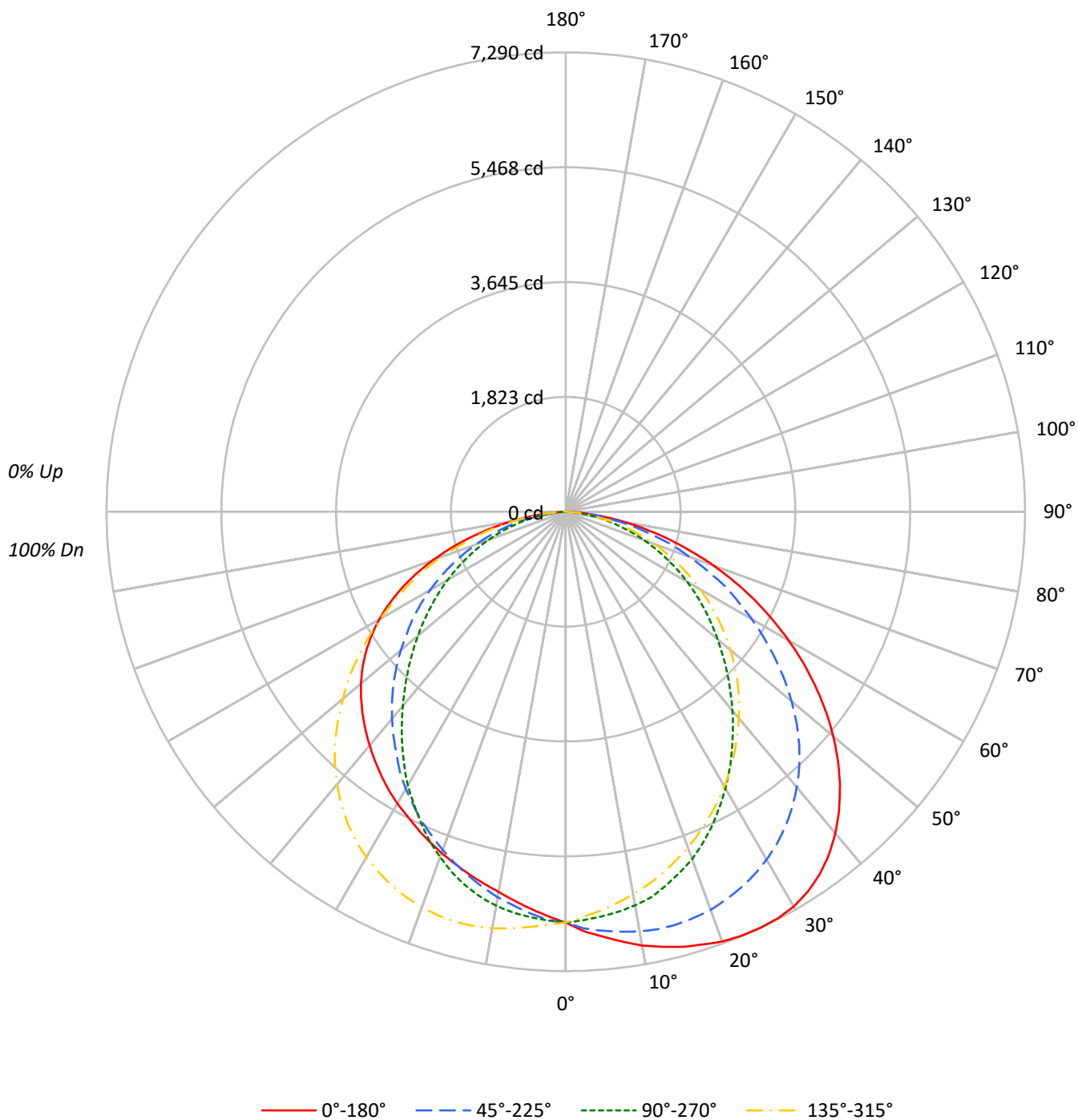
Lumens per Lamp: N/A
Luminaire Lumens: 19124.6 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 166.5
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°	8771	8771	8771	8771
5°	9141	8708	8543	8722
10°	9548	8663	8370	8675
15°	9957	8553	8288	8555
20°	10392	8397	8252	8349
25°	10822	8163	8251	8079
30°	11240	7878	8306	7791
35°	11539	7555	8389	7435
40°	11692	7230	8506	7067
45°	11715	6901	8671	6727
50°	11605	6585	8883	6410
55°	11364	6292	9081	6117
60°	11007	5986	9202	5831
65°	10514	5635	9154	5504
70°	9822	5222	8829	5126
75°	8838	4656	8102	4632
80°	7493	3900	6810	3959
85°	5212	2583	4319	2652

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.9	3.2
10°-20°	1792.2	9.4
20°-30°	2746.6	14.4
30°-40°	3339.7	17.5
40°-50°	3471.8	18.2
50°-60°	3136.1	16.4
60°-70°	2384.2	12.5
70°-80°	1329.2	7.0
80°-90°	306.0	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°	5157.6	27.0
0°-40°	8497.3	44.4
0°-60°	15105.2	79.0
0°-90°	19124.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19124.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6519	6519	6519	6519	6519	
5°	6768	6447	6326	6458	6768	653
15°	7148	6140	5950	6142	7148	2027
25°	7290	5498	5558	5442	7290	3367
35°	7025	4600	5108	4527	7025	4388
45°	6157	3626	4557	3535	6157	4740
55°	4844	2682	3871	2608	4844	4325
65°	3303	1770	2875	1729	3303	3264
75°	1700	896	1559	891	1700	1806
85°	338	167	280	172	338	425
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°	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6
2.5°	6663.0	6565.7	6567.2	6652.4	6587.0	6618.9	6527.7	6562.7	6552.0	6559.6	6485.1
5°	6767.9	6663.0	6661.5	6734.5	6661.5	6675.2	6559.6	6582.4	6549.0	6527.7	6447.1
7.5°	6878.9	6774.0	6763.4	6827.2	6731.4	6720.8	6593.1	6593.1	6532.3	6479.0	6403.0
10°	6988.4	6880.5	6866.8	6915.4	6796.8	6761.9	6606.8	6582.4	6501.8	6422.8	6340.7
12.5°	7070.5	6961.1	6950.4	6980.8	6847.0	6783.1	6606.8	6559.6	6441.0	6330.0	6266.2
15°	7148.1	7035.6	7006.7	7021.9	6868.3	6783.1	6585.5	6512.5	6360.4	6214.5	6140.0
17.5°	7202.8	7094.9	7066.0	7064.4	6878.9	6757.3	6539.9	6439.5	6257.0	6080.7	6006.1
20°	7257.6	7149.6	7113.1	7085.7	6875.9	6722.3	6473.0	6337.6	6124.8	5927.1	5864.7
22.5°	7284.9	7173.9	7134.4	7093.3	6856.1	6658.5	6390.8	6219.0	5975.7	5740.1	5688.4
25°	7289.5	7175.4	7132.9	7073.6	6816.6	6582.4	6284.4	6076.1	5803.9	5542.4	5498.3
27.5°	7277.3	7152.6	7110.1	7038.6	6757.3	6489.7	6158.2	5913.4	5621.5	5332.5	5285.4
30°	7234.7	7108.5	7067.5	6974.7	6673.7	6375.6	6019.8	5732.5	5419.2	5112.1	5071.0
32.5°	7149.6	7026.4	6993.0	6900.2	6582.4	6243.4	5858.7	5537.8	5195.7	4902.2	4841.4
35°	7024.9	6901.7	6880.5	6783.1	6454.7	6085.2	5682.3	5324.9	4958.5	4658.9	4599.6
37.5°	6862.2	6758.8	6726.9	6631.1	6304.2	5905.8	5480.0	5093.8	4716.7	4394.4	4357.9
40°	6656.9	6559.6	6535.3	6450.1	6129.3	5706.6	5261.1	4855.1	4467.4	4167.8	4116.1
42.5°	6422.8	6331.5	6317.9	6229.7	5913.4	5486.1	5023.9	4607.2	4207.3	3918.4	3866.7
45°	6156.7	6068.5	6065.5	5981.8	5677.7	5241.3	4774.5	4356.4	3953.4	3653.9	3626.5
47.5°	5863.2	5784.1	5784.1	5706.6	5414.7	4972.2	4517.5	4094.8	3698.0	3433.4	3384.7
50°	5543.9	5469.4	5446.6	5408.6	5124.2	4678.7	4246.9	3839.4	3445.6	3193.1	3146.0
52.5°	5203.3	5139.4	5154.6	5084.7	4809.5	4373.1	3973.2	3552.0	3191.6	2962.0	2914.9
55°	4844.5	4753.2	4766.9	4741.1	4481.0	4058.3	3666.0	3314.8	2942.3	2726.3	2682.2
57.5°	4471.9	4353.3	4402.0	4386.8	4131.3	3736.0	3384.7	3045.6	2694.4	2495.2	2452.6
60°	4090.3	3976.2	4026.4	4012.7	3772.5	3413.6	3094.3	2779.6	2448.1	2267.1	2224.6
62.5°	3698.0	3593.0	3638.7	3628.0	3407.5	3083.7	2805.4	2516.5	2200.2	2037.5	1998.0
65°	3302.6	3202.3	3243.3	3235.7	3032.0	2785.6	2508.9	2244.3	1950.9	1809.4	1769.9
67.5°	2898.2	2805.4	2843.4	2843.4	2656.4	2420.7	2210.9	1969.1	1706.1	1584.4	1547.9
70°	2496.7	2410.1	2443.5	2440.5	2282.3	2090.7	1909.8	1693.9	1458.2	1357.8	1327.4
72.5°	2092.3	2016.2	2046.7	2043.6	1911.3	1788.2	1608.7	1421.7	1216.4	1135.8	1108.5
75°	1700.0	1628.5	1657.4	1654.4	1546.4	1430.8	1310.7	1155.6	979.2	923.0	895.6
77.5°	1325.9	1252.9	1277.3	1277.3	1198.2	1114.6	1018.8	898.6	774.0	713.1	693.4
80°	967.1	932.1	919.9	921.4	868.2	813.5	764.8	649.3	558.0	517.0	503.3
82.5°	635.6	606.7	594.5	597.6	567.2	533.7	503.3	422.7	361.9	337.6	330.0
85°	337.6	316.3	305.6	313.2	307.1	288.9	273.7	219.0	180.9	171.8	167.3
87.5°	106.4	92.8	85.2	112.5	95.8	85.2	82.1	65.4	50.2	50.2	48.7
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°	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6
2.5°	6509.4	6509.4	6450.1	6436.5	6430.4	6438.0	6378.7	6368.0	6453.2	6424.3	6358.9
5°	6457.8	6454.7	6371.1	6355.9	6355.9	6346.8	6279.8	6264.6	6349.8	6325.5	6254.0
7.5°	6393.9	6384.8	6285.9	6275.3	6260.1	6254.0	6179.5	6168.8	6241.8	6226.6	6159.7
10°	6316.3	6307.2	6190.1	6182.5	6165.8	6153.6	6083.7	6076.1	6150.6	6126.3	6073.1
12.5°	6214.5	6197.7	6077.6	6070.0	6056.3	6051.8	5983.3	5980.3	6062.4	6038.1	5981.8
15°	6080.7	6067.0	5933.2	5936.2	5937.7	5937.7	5883.0	5879.9	5960.5	5949.9	5889.1
17.5°	5933.2	5914.9	5787.2	5796.3	5807.0	5819.1	5776.5	5784.1	5869.3	5855.6	5800.9
20°	5765.9	5747.7	5623.0	5648.8	5671.6	5696.0	5668.6	5689.9	5768.9	5762.9	5721.8
22.5°	5578.9	5560.6	5445.1	5484.6	5522.6	5568.2	5556.1	5580.4	5664.0	5662.5	5626.0
25°	5350.8	5355.4	5253.5	5302.1	5366.0	5429.9	5434.4	5474.0	5566.7	5557.6	5524.1
27.5°	5137.9	5144.0	5036.0	5118.2	5203.3	5285.4	5305.2	5359.9	5454.2	5446.6	5417.7
30°	4914.4	4922.0	4817.1	4929.6	5033.0	5133.4	5175.9	5250.4	5346.2	5346.2	5315.8
32.5°	4681.8	4695.4	4586.0	4736.5	4856.6	4973.7	5048.2	5125.8	5235.2	5232.2	5206.3
35°	4443.0	4458.2	4357.9	4549.5	4669.6	4812.5	4905.3	5008.7	5106.0	5107.5	5087.7
37.5°	4199.7	4218.0	4126.8	4336.6	4473.4	4642.2	4760.8	4864.2	4972.2	4978.3	4960.0
40°	3958.0	3977.7	3898.7	4100.9	4274.2	4462.8	4599.6	4721.3	4839.9	4842.9	4830.8
42.5°	3716.2	3737.5	3678.2	3875.9	4072.0	4274.2	4435.4	4573.8	4695.4	4703.0	4689.4
45°	3480.5	3498.8	3456.2	3672.1	3860.7	4081.1	4266.6	4423.3	4546.4	4557.1	4552.5
47.5°	3246.4	3263.1	3225.1	3422.7	3640.2	3874.3	4088.7	4262.1	4392.9	4405.0	4402.0
50°	3016.8	3030.4	2989.4	3196.2	3412.1	3661.5	3885.0	4085.7	4231.7	4243.8	4242.3
52.5°	2788.7	2802.4	2767.4	2984.8	3181.0	3444.0	3687.3	3904.8	4049.2	4067.5	4070.5
55°	2568.2	2574.3	2546.9	2755.2	2945.3	3220.5	3500.3	3711.6	3856.1	3871.3	3880.4
57.5°	2347.7	2349.2	2326.4	2525.6	2708.1	2989.4	3282.9	3504.9	3641.7	3656.9	3670.6
60°	2128.8	2127.2	2101.4	2294.5	2469.4	2747.6	3053.3	3273.7	3406.0	3419.7	3438.0
62.5°	1911.3	1906.8	1884.0	2061.9	2226.1	2501.3	2808.4	3021.3	3147.5	3156.6	3181.0
65°	1695.4	1690.8	1669.6	1833.8	1982.8	2245.8	2546.9	2749.1	2863.2	2875.3	2870.8
67.5°	1482.5	1473.4	1456.7	1604.2	1739.5	1982.8	2271.7	2464.8	2559.1	2569.7	2598.6
70°	1269.7	1259.0	1221.0	1377.6	1496.2	1713.7	1982.8	2154.6	2233.7	2244.3	2239.8
72.5°	1059.8	1049.2	1008.1	1152.6	1252.9	1443.0	1683.2	1826.2	1894.6	1903.7	1903.7
75°	856.1	850.0	824.1	933.6	1017.2	1172.3	1376.1	1494.7	1547.9	1558.6	1555.5
77.5°	659.9	655.4	629.5	723.8	789.2	904.7	1068.9	1161.7	1201.2	1213.4	1239.2
80°	472.9	471.4	430.3	523.1	552.0	649.3	769.4	840.9	862.1	878.9	897.1
82.5°	302.6	304.1	263.1	342.1	354.3	416.6	491.1	535.2	550.4	564.1	577.8
85°	147.5	153.6	130.8	180.9	182.5	214.4	246.3	263.1	269.1	279.8	291.9
87.5°	38.0	44.1	24.3	51.7	45.6	59.3	68.4	73.0	71.5	79.1	83.6
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°	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6
2.5°	6380.2	6428.9	6404.5	6483.6	6514.0	6465.4	6550.5	6552.0	6491.2	6562.7	6602.2
5°	6281.4	6331.5	6316.3	6398.4	6436.5	6393.9	6497.3	6517.1	6457.8	6538.3	6602.2
7.5°	6181.0	6240.3	6220.5	6304.2	6349.8	6316.3	6427.3	6459.3	6413.7	6501.8	6587.0
10°	6094.3	6144.5	6123.2	6211.4	6251.0	6223.6	6333.1	6392.4	6349.8	6457.8	6559.6
12.5°	6009.2	6050.2	6025.9	6098.9	6136.9	6101.9	6235.8	6290.5	6260.1	6372.6	6503.4
15°	5899.7	5945.3	5911.9	5977.3	6006.1	5975.7	6085.2	6179.5	6141.5	6264.6	6409.1
17.5°	5816.1	5841.9	5796.3	5848.0	5864.7	5823.7	5934.7	6027.4	6000.1	6133.9	6301.1
20°	5723.3	5744.6	5680.8	5709.6	5708.1	5656.4	5758.3	5849.5	5831.3	5978.8	6168.8
22.5°	5619.9	5630.6	5556.1	5562.2	5559.1	5474.0	5565.2	5657.9	5650.3	5799.4	6012.2
25°	5510.5	5512.0	5416.2	5413.1	5379.7	5279.3	5359.9	5464.8	5442.0	5603.2	5826.7
27.5°	5402.5	5387.3	5271.7	5244.4	5191.1	5071.0	5142.5	5236.8	5223.1	5381.2	5629.1
30°	5286.9	5267.2	5125.8	5075.6	4998.0	4859.7	4919.0	5007.2	5014.8	5153.1	5413.1
32.5°	5177.5	5127.3	4970.7	4897.7	4800.4	4639.2	4671.1	4760.8	4773.0	4912.9	5180.5
35°	5036.0	5002.6	4809.5	4684.8	4589.0	4412.6	4446.1	4508.4	4526.7	4663.5	4935.7
37.5°	4902.2	4849.0	4643.7	4491.7	4368.5	4183.0	4192.1	4256.0	4274.2	4412.6	4681.8
40°	4763.9	4687.8	4467.4	4289.5	4148.0	3953.4	3942.8	4009.7	4023.4	4158.7	4402.0
42.5°	4616.4	4525.1	4277.3	4082.7	3920.0	3722.3	3701.0	3758.8	3774.0	3906.3	4145.0
45°	4467.4	4357.9	4082.7	3869.8	3691.9	3489.6	3468.4	3512.5	3535.3	3659.9	3889.6
47.5°	4309.2	4181.5	3881.9	3644.7	3460.8	3258.5	3232.7	3276.8	3295.0	3418.2	3635.6
50°	4143.5	3988.4	3675.2	3413.6	3231.2	3032.0	2994.0	3045.6	3062.4	3177.9	3390.8
52.5°	3961.0	3789.2	3454.7	3181.0	2998.5	2808.4	2762.8	2813.0	2832.8	2945.3	3141.4
55°	3767.9	3582.4	3232.7	2966.6	2768.9	2583.4	2545.4	2565.2	2607.7	2714.2	2896.6
57.5°	3550.5	3366.5	2998.5	2727.9	2537.8	2359.9	2328.0	2346.2	2385.7	2489.1	2653.3
60°	3319.3	3124.7	2759.8	2489.1	2305.1	2136.4	2107.5	2124.2	2166.8	2261.0	2413.1
62.5°	3091.3	2872.3	2513.5	2244.3	2077.1	1920.4	1912.8	1906.8	1946.3	2037.5	2171.3
65°	2814.5	2604.7	2256.5	2001.0	1849.0	1707.6	1677.2	1690.8	1728.9	1812.5	1952.4
67.5°	2518.0	2328.0	1993.4	1757.7	1622.4	1496.2	1470.4	1476.4	1516.0	1589.0	1710.6
70°	2203.3	2036.0	1724.3	1512.9	1398.9	1280.3	1263.6	1265.1	1303.1	1367.0	1473.4
72.5°	1873.3	1722.8	1452.1	1271.2	1176.9	1091.8	1076.5	1058.3	1093.3	1148.0	1239.2
75°	1537.3	1405.0	1181.5	1034.0	959.5	888.0	874.3	856.1	891.0	938.2	1009.6
77.5°	1198.2	1091.8	918.4	804.4	746.6	693.4	681.2	661.4	696.4	731.4	787.6
80°	866.7	789.2	685.8	565.6	545.9	510.9	498.7	477.5	510.9	533.7	576.3
82.5°	559.6	507.9	448.6	364.9	361.9	336.0	330.0	305.6	336.0	349.7	381.7
85°	282.8	258.5	243.3	185.5	191.6	174.9	173.3	147.5	171.8	177.9	196.2
87.5°	80.6	85.2	76.0	45.6	57.8	54.7	54.7	39.5	54.7	54.7	62.3
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: P838104

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-5STD-35-120-EDD

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6	6518.6
2.5°	6524.7	6550.5	6556.6	6555.1	6571.8	6663.0	6632.6	6663.0
5°	6539.9	6597.6	6612.8	6634.1	6661.5	6764.9	6731.4	6767.9
7.5°	6549.0	6635.7	6669.1	6710.2	6754.3	6869.8	6842.4	6878.9
10°	6549.0	6661.5	6710.2	6778.6	6837.9	6971.7	6945.8	6988.4
12.5°	6521.6	6666.1	6734.5	6830.3	6906.3	7050.8	7040.1	7070.5
15°	6465.4	6643.3	6737.5	6860.7	6955.0	7116.1	7111.6	7148.1
17.5°	6389.3	6603.7	6717.8	6872.9	6991.5	7172.4	7183.1	7202.8
20°	6293.5	6529.2	6678.2	6868.3	7017.3	7216.5	7230.2	7257.6
22.5°	6167.3	6439.5	6618.9	6848.5	7020.4	7234.7	7259.1	7284.9
25°	6018.3	6331.5	6541.4	6810.5	7005.1	7233.2	7266.7	7289.5
27.5°	5848.0	6191.7	6442.5	6749.7	6962.6	7208.9	7250.0	7277.3
30°	5650.3	6042.6	6330.0	6670.6	6904.8	7163.3	7207.4	7234.7
32.5°	5446.6	5878.4	6196.2	6568.8	6821.2	7090.3	7128.3	7149.6
35°	5224.6	5679.2	6035.0	6438.0	6713.2	6973.2	7002.1	7024.9
37.5°	4982.8	5463.3	5851.1	6290.5	6561.1	6810.5	6836.4	6862.2
40°	4733.5	5236.8	5644.3	6109.5	6380.2	6611.3	6638.7	6656.9
42.5°	4482.6	4985.9	5423.8	5896.7	6165.8	6387.8	6404.5	6422.8
45°	4228.6	4725.9	5175.9	5661.0	5927.1	6135.4	6141.5	6156.7
47.5°	3970.1	4456.7	4903.8	5391.8	5654.9	5845.0	5851.1	5863.2
50°	3710.1	4187.6	4613.3	5101.4	5358.4	5559.1	5531.7	5543.9
52.5°	3454.7	3904.8	4339.6	4788.2	5042.1	5220.0	5227.6	5203.3
55°	3203.8	3628.0	4027.9	4459.8	4701.5	4839.9	4835.3	4844.5
57.5°	2949.9	3348.2	3714.7	4110.0	4345.7	4476.5	4503.9	4471.9
60°	2691.4	3065.4	3393.9	3751.2	3979.3	4088.7	4120.7	4090.3
62.5°	2434.4	2778.0	3076.1	3387.8	3599.1	3734.5	3731.4	3698.0
65°	2177.4	2489.1	2755.2	3019.8	3203.8	3339.1	3333.0	3302.6
67.5°	1940.2	2197.2	2435.9	2650.3	2810.0	2902.7	2934.7	2898.2
70°	1678.7	1900.7	2110.5	2282.3	2414.6	2498.3	2528.7	2496.7
72.5°	1417.1	1605.7	1753.2	1918.9	2020.8	2090.7	2122.7	2092.3
75°	1158.7	1313.8	1433.9	1563.1	1634.6	1693.9	1730.4	1700.0
77.5°	907.8	1027.9	1123.7	1218.0	1300.1	1313.8	1345.7	1325.9
80°	669.0	755.7	825.7	888.0	947.3	953.4	979.2	967.1
82.5°	445.5	503.3	521.5	586.9	624.9	618.9	644.7	635.6
85°	235.7	270.7	302.6	322.4	343.6	323.9	346.7	337.6
87.5°	79.1	83.6	73.0	103.4	114.0	97.3	111.0	106.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)