

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: P838252

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-6HI-50-120-EDD-90**

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: P838252
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-LD4-6HI-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

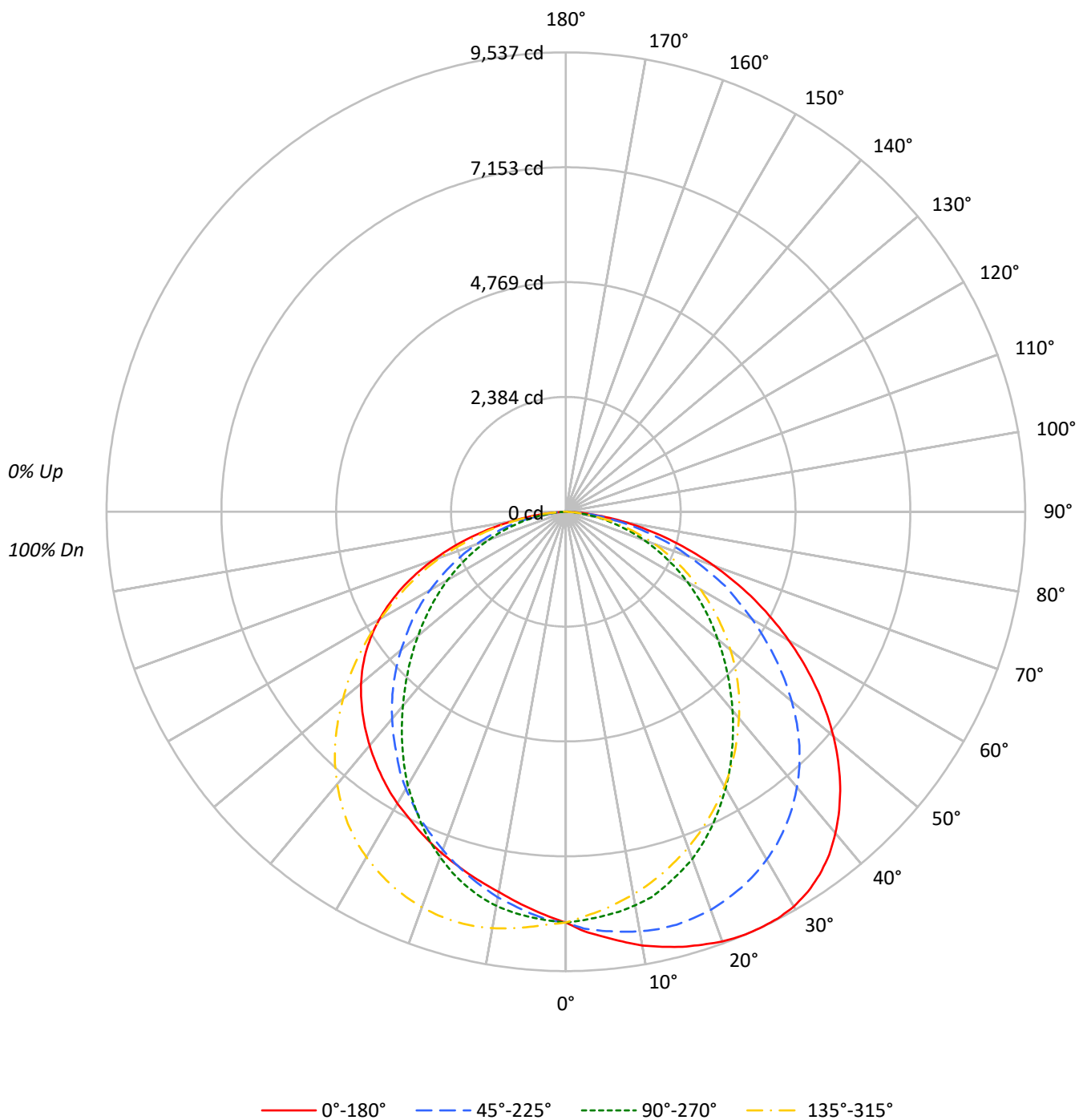
Lumens per Lamp: N/A
Luminaire Lumens: 25022.1 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 264
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
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°	11475	11475	11475	11475
5°	11960	11393	11178	11412
10°	12492	11334	10951	11351
15°	13027	11190	10844	11193
20°	13596	10987	10796	10924
25°	14159	10680	10795	10571
30°	14706	10308	10868	10194
35°	15097	9885	10976	9728
40°	15298	9459	11129	9246
45°	15328	9028	11345	8801
50°	15183	8616	11623	8387
55°	14868	8232	11882	8004
60°	14401	7832	12040	7629
65°	13757	7372	11977	7202
70°	12851	6832	11552	6707
75°	11563	6092	10601	6060
80°	9804	5102	8910	5180
85°	6819	3378	5652	3470

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	809.7	3.2
10°-20°	2344.8	9.4
20°-30°	3593.5	14.4
30°-40°	4369.5	17.5
40°-50°	4542.4	18.2
50°-60°	4103.1	16.4
60°-70°	3119.4	12.5
70°-80°	1739.1	7.0
80°-90°	400.4	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°	6748.1	27.0
0°-40°	11117.7	44.4
0°-60°	19763.2	79.0
0°-90°	25022.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25022.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8529	8529	8529	8529	8529	
5°	8855	8435	8276	8449	8855	854
15°	9352	8033	7785	8035	9352	2652
25°	9537	7194	7271	7120	9537	4405
35°	9191	6018	6682	5923	9191	5741
45°	8055	4745	5962	4625	8055	6202
55°	6338	3509	5065	3412	6338	5658
65°	4321	2316	3762	2262	4321	4270
75°	2224	1172	2039	1166	2224	2363
85°	442	219	366	225	442	556
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°	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7
2.5°	8717.7	8590.4	8592.4	8703.8	8618.2	8660.0	8540.6	8586.4	8572.5	8582.4	8484.9
5°	8855.0	8717.7	8715.7	8811.2	8715.7	8733.6	8582.4	8612.3	8568.5	8540.6	8435.2
7.5°	9000.2	8862.9	8849.0	8932.6	8807.2	8793.3	8626.2	8626.2	8546.6	8477.0	8377.5
10°	9143.4	9002.2	8984.3	9048.0	8892.8	8847.0	8644.1	8612.3	8506.8	8403.4	8295.9
12.5°	9250.9	9107.6	9093.7	9133.5	8958.4	8874.9	8644.1	8582.4	8427.3	8282.0	8198.5
15°	9352.3	9205.1	9167.3	9187.2	8986.3	8874.9	8616.2	8520.8	8321.8	8130.8	8033.3
17.5°	9424.0	9282.7	9244.9	9242.9	9000.2	8841.1	8556.6	8425.3	8186.5	7955.8	7858.3
20°	9495.6	9354.3	9306.6	9270.8	8996.2	8795.3	8469.0	8292.0	8013.4	7754.8	7673.3
22.5°	9531.4	9386.2	9334.4	9280.7	8970.4	8711.7	8361.6	8136.8	7818.5	7510.1	7442.5
25°	9537.4	9388.1	9332.4	9254.9	8918.6	8612.3	8222.3	7949.8	7593.7	7251.5	7193.8
27.5°	9521.4	9358.3	9302.6	9209.1	8841.1	8490.9	8057.2	7736.9	7354.9	6977.0	6915.3
30°	9465.7	9300.6	9246.9	9125.5	8731.6	8341.7	7876.2	7500.2	7090.4	6688.5	6634.8
32.5°	9354.3	9193.2	9149.4	9028.1	8612.3	8168.6	7665.3	7245.5	6797.9	6413.9	6334.4
35°	9191.2	9030.1	9002.2	8874.9	8445.2	7961.7	7434.5	6967.0	6487.6	6095.6	6018.0
37.5°	8978.3	8843.0	8801.3	8675.9	8248.2	7727.0	7169.9	6664.6	6171.2	5749.5	5701.7
40°	8709.8	8582.4	8550.6	8439.2	8019.4	7466.4	6883.4	6352.3	5845.0	5453.0	5385.4
42.5°	8403.4	8284.0	8266.1	8150.7	7736.9	7177.9	6573.1	6028.0	5504.8	5126.8	5059.1
45°	8055.2	7939.8	7935.9	7826.4	7428.6	6857.6	6246.8	5699.7	5172.5	4780.6	4744.8
47.5°	7671.3	7567.8	7567.8	7466.4	7084.4	6505.5	5910.6	5357.6	4838.3	4492.1	4428.5
50°	7253.5	7156.0	7126.2	7076.4	6704.4	6121.5	5556.5	5023.3	4508.1	4177.8	4116.1
52.5°	6807.9	6724.3	6744.2	6652.7	6292.6	5721.6	5198.4	4647.3	4175.8	3875.4	3813.7
55°	6338.3	6219.0	6236.9	6203.1	5862.9	5309.8	4796.5	4337.0	3849.6	3567.1	3509.4
57.5°	5850.9	5695.8	5759.4	5739.5	5405.3	4888.0	4428.5	3984.8	3525.3	3264.7	3209.0
60°	5351.6	5202.4	5268.0	5250.1	4935.8	4466.3	4048.5	3636.7	3203.0	2966.2	2910.5
62.5°	4838.3	4701.0	4760.7	4746.8	4458.3	4034.6	3670.5	3292.5	2878.7	2665.8	2614.1
65°	4321.1	4189.8	4243.5	4233.5	3966.9	3644.6	3282.6	2936.4	2552.4	2367.4	2315.7
67.5°	3791.9	3670.5	3720.2	3720.2	3475.5	3167.2	2892.6	2576.3	2232.1	2073.0	2025.2
70°	3266.7	3153.3	3197.0	3193.0	2986.1	2735.5	2498.7	2216.2	1907.9	1776.6	1736.8
72.5°	2737.5	2638.0	2677.8	2673.8	2500.7	2339.6	2104.8	1860.1	1591.5	1486.1	1450.3
75°	2224.2	2130.7	2168.5	2164.5	2023.3	1872.1	1714.9	1512.0	1281.2	1207.6	1171.8
77.5°	1734.8	1639.3	1671.1	1671.1	1567.7	1458.3	1332.9	1175.8	1012.6	933.0	907.2
80°	1265.3	1219.5	1203.6	1205.6	1136.0	1064.3	1000.7	849.5	730.1	676.4	658.5
82.5°	831.6	793.8	777.9	781.8	742.1	698.3	658.5	553.1	473.5	441.7	431.7
85°	441.7	413.8	399.9	409.8	401.9	378.0	358.1	286.5	236.7	224.8	218.8
87.5°	139.3	121.4	111.4	147.2	125.3	111.4	107.4	85.5	65.7	65.7	63.7
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°	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7
2.5°	8516.8	8516.8	8439.2	8421.3	8413.3	8423.3	8345.7	8331.8	8443.2	8405.4	8319.8
5°	8449.1	8445.2	8335.7	8315.8	8315.8	8303.9	8216.4	8196.5	8307.9	8276.1	8182.6
7.5°	8365.6	8353.6	8224.3	8210.4	8190.5	8182.6	8085.1	8071.1	8166.6	8146.7	8059.2
10°	8264.1	8252.2	8099.0	8089.0	8067.2	8051.2	7959.7	7949.8	8047.3	8015.4	7945.8
12.5°	8130.8	8108.9	7951.8	7941.8	7923.9	7918.0	7828.4	7824.5	7931.9	7900.1	7826.4
15°	7955.8	7937.9	7762.8	7766.8	7768.7	7768.7	7697.1	7693.1	7798.6	7784.7	7705.1
17.5°	7762.8	7738.9	7571.8	7583.7	7597.7	7613.6	7557.9	7567.8	7679.2	7661.3	7589.7
20°	7543.9	7520.1	7356.9	7390.8	7420.6	7452.4	7416.6	7444.5	7547.9	7540.0	7486.2
22.5°	7299.2	7275.4	7124.2	7175.9	7225.6	7285.3	7269.4	7301.2	7410.6	7408.7	7360.9
25°	7000.8	7006.8	6873.5	6937.2	7020.7	7104.3	7110.2	7162.0	7283.3	7271.4	7227.6
27.5°	6722.3	6730.3	6589.0	6696.4	6807.9	6915.3	6941.1	7012.8	7136.1	7126.2	7088.4
30°	6429.9	6439.8	6302.5	6449.8	6585.0	6716.3	6772.0	6869.5	6994.9	6994.9	6955.1
32.5°	6125.5	6143.4	6000.1	6197.1	6354.3	6507.4	6604.9	6706.4	6849.6	6845.6	6811.8
35°	5813.1	5833.0	5701.7	5952.4	6109.6	6296.6	6417.9	6553.2	6680.5	6682.5	6656.7
37.5°	5494.8	5518.7	5399.3	5673.9	5852.9	6073.7	6228.9	6364.2	6505.5	6513.4	6489.5
40°	5178.5	5204.4	5100.9	5365.5	5592.3	5839.0	6018.0	6177.2	6332.4	6336.4	6320.4
42.5°	4862.2	4890.0	4812.4	5071.1	5327.7	5592.3	5803.2	5984.2	6143.4	6153.3	6135.4
45°	4553.8	4577.7	4522.0	4804.5	5051.2	5339.6	5582.4	5787.3	5948.4	5962.3	5956.4
47.5°	4247.4	4269.3	4219.6	4478.2	4762.7	5069.1	5349.6	5576.4	5747.5	5763.4	5759.4
50°	3947.0	3964.9	3911.2	4181.8	4464.3	4790.6	5083.0	5345.6	5536.6	5552.5	5550.5
52.5°	3648.6	3666.5	3620.8	3905.3	4161.9	4506.1	4824.4	5108.9	5297.9	5321.7	5325.7
55°	3360.2	3368.1	3332.3	3604.9	3853.5	4213.6	4579.7	4856.2	5045.2	5065.1	5077.0
57.5°	3071.7	3073.7	3043.8	3304.5	3543.2	3911.2	4295.2	4585.7	4764.7	4784.6	4802.5
60°	2785.2	2783.2	2749.4	3002.1	3230.8	3594.9	3994.8	4283.3	4456.3	4474.2	4498.1
62.5°	2500.7	2494.8	2464.9	2697.7	2912.5	3272.6	3674.5	3953.0	4118.1	4130.1	4161.9
65°	2218.2	2212.3	2184.4	2399.3	2594.2	2938.4	3332.3	3596.9	3746.1	3762.0	3756.1
67.5°	1939.7	1927.8	1905.9	2098.9	2275.9	2594.2	2972.2	3224.9	3348.2	3362.1	3399.9
70°	1661.2	1647.3	1597.5	1802.4	1957.6	2242.1	2594.2	2819.0	2922.5	2936.4	2930.4
72.5°	1386.6	1372.7	1319.0	1508.0	1639.3	1888.0	2202.3	2389.3	2478.8	2490.8	2490.8
75°	1120.1	1112.1	1078.3	1221.5	1330.9	1533.9	1800.4	1955.6	2025.2	2039.2	2035.2
77.5°	863.4	857.4	823.6	947.0	1032.5	1183.7	1398.6	1519.9	1571.7	1587.6	1621.4
80°	618.7	616.7	563.0	684.4	722.2	849.5	1006.7	1100.2	1128.0	1149.9	1173.8
82.5°	395.9	397.9	344.2	447.6	463.5	545.1	642.6	700.3	720.2	738.1	756.0
85°	193.0	200.9	171.1	236.7	238.7	280.5	322.3	344.2	352.1	366.1	382.0
87.5°	49.7	57.7	31.8	67.6	59.7	77.6	89.5	95.5	93.5	103.5	109.4
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°	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7
2.5°	8347.7	8411.3	8379.5	8483.0	8522.7	8459.1	8570.5	8572.5	8492.9	8586.4	8638.1
5°	8218.4	8284.0	8264.1	8371.5	8421.3	8365.6	8500.9	8526.7	8449.1	8554.6	8638.1
7.5°	8087.1	8164.6	8138.8	8248.2	8307.9	8264.1	8409.3	8451.1	8391.4	8506.8	8618.2
10°	7973.7	8039.3	8011.5	8126.8	8178.6	8142.8	8286.0	8363.6	8307.9	8449.1	8582.4
12.5°	7862.3	7916.0	7884.1	7979.6	8029.4	7983.6	8158.7	8230.3	8190.5	8337.7	8508.8
15°	7719.0	7778.7	7734.9	7820.5	7858.3	7818.5	7961.7	8085.1	8035.3	8196.5	8385.5
17.5°	7609.6	7643.4	7583.7	7651.4	7673.3	7619.5	7764.8	7886.1	7850.3	8025.4	8244.2
20°	7488.2	7516.1	7432.5	7470.3	7468.3	7400.7	7534.0	7653.4	7629.5	7822.5	8071.1
22.5°	7353.0	7366.9	7269.4	7277.4	7273.4	7162.0	7281.3	7402.7	7392.7	7587.7	7866.2
25°	7209.7	7211.7	7086.4	7082.4	7038.6	6907.3	7012.8	7150.0	7120.2	7331.1	7623.5
27.5°	7068.5	7048.6	6897.4	6861.6	6791.9	6634.8	6728.3	6851.6	6833.7	7040.6	7364.9
30°	6917.3	6891.4	6706.4	6640.7	6539.3	6358.2	6435.8	6551.2	6561.2	6742.2	7082.4
32.5°	6774.0	6708.4	6503.5	6408.0	6280.6	6069.8	6111.5	6228.9	6244.8	6427.9	6778.0
35°	6589.0	6545.2	6292.6	6129.5	6004.1	5773.3	5817.1	5898.7	5922.6	6101.6	6457.7
37.5°	6413.9	6344.3	6075.7	5876.8	5715.7	5472.9	5484.9	5568.4	5592.3	5773.3	6125.5
40°	6232.9	6133.4	5845.0	5612.2	5427.2	5172.5	5158.6	5246.1	5264.0	5441.1	5759.4
42.5°	6039.9	5920.6	5596.3	5341.6	5128.8	4870.1	4842.3	4917.9	4937.8	5110.9	5423.2
45°	5845.0	5701.7	5341.6	5063.1	4830.4	4565.8	4537.9	4595.6	4625.4	4788.6	5089.0
47.5°	5638.1	5470.9	5079.0	4768.7	4528.0	4263.4	4229.5	4287.2	4311.1	4472.3	4756.7
50°	5421.2	5218.3	4808.5	4466.3	4227.6	3966.9	3917.2	3984.8	4006.7	4157.9	4436.4
52.5°	5182.5	4957.7	4520.0	4161.9	3923.2	3674.5	3614.8	3680.5	3706.3	3853.5	4110.2
55°	4929.8	4687.1	4229.5	3881.4	3622.8	3380.1	3330.3	3356.2	3411.9	3551.1	3789.9
57.5°	4645.3	4404.6	3923.2	3569.0	3320.4	3087.6	3045.8	3069.7	3121.4	3256.7	3471.6
60°	4342.9	4088.3	3610.8	3256.7	3016.0	2795.2	2757.4	2779.2	2834.9	2958.3	3157.2
62.5°	4044.5	3758.0	3288.5	2936.4	2717.6	2512.7	2502.7	2494.8	2546.5	2665.8	2840.9
65°	3682.4	3407.9	2952.3	2618.1	2419.2	2234.1	2194.3	2212.3	2262.0	2371.4	2554.4
67.5°	3294.5	3045.8	2608.2	2299.8	2122.7	1957.6	1923.8	1931.7	1983.5	2079.0	2238.1
70°	2882.7	2663.9	2256.0	1979.5	1830.3	1675.1	1653.2	1655.2	1704.9	1788.5	1927.8
72.5°	2451.0	2254.0	1899.9	1663.2	1539.8	1428.4	1408.5	1384.6	1430.4	1502.0	1621.4
75°	2011.3	1838.2	1545.8	1352.8	1255.3	1161.8	1143.9	1120.1	1165.8	1227.5	1321.0
77.5°	1567.7	1428.4	1201.6	1052.4	976.8	907.2	891.3	865.4	911.2	956.9	1030.5
80°	1134.0	1032.5	897.2	740.1	714.2	668.5	652.5	624.7	668.5	698.3	754.0
82.5°	732.1	664.5	586.9	477.5	473.5	439.7	431.7	399.9	439.7	457.6	499.3
85°	370.0	338.2	318.3	242.7	250.7	228.8	226.8	193.0	224.8	232.8	256.6
87.5°	105.4	111.4	99.5	59.7	75.6	71.6	71.6	51.7	71.6	71.6	81.6
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: P838252

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-6HI-50-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7	8528.7
2.5°	8536.7	8570.5	8578.4	8576.5	8598.3	8717.7	8677.9	8717.7
5°	8556.6	8632.2	8652.1	8679.9	8715.7	8851.0	8807.2	8855.0
7.5°	8568.5	8681.9	8725.7	8779.4	8837.1	8988.3	8952.5	9000.2
10°	8568.5	8715.7	8779.4	8868.9	8946.5	9121.6	9087.7	9143.4
12.5°	8532.7	8721.7	8811.2	8936.5	9036.0	9225.0	9211.1	9250.9
15°	8459.1	8691.8	8815.2	8976.3	9099.7	9310.6	9304.6	9352.3
17.5°	8359.6	8640.1	8789.3	8992.3	9147.4	9384.2	9398.1	9424.0
20°	8234.3	8542.6	8737.6	8986.3	9181.2	9441.9	9459.8	9495.6
22.5°	8069.2	8425.3	8660.0	8960.4	9185.2	9465.7	9497.6	9531.4
25°	7874.2	8284.0	8558.6	8910.7	9165.3	9463.7	9507.5	9537.4
27.5°	7651.4	8101.0	8429.2	8831.1	9109.6	9431.9	9485.6	9521.4
30°	7392.7	7906.0	8282.0	8727.7	9034.0	9372.2	9429.9	9465.7
32.5°	7126.2	7691.2	8107.0	8594.4	8924.6	9276.7	9326.5	9354.3
35°	6835.7	7430.5	7896.1	8423.3	8783.4	9123.6	9161.4	9191.2
37.5°	6519.4	7148.0	7655.4	8230.3	8584.4	8910.7	8944.5	8978.3
40°	6193.1	6851.6	7384.8	7993.6	8347.7	8650.1	8685.9	8709.8
42.5°	5864.9	6523.4	7096.3	7715.0	8067.2	8357.6	8379.5	8403.4
45°	5532.6	6183.2	6772.0	7406.7	7754.8	8027.4	8035.3	8055.2
47.5°	5194.4	5831.0	6415.9	7054.5	7398.7	7647.4	7655.4	7671.3
50°	4854.2	5478.9	6035.9	6674.6	7010.8	7273.4	7237.6	7253.5
52.5°	4520.0	5108.9	5677.9	6264.7	6597.0	6829.7	6839.7	6807.9
55°	4191.7	4746.8	5270.0	5835.0	6151.3	6332.4	6326.4	6338.3
57.5°	3859.5	4380.7	4860.2	5377.4	5685.8	5856.9	5892.7	5850.9
60°	3521.3	4010.7	4440.4	4907.9	5206.4	5349.6	5391.4	5351.6
62.5°	3185.1	3634.7	4024.6	4432.5	4709.0	4886.1	4882.1	4838.3
65°	2848.9	3256.7	3604.9	3951.0	4191.7	4368.8	4360.8	4321.1
67.5°	2538.5	2874.7	3187.1	3467.6	3676.5	3797.8	3839.6	3791.9
70°	2196.3	2486.8	2761.3	2986.1	3159.2	3268.6	3308.4	3266.7
72.5°	1854.2	2100.8	2293.8	2510.7	2644.0	2735.5	2777.3	2737.5
75°	1516.0	1718.9	1876.0	2045.1	2138.6	2216.2	2264.0	2224.2
77.5°	1187.7	1344.9	1470.2	1593.5	1701.0	1718.9	1760.7	1734.8
80°	875.4	988.7	1080.3	1161.8	1239.4	1247.4	1281.2	1265.3
82.5°	582.9	658.5	682.4	767.9	817.7	809.7	843.5	831.6
85°	308.4	354.1	395.9	421.8	449.6	423.7	453.6	441.7
87.5°	103.5	109.4	95.5	135.3	149.2	127.3	145.2	139.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)