

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: NEO-RAY

Report Number: P333027

Luminaire Tested: **S124RDIW-S350D1340U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333027
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S350D1340U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6854.1 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

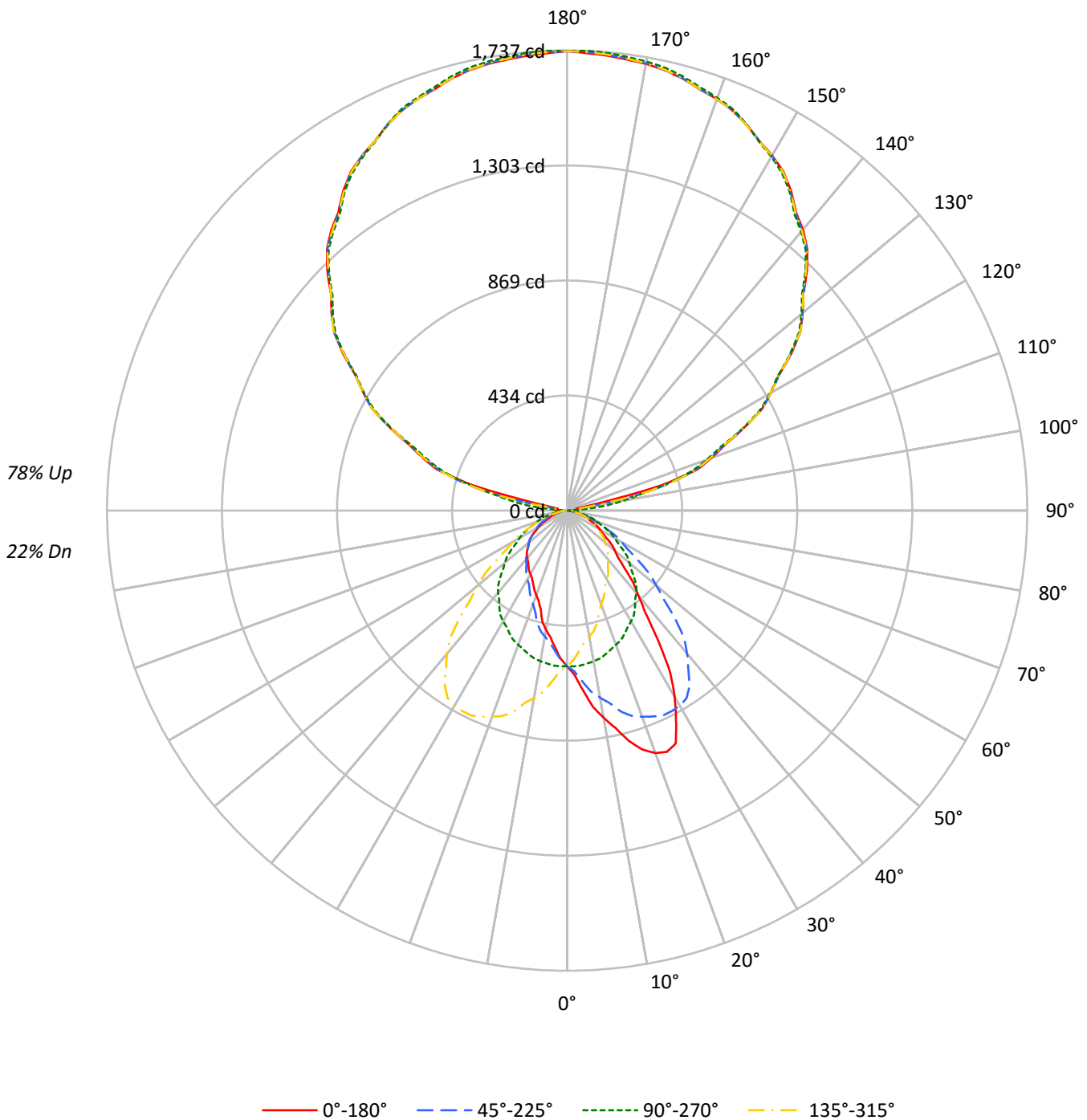
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	100	100	100	100	89	89	89	89	68	68	68	48	48	48	30	30	30	22																												
1	92	88	84	81	81	78	75	72	59	57	56	42	41	40	27	26	26	19																												
2	84	77	71	66	74	68	63	59	52	49	46	37	36	34	24	23	22	16																												
3	76	67	61	55	67	60	54	50	46	42	39	33	31	29	21	20	19	14																												
4	70	60	52	47	62	53	47	42	41	37	33	30	27	25	19	18	16	12																												
5	64	53	45	40	56	47	41	36	37	32	29	27	24	21	17	16	14	10																												
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9																												
7	54	43	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8																												
8	50	39	31	26	44	35	28	24	27	22	19	20	17	15	13	11	10	7																												
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7																												
10	43	32	25	21	39	29	23	19	23	18	15	17	14	12	11	9	8	6																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4742	4742	4742	4742
5°	5501	4756	4204	4756
10°	6507	4736	3752	4736
15°	7516	4692	3224	4692
20°	8369	4631	2916	4631
25°	8639	4572	2707	4572
30°	7563	4501	2581	4501
35°	5887	4394	2505	4394
40°	4415	4272	2464	4272
45°	3486	4077	2442	4077
50°	2943	3852	2372	3852
55°	2564	3605	2245	3605
60°	2307	3347	1988	3347
65°	2034	3070	1710	3070
70°	1832	2783	1541	2783
75°	1535	2464	1313	2464
80°	1297	2101	1232	2101
85°	1093	1649	1093	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	0.8
10°-20°	171.7	2.5
20°-30°	268.5	3.9
30°-40°	298.5	4.4
40°-50°	264.9	3.9
50°-60°	206.4	3.0
60°-70°	135.1	2.0
70°-80°	66.4	1.0
80°-90°	21.4	0.3
90°-100°	59.3	0.9
100°-110°	378.2	5.5
110°-120°	723.4	10.6
120°-130°	918.4	13.4
130°-140°	982.6	14.3
140°-150°	918.8	13.4
150°-160°	741.0	10.8
160°-170°	477.9	7.0
170°-180°	164.7	2.4
0°-30°	497.1	7.3
0°-40°	795.6	11.6
0°-60°	1266.9	18.5
0°-90°	1489.8	21.7
90°-120°	1160.9	16.9
90°-150°	3980.7	58.1
90°-180°	5364.0	78.3
0°-180°	6854.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	587	587	587	587	587	
5°	679	587	519	587	679	69
15°	899	561	386	561	899	256
25°	970	513	304	513	970	430
35°	597	446	254	446	597	374
45°	305	357	214	357	305	242
55°	182	256	160	256	182	166
65°	106	161	90	161	106	107
75°	49	79	42	79	49	54
85°	12	18	12	18	12	14
90°	39	4	39	4	39	17
95°	38	71	38	71	38	30
105°	370	390	370	390	370	323
115°	734	729	734	729	734	727
125°	1032	1025	1032	1025	1032	919
135°	1280	1271	1280	1271	1280	985
145°	1474	1466	1474	1466	1474	921
155°	1606	1607	1606	1607	1606	740
165°	1688	1695	1688	1695	1688	477
175°	1724	1734	1724	1734	1724	164
180°	1734	1734	1734	1734	1734	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	619.6	621.3	619.6	619.4	617.5	616.9	616.2	613.7	609.2	606.5	607.1
5°	678.8	684.7	681.4	680.9	675.7	670.5	667.2	659.6	651.5	646.1	641.6
7.5°	747.2	750.6	748.5	745.2	736.8	732.0	724.3	714.4	699.9	688.9	678.8
10°	793.8	796.6	795.7	789.5	783.4	770.8	763.7	749.8	731.5	717.1	703.6
12.5°	839.6	842.6	834.3	834.6	822.9	813.0	801.8	784.2	763.2	744.6	727.7
15°	899.3	895.5	895.5	890.8	877.8	864.1	852.5	834.0	807.5	785.3	761.8
17.5°	946.1	947.4	945.5	934.3	924.1	909.9	888.6	867.1	842.5	812.6	788.7
20°	974.1	974.1	972.0	964.4	951.2	936.0	913.1	889.6	858.4	828.3	801.4
22.5°	985.5	986.2	983.7	977.5	965.6	950.8	931.2	907.4	875.2	841.4	808.0
25°	969.9	974.4	974.8	973.2	969.6	960.6	943.8	919.5	890.6	853.9	817.9
27.5°	890.4	896.1	901.1	909.3	920.2	925.8	926.6	914.2	889.0	853.7	817.5
30°	811.3	816.0	831.4	851.5	867.1	881.3	893.7	897.0	882.8	851.1	813.0
32.5°	723.4	729.9	745.3	766.9	792.9	817.0	844.6	858.7	858.3	839.3	804.1
35°	597.3	602.1	616.3	639.0	670.2	706.0	749.8	783.8	807.0	805.4	783.8
37.5°	481.8	487.1	501.4	520.3	550.6	594.8	637.2	684.2	727.0	751.1	743.9
40°	418.9	419.1	433.1	452.5	480.9	519.5	565.6	617.7	665.5	704.6	712.1
42.5°	369.3	369.3	378.6	399.5	419.9	456.2	500.3	552.0	608.0	653.1	673.1
45°	305.3	307.4	315.0	327.5	343.6	374.4	409.7	457.7	520.4	573.9	607.3
47.5°	258.5	261.7	266.5	276.7	289.5	310.0	339.2	382.4	433.4	492.2	539.7
50°	234.3	234.8	240.9	246.6	257.7	274.1	299.6	335.6	382.5	439.0	491.8
52.5°	213.5	213.4	217.1	224.3	233.3	246.0	266.7	299.4	341.0	391.7	446.2
55°	182.2	183.4	186.3	191.9	198.8	207.8	224.1	248.7	281.4	324.7	374.2
57.5°	158.5	159.1	161.3	163.7	170.0	176.6	188.8	205.9	233.4	268.9	315.0
60°	142.9	143.2	143.9	147.4	152.4	158.6	166.9	181.3	204.5	236.9	273.4
62.5°	127.8	128.2	129.3	131.9	135.8	140.0	148.7	160.3	179.5	207.2	240.0
65°	106.5	106.7	108.4	109.3	112.4	116.2	122.6	130.4	143.7	166.9	191.7
67.5°	89.0	89.0	89.1	90.4	92.5	95.0	98.8	105.1	115.1	129.3	151.2
70°	77.6	77.6	78.1	78.8	80.0	82.1	84.3	89.0	96.3	107.9	124.7
72.5°	67.0	67.2	67.7	67.8	68.4	70.2	71.8	74.8	80.2	89.0	102.6
75°	49.2	49.9	51.1	52.1	53.3	53.0	54.7	56.6	58.2	63.4	71.2
77.5°	36.6	36.3	36.4	37.2	37.3	37.6	38.8	40.2	41.5	43.9	46.7
80°	27.9	27.9	28.6	28.9	28.6	28.9	30.1	30.8	31.2	32.2	34.8
82.5°	21.1	21.5	21.3	21.5	21.6	21.9	22.9	23.0	23.5	23.9	24.9
85°	11.8	12.1	12.3	11.8	11.8	11.8	12.3	12.5	13.0	12.8	13.3
87.5°	11.9	11.6	11.7	11.6	11.7	11.3	11.1	11.1	10.4	10.3	9.8
90°	38.9	38.3	37.8	37.2	36.6	35.5	33.7	32.0	30.3	28.5	26.2
92.5°	35.8	35.7	35.6	35.5	35.3	34.4	32.7	31.0	29.2	27.5	25.2
95°	37.6	37.3	37.0	36.7	36.5	35.5	33.7	32.0	30.3	28.5	28.2
97.5°	36.3	36.0	35.7	35.5	35.2	34.9	34.8	34.6	34.4	34.2	66.4
100°	36.3	36.0	35.7	35.5	35.2	37.5	42.4	47.3	52.2	57.1	96.8
102.5°	37.4	37.3	37.2	37.2	37.1	63.5	116.4	169.3	222.1	275.0	280.2
105°	369.7	380.0	390.4	400.8	411.2	415.1	412.5	409.9	407.3	404.7	403.2
107.5°	515.2	514.1	513.0	511.9	510.8	509.6	508.4	507.1	505.8	504.6	502.6
110°	578.5	577.6	576.8	575.9	575.0	574.3	573.7	573.2	572.6	572.0	570.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	641.8	640.7	639.6	638.5	637.4	636.9	637.0	637.1	637.3	637.4	636.6
115°	734.1	734.1	734.1	734.1	734.1	733.8	733.3	732.7	732.1	731.5	731.8
117.5°	828.0	828.2	828.3	828.4	828.5	828.6	828.7	828.8	829.0	829.1	828.4
120°	887.2	887.8	888.3	888.9	889.5	889.5	888.9	888.3	887.8	887.2	887.5
122.5°	945.3	945.9	946.4	947.0	947.6	947.7	947.4	947.0	946.7	946.3	945.9
125°	1032.5	1032.2	1031.9	1031.6	1031.3	1030.7	1029.9	1029.0	1028.1	1027.3	1027.8
127.5°	1109.0	1109.2	1109.4	1109.7	1109.9	1110.1	1110.3	1110.5	1110.6	1110.8	1109.5
130°	1160.9	1160.9	1160.9	1160.9	1160.9	1160.7	1160.4	1160.1	1159.9	1159.6	1158.7
132.5°	1208.6	1208.8	1209.1	1209.3	1209.5	1209.5	1209.2	1208.9	1208.6	1208.3	1207.2
135°	1280.2	1279.6	1279.0	1278.5	1277.9	1277.3	1276.7	1276.2	1275.6	1275.0	1273.9
137.5°	1341.4	1341.6	1341.8	1341.9	1342.1	1341.9	1341.2	1340.6	1340.0	1339.3	1338.1
140°	1384.0	1383.7	1383.4	1383.1	1382.8	1382.2	1381.4	1380.5	1379.6	1378.8	1378.2
142.5°	1419.2	1419.2	1419.1	1419.1	1419.0	1418.7	1418.0	1417.4	1416.8	1416.1	1415.8
145°	1473.5	1472.9	1472.3	1471.7	1471.2	1470.7	1470.4	1470.1	1469.9	1469.6	1469.6
147.5°	1518.3	1518.0	1517.8	1517.5	1517.2	1516.9	1516.7	1516.5	1516.2	1516.0	1516.3
150°	1547.4	1547.1	1546.8	1546.5	1546.2	1546.1	1546.1	1546.1	1546.1	1546.1	1546.4
152.5°	1572.3	1572.5	1572.6	1572.8	1573.0	1572.8	1572.4	1571.9	1571.5	1571.0	1571.5
155°	1605.8	1606.6	1607.5	1608.4	1609.2	1609.1	1607.9	1606.8	1605.6	1604.5	1605.3
157.5°	1633.8	1635.3	1636.8	1638.3	1639.8	1639.8	1638.3	1636.8	1635.3	1633.8	1634.8
160°	1652.5	1654.2	1655.9	1657.6	1659.4	1659.4	1657.6	1655.9	1654.2	1652.5	1652.7
162.5°	1667.0	1668.9	1670.9	1672.9	1674.8	1674.9	1673.2	1671.5	1669.7	1668.0	1668.3
165°	1687.5	1690.1	1692.7	1695.3	1697.8	1698.0	1695.7	1693.4	1691.1	1688.8	1688.8
167.5°	1702.8	1705.7	1708.5	1711.4	1714.3	1714.5	1711.9	1709.4	1706.9	1704.3	1704.5
170°	1712.1	1715.0	1717.9	1720.8	1723.6	1723.9	1721.6	1719.3	1717.0	1714.7	1714.4
172.5°	1717.3	1720.4	1723.5	1726.6	1729.8	1730.2	1727.9	1725.5	1723.2	1720.9	1720.6
175°	1723.8	1727.2	1730.7	1734.2	1737.6	1738.1	1735.5	1732.9	1730.3	1727.7	1727.4
177.5°	1727.9	1730.7	1733.5	1736.2	1739.0	1739.5	1737.6	1735.8	1733.9	1732.1	1731.6
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	605.2	602.6	601.2	598.2	594.6	592.7	591.0	588.5	585.3	581.9	579.5
5°	635.9	630.2	623.1	614.6	607.1	599.7	593.3	586.9	579.6	572.0	564.5
7.5°	667.4	656.3	644.2	630.2	616.7	604.3	592.9	582.1	569.8	558.7	548.7
10°	689.4	674.3	657.5	639.7	622.0	606.6	591.4	577.7	562.6	549.1	537.7
12.5°	707.2	689.4	669.2	647.1	625.7	607.1	589.7	571.8	554.6	540.0	524.8
15°	736.7	712.4	685.2	658.6	631.0	605.6	582.2	561.4	541.7	521.1	506.7
17.5°	757.1	728.1	695.0	663.2	630.5	600.6	573.6	548.8	526.1	505.1	487.9
20°	769.2	737.2	700.5	664.3	627.6	595.7	566.6	539.1	515.7	493.0	475.2
22.5°	776.0	740.6	700.5	662.6	624.6	590.0	558.1	529.5	504.0	481.2	461.6
25°	778.2	740.3	699.4	655.8	614.2	577.5	544.3	513.3	484.9	462.2	441.4
27.5°	775.1	730.5	688.6	643.9	600.9	562.3	527.5	494.9	466.5	442.1	420.7
30°	770.6	722.8	677.8	631.4	587.9	550.7	514.0	482.8	453.2	427.9	406.4
32.5°	760.7	713.3	664.9	617.4	573.3	535.0	500.2	468.8	439.8	413.9	391.0
35°	741.2	693.2	640.7	591.9	548.6	508.8	476.2	445.9	418.2	390.5	366.4
37.5°	715.5	666.5	614.2	560.8	517.4	479.9	450.0	421.5	394.5	369.2	342.5
40°	691.3	646.6	592.6	539.6	495.1	458.9	431.2	405.4	378.2	353.1	326.4
42.5°	662.0	623.9	569.3	516.1	472.2	437.3	411.5	386.3	361.5	337.2	309.3
45°	613.0	584.1	533.0	481.9	437.6	403.0	379.4	357.1	335.4	312.2	285.9
47.5°	556.8	537.3	493.2	440.8	399.9	368.8	345.9	327.7	309.3	286.1	263.1
50°	517.8	505.3	462.7	414.9	375.8	347.2	323.8	306.7	291.3	269.1	248.5
52.5°	476.2	469.5	433.5	387.8	350.1	322.0	302.0	286.7	271.1	252.6	233.4
55°	412.7	416.3	385.8	346.2	310.7	287.1	268.9	256.1	242.8	227.2	212.3
57.5°	347.9	360.9	340.4	305.7	272.4	250.5	236.8	226.1	214.9	202.0	189.2
60°	309.1	320.0	308.4	277.8	248.7	228.4	215.6	207.3	196.2	184.4	174.7
62.5°	271.2	282.9	276.0	251.3	224.3	206.8	195.5	187.8	179.5	169.2	159.1
65°	223.7	231.2	227.9	210.9	191.7	176.8	166.4	160.7	153.1	145.6	136.6
67.5°	171.3	185.9	184.0	174.9	158.4	146.7	139.9	134.9	128.0	122.4	116.3
70°	140.8	154.3	154.1	146.7	137.7	126.9	122.1	117.9	111.7	106.3	101.3
72.5°	115.3	127.6	129.5	123.8	117.7	109.4	104.9	102.0	96.0	92.3	88.2
75°	80.7	89.7	92.1	92.1	89.2	85.0	80.9	79.0	74.8	71.5	69.1
77.5°	52.9	58.6	62.3	63.1	63.6	62.1	58.8	57.5	54.2	53.1	50.8
80°	37.4	41.2	45.4	46.9	48.0	47.6	46.2	45.2	42.1	40.9	40.0
82.5°	25.8	27.9	31.4	34.6	34.2	35.5	34.2	33.5	31.1	30.7	29.8
85°	13.5	13.7	14.2	16.3	17.5	18.0	18.2	17.8	17.0	17.0	15.4
87.5°	9.3	8.7	8.6	8.0	7.6	7.7	7.7	7.2	7.3	7.3	7.4
90°	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9	7.1	10.2	13.4
92.5°	22.9	20.6	18.3	17.0	16.9	16.7	16.5	16.3	16.5	16.7	16.9
95°	28.0	27.7	27.4	32.1	41.9	51.7	61.5	71.3	61.5	51.7	41.9
97.5°	98.6	130.7	162.9	175.9	169.8	163.7	157.6	151.5	157.6	163.7	169.8
100°	136.6	176.4	216.2	233.5	228.3	223.1	217.9	212.7	217.9	223.1	228.3
102.5°	285.4	290.5	295.7	296.4	292.6	288.8	285.0	281.2	285.0	288.8	292.6
105°	401.8	400.4	398.9	397.3	395.6	393.9	392.1	390.4	392.1	393.9	395.6
107.5°	500.6	498.7	496.7	495.3	494.4	493.6	492.7	491.8	492.7	493.6	494.4
110°	568.5	566.8	565.1	563.8	562.9	562.1	561.2	560.3	561.2	562.1	562.9



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	635.8	635.0	634.1	633.0	631.4	629.9	628.3	626.7	628.3	629.9	631.4
115°	732.1	732.4	732.7	732.4	731.5	730.7	729.8	728.9	729.8	730.7	731.5
117.5°	827.8	827.2	826.5	825.6	824.5	823.3	822.2	821.0	822.2	823.3	824.5
120°	887.8	888.1	888.3	887.9	886.8	885.6	884.4	883.3	884.4	885.6	886.8
122.5°	945.5	945.1	944.7	944.2	943.5	942.8	942.1	941.4	942.1	942.8	943.5
125°	1028.4	1029.0	1029.6	1029.3	1028.1	1027.0	1025.8	1024.7	1025.8	1027.0	1028.1
127.5°	1108.1	1106.8	1105.5	1104.7	1104.4	1104.1	1103.8	1103.5	1103.8	1104.1	1104.4
130°	1157.8	1157.0	1156.1	1155.5	1155.2	1155.0	1154.7	1154.4	1154.7	1155.0	1155.2
132.5°	1206.1	1205.1	1204.0	1203.1	1202.6	1202.1	1201.6	1201.1	1201.6	1202.1	1202.6
135°	1272.7	1271.5	1270.4	1270.0	1270.3	1270.5	1270.8	1271.1	1270.8	1270.5	1270.3
137.5°	1336.8	1335.5	1334.3	1333.6	1333.5	1333.3	1333.2	1333.1	1333.2	1333.3	1333.5
140°	1377.6	1377.0	1376.5	1375.9	1375.3	1374.7	1374.2	1373.6	1374.2	1374.7	1375.3
142.5°	1415.4	1415.1	1414.7	1414.1	1413.0	1412.0	1410.9	1409.9	1410.9	1412.0	1413.0
145°	1469.6	1469.6	1469.6	1469.1	1468.3	1467.4	1466.5	1465.7	1466.5	1467.4	1468.3
147.5°	1516.6	1516.9	1517.2	1516.5	1514.9	1513.3	1511.6	1510.0	1511.6	1513.3	1514.9
150°	1546.7	1547.0	1547.2	1546.8	1545.7	1544.5	1543.4	1542.2	1543.4	1544.5	1545.7
152.5°	1572.0	1572.6	1573.1	1572.9	1571.9	1571.0	1570.1	1569.2	1570.1	1571.0	1571.9
155°	1606.2	1607.1	1607.9	1608.2	1607.9	1607.6	1607.3	1607.1	1607.3	1607.6	1607.9
157.5°	1635.7	1636.7	1637.7	1638.3	1638.4	1638.6	1638.8	1639.0	1638.8	1638.6	1638.4
160°	1653.0	1653.3	1653.6	1654.2	1655.0	1655.9	1656.8	1657.6	1656.8	1655.9	1655.0
162.5°	1668.6	1668.9	1669.2	1669.9	1671.0	1672.1	1673.1	1674.2	1673.1	1672.1	1671.0
165°	1688.8	1688.8	1688.8	1689.5	1690.9	1692.4	1693.8	1695.3	1693.8	1692.4	1690.9
167.5°	1704.7	1704.9	1705.0	1705.9	1707.4	1708.9	1710.4	1711.9	1710.4	1708.9	1707.4
170°	1714.1	1713.8	1713.6	1714.3	1716.0	1717.7	1719.5	1721.2	1719.5	1717.7	1716.0
172.5°	1720.4	1720.1	1719.8	1720.5	1722.2	1724.0	1725.7	1727.4	1725.7	1724.0	1722.2
175°	1727.1	1726.8	1726.5	1727.2	1729.0	1730.7	1732.4	1734.2	1732.4	1730.7	1729.0
177.5°	1731.2	1730.7	1730.2	1730.8	1732.4	1734.0	1735.7	1737.3	1735.7	1734.0	1732.4
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	576.8	574.9	572.5	569.6	566.2	563.2	561.8	563.0	563.6	562.0	561.8
5°	559.2	553.3	548.6	541.5	535.8	531.1	527.8	526.3	526.8	523.0	522.1
7.5°	539.5	532.5	524.7	516.3	508.5	501.5	497.9	495.9	491.8	490.1	487.2
10°	526.8	517.4	509.8	499.8	490.8	482.6	478.5	475.2	471.2	469.3	465.3
12.5°	513.8	502.8	494.4	484.1	474.9	465.0	461.1	455.0	448.7	444.7	439.5
15°	495.3	482.1	471.9	459.6	448.7	437.4	427.2	415.8	411.6	402.6	397.4
17.5°	473.8	460.4	447.8	431.3	414.5	400.3	389.5	378.6	372.1	366.4	363.7
20°	459.6	447.3	429.8	410.6	391.9	376.3	367.5	360.4	353.3	349.3	346.5
22.5°	446.2	430.4	410.1	389.4	370.7	358.5	351.1	343.8	338.0	334.2	330.4
25°	423.6	403.0	381.5	357.8	345.1	334.4	326.4	320.4	316.9	311.9	310.0
27.5°	400.5	375.5	351.8	335.9	322.6	312.8	305.8	301.4	296.9	293.7	291.2
30°	382.7	357.4	336.1	320.9	307.4	299.4	293.7	288.5	284.9	282.3	280.5
32.5°	365.1	339.8	321.9	305.6	294.9	287.1	281.0	277.1	274.3	271.0	269.8
35°	339.6	317.1	301.5	286.8	276.0	268.9	264.1	260.1	257.7	256.8	256.1
37.5°	315.1	296.7	279.9	267.9	258.2	252.6	247.0	245.0	243.4	241.7	242.5
40°	299.6	282.3	267.4	254.7	246.8	240.7	237.4	235.0	233.6	233.6	233.6
42.5°	286.2	269.3	254.7	243.3	235.5	230.3	226.6	224.6	224.1	223.9	225.1
45°	265.3	249.7	235.0	225.5	218.9	213.7	211.6	209.9	209.9	210.9	211.1
47.5°	244.6	230.0	218.2	207.6	201.5	198.3	196.4	195.6	195.7	196.6	197.7
50°	231.9	217.5	205.9	196.4	190.8	187.7	186.0	185.5	186.0	186.0	187.7
52.5°	218.1	205.2	193.8	185.8	179.4	176.5	175.6	174.9	175.2	176.0	176.7
55°	197.9	186.3	175.4	167.8	163.1	161.2	159.0	159.3	158.8	159.3	159.3
57.5°	177.5	167.1	157.0	151.0	146.8	144.1	141.8	142.4	141.7	141.6	141.2
60°	164.5	153.1	145.1	139.6	134.9	132.5	130.4	130.9	130.2	129.7	128.7
62.5°	150.3	140.8	133.1	127.9	124.1	121.4	119.2	118.8	117.1	115.5	113.4
65°	129.7	121.9	115.0	110.1	106.5	104.4	102.7	101.3	97.7	94.0	92.1
67.5°	109.7	104.0	97.6	93.4	90.5	87.8	84.6	82.2	78.9	76.8	75.6
70°	96.8	91.4	85.9	81.9	78.8	76.2	72.7	71.0	68.6	67.7	66.5
72.5°	84.5	79.4	74.4	70.7	67.5	65.4	62.6	61.0	59.9	59.5	58.4
75°	65.8	61.8	58.0	54.7	52.1	50.6	49.5	48.3	47.8	45.7	44.5
77.5°	48.0	45.3	43.0	40.6	38.8	37.8	35.5	34.2	33.4	32.4	32.1
80°	37.4	35.5	33.1	31.7	29.1	28.2	27.2	27.0	26.7	26.5	26.3
82.5°	28.1	26.2	23.9	23.0	22.3	21.7	21.2	20.9	20.7	20.8	20.8
85°	14.2	13.3	13.3	13.0	12.8	12.5	12.3	12.3	12.1	12.3	12.1
87.5°	8.0	8.4	8.9	9.0	9.6	10.1	10.2	10.6	11.1	11.1	11.3
90°	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0	33.7	35.5	36.6
92.5°	17.0	18.3	20.6	22.9	25.2	27.5	29.2	31.0	32.7	34.4	35.3
95°	32.1	27.4	27.7	28.0	28.2	28.5	30.3	32.0	33.7	35.5	36.5
97.5°	175.9	162.9	130.7	98.6	66.4	34.2	34.4	34.6	34.8	34.9	35.2
100°	233.5	216.2	176.4	136.6	96.8	57.1	52.2	47.3	42.4	37.5	35.2
102.5°	296.4	295.7	290.5	285.4	280.2	275.0	222.1	169.3	116.4	63.5	37.1
105°	397.3	398.9	400.4	401.8	403.2	404.7	407.3	409.9	412.5	415.1	411.2
107.5°	495.3	496.7	498.7	500.6	502.6	504.6	505.8	507.1	508.4	509.6	510.8
110°	563.8	565.1	566.8	568.5	570.3	572.0	572.6	573.2	573.7	574.3	575.0



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	633.0	634.1	635.0	635.8	636.6	637.4	637.3	637.1	637.0	636.9	637.4
115°	732.4	732.7	732.4	732.1	731.8	731.5	732.1	732.7	733.3	733.8	734.1
117.5°	825.6	826.5	827.2	827.8	828.4	829.1	829.0	828.8	828.7	828.6	828.5
120°	887.9	888.3	888.1	887.8	887.5	887.2	887.8	888.3	888.9	889.5	889.5
122.5°	944.2	944.7	945.1	945.5	945.9	946.3	946.7	947.0	947.4	947.7	947.6
125°	1029.3	1029.6	1029.0	1028.4	1027.8	1027.3	1028.1	1029.0	1029.9	1030.7	1031.3
127.5°	1104.7	1105.5	1106.8	1108.1	1109.5	1110.8	1110.6	1110.5	1110.3	1110.1	1109.9
130°	1155.5	1156.1	1157.0	1157.8	1158.7	1159.6	1159.9	1160.1	1160.4	1160.7	1160.9
132.5°	1203.1	1204.0	1205.1	1206.1	1207.2	1208.3	1208.6	1208.9	1209.2	1209.5	1209.5
135°	1270.0	1270.4	1271.5	1272.7	1273.9	1275.0	1275.6	1276.2	1276.7	1277.3	1277.9
137.5°	1333.6	1334.3	1335.5	1336.8	1338.1	1339.3	1340.0	1340.6	1341.2	1341.9	1342.1
140°	1375.9	1376.5	1377.0	1377.6	1378.2	1378.8	1379.6	1380.5	1381.4	1382.2	1382.8
142.5°	1414.1	1414.7	1415.1	1415.4	1415.8	1416.1	1416.8	1417.4	1418.0	1418.7	1419.0
145°	1469.1	1469.6	1469.6	1469.6	1469.6	1469.6	1469.9	1470.1	1470.4	1470.7	1471.2
147.5°	1516.5	1517.2	1516.9	1516.6	1516.3	1516.0	1516.2	1516.5	1516.7	1516.9	1517.2
150°	1546.8	1547.2	1547.0	1546.7	1546.4	1546.1	1546.1	1546.1	1546.1	1546.1	1546.2
152.5°	1572.9	1573.1	1572.6	1572.0	1571.5	1571.0	1571.5	1571.9	1572.4	1572.8	1573.0
155°	1608.2	1607.9	1607.1	1606.2	1605.3	1604.5	1605.6	1606.8	1607.9	1609.1	1609.2
157.5°	1638.3	1637.7	1636.7	1635.7	1634.8	1633.8	1635.3	1636.8	1638.3	1639.8	1639.8
160°	1654.2	1653.6	1653.3	1653.0	1652.7	1652.5	1654.2	1655.9	1657.6	1659.4	1659.4
162.5°	1669.9	1669.2	1668.9	1668.6	1668.3	1668.0	1669.7	1671.5	1673.2	1674.9	1674.8
165°	1689.5	1688.8	1688.8	1688.8	1688.8	1688.8	1691.1	1693.4	1695.7	1698.0	1697.8
167.5°	1705.9	1705.0	1704.9	1704.7	1704.5	1704.3	1706.9	1709.4	1711.9	1714.5	1714.3
170°	1714.3	1713.6	1713.8	1714.1	1714.4	1714.7	1717.0	1719.3	1721.6	1723.9	1723.6
172.5°	1720.5	1719.8	1720.1	1720.4	1720.6	1720.9	1723.2	1725.5	1727.9	1730.2	1729.8
175°	1727.2	1726.5	1726.8	1727.1	1727.4	1727.7	1730.3	1732.9	1735.5	1738.1	1737.6
177.5°	1730.8	1730.2	1730.7	1731.2	1731.6	1732.1	1733.9	1735.8	1737.6	1739.5	1739.0
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	560.7	561.1	559.8	559.4	559.8	561.1	560.7	561.8	562.0	563.6	563.0
5°	520.2	519.7	518.5	518.8	518.5	519.7	520.2	522.1	523.0	526.8	526.3
7.5°	485.5	483.7	484.2	482.3	484.2	483.7	485.5	487.2	490.1	491.8	495.9
10°	464.3	461.7	459.6	457.7	459.6	461.7	464.3	465.3	469.3	471.2	475.2
12.5°	435.4	433.1	430.3	430.8	430.3	433.1	435.4	439.5	444.7	448.7	455.0
15°	394.3	390.7	385.1	385.8	385.1	390.7	394.3	397.4	402.6	411.6	415.8
17.5°	359.5	359.5	356.9	357.6	356.9	359.5	359.5	363.7	366.4	372.1	378.6
20°	341.5	339.9	340.1	339.4	340.1	339.9	341.5	346.5	349.3	353.3	360.4
22.5°	329.0	327.0	325.3	323.9	325.3	327.0	329.0	330.4	334.2	338.0	343.8
25°	307.9	306.5	304.4	303.9	304.4	306.5	307.9	310.0	311.9	316.9	320.4
27.5°	289.3	289.1	288.2	287.1	288.2	289.1	289.3	291.2	293.7	296.9	301.4
30°	278.6	278.1	277.6	276.9	277.6	278.1	278.6	280.5	282.3	284.9	288.5
32.5°	268.9	268.6	268.1	268.2	268.1	268.6	268.9	269.8	271.0	274.3	277.1
35°	255.1	254.9	254.4	254.2	254.4	254.9	255.1	256.1	256.8	257.7	260.1
37.5°	242.3	242.9	242.6	242.5	242.6	242.9	242.3	242.5	241.7	243.4	245.0
40°	233.4	233.6	234.1	233.8	234.1	233.6	233.4	233.6	233.6	233.6	235.0
42.5°	226.0	226.0	226.7	225.9	226.7	226.0	226.0	225.1	223.9	224.1	224.6
45°	212.8	214.2	213.9	213.9	213.9	214.2	212.8	211.1	210.9	209.9	209.9
47.5°	198.3	199.6	199.9	199.8	199.9	199.6	198.3	197.7	196.6	195.7	195.6
50°	188.9	188.4	189.1	188.9	189.1	188.4	188.9	187.7	186.0	186.0	185.5
52.5°	177.3	177.4	177.4	177.1	177.4	177.4	177.3	176.7	176.0	175.2	174.9
55°	159.5	159.8	159.3	159.5	159.3	159.8	159.5	159.3	159.3	158.8	159.3
57.5°	140.2	139.1	139.5	139.0	139.5	139.1	140.2	141.2	141.6	141.7	142.4
60°	126.4	124.5	124.0	123.1	124.0	124.5	126.4	128.7	129.7	130.2	130.9
62.5°	110.9	109.5	107.9	108.7	107.9	109.5	110.9	113.4	115.5	117.1	118.8
65°	90.2	89.2	88.5	89.5	88.5	89.2	90.2	92.1	94.0	97.7	101.3
67.5°	74.6	74.1	74.1	73.7	74.1	74.1	74.6	75.6	76.8	78.9	82.2
70°	66.5	65.8	65.8	65.3	65.8	65.8	66.5	66.5	67.7	68.6	71.0
72.5°	58.2	57.5	57.7	57.4	57.7	57.5	58.2	58.4	59.5	59.9	61.0
75°	43.1	41.9	41.9	42.1	41.9	41.9	43.1	44.5	45.7	47.8	48.3
77.5°	32.1	31.9	32.2	31.8	32.2	31.9	32.1	32.1	32.4	33.4	34.2
80°	26.3	26.0	25.8	26.5	25.8	26.0	26.3	26.3	26.5	26.7	27.0
82.5°	20.4	20.4	20.3	21.2	20.3	20.4	20.4	20.8	20.8	20.7	20.9
85°	12.3	11.8	12.3	11.8	12.3	11.8	12.3	12.1	12.3	12.1	12.3
87.5°	11.8	11.7	11.6	11.9	11.6	11.7	11.8	11.3	11.1	11.1	10.6
90°	37.2	37.8	38.3	38.9	38.3	37.8	37.2	36.6	35.5	33.7	32.0
92.5°	35.5	35.6	35.7	35.8	35.7	35.6	35.5	35.3	34.4	32.7	31.0
95°	36.7	37.0	37.3	37.6	37.3	37.0	36.7	36.5	35.5	33.7	32.0
97.5°	35.5	35.7	36.0	36.3	36.0	35.7	35.5	35.2	34.9	34.8	34.6
100°	35.5	35.7	36.0	36.3	36.0	35.7	35.5	35.2	37.5	42.4	47.3
102.5°	37.2	37.2	37.3	37.4	37.3	37.2	37.2	37.1	63.5	116.4	169.3
105°	400.8	390.4	380.0	369.7	380.0	390.4	400.8	411.2	415.1	412.5	409.9
107.5°	511.9	513.0	514.1	515.2	514.1	513.0	511.9	510.8	509.6	508.4	507.1
110°	575.9	576.8	577.6	578.5	577.6	576.8	575.9	575.0	574.3	573.7	573.2



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	638.5	639.6	640.7	641.8	640.7	639.6	638.5	637.4	636.9	637.0	637.1
115°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	733.8	733.3	732.7
117.5°	828.4	828.3	828.2	828.0	828.2	828.3	828.4	828.5	828.6	828.7	828.8
120°	888.9	888.3	887.8	887.2	887.8	888.3	888.9	889.5	889.5	888.9	888.3
122.5°	947.0	946.4	945.9	945.3	945.9	946.4	947.0	947.6	947.7	947.4	947.0
125°	1031.6	1031.9	1032.2	1032.5	1032.2	1031.9	1031.6	1031.3	1030.7	1029.9	1029.0
127.5°	1109.7	1109.4	1109.2	1109.0	1109.2	1109.4	1109.7	1109.9	1110.1	1110.3	1110.5
130°	1160.9	1160.9	1160.9	1160.9	1160.9	1160.9	1160.9	1160.9	1160.7	1160.4	1160.1
132.5°	1209.3	1209.1	1208.8	1208.6	1208.8	1209.1	1209.3	1209.5	1209.5	1209.2	1208.9
135°	1278.5	1279.0	1279.6	1280.2	1279.6	1279.0	1278.5	1277.9	1277.3	1276.7	1276.2
137.5°	1341.9	1341.8	1341.6	1341.4	1341.6	1341.8	1341.9	1342.1	1341.9	1341.2	1340.6
140°	1383.1	1383.4	1383.7	1384.0	1383.7	1383.4	1383.1	1382.8	1382.2	1381.4	1380.5
142.5°	1419.1	1419.1	1419.2	1419.2	1419.2	1419.1	1419.1	1419.0	1418.7	1418.0	1417.4
145°	1471.7	1472.3	1472.9	1473.5	1472.9	1472.3	1471.7	1471.2	1470.7	1470.4	1470.1
147.5°	1517.5	1517.8	1518.0	1518.3	1518.0	1517.8	1517.5	1517.2	1516.9	1516.7	1516.5
150°	1546.5	1546.8	1547.1	1547.4	1547.1	1546.8	1546.5	1546.2	1546.1	1546.1	1546.1
152.5°	1572.8	1572.6	1572.5	1572.3	1572.5	1572.6	1572.8	1573.0	1572.8	1572.4	1571.9
155°	1608.4	1607.5	1606.6	1605.8	1606.6	1607.5	1608.4	1609.2	1609.1	1607.9	1606.8
157.5°	1638.3	1636.8	1635.3	1633.8	1635.3	1636.8	1638.3	1639.8	1639.8	1638.3	1636.8
160°	1657.6	1655.9	1654.2	1652.5	1654.2	1655.9	1657.6	1659.4	1659.4	1657.6	1655.9
162.5°	1672.9	1670.9	1668.9	1667.0	1668.9	1670.9	1672.9	1674.8	1674.9	1673.2	1671.5
165°	1695.3	1692.7	1690.1	1687.5	1690.1	1692.7	1695.3	1697.8	1698.0	1695.7	1693.4
167.5°	1711.4	1708.5	1705.7	1702.8	1705.7	1708.5	1711.4	1714.3	1714.5	1711.9	1709.4
170°	1720.8	1717.9	1715.0	1712.1	1715.0	1717.9	1720.8	1723.6	1723.9	1721.6	1719.3
172.5°	1726.6	1723.5	1720.4	1717.3	1720.4	1723.5	1726.6	1729.8	1730.2	1727.9	1725.5
175°	1734.2	1730.7	1727.2	1723.8	1727.2	1730.7	1734.2	1737.6	1738.1	1735.5	1732.9
177.5°	1736.2	1733.5	1730.7	1727.9	1730.7	1733.5	1736.2	1739.0	1739.5	1737.6	1735.8
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	561.8	563.2	566.2	569.6	572.5	574.9	576.8	579.5	581.9	585.3	588.5
5°	527.8	531.1	535.8	541.5	548.6	553.3	559.2	564.5	572.0	579.6	586.9
7.5°	497.9	501.5	508.5	516.3	524.7	532.5	539.5	548.7	558.7	569.8	582.1
10°	478.5	482.6	490.8	499.8	509.8	517.4	526.8	537.7	549.1	562.6	577.7
12.5°	461.1	465.0	474.9	484.1	494.4	502.8	513.8	524.8	540.0	554.6	571.8
15°	427.2	437.4	448.7	459.6	471.9	482.1	495.3	506.7	521.1	541.7	561.4
17.5°	389.5	400.3	414.5	431.3	447.8	460.4	473.8	487.9	505.1	526.1	548.8
20°	367.5	376.3	391.9	410.6	429.8	447.3	459.6	475.2	493.0	515.7	539.1
22.5°	351.1	358.5	370.7	389.4	410.1	430.4	446.2	461.6	481.2	504.0	529.5
25°	326.4	334.4	345.1	357.8	381.5	403.0	423.6	441.4	462.2	484.9	513.3
27.5°	305.8	312.8	322.6	335.9	351.8	375.5	400.5	420.7	442.1	466.5	494.9
30°	293.7	299.4	307.4	320.9	336.1	357.4	382.7	406.4	427.9	453.2	482.8
32.5°	281.0	287.1	294.9	305.6	321.9	339.8	365.1	391.0	413.9	439.8	468.8
35°	264.1	268.9	276.0	286.8	301.5	317.1	339.6	366.4	390.5	418.2	445.9
37.5°	247.0	252.6	258.2	267.9	279.9	296.7	315.1	342.5	369.2	394.5	421.5
40°	237.4	240.7	246.8	254.7	267.4	282.3	299.6	326.4	353.1	378.2	405.4
42.5°	226.6	230.3	235.5	243.3	254.7	269.3	286.2	309.3	337.2	361.5	386.3
45°	211.6	213.7	218.9	225.5	235.0	249.7	265.3	285.9	312.2	335.4	357.1
47.5°	196.4	198.3	201.5	207.6	218.2	230.0	244.6	263.1	286.1	309.3	327.7
50°	186.0	187.7	190.8	196.4	205.9	217.5	231.9	248.5	269.1	291.3	306.7
52.5°	175.6	176.5	179.4	185.8	193.8	205.2	218.1	233.4	252.6	271.1	286.7
55°	159.0	161.2	163.1	167.8	175.4	186.3	197.9	212.3	227.2	242.8	256.1
57.5°	141.8	144.1	146.8	151.0	157.0	167.1	177.5	189.2	202.0	214.9	226.1
60°	130.4	132.5	134.9	139.6	145.1	153.1	164.5	174.7	184.4	196.2	207.3
62.5°	119.2	121.4	124.1	127.9	133.1	140.8	150.3	159.1	169.2	179.5	187.8
65°	102.7	104.4	106.5	110.1	115.0	121.9	129.7	136.6	145.6	153.1	160.7
67.5°	84.6	87.8	90.5	93.4	97.6	104.0	109.7	116.3	122.4	128.0	134.9
70°	72.7	76.2	78.8	81.9	85.9	91.4	96.8	101.3	106.3	111.7	117.9
72.5°	62.6	65.4	67.5	70.7	74.4	79.4	84.5	88.2	92.3	96.0	102.0
75°	49.5	50.6	52.1	54.7	58.0	61.8	65.8	69.1	71.5	74.8	79.0
77.5°	35.5	37.8	38.8	40.6	43.0	45.3	48.0	50.8	53.1	54.2	57.5
80°	27.2	28.2	29.1	31.7	33.1	35.5	37.4	40.0	40.9	42.1	45.2
82.5°	21.2	21.7	22.3	23.0	23.9	26.2	28.1	29.8	30.7	31.1	33.5
85°	12.3	12.5	12.8	13.0	13.3	13.3	14.2	15.4	17.0	17.0	17.8
87.5°	10.2	10.1	9.6	9.0	8.9	8.4	8.0	7.4	7.3	7.3	7.2
90°	30.3	28.5	26.2	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9
92.5°	29.2	27.5	25.2	22.9	20.6	18.3	17.0	16.9	16.7	16.5	16.3
95°	30.3	28.5	28.2	28.0	27.7	27.4	32.1	41.9	51.7	61.5	71.3
97.5°	34.4	34.2	66.4	98.6	130.7	162.9	175.9	169.8	163.7	157.6	151.5
100°	52.2	57.1	96.8	136.6	176.4	216.2	233.5	228.3	223.1	217.9	212.7
102.5°	222.1	275.0	280.2	285.4	290.5	295.7	296.4	292.6	288.8	285.0	281.2
105°	407.3	404.7	403.2	401.8	400.4	398.9	397.3	395.6	393.9	392.1	390.4
107.5°	505.8	504.6	502.6	500.6	498.7	496.7	495.3	494.4	493.6	492.7	491.8
110°	572.6	572.0	570.3	568.5	566.8	565.1	563.8	562.9	562.1	561.2	560.3



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	637.3	637.4	636.6	635.8	635.0	634.1	633.0	631.4	629.9	628.3	626.7
115°	732.1	731.5	731.8	732.1	732.4	732.7	732.4	731.5	730.7	729.8	728.9
117.5°	829.0	829.1	828.4	827.8	827.2	826.5	825.6	824.5	823.3	822.2	821.0
120°	887.8	887.2	887.5	887.8	888.1	888.3	887.9	886.8	885.6	884.4	883.3
122.5°	946.7	946.3	945.9	945.5	945.1	944.7	944.2	943.5	942.8	942.1	941.4
125°	1028.1	1027.3	1027.8	1028.4	1029.0	1029.6	1029.3	1028.1	1027.0	1025.8	1024.7
127.5°	1110.6	1110.8	1109.5	1108.1	1106.8	1105.5	1104.7	1104.4	1104.1	1103.8	1103.5
130°	1159.9	1159.6	1158.7	1157.8	1157.0	1156.1	1155.5	1155.2	1155.0	1154.7	1154.4
132.5°	1208.6	1208.3	1207.2	1206.1	1205.1	1204.0	1203.1	1202.6	1202.1	1201.6	1201.1
135°	1275.6	1275.0	1273.9	1272.7	1271.5	1270.4	1270.0	1270.3	1270.5	1270.8	1271.1
137.5°	1340.0	1339.3	1338.1	1336.8	1335.5	1334.3	1333.6	1333.5	1333.3	1333.2	1333.1
140°	1379.6	1378.8	1378.2	1377.6	1377.0	1376.5	1375.9	1375.3	1374.7	1374.2	1373.6
142.5°	1416.8	1416.1	1415.8	1415.4	1415.1	1414.7	1414.1	1413.0	1412.0	1410.9	1409.9
145°	1469.9	1469.6	1469.6	1469.6	1469.6	1469.6	1469.1	1468.3	1467.4	1466.5	1465.7
147.5°	1516.2	1516.0	1516.3	1516.6	1516.9	1517.2	1516.5	1514.9	1513.3	1511.6	1510.0
150°	1546.1	1546.1	1546.4	1546.7	1547.0	1547.2	1546.8	1545.7	1544.5	1543.4	1542.2
152.5°	1571.5	1571.0	1571.5	1572.0	1572.6	1573.1	1572.9	1571.9	1571.0	1570.1	1569.2
155°	1605.6	1604.5	1605.3	1606.2	1607.1	1607.9	1608.2	1607.9	1607.6	1607.3	1607.1
157.5°	1635.3	1633.8	1634.8	1635.7	1636.7	1637.7	1638.3	1638.4	1638.6	1638.8	1639.0
160°	1654.2	1652.5	1652.7	1653.0	1653.3	1653.6	1654.2	1655.0	1655.9	1656.8	1657.6
162.5°	1669.7	1668.0	1668.3	1668.6	1668.9	1669.2	1669.9	1671.0	1672.1	1673.1	1674.2
165°	1691.1	1688.8	1688.8	1688.8	1688.8	1688.8	1689.5	1690.9	1692.4	1693.8	1695.3
167.5°	1706.9	1704.3	1704.5	1704.7	1704.9	1705.0	1705.9	1707.4	1708.9	1710.4	1711.9
170°	1717.0	1714.7	1714.4	1714.1	1713.8	1713.6	1714.3	1716.0	1717.7	1719.5	1721.2
172.5°	1723.2	1720.9	1720.6	1720.4	1720.1	1719.8	1720.5	1722.2	1724.0	1725.7	1727.4
175°	1730.3	1727.7	1727.4	1727.1	1726.8	1726.5	1727.2	1729.0	1730.7	1732.4	1734.2
177.5°	1733.9	1732.1	1731.6	1731.2	1730.7	1730.2	1730.8	1732.4	1734.0	1735.7	1737.3
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P333027

CATALOG NUMBER: S124RDIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	591.0	592.7	594.6	598.2	601.2	602.6	605.2	607.1	606.5	609.2	613.7
5°	593.3	599.7	607.1	614.6	623.1	630.2	635.9	641.6	646.1	651.5	659.6
7.5°	592.9	604.3	616.7	630.2	644.2	656.3	667.4	678.8	688.9	699.9	714.4
10°	591.4	606.6	622.0	639.7	657.5	674.3	689.4	703.6	717.1	731.5	749.8
12.5°	589.7	607.1	625.7	647.1	669.2	689.4	707.2	727.7	744.6	763.2	784.2
15°	582.2	605.6	631.0	658.6	685.2	712.4	736.7	761.8	785.3	807.5	834.0
17.5°	573.6	600.6	630.5	663.2	695.0	728.1	757.1	788.7	812.6	842.5	867.1
20°	566.6	595.7	627.6	664.3	700.5	737.2	769.2	801.4	828.3	858.4	889.6
22.5°	558.1	590.0	624.6	662.6	700.5	740.6	776.0	808.0	841.4	875.2	907.4
25°	544.3	577.5	614.2	655.8	699.4	740.3	778.2	817.9	853.9	890.6	919.5
27.5°	527.5	562.3	600.9	643.9	688.6	730.5	775.1	817.5	853.7	889.0	914.2
30°	514.0	550.7	587.9	631.4	677.8	722.8	770.6	813.0	851.1	882.8	897.0
32.5°	500.2	535.0	573.3	617.4	664.9	713.3	760.7	804.1	839.3	858.3	858.7
35°	476.2	508.8	548.6	591.9	640.7	693.2	741.2	783.8	805.4	807.0	783.8
37.5°	450.0	479.9	517.4	560.8	614.2	666.5	715.5	743.9	751.1	727.0	684.2
40°	431.2	458.9	495.1	539.6	592.6	646.6	691.3	712.1	704.6	665.5	617.7
42.5°	411.5	437.3	472.2	516.1	569.3	623.9	662.0	673.1	653.1	608.0	552.0
45°	379.4	403.0	437.6	481.9	533.0	584.1	613.0	607.3	573.9	520.4	457.7
47.5°	345.9	368.8	399.9	440.8	493.2	537.3	556.8	539.7	492.2	433.4	382.4
50°	323.8	347.2	375.8	414.9	462.7	505.3	517.8	491.8	439.0	382.5	335.6
52.5°	302.0	322.0	350.1	387.8	433.5	469.5	476.2	446.2	391.7	341.0	299.4
55°	268.9	287.1	310.7	346.2	385.8	416.3	412.7	374.2	324.7	281.4	248.7
57.5°	236.8	250.5	272.4	305.7	340.4	360.9	347.9	315.0	268.9	233.4	205.9
60°	215.6	228.4	248.7	277.8	308.4	320.0	309.1	273.4	236.9	204.5	181.3
62.5°	195.5	206.8	224.3	251.3	276.0	282.9	271.2	240.0	207.2	179.5	160.3
65°	166.4	176.8	191.7	210.9	227.9	231.2	223.7	191.7	166.9	143.7	130.4
67.5°	139.9	146.7	158.4	174.9	184.0	185.9	171.3	151.2	129.3	115.1	105.1
70°	122.1	126.9	137.7	146.7	154.1	154.3	140.8	124.7	107.9	96.3	89.0
72.5°	104.9	109.4	117.7	123.8	129.5	127.6	115.3	102.6	89.0	80.2	74.8
75°	80.9	85.0	89.2	92.1	92.1	89.7	80.7	71.2	63.4	58.2	56.6
77.5°	58.8	62.1	63.6	63.1	62.3	58.6	52.9	46.7	43.9	41.5	40.2
80°	46.2	47.6	48.0	46.9	45.4	41.2	37.4	34.8	32.2	31.2	30.8
82.5°	34.2	35.5	34.2	34.6	31.4	27.9	25.8	24.9	23.9	23.5	23.0
85°	18.2	18.0	17.5	16.3	14.2	13.7	13.5	13.3	12.8	13.0	12.5
87.5°	7.7	7.7	7.6	8.0	8.6	8.7	9.3	9.8	10.3	10.4	11.1
90°	7.1	10.2	13.4	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0
92.5°	16.5	16.7	16.9	17.0	18.3	20.6	22.9	25.2	27.5	29.2	31.0
95°	61.5	51.7	41.9	32.1	27.4	27.7	28.0	28.2	28.5	30.3	32.0
97.5°	157.6	163.7	169.8	175.9	162.9	130.7	98.6	66.4	34.2	34.4	34.6
100°	217.9	223.1	228.3	233.5	216.2	176.4	136.6	96.8	57.1	52.2	47.3
102.5°	285.0	288.8	292.6	296.4	295.7	290.5	285.4	280.2	275.0	222.1	169.3
105°	392.1	393.9	395.6	397.3	398.9	400.4	401.8	403.2	404.7	407.3	409.9
107.5°	492.7	493.6	494.4	495.3	496.7	498.7	500.6	502.6	504.6	505.8	507.1
110°	561.2	562.1	562.9	563.8	565.1	566.8	568.5	570.3	572.0	572.6	573.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	628.3	629.9	631.4	633.0	634.1	635.0	635.8	636.6	637.4	637.3	637.1
115°	729.8	730.7	731.5	732.4	732.7	732.4	732.1	731.8	731.5	732.1	732.7
117.5°	822.2	823.3	824.5	825.6	826.5	827.2	827.8	828.4	829.1	829.0	828.8
120°	884.4	885.6	886.8	887.9	888.3	888.1	887.8	887.5	887.2	887.8	888.3
122.5°	942.1	942.8	943.5	944.2	944.7	945.1	945.5	945.9	946.3	946.7	947.0
125°	1025.8	1027.0	1028.1	1029.3	1029.6	1029.0	1028.4	1027.8	1027.3	1028.1	1029.0
127.5°	1103.8	1104.1	1104.4	1104.7	1105.5	1106.8	1108.1	1109.5	1110.8	1110.6	1110.5
130°	1154.7	1155.0	1155.2	1155.5	1156.1	1157.0	1157.8	1158.7	1159.6	1159.9	1160.1
132.5°	1201.6	1202.1	1202.6	1203.1	1204.0	1205.1	1206.1	1207.2	1208.3	1208.6	1208.9
135°	1270.8	1270.5	1270.3	1270.0	1270.4	1271.5	1272.7	1273.9	1275.0	1275.6	1276.2
137.5°	1333.2	1333.3	1333.5	1333.6	1334.3	1335.5	1336.8	1338.1	1339.3	1340.0	1340.6
140°	1374.2	1374.7	1375.3	1375.9	1376.5	1377.0	1377.6	1378.2	1378.8	1379.6	1380.5
142.5°	1410.9	1412.0	1413.0	1414.1	1414.7	1415.1	1415.4	1415.8	1416.1	1416.8	1417.4
145°	1466.5	1467.4	1468.3	1469.1	1469.6	1469.6	1469.6	1469.6	1469.6	1469.9	1470.1
147.5°	1511.6	1513.3	1514.9	1516.5	1517.2	1516.9	1516.6	1516.3	1516.0	1516.2	1516.5
150°	1543.4	1544.5	1545.7	1546.8	1547.2	1547.0	1546.7	1546.4	1546.1	1546.1	1546.1
152.5°	1570.1	1571.0	1571.9	1572.9	1573.1	1572.6	1572.0	1571.5	1571.0	1571.5	1571.9
155°	1607.3	1607.6	1607.9	1608.2	1607.9	1607.1	1606.2	1605.3	1604.5	1605.6	1606.8
157.5°	1638.8	1638.6	1638.4	1638.3	1637.7	1636.7	1635.7	1634.8	1633.8	1635.3	1636.8
160°	1656.8	1655.9	1655.0	1654.2	1653.6	1653.3	1653.0	1652.7	1652.5	1654.2	1655.9
162.5°	1673.1	1672.1	1671.0	1669.9	1669.2	1668.9	1668.6	1668.3	1668.0	1669.7	1671.5
165°	1693.8	1692.4	1690.9	1689.5	1688.8	1688.8	1688.8	1688.8	1688.8	1691.1	1693.4
167.5°	1710.4	1708.9	1707.4	1705.9	1705.0	1704.9	1704.7	1704.5	1704.3	1706.9	1709.4
170°	1719.5	1717.7	1716.0	1714.3	1713.6	1713.8	1714.1	1714.4	1714.7	1717.0	1719.3
172.5°	1725.7	1724.0	1722.2	1720.5	1719.8	1720.1	1720.4	1720.6	1720.9	1723.2	1725.5
175°	1732.4	1730.7	1729.0	1727.2	1726.5	1726.8	1727.1	1727.4	1727.7	1730.3	1732.9
177.5°	1735.7	1734.0	1732.4	1730.8	1730.2	1730.7	1731.2	1731.6	1732.1	1733.9	1735.8
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	616.2	616.9	617.5	619.4	619.6	621.3	619.6
5°	667.2	670.5	675.7	680.9	681.4	684.7	678.8
7.5°	724.3	732.0	736.8	745.2	748.5	750.6	747.2
10°	763.7	770.8	783.4	789.5	795.7	796.6	793.8
12.5°	801.8	813.0	822.9	834.6	834.3	842.6	839.6
15°	852.5	864.1	877.8	890.8	895.5	895.5	899.3
17.5°	888.6	909.9	924.1	934.3	945.5	947.4	946.1
20°	913.1	936.0	951.2	964.4	972.0	974.1	974.1
22.5°	931.2	950.8	965.6	977.5	983.7	986.2	985.5
25°	943.8	960.6	969.6	973.2	974.8	974.4	969.9
27.5°	926.6	925.8	920.2	909.3	901.1	896.1	890.4
30°	893.7	881.3	867.1	851.5	831.4	816.0	811.3
32.5°	844.6	817.0	792.9	766.9	745.3	729.9	723.4
35°	749.8	706.0	670.2	639.0	616.3	602.1	597.3
37.5°	637.2	594.8	550.6	520.3	501.4	487.1	481.8
40°	565.6	519.5	480.9	452.5	433.1	419.1	418.9
42.5°	500.3	456.2	419.9	399.5	378.6	369.3	369.3
45°	409.7	374.4	343.6	327.5	315.0	307.4	305.3
47.5°	339.2	310.0	289.5	276.7	266.5	261.7	258.5
50°	299.6	274.1	257.7	246.6	240.9	234.8	234.3
52.5°	266.7	246.0	233.3	224.3	217.1	213.4	213.5
55°	224.1	207.8	198.8	191.9	186.3	183.4	182.2
57.5°	188.8	176.6	170.0	163.7	161.3	159.1	158.5
60°	166.9	158.6	152.4	147.4	143.9	143.2	142.9
62.5°	148.7	140.0	135.8	131.9	129.3	128.2	127.8
65°	122.6	116.2	112.4	109.3	108.4	106.7	106.5
67.5°	98.8	95.0	92.5	90.4	89.1	89.0	89.0
70°	84.3	82.1	80.0	78.8	78.1	77.6	77.6
72.5°	71.8	70.2	68.4	67.8	67.7	67.2	67.0
75°	54.7	53.0	53.3	52.1	51.1	49.9	49.2
77.5°	38.8	37.6	37.3	37.2	36.4	36.3	36.6
80°	30.1	28.9	28.6	28.9	28.6	27.9	27.9
82.5°	22.9	21.9	21.6	21.5	21.3	21.5	21.1
85°	12.3	11.8	11.8	11.8	12.3	12.1	11.8
87.5°	11.1	11.3	11.7	11.6	11.7	11.6	11.9
90°	33.7	35.5	36.6	37.2	37.8	38.3	38.9
92.5°	32.7	34.4	35.3	35.5	35.6	35.7	35.8
95°	33.7	35.5	36.5	36.7	37.0	37.3	37.6
97.5°	34.8	34.9	35.2	35.5	35.7	36.0	36.3
100°	42.4	37.5	35.2	35.5	35.7	36.0	36.3
102.5°	116.4	63.5	37.1	37.2	37.2	37.3	37.4
105°	412.5	415.1	411.2	400.8	390.4	380.0	369.7
107.5°	508.4	509.6	510.8	511.9	513.0	514.1	515.2
110°	573.7	574.3	575.0	575.9	576.8	577.6	578.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	637.0	636.9	637.4	638.5	639.6	640.7	641.8
115°	733.3	733.8	734.1	734.1	734.1	734.1	734.1
117.5°	828.7	828.6	828.5	828.4	828.3	828.2	828.0
120°	888.9	889.5	889.5	888.9	888.3	887.8	887.2
122.5°	947.4	947.7	947.6	947.0	946.4	945.9	945.3
125°	1029.9	1030.7	1031.3	1031.6	1031.9	1032.2	1032.5
127.5°	1110.3	1110.1	1109.9	1109.7	1109.4	1109.2	1109.0
130°	1160.4	1160.7	1160.9	1160.9	1160.9	1160.9	1160.9
132.5°	1209.2	1209.5	1209.5	1209.3	1209.1	1208.8	1208.6
135°	1276.7	1277.3	1277.9	1278.5	1279.0	1279.6	1280.2
137.5°	1341.2	1341.9	1342.1	1341.9	1341.8	1341.6	1341.4
140°	1381.4	1382.2	1382.8	1383.1	1383.4	1383.7	1384.0
142.5°	1418.0	1418.7	1419.0	1419.1	1419.1	1419.2	1419.2
145°	1470.4	1470.7	1471.2	1471.7	1472.3	1472.9	1473.5
147.5°	1516.7	1516.9	1517.2	1517.5	1517.8	1518.0	1518.3
150°	1546.1	1546.1	1546.2	1546.5	1546.8	1547.1	1547.4
152.5°	1572.4	1572.8	1573.0	1572.8	1572.6	1572.5	1572.3
155°	1607.9	1609.1	1609.2	1608.4	1607.5	1606.6	1605.8
157.5°	1638.3	1639.8	1639.8	1638.3	1636.8	1635.3	1633.8
160°	1657.6	1659.4	1659.4	1657.6	1655.9	1654.2	1652.5
162.5°	1673.2	1674.9	1674.8	1672.9	1670.9	1668.9	1667.0
165°	1695.7	1698.0	1697.8	1695.3	1692.7	1690.1	1687.5
167.5°	1711.9	1714.5	1714.3	1711.4	1708.5	1705.7	1702.8
170°	1721.6	1723.9	1723.6	1720.8	1717.9	1715.0	1712.1
172.5°	1727.9	1730.2	1729.8	1726.6	1723.5	1720.4	1717.3
175°	1735.5	1738.1	1737.6	1734.2	1730.7	1727.2	1723.8
177.5°	1737.6	1739.5	1739.0	1736.2	1733.5	1730.7	1727.9
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2

(END OF REPORT)