

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: P332740-940

Luminaire Tested: **S124DIW-S350D1560U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332740-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S350D1560U940-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6234.1 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

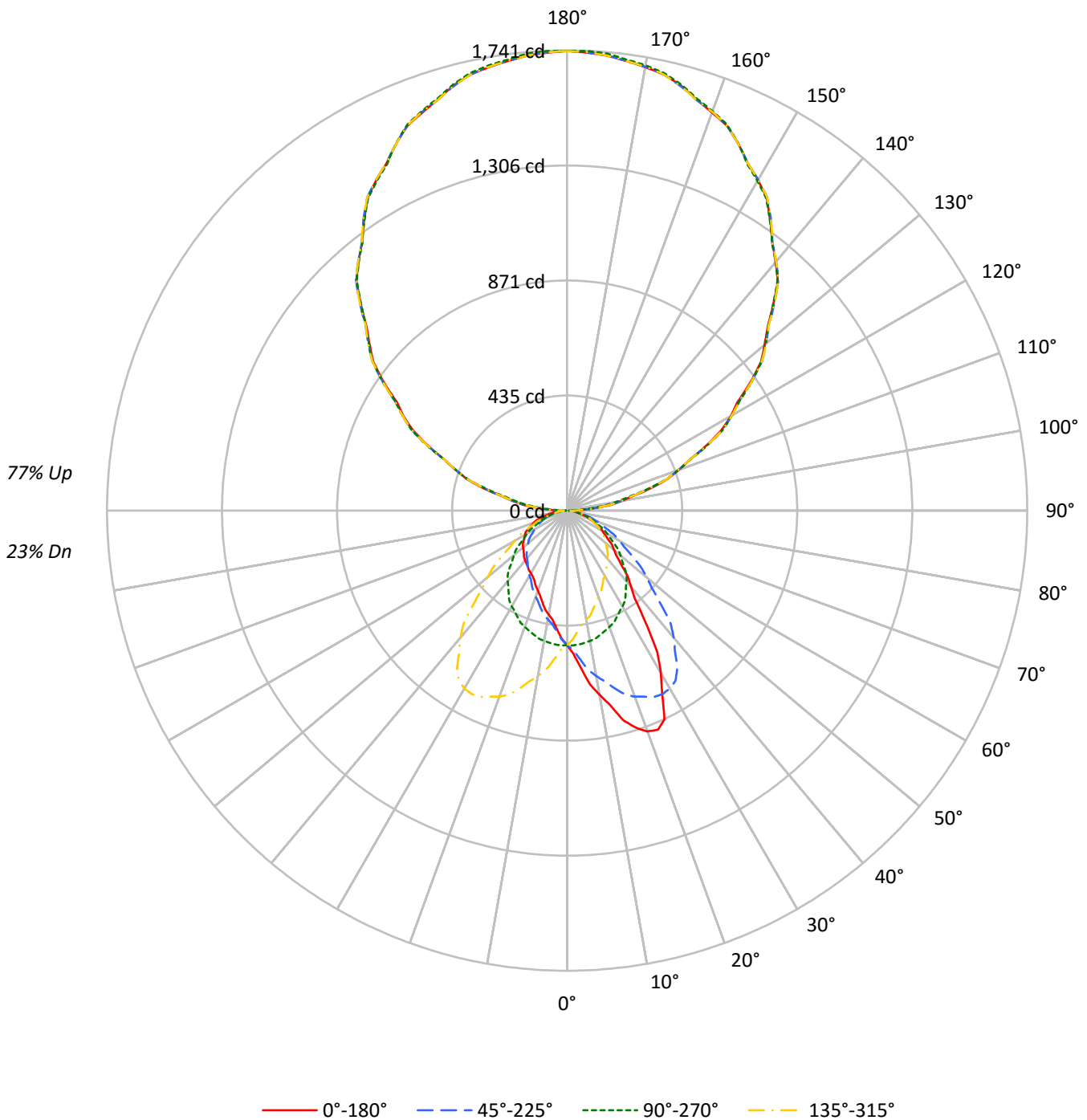
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	27	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	41	36	37	32	28	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	38	31	26	44	34	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	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4112	4112	4112	4112
5°	4843	4123	3639	4123
10°	5799	4105	3277	4105
15°	6861	4064	3010	4064
20°	7640	4021	2770	4021
25°	7764	3958	2605	3958
30°	6605	3899	2553	3899
35°	5078	3802	2553	3802
40°	3959	3687	2602	3687
45°	3301	3515	2646	3515
50°	2905	3304	2735	3304
55°	2662	3054	2846	3054
60°	2493	2827	2977	2827
65°	2321	2575	3089	2575
70°	2122	2325	3158	2325
75°	1896	2046	3119	2046
80°	1590	1678	3022	1678
85°	1176	1213	2890	1213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	0.8
10°-20°	153.0	2.5
20°-30°	242.6	3.9
30°-40°	270.0	4.3
40°-50°	245.7	3.9
50°-60°	200.8	3.2
60°-70°	143.4	2.3
70°-80°	78.9	1.3
80°-90°	26.7	0.4
90°-100°	114.7	1.8
100°-110°	339.7	5.4
110°-120°	576.5	9.2
120°-130°	760.2	12.2
130°-140°	853.8	13.7
140°-150°	839.0	13.5
150°-160°	705.6	11.3
160°-170°	469.5	7.5
170°-180°	164.4	2.6
0°-30°	445.2	7.1
0°-40°	715.2	11.5
0°-60°	1161.7	18.6
0°-90°	1410.8	22.6
90°-120°	1030.9	16.5
90°-150°	3483.9	55.9
90°-180°	4823.0	77.4
0°-180°	6234.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	509	509	509	509	509	
5°	598	509	449	509	598	61
15°	821	486	360	486	821	232
25°	872	444	292	444	872	384
35°	515	386	259	386	515	327
45°	289	308	232	308	289	228
55°	189	217	202	217	189	171
65°	122	135	162	135	122	120
75°	61	66	100	66	61	65
85°	13	13	31	13	13	17
90°	40	4	40	4	40	21
95°	106	81	106	81	106	111
105°	328	313	328	313	328	346
115°	581	586	581	586	581	574
125°	847	854	847	854	847	756
135°	1102	1101	1102	1101	1102	851
145°	1339	1338	1339	1338	1339	838
155°	1531	1533	1531	1533	1531	705
165°	1665	1669	1665	1669	1665	469
175°	1728	1736	1728	1736	1728	164
180°	1738	1738	1738	1738	1738	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	542.2	542.1	540.4	540.0	538.9	537.3	537.0	534.2	528.9	526.3	525.7
5°	597.6	601.9	596.4	595.3	594.7	587.7	584.2	580.0	570.2	564.5	560.1
7.5°	663.9	664.3	661.9	660.0	654.6	648.5	639.4	629.7	618.1	606.2	597.1
10°	707.4	709.1	706.3	706.0	695.2	688.4	674.9	663.5	650.4	635.9	622.6
12.5°	753.3	751.0	749.6	740.6	738.5	726.2	710.5	698.8	678.6	661.8	644.2
15°	820.9	816.3	813.3	800.9	794.8	777.7	761.0	748.1	721.8	696.6	677.6
17.5°	860.6	865.2	858.4	853.3	837.5	825.5	808.4	781.4	760.8	729.6	705.6
20°	889.3	889.7	885.9	880.7	868.3	853.0	834.5	804.9	780.2	749.2	716.2
22.5°	897.1	897.2	895.5	890.6	881.2	868.9	850.2	825.5	795.6	761.9	728.9
25°	871.6	870.8	872.6	878.2	874.6	870.8	860.0	841.6	813.8	778.1	742.6
27.5°	776.9	782.7	793.4	806.9	819.9	829.8	832.6	828.8	811.6	782.3	745.1
30°	708.6	715.9	723.9	737.4	763.6	778.6	795.0	807.4	800.5	777.0	742.4
32.5°	633.7	635.5	647.4	662.7	686.7	715.5	741.6	767.0	775.3	763.0	734.1
35°	515.3	518.4	531.2	546.4	575.7	611.0	650.2	685.3	714.2	725.8	711.0
37.5°	420.5	429.0	438.1	454.4	480.3	512.0	552.8	598.2	641.2	670.1	675.0
40°	375.7	380.9	387.4	399.9	421.9	453.1	488.1	540.0	585.9	627.2	640.7
42.5°	340.2	343.3	347.3	358.6	375.2	406.4	438.4	484.0	529.9	579.4	602.1
45°	289.1	292.3	299.1	305.6	318.3	339.7	369.5	407.1	453.3	501.0	542.8
47.5°	252.3	254.2	258.2	265.3	276.1	290.3	314.4	345.8	388.6	435.0	479.5
50°	231.3	233.0	236.1	242.5	250.7	263.4	283.2	312.5	346.1	392.7	436.4
52.5°	214.7	215.4	217.8	222.0	228.6	239.2	255.6	279.8	311.0	352.6	396.1
55°	189.1	189.9	192.1	195.2	200.9	207.7	220.1	238.3	265.5	301.6	339.4
57.5°	168.0	168.6	170.3	171.6	176.3	181.7	191.4	204.3	224.9	255.6	289.3
60°	154.4	154.1	156.1	157.2	160.4	165.1	172.5	184.9	202.8	227.5	258.5
62.5°	141.3	140.7	142.5	143.9	145.7	149.6	155.7	165.4	180.0	202.3	229.2
65°	121.5	120.7	121.8	123.5	125.1	127.2	131.7	140.4	151.9	168.0	188.4
67.5°	101.7	102.6	102.8	103.6	104.6	107.5	110.5	116.6	124.8	137.7	155.0
70°	89.9	90.2	91.0	91.0	91.6	94.2	96.7	100.2	108.3	120.1	134.2
72.5°	78.1	79.0	78.6	79.3	79.8	81.5	83.3	86.8	93.5	102.4	114.3
75°	60.8	61.4	61.4	61.6	62.2	62.9	64.4	66.9	71.8	78.3	86.5
77.5°	44.3	44.4	44.7	45.5	45.5	46.5	47.5	49.6	52.0	56.4	61.5
80°	34.2	34.6	34.4	34.9	34.9	35.7	36.1	38.6	39.7	42.6	46.6
82.5°	25.1	25.5	25.4	26.0	26.4	26.6	27.1	28.2	29.2	31.8	33.4
85°	12.7	13.1	12.7	13.1	13.7	13.9	14.5	14.8	15.6	16.2	17.7
87.5°	11.8	12.1	12.0	12.1	12.3	12.2	12.0	11.5	11.9	11.7	11.9
90°	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2	31.4	29.6	27.2
92.5°	59.7	59.3	58.9	58.6	58.2	57.5	56.4	55.4	54.3	53.2	51.5
95°	106.2	106.2	106.2	106.2	106.2	105.8	104.9	104.0	103.1	102.2	100.1
97.5°	166.5	166.5	166.5	166.5	166.5	165.9	164.9	163.8	162.6	161.6	159.2
100°	208.4	208.4	208.4	208.4	208.4	208.1	207.5	206.9	206.3	205.7	203.0
102.5°	255.7	255.5	255.3	255.0	254.8	254.2	253.4	252.5	251.7	250.9	248.4
105°	328.1	327.2	326.3	325.4	324.5	323.6	322.7	321.8	320.9	320.0	318.8
107.5°	398.5	398.6	398.7	398.7	398.8	398.4	397.5	396.7	395.8	395.0	394.8
110°	449.1	448.2	447.3	446.4	445.5	445.3	445.9	446.6	447.1	447.7	448.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	500.7	500.5	500.3	500.2	500.0	500.0	500.1	500.2	500.3	500.4	501.0
115°	580.9	581.1	581.5	581.8	582.0	582.4	582.6	582.9	583.3	583.5	584.2
117.5°	657.2	657.8	658.4	659.0	659.6	660.4	661.5	662.5	663.4	664.5	664.9
120°	715.3	714.7	714.1	713.5	712.9	713.4	714.9	716.3	717.8	719.3	720.2
122.5°	763.8	764.8	765.9	767.0	768.0	769.1	770.1	771.1	772.1	773.1	773.6
125°	847.0	847.7	848.3	848.8	849.4	850.1	850.7	851.2	851.9	852.5	852.7
127.5°	924.3	924.7	925.2	925.7	926.1	926.7	927.3	927.9	928.4	929.1	929.6
130°	974.8	976.0	977.2	978.4	979.5	980.4	981.1	981.7	982.3	982.8	982.8
132.5°	1028.6	1029.0	1029.6	1030.0	1030.5	1031.0	1031.6	1032.2	1032.9	1033.4	1033.7
135°	1102.5	1103.4	1104.3	1105.2	1106.1	1106.9	1107.5	1108.0	1108.7	1109.3	1109.3
137.5°	1180.3	1180.1	1179.9	1179.7	1179.6	1179.8	1180.6	1181.4	1182.1	1182.9	1182.5
140°	1227.6	1227.9	1228.2	1228.5	1228.8	1229.0	1229.4	1229.7	1229.9	1230.3	1230.3
142.5°	1274.9	1275.0	1275.1	1275.1	1275.1	1275.2	1275.2	1275.3	1275.4	1275.4	1275.7
145°	1339.2	1340.1	1341.0	1341.8	1342.7	1343.4	1343.6	1344.0	1344.3	1344.5	1344.3
147.5°	1404.3	1404.5	1404.9	1405.2	1405.4	1405.7	1406.0	1406.2	1406.4	1406.7	1406.9
150°	1444.0	1444.4	1444.7	1444.9	1445.3	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4
152.5°	1480.6	1481.4	1482.2	1482.9	1483.7	1483.7	1483.0	1482.3	1481.6	1480.9	1480.7
155°	1531.4	1532.7	1533.8	1535.0	1536.2	1536.2	1535.0	1533.8	1532.7	1531.4	1531.8
157.5°	1576.9	1577.9	1579.0	1579.9	1580.9	1581.0	1580.1	1579.2	1578.3	1577.4	1577.5
160°	1602.7	1604.2	1605.7	1607.2	1608.6	1609.0	1608.1	1607.2	1606.3	1605.4	1605.7
162.5°	1629.6	1631.1	1632.6	1634.1	1635.6	1635.5	1633.9	1632.3	1630.7	1629.1	1629.3
165°	1664.6	1665.7	1667.0	1668.1	1669.4	1669.0	1667.2	1665.4	1663.7	1661.9	1662.5
167.5°	1689.5	1691.4	1693.3	1695.1	1697.0	1697.0	1695.2	1693.4	1691.7	1689.9	1689.8
170°	1703.5	1705.7	1707.7	1709.9	1711.9	1712.1	1710.3	1708.5	1706.6	1704.9	1704.6
172.5°	1715.4	1717.4	1719.6	1721.6	1723.8	1723.8	1721.7	1719.8	1717.7	1715.7	1715.6
175°	1727.8	1729.8	1732.0	1734.0	1736.2	1736.2	1734.0	1732.0	1729.8	1727.8	1728.0
177.5°	1734.2	1736.2	1738.0	1739.9	1741.9	1742.0	1740.3	1738.7	1737.0	1735.3	1735.3
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	525.8	523.4	521.7	520.4	516.7	514.5	512.8	510.5	507.7	504.9	501.3
5°	555.6	548.5	543.2	535.2	527.6	521.3	514.7	508.8	501.7	493.8	488.1
7.5°	587.0	576.3	562.7	550.8	537.4	525.8	515.5	504.9	493.8	483.0	473.2
10°	607.0	593.3	578.0	560.1	543.2	528.2	514.3	500.8	487.7	474.7	463.4
12.5°	628.4	611.3	588.8	567.8	548.9	528.9	512.1	495.5	479.7	466.0	453.0
15°	657.2	632.5	606.5	578.5	553.6	530.1	507.1	486.2	468.5	450.3	437.7
17.5°	674.8	644.3	614.7	585.3	555.2	525.6	500.8	476.7	454.5	436.5	420.5
20°	686.5	656.1	619.2	589.9	554.0	523.6	494.9	468.1	444.9	425.7	409.2
22.5°	696.6	661.6	624.6	585.9	550.3	518.0	486.6	459.7	436.0	415.7	399.9
25°	702.1	661.8	621.7	583.3	542.8	504.6	476.1	444.4	419.1	397.8	380.9
27.5°	702.8	659.6	614.2	571.6	529.8	494.2	458.3	429.9	403.7	381.1	364.9
30°	700.9	655.9	607.2	561.0	519.0	480.4	449.1	418.3	391.5	369.1	352.2
32.5°	694.9	648.2	598.1	549.1	505.6	467.8	435.6	406.3	380.1	358.1	340.4
35°	677.9	631.6	578.3	527.4	482.9	444.7	415.5	385.8	359.6	338.8	321.6
37.5°	651.1	609.4	555.1	502.5	458.7	420.4	391.5	364.6	341.0	319.8	302.3
40°	627.9	591.1	536.6	485.4	438.1	401.6	374.6	349.9	326.5	306.4	289.7
42.5°	601.0	569.0	518.8	464.5	418.8	382.2	355.9	333.7	311.7	293.1	276.4
45°	553.1	532.0	484.7	434.5	387.0	352.4	327.3	307.9	289.4	271.2	257.3
47.5°	498.1	487.6	447.8	400.1	355.1	320.9	299.2	281.2	264.9	249.6	237.3
50°	461.1	456.0	421.7	375.7	332.6	300.5	278.6	263.1	249.2	235.8	224.1
52.5°	424.6	424.5	393.4	351.3	311.5	280.6	258.8	244.4	232.4	221.4	211.0
55°	368.9	374.8	350.5	313.0	277.3	249.4	229.8	217.0	208.5	199.5	191.6
57.5°	317.7	327.5	307.5	274.4	244.6	219.0	201.9	192.3	183.2	177.7	172.0
60°	284.3	293.6	277.9	250.1	222.0	200.1	183.8	175.1	167.4	163.5	159.5
62.5°	254.6	262.8	251.3	225.4	201.1	179.9	166.2	157.9	152.7	148.6	145.9
65°	212.1	219.1	209.1	190.4	169.4	152.6	141.4	134.8	129.8	128.1	125.1
67.5°	171.5	177.8	172.5	156.5	139.7	126.9	118.2	111.9	108.9	107.5	105.3
70°	147.3	153.6	147.9	134.0	121.1	110.4	102.1	98.5	95.4	94.8	91.8
72.5°	126.9	131.2	125.5	114.6	103.6	94.5	88.1	84.4	82.8	81.6	80.0
75°	95.1	99.0	95.1	86.8	78.9	72.6	67.1	65.6	63.8	63.1	62.1
77.5°	67.3	70.6	67.8	62.5	56.6	51.7	48.8	46.9	46.5	45.4	45.9
80°	51.5	53.6	50.8	47.3	42.6	39.2	37.2	36.1	34.9	34.4	35.2
82.5°	37.0	37.9	36.5	34.1	30.7	28.4	27.0	25.8	25.5	25.6	25.6
85°	19.2	19.0	18.8	16.7	15.6	14.2	13.3	13.1	12.8	13.3	13.7
87.5°	11.4	11.1	10.4	9.2	8.0	6.9	6.1	5.2	6.1	6.9	7.7
90°	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0	7.3	10.6	13.9
92.5°	49.9	48.2	46.5	43.9	40.0	36.3	32.5	28.8	32.5	36.3	40.0
95°	98.0	95.9	93.8	91.4	88.7	86.1	83.4	80.7	83.4	86.1	88.7
97.5°	156.7	154.3	151.9	149.5	147.4	145.2	143.0	140.9	143.0	145.2	147.4
100°	200.4	197.7	194.9	193.1	191.8	190.6	189.4	188.2	189.4	190.6	191.8
102.5°	246.0	243.5	241.1	239.6	239.2	238.7	238.2	237.7	238.2	238.7	239.2
105°	317.6	316.4	315.2	314.5	314.1	313.9	313.6	313.3	313.6	313.9	314.1
107.5°	394.7	394.5	394.3	394.0	393.7	393.3	393.0	392.6	393.0	393.3	393.7
110°	448.4	448.6	449.0	448.8	448.2	447.5	447.0	446.4	447.0	447.5	448.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	501.5	502.0	502.6	502.8	502.7	502.6	502.5	502.3	502.5	502.6	502.7
115°	584.7	585.3	585.9	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2
117.5°	665.3	665.8	666.2	666.3	666.0	665.8	665.5	665.3	665.5	665.8	666.0
120°	721.1	722.0	722.9	722.7	721.6	720.4	719.2	718.0	719.2	720.4	721.6
122.5°	773.9	774.4	774.8	774.7	774.3	773.8	773.3	772.8	773.3	773.8	774.3
125°	853.0	853.4	853.6	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
127.5°	930.1	930.5	931.0	930.8	929.9	929.0	928.1	927.2	928.1	929.0	929.9
130°	982.8	982.8	982.8	982.4	981.5	980.6	979.7	978.8	979.7	980.6	981.5
132.5°	1033.9	1034.1	1034.4	1034.2	1033.5	1032.9	1032.2	1031.5	1032.2	1032.9	1033.5
135°	1109.3	1109.3	1109.3	1108.4	1106.6	1104.7	1103.0	1101.2	1103.0	1104.7	1106.6
137.5°	1182.0	1181.5	1181.1	1180.4	1179.6	1178.7	1177.9	1177.1	1177.9	1178.7	1179.6
140°	1230.3	1230.3	1230.3	1229.9	1229.4	1228.8	1228.2	1227.6	1228.2	1228.8	1229.4
142.5°	1275.9	1276.1	1276.4	1276.2	1275.6	1275.1	1274.4	1273.8	1274.4	1275.1	1275.6
145°	1344.0	1343.6	1343.4	1342.6	1341.4	1340.2	1339.0	1337.8	1339.0	1340.2	1341.4
147.5°	1407.1	1407.4	1407.7	1407.0	1405.6	1404.2	1402.8	1401.3	1402.8	1404.2	1405.6
150°	1445.4	1445.4	1445.4	1444.8	1443.6	1442.4	1441.2	1440.0	1441.2	1442.4	1443.6
152.5°	1480.4	1480.2	1480.0	1479.4	1478.7	1478.0	1477.3	1476.6	1477.3	1478.0	1478.7
155°	1532.0	1532.3	1532.7	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8
157.5°	1577.5	1577.6	1577.7	1578.0	1578.5	1579.0	1579.6	1580.1	1579.6	1579.0	1578.5
160°	1606.0	1606.3	1606.6	1606.9	1607.2	1607.5	1607.8	1608.1	1607.8	1607.5	1607.2
162.5°	1629.7	1630.0	1630.2	1630.8	1631.6	1632.4	1633.2	1633.9	1633.2	1632.4	1631.6
165°	1663.0	1663.7	1664.3	1665.0	1665.9	1666.8	1667.7	1668.6	1667.7	1666.8	1665.9
167.5°	1689.7	1689.7	1689.6	1690.2	1691.5	1692.7	1694.0	1695.2	1694.0	1692.7	1691.5
170°	1704.3	1704.0	1703.7	1704.3	1705.8	1707.3	1708.8	1710.3	1708.8	1707.3	1705.8
172.5°	1715.6	1715.5	1715.4	1716.0	1717.3	1718.5	1719.8	1721.0	1719.8	1718.5	1717.3
175°	1728.3	1728.7	1728.9	1729.8	1731.3	1732.9	1734.3	1735.8	1734.3	1732.9	1731.3
177.5°	1735.3	1735.3	1735.3	1735.9	1737.1	1738.3	1739.5	1740.6	1739.5	1738.3	1737.1
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	499.6	498.1	496.0	492.9	490.4	487.7	487.0	486.0	488.0	486.3	485.8
5°	483.3	478.8	473.1	466.6	462.8	457.4	456.3	454.1	452.0	451.8	449.7
7.5°	465.9	459.4	451.9	445.3	439.2	433.1	429.2	428.4	425.3	423.4	421.3
10°	454.8	446.7	438.1	431.8	424.6	418.3	413.8	411.3	409.2	406.9	404.7
12.5°	441.7	433.1	426.0	419.1	410.6	405.8	398.5	394.1	393.7	393.7	388.3
15°	426.3	417.9	406.9	397.2	392.5	383.3	379.2	374.2	371.0	367.8	365.3
17.5°	408.8	398.2	389.7	378.5	369.7	362.3	357.0	354.0	349.2	344.7	341.5
20°	397.8	386.6	377.6	365.7	356.1	347.0	342.5	338.3	334.7	330.9	327.3
22.5°	386.6	375.0	363.9	352.4	343.4	333.8	329.5	323.8	320.4	318.3	314.7
25°	369.1	356.4	343.8	332.8	323.5	315.0	309.4	305.0	301.1	299.4	297.1
27.5°	350.0	337.4	325.2	312.7	302.2	296.0	291.5	288.2	286.0	283.7	282.7
30°	337.9	324.8	311.7	300.1	290.4	284.3	280.1	277.8	276.1	275.0	273.9
32.5°	325.6	312.6	298.9	288.3	279.6	274.1	270.9	268.6	267.8	267.4	267.0
35°	305.8	292.7	280.1	270.5	262.3	260.2	257.4	256.2	255.7	257.3	257.9
37.5°	286.7	274.6	262.9	253.7	248.3	245.2	244.2	244.3	245.8	247.1	248.6
40°	274.4	262.5	251.6	243.5	238.4	236.6	236.1	237.2	238.9	240.4	242.1
42.5°	262.3	250.7	240.8	233.3	229.7	227.9	228.2	229.3	231.7	233.4	235.9
45°	243.8	234.1	224.4	218.2	215.3	215.7	215.7	217.6	219.9	222.7	225.4
47.5°	226.2	216.4	208.5	203.3	201.8	201.4	202.6	205.1	208.4	211.8	215.6
50°	214.5	205.1	198.1	193.5	191.8	192.4	194.1	196.4	200.5	204.7	208.7
52.5°	202.4	193.9	187.5	183.2	182.0	183.2	184.9	188.5	192.1	196.6	201.4
55°	183.8	176.6	171.6	168.4	168.0	168.6	170.5	174.5	179.6	185.3	189.9
57.5°	165.3	159.3	154.6	152.5	152.7	153.3	156.4	161.1	166.6	172.6	178.6
60°	152.8	147.3	143.5	141.8	142.0	143.3	147.1	151.5	158.3	164.2	170.5
62.5°	141.0	136.2	132.5	131.0	130.7	133.5	137.1	141.7	148.5	155.1	161.9
65°	122.0	118.2	115.2	114.4	115.0	117.2	121.8	127.9	133.6	140.5	147.8
67.5°	103.4	100.3	98.3	98.6	99.4	102.5	106.4	111.6	118.2	125.4	132.4
70°	91.6	88.6	86.9	87.1	88.5	92.2	95.6	100.9	107.8	115.2	121.1
72.5°	79.5	77.5	76.0	76.9	78.1	80.7	85.0	90.2	96.4	103.3	109.5
75°	61.0	61.0	60.2	60.8	62.7	65.2	68.4	73.8	80.0	85.5	90.5
77.5°	45.2	44.8	45.3	46.1	47.2	50.2	53.9	57.8	62.3	67.9	72.1
80°	34.6	34.9	35.8	37.2	37.5	39.9	43.7	47.3	50.8	55.5	59.5
82.5°	26.0	26.2	26.8	28.4	28.8	31.3	33.7	37.3	40.6	43.7	47.0
85°	14.2	14.2	15.2	15.9	16.9	18.5	20.1	22.2	25.1	27.2	30.4
87.5°	8.8	9.4	10.5	11.4	12.4	13.6	14.4	16.6	17.7	18.8	20.6
90°	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2	35.0	36.7	38.0
92.5°	43.9	46.5	48.2	49.9	51.5	53.2	54.3	55.4	56.4	57.5	58.2
95°	91.4	93.8	95.9	98.0	100.1	102.2	103.1	104.0	104.9	105.8	106.2
97.5°	149.5	151.9	154.3	156.7	159.2	161.6	162.6	163.8	164.9	165.9	166.5
100°	193.1	194.9	197.7	200.4	203.0	205.7	206.3	206.9	207.5	208.1	208.4
102.5°	239.6	241.1	243.5	246.0	248.4	250.9	251.7	252.5	253.4	254.2	254.8
105°	314.5	315.2	316.4	317.6	318.8	320.0	320.9	321.8	322.7	323.6	324.5
107.5°	394.0	394.3	394.5	394.7	394.8	395.0	395.8	396.7	397.5	398.4	398.8
110°	448.8	449.0	448.6	448.4	448.0	447.7	447.1	446.6	445.9	445.3	445.5



TEST NUMBER: P332740-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	502.8	502.6	502.0	501.5	501.0	500.4	500.3	500.2	500.1	500.0	500.0
115°	586.2	585.9	585.3	584.7	584.2	583.5	583.3	582.9	582.6	582.4	582.0
117.5°	666.3	666.2	665.8	665.3	664.9	664.5	663.4	662.5	661.5	660.4	659.6
120°	722.7	722.9	722.0	721.1	720.2	719.3	717.8	716.3	714.9	713.4	712.9
122.5°	774.7	774.8	774.4	773.9	773.6	773.1	772.1	771.1	770.1	769.1	768.0
125°	853.8	853.6	853.4	853.0	852.7	852.5	851.9	851.2	850.7	850.1	849.4
127.5°	930.8	931.0	930.5	930.1	929.6	929.1	928.4	927.9	927.3	926.7	926.1
130°	982.4	982.8	982.8	982.8	982.8	982.8	982.3	981.7	981.1	980.4	979.5
132.5°	1034.2	1034.4	1034.1	1033.9	1033.7	1033.4	1032.9	1032.2	1031.6	1031.0	1030.5
135°	1108.4	1109.3	1109.3	1109.3	1109.3	1109.3	1108.7	1108.0	1107.5	1106.9	1106.1
137.5°	1180.4	1181.1	1181.5	1182.0	1182.5	1182.9	1182.1	1181.4	1180.6	1179.8	1179.6
140°	1229.9	1230.3	1230.3	1230.3	1230.3	1230.3	1229.9	1229.7	1229.4	1229.0	1228.8
142.5°	1276.2	1276.4	1276.1	1275.9	1275.7	1275.4	1275.4	1275.3	1275.2	1275.2	1275.1
145°	1342.6	1343.4	1343.6	1344.0	1344.3	1344.5	1344.3	1344.0	1343.6	1343.4	1342.7
147.5°	1407.0	1407.7	1407.4	1407.1	1406.9	1406.7	1406.4	1406.2	1406.0	1405.7	1405.4
150°	1444.8	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.3
152.5°	1479.4	1480.0	1480.2	1480.4	1480.7	1480.9	1481.6	1482.3	1483.0	1483.7	1483.7
155°	1532.8	1532.7	1532.3	1532.0	1531.8	1531.4	1532.7	1533.8	1535.0	1536.2	1536.2
157.5°	1578.0	1577.7	1577.6	1577.5	1577.5	1577.4	1578.3	1579.2	1580.1	1581.0	1580.9
160°	1606.9	1606.6	1606.3	1606.0	1605.7	1605.4	1606.3	1607.2	1608.1	1609.0	1608.6
162.5°	1630.8	1630.2	1630.0	1629.7	1629.3	1629.1	1630.7	1632.3	1633.9	1635.5	1635.6
165°	1665.0	1664.3	1663.7	1663.0	1662.5	1661.9	1663.7	1665.4	1667.2	1669.0	1669.4
167.5°	1690.2	1689.6	1689.7	1689.7	1689.8	1689.9	1691.7	1693.4	1695.2	1697.0	1697.0
170°	1704.3	1703.7	1704.0	1704.3	1704.6	1704.9	1706.6	1708.5	1710.3	1712.1	1711.9
172.5°	1716.0	1715.4	1715.5	1715.6	1715.6	1715.7	1717.7	1719.8	1721.7	1723.8	1723.8
175°	1729.8	1728.9	1728.7	1728.3	1728.0	1727.8	1729.8	1732.0	1734.0	1736.2	1736.2
177.5°	1735.9	1735.3	1735.3	1735.3	1735.3	1735.3	1737.0	1738.7	1740.3	1742.0	1741.9
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	485.4	485.2	483.9	483.8	483.9	485.2	485.4	485.8	486.3	488.0	486.0
5°	448.4	447.4	446.7	449.1	446.7	447.4	448.4	449.7	451.8	452.0	454.1
7.5°	420.5	419.7	417.9	417.2	417.9	419.7	420.5	421.3	423.4	425.3	428.4
10°	402.7	401.8	400.1	399.7	400.1	401.8	402.7	404.7	406.9	409.2	411.3
12.5°	385.4	383.8	383.4	383.9	383.4	383.8	385.4	388.3	393.7	393.7	394.1
15°	362.6	361.7	359.4	360.1	359.4	361.7	362.6	365.3	367.8	371.0	374.2
17.5°	340.0	339.0	336.2	338.7	336.2	339.0	340.0	341.5	344.7	349.2	354.0
20°	325.8	324.1	322.7	322.4	322.7	324.1	325.8	327.3	330.9	334.7	338.3
22.5°	312.4	310.9	310.7	309.3	310.7	310.9	312.4	314.7	318.3	320.4	323.8
25°	295.4	294.0	293.6	292.5	293.6	294.0	295.4	297.1	299.4	301.1	305.0
27.5°	282.5	281.8	281.0	281.3	281.0	281.8	282.5	282.7	283.7	286.0	288.2
30°	274.6	274.4	273.9	273.9	273.9	274.4	274.6	273.9	275.0	276.1	277.8
32.5°	268.0	268.0	268.2	268.2	268.2	268.0	268.0	267.0	267.4	267.8	268.6
35°	258.8	259.4	259.8	259.1	259.8	259.4	258.8	257.9	257.3	255.7	256.2
37.5°	250.4	251.0	251.6	252.4	251.6	251.0	250.4	248.6	247.1	245.8	244.3
40°	244.0	245.4	245.8	246.9	245.8	245.4	244.0	242.1	240.4	238.9	237.2
42.5°	237.9	239.5	240.6	240.9	240.6	239.5	237.9	235.9	233.4	231.7	229.3
45°	228.5	230.2	231.8	231.8	231.8	230.2	228.5	225.4	222.7	219.9	217.6
47.5°	218.9	221.3	222.8	223.2	222.8	221.3	218.9	215.6	211.8	208.4	205.1
50°	212.3	215.3	216.8	217.8	216.8	215.3	212.3	208.7	204.7	200.5	196.4
52.5°	205.9	208.8	210.8	211.3	210.8	208.8	205.9	201.4	196.6	192.1	188.5
55°	194.7	199.0	201.3	202.2	201.3	199.0	194.7	189.9	185.3	179.6	174.5
57.5°	184.3	188.2	190.9	191.5	190.9	188.2	184.3	178.6	172.6	166.6	161.1
60°	176.2	180.5	183.8	184.4	183.8	180.5	176.2	170.5	164.2	158.3	151.5
62.5°	167.9	172.4	175.4	177.0	175.4	172.4	167.9	161.9	155.1	148.5	141.7
65°	153.6	158.1	161.0	161.7	161.0	158.1	153.6	147.8	140.5	133.6	127.9
67.5°	138.0	142.5	144.4	145.6	144.4	142.5	138.0	132.4	125.4	118.2	111.6
70°	127.1	130.6	132.8	133.8	132.8	130.6	127.1	121.1	115.2	107.8	100.9
72.5°	114.6	118.3	120.7	121.0	120.7	118.3	114.6	109.5	103.3	96.4	90.2
75°	95.4	98.8	100.0	100.0	100.0	98.8	95.4	90.5	85.5	80.0	73.8
77.5°	75.5	77.2	78.8	79.2	78.8	77.2	75.5	72.1	67.9	62.3	57.8
80°	62.7	63.8	65.0	65.0	65.0	63.8	62.7	59.5	55.5	50.8	47.3
82.5°	49.5	50.4	51.6	51.5	51.6	50.4	49.5	47.0	43.7	40.6	37.3
85°	30.0	31.8	31.7	31.2	31.7	31.8	30.0	30.4	27.2	25.1	22.2
87.5°	21.2	21.5	22.1	22.6	22.1	21.5	21.2	20.6	18.8	17.7	16.6
90°	38.5	39.1	39.8	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2
92.5°	58.6	58.9	59.3	59.7	59.3	58.9	58.6	58.2	57.5	56.4	55.4
95°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	105.8	104.9	104.0
97.5°	166.5	166.5	166.5	166.5	166.5	166.5	166.5	166.5	165.9	164.9	163.8
100°	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.1	207.5	206.9
102.5°	255.0	255.3	255.5	255.7	255.5	255.3	255.0	254.8	254.2	253.4	252.5
105°	325.4	326.3	327.2	328.1	327.2	326.3	325.4	324.5	323.6	322.7	321.8
107.5°	398.7	398.7	398.6	398.5	398.6	398.7	398.7	398.8	398.4	397.5	396.7
110°	446.4	447.3	448.2	449.1	448.2	447.3	446.4	445.5	445.3	445.9	446.6



TEST NUMBER: P332740-940

CATALOG NUMBER: S124DIW-S350D1560U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	500.2	500.3	500.5	500.7	500.5	500.3	500.2	500.0	500.0	500.1	500.2
115°	581.8	581.5	581.1	580.9	581.1	581.5	581.8	582.0	582.4	582.6	582.9
117.5°	659.0	658.4	657.8	657.2	657.8	658.4	659.0	659.6	660.4	661.5	662.5
120°	713.5	714.1	714.7	715.3	714.7	714.1	713.5	712.9	713.4	714.9	716.3
122.5°	767.0	765.9	764.8	763.8	764.8	765.9	767.0	768.0	769.1	770.1	771.1
125°	848.8	848.3	847.7	847.0	847.7	848.3	848.8	849.4	850.1	850.7	851.2
127.5°	925.7	925.2	924.7	924.3	924.7	925.2	925.7	926.1	926.7	927.3	927.9
130°	978.4	977.2	976.0	974.8	976.0	977.2	978.4	979.5	980.4	981.1	981.7
132.5°	1030.0	1029.6	1029.0	1028.6	1029.0	1029.6	1030.0	1030.5	1031.0	1031.6	1032.2
135°	1105.2	1104.3	1103.4	1102.5	1103.4	1104.3	1105.2	1106.1	1106.9	1107.5	1108.0
137.5°	1179.7	1179.9	1180.1	1180.3	1180.1	1179.9	1179.7	1179.6	1179.8	1180.6	1181.4
140°	1228.5	1228.2	1227.9	1227.6	1227.9	1228.2	1228.5	1228.8	1229.0	1229.4	1229.7
142.5°	1275.1	1275.1	1275.0	1274.9	1275.0	1275.1	1275.1	1275.1	1275.2	1275.2	1275.3
145°	1341.8	1341.0	1340.1	1339.2	1340.1	1341.0	1341.8	1342.7	1343.4	1343.6	1344.0
147.5°	1405.2	1404.9	1404.5	1404.3	1404.5	1404.9	1405.2	1405.4	1405.7	1406.0	1406.2
150°	1444.9	1444.7	1444.4	1444.0	1444.4	1444.7	1444.9	1445.3	1445.4	1445.4	1445.4
152.5°	1482.9	1482.2	1481.4	1480.6	1481.4	1482.2	1482.9	1483.7	1483.7	1483.0	1482.3
155°	1535.0	1533.8	1532.7	1531.4	1532.7	1533.8	1535.0	1536.2	1536.2	1535.0	1533.8
157.5°	1579.9	1579.0	1577.9	1576.9	1577.9	1579.0	1579.9	1580.9	1581.0	1580.1	1579.2
160°	1607.2	1605.7	1604.2	1602.7	1604.2	1605.7	1607.2	1608.6	1609.0	1608.1	1607.2
162.5°	1634.1	1632.6	1631.1	1629.6	1631.1	1632.6	1634.1	1635.6	1635.5	1633.9	1632.3
165°	1668.1	1667.0	1665.7	1664.6	1665.7	1667.0	1668.1	1669.4	1669.0	1667.2	1665.4
167.5°	1695.1	1693.3	1691.4	1689.5	1691.4	1693.3	1695.1	1697.0	1697.0	1695.2	1693.4
170°	1709.9	1707.7	1705.7	1703.5	1705.7	1707.7	1709.9	1711.9	1712.1	1710.3	1708.5
172.5°	1721.6	1719.6	1717.4	1715.4	1717.4	1719.6	1721.6	1723.8	1723.8	1721.7	1719.8
175°	1734.0	1732.0	1729.8	1727.8	1729.8	1732.0	1734.0	1736.2	1736.2	1734.0	1732.0
177.5°	1739.9	1738.0	1736.2	1734.2	1736.2	1738.0	1739.9	1741.9	1742.0	1740.3	1738.7
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



TEST NUMBER: P332740-940

CATALOG NUMBER: S124DIW-S350D1560U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	487.0	487.7	490.4	492.9	496.0	498.1	499.6	501.3	504.9	507.7	510.5
5°	456.3	457.4	462.8	466.6	473.1	478.8	483.3	488.1	493.8	501.7	508.8
7.5°	429.2	433.1	439.2	445.3	451.9	459.4	465.9	473.2	483.0	493.8	504.9
10°	413.8	418.3	424.6	431.8	438.1	446.7	454.8	463.4	474.7	487.7	500.8
12.5°	398.5	405.8	410.6	419.1	426.0	433.1	441.7	453.0	466.0	479.7	495.5
15°	379.2	383.3	392.5	397.2	406.9	417.9	426.3	437.7	450.3	468.5	486.2
17.5°	357.0	362.3	369.7	378.5	389.7	398.2	408.8	420.5	436.5	454.5	476.7
20°	342.5	347.0	356.1	365.7	377.6	386.6	397.8	409.2	425.7	444.9	468.1
22.5°	329.5	333.8	343.4	352.4	363.9	375.0	386.6	399.9	415.7	436.0	459.7
25°	309.4	315.0	323.5	332.8	343.8	356.4	369.1	380.9	397.8	419.1	444.4
27.5°	291.5	296.0	302.2	312.7	325.2	337.4	350.0	364.9	381.1	403.7	429.9
30°	280.1	284.3	290.4	300.1	311.7	324.8	337.9	352.2	369.1	391.5	418.3
32.5°	270.9	274.1	279.6	288.3	298.9	312.6	325.6	340.4	358.1	380.1	406.3
35°	257.4	260.2	262.3	270.5	280.1	292.7	305.8	321.6	338.8	359.6	385.8
37.5°	244.2	245.2	248.3	253.7	262.9	274.6	286.7	302.3	319.8	341.0	364.6
40°	236.1	236.6	238.4	243.5	251.6	262.5	274.4	289.7	306.4	326.5	349.9
42.5°	228.2	227.9	229.7	233.3	240.8	250.7	262.3	276.4	293.1	311.7	333.7
45°	215.7	215.7	215.3	218.2	224.4	234.1	243.8	257.3	271.2	289.4	307.9
47.5°	202.6	201.4	201.8	203.3	208.5	216.4	226.2	237.3	249.6	264.9	281.2
50°	194.1	192.4	191.8	193.5	198.1	205.1	214.5	224.1	235.8	249.2	263.1
52.5°	184.9	183.2	182.0	183.2	187.5	193.9	202.4	211.0	221.4	232.4	244.4
55°	170.5	168.6	168.0	168.4	171.6	176.6	183.8	191.6	199.5	208.5	217.0
57.5°	156.4	153.3	152.7	152.5	154.6	159.3	165.3	172.0	177.7	183.2	192.3
60°	147.1	143.3	142.0	141.8	143.5	147.3	152.8	159.5	163.5	167.4	175.1
62.5°	137.1	133.5	130.7	131.0	132.5	136.2	141.0	145.9	148.6	152.7	157.9
65°	121.8	117.2	115.0	114.4	115.2	118.2	122.0	125.1	128.1	129.8	134.8
67.5°	106.4	102.5	99.4	98.6	98.3	100.3	103.4	105.3	107.5	108.9	111.9
70°	95.6	92.2	88.5	87.1	86.9	88.6	91.6	91.8	94.8	95.4	98.5
72.5°	85.0	80.7	78.1	76.9	76.0	77.5	79.5	80.0	81.6	82.8	84.4
75°	68.4	65.2	62.7	60.8	60.2	61.0	61.0	62.1	63.1	63.8	65.6
77.5°	53.9	50.2	47.2	46.1	45.3	44.8	45.2	45.9	45.4	46.5	46.9
80°	43.7	39.9	37.5	37.2	35.8	34.9	34.6	35.2	34.4	34.9	36.1
82.5°	33.7	31.3	28.8	28.4	26.8	26.2	26.0	25.6	25.6	25.5	25.8
85°	20.1	18.5	16.9	15.9	15.2	14.2	14.2	13.7	13.3	12.8	13.1
87.5°	14.4	13.6	12.4	11.4	10.5	9.4	8.8	7.7	6.9	6.1	5.2
90°	31.4	29.6	27.2	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0
92.5°	54.3	53.2	51.5	49.9	48.2	46.5	43.9	40.0	36.3	32.5	28.8
95°	103.1	102.2	100.1	98.0	95.9	93.8	91.4	88.7	86.1	83.4	80.7
97.5°	162.6	161.6	159.2	156.7	154.3	151.9	149.5	147.4	145.2	143.0	140.9
100°	206.3	205.7	203.0	200.4	197.7	194.9	193.1	191.8	190.6	189.4	188.2
102.5°	251.7	250.9	248.4	246.0	243.5	241.1	239.6	239.2	238.7	238.2	237.7
105°	320.9	320.0	318.8	317.6	316.4	315.2	314.5	314.1	313.9	313.6	313.3
107.5°	395.8	395.0	394.8	394.7	394.5	394.3	394.0	393.7	393.3	393.0	392.6
110°	447.1	447.7	448.0	448.4	448.6	449.0	448.8	448.2	447.5	447.0	446.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	500.3	500.4	501.0	501.5	502.0	502.6	502.8	502.7	502.6	502.5	502.3
115°	583.3	583.5	584.2	584.7	585.3	585.9	586.2	586.2	586.2	586.2	586.2
117.5°	663.4	664.5	664.9	665.3	665.8	666.2	666.3	666.0	665.8	665.5	665.3
120°	717.8	719.3	720.2	721.1	722.0	722.9	722.7	721.6	720.4	719.2	718.0
122.5°	772.1	773.1	773.6	773.9	774.4	774.8	774.7	774.3	773.8	773.3	772.8
125°	851.9	852.5	852.7	853.0	853.4	853.6	853.8	853.8	853.8	853.8	853.8
127.5°	928.4	929.1	929.6	930.1	930.5	931.0	930.8	929.9	929.0	928.1	927.2
130°	982.3	982.8	982.8	982.8	982.8	982.8	982.4	981.5	980.6	979.7	978.8
132.5°	1032.9	1033.4	1033.7	1033.9	1034.1	1034.4	1034.2	1033.5	1032.9	1032.2	1031.5
135°	1108.7	1109.3	1109.3	1109.3	1109.3	1109.3	1108.4	1106.6	1104.7	1103.0	1101.2
137.5°	1182.1	1182.9	1182.5	1182.0	1181.5	1181.1	1180.4	1179.6	1178.7	1177.9	1177.1
140°	1229.9	1230.3	1230.3	1230.3	1230.3	1230.3	1229.9	1229.4	1228.8	1228.2	1227.6
142.5°	1275.4	1275.4	1275.7	1275.9	1276.1	1276.4	1276.2	1275.6	1275.1	1274.4	1273.8
145°	1344.3	1344.5	1344.3	1344.0	1343.6	1343.4	1342.6	1341.4	1340.2	1339.0	1337.8
147.5°	1406.4	1406.7	1406.9	1407.1	1407.4	1407.7	1407.0	1405.6	1404.2	1402.8	1401.3
150°	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1444.8	1443.6	1442.4	1441.2	1440.0
152.5°	1481.6	1480.9	1480.7	1480.4	1480.2	1480.0	1479.4	1478.7	1478.0	1477.3	1476.6
155°	1532.7	1531.4	1531.8	1532.0	1532.3	1532.7	1532.8	1532.8	1532.8	1532.8	1532.8
157.5°	1578.3	1577.4	1577.5	1577.5	1577.6	1577.7	1578.0	1578.5	1579.0	1579.6	1580.1
160°	1606.3	1605.4	1605.7	1606.0	1606.3	1606.6	1606.9	1607.2	1607.5	1607.8	1608.1
162.5°	1630.7	1629.1	1629.3	1629.7	1630.0	1630.2	1630.8	1631.6	1632.4	1633.2	1633.9
165°	1663.7	1661.9	1662.5	1663.0	1663.7	1664.3	1665.0	1665.9	1666.8	1667.7	1668.6
167.5°	1691.7	1689.9	1689.8	1689.7	1689.7	1689.6	1690.2	1691.5	1692.7	1694.0	1695.2
170°	1706.6	1704.9	1704.6	1704.3	1704.0	1703.7	1704.3	1705.8	1707.3	1708.8	1710.3
172.5°	1717.7	1715.7	1715.6	1715.6	1715.5	1715.4	1716.0	1717.3	1718.5	1719.8	1721.0
175°	1729.8	1727.8	1728.0	1728.3	1728.7	1728.9	1729.8	1731.3	1732.9	1734.3	1735.8
177.5°	1737.0	1735.3	1735.3	1735.3	1735.3	1735.3	1735.9	1737.1	1738.3	1739.5	1740.6
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



TEST NUMBER: P332740-940

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	512.8	514.5	516.7	520.4	521.7	523.4	525.8	525.7	526.3	528.9	534.2
5°	514.7	521.3	527.6	535.2	543.2	548.5	555.6	560.1	564.5	570.2	580.0
7.5°	515.5	525.8	537.4	550.8	562.7	576.3	587.0	597.1	606.2	618.1	629.7
10°	514.3	528.2	543.2	560.1	578.0	593.3	607.0	622.6	635.9	650.4	663.5
12.5°	512.1	528.9	548.9	567.8	588.8	611.3	628.4	644.2	661.8	678.6	698.8
15°	507.1	530.1	553.6	578.5	606.5	632.5	657.2	677.6	696.6	721.8	748.1
17.5°	500.8	525.6	555.2	585.3	614.7	644.3	674.8	705.6	729.6	760.8	781.4
20°	494.9	523.6	554.0	589.9	619.2	656.1	686.5	716.2	749.2	780.2	804.9
22.5°	486.6	518.0	550.3	585.9	624.6	661.6	696.6	728.9	761.9	795.6	825.5
25°	476.1	504.6	542.8	583.3	621.7	661.8	702.1	742.6	778.1	813.8	841.6
27.5°	458.3	494.2	529.8	571.6	614.2	659.6	702.8	745.1	782.3	811.6	828.8
30°	449.1	480.4	519.0	561.0	607.2	655.9	700.9	742.4	777.0	800.5	807.4
32.5°	435.6	467.8	505.6	549.1	598.1	648.2	694.9	734.1	763.0	775.3	767.0
35°	415.5	444.7	482.9	527.4	578.3	631.6	677.9	711.0	725.8	714.2	685.3
37.5°	391.5	420.4	458.7	502.5	555.1	609.4	651.1	675.0	670.1	641.2	598.2
40°	374.6	401.6	438.1	485.4	536.6	591.1	627.9	640.7	627.2	585.9	540.0
42.5°	355.9	382.2	418.8	464.5	518.8	569.0	601.0	602.1	579.4	529.9	484.0
45°	327.3	352.4	387.0	434.5	484.7	532.0	553.1	542.8	501.0	453.3	407.1
47.5°	299.2	320.9	355.1	400.1	447.8	487.6	498.1	479.5	435.0	388.6	345.8
50°	278.6	300.5	332.6	375.7	421.7	456.0	461.1	436.4	392.7	346.1	312.5
52.5°	258.8	280.6	311.5	351.3	393.4	424.5	424.6	396.1	352.6	311.0	279.8
55°	229.8	249.4	277.3	313.0	350.5	374.8	368.9	339.4	301.6	265.5	238.3
57.5°	201.9	219.0	244.6	274.4	307.5	327.5	317.7	289.3	255.6	224.9	204.3
60°	183.8	200.1	222.0	250.1	277.9	293.6	284.3	258.5	227.5	202.8	184.9
62.5°	166.2	179.9	201.1	225.4	251.3	262.8	254.6	229.2	202.3	180.0	165.4
65°	141.4	152.6	169.4	190.4	209.1	219.1	212.1	188.4	168.0	151.9	140.4
67.5°	118.2	126.9	139.7	156.5	172.5	177.8	171.5	155.0	137.7	124.8	116.6
70°	102.1	110.4	121.1	134.0	147.9	153.6	147.3	134.2	120.1	108.3	100.2
72.5°	88.1	94.5	103.6	114.6	125.5	131.2	126.9	114.3	102.4	93.5	86.8
75°	67.1	72.6	78.9	86.8	95.1	99.0	95.1	86.5	78.3	71.8	66.9
77.5°	48.8	51.7	56.6	62.5	67.8	70.6	67.3	61.5	56.4	52.0	49.6
80°	37.2	39.2	42.6	47.3	50.8	53.6	51.5	46.6	42.6	39.7	38.6
82.5°	27.0	28.4	30.7	34.1	36.5	37.9	37.0	33.4	31.8	29.2	28.2
85°	13.3	14.2	15.6	16.7	18.8	19.0	19.2	17.7	16.2	15.6	14.8
87.5°	6.1	6.9	8.0	9.2	10.4	11.1	11.4	11.9	11.7	11.9	11.5
90°	7.3	10.6	13.9	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2
92.5°	32.5	36.3	40.0	43.9	46.5	48.2	49.9	51.5	53.2	54.3	55.4
95°	83.4	86.1	88.7	91.4	93.8	95.9	98.0	100.1	102.2	103.1	104.0
97.5°	143.0	145.2	147.4	149.5	151.9	154.3	156.7	159.2	161.6	162.6	163.8
100°	189.4	190.6	191.8	193.1	194.9	197.7	200.4	203.0	205.7	206.3	206.9
102.5°	238.2	238.7	239.2	239.6	241.1	243.5	246.0	248.4	250.9	251.7	252.5
105°	313.6	313.9	314.1	314.5	315.2	316.4	317.6	318.8	320.0	320.9	321.8
107.5°	393.0	393.3	393.7	394.0	394.3	394.5	394.7	394.8	395.0	395.8	396.7
110°	447.0	447.5	448.2	448.8	449.0	448.6	448.4	448.0	447.7	447.1	446.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	502.5	502.6	502.7	502.8	502.6	502.0	501.5	501.0	500.4	500.3	500.2
115°	586.2	586.2	586.2	586.2	585.9	585.3	584.7	584.2	583.5	583.3	582.9
117.5°	665.5	665.8	666.0	666.3	666.2	665.8	665.3	664.9	664.5	663.4	662.5
120°	719.2	720.4	721.6	722.7	722.9	722.0	721.1	720.2	719.3	717.8	716.3
122.5°	773.3	773.8	774.3	774.7	774.8	774.4	773.9	773.6	773.1	772.1	771.1
125°	853.8	853.8	853.8	853.8	853.6	853.4	853.0	852.7	852.5	851.9	851.2
127.5°	928.1	929.0	929.9	930.8	931.0	930.5	930.1	929.6	929.1	928.4	927.9
130°	979.7	980.6	981.5	982.4	982.8	982.8	982.8	982.8	982.8	982.3	981.7
132.5°	1032.2	1032.9	1033.5	1034.2	1034.4	1034.1	1033.9	1033.7	1033.4	1032.9	1032.2
135°	1103.0	1104.7	1106.6	1108.4	1109.3	1109.3	1109.3	1109.3	1109.3	1108.7	1108.0
137.5°	1177.9	1178.7	1179.6	1180.4	1181.1	1181.5	1182.0	1182.5	1182.9	1182.1	1181.4
140°	1228.2	1228.8	1229.4	1229.9	1230.3	1230.3	1230.3	1230.3	1230.3	1229.9	1229.7
142.5°	1274.4	1275.1	1275.6	1276.2	1276.4	1276.1	1275.9	1275.7	1275.4	1275.4	1275.3
145°	1339.0	1340.2	1341.4	1342.6	1343.4	1343.6	1344.0	1344.3	1344.5	1344.3	1344.0
147.5°	1402.8	1404.2	1405.6	1407.0	1407.7	1407.4	1407.1	1406.9	1406.7	1406.4	1406.2
150°	1441.2	1442.4	1443.6	1444.8	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4
152.5°	1477.3	1478.0	1478.7	1479.4	1480.0	1480.2	1480.4	1480.7	1480.9	1481.6	1482.3
155°	1532.8	1532.8	1532.8	1532.8	1532.7	1532.3	1532.0	1531.8	1531.4	1532.7	1533.8
157.5°	1579.6	1579.0	1578.5	1578.0	1577.7	1577.6	1577.5	1577.5	1577.4	1578.3	1579.2
160°	1607.8	1607.5	1607.2	1606.9	1606.6	1606.3	1606.0	1605.7	1605.4	1606.3	1607.2
162.5°	1633.2	1632.4	1631.6	1630.8	1630.2	1630.0	1629.7	1629.3	1629.1	1630.7	1632.3
165°	1667.7	1666.8	1665.9	1665.0	1664.3	1663.7	1663.0	1662.5	1661.9	1663.7	1665.4
167.5°	1694.0	1692.7	1691.5	1690.2	1689.6	1689.7	1689.7	1689.8	1689.9	1691.7	1693.4
170°	1708.8	1707.3	1705.8	1704.3	1703.7	1704.0	1704.3	1704.6	1704.9	1706.6	1708.5
172.5°	1719.8	1718.5	1717.3	1716.0	1715.4	1715.5	1715.6	1715.6	1715.7	1717.7	1719.8
175°	1734.3	1732.9	1731.3	1729.8	1728.9	1728.7	1728.3	1728.0	1727.8	1729.8	1732.0
177.5°	1739.5	1738.3	1737.1	1735.9	1735.3	1735.3	1735.3	1735.3	1735.3	1737.0	1738.7
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	537.0	537.3	538.9	540.0	540.4	542.1	542.2
5°	584.2	587.7	594.7	595.3	596.4	601.9	597.6
7.5°	639.4	648.5	654.6	660.0	661.9	664.3	663.9
10°	674.9	688.4	695.2	706.0	706.3	709.1	707.4
12.5°	710.5	726.2	738.5	740.6	749.6	751.0	753.3
15°	761.0	777.7	794.8	800.9	813.3	816.3	820.9
17.5°	808.4	825.5	837.5	853.3	858.4	865.2	860.6
20°	834.5	853.0	868.3	880.7	885.9	889.7	889.3
22.5°	850.2	868.9	881.2	890.6	895.5	897.2	897.1
25°	860.0	870.8	874.6	878.2	872.6	870.8	871.6
27.5°	832.6	829.8	819.9	806.9	793.4	782.7	776.9
30°	795.0	778.6	763.6	737.4	723.9	715.9	708.6
32.5°	741.6	715.5	686.7	662.7	647.4	635.5	633.7
35°	650.2	611.0	575.7	546.4	531.2	518.4	515.3
37.5°	552.8	512.0	480.3	454.4	438.1	429.0	420.5
40°	488.1	453.1	421.9	399.9	387.4	380.9	375.7
42.5°	438.4	406.4	375.2	358.6	347.3	343.3	340.2
45°	369.5	339.7	318.3	305.6	299.1	292.3	289.1
47.5°	314.4	290.3	276.1	265.3	258.2	254.2	252.3
50°	283.2	263.4	250.7	242.5	236.1	233.0	231.3
52.5°	255.6	239.2	228.6	222.0	217.8	215.4	214.7
55°	220.1	207.7	200.9	195.2	192.1	189.9	189.1
57.5°	191.4	181.7	176.3	171.6	170.3	168.6	168.0
60°	172.5	165.1	160.4	157.2	156.1	154.1	154.4
62.5°	155.7	149.6	145.7	143.9	142.5	140.7	141.3
65°	131.7	127.2	125.1	123.5	121.8	120.7	121.5
67.5°	110.5	107.5	104.6	103.6	102.8	102.6	101.7
70°	96.7	94.2	91.6	91.0	91.0	90.2	89.9
72.5°	83.3	81.5	79.8	79.3	78.6	79.0	78.1
75°	64.4	62.9	62.2	61.6	61.4	61.4	60.8
77.5°	47.5	46.5	45.5	45.5	44.7	44.4	44.3
80°	36.1	35.7	34.9	34.9	34.4	34.6	34.2
82.5°	27.1	26.6	26.4	26.0	25.4	25.5	25.1
85°	14.5	13.9	13.7	13.1	12.7	13.1	12.7
87.5°	12.0	12.2	12.3	12.1	12.0	12.1	11.8
90°	35.0	36.7	38.0	38.5	39.1	39.8	40.3
92.5°	56.4	57.5	58.2	58.6	58.9	59.3	59.7
95°	104.9	105.8	106.2	106.2	106.2	106.2	106.2
97.5°	164.9	165.9	166.5	166.5	166.5	166.5	166.5
100°	207.5	208.1	208.4	208.4	208.4	208.4	208.4
102.5°	253.4	254.2	254.8	255.0	255.3	255.5	255.7
105°	322.7	323.6	324.5	325.4	326.3	327.2	328.1
107.5°	397.5	398.4	398.8	398.7	398.7	398.6	398.5
110°	445.9	445.3	445.5	446.4	447.3	448.2	449.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	500.1	500.0	500.0	500.2	500.3	500.5	500.7
115°	582.6	582.4	582.0	581.8	581.5	581.1	580.9
117.5°	661.5	660.4	659.6	659.0	658.4	657.8	657.2
120°	714.9	713.4	712.9	713.5	714.1	714.7	715.3
122.5°	770.1	769.1	768.0	767.0	765.9	764.8	763.8
125°	850.7	850.1	849.4	848.8	848.3	847.7	847.0
127.5°	927.3	926.7	926.1	925.7	925.2	924.7	924.3
130°	981.1	980.4	979.5	978.4	977.2	976.0	974.8
132.5°	1031.6	1031.0	1030.5	1030.0	1029.6	1029.0	1028.6
135°	1107.5	1106.9	1106.1	1105.2	1104.3	1103.4	1102.5
137.5°	1180.6	1179.8	1179.6	1179.7	1179.9	1180.1	1180.3
140°	1229.4	1229.0	1228.8	1228.5	1228.2	1227.9	1227.6
142.5°	1275.2	1275.2	1275.1	1275.1	1275.1	1275.0	1274.9
145°	1343.6	1343.4	1342.7	1341.8	1341.0	1340.1	1339.2
147.5°	1406.0	1405.7	1405.4	1405.2	1404.9	1404.5	1404.3
150°	1445.4	1445.4	1445.3	1444.9	1444.7	1444.4	1444.0
152.5°	1483.0	1483.7	1483.7	1482.9	1482.2	1481.4	1480.6
155°	1535.0	1536.2	1536.2	1535.0	1533.8	1532.7	1531.4
157.5°	1580.1	1581.0	1580.9	1579.9	1579.0	1577.9	1576.9
160°	1608.1	1609.0	1608.6	1607.2	1605.7	1604.2	1602.7
162.5°	1633.9	1635.5	1635.6	1634.1	1632.6	1631.1	1629.6
165°	1667.2	1669.0	1669.4	1668.1	1667.0	1665.7	1664.6
167.5°	1695.2	1697.0	1697.0	1695.1	1693.3	1691.4	1689.5
170°	1710.3	1712.1	1711.9	1709.9	1707.7	1705.7	1703.5
172.5°	1721.7	1723.8	1723.8	1721.6	1719.6	1717.4	1715.4
175°	1734.0	1736.2	1736.2	1734.0	1732.0	1729.8	1727.8
177.5°	1740.3	1742.0	1741.9	1739.9	1738.0	1736.2	1734.2
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5

(END OF REPORT)