

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: P332740-935

Luminaire Tested: **S124DIW-S350D1560U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332740-935
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-S350D1560U935-4F0-1E-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: 6019.5 lumens
Efficiency: N/A
Efficacy: 112.7 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

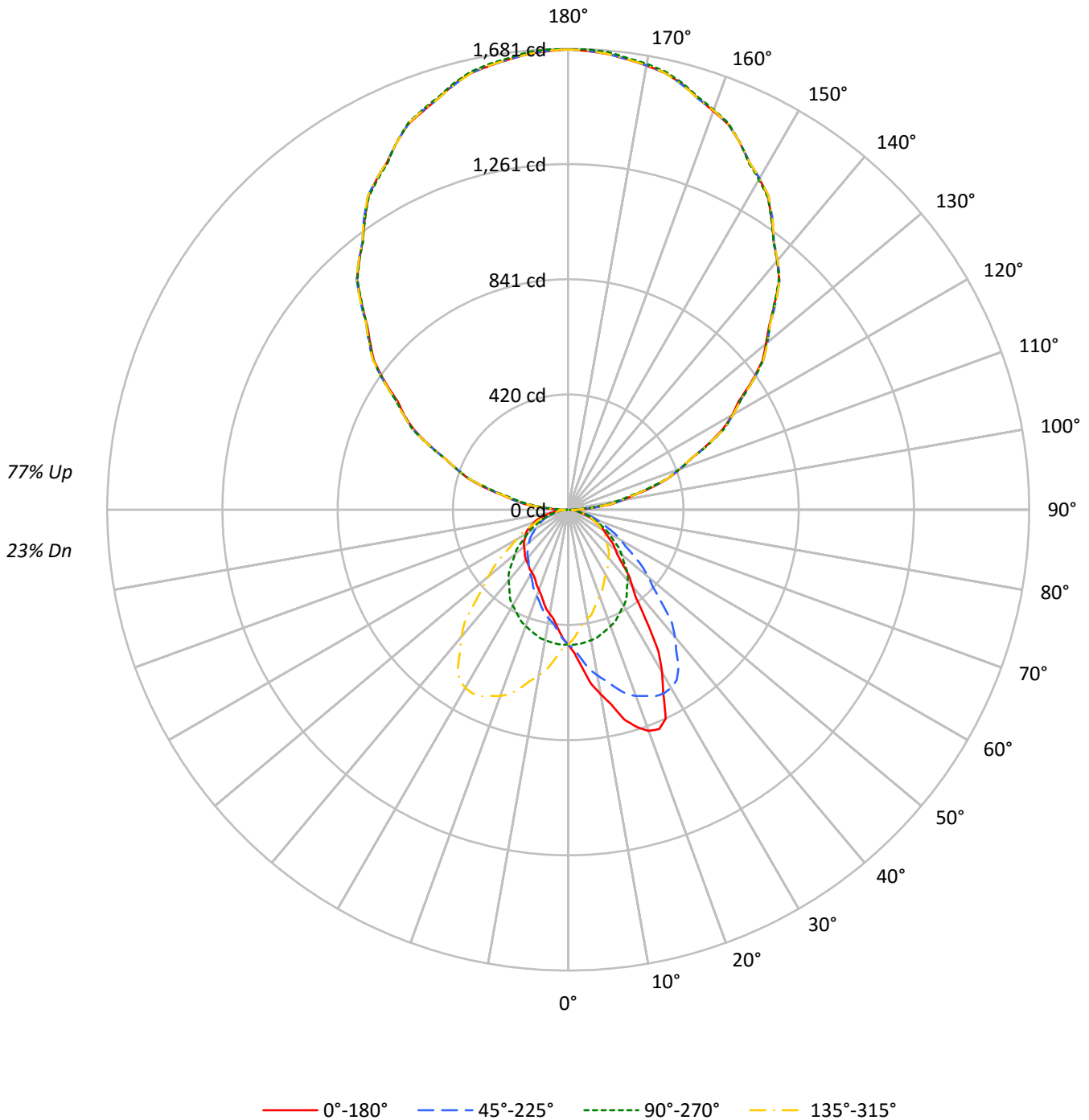
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3971	3971	3971	3971
5°	4676	3981	3514	3981
10°	5599	3963	3163	3963
15°	6624	3924	2906	3924
20°	7377	3882	2674	3882
25°	7496	3822	2515	3822
30°	6378	3765	2466	3765
35°	4904	3671	2466	3671
40°	3822	3561	2512	3561
45°	3186	3394	2555	3394
50°	2804	3191	2641	3191
55°	2570	2949	2747	2949
60°	2407	2730	2876	2730
65°	2243	2487	2982	2487
70°	2049	2245	3050	2245
75°	1831	1978	3013	1978
80°	1534	1623	2920	1623
85°	1130	1176	2788	1176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	0.8
10°-20°	147.7	2.5
20°-30°	234.2	3.9
30°-40°	260.7	4.3
40°-50°	237.3	3.9
50°-60°	193.9	3.2
60°-70°	138.4	2.3
70°-80°	76.2	1.3
80°-90°	25.8	0.4
90°-100°	110.7	1.8
100°-110°	328.0	5.4
110°-120°	556.7	9.2
120°-130°	734.0	12.2
130°-140°	824.4	13.7
140°-150°	810.1	13.5
150°-160°	681.3	11.3
160°-170°	453.3	7.5
170°-180°	158.7	2.6
0°-30°	429.9	7.1
0°-40°	690.5	11.5
0°-60°	1121.7	18.6
0°-90°	1362.2	22.6
90°-120°	995.4	16.5
90°-150°	3363.9	55.9
90°-180°	4657.0	77.4
0°-180°	6019.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	492	492	492	492	492	
5°	577	491	434	491	577	59
15°	793	470	348	470	793	224
25°	842	429	282	429	842	371
35°	498	372	250	372	498	316
45°	279	297	224	297	279	220
55°	183	210	195	210	183	165
65°	117	130	156	130	117	116
75°	59	63	97	63	59	62
85°	12	13	30	13	12	16
90°	39	4	39	4	39	20
95°	102	78	102	78	102	107
105°	317	302	317	302	317	334
115°	561	566	561	566	561	554
125°	818	824	818	824	818	730
135°	1064	1063	1064	1063	1064	822
145°	1293	1292	1293	1292	1293	809
155°	1479	1480	1479	1480	1479	681
165°	1607	1611	1607	1611	1607	453
175°	1668	1676	1668	1676	1668	158
180°	1679	1679	1679	1679	1679	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	523.5	523.4	521.8	521.4	520.3	518.8	518.5	515.8	510.7	508.2	507.6
5°	577.0	581.2	575.8	574.8	574.2	567.5	564.0	560.0	550.6	545.1	540.8
7.5°	641.0	641.4	639.1	637.3	632.1	626.2	617.4	608.0	596.8	585.3	576.5
10°	683.0	684.7	682.0	681.7	671.2	664.7	651.7	640.7	628.0	614.0	601.2
12.5°	727.4	725.1	723.8	715.1	713.1	701.2	686.0	674.8	655.2	639.0	622.0
15°	792.6	788.2	785.3	773.4	767.4	750.9	734.8	722.4	696.9	672.6	654.3
17.5°	831.0	835.4	828.9	823.9	808.7	797.0	780.6	754.5	734.6	704.5	681.3
20°	858.7	859.1	855.4	850.3	838.4	823.6	805.7	777.2	753.4	723.4	691.6
22.5°	866.2	866.3	864.7	860.0	850.8	839.0	820.9	797.0	768.2	735.6	703.8
25°	841.5	840.8	842.6	847.9	844.5	840.8	830.3	812.6	785.7	751.3	717.0
27.5°	750.1	755.8	766.1	779.1	791.7	801.2	803.9	800.3	783.7	755.4	719.5
30°	684.2	691.2	699.0	712.0	737.3	751.7	767.6	779.6	772.9	750.3	716.9
32.5°	611.9	613.6	625.1	639.9	663.1	690.9	716.1	740.5	748.6	736.8	708.9
35°	497.6	500.5	512.9	527.5	555.9	590.0	627.8	661.7	689.6	700.8	686.5
37.5°	406.0	414.2	423.0	438.8	463.7	494.4	533.7	577.6	619.1	647.0	651.8
40°	362.7	367.8	374.1	386.2	407.3	437.5	471.3	521.4	565.7	605.6	618.6
42.5°	328.5	331.5	335.4	346.2	362.3	392.4	423.3	467.4	511.7	559.5	581.3
45°	279.1	282.2	288.8	295.1	307.3	328.0	356.8	393.0	437.7	483.7	524.1
47.5°	243.6	245.5	249.3	256.1	266.6	280.3	303.6	333.9	375.2	420.0	463.0
50°	223.3	225.0	228.0	234.1	242.1	254.3	273.5	301.8	334.2	379.2	421.4
52.5°	207.3	208.0	210.3	214.4	220.8	231.0	246.8	270.2	300.3	340.4	382.5
55°	182.6	183.4	185.5	188.5	194.0	200.5	212.5	230.1	256.3	291.2	327.7
57.5°	162.2	162.8	164.5	165.7	170.2	175.5	184.8	197.3	217.1	246.8	279.3
60°	149.1	148.8	150.8	151.8	154.9	159.4	166.5	178.5	195.8	219.6	249.6
62.5°	136.5	135.9	137.6	139.0	140.7	144.5	150.3	159.7	173.8	195.4	221.3
65°	117.4	116.6	117.6	119.2	120.8	122.9	127.2	135.5	146.7	162.2	181.9
67.5°	98.2	99.1	99.3	100.0	101.0	103.8	106.7	112.6	120.5	132.9	149.6
70°	86.8	87.0	87.8	87.8	88.4	90.9	93.3	96.8	104.5	116.0	129.6
72.5°	75.4	76.3	75.9	76.5	77.1	78.7	80.4	83.8	90.3	98.8	110.4
75°	58.7	59.3	59.3	59.5	60.1	60.7	62.2	64.6	69.3	75.6	83.5
77.5°	42.8	42.9	43.1	43.9	43.9	44.9	45.9	47.9	50.2	54.5	59.4
80°	33.0	33.4	33.2	33.7	33.7	34.4	34.9	37.3	38.3	41.2	45.0
82.5°	24.2	24.6	24.5	25.1	25.5	25.7	26.2	27.2	28.2	30.7	32.3
85°	12.2	12.7	12.2	12.7	13.3	13.4	14.0	14.3	15.1	15.7	17.1
87.5°	11.4	11.7	11.6	11.7	11.9	11.8	11.6	11.1	11.5	11.3	11.5
90°	38.9	38.4	37.8	37.2	36.7	35.5	33.8	32.0	30.3	28.6	26.3
92.5°	57.6	57.3	56.9	56.6	56.2	55.5	54.5	53.5	52.4	51.4	49.8
95°	102.5	102.5	102.5	102.5	102.5	102.1	101.3	100.4	99.5	98.7	96.7
97.5°	160.7	160.7	160.7	160.7	160.7	160.2	159.2	158.2	157.0	156.0	153.7
100°	201.2	201.2	201.2	201.2	201.2	201.0	200.4	199.8	199.2	198.6	196.0
102.5°	246.9	246.7	246.5	246.2	246.0	245.5	244.7	243.8	243.1	242.3	239.9
105°	316.8	315.9	315.0	314.2	313.3	312.5	311.6	310.7	309.9	309.0	307.8
107.5°	384.8	384.9	385.0	385.0	385.0	384.7	383.8	383.1	382.2	381.4	381.3
110°	433.6	432.7	431.9	431.0	430.2	430.0	430.6	431.2	431.7	432.3	432.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	483.5	483.3	483.1	482.9	482.8	482.8	482.8	482.9	483.1	483.2	483.7
115°	560.9	561.1	561.5	561.7	562.0	562.3	562.6	562.8	563.2	563.4	564.0
117.5°	634.6	635.2	635.8	636.3	636.9	637.7	638.7	639.6	640.6	641.6	642.0
120°	690.7	690.1	689.5	689.0	688.4	688.8	690.3	691.6	693.1	694.6	695.4
122.5°	737.4	738.5	739.5	740.5	741.6	742.6	743.6	744.5	745.5	746.5	746.9
125°	817.9	818.5	819.1	819.6	820.2	820.8	821.4	821.9	822.5	823.1	823.4
127.5°	892.4	892.9	893.4	893.8	894.2	894.8	895.4	896.0	896.5	897.1	897.6
130°	941.2	942.4	943.6	944.7	945.8	946.7	947.3	947.9	948.5	949.0	949.0
132.5°	993.2	993.6	994.1	994.5	995.0	995.5	996.1	996.7	997.3	997.8	998.1
135°	1064.5	1065.4	1066.3	1067.1	1068.0	1068.8	1069.4	1069.9	1070.5	1071.1	1071.1
137.5°	1139.6	1139.4	1139.3	1139.1	1138.9	1139.2	1140.0	1140.7	1141.4	1142.2	1141.8
140°	1185.3	1185.6	1185.9	1186.2	1186.5	1186.7	1187.1	1187.3	1187.6	1187.9	1187.9
142.5°	1231.0	1231.1	1231.1	1231.1	1231.2	1231.3	1231.3	1231.4	1231.5	1231.5	1231.7
145°	1293.0	1293.9	1294.8	1295.6	1296.5	1297.1	1297.4	1297.7	1298.0	1298.2	1298.0
147.5°	1355.9	1356.2	1356.5	1356.8	1357.0	1357.3	1357.5	1357.8	1358.0	1358.2	1358.5
150°	1394.3	1394.6	1394.9	1395.2	1395.5	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6
152.5°	1429.6	1430.4	1431.2	1431.8	1432.6	1432.6	1431.9	1431.2	1430.6	1429.9	1429.7
155°	1478.7	1479.9	1481.0	1482.1	1483.3	1483.3	1482.1	1481.0	1479.9	1478.7	1479.0
157.5°	1522.6	1523.5	1524.6	1525.5	1526.5	1526.6	1525.7	1524.8	1524.0	1523.1	1523.2
160°	1547.5	1548.9	1550.4	1551.9	1553.2	1553.6	1552.7	1551.9	1551.0	1550.1	1550.4
162.5°	1573.5	1574.9	1576.4	1577.8	1579.2	1579.2	1577.6	1576.1	1574.5	1573.0	1573.2
165°	1607.2	1608.3	1609.6	1610.7	1611.9	1611.5	1609.8	1608.1	1606.4	1604.6	1605.2
167.5°	1631.3	1633.1	1635.0	1636.8	1638.6	1638.6	1636.8	1635.1	1633.4	1631.7	1631.6
170°	1644.9	1646.9	1648.9	1651.0	1652.9	1653.1	1651.4	1649.7	1647.9	1646.1	1645.9
172.5°	1656.3	1658.3	1660.4	1662.3	1664.4	1664.4	1662.4	1660.5	1658.5	1656.6	1656.5
175°	1668.3	1670.3	1672.3	1674.3	1676.4	1676.4	1674.3	1672.3	1670.3	1668.3	1668.5
177.5°	1674.5	1676.4	1678.2	1680.0	1681.9	1682.0	1680.3	1678.8	1677.1	1675.5	1675.5
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	507.7	505.4	503.8	502.5	498.9	496.8	495.2	492.9	490.3	487.5	484.1
5°	536.5	529.6	524.5	516.8	509.5	503.3	497.0	491.3	484.4	476.8	471.3
7.5°	566.8	556.5	543.3	531.8	518.9	507.7	497.7	487.5	476.8	466.4	456.9
10°	586.1	572.8	558.1	540.8	524.5	510.1	496.6	483.5	470.9	458.3	447.5
12.5°	606.7	590.2	568.5	548.3	530.0	510.7	494.5	478.5	463.2	450.0	437.4
15°	634.6	610.7	585.7	558.5	534.5	511.9	489.7	469.5	452.4	434.8	422.6
17.5°	651.6	622.1	593.5	565.2	536.1	507.5	483.5	460.3	438.9	421.5	406.0
20°	662.9	633.5	597.9	569.6	534.9	505.6	477.9	451.9	429.6	411.0	395.1
22.5°	672.6	638.8	603.0	565.8	531.3	500.2	469.8	443.8	420.9	401.4	386.2
25°	678.0	639.0	600.3	563.2	524.1	487.2	459.7	429.1	404.7	384.1	367.8
27.5°	678.6	636.9	593.1	551.9	511.5	477.2	442.5	415.1	389.8	368.0	352.3
30°	676.7	633.4	586.3	541.7	501.1	463.8	433.6	403.9	378.0	356.4	340.1
32.5°	671.0	625.9	577.5	530.2	488.2	451.7	420.6	392.3	367.0	345.8	328.6
35°	654.5	609.8	558.4	509.2	466.2	429.4	401.2	372.5	347.2	327.1	310.6
37.5°	628.7	588.4	536.0	485.2	442.9	405.9	378.0	352.1	329.2	308.8	291.9
40°	606.2	570.8	518.1	468.6	423.0	387.8	361.7	337.9	315.2	295.8	279.7
42.5°	580.3	549.4	500.9	448.5	404.4	369.0	343.6	322.2	300.9	283.0	266.9
45°	534.1	513.7	468.0	419.6	373.7	340.3	316.1	297.3	279.4	261.8	248.4
47.5°	481.0	470.8	432.4	386.3	342.9	309.9	288.9	271.6	255.8	241.0	229.1
50°	445.2	440.3	407.2	362.7	321.2	290.2	269.0	254.1	240.6	227.6	216.4
52.5°	410.0	409.8	379.9	339.2	300.7	271.0	249.9	236.0	224.4	213.8	203.7
55°	356.2	361.9	338.5	302.2	267.8	240.8	221.9	209.5	201.3	192.6	185.0
57.5°	306.8	316.2	296.9	264.9	236.2	211.5	194.9	185.6	176.9	171.6	166.1
60°	274.5	283.4	268.4	241.5	214.4	193.2	177.5	169.1	161.6	157.9	154.0
62.5°	245.8	253.7	242.6	217.7	194.2	173.7	160.5	152.5	147.4	143.4	140.9
65°	204.8	211.5	201.9	183.8	163.6	147.3	136.6	130.2	125.4	123.7	120.8
67.5°	165.6	171.7	166.5	151.1	134.9	122.5	114.1	108.1	105.1	103.8	101.7
70°	142.2	148.4	142.8	129.4	116.9	106.6	98.6	95.1	92.1	91.5	88.7
72.5°	122.5	126.7	121.1	110.6	100.0	91.3	85.1	81.5	79.9	78.8	77.2
75°	91.9	95.6	91.9	83.8	76.2	70.1	64.8	63.4	61.6	61.0	59.9
77.5°	65.0	68.2	65.4	60.4	54.7	49.9	47.1	45.3	44.9	43.8	44.3
80°	49.7	51.7	49.1	45.6	41.2	37.9	35.9	34.9	33.7	33.2	34.0
82.5°	35.7	36.6	35.2	32.9	29.6	27.5	26.1	24.9	24.6	24.7	24.7
85°	18.5	18.3	18.2	16.1	15.1	13.7	12.8	12.7	12.4	12.8	13.3
87.5°	11.0	10.7	10.1	8.9	7.7	6.6	5.9	5.0	5.9	6.6	7.4
90°	23.9	21.6	19.4	16.6	13.4	10.2	7.1	3.9	7.1	10.2	13.4
92.5°	48.2	46.6	44.9	42.4	38.7	35.0	31.4	27.8	31.4	35.0	38.7
95°	94.6	92.6	90.6	88.3	85.7	83.1	80.5	77.9	80.5	83.1	85.7
97.5°	151.3	149.0	146.6	144.4	142.3	140.2	138.1	136.0	138.1	140.2	142.3
100°	193.5	190.9	188.2	186.4	185.2	184.1	182.9	181.8	182.9	184.1	185.2
102.5°	237.5	235.1	232.8	231.4	230.9	230.5	230.0	229.5	230.0	230.5	230.9
105°	306.7	305.5	304.4	303.7	303.3	303.1	302.8	302.5	302.8	303.1	303.3
107.5°	381.1	380.9	380.7	380.5	380.1	379.8	379.4	379.1	379.4	379.8	380.1
110°	432.9	433.2	433.5	433.3	432.7	432.1	431.6	431.0	431.6	432.1	432.7



TEST NUMBER: P332740-935

CATALOG NUMBER: S124DIW-S350D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	484.2	484.7	485.3	485.5	485.3	485.3	485.2	485.0	485.2	485.3	485.3
115°	564.6	565.2	565.8	566.0	566.0	566.0	566.0	566.0	566.0	566.0	566.0
117.5°	642.4	642.8	643.3	643.3	643.1	642.8	642.6	642.4	642.6	642.8	643.1
120°	696.3	697.2	698.0	697.8	696.7	695.6	694.4	693.3	694.4	695.6	696.7
122.5°	747.3	747.7	748.1	748.0	747.6	747.2	746.7	746.2	746.7	747.2	747.6
125°	823.6	824.0	824.2	824.4	824.4	824.4	824.4	824.4	824.4	824.4	824.4
127.5°	898.0	898.5	899.0	898.7	897.9	897.0	896.1	895.3	896.1	897.0	897.9
130°	949.0	949.0	949.0	948.6	947.7	946.8	946.0	945.1	946.0	946.8	947.7
132.5°	998.3	998.5	998.8	998.6	997.9	997.3	996.7	996.0	996.7	997.3	997.9
135°	1071.1	1071.1	1071.1	1070.2	1068.5	1066.7	1065.0	1063.2	1065.0	1066.7	1068.5
137.5°	1141.3	1140.8	1140.4	1139.7	1138.9	1138.1	1137.3	1136.5	1137.3	1138.1	1138.9
140°	1187.9	1187.9	1187.9	1187.6	1187.1	1186.5	1185.9	1185.3	1185.9	1186.5	1187.1
142.5°	1232.0	1232.2	1232.4	1232.3	1231.7	1231.1	1230.5	1229.9	1230.5	1231.1	1231.7
145°	1297.7	1297.4	1297.1	1296.4	1295.2	1294.1	1292.9	1291.8	1292.9	1294.1	1295.2
147.5°	1358.7	1358.9	1359.2	1358.6	1357.2	1355.8	1354.4	1353.1	1354.4	1355.8	1357.2
150°	1395.6	1395.6	1395.6	1395.1	1393.9	1392.8	1391.5	1390.4	1391.5	1392.8	1393.9
152.5°	1429.4	1429.2	1429.0	1428.5	1427.8	1427.1	1426.4	1425.7	1426.4	1427.1	1427.8
155°	1479.3	1479.5	1479.9	1480.0	1480.0	1480.0	1480.0	1480.0	1480.0	1480.0	1480.0
157.5°	1523.2	1523.3	1523.4	1523.6	1524.1	1524.7	1525.2	1525.7	1525.2	1524.7	1524.1
160°	1550.7	1551.0	1551.3	1551.5	1551.9	1552.1	1552.4	1552.7	1552.4	1552.1	1551.9
162.5°	1573.6	1573.8	1574.1	1574.6	1575.4	1576.1	1576.9	1577.6	1576.9	1576.1	1575.4
165°	1605.8	1606.4	1607.0	1607.7	1608.5	1609.4	1610.2	1611.1	1610.2	1609.4	1608.5
167.5°	1631.5	1631.5	1631.4	1632.0	1633.2	1634.4	1635.6	1636.8	1635.6	1634.4	1633.2
170°	1645.6	1645.3	1645.0	1645.6	1647.0	1648.5	1649.9	1651.4	1649.9	1648.5	1647.0
172.5°	1656.5	1656.4	1656.3	1656.9	1658.1	1659.3	1660.5	1661.7	1660.5	1659.3	1658.1
175°	1668.8	1669.1	1669.4	1670.3	1671.7	1673.2	1674.6	1676.0	1674.6	1673.2	1671.7
177.5°	1675.5	1675.5	1675.5	1676.1	1677.2	1678.4	1679.6	1680.7	1679.6	1678.4	1677.2
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332740-935

CATALOG NUMBER: S124DIW-S350D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	482.4	481.0	478.9	476.0	473.5	470.9	470.2	469.2	471.2	469.6	469.1
5°	466.7	462.4	456.8	450.6	446.9	441.6	440.6	438.5	436.4	436.3	434.2
7.5°	449.9	443.6	436.4	430.0	424.0	418.2	414.4	413.6	410.6	408.8	406.8
10°	439.1	431.4	423.0	416.9	410.0	403.9	399.6	397.2	395.1	392.9	390.8
12.5°	426.5	418.2	411.3	404.7	396.5	391.8	384.8	380.6	380.1	380.1	374.9
15°	411.6	403.5	392.9	383.5	379.0	370.1	366.2	361.3	358.3	355.2	352.8
17.5°	394.7	384.5	376.3	365.5	357.0	349.8	344.7	341.8	337.2	332.9	329.8
20°	384.1	373.3	364.5	353.1	343.8	335.0	330.7	326.7	323.2	319.5	316.1
22.5°	373.3	362.1	351.4	340.3	331.6	322.3	318.1	312.6	309.4	307.3	303.8
25°	356.4	344.1	331.9	321.3	312.4	304.2	298.8	294.5	290.8	289.1	286.9
27.5°	337.9	325.8	314.0	302.0	291.8	285.9	281.5	278.3	276.1	274.0	272.9
30°	326.2	313.6	301.0	289.7	280.4	274.5	270.4	268.2	266.6	265.5	264.5
32.5°	314.4	301.9	288.6	278.4	269.9	264.7	261.6	259.3	258.6	258.2	257.8
35°	295.2	282.7	270.4	261.2	253.3	251.2	248.6	247.4	246.9	248.4	249.0
37.5°	276.8	265.1	253.8	245.0	239.7	236.8	235.8	235.9	237.4	238.6	240.0
40°	264.9	253.5	242.9	235.1	230.2	228.4	228.0	229.0	230.7	232.1	233.8
42.5°	253.3	242.1	232.5	225.2	221.8	220.1	220.3	221.4	223.7	225.4	227.8
45°	235.4	226.0	216.6	210.7	207.8	208.3	208.3	210.1	212.3	215.0	217.7
47.5°	218.4	209.0	201.3	196.3	194.8	194.5	195.6	198.0	201.2	204.5	208.2
50°	207.1	198.0	191.3	186.8	185.2	185.8	187.4	189.7	193.6	197.7	201.6
52.5°	195.4	187.3	181.1	176.9	175.7	176.8	178.5	182.0	185.5	189.9	194.5
55°	177.5	170.6	165.7	162.6	162.2	162.8	164.6	168.5	173.4	178.9	183.4
57.5°	159.6	153.8	149.3	147.2	147.4	148.0	151.0	155.6	160.8	166.7	172.5
60°	147.5	142.2	138.5	136.9	137.2	138.4	142.1	146.3	152.8	158.5	164.6
62.5°	136.1	131.5	127.9	126.5	126.2	128.9	132.4	136.8	143.4	149.7	156.4
65°	117.8	114.1	111.2	110.5	111.1	113.1	117.6	123.5	129.0	135.7	142.7
67.5°	99.9	96.9	94.9	95.2	96.0	99.0	102.7	107.8	114.1	121.1	127.9
70°	88.4	85.6	83.9	84.1	85.4	89.0	92.3	97.4	104.1	111.2	116.9
72.5°	76.7	74.8	73.4	74.2	75.4	77.9	82.1	87.1	93.1	99.7	105.7
75°	58.9	58.9	58.1	58.7	60.5	62.9	66.0	71.3	77.2	82.6	87.4
77.5°	43.7	43.2	43.7	44.5	45.5	48.5	52.0	55.8	60.2	65.5	69.6
80°	33.4	33.7	34.6	35.9	36.2	38.5	42.2	45.6	49.1	53.6	57.4
82.5°	25.1	25.3	25.8	27.4	27.8	30.2	32.5	36.0	39.2	42.2	45.4
85°	13.7	13.7	14.6	15.3	16.3	17.9	19.4	21.4	24.3	26.3	29.4
87.5°	8.5	9.0	10.2	11.0	12.0	13.2	13.9	16.0	17.0	18.2	19.9
90°	16.6	19.4	21.6	23.9	26.3	28.6	30.3	32.0	33.8	35.5	36.7
92.5°	42.4	44.9	46.6	48.2	49.8	51.4	52.4	53.5	54.5	55.5	56.2
95°	88.3	90.6	92.6	94.6	96.7	98.7	99.5	100.4	101.3	102.1	102.5
97.5°	144.4	146.6	149.0	151.3	153.7	156.0	157.0	158.2	159.2	160.2	160.7
100°	186.4	188.2	190.9	193.5	196.0	198.6	199.2	199.8	200.4	201.0	201.2
102.5°	231.4	232.8	235.1	237.5	239.9	242.3	243.1	243.8	244.7	245.5	246.0
105°	303.7	304.4	305.5	306.7	307.8	309.0	309.9	310.7	311.6	312.5	313.3
107.5°	380.5	380.7	380.9	381.1	381.3	381.4	382.2	383.1	383.8	384.7	385.0
110°	433.3	433.5	433.2	432.9	432.6	432.3	431.7	431.2	430.6	430.0	430.2



TEST NUMBER: P332740-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	485.5	485.3	484.7	484.2	483.7	483.2	483.1	482.9	482.8	482.8	482.8
115°	566.0	565.8	565.2	564.6	564.0	563.4	563.2	562.8	562.6	562.3	562.0
117.5°	643.3	643.3	642.8	642.4	642.0	641.6	640.6	639.6	638.7	637.7	636.9
120°	697.8	698.0	697.2	696.3	695.4	694.6	693.1	691.6	690.3	688.8	688.4
122.5°	748.0	748.1	747.7	747.3	746.9	746.5	745.5	744.5	743.6	742.6	741.6
125°	824.4	824.2	824.0	823.6	823.4	823.1	822.5	821.9	821.4	820.8	820.2
127.5°	898.7	899.0	898.5	898.0	897.6	897.1	896.5	896.0	895.4	894.8	894.2
130°	948.6	949.0	949.0	949.0	949.0	949.0	948.5	947.9	947.3	946.7	945.8
132.5°	998.6	998.8	998.5	998.3	998.1	997.8	997.3	996.7	996.1	995.5	995.0
135°	1070.2	1071.1	1071.1	1071.1	1071.1	1071.1	1070.5	1069.9	1069.4	1068.8	1068.0
137.5°	1139.7	1140.4	1140.8	1141.3	1141.8	1142.2	1141.4	1140.7	1140.0	1139.2	1138.9
140°	1187.6	1187.9	1187.9	1187.9	1187.9	1187.9	1187.6	1187.3	1187.1	1186.7	1186.5
142.5°	1232.3	1232.4	1232.2	1232.0	1231.7	1231.5	1231.5	1231.4	1231.3	1231.3	1231.2
145°	1296.4	1297.1	1297.4	1297.7	1298.0	1298.2	1298.0	1297.7	1297.4	1297.1	1296.5
147.5°	1358.6	1359.2	1358.9	1358.7	1358.5	1358.2	1358.0	1357.8	1357.5	1357.3	1357.0
150°	1395.1	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.5
152.5°	1428.5	1429.0	1429.2	1429.4	1429.7	1429.9	1430.6	1431.2	1431.9	1432.6	1432.6
155°	1480.0	1479.9	1479.5	1479.3	1479.0	1478.7	1479.9	1481.0	1482.1	1483.3	1483.3
157.5°	1523.6	1523.4	1523.3	1523.2	1523.2	1523.1	1524.0	1524.8	1525.7	1526.6	1526.5
160°	1551.5	1551.3	1551.0	1550.7	1550.4	1550.1	1551.0	1551.9	1552.7	1553.6	1553.2
162.5°	1574.6	1574.1	1573.8	1573.6	1573.2	1573.0	1574.5	1576.1	1577.6	1579.2	1579.2
165°	1607.7	1607.0	1606.4	1605.8	1605.2	1604.6	1606.4	1608.1	1609.8	1611.5	1611.9
167.5°	1632.0	1631.4	1631.5	1631.5	1631.6	1631.7	1633.4	1635.1	1636.8	1638.6	1638.6
170°	1645.6	1645.0	1645.3	1645.6	1645.9	1646.1	1647.9	1649.7	1651.4	1653.1	1652.9
172.5°	1656.9	1656.3	1656.4	1656.5	1656.5	1656.6	1658.5	1660.5	1662.4	1664.4	1664.4
175°	1670.3	1669.4	1669.1	1668.8	1668.5	1668.3	1670.3	1672.3	1674.3	1676.4	1676.4
177.5°	1676.1	1675.5	1675.5	1675.5	1675.5	1675.5	1677.1	1678.8	1680.3	1682.0	1681.9
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332740-935

CATALOG NUMBER: S124DIW-S350D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	468.7	468.5	467.3	467.1	467.3	468.5	468.7	469.1	469.6	471.2	469.2
5°	433.0	432.0	431.4	433.6	431.4	432.0	433.0	434.2	436.3	436.4	438.5
7.5°	406.0	405.3	403.5	402.9	403.5	405.3	406.0	406.8	408.8	410.6	413.6
10°	388.8	388.0	386.3	385.9	386.3	388.0	388.8	390.8	392.9	395.1	397.2
12.5°	372.1	370.6	370.2	370.7	370.2	370.6	372.1	374.9	380.1	380.1	380.6
15°	350.1	349.2	347.0	347.7	347.0	349.2	350.1	352.8	355.2	358.3	361.3
17.5°	328.3	327.4	324.6	327.0	324.6	327.4	328.3	329.8	332.9	337.2	341.8
20°	314.6	313.0	311.6	311.3	311.6	313.0	314.6	316.1	319.5	323.2	326.7
22.5°	301.6	300.1	300.0	298.7	300.0	300.1	301.6	303.8	307.3	309.4	312.6
25°	285.2	283.9	283.4	282.4	283.4	283.9	285.2	286.9	289.1	290.8	294.5
27.5°	272.8	272.1	271.3	271.6	271.3	272.1	272.8	272.9	274.0	276.1	278.3
30°	265.1	264.9	264.5	264.5	264.5	264.9	265.1	264.5	265.5	266.6	268.2
32.5°	258.7	258.7	259.0	259.0	259.0	258.7	258.7	257.8	258.2	258.6	259.3
35°	249.9	250.5	250.8	250.2	250.8	250.5	249.9	249.0	248.4	246.9	247.4
37.5°	241.8	242.4	243.0	243.7	243.0	242.4	241.8	240.0	238.6	237.4	235.9
40°	235.6	236.9	237.4	238.4	237.4	236.9	235.6	233.8	232.1	230.7	229.0
42.5°	229.7	231.3	232.3	232.6	232.3	231.3	229.7	227.8	225.4	223.7	221.4
45°	220.7	222.3	223.8	223.8	223.8	222.3	220.7	217.7	215.0	212.3	210.1
47.5°	211.4	213.7	215.2	215.5	215.2	213.7	211.4	208.2	204.5	201.2	198.0
50°	205.0	207.8	209.3	210.3	209.3	207.8	205.0	201.6	197.7	193.6	189.7
52.5°	198.8	201.6	203.5	204.1	203.5	201.6	198.8	194.5	189.9	185.5	182.0
55°	188.0	192.2	194.4	195.2	194.4	192.2	188.0	183.4	178.9	173.4	168.5
57.5°	178.0	181.8	184.3	184.9	184.3	181.8	178.0	172.5	166.7	160.8	155.6
60°	170.1	174.3	177.5	178.1	177.5	174.3	170.1	164.6	158.5	152.8	146.3
62.5°	162.1	166.4	169.4	170.9	169.4	166.4	162.1	156.4	149.7	143.4	136.8
65°	148.4	152.7	155.5	156.1	155.5	152.7	148.4	142.7	135.7	129.0	123.5
67.5°	133.3	137.6	139.4	140.6	139.4	137.6	133.3	127.9	121.1	114.1	107.8
70°	122.7	126.1	128.2	129.2	128.2	126.1	122.7	116.9	111.2	104.1	97.4
72.5°	110.6	114.3	116.6	116.8	116.6	114.3	110.6	105.7	99.7	93.1	87.1
75°	92.1	95.4	96.6	96.6	96.6	95.4	92.1	87.4	82.6	77.2	71.3
77.5°	72.9	74.6	76.1	76.5	76.1	74.6	72.9	69.6	65.5	60.2	55.8
80°	60.5	61.6	62.8	62.8	62.8	61.6	60.5	57.4	53.6	49.1	45.6
82.5°	47.8	48.6	49.9	49.7	49.9	48.6	47.8	45.4	42.2	39.2	36.0
85°	28.9	30.7	30.6	30.1	30.6	30.7	28.9	29.4	26.3	24.3	21.4
87.5°	20.5	20.8	21.4	21.8	21.4	20.8	20.5	19.9	18.2	17.0	16.0
90°	37.2	37.8	38.4	38.9	38.4	37.8	37.2	36.7	35.5	33.8	32.0
92.5°	56.6	56.9	57.3	57.6	57.3	56.9	56.6	56.2	55.5	54.5	53.5
95°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.1	101.3	100.4
97.5°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.2	159.2	158.2
100°	201.2	201.2	201.2	201.2	201.2	201.2	201.2	201.2	201.0	200.4	199.8
102.5°	246.2	246.5	246.7	246.9	246.7	246.5	246.2	246.0	245.5	244.7	243.8
105°	314.2	315.0	315.9	316.8	315.9	315.0	314.2	313.3	312.5	311.6	310.7
107.5°	385.0	385.0	384.9	384.8	384.9	385.0	385.0	385.0	384.7	383.8	383.1
110°	431.0	431.9	432.7	433.6	432.7	431.9	431.0	430.2	430.0	430.6	431.2



TEST NUMBER: P332740-935

CATALOG NUMBER: S124DIW-S350D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	482.9	483.1	483.3	483.5	483.3	483.1	482.9	482.8	482.8	482.8	482.9
115°	561.7	561.5	561.1	560.9	561.1	561.5	561.7	562.0	562.3	562.6	562.8
117.5°	636.3	635.8	635.2	634.6	635.2	635.8	636.3	636.9	637.7	638.7	639.6
120°	689.0	689.5	690.1	690.7	690.1	689.5	689.0	688.4	688.8	690.3	691.6
122.5°	740.5	739.5	738.5	737.4	738.5	739.5	740.5	741.6	742.6	743.6	744.5
125°	819.6	819.1	818.5	817.9	818.5	819.1	819.6	820.2	820.8	821.4	821.9
127.5°	893.8	893.4	892.9	892.4	892.9	893.4	893.8	894.2	894.8	895.4	896.0
130°	944.7	943.6	942.4	941.2	942.4	943.6	944.7	945.8	946.7	947.3	947.9
132.5°	994.5	994.1	993.6	993.2	993.6	994.1	994.5	995.0	995.5	996.1	996.7
135°	1067.1	1066.3	1065.4	1064.5	1065.4	1066.3	1067.1	1068.0	1068.8	1069.4	1069.9
137.5°	1139.1	1139.3	1139.4	1139.6	1139.4	1139.3	1139.1	1138.9	1139.2	1140.0	1140.7
140°	1186.2	1185.9	1185.6	1185.3	1185.6	1185.9	1186.2	1186.5	1186.7	1187.1	1187.3
142.5°	1231.1	1231.1	1231.1	1231.0	1231.1	1231.1	1231.1	1231.2	1231.3	1231.3	1231.4
145°	1295.6	1294.8	1293.9	1293.0	1293.9	1294.8	1295.6	1296.5	1297.1	1297.4	1297.7
147.5°	1356.8	1356.5	1356.2	1355.9	1356.2	1356.5	1356.8	1357.0	1357.3	1357.5	1357.8
150°	1395.2	1394.9	1394.6	1394.3	1394.6	1394.9	1395.2	1395.5	1395.6	1395.6	1395.6
152.5°	1431.8	1431.2	1430.4	1429.6	1430.4	1431.2	1431.8	1432.6	1432.6	1431.9	1431.2
155°	1482.1	1481.0	1479.9	1478.7	1479.9	1481.0	1482.1	1483.3	1483.3	1482.1	1481.0
157.5°	1525.5	1524.6	1523.5	1522.6	1523.5	1524.6	1525.5	1526.5	1526.6	1525.7	1524.8
160°	1551.9	1550.4	1548.9	1547.5	1548.9	1550.4	1551.9	1553.2	1553.6	1552.7	1551.9
162.5°	1577.8	1576.4	1574.9	1573.5	1574.9	1576.4	1577.8	1579.2	1579.2	1577.6	1576.1
165°	1610.7	1609.6	1608.3	1607.2	1608.3	1609.6	1610.7	1611.9	1611.5	1609.8	1608.1
167.5°	1636.8	1635.0	1633.1	1631.3	1633.1	1635.0	1636.8	1638.6	1638.6	1636.8	1635.1
170°	1651.0	1648.9	1646.9	1644.9	1646.9	1648.9	1651.0	1652.9	1653.1	1651.4	1649.7
172.5°	1662.3	1660.4	1658.3	1656.3	1658.3	1660.4	1662.3	1664.4	1664.4	1662.4	1660.5
175°	1674.3	1672.3	1670.3	1668.3	1670.3	1672.3	1674.3	1676.4	1676.4	1674.3	1672.3
177.5°	1680.0	1678.2	1676.4	1674.5	1676.4	1678.2	1680.0	1681.9	1682.0	1680.3	1678.8
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332740-935

CATALOG NUMBER: S124DIW-S350D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	470.2	470.9	473.5	476.0	478.9	481.0	482.4	484.1	487.5	490.3	492.9
5°	440.6	441.6	446.9	450.6	456.8	462.4	466.7	471.3	476.8	484.4	491.3
7.5°	414.4	418.2	424.0	430.0	436.4	443.6	449.9	456.9	466.4	476.8	487.5
10°	399.6	403.9	410.0	416.9	423.0	431.4	439.1	447.5	458.3	470.9	483.5
12.5°	384.8	391.8	396.5	404.7	411.3	418.2	426.5	437.4	450.0	463.2	478.5
15°	366.2	370.1	379.0	383.5	392.9	403.5	411.6	422.6	434.8	452.4	469.5
17.5°	344.7	349.8	357.0	365.5	376.3	384.5	394.7	406.0	421.5	438.9	460.3
20°	330.7	335.0	343.8	353.1	364.5	373.3	384.1	395.1	411.0	429.6	451.9
22.5°	318.1	322.3	331.6	340.3	351.4	362.1	373.3	386.2	401.4	420.9	443.8
25°	298.8	304.2	312.4	321.3	331.9	344.1	356.4	367.8	384.1	404.7	429.1
27.5°	281.5	285.9	291.8	302.0	314.0	325.8	337.9	352.3	368.0	389.8	415.1
30°	270.4	274.5	280.4	289.7	301.0	313.6	326.2	340.1	356.4	378.0	403.9
32.5°	261.6	264.7	269.9	278.4	288.6	301.9	314.4	328.6	345.8	367.0	392.3
35°	248.6	251.2	253.3	261.2	270.4	282.7	295.2	310.6	327.1	347.2	372.5
37.5°	235.8	236.8	239.7	245.0	253.8	265.1	276.8	291.9	308.8	329.2	352.1
40°	228.0	228.4	230.2	235.1	242.9	253.5	264.9	279.7	295.8	315.2	337.9
42.5°	220.3	220.1	221.8	225.2	232.5	242.1	253.3	266.9	283.0	300.9	322.2
45°	208.3	208.3	207.8	210.7	216.6	226.0	235.4	248.4	261.8	279.4	297.3
47.5°	195.6	194.5	194.8	196.3	201.3	209.0	218.4	229.1	241.0	255.8	271.6
50°	187.4	185.8	185.2	186.8	191.3	198.0	207.1	216.4	227.6	240.6	254.1
52.5°	178.5	176.8	175.7	176.9	181.1	187.3	195.4	203.7	213.8	224.4	236.0
55°	164.6	162.8	162.2	162.6	165.7	170.6	177.5	185.0	192.6	201.3	209.5
57.5°	151.0	148.0	147.4	147.2	149.3	153.8	159.6	166.1	171.6	176.9	185.6
60°	142.1	138.4	137.2	136.9	138.5	142.2	147.5	154.0	157.9	161.6	169.1
62.5°	132.4	128.9	126.2	126.5	127.9	131.5	136.1	140.9	143.4	147.4	152.5
65°	117.6	113.1	111.1	110.5	111.2	114.1	117.8	120.8	123.7	125.4	130.2
67.5°	102.7	99.0	96.0	95.2	94.9	96.9	99.9	101.7	103.8	105.1	108.1
70°	92.3	89.0	85.4	84.1	83.9	85.6	88.4	88.7	91.5	92.1	95.1
72.5°	82.1	77.9	75.4	74.2	73.4	74.8	76.7	77.2	78.8	79.9	81.5
75°	66.0	62.9	60.5	58.7	58.1	58.9	58.9	59.9	61.0	61.6	63.4
77.5°	52.0	48.5	45.5	44.5	43.7	43.2	43.7	44.3	43.8	44.9	45.3
80°	42.2	38.5	36.2	35.9	34.6	33.7	33.4	34.0	33.2	33.7	34.9
82.5°	32.5	30.2	27.8	27.4	25.8	25.3	25.1	24.7	24.7	24.6	24.9
85°	19.4	17.9	16.3	15.3	14.6	13.7	13.7	13.3	12.8	12.4	12.7
87.5°	13.9	13.2	12.0	11.0	10.2	9.0	8.5	7.4	6.6	5.9	5.0
90°	30.3	28.6	26.3	23.9	21.6	19.4	16.6	13.4	10.2	7.1	3.9
92.5°	52.4	51.4	49.8	48.2	46.6	44.9	42.4	38.7	35.0	31.4	27.8
95°	99.5	98.7	96.7	94.6	92.6	90.6	88.3	85.7	83.1	80.5	77.9
97.5°	157.0	156.0	153.7	151.3	149.0	146.6	144.4	142.3	140.2	138.1	136.0
100°	199.2	198.6	196.0	193.5	190.9	188.2	186.4	185.2	184.1	182.9	181.8
102.5°	243.1	242.3	239.9	237.5	235.1	232.8	231.4	230.9	230.5	230.0	229.5
105°	309.9	309.0	307.8	306.7	305.5	304.4	303.7	303.3	303.1	302.8	302.5
107.5°	382.2	381.4	381.3	381.1	380.9	380.7	380.5	380.1	379.8	379.4	379.1
110°	431.7	432.3	432.6	432.9	433.2	433.5	433.3	432.7	432.1	431.6	431.0



TEST NUMBER: P332740-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	483.1	483.2	483.7	484.2	484.7	485.3	485.5	485.3	485.3	485.2	485.0
115°	563.2	563.4	564.0	564.6	565.2	565.8	566.0	566.0	566.0	566.0	566.0
117.5°	640.6	641.6	642.0	642.4	642.8	643.3	643.3	643.1	642.8	642.6	642.4
120°	693.1	694.6	695.4	696.3	697.2	698.0	697.8	696.7	695.6	694.4	693.3
122.5°	745.5	746.5	746.9	747.3	747.7	748.1	748.0	747.6	747.2	746.7	746.2
125°	822.5	823.1	823.4	823.6	824.0	824.2	824.4	824.4	824.4	824.4	824.4
127.5°	896.5	897.1	897.6	898.0	898.5	899.0	898.7	897.9	897.0	896.1	895.3
130°	948.5	949.0	949.0	949.0	949.0	949.0	948.6	947.7	946.8	946.0	945.1
132.5°	997.3	997.8	998.1	998.3	998.5	998.8	998.6	997.9	997.3	996.7	996.0
135°	1070.5	1071.1	1071.1	1071.1	1071.1	1071.1	1070.2	1068.5	1066.7	1065.0	1063.2
137.5°	1141.4	1142.2	1141.8	1141.3	1140.8	1140.4	1139.7	1138.9	1138.1	1137.3	1136.5
140°	1187.6	1187.9	1187.9	1187.9	1187.9	1187.9	1187.6	1187.1	1186.5	1185.9	1185.3
142.5°	1231.5	1231.5	1231.7	1232.0	1232.2	1232.4	1232.3	1231.7	1231.1	1230.5	1229.9
145°	1298.0	1298.2	1298.0	1297.7	1297.4	1297.1	1296.4	1295.2	1294.1	1292.9	1291.8
147.5°	1358.0	1358.2	1358.5	1358.7	1358.9	1359.2	1358.6	1357.2	1355.8	1354.4	1353.1
150°	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.1	1393.9	1392.8	1391.5	1390.4
152.5°	1430.6	1429.9	1429.7	1429.4	1429.2	1429.0	1428.5	1427.8	1427.1	1426.4	1425.7
155°	1479.9	1478.7	1479.0	1479.3	1479.5	1479.9	1480.0	1480.0	1480.0	1480.0	1480.0
157.5°	1524.0	1523.1	1523.2	1523.2	1523.3	1523.4	1523.6	1524.1	1524.7	1525.2	1525.7
160°	1551.0	1550.1	1550.4	1550.7	1551.0	1551.3	1551.5	1551.9	1552.1	1552.4	1552.7
162.5°	1574.5	1573.0	1573.2	1573.6	1573.8	1574.1	1574.6	1575.4	1576.1	1576.9	1577.6
165°	1606.4	1604.6	1605.2	1605.8	1606.4	1607.0	1607.7	1608.5	1609.4	1610.2	1611.1
167.5°	1633.4	1631.7	1631.6	1631.5	1631.5	1631.4	1632.0	1633.2	1634.4	1635.6	1636.8
170°	1647.9	1646.1	1645.9	1645.6	1645.3	1645.0	1645.6	1647.0	1648.5	1649.9	1651.4
172.5°	1658.5	1656.6	1656.5	1656.5	1656.4	1656.3	1656.9	1658.1	1659.3	1660.5	1661.7
175°	1670.3	1668.3	1668.5	1668.8	1669.1	1669.4	1670.3	1671.7	1673.2	1674.6	1676.0
177.5°	1677.1	1675.5	1675.5	1675.5	1675.5	1675.5	1676.1	1677.2	1678.4	1679.6	1680.7
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332740-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	495.2	496.8	498.9	502.5	503.8	505.4	507.7	507.6	508.2	510.7	515.8
5°	497.0	503.3	509.5	516.8	524.5	529.6	536.5	540.8	545.1	550.6	560.0
7.5°	497.7	507.7	518.9	531.8	543.3	556.5	566.8	576.5	585.3	596.8	608.0
10°	496.6	510.1	524.5	540.8	558.1	572.8	586.1	601.2	614.0	628.0	640.7
12.5°	494.5	510.7	530.0	548.3	568.5	590.2	606.7	622.0	639.0	655.2	674.8
15°	489.7	511.9	534.5	558.5	585.7	610.7	634.6	654.3	672.6	696.9	722.4
17.5°	483.5	507.5	536.1	565.2	593.5	622.1	651.6	681.3	704.5	734.6	754.5
20°	477.9	505.6	534.9	569.6	597.9	633.5	662.9	691.6	723.4	753.4	777.2
22.5°	469.8	500.2	531.3	565.8	603.0	638.8	672.6	703.8	735.6	768.2	797.0
25°	459.7	487.2	524.1	563.2	600.3	639.0	678.0	717.0	751.3	785.7	812.6
27.5°	442.5	477.2	511.5	551.9	593.1	636.9	678.6	719.5	755.4	783.7	800.3
30°	433.6	463.8	501.1	541.7	586.3	633.4	676.7	716.9	750.3	772.9	779.6
32.5°	420.6	451.7	488.2	530.2	577.5	625.9	671.0	708.9	736.8	748.6	740.5
35°	401.2	429.4	466.2	509.2	558.4	609.8	654.5	686.5	700.8	689.6	661.7
37.5°	378.0	405.9	442.9	485.2	536.0	588.4	628.7	651.8	647.0	619.1	577.6
40°	361.7	387.8	423.0	468.6	518.1	570.8	606.2	618.6	605.6	565.7	521.4
42.5°	343.6	369.0	404.4	448.5	500.9	549.4	580.3	581.3	559.5	511.7	467.4
45°	316.1	340.3	373.7	419.6	468.0	513.7	534.1	524.1	483.7	437.7	393.0
47.5°	288.9	309.9	342.9	386.3	432.4	470.8	481.0	463.0	420.0	375.2	333.9
50°	269.0	290.2	321.2	362.7	407.2	440.3	445.2	421.4	379.2	334.2	301.8
52.5°	249.9	271.0	300.7	339.2	379.9	409.8	410.0	382.5	340.4	300.3	270.2
55°	221.9	240.8	267.8	302.2	338.5	361.9	356.2	327.7	291.2	256.3	230.1
57.5°	194.9	211.5	236.2	264.9	296.9	316.2	306.8	279.3	246.8	217.1	197.3
60°	177.5	193.2	214.4	241.5	268.4	283.4	274.5	249.6	219.6	195.8	178.5
62.5°	160.5	173.7	194.2	217.7	242.6	253.7	245.8	221.3	195.4	173.8	159.7
65°	136.6	147.3	163.6	183.8	201.9	211.5	204.8	181.9	162.2	146.7	135.5
67.5°	114.1	122.5	134.9	151.1	166.5	171.7	165.6	149.6	132.9	120.5	112.6
70°	98.6	106.6	116.9	129.4	142.8	148.4	142.2	129.6	116.0	104.5	96.8
72.5°	85.1	91.3	100.0	110.6	121.1	126.7	122.5	110.4	98.8	90.3	83.8
75°	64.8	70.1	76.2	83.8	91.9	95.6	91.9	83.5	75.6	69.3	64.6
77.5°	47.1	49.9	54.7	60.4	65.4	68.2	65.0	59.4	54.5	50.2	47.9
80°	35.9	37.9	41.2	45.6	49.1	51.7	49.7	45.0	41.2	38.3	37.3
82.5°	26.1	27.5	29.6	32.9	35.2	36.6	35.7	32.3	30.7	28.2	27.2
85°	12.8	13.7	15.1	16.1	18.2	18.3	18.5	17.1	15.7	15.1	14.3
87.5°	5.9	6.6	7.7	8.9	10.1	10.7	11.0	11.5	11.3	11.5	11.1
90°	7.1	10.2	13.4	16.6	19.4	21.6	23.9	26.3	28.6	30.3	32.0
92.5°	31.4	35.0	38.7	42.4	44.9	46.6	48.2	49.8	51.4	52.4	53.5
95°	80.5	83.1	85.7	88.3	90.6	92.6	94.6	96.7	98.7	99.5	100.4
97.5°	138.1	140.2	142.3	144.4	146.6	149.0	151.3	153.7	156.0	157.0	158.2
100°	182.9	184.1	185.2	186.4	188.2	190.9	193.5	196.0	198.6	199.2	199.8
102.5°	230.0	230.5	230.9	231.4	232.8	235.1	237.5	239.9	242.3	243.1	243.8
105°	302.8	303.1	303.3	303.7	304.4	305.5	306.7	307.8	309.0	309.9	310.7
107.5°	379.4	379.8	380.1	380.5	380.7	380.9	381.1	381.3	381.4	382.2	383.1
110°	431.6	432.1	432.7	433.3	433.5	433.2	432.9	432.6	432.3	431.7	431.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	485.2	485.3	485.3	485.5	485.3	484.7	484.2	483.7	483.2	483.1	482.9
115°	566.0	566.0	566.0	566.0	565.8	565.2	564.6	564.0	563.4	563.2	562.8
117.5°	642.6	642.8	643.1	643.3	643.3	642.8	642.4	642.0	641.6	640.6	639.6
120°	694.4	695.6	696.7	697.8	698.0	697.2	696.3	695.4	694.6	693.1	691.6
122.5°	746.7	747.2	747.6	748.0	748.1	747.7	747.3	746.9	746.5	745.5	744.5
125°	824.4	824.4	824.4	824.4	824.2	824.0	823.6	823.4	823.1	822.5	821.9
127.5°	896.1	897.0	897.9	898.7	899.0	898.5	898.0	897.6	897.1	896.5	896.0
130°	946.0	946.8	947.7	948.6	949.0	949.0	949.0	949.0	949.0	948.5	947.9
132.5°	996.7	997.3	997.9	998.6	998.8	998.5	998.3	998.1	997.8	997.3	996.7
135°	1065.0	1066.7	1068.5	1070.2	1071.1	1071.1	1071.1	1071.1	1071.1	1070.5	1069.9
137.5°	1137.3	1138.1	1138.9	1139.7	1140.4	1140.8	1141.3	1141.8	1142.2	1141.4	1140.7
140°	1185.9	1186.5	1187.1	1187.6	1187.9	1187.9	1187.9	1187.9	1187.9	1187.6	1187.3
142.5°	1230.5	1231.1	1231.7	1232.3	1232.4	1232.2	1232.0	1231.7	1231.5	1231.5	1231.4
145°	1292.9	1294.1	1295.2	1296.4	1297.1	1297.4	1297.7	1298.0	1298.2	1298.0	1297.7
147.5°	1354.4	1355.8	1357.2	1358.6	1359.2	1358.9	1358.7	1358.5	1358.2	1358.0	1357.8
150°	1391.5	1392.8	1393.9	1395.1	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6
152.5°	1426.4	1427.1	1427.8	1428.5	1429.0	1429.2	1429.4	1429.7	1429.9	1430.6	1431.2
155°	1480.0	1480.0	1480.0	1480.0	1479.9	1479.5	1479.3	1479.0	1478.7	1479.9	1481.0
157.5°	1525.2	1524.7	1524.1	1523.6	1523.4	1523.3	1523.2	1523.2	1523.1	1524.0	1524.8
160°	1552.4	1552.1	1551.9	1551.5	1551.3	1551.0	1550.7	1550.4	1550.1	1551.0	1551.9
162.5°	1576.9	1576.1	1575.4	1574.6	1574.1	1573.8	1573.6	1573.2	1573.0	1574.5	1576.1
165°	1610.2	1609.4	1608.5	1607.7	1607.0	1606.4	1605.8	1605.2	1604.6	1606.4	1608.1
167.5°	1635.6	1634.4	1633.2	1632.0	1631.4	1631.5	1631.5	1631.6	1631.7	1633.4	1635.1
170°	1649.9	1648.5	1647.0	1645.6	1645.0	1645.3	1645.6	1645.9	1646.1	1647.9	1649.7
172.5°	1660.5	1659.3	1658.1	1656.9	1656.3	1656.4	1656.5	1656.5	1656.6	1658.5	1660.5
175°	1674.6	1673.2	1671.7	1670.3	1669.4	1669.1	1668.8	1668.5	1668.3	1670.3	1672.3
177.5°	1679.6	1678.4	1677.2	1676.1	1675.5	1675.5	1675.5	1675.5	1675.5	1677.1	1678.8
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	518.5	518.8	520.3	521.4	521.8	523.4	523.5
5°	564.0	567.5	574.2	574.8	575.8	581.2	577.0
7.5°	617.4	626.2	632.1	637.3	639.1	641.4	641.0
10°	651.7	664.7	671.2	681.7	682.0	684.7	683.0
12.5°	686.0	701.2	713.1	715.1	723.8	725.1	727.4
15°	734.8	750.9	767.4	773.4	785.3	788.2	792.6
17.5°	780.6	797.0	808.7	823.9	828.9	835.4	831.0
20°	805.7	823.6	838.4	850.3	855.4	859.1	858.7
22.5°	820.9	839.0	850.8	860.0	864.7	866.3	866.2
25°	830.3	840.8	844.5	847.9	842.6	840.8	841.5
27.5°	803.9	801.2	791.7	779.1	766.1	755.8	750.1
30°	767.6	751.7	737.3	712.0	699.0	691.2	684.2
32.5°	716.1	690.9	663.1	639.9	625.1	613.6	611.9
35°	627.8	590.0	555.9	527.5	512.9	500.5	497.6
37.5°	533.7	494.4	463.7	438.8	423.0	414.2	406.0
40°	471.3	437.5	407.3	386.2	374.1	367.8	362.7
42.5°	423.3	392.4	362.3	346.2	335.4	331.5	328.5
45°	356.8	328.0	307.3	295.1	288.8	282.2	279.1
47.5°	303.6	280.3	266.6	256.1	249.3	245.5	243.6
50°	273.5	254.3	242.1	234.1	228.0	225.0	223.3
52.5°	246.8	231.0	220.8	214.4	210.3	208.0	207.3
55°	212.5	200.5	194.0	188.5	185.5	183.4	182.6
57.5°	184.8	175.5	170.2	165.7	164.5	162.8	162.2
60°	166.5	159.4	154.9	151.8	150.8	148.8	149.1
62.5°	150.3	144.5	140.7	139.0	137.6	135.9	136.5
65°	127.2	122.9	120.8	119.2	117.6	116.6	117.4
67.5°	106.7	103.8	101.0	100.0	99.3	99.1	98.2
70°	93.3	90.9	88.4	87.8	87.8	87.0	86.8
72.5°	80.4	78.7	77.1	76.5	75.9	76.3	75.4
75°	62.2	60.7	60.1	59.5	59.3	59.3	58.7
77.5°	45.9	44.9	43.9	43.9	43.1	42.9	42.8
80°	34.9	34.4	33.7	33.7	33.2	33.4	33.0
82.5°	26.2	25.7	25.5	25.1	24.5	24.6	24.2
85°	14.0	13.4	13.3	12.7	12.2	12.7	12.2
87.5°	11.6	11.8	11.9	11.7	11.6	11.7	11.4
90°	33.8	35.5	36.7	37.2	37.8	38.4	38.9
92.5°	54.5	55.5	56.2	56.6	56.9	57.3	57.6
95°	101.3	102.1	102.5	102.5	102.5	102.5	102.5
97.5°	159.2	160.2	160.7	160.7	160.7	160.7	160.7
100°	200.4	201.0	201.2	201.2	201.2	201.2	201.2
102.5°	244.7	245.5	246.0	246.2	246.5	246.7	246.9
105°	311.6	312.5	313.3	314.2	315.0	315.9	316.8
107.5°	383.8	384.7	385.0	385.0	385.0	384.9	384.8
110°	430.6	430.0	430.2	431.0	431.9	432.7	433.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	482.8	482.8	482.8	482.9	483.1	483.3	483.5
115°	562.6	562.3	562.0	561.7	561.5	561.1	560.9
117.5°	638.7	637.7	636.9	636.3	635.8	635.2	634.6
120°	690.3	688.8	688.4	689.0	689.5	690.1	690.7
122.5°	743.6	742.6	741.6	740.5	739.5	738.5	737.4
125°	821.4	820.8	820.2	819.6	819.1	818.5	817.9
127.5°	895.4	894.8	894.2	893.8	893.4	892.9	892.4
130°	947.3	946.7	945.8	944.7	943.6	942.4	941.2
132.5°	996.1	995.5	995.0	994.5	994.1	993.6	993.2
135°	1069.4	1068.8	1068.0	1067.1	1066.3	1065.4	1064.5
137.5°	1140.0	1139.2	1138.9	1139.1	1139.3	1139.4	1139.6
140°	1187.1	1186.7	1186.5	1186.2	1185.9	1185.6	1185.3
142.5°	1231.3	1231.3	1231.2	1231.1	1231.1	1231.1	1231.0
145°	1297.4	1297.1	1296.5	1295.6	1294.8	1293.9	1293.0
147.5°	1357.5	1357.3	1357.0	1356.8	1356.5	1356.2	1355.9
150°	1395.6	1395.6	1395.5	1395.2	1394.9	1394.6	1394.3
152.5°	1431.9	1432.6	1432.6	1431.8	1431.2	1430.4	1429.6
155°	1482.1	1483.3	1483.3	1482.1	1481.0	1479.9	1478.7
157.5°	1525.7	1526.6	1526.5	1525.5	1524.6	1523.5	1522.6
160°	1552.7	1553.6	1553.2	1551.9	1550.4	1548.9	1547.5
162.5°	1577.6	1579.2	1579.2	1577.8	1576.4	1574.9	1573.5
165°	1609.8	1611.5	1611.9	1610.7	1609.6	1608.3	1607.2
167.5°	1636.8	1638.6	1638.6	1636.8	1635.0	1633.1	1631.3
170°	1651.4	1653.1	1652.9	1651.0	1648.9	1646.9	1644.9
172.5°	1662.4	1664.4	1664.4	1662.3	1660.4	1658.3	1656.3
175°	1674.3	1676.4	1676.4	1674.3	1672.3	1670.3	1668.3
177.5°	1680.3	1682.0	1681.9	1680.0	1678.2	1676.4	1674.5
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6

(END OF REPORT)