

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: P333656-935

Luminaire Tested: **S125RDIW-S375D1560U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333656-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D1560U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6628.4 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

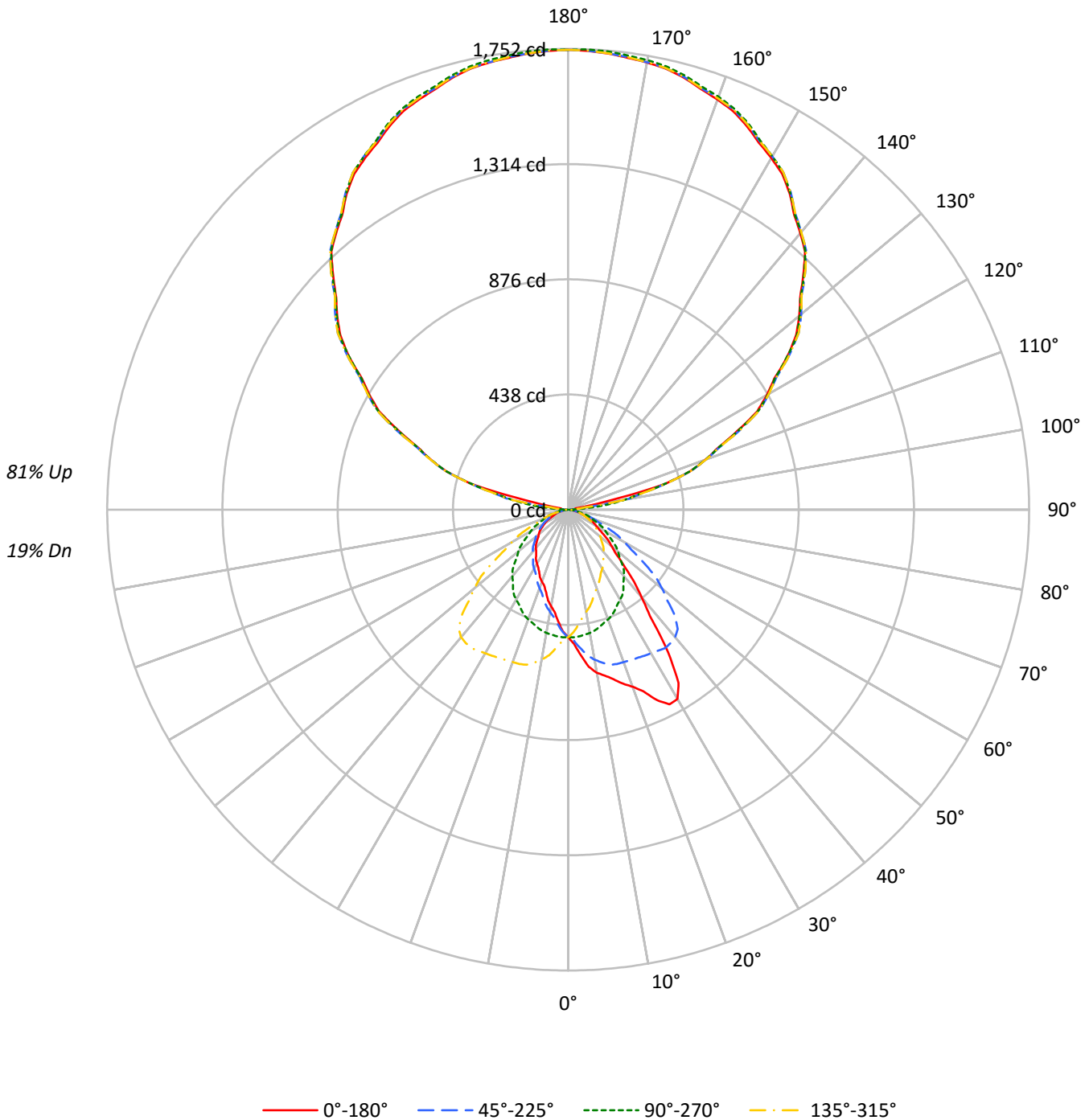
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16
2	83	76	70	65	73	67	63	59	51	48	45	36	34	32	22	21	20	14
3	76	67	60	55	67	59	54	49	45	41	38	32	29	27	19	18	17	12
4	69	59	52	46	61	52	46	41	40	36	32	28	26	23	17	16	15	10
5	63	52	45	39	56	47	40	35	36	31	28	25	22	20	16	14	13	9
6	58	47	39	34	51	42	35	31	32	27	24	23	20	18	14	13	11	8
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	13	11	10	7
8	50	38	31	26	44	34	28	23	26	22	18	19	16	14	12	10	9	6
9	46	35	28	23	41	31	25	21	24	19	16	17	14	12	11	9	8	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	8	7	5

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3130	3130	3130	3130
5°	3601	3135	2768	3135
10°	4131	3118	2443	3118
15°	4462	3086	2171	3086
20°	4920	3049	2004	3049
25°	5694	2999	1861	2999
30°	6196	2948	1766	2948
35°	5226	2888	1678	2888
40°	3650	2780	1604	2780
45°	2707	2633	1531	2633
50°	2159	2481	1467	2481
55°	1832	2291	1412	2291
60°	1582	2124	1321	2124
65°	1411	1939	1137	1939
70°	1241	1777	1037	1777
75°	1073	1537	973	1537
80°	815	1294	815	1294
85°	674	1015	763	1015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	0.7
10°-20°	136.2	2.1
20°-30°	215.9	3.3
30°-40°	260.4	3.9
40°-50°	232.6	3.5
50°-60°	178.3	2.7
60°-70°	115.9	1.7
70°-80°	56.3	0.8
80°-90°	17.1	0.3
90°-100°	63.5	1.0
100°-110°	391.6	5.9
110°-120°	710.2	10.7
120°-130°	911.5	13.8
130°-140°	980.4	14.8
140°-150°	920.2	13.9
150°-160°	744.4	11.2
160°-170°	481.4	7.3
170°-180°	166.0	2.5
0°-30°	398.6	6.0
0°-40°	659.0	9.9
0°-60°	1069.9	16.1
0°-90°	1259.2	19.0
90°-120°	1165.3	17.6
90°-150°	3977.4	60.0
90°-180°	5369.0	81.0
0°-180°	6628.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	555	484	427	484	555	55
15°	667	462	325	462	667	191
25°	799	421	261	421	799	367
35°	663	366	213	366	663	400
45°	296	288	168	288	296	237
55°	163	204	125	204	163	148
65°	92	127	74	127	92	92
75°	43	62	39	62	43	46
85°	9	14	10	14	9	11
90°	31	1	31	1	31	14
95°	27	74	27	74	27	22
105°	385	381	385	381	385	348
115°	710	716	710	716	710	705
125°	1017	1017	1017	1017	1017	905
135°	1264	1269	1264	1269	1264	975
145°	1467	1471	1467	1471	1467	916
155°	1608	1620	1608	1620	1608	741
165°	1700	1710	1700	1710	1700	480
175°	1741	1748	1741	1748	1741	166
180°	1748	1748	1748	1748	1748	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	509.8	509.5	510.1	508.3	508.5	505.8	505.8	503.8	501.0	498.9	498.0
5°	555.4	555.9	555.1	552.1	550.1	547.1	543.7	537.8	532.8	528.0	524.3
7.5°	602.5	602.8	600.1	599.3	594.2	590.6	583.1	574.9	567.7	558.5	551.6
10°	629.9	629.6	626.9	624.7	620.4	614.8	607.3	597.9	588.9	578.9	569.4
12.5°	645.8	645.2	644.4	641.7	637.7	632.7	626.5	617.1	606.1	595.2	584.0
15°	667.3	665.9	663.3	659.9	654.1	648.3	641.4	633.1	622.5	610.2	599.9
17.5°	693.9	693.9	689.9	685.2	677.3	667.2	656.4	643.0	628.6	615.1	604.1
20°	715.8	715.2	711.3	702.1	693.1	680.4	668.0	651.5	634.0	616.3	602.6
22.5°	747.3	745.8	741.7	729.6	715.7	699.3	680.4	660.3	639.1	619.1	601.0
25°	799.0	797.8	789.6	775.7	756.2	730.9	706.3	678.6	648.2	621.7	599.9
27.5°	834.3	833.0	826.9	815.4	797.4	770.8	737.4	700.4	662.5	626.0	594.5
30°	830.8	833.8	833.0	827.6	814.1	790.2	759.4	717.8	672.6	629.9	592.3
32.5°	780.8	783.5	790.5	801.1	801.8	792.3	769.2	730.8	684.1	635.4	590.5
35°	662.9	666.5	680.0	701.3	729.2	752.4	757.2	736.5	694.5	642.2	587.9
37.5°	509.6	529.2	540.6	563.0	605.1	647.9	689.1	704.2	686.4	639.4	583.7
40°	432.9	437.6	458.0	483.3	518.7	563.2	621.9	664.3	665.6	633.1	577.0
42.5°	370.5	376.6	390.5	410.7	441.0	485.5	546.1	602.1	627.9	615.5	568.2
45°	296.4	301.0	311.2	326.7	349.9	386.8	438.9	503.5	554.8	575.0	544.8
47.5°	243.5	246.0	254.8	266.7	283.9	310.6	351.0	407.2	468.7	511.9	507.6
50°	214.9	217.7	224.4	233.3	247.9	270.5	302.8	349.6	413.0	465.7	476.3
52.5°	192.6	194.9	199.1	207.6	219.6	236.9	263.0	305.3	362.4	418.4	442.9
55°	162.7	164.4	167.7	172.5	182.0	194.6	217.1	246.3	292.5	349.0	384.8
57.5°	138.2	139.0	141.1	145.5	152.1	161.3	177.5	202.2	235.4	286.3	325.8
60°	122.5	123.4	126.1	129.2	134.3	142.7	155.4	172.7	204.5	246.5	286.5
62.5°	110.1	110.6	111.8	114.8	119.3	125.8	135.8	149.9	175.2	212.2	249.9
65°	92.3	92.5	92.9	95.3	98.1	102.9	109.4	119.3	138.4	166.3	199.8
67.5°	75.2	75.5	76.9	77.7	80.6	83.1	87.0	94.5	108.1	126.8	152.8
70°	65.7	65.4	66.8	67.8	68.8	71.8	74.4	80.6	88.9	103.2	124.9
72.5°	56.7	56.2	56.8	57.2	58.5	60.5	63.1	66.9	73.4	83.2	99.8
75°	43.0	43.1	43.1	43.6	44.6	45.4	46.1	48.1	51.7	58.3	67.2
77.5°	30.1	29.9	30.7	30.8	31.4	32.3	33.0	33.8	35.2	37.9	42.5
80°	21.9	21.9	22.0	22.6	22.5	22.9	23.8	24.7	26.4	28.1	29.6
82.5°	16.8	16.6	16.8	17.0	16.9	17.3	17.7	17.8	18.5	19.3	20.4
85°	9.1	9.1	9.4	9.4	9.6	9.6	9.7	9.7	9.7	10.0	10.2
87.5°	9.7	9.4	9.0	8.9	8.9	9.0	8.5	8.1	7.7	7.5	7.2
90°	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6	22.2	20.8	18.9
95°	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6	22.2	20.8	31.7
97.5°	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5	55.6	63.8	85.4
100°	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7	182.6	225.5	224.4
102.5°	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5	279.7	287.7	287.1
105°	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0	489.0	488.9	488.4
110°	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6	556.5	557.3	556.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5	622.6	623.7	623.4
115°	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9	722.0	723.2	723.0
117.5°	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9	818.4	819.9	818.8
120°	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9	879.5	880.0	879.2
122.5°	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0	938.6	939.2	938.7
125°	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2	1025.4	1026.5	1026.5
127.5°	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0	1103.6	1104.3	1104.5
130°	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4	1155.3	1156.2	1155.8
132.5°	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5	1202.6	1202.8	1203.4
135°	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9	1273.5	1274.1	1274.6
137.5°	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6	1338.5	1338.3	1338.9
140°	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9	1378.4	1377.8	1378.0
142.5°	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4	1418.3	1418.2	1417.8
145°	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3	1473.9	1473.7	1473.7
147.5°	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1	1521.7	1521.4	1521.0
150°	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6	1552.0	1551.4	1550.8
152.5°	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6	1579.0	1578.4	1577.9
155°	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7	1615.8	1615.0	1614.4
157.5°	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4	1646.5	1645.5	1645.5
160°	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5	1665.3	1664.2	1663.9
162.5°	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0	1682.4	1680.8	1680.5
165°	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5	1704.8	1703.1	1702.8
167.5°	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5	1721.5	1719.4	1719.2
170°	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3	1730.0	1727.7	1727.4
172.5°	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1	1737.1	1735.0	1734.5
175°	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5	1744.3	1742.0	1741.7
177.5°	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6	1748.0	1746.4	1746.1
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	498.0	496.9	494.8	492.9	490.5	488.4	487.0	485.3	483.0	480.4	478.1
5°	520.0	515.7	509.9	504.9	498.5	493.6	488.4	483.5	478.5	472.1	466.5
7.5°	544.5	535.5	526.7	515.6	505.6	496.6	488.0	479.3	470.8	461.8	453.1
10°	559.5	548.5	536.4	522.5	509.7	497.6	486.5	475.4	463.9	453.8	442.9
12.5°	573.4	559.3	545.4	527.9	512.6	497.7	483.5	469.9	457.6	444.4	432.7
15°	586.1	572.1	556.6	535.2	513.8	495.9	479.2	461.6	446.3	431.5	418.4
17.5°	591.0	576.4	558.4	537.7	514.4	491.9	470.4	451.0	432.9	415.8	401.1
20°	589.1	575.0	556.5	536.7	511.9	488.4	465.1	443.7	423.5	405.4	389.8
22.5°	584.4	569.9	552.0	531.2	507.6	482.7	457.8	434.9	413.9	395.1	378.0
25°	577.6	557.7	539.3	519.0	496.5	471.9	446.3	420.9	398.5	379.4	360.7
27.5°	570.3	545.5	522.2	502.0	478.3	456.3	431.5	405.6	382.0	362.6	343.4
30°	563.8	536.0	510.3	487.4	464.9	444.0	420.6	395.3	371.0	350.9	331.5
32.5°	555.7	526.1	497.9	471.5	449.8	429.1	407.9	383.7	360.1	339.3	319.5
35°	545.5	507.7	477.1	449.0	425.0	404.8	385.7	366.3	342.6	321.1	301.8
37.5°	532.2	489.2	453.8	423.3	397.9	377.7	362.6	344.7	323.1	302.6	284.7
40°	524.0	475.9	437.1	406.8	380.2	358.9	344.7	329.7	310.0	290.7	272.8
42.5°	513.2	463.6	420.3	388.7	361.9	341.4	327.1	313.9	297.4	279.2	260.0
45°	492.0	439.9	394.3	360.5	333.5	313.3	300.0	288.3	275.8	259.0	242.3
47.5°	464.4	415.1	367.4	330.5	304.0	285.3	272.4	263.1	254.2	240.0	223.8
50°	442.3	394.7	348.2	312.4	284.1	266.4	254.3	246.9	238.8	225.8	212.2
52.5°	416.1	373.7	328.1	291.5	264.8	248.2	236.6	229.2	222.5	212.0	199.1
55°	375.1	337.8	296.0	262.8	238.3	221.6	210.5	203.5	199.6	190.6	180.5
57.5°	327.5	300.9	264.1	232.0	210.3	193.9	185.7	179.8	175.3	168.9	161.8
60°	294.5	275.8	242.7	212.2	192.3	176.7	169.3	164.4	160.1	154.8	149.2
62.5°	260.9	247.3	218.5	192.3	174.1	160.9	154.0	149.6	144.7	141.1	135.7
65°	215.9	203.7	183.8	163.3	146.5	135.9	130.9	126.9	124.0	119.9	116.1
67.5°	167.9	163.0	149.2	135.1	123.0	113.6	109.3	106.5	103.0	100.6	98.0
70°	138.4	136.0	126.3	117.0	105.6	99.3	95.3	94.1	89.7	87.3	85.6
72.5°	112.4	111.2	105.6	99.2	91.2	85.6	82.0	80.6	77.7	75.9	74.7
75°	77.0	77.4	76.4	72.2	69.2	65.7	62.5	61.6	59.7	58.1	57.1
77.5°	48.7	50.7	50.8	50.6	49.4	47.3	45.9	45.3	43.4	42.8	42.5
80°	33.4	35.6	37.6	37.4	37.0	36.4	35.4	34.8	33.8	33.2	32.8
82.5°	22.3	24.3	26.0	27.0	26.9	26.3	25.7	25.4	25.2	24.8	24.7
85°	10.5	10.9	11.5	12.9	13.9	14.1	13.9	13.7	13.2	13.3	13.5
87.5°	7.0	6.6	6.4	5.9	5.3	5.6	5.7	5.3	5.5	5.6	5.8
90°	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3	3.6	5.9	8.2
92.5°	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0	18.3	16.7	15.2
95°	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9	73.0	72.2	71.3
97.5°	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2	155.8	157.3	158.9
100°	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5	217.3	218.2	219.0
102.5°	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7	280.8	281.9	283.0
105°	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1	382.2	383.4	384.5
107.5°	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
110°	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7



TEST NUMBER: P333656-935

CATALOG NUMBER: S125RDIW-S375D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1	619.7	620.4	621.1
115°	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5	716.9	718.3	719.8
117.5°	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3	815.2	815.1	815.1
120°	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4	877.2	876.9	876.6
122.5°	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5	933.5	934.6	935.7
125°	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4	1019.4	1021.5	1023.5
127.5°	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5	1100.0	1101.5	1102.9
130°	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3	1149.8	1151.2	1152.7
132.5°	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1	1199.8	1201.4	1203.2
135°	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9	1270.6	1272.4	1274.1
137.5°	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9	1335.4	1337.0	1338.4
140°	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5	1377.1	1377.6	1378.2
142.5°	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8	1415.1	1415.5	1415.8
145°	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1	1471.6	1472.2	1472.8
147.5°	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4	1520.2	1520.1	1520.0
150°	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1550.8	1550.3	1549.7
152.5°	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5	1580.3	1579.0	1577.7
155°	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1	1618.4	1616.7	1615.0
157.5°	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9	1648.9	1647.9	1646.8
160°	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7	1669.0	1667.2	1665.5
162.5°	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3	1685.6	1683.9	1682.0
165°	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6	1707.9	1706.1	1704.3
167.5°	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1	1724.4	1722.6	1720.8
170°	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5	1733.5	1731.5	1729.4
172.5°	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7	1739.7	1737.7	1735.7
175°	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4	1746.7	1745.0	1743.3
177.5°	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5	1750.2	1748.8	1747.4
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333656-935

CATALOG NUMBER: S125RDIW-S375D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	476.5	474.3	472.7	469.5	467.3	466.3	464.6	464.1	465.9	464.6	464.4
5°	462.4	456.6	452.0	447.5	442.5	439.3	434.5	433.7	432.5	430.8	430.3
7.5°	445.4	437.8	432.0	424.4	417.8	412.5	406.6	403.7	402.2	399.8	396.7
10°	433.9	425.0	417.0	409.4	401.3	394.7	388.7	384.2	381.2	378.4	377.2
12.5°	422.6	413.5	403.3	394.2	385.0	377.7	371.1	368.1	364.8	361.5	358.8
15°	405.0	393.0	381.8	371.3	363.5	355.5	349.1	344.7	339.8	338.4	333.0
17.5°	386.4	374.5	361.4	350.4	341.4	332.6	325.6	320.6	316.9	311.8	309.4
20°	374.8	360.7	347.9	337.8	327.9	317.5	310.4	306.2	302.6	298.4	296.4
22.5°	362.4	348.6	335.5	323.6	313.6	303.3	298.3	293.9	289.9	286.0	283.4
25°	344.1	330.3	316.5	304.2	293.7	286.3	280.3	275.3	273.2	269.4	266.6
27.5°	326.1	311.3	297.1	284.8	276.6	269.2	264.3	260.5	256.5	253.2	250.7
30°	314.5	299.5	283.9	274.1	265.4	258.5	253.0	249.3	246.3	243.3	241.5
32.5°	302.9	287.3	273.5	263.0	254.8	248.7	243.2	239.5	236.4	233.2	231.0
35°	284.3	268.4	257.3	246.9	238.8	233.2	229.4	224.2	221.6	219.2	217.1
37.5°	267.0	252.2	240.1	231.1	223.9	218.4	213.5	210.8	207.6	205.4	203.6
40°	254.3	240.7	229.8	220.2	215.1	208.9	204.3	200.7	198.4	195.5	193.6
42.5°	242.8	230.2	219.6	211.0	204.6	199.3	194.9	191.3	188.3	186.3	184.7
45°	226.6	214.0	203.7	195.8	189.8	184.9	180.2	178.5	174.4	172.1	171.3
47.5°	209.8	198.6	188.6	181.3	175.2	170.5	166.2	162.6	160.3	158.0	156.7
50°	198.5	187.8	178.5	171.3	165.3	160.1	156.2	153.8	150.8	148.6	147.1
52.5°	187.3	177.3	168.0	161.1	155.9	150.8	146.3	144.0	141.1	139.7	138.6
55°	171.1	160.6	152.6	145.9	140.4	135.7	131.5	129.2	127.3	126.0	125.5
57.5°	152.8	144.5	137.1	131.0	125.4	120.9	117.2	114.9	113.4	113.1	111.9
60°	140.9	133.3	126.6	119.9	115.2	111.0	107.8	105.2	103.7	103.5	103.1
62.5°	128.9	121.7	115.4	109.6	105.3	101.3	98.2	95.4	94.5	93.4	92.6
65°	111.2	104.6	99.4	94.9	90.3	87.0	83.9	82.1	80.0	78.8	76.6
67.5°	93.8	88.8	83.8	79.9	76.3	73.1	70.6	67.9	66.5	65.5	64.0
70°	82.4	78.4	73.4	69.2	66.5	63.9	61.9	58.9	57.9	57.1	56.3
72.5°	71.5	68.0	63.9	60.4	57.7	55.3	53.0	51.6	50.5	49.8	49.3
75°	56.3	53.0	49.3	46.9	44.9	43.0	41.8	40.8	40.4	40.2	39.4
77.5°	41.3	39.5	36.7	34.8	33.5	32.6	31.6	31.1	31.0	30.1	29.9
80°	31.6	30.7	28.2	27.5	26.4	25.7	25.1	24.1	23.1	22.6	22.0
82.5°	23.5	22.6	21.5	20.3	19.5	18.9	18.4	18.0	18.2	17.6	17.3
85°	12.6	11.5	11.1	10.9	10.5	10.9	10.8	10.5	10.3	10.2	10.3
87.5°	6.1	6.5	6.7	7.5	7.4	8.0	8.3	8.4	8.7	9.0	9.0
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.6
92.5°	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6	25.1	26.5	27.4
95°	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6	25.1	26.5	27.2
97.5°	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5	39.4	31.3	27.2
100°	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7	96.8	53.9	31.9
102.5°	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5	263.4	255.3	241.4
105°	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.1
107.5°	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0	489.0	489.1	488.7
110°	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6	554.7	553.9	553.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5	620.4	619.3	618.5
115°	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9	719.8	718.6	717.2
117.5°	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9	815.5	813.9	812.8
120°	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9	878.3	877.8	876.8
122.5°	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0	937.5	936.9	935.7
125°	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2	1023.0	1021.9	1020.9
127.5°	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0	1102.4	1101.7	1100.4
130°	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4	1153.6	1152.7	1151.5
132.5°	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5	1202.3	1202.1	1201.3
135°	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9	1272.4	1271.8	1270.6
137.5°	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6	1338.7	1338.9	1338.2
140°	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9	1379.5	1380.1	1379.5
142.5°	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4	1418.6	1418.7	1417.9
145°	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3	1474.5	1474.8	1474.1
147.5°	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1	1522.4	1522.8	1521.9
150°	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6	1553.2	1553.8	1552.9
152.5°	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6	1580.1	1580.7	1579.9
155°	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7	1617.6	1618.4	1617.6
157.5°	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4	1648.3	1649.2	1648.6
160°	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5	1667.7	1668.8	1668.3
162.5°	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0	1685.7	1687.2	1686.8
165°	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5	1708.3	1710.0	1709.7
167.5°	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5	1725.6	1727.7	1727.4
170°	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3	1734.7	1736.9	1736.8
172.5°	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1	1741.2	1743.3	1743.0
175°	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5	1748.9	1751.2	1751.0
177.5°	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6	1751.2	1752.8	1752.7
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333656-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	464.3	462.5	462.0	462.7	462.0	462.5	464.3	464.4	464.6	465.9	464.1
5°	428.3	426.4	427.3	427.0	427.3	426.4	428.3	430.3	430.8	432.5	433.7
7.5°	396.7	394.3	391.7	392.4	391.7	394.3	396.7	396.7	399.8	402.2	403.7
10°	374.6	372.6	371.4	372.5	371.4	372.6	374.6	377.2	378.4	381.2	384.2
12.5°	356.0	354.8	353.8	353.4	353.8	354.8	356.0	358.8	361.5	364.8	368.1
15°	330.6	328.3	327.3	324.7	327.3	328.3	330.6	333.0	338.4	339.8	344.7
17.5°	307.3	306.5	303.9	302.8	303.9	306.5	307.3	309.4	311.8	316.9	320.6
20°	293.4	292.7	290.1	291.6	290.1	292.7	293.4	296.4	298.4	302.6	306.2
22.5°	282.0	280.3	279.4	279.0	279.4	280.3	282.0	283.4	286.0	289.9	293.9
25°	265.8	263.2	262.2	261.1	262.2	263.2	265.8	266.6	269.4	273.2	275.3
27.5°	249.6	248.2	246.9	246.6	246.9	248.2	249.6	250.7	253.2	256.5	260.5
30°	239.1	237.7	236.8	236.8	236.8	237.7	239.1	241.5	243.3	246.3	249.3
32.5°	229.7	228.7	227.6	227.5	227.6	228.7	229.7	231.0	233.2	236.4	239.5
35°	216.0	214.5	214.0	212.8	214.0	214.5	216.0	217.1	219.2	221.6	224.2
37.5°	201.8	200.5	200.5	200.4	200.5	200.5	201.8	203.6	205.4	207.6	210.8
40°	192.8	191.7	191.6	190.2	191.6	191.7	192.8	193.6	195.5	198.4	200.7
42.5°	183.0	182.5	181.8	181.2	181.8	182.5	183.0	184.7	186.3	188.3	191.3
45°	169.9	168.5	168.5	167.6	168.5	168.5	169.9	171.3	172.1	174.4	178.5
47.5°	156.3	155.2	155.3	154.3	155.3	155.2	156.3	156.7	158.0	160.3	162.6
50°	147.2	146.6	146.5	146.0	146.5	146.6	147.2	147.1	148.6	150.8	153.8
52.5°	138.2	137.8	138.6	137.8	138.6	137.8	138.2	138.6	139.7	141.1	144.0
55°	126.0	125.4	126.6	125.4	126.6	125.4	126.0	125.5	126.0	127.3	129.2
57.5°	111.9	111.3	112.4	111.8	112.4	111.3	111.9	111.9	113.1	113.4	114.9
60°	102.6	101.4	102.0	102.3	102.0	101.4	102.6	103.1	103.5	103.7	105.2
62.5°	91.7	90.9	91.4	90.5	91.4	90.9	91.7	92.6	93.4	94.5	95.4
65°	76.2	75.6	74.8	74.4	74.8	75.6	76.2	76.6	78.8	80.0	82.1
67.5°	64.1	62.6	62.5	62.9	62.5	62.6	64.1	64.0	65.5	66.5	67.9
70°	55.1	55.1	54.9	54.9	54.9	55.1	55.1	56.3	57.1	57.9	58.9
72.5°	48.9	48.7	48.4	48.2	48.4	48.7	48.9	49.3	49.8	50.5	51.6
75°	39.4	39.6	39.2	39.0	39.2	39.6	39.4	39.4	40.2	40.4	40.8
77.5°	29.1	28.2	28.7	28.2	28.7	28.2	29.1	29.9	30.1	31.0	31.1
80°	22.0	21.9	22.5	21.9	22.5	21.9	22.0	22.0	22.6	23.1	24.1
82.5°	17.5	17.3	17.6	17.1	17.6	17.3	17.5	17.3	17.6	18.2	18.0
85°	10.5	10.3	10.2	10.3	10.2	10.3	10.5	10.3	10.2	10.3	10.5
87.5°	9.4	9.4	9.6	9.7	9.6	9.4	9.4	9.0	9.0	8.7	8.4
90°	28.5	29.4	30.2	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6
92.5°	27.8	28.2	28.7	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6
95°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6
97.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5
100°	30.7	29.5	28.4	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7
102.5°	221.8	202.2	182.6	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5
105°	385.8	385.6	385.2	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2
107.5°	487.8	487.0	486.1	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0
110°	553.9	554.1	554.5	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6



TEST NUMBER: P333656-935

CATALOG NUMBER: S125RDIW-S375D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	618.2	617.8	617.3	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5
115°	715.5	713.7	712.0	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9
117.5°	812.1	811.3	810.5	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9
120°	875.3	873.8	872.5	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9
122.5°	934.1	932.4	930.7	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0
125°	1020.0	1019.2	1018.3	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2
127.5°	1098.2	1096.1	1094.0	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0
130°	1150.1	1148.7	1147.2	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4
132.5°	1199.9	1198.4	1197.0	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5
135°	1268.9	1267.1	1265.4	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9
137.5°	1336.6	1335.2	1333.6	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6
140°	1377.8	1376.1	1374.3	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9
142.5°	1416.1	1414.4	1412.6	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4
145°	1472.4	1470.7	1469.0	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3
147.5°	1519.8	1517.8	1515.7	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1
150°	1550.6	1548.3	1546.0	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6
152.5°	1577.9	1575.8	1573.7	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6
155°	1615.4	1613.1	1610.8	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7
157.5°	1646.2	1643.9	1641.6	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4
160°	1665.9	1663.6	1661.3	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5
162.5°	1684.3	1681.7	1679.2	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0
165°	1707.4	1705.1	1702.8	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5
167.5°	1724.8	1722.3	1719.7	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5
170°	1734.2	1731.6	1729.0	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3
172.5°	1740.4	1737.8	1735.3	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1
175°	1748.4	1745.8	1743.3	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5
177.5°	1750.8	1749.0	1747.1	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333656-935

CATALOG NUMBER: S125RDIW-S375D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	464.6	466.3	467.3	469.5	472.7	474.3	476.5	478.1	480.4	483.0	485.3
5°	434.5	439.3	442.5	447.5	452.0	456.6	462.4	466.5	472.1	478.5	483.5
7.5°	406.6	412.5	417.8	424.4	432.0	437.8	445.4	453.1	461.8	470.8	479.3
10°	388.7	394.7	401.3	409.4	417.0	425.0	433.9	442.9	453.8	463.9	475.4
12.5°	371.1	377.7	385.0	394.2	403.3	413.5	422.6	432.7	444.4	457.6	469.9
15°	349.1	355.5	363.5	371.3	381.8	393.0	405.0	418.4	431.5	446.3	461.6
17.5°	325.6	332.6	341.4	350.4	361.4	374.5	386.4	401.1	415.8	432.9	451.0
20°	310.4	317.5	327.9	337.8	347.9	360.7	374.8	389.8	405.4	423.5	443.7
22.5°	298.3	303.3	313.6	323.6	335.5	348.6	362.4	378.0	395.1	413.9	434.9
25°	280.3	286.3	293.7	304.2	316.5	330.3	344.1	360.7	379.4	398.5	420.9
27.5°	264.3	269.2	276.6	284.8	297.1	311.3	326.1	343.4	362.6	382.0	405.6
30°	253.0	258.5	265.4	274.1	283.9	299.5	314.5	331.5	350.9	371.0	395.3
32.5°	243.2	248.7	254.8	263.0	273.5	287.3	302.9	319.5	339.3	360.1	383.7
35°	229.4	233.2	238.8	246.9	257.3	268.4	284.3	301.8	321.1	342.6	366.3
37.5°	213.5	218.4	223.9	231.1	240.1	252.2	267.0	284.7	302.6	323.1	344.7
40°	204.3	208.9	215.1	220.2	229.8	240.7	254.3	272.8	290.7	310.0	329.7
42.5°	194.9	199.3	204.6	211.0	219.6	230.2	242.8	260.0	279.2	297.4	313.9
45°	180.2	184.9	189.8	195.8	203.7	214.0	226.6	242.3	259.0	275.8	288.3
47.5°	166.2	170.5	175.2	181.3	188.6	198.6	209.8	223.8	240.0	254.2	263.1
50°	156.2	160.1	165.3	171.3	178.5	187.8	198.5	212.2	225.8	238.8	246.9
52.5°	146.3	150.8	155.9	161.1	168.0	177.3	187.3	199.1	212.0	222.5	229.2
55°	131.5	135.7	140.4	145.9	152.6	160.6	171.1	180.5	190.6	199.6	203.5
57.5°	117.2	120.9	125.4	131.0	137.1	144.5	152.8	161.8	168.9	175.3	179.8
60°	107.8	111.0	115.2	119.9	126.6	133.3	140.9	149.2	154.8	160.1	164.4
62.5°	98.2	101.3	105.3	109.6	115.4	121.7	128.9	135.7	141.1	144.7	149.6
65°	83.9	87.0	90.3	94.9	99.4	104.6	111.2	116.1	119.9	124.0	126.9
67.5°	70.6	73.1	76.3	79.9	83.8	88.8	93.8	98.0	100.6	103.0	106.5
70°	61.9	63.9	66.5	69.2	73.4	78.4	82.4	85.6	87.3	89.7	94.1
72.5°	53.0	55.3	57.7	60.4	63.9	68.0	71.5	74.7	75.9	77.7	80.6
75°	41.8	43.0	44.9	46.9	49.3	53.0	56.3	57.1	58.1	59.7	61.6
77.5°	31.6	32.6	33.5	34.8	36.7	39.5	41.3	42.5	42.8	43.4	45.3
80°	25.1	25.7	26.4	27.5	28.2	30.7	31.6	32.8	33.2	33.8	34.8
82.5°	18.4	18.9	19.5	20.3	21.5	22.6	23.5	24.7	24.8	25.2	25.4
85°	10.8	10.9	10.5	10.9	11.1	11.5	12.6	13.5	13.3	13.2	13.7
87.5°	8.3	8.0	7.4	7.5	6.7	6.5	6.1	5.8	5.6	5.5	5.3
90°	22.2	20.8	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	22.2	20.8	18.9	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0
95°	22.2	20.8	31.7	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9
97.5°	55.6	63.8	85.4	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2
100°	182.6	225.5	224.4	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5
102.5°	279.7	287.7	287.1	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7
105°	386.2	386.2	386.2	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1
107.5°	489.0	488.9	488.4	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3
110°	556.5	557.3	556.7	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	622.6	623.7	623.4	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1
115°	722.0	723.2	723.0	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5
117.5°	818.4	819.9	818.8	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3
120°	879.5	880.0	879.2	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4
122.5°	938.6	939.2	938.7	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5
125°	1025.4	1026.5	1026.5	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4
127.5°	1103.6	1104.3	1104.5	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5
130°	1155.3	1156.2	1155.8	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3
132.5°	1202.6	1202.8	1203.4	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1
135°	1273.5	1274.1	1274.6	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9
137.5°	1338.5	1338.3	1338.9	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9
140°	1378.4	1377.8	1378.0	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5
142.5°	1418.3	1418.2	1417.8	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8
145°	1473.9	1473.7	1473.7	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1
147.5°	1521.7	1521.4	1521.0	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4
150°	1552.0	1551.4	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4
152.5°	1579.0	1578.4	1577.9	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5
155°	1615.8	1615.0	1614.4	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1
157.5°	1646.5	1645.5	1645.5	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9
160°	1665.3	1664.2	1663.9	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7
162.5°	1682.4	1680.8	1680.5	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3
165°	1704.8	1703.1	1702.8	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6
167.5°	1721.5	1719.4	1719.2	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1
170°	1730.0	1727.7	1727.4	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5
172.5°	1737.1	1735.0	1734.5	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7
175°	1744.3	1742.0	1741.7	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4
177.5°	1748.0	1746.4	1746.1	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	487.0	488.4	490.5	492.9	494.8	496.9	498.0	498.0	498.9	501.0	503.8
5°	488.4	493.6	498.5	504.9	509.9	515.7	520.0	524.3	528.0	532.8	537.8
7.5°	488.0	496.6	505.6	515.6	526.7	535.5	544.5	551.6	558.5	567.7	574.9
10°	486.5	497.6	509.7	522.5	536.4	548.5	559.5	569.4	578.9	588.9	597.9
12.5°	483.5	497.7	512.6	527.9	545.4	559.3	573.4	584.0	595.2	606.1	617.1
15°	479.2	495.9	513.8	535.2	556.6	572.1	586.1	599.9	610.2	622.5	633.1
17.5°	470.4	491.9	514.4	537.7	558.4	576.4	591.0	604.1	615.1	628.6	643.0
20°	465.1	488.4	511.9	536.7	556.5	575.0	589.1	602.6	616.3	634.0	651.5
22.5°	457.8	482.7	507.6	531.2	552.0	569.9	584.4	601.0	619.1	639.1	660.3
25°	446.3	471.9	496.5	519.0	539.3	557.7	577.6	599.9	621.7	648.2	678.6
27.5°	431.5	456.3	478.3	502.0	522.2	545.5	570.3	594.5	626.0	662.5	700.4
30°	420.6	444.0	464.9	487.4	510.3	536.0	563.8	592.3	629.9	672.6	717.8
32.5°	407.9	429.1	449.8	471.5	497.9	526.1	555.7	590.5	635.4	684.1	730.8
35°	385.7	404.8	425.0	449.0	477.1	507.7	545.5	587.9	642.2	694.5	736.5
37.5°	362.6	377.7	397.9	423.3	453.8	489.2	532.2	583.7	639.4	686.4	704.2
40°	344.7	358.9	380.2	406.8	437.1	475.9	524.0	577.0	633.1	665.6	664.3
42.5°	327.1	341.4	361.9	388.7	420.3	463.6	513.2	568.2	615.5	627.9	602.1
45°	300.0	313.3	333.5	360.5	394.3	439.9	492.0	544.8	575.0	554.8	503.5
47.5°	272.4	285.3	304.0	330.5	367.4	415.1	464.4	507.6	511.9	468.7	407.2
50°	254.3	266.4	284.1	312.4	348.2	394.7	442.3	476.3	465.7	413.0	349.6
52.5°	236.6	248.2	264.8	291.5	328.1	373.7	416.1	442.9	418.4	362.4	305.3
55°	210.5	221.6	238.3	262.8	296.0	337.8	375.1	384.8	349.0	292.5	246.3
57.5°	185.7	193.9	210.3	232.0	264.1	300.9	327.5	325.8	286.3	235.4	202.2
60°	169.3	176.7	192.3	212.2	242.7	275.8	294.5	286.5	246.5	204.5	172.7
62.5°	154.0	160.9	174.1	192.3	218.5	247.3	260.9	249.9	212.2	175.2	149.9
65°	130.9	135.9	146.5	163.3	183.8	203.7	215.9	199.8	166.3	138.4	119.3
67.5°	109.3	113.6	123.0	135.1	149.2	163.0	167.9	152.8	126.8	108.1	94.5
70°	95.3	99.3	105.6	117.0	126.3	136.0	138.4	124.9	103.2	88.9	80.6
72.5°	82.0	85.6	91.2	99.2	105.6	111.2	112.4	99.8	83.2	73.4	66.9
75°	62.5	65.7	69.2	72.2	76.4	77.4	77.0	67.2	58.3	51.7	48.1
77.5°	45.9	47.3	49.4	50.6	50.8	50.7	48.7	42.5	37.9	35.2	33.8
80°	35.4	36.4	37.0	37.4	37.6	35.6	33.4	29.6	28.1	26.4	24.7
82.5°	25.7	26.3	26.9	27.0	26.0	24.3	22.3	20.4	19.3	18.5	17.8
85°	13.9	14.1	13.9	12.9	11.5	10.9	10.5	10.2	10.0	9.7	9.7
87.5°	5.7	5.6	5.3	5.9	6.4	6.6	7.0	7.2	7.5	7.7	8.1
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6
92.5°	18.3	16.7	15.2	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6
95°	73.0	72.2	71.3	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6
97.5°	155.8	157.3	158.9	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5
100°	217.3	218.2	219.0	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7
102.5°	280.8	281.9	283.0	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5
105°	382.2	383.4	384.5	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	486.3	486.3	486.3	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0
110°	554.7	554.7	554.7	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	619.7	620.4	621.1	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5
115°	716.9	718.3	719.8	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9
117.5°	815.2	815.1	815.1	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9
120°	877.2	876.9	876.6	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9
122.5°	933.5	934.6	935.7	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0
125°	1019.4	1021.5	1023.5	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2
127.5°	1100.0	1101.5	1102.9	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0
130°	1149.8	1151.2	1152.7	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4
132.5°	1199.8	1201.4	1203.2	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5
135°	1270.6	1272.4	1274.1	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9
137.5°	1335.4	1337.0	1338.4	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6
140°	1377.1	1377.6	1378.2	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9
142.5°	1415.1	1415.5	1415.8	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4
145°	1471.6	1472.2	1472.8	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3
147.5°	1520.2	1520.1	1520.0	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1
150°	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6
152.5°	1580.3	1579.0	1577.7	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6
155°	1618.4	1616.7	1615.0	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7
157.5°	1648.9	1647.9	1646.8	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4
160°	1669.0	1667.2	1665.5	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5
162.5°	1685.6	1683.9	1682.0	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0
165°	1707.9	1706.1	1704.3	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5
167.5°	1724.4	1722.6	1720.8	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5
170°	1733.5	1731.5	1729.4	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3
172.5°	1739.7	1737.7	1735.7	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1
175°	1746.7	1745.0	1743.3	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5
177.5°	1750.2	1748.8	1747.4	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	505.8	505.8	508.5	508.3	510.1	509.5	509.8
5°	543.7	547.1	550.1	552.1	555.1	555.9	555.4
7.5°	583.1	590.6	594.2	599.3	600.1	602.8	602.5
10°	607.3	614.8	620.4	624.7	626.9	629.6	629.9
12.5°	626.5	632.7	637.7	641.7	644.4	645.2	645.8
15°	641.4	648.3	654.1	659.9	663.3	665.9	667.3
17.5°	656.4	667.2	677.3	685.2	689.9	693.9	693.9
20°	668.0	680.4	693.1	702.1	711.3	715.2	715.8
22.5°	680.4	699.3	715.7	729.6	741.7	745.8	747.3
25°	706.3	730.9	756.2	775.7	789.6	797.8	799.0
27.5°	737.4	770.8	797.4	815.4	826.9	833.0	834.3
30°	759.4	790.2	814.1	827.6	833.0	833.8	830.8
32.5°	769.2	792.3	801.8	801.1	790.5	783.5	780.8
35°	757.2	752.4	729.2	701.3	680.0	666.5	662.9
37.5°	689.1	647.9	605.1	563.0	540.6	529.2	509.6
40°	621.9	563.2	518.7	483.3	458.0	437.6	432.9
42.5°	546.1	485.5	441.0	410.7	390.5	376.6	370.5
45°	438.9	386.8	349.9	326.7	311.2	301.0	296.4
47.5°	351.0	310.6	283.9	266.7	254.8	246.0	243.5
50°	302.8	270.5	247.9	233.3	224.4	217.7	214.9
52.5°	263.0	236.9	219.6	207.6	199.1	194.9	192.6
55°	217.1	194.6	182.0	172.5	167.7	164.4	162.7
57.5°	177.5	161.3	152.1	145.5	141.1	139.0	138.2
60°	155.4	142.7	134.3	129.2	126.1	123.4	122.5
62.5°	135.8	125.8	119.3	114.8	111.8	110.6	110.1
65°	109.4	102.9	98.1	95.3	92.9	92.5	92.3
67.5°	87.0	83.1	80.6	77.7	76.9	75.5	75.2
70°	74.4	71.8	68.8	67.8	66.8	65.4	65.7
72.5°	63.1	60.5	58.5	57.2	56.8	56.2	56.7
75°	46.1	45.4	44.6	43.6	43.1	43.1	43.0
77.5°	33.0	32.3	31.4	30.8	30.7	29.9	30.1
80°	23.8	22.9	22.5	22.6	22.0	21.9	21.9
82.5°	17.7	17.3	16.9	17.0	16.8	16.6	16.8
85°	9.7	9.6	9.6	9.4	9.4	9.1	9.1
87.5°	8.5	9.0	8.9	8.9	9.0	9.4	9.7
90°	25.1	26.5	27.6	28.5	29.4	30.2	31.1
92.5°	25.1	26.5	27.4	27.8	28.2	28.7	29.0
95°	25.1	26.5	27.2	27.2	27.2	27.2	27.2
97.5°	39.4	31.3	27.2	27.2	27.2	27.2	27.2
100°	96.8	53.9	31.9	30.7	29.5	28.4	27.2
102.5°	263.4	255.3	241.4	221.8	202.2	182.6	163.1
105°	386.2	386.2	386.1	385.8	385.6	385.2	385.0
107.5°	489.0	489.1	488.7	487.8	487.0	486.1	485.3
110°	554.7	553.9	553.6	553.9	554.1	554.5	554.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	620.4	619.3	618.5	618.2	617.8	617.3	616.9
115°	719.8	718.6	717.2	715.5	713.7	712.0	710.2
117.5°	815.5	813.9	812.8	812.1	811.3	810.5	809.8
120°	878.3	877.8	876.8	875.3	873.8	872.5	871.0
122.5°	937.5	936.9	935.7	934.1	932.4	930.7	929.0
125°	1023.0	1021.9	1020.9	1020.0	1019.2	1018.3	1017.4
127.5°	1102.4	1101.7	1100.4	1098.2	1096.1	1094.0	1091.8
130°	1153.6	1152.7	1151.5	1150.1	1148.7	1147.2	1145.7
132.5°	1202.3	1202.1	1201.3	1199.9	1198.4	1197.0	1195.5
135°	1272.4	1271.8	1270.6	1268.9	1267.1	1265.4	1263.7
137.5°	1338.7	1338.9	1338.2	1336.6	1335.2	1333.6	1332.1
140°	1379.5	1380.1	1379.5	1377.8	1376.1	1374.3	1372.6
142.5°	1418.6	1418.7	1417.9	1416.1	1414.4	1412.6	1410.9
145°	1474.5	1474.8	1474.1	1472.4	1470.7	1469.0	1467.2
147.5°	1522.4	1522.8	1521.9	1519.8	1517.8	1515.7	1513.6
150°	1553.2	1553.8	1552.9	1550.6	1548.3	1546.0	1543.7
152.5°	1580.1	1580.7	1579.9	1577.9	1575.8	1573.7	1571.7
155°	1617.6	1618.4	1617.6	1615.4	1613.1	1610.8	1608.4
157.5°	1648.3	1649.2	1648.6	1646.2	1643.9	1641.6	1639.3
160°	1667.7	1668.8	1668.3	1665.9	1663.6	1661.3	1659.1
162.5°	1685.7	1687.2	1686.8	1684.3	1681.7	1679.2	1676.6
165°	1708.3	1710.0	1709.7	1707.4	1705.1	1702.8	1700.5
167.5°	1725.6	1727.7	1727.4	1724.8	1722.3	1719.7	1717.1
170°	1734.7	1736.9	1736.8	1734.2	1731.6	1729.0	1726.4
172.5°	1741.2	1743.3	1743.0	1740.4	1737.8	1735.3	1732.7
175°	1748.9	1751.2	1751.0	1748.4	1745.8	1743.3	1740.7
177.5°	1751.2	1752.8	1752.7	1750.8	1749.0	1747.1	1745.3
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4

(END OF REPORT)