

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: P333657-935

Luminaire Tested: **S125RDIW-S375D1560U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333657-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
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-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5915.4 lumens
Efficiency: N/A
Efficacy: 110.8 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

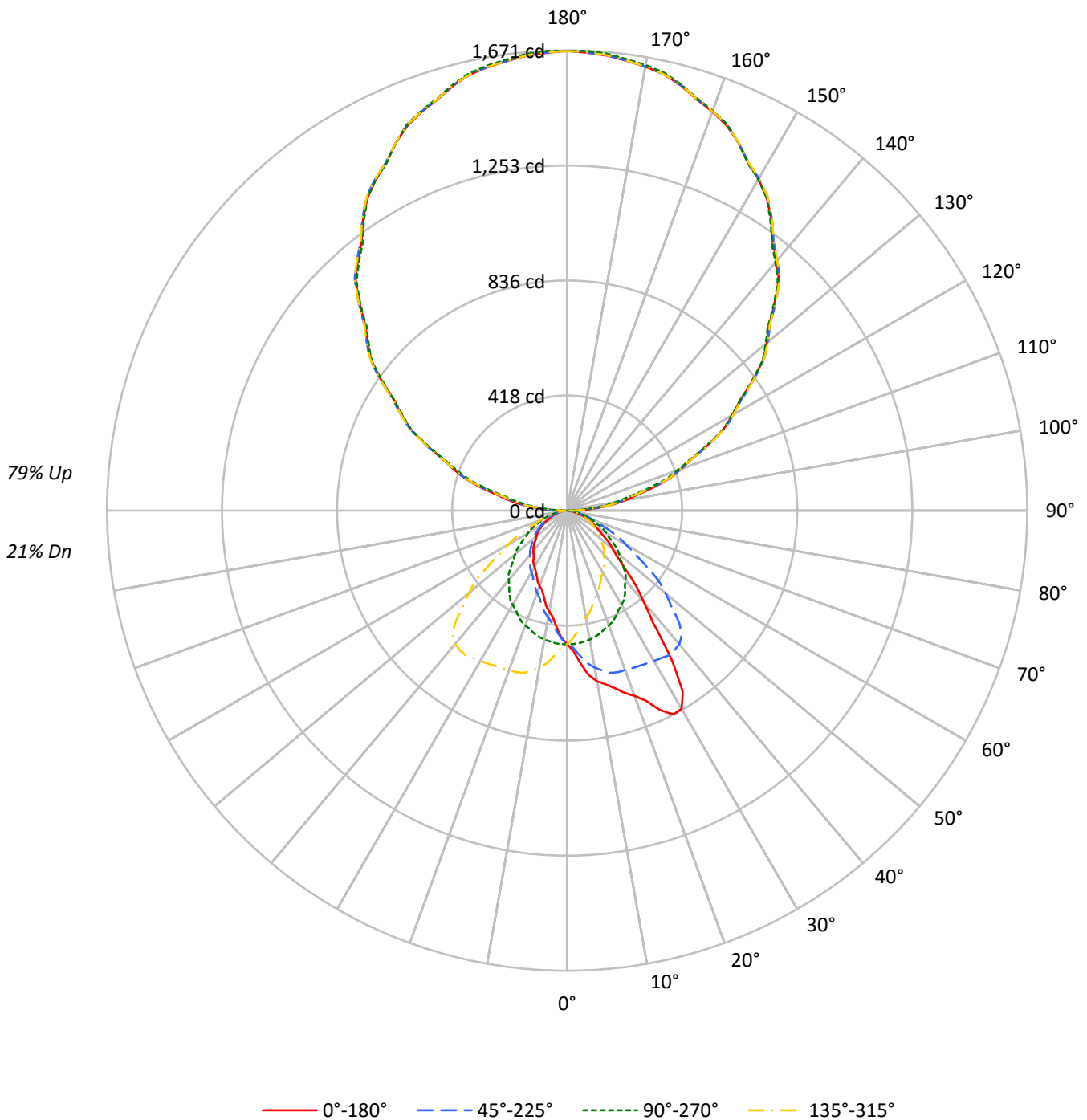
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	89	89	89	67	67	67	48	48	48	30	30	30	21
1	92	87	84	81	81	78	75	72	59	57	55	42	41	40	26	26	25	18
2	83	76	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	28	21	20	19	13
4	70	59	52	46	61	53	47	42	41	36	33	29	27	24	19	17	16	12
5	64	53	45	40	56	47	41	36	36	32	28	26	23	21	17	15	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	18	15	14	12	9
7	54	42	35	30	48	38	32	27	29	25	22	21	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	29	23	19	22	18	15	16	14	11	11	9	8	6

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	0.8
10°-20°	136.2	2.3
20°-30°	215.9	3.7
30°-40°	260.4	4.4
40°-50°	232.6	3.9
50°-60°	178.3	3.0
60°-70°	115.9	2.0
70°-80°	56.3	1.0
80°-90°	17.1	0.3
90°-100°	111.8	1.9
100°-110°	330.0	5.6
110°-120°	559.0	9.4
120°-130°	735.7	12.4
130°-140°	824.3	13.9
140°-150°	807.9	13.7
150°-160°	678.6	11.5
160°-170°	451.1	7.6
170°-180°	157.9	2.7
0°-30°	398.6	6.7
0°-40°	659.0	11.1
0°-60°	1069.9	18.1
0°-90°	1259.2	21.3
90°-120°	1000.8	16.9
90°-150°	3368.6	56.9
90°-180°	4656.0	78.7
0°-180°	5915.4	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	18
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	565	560	565	560	565	559
125°	822	817	822	817	822	734
135°	1066	1062	1066	1062	1066	822
145°	1292	1287	1292	1287	1292	807
155°	1473	1473	1473	1473	1473	678
165°	1597	1601	1597	1601	1597	450
175°	1658	1665	1658	1665	1658	158
180°	1669	1669	1669	1669	1669	



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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°	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7	22.2	20.8	18.8
92.5°	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6	51.7	49.9	47.4
95°	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0	102.0	100.0	97.1
97.5°	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0	161.1	159.2	155.2
100°	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9	201.3	198.6	194.9
102.5°	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9	243.1	240.2	238.3
105°	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8	312.1	310.4	308.6
107.5°	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1	386.2	385.4	384.1
110°	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1	437.1	436.3	435.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0	488.6	488.3	487.2
115°	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9	567.1	567.5	566.9
117.5°	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8	644.5	644.4	643.8
120°	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3	697.3	697.3	697.0
122.5°	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8	749.0	749.2	748.5
125°	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8	825.3	825.9	825.6
127.5°	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1	900.3	900.7	900.3
130°	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9	950.2	950.5	949.9
132.5°	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7	998.0	998.3	998.4
135°	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3	1071.3	1071.3	1071.0
137.5°	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9	1142.5	1142.2	1141.5
140°	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0	1187.4	1186.9	1186.0
142.5°	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2	1231.8	1231.5	1230.5
145°	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9	1295.9	1295.9	1295.0
147.5°	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0	1354.3	1353.6	1352.9
150°	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1	1392.1	1392.1	1390.9
152.5°	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7	1426.0	1425.3	1424.8
155°	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1	1475.0	1473.9	1473.5
157.5°	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0	1517.9	1516.7	1516.4
160°	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0	1543.8	1542.7	1542.4
162.5°	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3	1568.0	1566.5	1566.5
165°	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1	1600.9	1599.8	1599.5
167.5°	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3	1624.6	1622.9	1622.9
170°	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9	1639.2	1637.4	1637.4
172.5°	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3	1649.6	1647.9	1647.9
175°	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0	1661.2	1659.5	1659.5
177.5°	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3	1666.9	1665.5	1665.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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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	8.3	5.9	3.6	1.3	3.6	5.9	8.3
92.5°	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4	33.1	34.7	36.2
95°	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4	85.0	85.6	86.1
97.5°	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3	140.4	140.7	140.9
100°	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
102.5°	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4	227.6	228.8	229.9
105°	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1	297.5	298.9	300.4
107.5°	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9	374.4	375.8	377.3
110°	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9	427.4	428.8	430.2



TEST NUMBER: P333657-935

CATALOG NUMBER: S125RDIW-S375D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9	480.7	481.5	482.2
115°	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6	560.9	562.0	563.1
117.5°	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6	640.2	640.7	641.2
120°	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5	691.0	692.4	693.9
122.5°	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6	744.1	744.6	745.1
125°	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7	818.5	820.3	822.0
127.5°	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7	895.7	896.6	897.6
130°	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4	942.9	944.3	945.7
132.5°	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2	990.6	992.9	995.3
135°	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2	1063.9	1065.7	1067.4
137.5°	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8	1133.5	1135.1	1136.8
140°	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5	1177.9	1179.3	1180.8
142.5°	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2	1222.4	1223.6	1224.8
145°	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9	1288.0	1289.2	1290.3
147.5°	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6	1348.2	1348.8	1349.5
150°	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1	1387.8	1387.6	1387.2
152.5°	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3	1421.8	1422.2	1422.5
155°	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2	1517.6	1517.0	1516.3
160°	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2	1544.4	1543.5	1542.7
162.5°	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2	1568.5	1567.9	1567.3
165°	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1	1600.5	1599.9	1599.4
167.5°	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1	1626.9	1625.8	1624.6
170°	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6	1641.5	1640.3	1639.2
172.5°	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0	1651.9	1650.7	1649.6
175°	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7	1663.5	1662.4	1661.2
177.5°	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7	1669.7	1668.9	1667.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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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	6.8	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	18.8	20.8	22.2	23.7	25.1	26.5	27.7
92.5°	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6	55.5	57.5	58.7
95°	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0	106.1	108.1	109.3
97.5°	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0	164.9	166.8	168.0
100°	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9	206.5	209.1	210.7
102.5°	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9	248.7	251.5	253.4
105°	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8	315.6	317.3	318.6
107.5°	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1	388.0	388.8	389.3
110°	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1	438.9	439.8	440.1



TEST NUMBER: P333657-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0	489.5	489.8	489.8
115°	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9	566.6	566.3	566.0
117.5°	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8	645.1	645.2	644.8
120°	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3	697.3	697.3	696.7
122.5°	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8	748.6	748.3	747.8
125°	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8	824.1	823.5	823.1
127.5°	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1	899.8	899.5	899.1
130°	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9	949.7	949.3	948.9
132.5°	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7	997.5	997.1	996.6
135°	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3	1071.3	1071.3	1070.7
137.5°	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9	1143.2	1143.6	1143.1
140°	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0	1188.6	1189.1	1188.7
142.5°	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2	1232.5	1233.0	1232.3
145°	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9	1295.9	1295.9	1295.5
147.5°	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0	1355.6	1356.3	1355.7
150°	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1	1392.1	1392.1	1391.7
152.5°	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7	1427.4	1428.1	1427.9
155°	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1	1477.3	1478.4	1478.3
157.5°	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0	1520.2	1521.3	1521.0
160°	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0	1546.1	1547.3	1547.1
162.5°	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3	1570.7	1572.1	1571.9
165°	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1	1603.3	1604.4	1604.1
167.5°	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3	1628.1	1629.8	1629.8
170°	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9	1642.6	1644.3	1644.3
172.5°	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3	1653.0	1654.8	1654.8
175°	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0	1664.7	1666.5	1666.3
177.5°	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3	1669.7	1671.0	1670.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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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°	28.6	29.4	30.3	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7
92.5°	59.4	60.0	60.6	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6
95°	109.9	110.6	111.1	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0
97.5°	168.3	168.7	169.0	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0
100°	211.2	211.8	212.4	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9
102.5°	254.2	254.9	255.8	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9
105°	319.4	320.3	321.2	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8
107.5°	389.2	389.2	389.1	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1
110°	439.8	439.5	439.2	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1



TEST NUMBER: P333657-935

CATALOG NUMBER: S125RDIW-S375D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	489.3	488.8	488.3	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0
115°	565.8	565.4	565.2	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9
117.5°	643.6	642.5	641.4	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8
120°	695.6	694.4	693.3	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3
122.5°	746.8	745.9	744.9	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8
125°	822.9	822.5	822.3	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8
127.5°	898.5	897.9	897.3	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1
130°	948.4	947.8	947.2	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9
132.5°	995.8	995.0	994.2	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7
135°	1069.5	1068.4	1067.2	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3
137.5°	1141.6	1140.1	1138.7	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9
140°	1187.3	1185.9	1184.4	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0
142.5°	1230.9	1229.5	1228.0	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2
145°	1294.6	1293.7	1292.9	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9
147.5°	1353.8	1351.8	1349.9	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0
150°	1391.1	1390.6	1390.0	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1
152.5°	1426.8	1425.8	1424.8	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7
155°	1476.9	1475.4	1473.9	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1
157.5°	1519.0	1517.1	1515.2	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0
160°	1545.7	1544.2	1542.8	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0
162.5°	1570.3	1568.6	1566.9	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3
165°	1602.4	1600.7	1599.0	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1
167.5°	1628.0	1626.3	1624.4	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3
170°	1642.2	1640.2	1638.1	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9
172.5°	1652.9	1651.1	1649.3	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3
175°	1664.3	1662.2	1660.3	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0
177.5°	1669.3	1667.7	1666.0	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333657-935

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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	6.8	6.5	6.1	5.8	5.6	5.5	5.3
90°	22.2	20.8	18.8	16.7	14.7	12.7	10.5	8.3	5.9	3.6	1.3
92.5°	51.7	49.9	47.4	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4
95°	102.0	100.0	97.1	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4
97.5°	161.1	159.2	155.2	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3
100°	201.3	198.6	194.9	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8
102.5°	243.1	240.2	238.3	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4
105°	312.1	310.4	308.6	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1
107.5°	386.2	385.4	384.1	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9
110°	437.1	436.3	435.4	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9



TEST NUMBER: P333657-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.6	488.3	487.2	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9
115°	567.1	567.5	566.9	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6
117.5°	644.5	644.4	643.8	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6
120°	697.3	697.3	697.0	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5
122.5°	749.0	749.2	748.5	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6
125°	825.3	825.9	825.6	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7
127.5°	900.3	900.7	900.3	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7
130°	950.2	950.5	949.9	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4
132.5°	998.0	998.3	998.4	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2
135°	1071.3	1071.3	1071.0	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2
137.5°	1142.5	1142.2	1141.5	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8
140°	1187.4	1186.9	1186.0	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5
142.5°	1231.8	1231.5	1230.5	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2
145°	1295.9	1295.9	1295.0	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9
147.5°	1354.3	1353.6	1352.9	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6
150°	1392.1	1392.1	1390.9	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1
152.5°	1426.0	1425.3	1424.8	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3
155°	1475.0	1473.9	1473.5	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1517.9	1516.7	1516.4	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2
160°	1543.8	1542.7	1542.4	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2
162.5°	1568.0	1566.5	1566.5	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2
165°	1600.9	1599.8	1599.5	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1
167.5°	1624.6	1622.9	1622.9	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1
170°	1639.2	1637.4	1637.4	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6
172.5°	1649.6	1647.9	1647.9	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0
175°	1661.2	1659.5	1659.5	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7
177.5°	1666.9	1665.5	1665.7	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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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	8.3	10.5	12.7	14.7	16.7	18.8	20.8	22.2	23.7
92.5°	33.1	34.7	36.2	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6
95°	85.0	85.6	86.1	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0
97.5°	140.4	140.7	140.9	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0
100°	181.8	181.8	181.8	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9
102.5°	227.6	228.8	229.9	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9
105°	297.5	298.9	300.4	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8
107.5°	374.4	375.8	377.3	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1
110°	427.4	428.8	430.2	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.7	481.5	482.2	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0
115°	560.9	562.0	563.1	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9
117.5°	640.2	640.7	641.2	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8
120°	691.0	692.4	693.9	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3
122.5°	744.1	744.6	745.1	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8
125°	818.5	820.3	822.0	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8
127.5°	895.7	896.6	897.6	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1
130°	942.9	944.3	945.7	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9
132.5°	990.6	992.9	995.3	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7
135°	1063.9	1065.7	1067.4	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3
137.5°	1133.5	1135.1	1136.8	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9
140°	1177.9	1179.3	1180.8	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0
142.5°	1222.4	1223.6	1224.8	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2
145°	1288.0	1289.2	1290.3	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9
147.5°	1348.2	1348.8	1349.5	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0
150°	1387.8	1387.6	1387.2	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1
152.5°	1421.8	1422.2	1422.5	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7
155°	1472.6	1472.6	1472.6	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1
157.5°	1517.6	1517.0	1516.3	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0
160°	1544.4	1543.5	1542.7	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0
162.5°	1568.5	1567.9	1567.3	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3
165°	1600.5	1599.9	1599.4	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1
167.5°	1626.9	1625.8	1624.6	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3
170°	1641.5	1640.3	1639.2	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9
172.5°	1651.9	1650.7	1649.6	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3
175°	1663.5	1662.4	1661.2	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0
177.5°	1669.7	1668.9	1667.9	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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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	27.7	28.6	29.4	30.3	31.2
92.5°	55.5	57.5	58.7	59.4	60.0	60.6	61.3
95°	106.1	108.1	109.3	109.9	110.6	111.1	111.7
97.5°	164.9	166.8	168.0	168.3	168.7	169.0	169.4
100°	206.5	209.1	210.7	211.2	211.8	212.4	212.9
102.5°	248.7	251.5	253.4	254.2	254.9	255.8	256.6
105°	315.6	317.3	318.6	319.4	320.3	321.2	322.0
107.5°	388.0	388.8	389.3	389.2	389.2	389.1	389.0
110°	438.9	439.8	440.1	439.8	439.5	439.2	438.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	489.5	489.8	489.8	489.3	488.8	488.3	487.8
115°	566.6	566.3	566.0	565.8	565.4	565.2	564.9
117.5°	645.1	645.2	644.8	643.6	642.5	641.4	640.2
120°	697.3	697.3	696.7	695.6	694.4	693.3	692.2
122.5°	748.6	748.3	747.8	746.8	745.9	744.9	744.1
125°	824.1	823.5	823.1	822.9	822.5	822.3	822.0
127.5°	899.8	899.5	899.1	898.5	897.9	897.3	896.7
130°	949.7	949.3	948.9	948.4	947.8	947.2	946.7
132.5°	997.5	997.1	996.6	995.8	995.0	994.2	993.3
135°	1071.3	1071.3	1070.7	1069.5	1068.4	1067.2	1066.1
137.5°	1143.2	1143.6	1143.1	1141.6	1140.1	1138.7	1137.2
140°	1188.6	1189.1	1188.7	1187.3	1185.9	1184.4	1182.9
142.5°	1232.5	1233.0	1232.3	1230.9	1229.5	1228.0	1226.6
145°	1295.9	1295.9	1295.5	1294.6	1293.7	1292.9	1292.0
147.5°	1355.6	1356.3	1355.7	1353.8	1351.8	1349.9	1347.9
150°	1392.1	1392.1	1391.7	1391.1	1390.6	1390.0	1389.4
152.5°	1427.4	1428.1	1427.9	1426.8	1425.8	1424.8	1423.7
155°	1477.3	1478.4	1478.3	1476.9	1475.4	1473.9	1472.6
157.5°	1520.2	1521.3	1521.0	1519.0	1517.1	1515.2	1513.3
160°	1546.1	1547.3	1547.1	1545.7	1544.2	1542.8	1541.4
162.5°	1570.7	1572.1	1571.9	1570.3	1568.6	1566.9	1565.2
165°	1603.3	1604.4	1604.1	1602.4	1600.7	1599.0	1597.2
167.5°	1628.1	1629.8	1629.8	1628.0	1626.3	1624.4	1622.6
170°	1642.6	1644.3	1644.3	1642.2	1640.2	1638.1	1636.2
172.5°	1653.0	1654.8	1654.8	1652.9	1651.1	1649.3	1647.6
175°	1664.7	1666.5	1666.3	1664.3	1662.2	1660.3	1658.2
177.5°	1669.7	1671.0	1670.9	1669.3	1667.7	1666.0	1664.5
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6

(END OF REPORT)