

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: P333656-930

Luminaire Tested: **S125RDIW-S375D1560U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333656-930
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-S375D1560U930-4F0-1E-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: 6276.6 lumens
Efficiency: N/A
Efficacy: 117.5 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

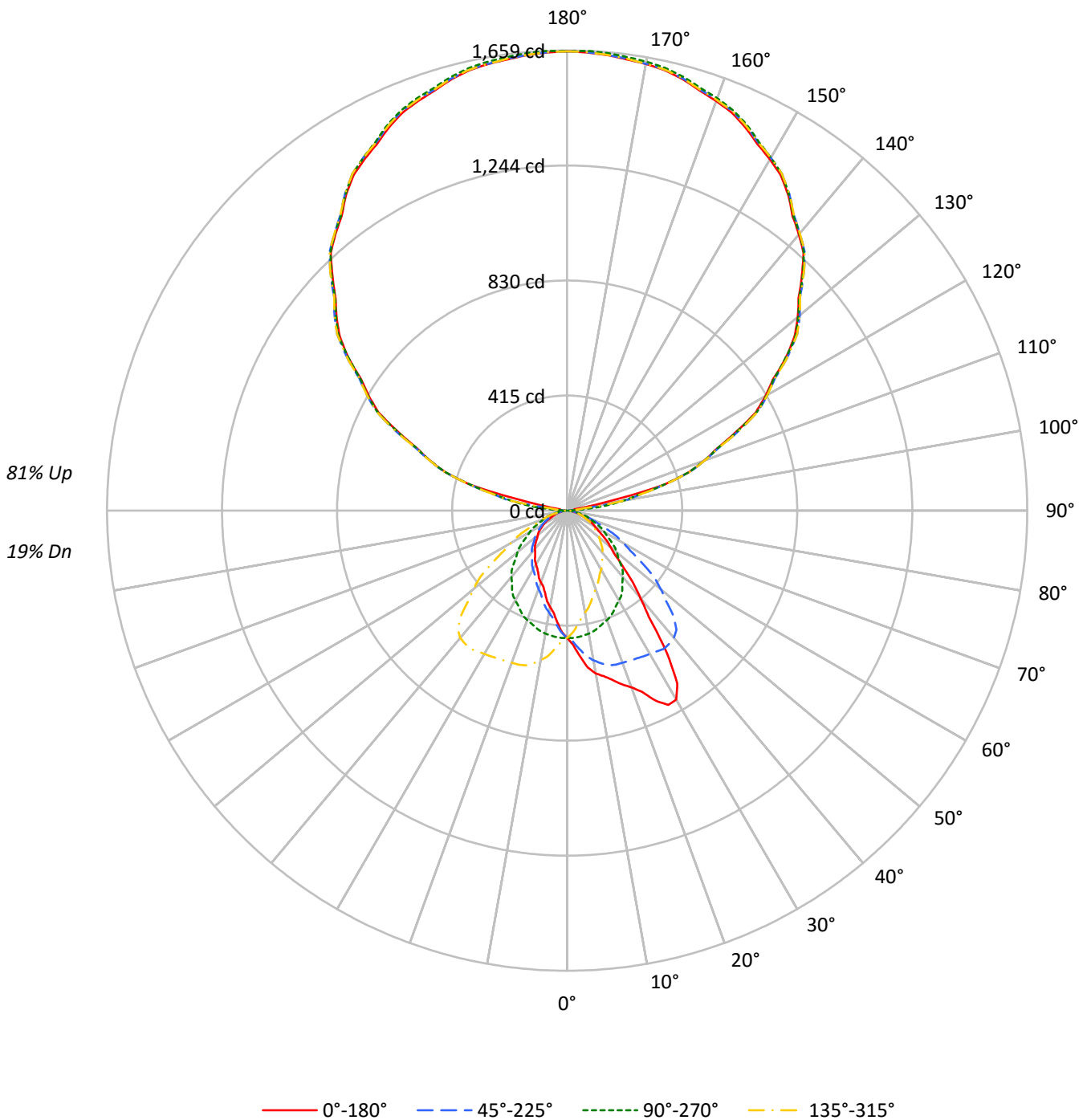
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2964	2964	2964	2964
5°	3409	2968	2621	2968
10°	3912	2952	2313	2952
15°	4225	2923	2055	2923
20°	4658	2887	1898	2887
25°	5392	2840	1762	2840
30°	5867	2791	1672	2791
35°	4949	2734	1589	2734
40°	3456	2632	1518	2632
45°	2564	2493	1449	2493
50°	2045	2349	1390	2349
55°	1735	2170	1337	2170
60°	1498	2010	1252	2010
65°	1336	1837	1076	1837
70°	1175	1682	982	1682
75°	1016	1457	921	1457
80°	770	1224	770	1224
85°	637	963	726	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	0.7
10°-20°	129.0	2.1
20°-30°	204.5	3.3
30°-40°	246.6	3.9
40°-50°	220.2	3.5
50°-60°	168.9	2.7
60°-70°	109.7	1.7
70°-80°	53.3	0.8
80°-90°	16.2	0.3
90°-100°	60.2	1.0
100°-110°	370.8	5.9
110°-120°	672.5	10.7
120°-130°	863.1	13.8
130°-140°	928.3	14.8
140°-150°	871.4	13.9
150°-160°	704.9	11.2
160°-170°	455.9	7.3
170°-180°	157.2	2.5
0°-30°	377.5	6.0
0°-40°	624.0	9.9
0°-60°	1013.1	16.1
0°-90°	1192.4	19.0
90°-120°	1103.5	17.6
90°-150°	3766.2	60.0
90°-180°	5084.0	81.0
0°-180°	6276.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	459	459	459	459	459	
5°	526	458	404	458	526	53
15°	632	437	307	437	632	181
25°	757	399	247	399	757	347
35°	628	347	202	347	628	379
45°	281	273	159	273	281	224
55°	154	193	119	193	154	140
65°	87	120	70	120	87	87
75°	41	58	37	58	41	43
85°	9	13	10	13	9	11
90°	29	1	29	1	29	13
95°	26	70	26	70	26	21
105°	364	361	364	361	364	330
115°	672	678	672	678	672	668
125°	963	963	963	963	963	857
135°	1197	1202	1197	1202	1197	923
145°	1389	1393	1389	1393	1389	868
155°	1523	1534	1523	1534	1523	702
165°	1610	1619	1610	1619	1610	454
175°	1648	1656	1648	1656	1648	157
180°	1656	1656	1656	1656	1656	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	482.7	482.4	483.1	481.4	481.5	479.0	479.0	477.0	474.4	472.5	471.6
5°	525.9	526.4	525.6	522.8	520.9	518.0	514.9	509.2	504.5	499.9	496.4
7.5°	570.5	570.8	568.3	567.4	562.6	559.2	552.1	544.4	537.6	528.9	522.3
10°	596.5	596.2	593.6	591.5	587.4	582.1	575.1	566.1	557.7	548.2	539.2
12.5°	611.5	611.0	610.2	607.6	603.8	599.2	593.2	584.3	573.9	563.6	553.0
15°	631.9	630.6	628.1	624.8	619.4	613.9	607.4	599.5	589.5	577.8	568.0
17.5°	657.0	657.0	653.3	648.8	641.4	631.8	621.6	608.9	595.3	582.4	572.0
20°	677.8	677.3	673.5	664.8	656.3	644.2	632.6	616.9	600.4	583.6	570.6
22.5°	707.7	706.2	702.3	690.9	677.8	662.2	644.3	625.3	605.2	586.2	569.1
25°	756.6	755.5	747.7	734.5	716.1	692.1	668.8	642.6	613.8	588.7	568.0
27.5°	790.0	788.8	783.0	772.1	755.0	729.9	698.3	663.2	627.3	592.8	563.0
30°	786.7	789.5	788.8	783.7	770.9	748.3	719.1	679.7	636.9	596.5	560.8
32.5°	739.4	741.9	748.5	758.6	759.3	750.2	728.4	692.0	647.8	601.7	559.1
35°	627.7	631.1	643.9	664.1	690.5	712.5	717.0	697.4	657.6	608.1	556.7
37.5°	482.6	501.1	511.9	533.1	573.0	613.5	652.5	666.8	650.0	605.4	552.7
40°	409.9	414.4	433.7	457.6	491.1	533.3	588.9	629.0	630.3	599.5	546.3
42.5°	350.8	356.6	369.7	388.9	417.6	459.7	517.1	570.1	594.6	582.9	538.0
45°	280.7	285.0	294.6	309.3	331.3	366.2	415.6	476.8	525.4	544.5	515.8
47.5°	230.6	232.9	241.2	252.5	268.8	294.2	332.4	385.6	443.8	484.7	480.7
50°	203.5	206.1	212.5	220.9	234.7	256.2	286.7	331.0	391.1	441.0	451.0
52.5°	182.4	184.6	188.6	196.6	207.9	224.4	249.1	289.1	343.2	396.2	419.4
55°	154.1	155.6	158.8	163.3	172.4	184.3	205.5	233.3	277.0	330.4	364.4
57.5°	130.9	131.6	133.6	137.8	144.1	152.7	168.1	191.5	222.9	271.1	308.5
60°	116.0	116.8	119.4	122.3	127.2	135.1	147.2	163.5	193.6	233.4	271.3
62.5°	104.3	104.8	105.9	108.7	113.0	119.1	128.6	141.9	165.9	200.9	236.6
65°	87.4	87.6	88.0	90.3	92.9	97.4	103.6	113.0	131.1	157.5	189.1
67.5°	71.2	71.5	72.8	73.6	76.3	78.7	82.3	89.5	102.3	120.1	144.7
70°	62.2	62.0	63.3	64.2	65.1	68.0	70.4	76.3	84.2	97.8	118.3
72.5°	53.7	53.2	53.8	54.1	55.4	57.3	59.8	63.3	69.5	78.8	94.5
75°	40.7	40.8	40.8	41.3	42.2	43.0	43.7	45.6	49.0	55.2	63.7
77.5°	28.5	28.3	29.0	29.2	29.8	30.6	31.2	32.0	33.3	35.9	40.3
80°	20.7	20.7	20.9	21.4	21.3	21.7	22.6	23.4	25.0	26.6	28.0
82.5°	15.9	15.7	15.9	16.1	16.0	16.4	16.7	16.9	17.5	18.3	19.3
85°	8.6	8.6	8.9	8.9	9.0	9.0	9.2	9.2	9.2	9.5	9.6
87.5°	9.2	8.9	8.6	8.4	8.4	8.5	8.1	7.7	7.3	7.1	6.8
90°	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3	21.0	19.6	17.7
92.5°	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3	21.0	19.6	17.9
95°	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3	21.0	19.6	30.0
97.5°	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0	52.7	60.4	80.9
100°	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2	172.9	213.5	212.5
102.5°	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1	264.8	272.5	271.8
105°	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1	463.0	462.9	462.4
110°	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1	526.9	527.7	527.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5	589.5	590.6	590.3
115°	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7	683.7	684.9	684.6
117.5°	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6	774.9	776.4	775.3
120°	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3	832.8	833.3	832.5
122.5°	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2	888.8	889.3	888.9
125°	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9	970.9	972.0	972.0
127.5°	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5	1045.1	1045.7	1045.9
130°	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2	1094.0	1094.8	1094.5
132.5°	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6	1138.8	1139.0	1139.5
135°	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3	1205.9	1206.5	1207.0
137.5°	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5	1267.5	1267.3	1267.8
140°	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7	1305.2	1304.6	1304.9
142.5°	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1	1343.0	1343.0	1342.6
145°	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0	1395.7	1395.5	1395.5
147.5°	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3	1441.0	1440.6	1440.3
150°	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1	1469.7	1469.1	1468.5
152.5°	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7	1495.2	1494.6	1494.1
155°	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9	1530.1	1529.3	1528.7
157.5°	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9	1559.1	1558.2	1558.1
160°	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0	1577.0	1575.9	1575.6
162.5°	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6	1593.1	1591.5	1591.3
165°	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9	1614.3	1612.7	1612.4
167.5°	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1	1630.1	1628.2	1627.9
170°	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4	1638.2	1636.0	1635.7
172.5°	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8	1644.9	1642.9	1642.4
175°	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8	1651.7	1649.5	1649.3
177.5°	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8	1655.2	1653.7	1653.4
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	471.6	470.5	468.6	466.8	464.5	462.5	461.1	459.5	457.4	454.9	452.7
5°	492.4	488.3	482.8	478.1	472.1	467.4	462.5	457.8	453.1	447.0	441.7
7.5°	515.6	507.0	498.7	488.2	478.7	470.3	462.1	453.9	445.8	437.2	429.0
10°	529.8	519.3	507.9	494.7	482.7	471.2	460.6	450.2	439.3	429.7	419.4
12.5°	543.0	529.6	516.5	499.9	485.3	471.3	457.9	445.0	433.3	420.9	409.7
15°	555.0	541.8	527.1	506.8	486.6	469.6	453.8	437.1	422.6	408.6	396.2
17.5°	559.6	545.8	528.7	509.2	487.1	465.8	445.4	427.1	409.9	393.7	379.8
20°	557.8	544.5	526.9	508.3	484.7	462.5	440.4	420.1	401.0	383.9	369.1
22.5°	553.4	539.6	522.7	503.0	480.6	457.1	433.5	411.8	391.9	374.1	357.9
25°	546.9	528.1	510.7	491.5	470.2	446.9	422.6	398.6	377.3	359.2	341.5
27.5°	540.1	516.6	494.5	475.4	452.9	432.1	408.6	384.1	361.7	343.3	325.1
30°	533.9	507.5	483.2	461.5	440.3	420.4	398.3	374.3	351.3	332.3	313.9
32.5°	526.2	498.1	471.5	446.5	425.9	406.3	386.2	363.3	341.0	321.3	302.6
35°	516.6	480.8	451.8	425.2	402.4	383.4	365.3	346.8	324.4	304.0	285.8
37.5°	503.9	463.3	429.7	400.8	376.7	357.7	343.3	326.4	306.0	286.6	269.6
40°	496.2	450.6	413.9	385.2	360.0	339.8	326.4	312.2	293.5	275.2	258.3
42.5°	486.0	439.0	397.9	368.1	342.7	323.3	309.7	297.3	281.6	264.4	246.2
45°	465.9	416.5	373.4	341.4	315.8	296.7	284.1	273.0	261.1	245.2	229.4
47.5°	439.8	393.1	347.9	312.9	287.9	270.2	258.0	249.2	240.7	227.2	211.9
50°	418.8	373.7	329.7	295.8	269.0	252.3	240.8	233.8	226.1	213.9	201.0
52.5°	394.0	353.8	310.7	276.1	250.8	235.1	224.0	217.0	210.7	200.7	188.5
55°	355.1	319.8	280.3	248.8	225.7	209.9	199.3	192.7	189.0	180.5	170.9
57.5°	310.1	284.9	250.1	219.7	199.2	183.6	175.9	170.2	166.0	160.0	153.2
60°	278.8	261.1	229.8	201.0	182.1	167.3	160.3	155.6	151.6	146.6	141.3
62.5°	247.0	234.2	206.9	182.1	164.9	152.4	145.9	141.6	137.1	133.6	128.5
65°	204.4	192.9	174.1	154.7	138.7	128.7	123.9	120.2	117.4	113.6	110.0
67.5°	159.0	154.3	141.3	127.9	116.4	107.5	103.5	100.9	97.5	95.2	92.8
70°	131.1	128.8	119.6	110.8	100.0	94.0	90.3	89.1	85.0	82.7	81.0
72.5°	106.4	105.3	100.0	93.9	86.3	81.0	77.6	76.3	73.6	71.8	70.8
75°	72.9	73.3	72.3	68.4	65.6	62.2	59.2	58.4	56.5	55.0	54.1
77.5°	46.1	48.0	48.1	47.9	46.8	44.8	43.5	42.9	41.1	40.5	40.3
80°	31.6	33.8	35.6	35.4	35.1	34.5	33.5	32.9	32.0	31.5	31.1
82.5°	21.1	23.0	24.6	25.6	25.5	24.9	24.4	24.1	23.9	23.5	23.4
85°	9.9	10.4	10.9	12.2	13.2	13.4	13.2	13.0	12.5	12.6	12.8
87.5°	6.6	6.3	6.0	5.6	5.1	5.3	5.4	5.1	5.2	5.3	5.5
90°	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9	17.4	15.8	14.3
95°	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0	69.1	68.3	67.5
97.5°	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0	147.5	149.0	150.5
100°	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0	205.8	206.6	207.4
102.5°	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9	265.9	266.9	268.0
105°	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9	361.9	363.1	364.1
107.5°	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5
110°	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3



TEST NUMBER: P333656-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2	586.9	587.5	588.2
115°	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5	678.8	680.2	681.6
117.5°	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0	771.9	771.8	771.8
120°	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9	830.6	830.4	830.1
122.5°	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0	883.9	885.0	886.1
125°	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4	965.3	967.3	969.1
127.5°	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2	1041.6	1043.0	1044.4
130°	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4	1088.8	1090.1	1091.5
132.5°	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5	1136.1	1137.7	1139.3
135°	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5	1203.1	1204.8	1206.5
137.5°	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1	1264.5	1266.0	1267.4
140°	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4	1304.0	1304.5	1305.0
142.5°	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7	1340.0	1340.4	1340.7
145°	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0	1393.5	1394.1	1394.7
147.5°	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7	1439.5	1439.4	1439.3
150°	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1468.5	1468.0	1467.5
152.5°	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5	1496.4	1495.2	1494.0
155°	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1	1532.5	1530.9	1529.3
157.5°	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4	1561.4	1560.4	1559.4
160°	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0	1580.4	1578.7	1577.1
162.5°	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7	1596.1	1594.5	1592.8
165°	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9	1617.2	1615.5	1613.9
167.5°	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5	1632.9	1631.2	1629.5
170°	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4	1641.4	1639.6	1637.6
172.5°	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3	1647.4	1645.4	1643.6
175°	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6	1654.0	1652.4	1650.7
177.5°	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6	1657.3	1656.0	1654.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333656-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	451.2	449.1	447.6	444.6	442.5	441.6	439.9	439.4	441.2	439.9	439.8
5°	437.8	432.4	428.0	423.7	419.0	416.0	411.4	410.7	409.5	407.9	407.5
7.5°	421.8	414.6	409.0	401.9	395.7	390.6	385.0	382.3	380.8	378.6	375.7
10°	410.9	402.4	394.8	387.7	380.0	373.7	368.1	363.8	360.9	358.3	357.2
12.5°	400.1	391.5	381.9	373.2	364.6	357.7	351.4	348.5	345.4	342.3	339.7
15°	383.5	372.1	361.5	351.6	344.2	336.6	330.6	326.4	321.8	320.4	315.4
17.5°	365.9	354.7	342.3	331.8	323.3	315.0	308.3	303.6	300.1	295.2	292.9
20°	354.9	341.5	329.5	319.8	310.5	300.7	293.9	289.9	286.6	282.6	280.7
22.5°	343.2	330.1	317.7	306.5	296.9	287.2	282.4	278.3	274.5	270.8	268.3
25°	325.9	312.7	299.7	288.0	278.1	271.1	265.5	260.7	258.7	255.1	252.4
27.5°	308.8	294.8	281.4	269.7	261.9	254.9	250.3	246.6	242.9	239.8	237.4
30°	297.8	283.6	268.8	259.6	251.3	244.8	239.6	236.0	233.3	230.4	228.7
32.5°	286.8	272.1	259.0	249.1	241.2	235.5	230.3	226.8	223.9	220.8	218.7
35°	269.2	254.1	243.6	233.8	226.1	220.8	217.2	212.3	209.9	207.6	205.5
37.5°	252.8	238.8	227.4	218.8	212.1	206.8	202.2	199.6	196.6	194.5	192.8
40°	240.8	228.0	217.6	208.6	203.7	197.8	193.5	190.0	187.8	185.2	183.3
42.5°	229.9	218.0	207.9	199.8	193.7	188.7	184.6	181.2	178.3	176.4	174.9
45°	214.6	202.7	192.9	185.4	179.7	175.0	170.6	169.0	165.2	163.0	162.2
47.5°	198.7	188.1	178.6	171.7	165.9	161.4	157.4	153.9	151.8	149.6	148.4
50°	188.0	177.8	169.0	162.2	156.5	151.6	147.9	145.6	142.8	140.7	139.3
52.5°	177.3	167.9	159.1	152.5	147.7	142.8	138.5	136.3	133.6	132.3	131.3
55°	162.0	152.1	144.5	138.1	133.0	128.5	124.5	122.3	120.6	119.3	118.9
57.5°	144.7	136.8	129.8	124.0	118.7	114.5	111.0	108.8	107.4	107.1	106.0
60°	133.4	126.2	119.8	113.6	109.1	105.1	102.1	99.6	98.2	98.0	97.6
62.5°	122.1	115.2	109.3	103.8	99.7	96.0	93.0	90.3	89.4	88.5	87.6
65°	105.3	99.1	94.2	89.8	85.5	82.3	79.5	77.8	75.7	74.6	72.6
67.5°	88.9	84.1	79.3	75.7	72.2	69.2	66.9	64.3	62.9	62.0	60.6
70°	78.0	74.2	69.5	65.6	62.9	60.5	58.6	55.8	54.8	54.1	53.3
72.5°	67.8	64.4	60.5	57.2	54.6	52.3	50.1	48.8	47.9	47.1	46.7
75°	53.3	50.1	46.7	44.4	42.6	40.7	39.5	38.6	38.2	38.1	37.3
77.5°	39.1	37.4	34.7	32.9	31.7	30.9	29.9	29.4	29.4	28.5	28.3
80°	29.9	29.0	26.7	26.0	25.0	24.3	23.7	22.8	21.9	21.4	20.9
82.5°	22.3	21.4	20.4	19.2	18.4	17.9	17.4	17.0	17.2	16.6	16.4
85°	11.9	10.9	10.5	10.4	9.9	10.4	10.2	9.9	9.8	9.6	9.8
87.5°	5.8	6.2	6.4	7.1	7.0	7.6	7.8	7.9	8.2	8.5	8.6
90°	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3	23.7	25.1	26.2
92.5°	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3	23.7	25.1	25.9
95°	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3	23.7	25.1	25.8
97.5°	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0	37.3	29.6	25.8
100°	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2	91.6	51.0	30.2
102.5°	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1	249.4	241.7	228.6
105°	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.6
107.5°	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1	463.1	463.2	462.8
110°	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1	525.3	524.5	524.2



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5	587.5	586.4	585.7
115°	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7	681.6	680.4	679.1
117.5°	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6	772.2	770.7	769.6
120°	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3	831.7	831.2	830.2
122.5°	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2	887.7	887.1	886.1
125°	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9	968.7	967.7	966.7
127.5°	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5	1043.9	1043.3	1042.0
130°	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2	1092.3	1091.5	1090.4
132.5°	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6	1138.5	1138.3	1137.5
135°	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3	1204.8	1204.3	1203.1
137.5°	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5	1267.6	1267.8	1267.1
140°	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7	1306.3	1306.8	1306.3
142.5°	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1	1343.3	1343.4	1342.6
145°	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0	1396.3	1396.5	1395.9
147.5°	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3	1441.6	1441.9	1441.1
150°	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1	1470.7	1471.3	1470.5
152.5°	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7	1496.2	1496.8	1496.1
155°	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9	1531.7	1532.5	1531.8
157.5°	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9	1560.8	1561.7	1561.1
160°	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0	1579.2	1580.2	1579.7
162.5°	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6	1596.2	1597.7	1597.3
165°	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9	1617.6	1619.3	1618.9
167.5°	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1	1634.0	1636.0	1635.7
170°	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4	1642.6	1644.7	1644.6
172.5°	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8	1648.8	1650.7	1650.5
175°	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8	1656.0	1658.2	1658.1
177.5°	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8	1658.2	1659.8	1659.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333656-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.6	438.0	437.5	438.1	437.5	438.0	439.6	439.8	439.9	441.2	439.4
5°	405.6	403.7	404.6	404.3	404.6	403.7	405.6	407.5	407.9	409.5	410.7
7.5°	375.7	373.3	370.9	371.6	370.9	373.3	375.7	375.7	378.6	380.8	382.3
10°	354.7	352.9	351.7	352.7	351.7	352.9	354.7	357.2	358.3	360.9	363.8
12.5°	337.1	336.0	335.0	334.6	335.0	336.0	337.1	339.7	342.3	345.4	348.5
15°	313.1	310.9	309.9	307.4	309.9	310.9	313.1	315.4	320.4	321.8	326.4
17.5°	291.0	290.2	287.8	286.7	287.8	290.2	291.0	292.9	295.2	300.1	303.6
20°	277.9	277.1	274.7	276.1	274.7	277.1	277.9	280.7	282.6	286.6	289.9
22.5°	267.0	265.4	264.6	264.2	264.6	265.4	267.0	268.3	270.8	274.5	278.3
25°	251.7	249.2	248.3	247.2	248.3	249.2	251.7	252.4	255.1	258.7	260.7
27.5°	236.4	235.1	233.8	233.5	233.8	235.1	236.4	237.4	239.8	242.9	246.6
30°	226.4	225.1	224.2	224.2	224.2	225.1	226.4	228.7	230.4	233.3	236.0
32.5°	217.5	216.5	215.6	215.4	215.6	216.5	217.5	218.7	220.8	223.9	226.8
35°	204.6	203.1	202.7	201.5	202.7	203.1	204.6	205.5	207.6	209.9	212.3
37.5°	191.1	189.9	189.9	189.7	189.9	189.9	191.1	192.8	194.5	196.6	199.6
40°	182.5	181.6	181.4	180.1	181.4	181.6	182.5	183.3	185.2	187.8	190.0
42.5°	173.3	172.8	172.2	171.6	172.2	172.8	173.3	174.9	176.4	178.3	181.2
45°	160.9	159.6	159.6	158.7	159.6	159.6	160.9	162.2	163.0	165.2	169.0
47.5°	148.0	147.0	147.1	146.1	147.1	147.0	148.0	148.4	149.6	151.8	153.9
50°	139.4	138.8	138.7	138.3	138.7	138.8	139.4	139.3	140.7	142.8	145.6
52.5°	130.9	130.5	131.3	130.4	131.3	130.5	130.9	131.3	132.3	133.6	136.3
55°	119.3	118.7	119.8	118.7	119.8	118.7	119.3	118.9	119.3	120.6	122.3
57.5°	106.0	105.4	106.5	105.9	106.5	105.4	106.0	106.0	107.1	107.4	108.8
60°	97.2	96.0	96.6	96.9	96.6	96.0	97.2	97.6	98.0	98.2	99.6
62.5°	86.8	86.1	86.6	85.7	86.6	86.1	86.8	87.6	88.5	89.4	90.3
65°	72.2	71.6	70.8	70.4	70.8	71.6	72.2	72.6	74.6	75.7	77.8
67.5°	60.7	59.3	59.2	59.5	59.2	59.3	60.7	60.6	62.0	62.9	64.3
70°	52.2	52.2	52.0	52.0	52.0	52.2	52.2	53.3	54.1	54.8	55.8
72.5°	46.3	46.1	45.8	45.7	45.8	46.1	46.3	46.7	47.1	47.9	48.8
75°	37.3	37.5	37.1	36.9	37.1	37.5	37.3	37.3	38.1	38.2	38.6
77.5°	27.6	26.7	27.1	26.7	27.1	26.7	27.6	28.3	28.5	29.4	29.4
80°	20.9	20.7	21.3	20.7	21.3	20.7	20.9	20.9	21.4	21.9	22.8
82.5°	16.6	16.4	16.6	16.2	16.6	16.4	16.6	16.4	16.6	17.2	17.0
85°	9.9	9.8	9.6	9.8	9.6	9.8	9.9	9.8	9.6	9.8	9.9
87.5°	8.9	8.9	9.0	9.2	9.0	8.9	8.9	8.6	8.5	8.2	7.9
90°	27.0	27.8	28.6	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3
92.5°	26.3	26.7	27.1	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3
95°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3
97.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0
100°	29.0	28.0	26.9	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2
102.5°	210.0	191.5	172.9	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1
105°	365.3	365.1	364.8	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7
107.5°	461.9	461.1	460.3	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1
110°	524.5	524.7	525.1	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	585.4	585.0	584.6	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5
115°	677.5	675.8	674.2	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7
117.5°	769.0	768.3	767.5	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6
120°	828.8	827.4	826.1	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3
122.5°	884.5	882.9	881.3	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2
125°	965.9	965.1	964.3	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9
127.5°	1039.9	1038.0	1035.9	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5
130°	1089.1	1087.7	1086.3	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2
132.5°	1136.2	1134.8	1133.4	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6
135°	1201.5	1199.9	1198.2	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3
137.5°	1265.7	1264.3	1262.8	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5
140°	1304.6	1303.0	1301.4	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7
142.5°	1340.9	1339.3	1337.7	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1
145°	1394.2	1392.6	1391.0	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0
147.5°	1439.2	1437.2	1435.3	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3
150°	1468.3	1466.1	1464.0	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1
152.5°	1494.1	1492.2	1490.2	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7
155°	1529.7	1527.5	1525.3	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9
157.5°	1558.9	1556.7	1554.4	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9
160°	1577.5	1575.3	1573.1	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0
162.5°	1594.9	1592.4	1590.1	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6
165°	1616.8	1614.6	1612.4	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9
167.5°	1633.3	1630.8	1628.4	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1
170°	1642.2	1639.7	1637.2	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4
172.5°	1648.0	1645.6	1643.2	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8
175°	1655.6	1653.2	1650.7	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8
177.5°	1657.9	1656.2	1654.4	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333656-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.9	441.6	442.5	444.6	447.6	449.1	451.2	452.7	454.9	457.4	459.5
5°	411.4	416.0	419.0	423.7	428.0	432.4	437.8	441.7	447.0	453.1	457.8
7.5°	385.0	390.6	395.7	401.9	409.0	414.6	421.8	429.0	437.2	445.8	453.9
10°	368.1	373.7	380.0	387.7	394.8	402.4	410.9	419.4	429.7	439.3	450.2
12.5°	351.4	357.7	364.6	373.2	381.9	391.5	400.1	409.7	420.9	433.3	445.0
15°	330.6	336.6	344.2	351.6	361.5	372.1	383.5	396.2	408.6	422.6	437.1
17.5°	308.3	315.0	323.3	331.8	342.3	354.7	365.9	379.8	393.7	409.9	427.1
20°	293.9	300.7	310.5	319.8	329.5	341.5	354.9	369.1	383.9	401.0	420.1
22.5°	282.4	287.2	296.9	306.5	317.7	330.1	343.2	357.9	374.1	391.9	411.8
25°	265.5	271.1	278.1	288.0	299.7	312.7	325.9	341.5	359.2	377.3	398.6
27.5°	250.3	254.9	261.9	269.7	281.4	294.8	308.8	325.1	343.3	361.7	384.1
30°	239.6	244.8	251.3	259.6	268.8	283.6	297.8	313.9	332.3	351.3	374.3
32.5°	230.3	235.5	241.2	249.1	259.0	272.1	286.8	302.6	321.3	341.0	363.3
35°	217.2	220.8	226.1	233.8	243.6	254.1	269.2	285.8	304.0	324.4	346.8
37.5°	202.2	206.8	212.1	218.8	227.4	238.8	252.8	269.6	286.6	306.0	326.4
40°	193.5	197.8	203.7	208.6	217.6	228.0	240.8	258.3	275.2	293.5	312.2
42.5°	184.6	188.7	193.7	199.8	207.9	218.0	229.9	246.2	264.4	281.6	297.3
45°	170.6	175.0	179.7	185.4	192.9	202.7	214.6	229.4	245.2	261.1	273.0
47.5°	157.4	161.4	165.9	171.7	178.6	188.1	198.7	211.9	227.2	240.7	249.2
50°	147.9	151.6	156.5	162.2	169.0	177.8	188.0	201.0	213.9	226.1	233.8
52.5°	138.5	142.8	147.7	152.5	159.1	167.9	177.3	188.5	200.7	210.7	217.0
55°	124.5	128.5	133.0	138.1	144.5	152.1	162.0	170.9	180.5	189.0	192.7
57.5°	111.0	114.5	118.7	124.0	129.8	136.8	144.7	153.2	160.0	166.0	170.2
60°	102.1	105.1	109.1	113.6	119.8	126.2	133.4	141.3	146.6	151.6	155.6
62.5°	93.0	96.0	99.7	103.8	109.3	115.2	122.1	128.5	133.6	137.1	141.6
65°	79.5	82.3	85.5	89.8	94.2	99.1	105.3	110.0	113.6	117.4	120.2
67.5°	66.9	69.2	72.2	75.7	79.3	84.1	88.9	92.8	95.2	97.5	100.9
70°	58.6	60.5	62.9	65.6	69.5	74.2	78.0	81.0	82.7	85.0	89.1
72.5°	50.1	52.3	54.6	57.2	60.5	64.4	67.8	70.8	71.8	73.6	76.3
75°	39.5	40.7	42.6	44.4	46.7	50.1	53.3	54.1	55.0	56.5	58.4
77.5°	29.9	30.9	31.7	32.9	34.7	37.4	39.1	40.3	40.5	41.1	42.9
80°	23.7	24.3	25.0	26.0	26.7	29.0	29.9	31.1	31.5	32.0	32.9
82.5°	17.4	17.9	18.4	19.2	20.4	21.4	22.3	23.4	23.5	23.9	24.1
85°	10.2	10.4	9.9	10.4	10.5	10.9	11.9	12.8	12.6	12.5	13.0
87.5°	7.8	7.6	7.0	7.1	6.4	6.2	5.8	5.5	5.3	5.2	5.1
90°	21.0	19.6	17.7	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	21.0	19.6	17.9	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9
95°	21.0	19.6	30.0	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0
97.5°	52.7	60.4	80.9	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0
100°	172.9	213.5	212.5	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0
102.5°	264.8	272.5	271.8	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9
105°	365.7	365.7	365.7	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9
107.5°	463.0	462.9	462.4	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5
110°	526.9	527.7	527.2	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	589.5	590.6	590.3	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2
115°	683.7	684.9	684.6	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5
117.5°	774.9	776.4	775.3	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0
120°	832.8	833.3	832.5	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9
122.5°	888.8	889.3	888.9	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0
125°	970.9	972.0	972.0	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4
127.5°	1045.1	1045.7	1045.9	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2
130°	1094.0	1094.8	1094.5	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4
132.5°	1138.8	1139.0	1139.5	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5
135°	1205.9	1206.5	1207.0	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5
137.5°	1267.5	1267.3	1267.8	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1
140°	1305.2	1304.6	1304.9	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4
142.5°	1343.0	1343.0	1342.6	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7
145°	1395.7	1395.5	1395.5	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0
147.5°	1441.0	1440.6	1440.3	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7
150°	1469.7	1469.1	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1
152.5°	1495.2	1494.6	1494.1	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5
155°	1530.1	1529.3	1528.7	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1
157.5°	1559.1	1558.2	1558.1	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4
160°	1577.0	1575.9	1575.6	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0
162.5°	1593.1	1591.5	1591.3	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7
165°	1614.3	1612.7	1612.4	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9
167.5°	1630.1	1628.2	1627.9	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5
170°	1638.2	1636.0	1635.7	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4
172.5°	1644.9	1642.9	1642.4	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3
175°	1651.7	1649.5	1649.3	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6
177.5°	1655.2	1653.7	1653.4	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333656-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	461.1	462.5	464.5	466.8	468.6	470.5	471.6	471.6	472.5	474.4	477.0
5°	462.5	467.4	472.1	478.1	482.8	488.3	492.4	496.4	499.9	504.5	509.2
7.5°	462.1	470.3	478.7	488.2	498.7	507.0	515.6	522.3	528.9	537.6	544.4
10°	460.6	471.2	482.7	494.7	507.9	519.3	529.8	539.2	548.2	557.7	566.1
12.5°	457.9	471.3	485.3	499.9	516.5	529.6	543.0	553.0	563.6	573.9	584.3
15°	453.8	469.6	486.6	506.8	527.1	541.8	555.0	568.0	577.8	589.5	599.5
17.5°	445.4	465.8	487.1	509.2	528.7	545.8	559.6	572.0	582.4	595.3	608.9
20°	440.4	462.5	484.7	508.3	526.9	544.5	557.8	570.6	583.6	600.4	616.9
22.5°	433.5	457.1	480.6	503.0	522.7	539.6	553.4	569.1	586.2	605.2	625.3
25°	422.6	446.9	470.2	491.5	510.7	528.1	546.9	568.0	588.7	613.8	642.6
27.5°	408.6	432.1	452.9	475.4	494.5	516.6	540.1	563.0	592.8	627.3	663.2
30°	398.3	420.4	440.3	461.5	483.2	507.5	533.9	560.8	596.5	636.9	679.7
32.5°	386.2	406.3	425.9	446.5	471.5	498.1	526.2	559.1	601.7	647.8	692.0
35°	365.3	383.4	402.4	425.2	451.8	480.8	516.6	556.7	608.1	657.6	697.4
37.5°	343.3	357.7	376.7	400.8	429.7	463.3	503.9	552.7	605.4	650.0	666.8
40°	326.4	339.8	360.0	385.2	413.9	450.6	496.2	546.3	599.5	630.3	629.0
42.5°	309.7	323.3	342.7	368.1	397.9	439.0	486.0	538.0	582.9	594.6	570.1
45°	284.1	296.7	315.8	341.4	373.4	416.5	465.9	515.8	544.5	525.4	476.8
47.5°	258.0	270.2	287.9	312.9	347.9	393.1	439.8	480.7	484.7	443.8	385.6
50°	240.8	252.3	269.0	295.8	329.7	373.7	418.8	451.0	441.0	391.1	331.0
52.5°	224.0	235.1	250.8	276.1	310.7	353.8	394.0	419.4	396.2	343.2	289.1
55°	199.3	209.9	225.7	248.8	280.3	319.8	355.1	364.4	330.4	277.0	233.3
57.5°	175.9	183.6	199.2	219.7	250.1	284.9	310.1	308.5	271.1	222.9	191.5
60°	160.3	167.3	182.1	201.0	229.8	261.1	278.8	271.3	233.4	193.6	163.5
62.5°	145.9	152.4	164.9	182.1	206.9	234.2	247.0	236.6	200.9	165.9	141.9
65°	123.9	128.7	138.7	154.7	174.1	192.9	204.4	189.1	157.5	131.1	113.0
67.5°	103.5	107.5	116.4	127.9	141.3	154.3	159.0	144.7	120.1	102.3	89.5
70°	90.3	94.0	100.0	110.8	119.6	128.8	131.1	118.3	97.8	84.2	76.3
72.5°	77.6	81.0	86.3	93.9	100.0	105.3	106.4	94.5	78.8	69.5	63.3
75°	59.2	62.2	65.6	68.4	72.3	73.3	72.9	63.7	55.2	49.0	45.6
77.5°	43.5	44.8	46.8	47.9	48.1	48.0	46.1	40.3	35.9	33.3	32.0
80°	33.5	34.5	35.1	35.4	35.6	33.8	31.6	28.0	26.6	25.0	23.4
82.5°	24.4	24.9	25.5	25.6	24.6	23.0	21.1	19.3	18.3	17.5	16.9
85°	13.2	13.4	13.2	12.2	10.9	10.4	9.9	9.6	9.5	9.2	9.2
87.5°	5.4	5.3	5.1	5.6	6.0	6.3	6.6	6.8	7.1	7.3	7.7
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3
92.5°	17.4	15.8	14.3	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3
95°	69.1	68.3	67.5	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3
97.5°	147.5	149.0	150.5	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0
100°	205.8	206.6	207.4	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2
102.5°	265.9	266.9	268.0	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1
105°	361.9	363.1	364.1	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	460.5	460.5	460.5	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1
110°	525.3	525.3	525.3	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	586.9	587.5	588.2	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5
115°	678.8	680.2	681.6	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7
117.5°	771.9	771.8	771.8	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6
120°	830.6	830.4	830.1	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3
122.5°	883.9	885.0	886.1	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2
125°	965.3	967.3	969.1	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9
127.5°	1041.6	1043.0	1044.4	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5
130°	1088.8	1090.1	1091.5	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2
132.5°	1136.1	1137.7	1139.3	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6
135°	1203.1	1204.8	1206.5	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3
137.5°	1264.5	1266.0	1267.4	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5
140°	1304.0	1304.5	1305.0	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7
142.5°	1340.0	1340.4	1340.7	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1
145°	1393.5	1394.1	1394.7	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0
147.5°	1439.5	1439.4	1439.3	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3
150°	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1
152.5°	1496.4	1495.2	1494.0	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7
155°	1532.5	1530.9	1529.3	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9
157.5°	1561.4	1560.4	1559.4	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9
160°	1580.4	1578.7	1577.1	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0
162.5°	1596.1	1594.5	1592.8	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6
165°	1617.2	1615.5	1613.9	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9
167.5°	1632.9	1631.2	1629.5	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1
170°	1641.4	1639.6	1637.6	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4
172.5°	1647.4	1645.4	1643.6	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8
175°	1654.0	1652.4	1650.7	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8
177.5°	1657.3	1656.0	1654.6	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	479.0	479.0	481.5	481.4	483.1	482.4	482.7
5°	514.9	518.0	520.9	522.8	525.6	526.4	525.9
7.5°	552.1	559.2	562.6	567.4	568.3	570.8	570.5
10°	575.1	582.1	587.4	591.5	593.6	596.2	596.5
12.5°	593.2	599.2	603.8	607.6	610.2	611.0	611.5
15°	607.4	613.9	619.4	624.8	628.1	630.6	631.9
17.5°	621.6	631.8	641.4	648.8	653.3	657.0	657.0
20°	632.6	644.2	656.3	664.8	673.5	677.3	677.8
22.5°	644.3	662.2	677.8	690.9	702.3	706.2	707.7
25°	668.8	692.1	716.1	734.5	747.7	755.5	756.6
27.5°	698.3	729.9	755.0	772.1	783.0	788.8	790.0
30°	719.1	748.3	770.9	783.7	788.8	789.5	786.7
32.5°	728.4	750.2	759.3	758.6	748.5	741.9	739.4
35°	717.0	712.5	690.5	664.1	643.9	631.1	627.7
37.5°	652.5	613.5	573.0	533.1	511.9	501.1	482.6
40°	588.9	533.3	491.1	457.6	433.7	414.4	409.9
42.5°	517.1	459.7	417.6	388.9	369.7	356.6	350.8
45°	415.6	366.2	331.3	309.3	294.6	285.0	280.7
47.5°	332.4	294.2	268.8	252.5	241.2	232.9	230.6
50°	286.7	256.2	234.7	220.9	212.5	206.1	203.5
52.5°	249.1	224.4	207.9	196.6	188.6	184.6	182.4
55°	205.5	184.3	172.4	163.3	158.8	155.6	154.1
57.5°	168.1	152.7	144.1	137.8	133.6	131.6	130.9
60°	147.2	135.1	127.2	122.3	119.4	116.8	116.0
62.5°	128.6	119.1	113.0	108.7	105.9	104.8	104.3
65°	103.6	97.4	92.9	90.3	88.0	87.6	87.4
67.5°	82.3	78.7	76.3	73.6	72.8	71.5	71.2
70°	70.4	68.0	65.1	64.2	63.3	62.0	62.2
72.5°	59.8	57.3	55.4	54.1	53.8	53.2	53.7
75°	43.7	43.0	42.2	41.3	40.8	40.8	40.7
77.5°	31.2	30.6	29.8	29.2	29.0	28.3	28.5
80°	22.6	21.7	21.3	21.4	20.9	20.7	20.7
82.5°	16.7	16.4	16.0	16.1	15.9	15.7	15.9
85°	9.2	9.0	9.0	8.9	8.9	8.6	8.6
87.5°	8.1	8.5	8.4	8.4	8.6	8.9	9.2
90°	23.7	25.1	26.2	27.0	27.8	28.6	29.4
92.5°	23.7	25.1	25.9	26.3	26.7	27.1	27.5
95°	23.7	25.1	25.8	25.8	25.8	25.8	25.8
97.5°	37.3	29.6	25.8	25.8	25.8	25.8	25.8
100°	91.6	51.0	30.2	29.0	28.0	26.9	25.8
102.5°	249.4	241.7	228.6	210.0	191.5	172.9	154.4
105°	365.7	365.7	365.6	365.3	365.1	364.8	364.5
107.5°	463.1	463.2	462.8	461.9	461.1	460.3	459.5
110°	525.3	524.5	524.2	524.5	524.7	525.1	525.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	587.5	586.4	585.7	585.4	585.0	584.6	584.2
115°	681.6	680.4	679.1	677.5	675.8	674.2	672.5
117.5°	772.2	770.7	769.6	769.0	768.3	767.5	766.8
120°	831.7	831.2	830.2	828.8	827.4	826.1	824.8
122.5°	887.7	887.1	886.1	884.5	882.9	881.3	879.7
125°	968.7	967.7	966.7	965.9	965.1	964.3	963.4
127.5°	1043.9	1043.3	1042.0	1039.9	1038.0	1035.9	1033.9
130°	1092.3	1091.5	1090.4	1089.1	1087.7	1086.3	1084.9
132.5°	1138.5	1138.3	1137.5	1136.2	1134.8	1133.4	1132.0
135°	1204.8	1204.3	1203.1	1201.5	1199.9	1198.2	1196.6
137.5°	1267.6	1267.8	1267.1	1265.7	1264.3	1262.8	1261.4
140°	1306.3	1306.8	1306.3	1304.6	1303.0	1301.4	1299.8
142.5°	1343.3	1343.4	1342.6	1340.9	1339.3	1337.7	1336.0
145°	1396.3	1396.5	1395.9	1394.2	1392.6	1391.0	1389.4
147.5°	1441.6	1441.9	1441.1	1439.2	1437.2	1435.3	1433.3
150°	1470.7	1471.3	1470.5	1468.3	1466.1	1464.0	1461.8
152.5°	1496.2	1496.8	1496.1	1494.1	1492.2	1490.2	1488.2
155°	1531.7	1532.5	1531.8	1529.7	1527.5	1525.3	1523.1
157.5°	1560.8	1561.7	1561.1	1558.9	1556.7	1554.4	1552.3
160°	1579.2	1580.2	1579.7	1577.5	1575.3	1573.1	1571.0
162.5°	1596.2	1597.7	1597.3	1594.9	1592.4	1590.1	1587.6
165°	1617.6	1619.3	1618.9	1616.8	1614.6	1612.4	1610.2
167.5°	1634.0	1636.0	1635.7	1633.3	1630.8	1628.4	1626.0
170°	1642.6	1644.7	1644.6	1642.2	1639.7	1637.2	1634.8
172.5°	1648.8	1650.7	1650.5	1648.0	1645.6	1643.2	1640.7
175°	1656.0	1658.2	1658.1	1655.6	1653.2	1650.7	1648.3
177.5°	1658.2	1659.8	1659.7	1657.9	1656.2	1654.4	1652.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6

(END OF REPORT)