

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: P331568-935

Luminaire Tested: **S122DIW-S865D970U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331568-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S865D970U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6173.3 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

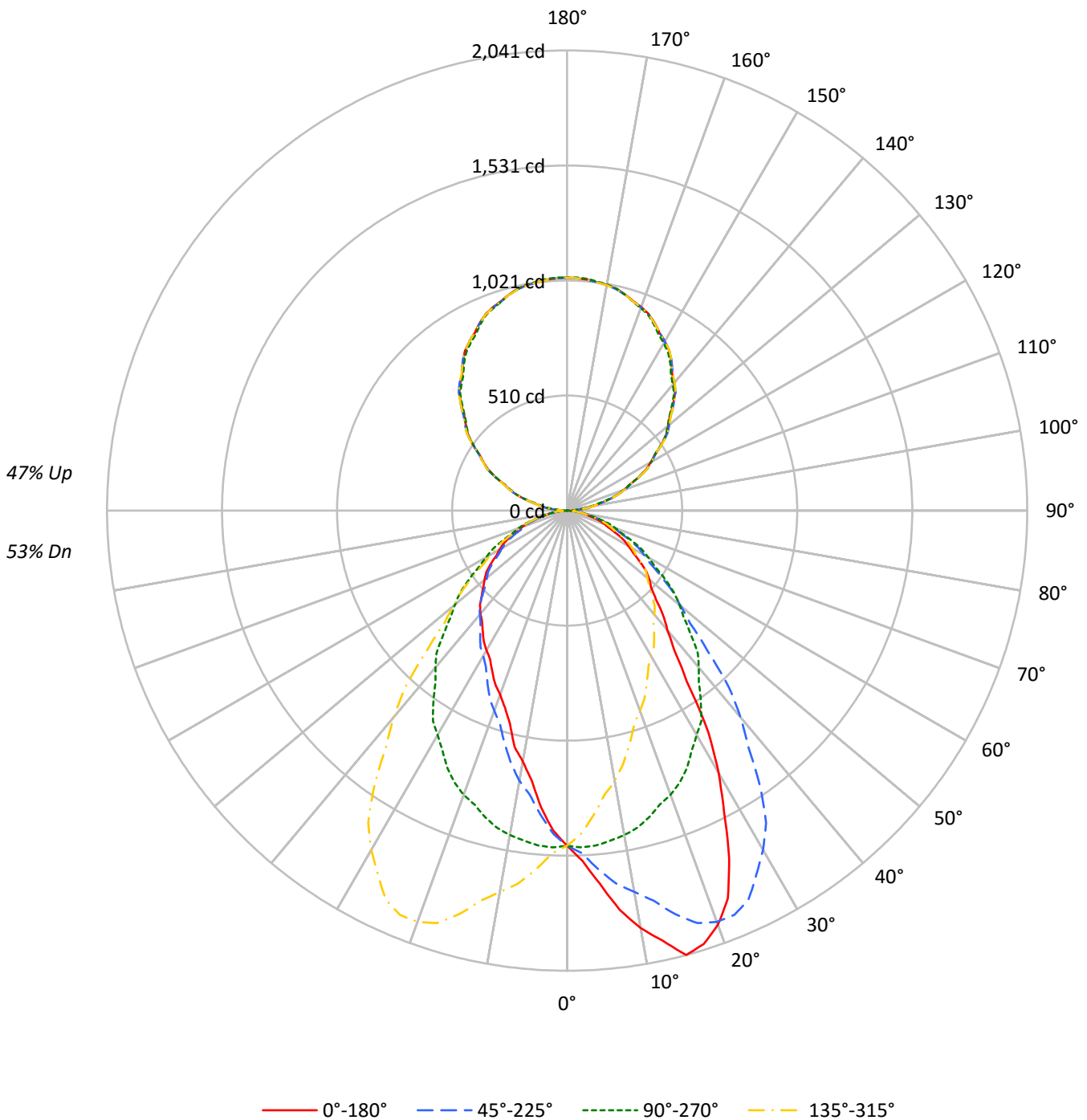
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	61	53	52	51	46
2	91	83	77	73	84	78	72	68	67	63	60	57	54	51	47	45	44	39
3	83	74	67	61	77	69	63	58	59	55	51	50	47	44	42	40	38	34
4	76	66	58	52	70	61	54	49	53	48	44	45	41	38	38	35	33	29
5	70	59	51	45	65	55	48	43	48	42	38	41	37	33	35	32	29	26
6	65	53	45	39	60	50	43	37	43	38	33	37	33	30	32	28	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	44	36	31	52	41	34	29	36	31	27	31	27	24	27	23	21	19
9	52	40	33	28	48	38	31	26	33	28	24	29	25	21	25	21	19	17
10	49	37	30	25	45	35	28	24	31	25	22	27	23	20	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24001	24001	24001	24001
5°	26909	24159	21409	24159
10°	30836	23961	18528	23961
15°	34111	23520	16368	23520
20°	33593	23048	14921	23048
25°	30289	22422	14004	22422
30°	25031	21420	13336	21420
35°	18242	20371	12861	20371
40°	14570	19134	12596	19134
45°	12732	17701	12237	17701
50°	11969	16317	11997	16317
55°	11032	14908	11674	14908
60°	10111	13411	11179	13411
65°	9211	12069	10693	12069
70°	8360	10763	9980	10763
75°	7411	9301	8840	9301
80°	6369	7699	7113	7699
85°	5706	5706	4224	5706



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	2.3
10°-20°	411.6	6.7
20°-30°	597.3	9.7
30°-40°	630.3	10.2
40°-50°	558.1	9.0
50°-60°	445.4	7.2
60°-70°	302.7	4.9
70°-80°	155.2	2.5
80°-90°	41.5	0.7
90°-100°	65.5	1.1
100°-110°	203.4	3.3
110°-120°	347.6	5.6
120°-130°	457.2	7.4
130°-140°	513.1	8.3
140°-150°	503.1	8.1
150°-160°	422.0	6.8
160°-170°	279.9	4.5
170°-180°	97.8	1.6
0°-30°	1150.5	18.6
0°-40°	1780.8	28.8
0°-60°	2784.3	45.1
0°-90°	3283.7	53.2
90°-120°	616.5	10.0
90°-150°	2089.9	33.9
90°-180°	2890.0	46.8
0°-180°	6173.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1486	1486	1486	1486	1486	
5°	1660	1491	1321	1491	1660	166
15°	2041	1407	979	1407	2041	563
25°	1700	1259	786	1259	1700	768
35°	926	1034	652	1034	926	602
45°	558	775	536	775	558	438
55°	392	530	415	530	392	351
65°	241	316	280	316	241	240
75°	119	149	142	149	119	127
85°	31	31	23	31	31	35
90°	30	1	30	1	30	14
95°	54	45	54	45	54	60
105°	194	188	194	188	194	204
115°	349	349	349	349	349	344
125°	509	508	509	508	509	454
135°	664	657	664	657	664	511
145°	806	797	806	797	806	503
155°	918	911	918	911	918	423
165°	992	992	992	992	992	280
175°	1028	1032	1028	1032	1028	98
180°	1033	1033	1033	1033	1033	



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1555.1	1555.6	1556.5	1549.2	1548.3	1548.3	1541.9	1536.4	1530.0	1521.3	1522.2
5°	1660.3	1666.6	1668.8	1662.0	1651.7	1650.5	1640.8	1624.8	1610.0	1597.9	1589.4
7.5°	1785.7	1788.2	1782.6	1773.6	1765.9	1752.2	1734.1	1716.5	1691.7	1669.0	1652.0
10°	1880.8	1884.2	1874.5	1861.3	1850.5	1834.4	1808.2	1781.3	1748.8	1717.4	1692.2
12.5°	1953.0	1961.4	1949.0	1947.2	1928.6	1906.7	1875.4	1861.8	1816.0	1772.2	1745.2
15°	2040.7	2040.1	2041.3	2030.4	2016.7	2013.3	1980.2	1944.2	1879.6	1853.9	1809.4
17.5°	2015.3	2024.0	2028.1	2027.9	2027.6	2025.4	2014.8	1992.1	1959.7	1918.0	1866.6
20°	1955.1	1966.4	1968.2	1981.3	1988.7	1998.5	2002.4	1996.1	1976.2	1941.3	1896.8
22.5°	1861.8	1865.0	1870.4	1890.8	1906.9	1931.3	1944.0	1965.1	1957.4	1940.4	1903.2
25°	1700.2	1694.5	1714.5	1724.8	1762.0	1800.8	1828.8	1859.6	1887.1	1903.6	1892.7
27.5°	1506.2	1497.6	1527.6	1554.9	1585.0	1627.1	1670.8	1722.3	1765.1	1818.7	1837.1
30°	1342.6	1347.7	1376.3	1405.4	1451.1	1510.5	1559.7	1616.3	1677.4	1737.3	1779.1
32.5°	1166.1	1185.9	1204.0	1248.6	1288.9	1355.1	1427.1	1497.9	1574.1	1642.3	1706.8
35°	925.5	948.4	973.5	1006.1	1062.6	1128.3	1198.6	1294.0	1398.0	1491.2	1567.7
37.5°	779.0	775.4	789.8	813.3	859.1	912.1	993.1	1087.4	1209.7	1319.1	1427.1
40°	691.3	689.0	699.3	721.0	755.9	794.7	865.6	948.4	1062.0	1195.8	1324.3
42.5°	630.9	632.3	638.0	653.3	677.3	709.2	762.2	832.8	936.9	1062.7	1200.9
45°	557.6	561.6	567.9	575.3	589.0	615.3	645.0	695.3	777.6	882.7	1018.6
47.5°	504.8	504.9	511.3	517.8	526.0	540.8	565.0	596.6	654.6	740.2	857.1
50°	476.5	472.5	477.1	482.2	490.8	501.0	517.0	546.7	585.6	654.7	752.4
52.5°	441.8	441.9	446.0	447.9	455.6	465.9	480.4	501.0	536.2	590.3	670.6
55°	391.9	394.8	397.1	400.5	407.3	414.7	426.2	439.9	467.4	507.9	567.3
57.5°	345.1	345.9	348.3	354.8	359.1	366.0	376.9	389.3	407.1	437.1	481.8
60°	313.1	313.1	317.6	320.5	326.2	333.0	341.6	353.6	369.6	394.2	430.2
62.5°	283.9	283.4	285.2	289.9	294.2	300.7	309.2	319.3	334.4	356.3	385.9
65°	241.1	240.0	243.4	244.5	249.1	255.4	262.3	273.1	285.1	301.1	327.4
67.5°	199.9	201.3	203.2	205.3	207.8	214.5	219.0	226.7	236.9	250.1	267.9
70°	177.1	177.1	177.1	178.8	182.3	185.7	190.3	196.6	206.2	217.7	233.7
72.5°	151.5	153.3	155.2	154.1	158.5	160.6	166.0	169.5	178.8	186.1	200.3
75°	118.8	118.8	118.8	121.7	123.4	125.1	128.5	132.0	136.6	145.7	153.1
77.5°	88.7	88.4	89.0	89.7	91.5	93.6	94.6	97.7	101.9	106.2	112.4
80°	68.5	69.7	70.3	71.4	71.4	72.6	73.1	77.1	80.0	82.8	86.9
82.5°	53.0	53.2	53.4	53.6	54.1	54.8	56.2	57.5	58.5	60.9	64.0
85°	30.8	30.3	30.3	31.4	30.8	30.8	32.0	33.1	33.1	33.7	35.4
87.5°	17.8	17.7	18.2	17.7	17.7	18.2	18.3	17.8	18.3	18.9	18.5
90°	29.6	29.4	29.3	29.1	28.8	28.9	29.4	29.7	30.1	30.5	26.3
92.5°	28.2	28.2	28.2	28.2	28.1	28.1	28.0	27.9	27.8	27.7	26.7
95°	54.1	54.4	54.8	55.2	55.6	55.8	55.8	55.8	55.8	55.8	55.4
97.5°	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.1
100°	119.5	119.7	119.9	120.0	120.3	120.4	120.4	120.4	120.4	120.4	119.8
102.5°	148.8	149.0	149.1	149.4	149.6	149.6	149.4	149.3	149.1	149.0	148.2
105°	193.6	193.6	193.6	193.6	193.6	193.4	193.0	192.6	192.3	191.8	191.5
107.5°	235.8	236.7	237.5	238.5	239.4	239.7	239.6	239.4	239.3	239.1	239.1
110°	268.6	269.1	269.8	270.4	271.0	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	300.0	300.4	300.8	301.3	301.7	302.1	302.6	303.1	303.5	304.0	304.2
115°	348.8	349.4	350.0	350.6	351.1	351.5	351.7	351.9	352.1	352.3	352.7
117.5°	395.4	396.0	396.6	397.2	397.7	398.2	398.7	399.2	399.7	400.1	401.2
120°	428.2	428.8	429.4	429.9	430.5	430.8	430.8	430.8	430.8	430.8	432.4
122.5°	460.3	460.7	461.2	461.6	462.0	462.4	462.9	463.4	463.8	464.3	465.4
125°	509.3	509.5	509.7	509.9	510.1	510.5	511.0	511.6	512.2	512.8	513.3
127.5°	554.0	554.6	555.2	555.8	556.4	557.1	557.8	558.4	559.1	559.9	560.6
130°	586.0	586.8	587.5	588.3	589.1	589.7	590.1	590.5	590.9	591.2	591.7
132.5°	616.7	617.3	617.9	618.6	619.2	619.9	620.8	621.6	622.5	623.4	623.3
135°	664.5	665.1	665.6	666.2	666.8	667.2	667.4	667.6	667.8	668.0	667.6
137.5°	707.7	708.5	709.3	710.1	710.8	711.4	711.5	711.6	711.8	712.0	711.4
140°	737.8	738.6	739.3	740.1	740.9	741.2	741.2	741.2	741.2	741.2	740.3
142.5°	765.0	765.8	766.5	767.3	768.1	768.4	768.3	768.1	767.9	767.8	767.2
145°	805.8	806.6	807.4	808.1	808.9	809.2	809.0	808.8	808.6	808.4	807.3
147.5°	842.2	843.0	843.7	844.5	845.2	845.3	844.9	844.5	844.0	843.6	842.8
150°	866.0	866.5	867.1	867.7	868.3	868.3	867.7	867.1	866.5	866.0	865.2
152.5°	888.3	889.0	889.8	890.5	891.2	891.2	890.5	889.8	889.0	888.3	887.3
155°	918.3	918.9	919.5	920.1	920.6	920.4	919.5	918.5	917.5	916.5	915.9
157.5°	944.1	945.0	946.0	946.9	947.8	947.6	946.3	945.0	943.7	942.4	942.0
160°	960.2	961.0	961.7	962.5	963.3	963.0	961.9	960.7	959.6	958.4	958.2
162.5°	974.1	975.0	975.9	976.9	977.8	977.7	976.3	975.0	973.7	972.3	972.2
165°	992.4	993.4	994.4	995.3	996.3	996.1	994.7	993.4	992.0	990.7	990.7
167.5°	1007.5	1008.4	1009.4	1010.5	1011.4	1011.2	1010.0	1008.6	1007.2	1005.8	1005.9
170°	1015.1	1016.2	1017.4	1018.6	1019.8	1019.7	1018.3	1016.9	1015.5	1014.3	1014.4
172.5°	1021.4	1022.5	1023.7	1024.8	1026.1	1025.9	1024.6	1023.2	1021.8	1020.5	1020.7
175°	1028.2	1029.3	1030.5	1031.7	1032.9	1032.7	1031.4	1030.0	1028.6	1027.3	1027.7
177.5°	1031.3	1032.3	1033.2	1034.1	1035.0	1035.0	1034.1	1033.2	1032.3	1031.3	1031.7
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1525.4	1521.7	1519.5	1511.2	1503.9	1496.6	1494.4	1495.2	1485.2	1475.6	1471.4
5°	1584.8	1573.4	1562.5	1547.1	1528.9	1508.8	1498.6	1490.6	1470.6	1448.9	1436.3
7.5°	1638.1	1621.7	1600.9	1571.8	1545.2	1513.7	1493.7	1476.0	1446.8	1416.2	1397.4
10°	1670.5	1648.2	1621.3	1586.0	1553.4	1515.1	1488.2	1461.5	1427.1	1390.6	1367.7
12.5°	1698.4	1668.4	1641.9	1596.5	1558.0	1510.1	1478.3	1440.4	1404.3	1360.9	1338.5
15°	1764.8	1709.3	1659.1	1607.7	1560.2	1493.4	1458.0	1407.1	1359.7	1306.1	1280.3
17.5°	1816.1	1753.9	1674.6	1609.3	1553.9	1480.0	1428.0	1367.0	1311.0	1249.6	1214.6
20°	1845.4	1773.9	1688.8	1611.1	1544.8	1460.3	1403.7	1341.4	1275.7	1206.6	1168.9
22.5°	1862.7	1787.6	1703.4	1604.2	1526.6	1444.2	1373.1	1304.8	1238.3	1163.6	1124.1
25°	1868.2	1799.7	1710.5	1598.5	1503.7	1410.6	1324.9	1258.6	1178.0	1108.4	1050.7
27.5°	1841.0	1791.8	1706.2	1587.8	1477.3	1368.4	1272.9	1197.8	1112.8	1037.2	979.1
30°	1807.7	1779.1	1695.7	1576.8	1456.3	1339.2	1234.1	1148.9	1064.4	987.8	928.4
32.5°	1756.0	1749.8	1676.5	1561.3	1433.9	1302.2	1193.3	1107.3	1013.7	938.4	881.8
35°	1654.5	1682.0	1635.6	1526.6	1391.7	1249.5	1131.8	1033.5	936.4	864.4	811.2
37.5°	1518.5	1586.7	1574.5	1475.7	1334.8	1192.1	1062.2	959.5	866.9	794.3	742.1
40°	1424.9	1511.7	1524.2	1436.8	1294.6	1147.8	1010.1	907.8	817.5	751.3	698.7
42.5°	1324.3	1425.7	1460.3	1390.3	1250.7	1101.1	963.5	857.6	768.2	703.8	657.1
45°	1155.8	1290.0	1352.3	1312.3	1177.5	1024.3	882.7	775.2	694.1	633.6	597.6
47.5°	998.2	1144.9	1228.6	1214.5	1096.0	944.3	804.3	701.2	622.2	573.9	541.7
50°	886.7	1037.5	1138.6	1143.2	1037.5	887.3	746.7	649.6	577.0	531.9	505.6
52.5°	789.8	933.8	1044.0	1068.2	972.2	827.9	695.1	598.4	534.5	493.0	469.5
55°	663.3	785.0	907.2	951.8	874.7	737.5	614.8	529.6	469.6	441.1	420.5
57.5°	551.5	652.9	765.8	815.0	767.5	650.1	534.9	461.1	412.3	387.4	371.6
60°	492.5	572.5	673.0	731.8	690.7	586.2	485.6	415.3	375.4	353.1	338.2
62.5°	437.6	508.5	593.5	647.3	624.9	526.3	436.3	374.2	339.7	318.8	308.1
65°	361.1	417.1	482.8	532.4	517.6	442.7	369.1	315.9	288.5	271.9	263.4
67.5°	297.3	337.8	383.3	426.9	414.9	361.9	302.6	261.3	240.9	226.6	221.4
70°	257.1	287.9	328.5	363.3	353.6	310.2	263.4	228.0	210.3	198.3	193.1
72.5°	218.7	244.1	275.0	303.5	297.0	260.9	221.8	195.0	181.4	170.4	166.2
75°	165.1	184.5	203.4	222.2	220.5	192.5	169.7	149.1	138.3	129.7	127.9
77.5°	121.9	132.8	145.6	156.8	153.7	137.7	119.8	108.0	100.0	94.3	93.3
80°	93.2	99.4	108.6	116.6	112.5	105.7	91.4	82.8	77.1	71.4	69.1
82.5°	67.5	73.8	79.3	83.6	80.6	74.1	65.3	59.5	56.1	52.2	51.3
85°	35.4	38.8	41.2	42.3	41.2	37.1	33.1	30.8	28.0	26.3	25.7
87.5°	18.1	17.2	16.4	16.7	14.8	14.4	12.1	10.2	10.2	10.2	9.8
90°	22.0	17.7	13.4	10.2	7.8	5.5	3.2	0.9	3.2	5.5	7.8
92.5°	25.7	24.7	23.7	22.4	20.7	18.9	17.2	15.5	17.2	18.9	20.7
95°	55.0	54.7	54.2	53.1	51.1	49.2	47.3	45.4	47.3	49.2	51.1
97.5°	92.4	91.6	90.9	89.6	88.0	86.3	84.6	82.8	84.6	86.3	88.0
100°	119.2	118.6	118.0	116.9	115.4	113.8	112.3	110.7	112.3	113.8	115.4
102.5°	147.5	146.7	146.0	145.0	143.8	142.5	141.3	140.1	141.3	142.5	143.8
105°	191.1	190.7	190.3	189.9	189.2	188.6	188.0	187.5	188.0	188.6	189.2
107.5°	239.1	239.1	239.1	238.7	237.8	236.9	236.2	235.3	236.2	236.9	237.8
110°	271.2	271.2	271.2	270.6	269.5	268.3	267.2	266.0	267.2	268.3	269.5



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	304.3	304.4	304.6	304.1	303.0	301.8	300.7	299.5	300.7	301.8	303.0
115°	353.1	353.4	353.9	353.4	352.3	351.1	350.0	348.8	350.0	351.1	352.3
117.5°	402.3	403.4	404.4	404.2	402.7	401.1	399.6	398.0	399.6	401.1	402.7
120°	433.9	435.5	437.0	437.0	435.5	433.9	432.4	430.8	432.4	433.9	435.5
122.5°	466.5	467.5	468.6	468.2	466.4	464.5	462.7	460.8	462.7	464.5	466.4
125°	513.9	514.5	515.1	514.5	512.8	511.0	509.3	507.6	509.3	511.0	512.8
127.5°	561.3	562.0	562.7	561.9	559.7	557.5	555.3	553.1	555.3	557.5	559.7
130°	592.0	592.5	592.8	591.8	589.3	586.7	584.2	581.7	584.2	586.7	589.3
132.5°	623.2	623.1	623.0	622.0	619.9	617.9	615.8	613.7	615.8	617.9	619.9
135°	667.2	666.8	666.4	665.2	663.1	660.9	658.8	656.7	658.8	660.9	663.1
137.5°	710.9	710.4	710.0	708.8	707.1	705.3	703.6	701.8	703.6	705.3	707.1
140°	739.3	738.4	737.4	736.0	734.3	732.5	730.8	729.0	730.8	732.5	734.3
142.5°	766.5	765.8	765.2	764.0	762.2	760.4	758.7	757.0	758.7	760.4	762.2
145°	806.1	804.9	803.7	802.5	801.2	799.8	798.4	797.0	798.4	799.8	801.2
147.5°	842.1	841.3	840.5	839.3	837.7	836.1	834.5	832.8	834.5	836.1	837.7
150°	864.4	863.7	862.9	861.9	860.7	859.5	858.4	857.2	858.4	859.5	860.7
152.5°	886.4	885.5	884.6	883.6	882.4	881.2	880.0	878.9	880.0	881.2	882.4
155°	915.4	914.8	914.2	913.6	913.1	912.5	911.9	911.3	911.9	912.5	913.1
157.5°	941.7	941.3	941.0	940.6	940.2	939.8	939.4	939.0	939.4	939.8	940.2
160°	958.0	957.9	957.6	957.3	956.9	956.6	956.1	955.8	956.1	956.6	956.9
162.5°	972.0	971.8	971.6	971.5	971.4	971.3	971.2	971.1	971.2	971.3	971.4
165°	990.7	990.7	990.7	990.8	990.9	991.2	991.4	991.5	991.4	991.2	990.9
167.5°	1005.9	1006.0	1006.0	1006.3	1006.9	1007.5	1008.1	1008.7	1008.1	1007.5	1006.9
170°	1014.6	1014.8	1015.0	1015.4	1016.0	1016.6	1017.1	1017.7	1017.1	1016.6	1016.0
172.5°	1020.9	1021.1	1021.2	1021.7	1022.3	1022.8	1023.4	1024.0	1023.4	1022.8	1022.3
175°	1028.0	1028.5	1028.8	1029.3	1029.9	1030.5	1031.0	1031.7	1031.0	1030.5	1029.9
177.5°	1031.9	1032.3	1032.5	1032.9	1033.4	1033.9	1034.3	1034.8	1034.3	1033.9	1033.4
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1466.9	1464.1	1454.6	1449.6	1441.3	1433.6	1428.5	1430.8	1432.6	1431.7	1430.4
5°	1424.9	1414.0	1397.4	1383.1	1372.9	1354.0	1346.0	1342.0	1338.6	1334.6	1330.6
7.5°	1374.8	1357.7	1333.9	1313.5	1294.3	1270.9	1257.6	1249.6	1241.4	1232.3	1224.3
10°	1339.2	1315.2	1290.0	1261.5	1238.6	1217.5	1198.6	1186.0	1174.7	1163.7	1155.8
12.5°	1301.7	1274.0	1242.9	1203.9	1178.7	1148.5	1145.6	1123.4	1105.6	1098.9	1089.5
15°	1242.1	1203.2	1163.7	1117.5	1097.5	1070.1	1052.9	1035.8	1020.4	1009.5	1006.7
17.5°	1174.3	1124.0	1084.8	1051.5	1018.7	990.7	974.9	961.2	948.5	934.0	932.0
20°	1122.7	1079.2	1036.4	1007.2	973.5	944.9	925.5	911.8	901.0	892.4	884.9
22.5°	1073.8	1026.2	987.0	955.1	921.9	898.8	883.5	870.2	861.2	851.7	844.7
25°	995.2	958.1	915.2	879.3	851.8	837.0	824.4	813.0	807.3	801.0	793.0
27.5°	926.5	885.3	845.2	817.3	793.2	780.1	771.2	763.4	758.0	754.3	749.8
30°	878.1	836.4	804.9	777.6	757.6	744.4	738.7	734.2	727.9	725.6	723.3
32.5°	831.5	793.9	767.1	743.3	724.2	715.7	710.4	706.3	701.4	699.0	694.5
35°	765.6	734.2	707.8	694.7	679.3	671.8	667.9	662.2	657.5	655.3	654.7
37.5°	703.5	676.2	658.9	642.0	635.5	630.9	625.5	621.6	620.2	619.8	619.3
40°	663.3	641.0	625.6	611.9	609.0	602.2	597.6	594.2	594.2	594.8	594.2
42.5°	626.7	606.7	593.1	581.3	577.9	573.9	569.3	569.0	570.0	571.9	570.0
45°	571.3	557.1	547.3	541.6	535.3	531.3	530.7	532.4	533.0	533.6	535.3
47.5°	520.4	510.8	502.0	495.8	493.0	492.3	491.6	494.6	497.4	498.4	501.0
50°	490.2	479.3	471.9	467.9	465.6	464.5	465.6	469.1	471.3	474.2	475.9
52.5°	456.3	448.7	443.6	440.5	439.5	440.2	440.5	444.4	448.1	449.0	449.9
55°	409.7	403.9	402.8	397.6	399.9	399.3	402.2	404.5	407.9	411.4	411.9
57.5°	363.0	358.4	355.3	355.9	356.5	359.0	361.4	365.4	369.1	372.7	373.1
60°	331.9	329.7	328.0	328.0	329.1	332.5	335.4	339.3	341.6	344.0	345.6
62.5°	303.6	301.4	299.6	300.5	303.5	305.6	308.8	311.0	313.3	315.6	316.4
65°	258.8	257.7	259.4	260.5	261.1	264.0	267.9	269.7	271.9	273.1	277.1
67.5°	217.6	217.7	217.6	219.1	222.5	223.2	227.0	230.9	231.4	233.6	236.2
70°	189.7	190.8	192.0	193.1	196.0	197.1	199.9	201.6	204.0	205.7	207.4
72.5°	164.1	164.3	165.5	165.2	167.6	170.1	172.5	174.3	176.5	178.7	180.4
75°	126.2	126.2	127.4	127.9	130.9	133.7	133.1	134.2	136.6	138.8	140.0
77.5°	92.2	90.9	92.2	92.8	93.7	96.1	96.5	98.2	100.7	100.0	101.3
80°	70.3	68.5	70.3	70.9	70.9	73.7	73.7	74.8	76.5	74.8	76.5
82.5°	50.2	49.3	50.6	50.7	51.7	51.7	52.7	52.9	54.6	53.8	54.6
85°	25.1	24.5	25.1	24.5	25.1	25.7	25.7	25.1	25.1	26.3	24.5
87.5°	9.8	10.0	10.4	11.3	11.6	12.1	11.5	11.5	11.4	10.3	10.3
90°	10.2	13.4	17.7	22.0	26.3	30.5	30.1	29.7	29.4	28.9	28.8
92.5°	22.4	23.7	24.7	25.7	26.7	27.7	27.8	27.9	28.0	28.1	28.1
95°	53.1	54.2	54.7	55.0	55.4	55.8	55.8	55.8	55.8	55.8	55.6
97.5°	89.6	90.9	91.6	92.4	93.1	93.8	93.8	93.8	93.8	93.8	93.8
100°	116.9	118.0	118.6	119.2	119.8	120.4	120.4	120.4	120.4	120.4	120.3
102.5°	145.0	146.0	146.7	147.5	148.2	149.0	149.1	149.3	149.4	149.6	149.6
105°	189.9	190.3	190.7	191.1	191.5	191.8	192.3	192.6	193.0	193.4	193.6
107.5°	238.7	239.1	239.1	239.1	239.1	239.1	239.3	239.4	239.6	239.7	239.4
110°	270.6	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.0



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	304.1	304.6	304.4	304.3	304.2	304.0	303.5	303.1	302.6	302.1	301.7
115°	353.4	353.9	353.4	353.1	352.7	352.3	352.1	351.9	351.7	351.5	351.1
117.5°	404.2	404.4	403.4	402.3	401.2	400.1	399.7	399.2	398.7	398.2	397.7
120°	437.0	437.0	435.5	433.9	432.4	430.8	430.8	430.8	430.8	430.8	430.5
122.5°	468.2	468.6	467.5	466.5	465.4	464.3	463.8	463.4	462.9	462.4	462.0
125°	514.5	515.1	514.5	513.9	513.3	512.8	512.2	511.6	511.0	510.5	510.1
127.5°	561.9	562.7	562.0	561.3	560.6	559.9	559.1	558.4	557.8	557.1	556.4
130°	591.8	592.8	592.5	592.0	591.7	591.2	590.9	590.5	590.1	589.7	589.1
132.5°	622.0	623.0	623.1	623.2	623.3	623.4	622.5	621.6	620.8	619.9	619.2
135°	665.2	666.4	666.8	667.2	667.6	668.0	667.8	667.6	667.4	667.2	666.8
137.5°	708.8	710.0	710.4	710.9	711.4	712.0	711.8	711.6	711.5	711.4	710.8
140°	736.0	737.4	738.4	739.3	740.3	741.2	741.2	741.2	741.2	741.2	740.9
142.5°	764.0	765.2	765.8	766.5	767.2	767.8	767.9	768.1	768.3	768.4	768.1
145°	802.5	803.7	804.9	806.1	807.3	808.4	808.6	808.8	809.0	809.2	808.9
147.5°	839.3	840.5	841.3	842.1	842.8	843.6	844.0	844.5	844.9	845.3	845.2
150°	861.9	862.9	863.7	864.4	865.2	866.0	866.5	867.1	867.7	868.3	868.3
152.5°	883.6	884.6	885.5	886.4	887.3	888.3	889.0	889.8	890.5	891.2	891.2
155°	913.6	914.2	914.8	915.4	915.9	916.5	917.5	918.5	919.5	920.4	920.6
157.5°	940.6	941.0	941.3	941.7	942.0	942.4	943.7	945.0	946.3	947.6	947.8
160°	957.3	957.6	957.9	958.0	958.2	958.4	959.6	960.7	961.9	963.0	963.3
162.5°	971.5	971.6	971.8	972.0	972.2	972.3	973.7	975.0	976.3	977.7	977.8
165°	990.8	990.7	990.7	990.7	990.7	990.7	992.0	993.4	994.7	996.1	996.3
167.5°	1006.3	1006.0	1006.0	1005.9	1005.9	1005.8	1007.2	1008.6	1010.0	1011.2	1011.4
170°	1015.4	1015.0	1014.8	1014.6	1014.4	1014.3	1015.5	1016.9	1018.3	1019.7	1019.8
172.5°	1021.7	1021.2	1021.1	1020.9	1020.7	1020.5	1021.8	1023.2	1024.6	1025.9	1026.1
175°	1029.3	1028.8	1028.5	1028.0	1027.7	1027.3	1028.6	1030.0	1031.4	1032.7	1032.9
177.5°	1032.9	1032.5	1032.3	1031.9	1031.7	1031.3	1032.3	1033.2	1034.1	1035.0	1035.0
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1425.7	1424.9	1424.9	1420.7	1424.9	1424.9	1425.7	1430.4	1431.7	1432.6	1430.8
5°	1322.6	1320.9	1318.0	1320.9	1318.0	1320.9	1322.6	1330.6	1334.6	1338.6	1342.0
7.5°	1220.6	1213.7	1212.6	1205.9	1212.6	1213.7	1220.6	1224.3	1232.3	1241.4	1249.6
10°	1146.1	1141.5	1140.9	1130.1	1140.9	1141.5	1146.1	1155.8	1163.7	1174.7	1186.0
12.5°	1089.4	1078.4	1080.6	1074.3	1080.6	1078.4	1089.4	1089.5	1098.9	1105.6	1123.4
15°	991.3	991.3	988.9	979.2	988.9	991.3	991.3	1006.7	1009.5	1020.4	1035.8
17.5°	920.8	919.5	914.1	916.9	914.1	919.5	920.8	932.0	934.0	948.5	961.2
20°	878.7	875.3	868.4	868.4	868.4	875.3	878.7	884.9	892.4	901.0	911.8
22.5°	839.0	838.7	831.4	833.6	831.4	838.7	839.0	844.7	851.7	861.2	870.2
25°	792.4	787.8	784.5	786.1	784.5	787.8	792.4	793.0	801.0	807.3	813.0
27.5°	748.3	745.8	745.5	740.9	745.5	745.8	748.3	749.8	754.3	758.0	763.4
30°	722.7	717.0	718.2	715.3	718.2	717.0	722.7	723.3	725.6	727.9	734.2
32.5°	693.4	691.4	690.3	687.9	690.3	691.4	693.4	694.5	699.0	701.4	706.3
35°	653.6	654.2	651.3	652.5	651.3	654.2	653.6	654.7	655.3	657.5	662.2
37.5°	618.7	620.5	619.2	619.6	619.2	620.5	618.7	619.3	619.8	620.2	621.6
40°	595.9	595.9	595.9	597.6	595.9	595.9	595.9	594.2	594.8	594.2	594.2
42.5°	573.9	573.0	572.1	572.0	572.1	573.0	573.9	570.0	571.9	570.0	569.0
45°	536.5	538.2	538.7	535.9	538.7	538.2	536.5	535.3	533.6	533.0	532.4
47.5°	502.6	502.7	502.6	505.1	502.6	502.7	502.6	501.0	498.4	497.4	494.6
50°	478.8	477.6	478.8	477.6	478.8	477.6	478.8	475.9	474.2	471.3	469.1
52.5°	453.7	453.8	453.1	453.0	453.1	453.8	453.7	449.9	449.0	448.1	444.4
55°	414.2	415.3	414.7	414.7	414.7	415.3	414.2	411.9	411.4	407.9	404.5
57.5°	373.4	374.4	375.2	372.7	375.2	374.4	373.4	373.1	372.7	369.1	365.4
60°	345.1	347.9	347.3	346.2	347.3	347.9	345.1	345.6	344.0	341.6	339.3
62.5°	319.0	320.0	319.9	319.7	319.9	320.0	319.0	316.4	315.6	313.3	311.0
65°	278.8	279.9	278.2	279.9	278.2	279.9	278.8	277.1	273.1	271.9	269.7
67.5°	235.5	235.8	237.1	237.9	237.1	235.8	235.5	236.2	233.6	231.4	230.9
70°	208.5	207.9	209.7	211.4	209.7	207.9	208.5	207.4	205.7	204.0	201.6
72.5°	180.2	181.4	180.9	182.1	180.9	181.4	180.2	180.4	178.7	176.5	174.3
75°	138.8	140.5	140.0	141.7	140.0	140.5	138.8	140.0	138.8	136.6	134.2
77.5°	100.3	100.6	100.3	101.3	100.3	100.6	100.3	101.3	100.0	100.7	98.2
80°	76.5	75.4	74.3	76.5	74.3	75.4	76.5	76.5	74.8	76.5	74.8
82.5°	53.2	53.9	52.8	52.8	52.8	53.9	53.2	54.6	53.8	54.6	52.9
85°	24.5	24.0	22.8	22.8	22.8	24.0	24.5	24.5	26.3	25.1	25.1
87.5°	10.4	10.0	10.0	9.6	10.0	10.0	10.4	10.3	10.3	11.4	11.5
90°	29.1	29.3	29.4	29.6	29.4	29.3	29.1	28.8	28.9	29.4	29.7
92.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.1	28.1	28.0	27.9
95°	55.2	54.8	54.4	54.1	54.4	54.8	55.2	55.6	55.8	55.8	55.8
97.5°	93.8	93.8	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
100°	120.0	119.9	119.7	119.5	119.7	119.9	120.0	120.3	120.4	120.4	120.4
102.5°	149.4	149.1	149.0	148.8	149.0	149.1	149.4	149.6	149.6	149.4	149.3
105°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.4	193.0	192.6
107.5°	238.5	237.5	236.7	235.8	236.7	237.5	238.5	239.4	239.7	239.6	239.4
110°	270.4	269.8	269.1	268.6	269.1	269.8	270.4	271.0	271.2	271.2	271.2



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	301.3	300.8	300.4	300.0	300.4	300.8	301.3	301.7	302.1	302.6	303.1
115°	350.6	350.0	349.4	348.8	349.4	350.0	350.6	351.1	351.5	351.7	351.9
117.5°	397.2	396.6	396.0	395.4	396.0	396.6	397.2	397.7	398.2	398.7	399.2
120°	429.9	429.4	428.8	428.2	428.8	429.4	429.9	430.5	430.8	430.8	430.8
122.5°	461.6	461.2	460.7	460.3	460.7	461.2	461.6	462.0	462.4	462.9	463.4
125°	509.9	509.7	509.5	509.3	509.5	509.7	509.9	510.1	510.5	511.0	511.6
127.5°	555.8	555.2	554.6	554.0	554.6	555.2	555.8	556.4	557.1	557.8	558.4
130°	588.3	587.5	586.8	586.0	586.8	587.5	588.3	589.1	589.7	590.1	590.5
132.5°	618.6	617.9	617.3	616.7	617.3	617.9	618.6	619.2	619.9	620.8	621.6
135°	666.2	665.6	665.1	664.5	665.1	665.6	666.2	666.8	667.2	667.4	667.6
137.5°	710.1	709.3	708.5	707.7	708.5	709.3	710.1	710.8	711.4	711.5	711.6
140°	740.1	739.3	738.6	737.8	738.6	739.3	740.1	740.9	741.2	741.2	741.2
142.5°	767.3	766.5	765.8	765.0	765.8	766.5	767.3	768.1	768.4	768.3	768.1
145°	808.1	807.4	806.6	805.8	806.6	807.4	808.1	808.9	809.2	809.0	808.8
147.5°	844.5	843.7	843.0	842.2	843.0	843.7	844.5	845.2	845.3	844.9	844.5
150°	867.7	867.1	866.5	866.0	866.5	867.1	867.7	868.3	868.3	867.7	867.1
152.5°	890.5	889.8	889.0	888.3	889.0	889.8	890.5	891.2	891.2	890.5	889.8
155°	920.1	919.5	918.9	918.3	918.9	919.5	920.1	920.6	920.4	919.5	918.5
157.5°	946.9	946.0	945.0	944.1	945.0	946.0	946.9	947.8	947.6	946.3	945.0
160°	962.5	961.7	961.0	960.2	961.0	961.7	962.5	963.3	963.0	961.9	960.7
162.5°	976.9	975.9	975.0	974.1	975.0	975.9	976.9	977.8	977.7	976.3	975.0
165°	995.3	994.4	993.4	992.4	993.4	994.4	995.3	996.3	996.1	994.7	993.4
167.5°	1010.5	1009.4	1008.4	1007.5	1008.4	1009.4	1010.5	1011.4	1011.2	1010.0	1008.6
170°	1018.6	1017.4	1016.2	1015.1	1016.2	1017.4	1018.6	1019.8	1019.7	1018.3	1016.9
172.5°	1024.8	1023.7	1022.5	1021.4	1022.5	1023.7	1024.8	1026.1	1025.9	1024.6	1023.2
175°	1031.7	1030.5	1029.3	1028.2	1029.3	1030.5	1031.7	1032.9	1032.7	1031.4	1030.0
177.5°	1034.1	1033.2	1032.3	1031.3	1032.3	1033.2	1034.1	1035.0	1035.0	1034.1	1033.2
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1428.5	1433.6	1441.3	1449.6	1454.6	1464.1	1466.9	1471.4	1475.6	1485.2	1495.2
5°	1346.0	1354.0	1372.9	1383.1	1397.4	1414.0	1424.9	1436.3	1448.9	1470.6	1490.6
7.5°	1257.6	1270.9	1294.3	1313.5	1333.9	1357.7	1374.8	1397.4	1416.2	1446.8	1476.0
10°	1198.6	1217.5	1238.6	1261.5	1290.0	1315.2	1339.2	1367.7	1390.6	1427.1	1461.5
12.5°	1145.6	1148.5	1178.7	1203.9	1242.9	1274.0	1301.7	1338.5	1360.9	1404.3	1440.4
15°	1052.9	1070.1	1097.5	1117.5	1163.7	1203.2	1242.1	1280.3	1306.1	1359.7	1407.1
17.5°	974.9	990.7	1018.7	1051.5	1084.8	1124.0	1174.3	1214.6	1249.6	1311.0	1367.0
20°	925.5	944.9	973.5	1007.2	1036.4	1079.2	1122.7	1168.9	1206.6	1275.7	1341.4
22.5°	883.5	898.8	921.9	955.1	987.0	1026.2	1073.8	1124.1	1163.6	1238.3	1304.8
25°	824.4	837.0	851.8	879.3	915.2	958.1	995.2	1050.7	1108.4	1178.0	1258.6
27.5°	771.2	780.1	793.2	817.3	845.2	885.3	926.5	979.1	1037.2	1112.8	1197.8
30°	738.7	744.4	757.6	777.6	804.9	836.4	878.1	928.4	987.8	1064.4	1148.9
32.5°	710.4	715.7	724.2	743.3	767.1	793.9	831.5	881.8	938.4	1013.7	1107.3
35°	667.9	671.8	679.3	694.7	707.8	734.2	765.6	811.2	864.4	936.4	1033.5
37.5°	625.5	630.9	635.5	642.0	658.9	676.2	703.5	742.1	794.3	866.9	959.5
40°	597.6	602.2	609.0	611.9	625.6	641.0	663.3	698.7	751.3	817.5	907.8
42.5°	569.3	573.9	577.9	581.3	593.1	606.7	626.7	657.1	703.8	768.2	857.6
45°	530.7	531.3	535.3	541.6	547.3	557.1	571.3	597.6	633.6	694.1	775.2
47.5°	491.6	492.3	493.0	495.8	502.0	510.8	520.4	541.7	573.9	622.2	701.2
50°	465.6	464.5	465.6	467.9	471.9	479.3	490.2	505.6	531.9	577.0	649.6
52.5°	440.5	440.2	439.5	440.5	443.6	448.7	456.3	469.5	493.0	534.5	598.4
55°	402.2	399.3	399.9	397.6	402.8	403.9	409.7	420.5	441.1	469.6	529.6
57.5°	361.4	359.0	356.5	355.9	355.3	358.4	363.0	371.6	387.4	412.3	461.1
60°	335.4	332.5	329.1	328.0	328.0	329.7	331.9	338.2	353.1	375.4	415.3
62.5°	308.8	305.6	303.5	300.5	299.6	301.4	303.6	308.1	318.8	339.7	374.2
65°	267.9	264.0	261.1	260.5	259.4	257.7	258.8	263.4	271.9	288.5	315.9
67.5°	227.0	223.2	222.5	219.1	217.6	217.7	217.6	221.4	226.6	240.9	261.3
70°	199.9	197.1	196.0	193.1	192.0	190.8	189.7	193.1	198.3	210.3	228.0
72.5°	172.5	170.1	167.6	165.2	165.5	164.3	164.1	166.2	170.4	181.4	195.0
75°	133.1	133.7	130.9	127.9	127.4	126.2	126.2	127.9	129.7	138.3	149.1
77.5°	96.5	96.1	93.7	92.8	92.2	90.9	92.2	93.3	94.3	100.0	108.0
80°	73.7	73.7	70.9	70.9	70.3	68.5	70.3	69.1	71.4	77.1	82.8
82.5°	52.7	51.7	51.7	50.7	50.6	49.3	50.2	51.3	52.2	56.1	59.5
85°	25.7	25.7	25.1	24.5	25.1	24.5	25.1	25.7	26.3	28.0	30.8
87.5°	11.5	12.1	11.6	11.3	10.4	10.0	9.8	9.8	10.2	10.2	10.2
90°	30.1	30.5	26.3	22.0	17.7	13.4	10.2	7.8	5.5	3.2	0.9
92.5°	27.8	27.7	26.7	25.7	24.7	23.7	22.4	20.7	18.9	17.2	15.5
95°	55.8	55.8	55.4	55.0	54.7	54.2	53.1	51.1	49.2	47.3	45.4
97.5°	93.8	93.8	93.1	92.4	91.6	90.9	89.6	88.0	86.3	84.6	82.8
100°	120.4	120.4	119.8	119.2	118.6	118.0	116.9	115.4	113.8	112.3	110.7
102.5°	149.1	149.0	148.2	147.5	146.7	146.0	145.0	143.8	142.5	141.3	140.1
105°	192.3	191.8	191.5	191.1	190.7	190.3	189.9	189.2	188.6	188.0	187.5
107.5°	239.3	239.1	239.1	239.1	239.1	239.1	238.7	237.8	236.9	236.2	235.3
110°	271.2	271.2	271.2	271.2	271.2	271.2	270.6	269.5	268.3	267.2	266.0



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	303.5	304.0	304.2	304.3	304.4	304.6	304.1	303.0	301.8	300.7	299.5
115°	352.1	352.3	352.7	353.1	353.4	353.9	353.4	352.3	351.1	350.0	348.8
117.5°	399.7	400.1	401.2	402.3	403.4	404.4	404.2	402.7	401.1	399.6	398.0
120°	430.8	430.8	432.4	433.9	435.5	437.0	437.0	435.5	433.9	432.4	430.8
122.5°	463.8	464.3	465.4	466.5	467.5	468.6	468.2	466.4	464.5	462.7	460.8
125°	512.2	512.8	513.3	513.9	514.5	515.1	514.5	512.8	511.0	509.3	507.6
127.5°	559.1	559.9	560.6	561.3	562.0	562.7	561.9	559.7	557.5	555.3	553.1
130°	590.9	591.2	591.7	592.0	592.5	592.8	591.8	589.3	586.7	584.2	581.7
132.5°	622.5	623.4	623.3	623.2	623.1	623.0	622.0	619.9	617.9	615.8	613.7
135°	667.8	668.0	667.6	667.2	666.8	666.4	665.2	663.1	660.9	658.8	656.7
137.5°	711.8	712.0	711.4	710.9	710.4	710.0	708.8	707.1	705.3	703.6	701.8
140°	741.2	741.2	740.3	739.3	738.4	737.4	736.0	734.3	732.5	730.8	729.0
142.5°	767.9	767.8	767.2	766.5	765.8	765.2	764.0	762.2	760.4	758.7	757.0
145°	808.6	808.4	807.3	806.1	804.9	803.7	802.5	801.2	799.8	798.4	797.0
147.5°	844.0	843.6	842.8	842.1	841.3	840.5	839.3	837.7	836.1	834.5	832.8
150°	866.5	866.0	865.2	864.4	863.7	862.9	861.9	860.7	859.5	858.4	857.2
152.5°	889.0	888.3	887.3	886.4	885.5	884.6	883.6	882.4	881.2	880.0	878.9
155°	917.5	916.5	915.9	915.4	914.8	914.2	913.6	913.1	912.5	911.9	911.3
157.5°	943.7	942.4	942.0	941.7	941.3	941.0	940.6	940.2	939.8	939.4	939.0
160°	959.6	958.4	958.2	958.0	957.9	957.6	957.3	956.9	956.6	956.1	955.8
162.5°	973.7	972.3	972.2	972.0	971.8	971.6	971.5	971.4	971.3	971.2	971.1
165°	992.0	990.7	990.7	990.7	990.7	990.7	990.8	990.9	991.2	991.4	991.5
167.5°	1007.2	1005.8	1005.9	1005.9	1006.0	1006.0	1006.3	1006.9	1007.5	1008.1	1008.7
170°	1015.5	1014.3	1014.4	1014.6	1014.8	1015.0	1015.4	1016.0	1016.6	1017.1	1017.7
172.5°	1021.8	1020.5	1020.7	1020.9	1021.1	1021.2	1021.7	1022.3	1022.8	1023.4	1024.0
175°	1028.6	1027.3	1027.7	1028.0	1028.5	1028.8	1029.3	1029.9	1030.5	1031.0	1031.7
177.5°	1032.3	1031.3	1031.7	1031.9	1032.3	1032.5	1032.9	1033.4	1033.9	1034.3	1034.8
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1494.4	1496.6	1503.9	1511.2	1519.5	1521.7	1525.4	1522.2	1521.3	1530.0	1536.4
5°	1498.6	1508.8	1528.9	1547.1	1562.5	1573.4	1584.8	1589.4	1597.9	1610.0	1624.8
7.5°	1493.7	1513.7	1545.2	1571.8	1600.9	1621.7	1638.1	1652.0	1669.0	1691.7	1716.5
10°	1488.2	1515.1	1553.4	1586.0	1621.3	1648.2	1670.5	1692.2	1717.4	1748.8	1781.3
12.5°	1478.3	1510.1	1558.0	1596.5	1641.9	1668.4	1698.4	1745.2	1772.2	1816.0	1861.8
15°	1458.0	1493.4	1560.2	1607.7	1659.1	1709.3	1764.8	1809.4	1853.9	1879.6	1944.2
17.5°	1428.0	1480.0	1553.9	1609.3	1674.6	1753.9	1816.1	1866.6	1918.0	1959.7	1992.1
20°	1403.7	1460.3	1544.8	1611.1	1688.8	1773.9	1845.4	1896.8	1941.3	1976.2	1996.1
22.5°	1373.1	1444.2	1526.6	1604.2	1703.4	1787.6	1862.7	1903.2	1940.4	1957.4	1965.1
25°	1324.9	1410.6	1503.7	1598.5	1710.5	1799.7	1868.2	1892.7	1903.6	1887.1	1859.6
27.5°	1272.9	1368.4	1477.3	1587.8	1706.2	1791.8	1841.0	1837.1	1818.7	1765.1	1722.3
30°	1234.1	1339.2	1456.3	1576.8	1695.7	1779.1	1807.7	1779.1	1737.3	1677.4	1616.3
32.5°	1193.3	1302.2	1433.9	1561.3	1676.5	1749.8	1756.0	1706.8	1642.3	1574.1	1497.9
35°	1131.8	1249.5	1391.7	1526.6	1635.6	1682.0	1654.5	1567.7	1491.2	1398.0	1294.0
37.5°	1062.2	1192.1	1334.8	1475.7	1574.5	1586.7	1518.5	1427.1	1319.1	1209.7	1087.4
40°	1010.1	1147.8	1294.6	1436.8	1524.2	1511.7	1424.9	1324.3	1195.8	1062.0	948.4
42.5°	963.5	1101.1	1250.7	1390.3	1460.3	1425.7	1324.3	1200.9	1062.7	936.9	832.8
45°	882.7	1024.3	1177.5	1312.3	1352.3	1290.0	1155.8	1018.6	882.7	777.6	695.3
47.5°	804.3	944.3	1096.0	1214.5	1228.6	1144.9	998.2	857.1	740.2	654.6	596.6
50°	746.7	887.3	1037.5	1143.2	1138.6	1037.5	886.7	752.4	654.7	585.6	546.7
52.5°	695.1	827.9	972.2	1068.2	1044.0	933.8	789.8	670.6	590.3	536.2	501.0
55°	614.8	737.5	874.7	951.8	907.2	785.0	663.3	567.3	507.9	467.4	439.9
57.5°	534.9	650.1	767.5	815.0	765.8	652.9	551.5	481.8	437.1	407.1	389.3
60°	485.6	586.2	690.7	731.8	673.0	572.5	492.5	430.2	394.2	369.6	353.6
62.5°	436.3	526.3	624.9	647.3	593.5	508.5	437.6	385.9	356.3	334.4	319.3
65°	369.1	442.7	517.6	532.4	482.8	417.1	361.1	327.4	301.1	285.1	273.1
67.5°	302.6	361.9	414.9	426.9	383.3	337.8	297.3	267.9	250.1	236.9	226.7
70°	263.4	310.2	353.6	363.3	328.5	287.9	257.1	233.7	217.7	206.2	196.6
72.5°	221.8	260.9	297.0	303.5	275.0	244.1	218.7	200.3	186.1	178.8	169.5
75°	169.7	192.5	220.5	222.2	203.4	184.5	165.1	153.1	145.7	136.6	132.0
77.5°	119.8	137.7	153.7	156.8	145.6	132.8	121.9	112.4	106.2	101.9	97.7
80°	91.4	105.7	112.5	116.6	108.6	99.4	93.2	86.9	82.8	80.0	77.1
82.5°	65.3	74.1	80.6	83.6	79.3	73.8	67.5	64.0	60.9	58.5	57.5
85°	33.1	37.1	41.2	42.3	41.2	38.8	35.4	35.4	33.7	33.1	33.1
87.5°	12.1	14.4	14.8	16.7	16.4	17.2	18.1	18.5	18.9	18.3	17.8
90°	3.2	5.5	7.8	10.2	13.4	17.7	22.0	26.3	30.5	30.1	29.7
92.5°	17.2	18.9	20.7	22.4	23.7	24.7	25.7	26.7	27.7	27.8	27.9
95°	47.3	49.2	51.1	53.1	54.2	54.7	55.0	55.4	55.8	55.8	55.8
97.5°	84.6	86.3	88.0	89.6	90.9	91.6	92.4	93.1	93.8	93.8	93.8
100°	112.3	113.8	115.4	116.9	118.0	118.6	119.2	119.8	120.4	120.4	120.4
102.5°	141.3	142.5	143.8	145.0	146.0	146.7	147.5	148.2	149.0	149.1	149.3
105°	188.0	188.6	189.2	189.9	190.3	190.7	191.1	191.5	191.8	192.3	192.6
107.5°	236.2	236.9	237.8	238.7	239.1	239.1	239.1	239.1	239.1	239.3	239.4
110°	267.2	268.3	269.5	270.6	271.2	271.2	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	300.7	301.8	303.0	304.1	304.6	304.4	304.3	304.2	304.0	303.5	303.1
115°	350.0	351.1	352.3	353.4	353.9	353.4	353.1	352.7	352.3	352.1	351.9
117.5°	399.6	401.1	402.7	404.2	404.4	403.4	402.3	401.2	400.1	399.7	399.2
120°	432.4	433.9	435.5	437.0	437.0	435.5	433.9	432.4	430.8	430.8	430.8
122.5°	462.7	464.5	466.4	468.2	468.6	467.5	466.5	465.4	464.3	463.8	463.4
125°	509.3	511.0	512.8	514.5	515.1	514.5	513.9	513.3	512.8	512.2	511.6
127.5°	555.3	557.5	559.7	561.9	562.7	562.0	561.3	560.6	559.9	559.1	558.4
130°	584.2	586.7	589.3	591.8	592.8	592.5	592.0	591.7	591.2	590.9	590.5
132.5°	615.8	617.9	619.9	622.0	623.0	623.1	623.2	623.3	623.4	622.5	621.6
135°	658.8	660.9	663.1	665.2	666.4	666.8	667.2	667.6	668.0	667.8	667.6
137.5°	703.6	705.3	707.1	708.8	710.0	710.4	710.9	711.4	712.0	711.8	711.6
140°	730.8	732.5	734.3	736.0	737.4	738.4	739.3	740.3	741.2	741.2	741.2
142.5°	758.7	760.4	762.2	764.0	765.2	765.8	766.5	767.2	767.8	767.9	768.1
145°	798.4	799.8	801.2	802.5	803.7	804.9	806.1	807.3	808.4	808.6	808.8
147.5°	834.5	836.1	837.7	839.3	840.5	841.3	842.1	842.8	843.6	844.0	844.5
150°	858.4	859.5	860.7	861.9	862.9	863.7	864.4	865.2	866.0	866.5	867.1
152.5°	880.0	881.2	882.4	883.6	884.6	885.5	886.4	887.3	888.3	889.0	889.8
155°	911.9	912.5	913.1	913.6	914.2	914.8	915.4	915.9	916.5	917.5	918.5
157.5°	939.4	939.8	940.2	940.6	941.0	941.3	941.7	942.0	942.4	943.7	945.0
160°	956.1	956.6	956.9	957.3	957.6	957.9	958.0	958.2	958.4	959.6	960.7
162.5°	971.2	971.3	971.4	971.5	971.6	971.8	972.0	972.2	972.3	973.7	975.0
165°	991.4	991.2	990.9	990.8	990.7	990.7	990.7	990.7	990.7	992.0	993.4
167.5°	1008.1	1007.5	1006.9	1006.3	1006.0	1006.0	1005.9	1005.9	1005.8	1007.2	1008.6
170°	1017.1	1016.6	1016.0	1015.4	1015.0	1014.8	1014.6	1014.4	1014.3	1015.5	1016.9
172.5°	1023.4	1022.8	1022.3	1021.7	1021.2	1021.1	1020.9	1020.7	1020.5	1021.8	1023.2
175°	1031.0	1030.5	1029.9	1029.3	1028.8	1028.5	1028.0	1027.7	1027.3	1028.6	1030.0
177.5°	1034.3	1033.9	1033.4	1032.9	1032.5	1032.3	1031.9	1031.7	1031.3	1032.3	1033.2
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1541.9	1548.3	1548.3	1549.2	1556.5	1555.6	1555.1
5°	1640.8	1650.5	1651.7	1662.0	1668.8	1666.6	1660.3
7.5°	1734.1	1752.2	1765.9	1773.6	1782.6	1788.2	1785.7
10°	1808.2	1834.4	1850.5	1861.3	1874.5	1884.2	1880.8
12.5°	1875.4	1906.7	1928.6	1947.2	1949.0	1961.4	1953.0
15°	1980.2	2013.3	2016.7	2030.4	2041.3	2040.1	2040.7
17.5°	2014.8	2025.4	2027.6	2027.9	2028.1	2024.0	2015.3
20°	2002.4	1998.5	1988.7	1981.3	1968.2	1966.4	1955.1
22.5°	1944.0	1931.3	1906.9	1890.8	1870.4	1865.0	1861.8
25°	1828.8	1800.8	1762.0	1724.8	1714.5	1694.5	1700.2
27.5°	1670.8	1627.1	1585.0	1554.9	1527.6	1497.6	1506.2
30°	1559.7	1510.5	1451.1	1405.4	1376.3	1347.7	1342.6
32.5°	1427.1	1355.1	1288.9	1248.6	1204.0	1185.9	1166.1
35°	1198.6	1128.3	1062.6	1006.1	973.5	948.4	925.5
37.5°	993.1	912.1	859.1	813.3	789.8	775.4	779.0
40°	865.6	794.7	755.9	721.0	699.3	689.0	691.3
42.5°	762.2	709.2	677.3	653.3	638.0	632.3	630.9
45°	645.0	615.3	589.0	575.3	567.9	561.6	557.6
47.5°	565.0	540.8	526.0	517.8	511.3	504.9	504.8
50°	517.0	501.0	490.8	482.2	477.1	472.5	476.5
52.5°	480.4	465.9	455.6	447.9	446.0	441.9	441.8
55°	426.2	414.7	407.3	400.5	397.1	394.8	391.9
57.5°	376.9	366.0	359.1	354.8	348.3	345.9	345.1
60°	341.6	333.0	326.2	320.5	317.6	313.1	313.1
62.5°	309.2	300.7	294.2	289.9	285.2	283.4	283.9
65°	262.3	255.4	249.1	244.5	243.4	240.0	241.1
67.5°	219.0	214.5	207.8	205.3	203.2	201.3	199.9
70°	190.3	185.7	182.3	178.8	177.1	177.1	177.1
72.5°	166.0	160.6	158.5	154.1	155.2	153.3	151.5
75°	128.5	125.1	123.4	121.7	118.8	118.8	118.8
77.5°	94.6	93.6	91.5	89.7	89.0	88.4	88.7
80°	73.1	72.6	71.4	71.4	70.3	69.7	68.5
82.5°	56.2	54.8	54.1	53.6	53.4	53.2	53.0
85°	32.0	30.8	30.8	31.4	30.3	30.3	30.8
87.5°	18.3	18.2	17.7	17.7	18.2	17.7	17.8
90°	29.4	28.9	28.8	29.1	29.3	29.4	29.6
92.5°	28.0	28.1	28.1	28.2	28.2	28.2	28.2
95°	55.8	55.8	55.6	55.2	54.8	54.4	54.1
97.5°	93.8	93.8	93.8	93.8	93.8	93.7	93.7
100°	120.4	120.4	120.3	120.0	119.9	119.7	119.5
102.5°	149.4	149.6	149.6	149.4	149.1	149.0	148.8
105°	193.0	193.4	193.6	193.6	193.6	193.6	193.6
107.5°	239.6	239.7	239.4	238.5	237.5	236.7	235.8
110°	271.2	271.2	271.0	270.4	269.8	269.1	268.6



TEST NUMBER: P331568-935

CATALOG NUMBER: S122DIW-S865D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	302.6	302.1	301.7	301.3	300.8	300.4	300.0
115°	351.7	351.5	351.1	350.6	350.0	349.4	348.8
117.5°	398.7	398.2	397.7	397.2	396.6	396.0	395.4
120°	430.8	430.8	430.5	429.9	429.4	428.8	428.2
122.5°	462.9	462.4	462.0	461.6	461.2	460.7	460.3
125°	511.0	510.5	510.1	509.9	509.7	509.5	509.3
127.5°	557.8	557.1	556.4	555.8	555.2	554.6	554.0
130°	590.1	589.7	589.1	588.3	587.5	586.8	586.0
132.5°	620.8	619.9	619.2	618.6	617.9	617.3	616.7
135°	667.4	667.2	666.8	666.2	665.6	665.1	664.5
137.5°	711.5	711.4	710.8	710.1	709.3	708.5	707.7
140°	741.2	741.2	740.9	740.1	739.3	738.6	737.8
142.5°	768.3	768.4	768.1	767.3	766.5	765.8	765.0
145°	809.0	809.2	808.9	808.1	807.4	806.6	805.8
147.5°	844.9	845.3	845.2	844.5	843.7	843.0	842.2
150°	867.7	868.3	868.3	867.7	867.1	866.5	866.0
152.5°	890.5	891.2	891.2	890.5	889.8	889.0	888.3
155°	919.5	920.4	920.6	920.1	919.5	918.9	918.3
157.5°	946.3	947.6	947.8	946.9	946.0	945.0	944.1
160°	961.9	963.0	963.3	962.5	961.7	961.0	960.2
162.5°	976.3	977.7	977.8	976.9	975.9	975.0	974.1
165°	994.7	996.1	996.3	995.3	994.4	993.4	992.4
167.5°	1010.0	1011.2	1011.4	1010.5	1009.4	1008.4	1007.5
170°	1018.3	1019.7	1019.8	1018.6	1017.4	1016.2	1015.1
172.5°	1024.6	1025.9	1026.1	1024.8	1023.7	1022.5	1021.4
175°	1031.4	1032.7	1032.9	1031.7	1030.5	1029.3	1028.2
177.5°	1034.1	1035.0	1035.0	1034.1	1033.2	1032.3	1031.3
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4

(END OF REPORT)