

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: P332186-840

Luminaire Tested: **S123DIW-S1000D755U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332186-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S1000D755U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7334.0 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

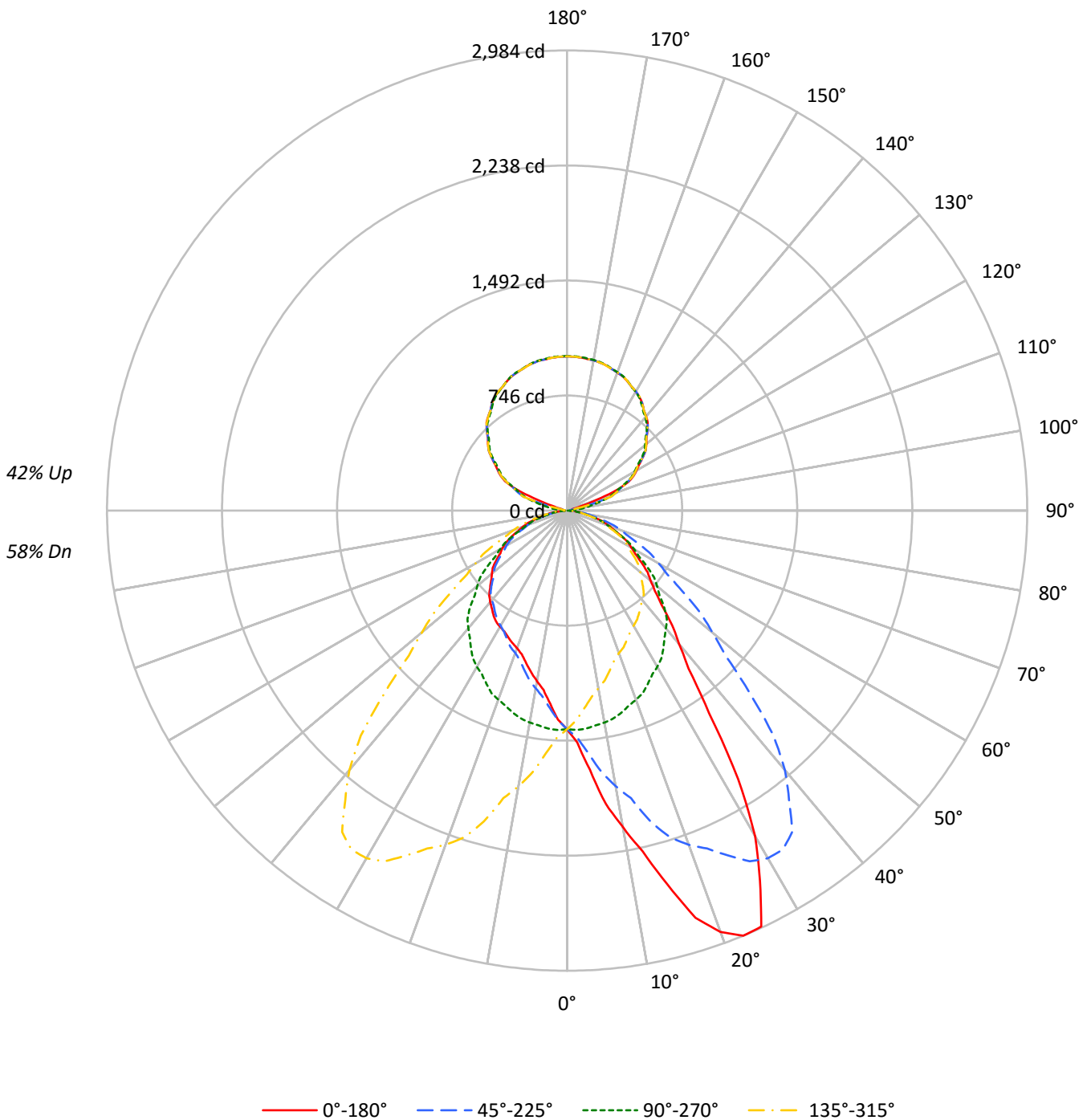
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50
2	91	84	78	73	85	79	73	69	68	64	61	59	56	54	50	48	46	42
3	83	74	67	61	78	69	63	58	61	56	52	53	49	46	45	42	40	36
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	40	37	35	31
5	70	59	51	45	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15268	15268	15268	15268
5°	18208	15333	13588	15333
10°	22789	15255	12273	15255
15°	27952	15133	11426	15133
20°	33298	14940	10879	14940
25°	35357	14707	10757	14707
30°	30305	14537	10813	14537
35°	21077	14294	10926	14294
40°	15874	14011	10893	14011
45°	13181	13589	10753	13589
50°	11807	12727	10655	12727
55°	11038	11798	10524	11798
60°	10355	10828	10415	10828
65°	9732	9872	10083	9872
70°	9127	8781	9602	8781
75°	8172	7690	8804	7690
80°	7153	6304	7581	6304
85°	5595	4582	5088	4582



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.7	1.9
10°-20°	448.0	6.1
20°-30°	751.9	10.3
30°-40°	851.4	11.6
40°-50°	763.5	10.4
50°-60°	616.1	8.4
60°-70°	429.4	5.9
70°-80°	225.7	3.1
80°-90°	58.0	0.8
90°-100°	36.4	0.5
100°-110°	173.3	2.4
110°-120°	416.3	5.7
120°-130°	530.1	7.2
130°-140°	566.4	7.7
140°-150°	529.7	7.2
150°-160°	427.3	5.8
160°-170°	275.7	3.8
170°-180°	95.0	1.3
0°-30°	1339.7	18.3
0°-40°	2191.1	29.9
0°-60°	3570.7	48.7
0°-90°	4283.8	58.4
90°-120°	626.0	8.5
90°-150°	2252.2	30.7
90°-180°	3050.0	41.6
0°-180°	7334.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1418	1418	1418	1418	1418	
5°	1685	1419	1258	1419	1685	175
15°	2508	1358	1025	1358	2508	724
25°	2977	1238	906	1238	2977	1306
35°	1604	1088	832	1088	1604	1042
45°	866	893	706	893	866	685
55°	588	629	561	629	588	528
65°	382	388	396	388	382	380
75°	196	185	212	185	196	210
85°	45	37	41	37	45	54
90°	22	1	22	1	22	12
95°	28	45	28	45	28	24
105°	33	222	33	222	33	75
115°	437	415	437	415	437	404
125°	597	586	597	586	597	534
135°	736	729	736	729	736	568
145°	849	841	849	841	849	530
155°	925	927	925	927	925	427
165°	975	977	975	977	975	275
175°	996	1000	996	1000	996	95
180°	1000	1000	1000	1000	1000	



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4
2.5°	1505.2	1504.2	1501.4	1503.6	1499.2	1493.2	1492.6	1487.1	1471.2	1470.1	1465.7
5°	1685.1	1679.5	1678.8	1678.2	1668.5	1655.5	1630.7	1628.7	1595.7	1579.2	1559.2
7.5°	1917.8	1920.8	1910.7	1901.9	1872.5	1853.1	1826.5	1792.6	1752.1	1711.0	1683.6
10°	2085.0	2107.7	2079.5	2060.2	2042.4	2008.7	1969.5	1920.8	1872.0	1814.9	1771.6
12.5°	2264.2	2275.3	2269.7	2251.6	2223.8	2172.5	2103.1	2049.4	2004.5	1909.5	1871.1
15°	2508.3	2550.2	2523.5	2461.5	2463.0	2414.2	2323.4	2223.8	2170.9	2087.7	1974.4
17.5°	2768.3	2773.6	2762.2	2710.6	2676.2	2609.2	2525.5	2429.9	2322.8	2222.1	2101.9
20°	2906.9	2902.8	2878.7	2851.9	2792.8	2740.6	2649.2	2542.6	2405.2	2306.2	2175.0
22.5°	2983.8	2977.0	2965.6	2943.2	2894.0	2837.9	2755.8	2639.4	2508.6	2372.3	2220.6
25°	2977.0	2985.9	2987.3	2981.1	2964.0	2930.2	2865.6	2772.9	2642.3	2467.1	2309.1
27.5°	2707.5	2720.3	2756.9	2789.6	2825.9	2863.1	2858.1	2812.1	2715.4	2564.0	2370.9
30°	2438.2	2410.7	2478.7	2564.7	2623.0	2726.1	2783.9	2787.3	2733.0	2603.1	2414.8
32.5°	2064.4	2094.6	2124.7	2230.4	2358.0	2473.8	2588.7	2681.2	2691.8	2605.4	2440.6
35°	1604.0	1641.7	1696.7	1751.7	1889.2	2007.3	2209.4	2385.3	2525.5	2544.1	2443.0
37.5°	1292.5	1311.2	1345.9	1401.1	1491.0	1631.1	1787.5	2009.8	2212.9	2364.0	2370.6
40°	1129.7	1135.3	1174.5	1216.4	1289.2	1404.6	1545.5	1742.0	1985.3	2196.4	2284.3
42.5°	1007.7	1019.8	1036.4	1076.7	1134.7	1221.5	1352.5	1515.0	1738.0	1980.7	2152.8
45°	865.9	879.6	889.9	916.8	958.0	1016.3	1107.8	1256.2	1425.9	1676.8	1908.3
47.5°	772.1	773.3	780.9	801.1	829.2	873.0	937.7	1033.0	1188.8	1392.3	1630.0
50°	705.1	716.1	718.8	734.6	756.6	788.9	842.5	923.6	1051.5	1230.1	1448.7
52.5°	657.8	661.1	668.8	680.2	699.4	724.6	771.0	834.6	934.8	1087.1	1288.1
55°	588.2	588.2	595.8	604.7	615.7	638.4	669.3	716.1	792.3	910.6	1076.8
57.5°	523.9	527.4	532.7	535.4	544.8	559.8	585.6	621.1	678.0	769.0	901.2
60°	481.0	487.3	486.6	492.0	500.3	512.0	533.9	562.8	613.7	686.5	797.9
62.5°	443.6	443.2	443.1	449.7	458.0	469.1	483.4	508.4	551.6	616.1	710.9
65°	382.1	380.7	385.6	389.6	392.4	400.6	411.6	433.6	462.5	510.6	584.1
67.5°	327.4	323.4	326.0	327.4	332.0	338.5	348.8	362.4	385.4	424.0	479.4
70°	290.0	286.6	285.9	287.2	291.3	296.2	303.8	316.8	338.1	369.0	409.6
72.5°	251.6	249.1	249.0	252.1	254.0	257.1	262.5	274.5	291.3	314.6	352.4
75°	196.5	196.5	196.5	197.2	199.2	202.1	206.1	212.4	225.4	241.9	267.3
77.5°	147.3	147.2	146.3	146.2	149.3	150.5	151.5	157.2	164.5	175.6	194.2
80°	115.4	112.0	113.4	115.4	116.8	117.5	119.6	121.0	127.1	133.3	146.3
82.5°	85.7	82.9	83.1	86.3	86.5	87.3	89.4	91.3	93.6	99.3	106.2
85°	45.3	45.3	46.0	46.0	46.8	46.0	48.1	48.8	48.8	52.2	56.4
87.5°	20.9	19.8	20.3	20.8	20.1	20.6	21.0	21.4	21.8	22.2	22.4
90°	22.3	21.9	21.6	21.3	21.0	20.5	19.8	19.2	18.5	17.9	15.7
92.5°	24.6	24.4	24.2	24.0	23.8	23.2	22.2	21.1	20.1	19.0	17.4
95°	28.3	28.3	28.3	28.3	28.3	27.7	26.5	25.3	24.2	23.0	21.2
97.5°	30.6	30.5	30.3	30.1	30.0	29.2	27.9	26.6	25.2	23.9	35.9
100°	31.2	31.0	30.9	30.7	30.6	29.8	28.5	27.2	25.9	24.5	50.3
102.5°	31.8	31.5	31.2	30.9	30.6	32.5	36.7	40.7	44.8	48.9	77.1
105°	32.7	32.4	32.0	31.7	31.4	45.8	75.0	104.3	133.5	162.8	177.6
107.5°	102.7	124.7	146.7	168.7	190.9	212.6	234.0	255.4	276.8	298.3	296.0
110°	204.4	227.9	251.6	275.2	298.8	313.4	318.8	324.3	329.7	335.2	333.4



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	350.6	355.6	360.6	365.6	370.5	373.0	372.9	372.8	372.7	372.6	370.8
115°	437.0	436.3	435.7	434.9	434.3	433.1	431.5	429.9	428.2	426.6	425.1
117.5°	485.4	485.2	485.1	485.0	484.8	484.1	482.8	481.5	480.2	478.9	478.1
120°	518.7	518.7	518.7	518.7	518.7	518.1	516.7	515.4	514.1	512.7	512.3
122.5°	551.4	551.3	551.1	551.0	550.9	550.4	549.4	548.5	547.5	546.6	546.0
125°	597.4	597.1	596.8	596.5	596.1	595.8	595.5	595.1	594.8	594.5	593.8
127.5°	641.8	642.1	642.4	642.8	643.1	643.0	642.5	642.0	641.4	640.9	640.1
130°	670.2	670.7	671.0	671.3	671.7	671.5	670.8	670.1	669.4	668.8	668.1
132.5°	696.4	696.9	697.4	697.8	698.3	698.2	697.5	696.9	696.2	695.6	695.0
135°	736.4	736.9	737.4	737.9	738.4	738.4	737.9	737.4	736.9	736.4	735.8
137.5°	774.1	774.4	774.7	775.1	775.4	775.2	774.4	773.6	772.7	771.9	771.6
140°	796.6	797.0	797.3	797.6	798.0	797.8	797.1	796.5	795.8	795.2	794.7
142.5°	817.4	817.9	818.4	818.8	819.3	819.2	818.7	818.2	817.7	817.2	816.7
145°	849.4	849.4	849.4	849.4	849.4	849.2	848.9	848.6	848.2	847.9	847.6
147.5°	873.1	873.9	874.6	875.5	876.2	876.5	876.1	875.8	875.5	875.0	874.7
150°	891.0	891.5	892.0	892.5	893.0	893.0	892.7	892.4	892.1	891.7	891.4
152.5°	905.2	906.1	906.8	907.6	908.3	908.4	907.8	907.2	906.6	906.1	905.8
155°	925.1	926.1	927.2	928.2	929.2	929.3	928.4	927.6	926.8	925.9	925.7
157.5°	942.0	943.3	944.5	945.8	947.2	947.3	946.2	945.3	944.3	943.3	943.5
160°	952.7	953.8	955.0	956.1	957.4	957.4	956.4	955.4	954.4	953.4	953.6
162.5°	962.8	963.8	964.8	965.8	966.8	966.8	965.7	964.6	963.5	962.3	962.5
165°	974.9	976.1	977.2	978.5	979.6	979.5	978.2	976.8	975.5	974.2	974.4
167.5°	983.7	985.0	986.3	987.7	989.1	989.1	987.7	986.3	985.0	983.7	983.7
170°	989.1	990.4	991.7	993.1	994.4	994.4	993.1	991.7	990.4	989.1	989.1
172.5°	992.1	993.5	995.0	996.4	997.8	997.9	996.6	995.3	994.0	992.7	992.5
175°	996.5	997.8	999.2	1000.5	1001.8	1001.9	1000.8	999.6	998.5	997.2	997.1
177.5°	997.8	999.2	1000.5	1001.8	1003.1	1003.3	1002.2	1001.2	1000.1	999.1	999.0
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4
2.5°	1462.4	1457.9	1453.6	1445.9	1439.3	1430.0	1427.1	1423.9	1414.0	1405.2	1398.6
5°	1551.7	1535.2	1511.2	1489.1	1471.3	1447.2	1433.5	1419.1	1398.5	1379.9	1364.8
7.5°	1645.2	1612.8	1575.4	1534.9	1497.3	1461.0	1431.7	1405.6	1376.7	1349.4	1328.1
10°	1719.4	1672.6	1620.4	1564.1	1516.0	1469.3	1430.1	1395.7	1358.6	1326.3	1299.5
12.5°	1804.0	1734.7	1662.7	1594.3	1537.4	1472.6	1425.1	1381.4	1339.4	1300.5	1270.4
15°	1904.2	1816.2	1731.1	1636.9	1550.3	1469.3	1412.9	1358.0	1309.1	1269.3	1230.8
17.5°	1995.5	1895.8	1783.5	1669.1	1564.6	1468.4	1389.6	1327.4	1266.4	1217.6	1179.2
20°	2047.2	1933.8	1806.6	1687.8	1572.4	1465.1	1378.6	1304.3	1238.3	1186.8	1143.5
22.5°	2091.7	1959.0	1827.6	1700.4	1571.8	1456.3	1358.2	1281.8	1210.3	1159.8	1113.8
25°	2137.9	1979.1	1847.2	1698.1	1554.5	1434.9	1324.9	1238.3	1166.9	1107.8	1060.4
27.5°	2177.5	1977.8	1821.2	1660.8	1527.2	1407.3	1290.0	1197.1	1121.3	1057.0	1009.0
30°	2203.8	1980.5	1794.3	1635.6	1500.9	1377.2	1263.0	1169.6	1089.9	1024.6	979.3
32.5°	2220.4	1978.8	1769.6	1600.3	1459.1	1349.7	1234.0	1137.2	1055.3	991.1	947.4
35°	2230.0	1966.8	1727.0	1527.6	1391.6	1285.1	1188.2	1087.8	1002.0	942.2	892.7
37.5°	2210.7	1941.4	1677.5	1457.5	1308.6	1203.7	1122.2	1036.7	954.5	888.7	846.1
40°	2180.5	1924.9	1639.0	1408.1	1251.4	1150.3	1081.0	997.1	916.0	853.5	813.6
42.5°	2122.7	1891.3	1596.7	1353.1	1192.0	1091.0	1027.1	957.0	880.3	821.6	781.7
45°	1981.9	1818.4	1533.2	1270.6	1104.3	999.9	943.5	892.7	823.2	766.2	731.8
47.5°	1786.5	1708.5	1441.4	1183.7	1012.8	912.3	853.7	812.8	762.1	716.1	683.1
50°	1650.6	1618.4	1379.2	1124.3	951.8	853.5	797.2	760.0	723.7	677.6	647.3
52.5°	1494.0	1513.9	1306.7	1062.7	889.7	793.0	740.0	710.5	677.4	639.6	613.3
55°	1273.4	1345.5	1181.3	959.4	797.2	705.1	654.9	628.7	609.6	581.4	558.7
57.5°	1066.8	1158.6	1045.8	852.8	706.3	626.8	578.8	550.3	538.0	523.2	505.3
60°	944.2	1034.9	949.1	781.3	645.3	569.7	527.0	503.0	490.7	480.4	465.2
62.5°	834.9	926.7	854.4	708.8	585.3	515.2	478.2	454.6	445.0	439.7	426.8
65°	684.5	763.5	715.4	595.8	499.6	437.8	404.0	387.6	378.7	376.6	368.3
67.5°	557.0	617.2	582.2	494.2	418.5	365.1	336.5	322.4	315.6	314.9	308.7
70°	473.5	529.9	503.0	423.3	358.0	316.1	291.3	279.0	274.9	274.2	270.7
72.5°	408.6	447.9	426.6	360.1	309.6	271.6	253.5	240.5	235.8	236.8	234.5
75°	302.4	331.9	319.5	273.5	233.0	208.2	193.1	184.9	180.8	182.8	180.1
77.5°	217.5	236.3	225.1	193.3	168.2	150.4	139.3	134.1	130.5	130.3	129.1
80°	164.2	175.2	169.1	149.8	129.2	114.1	105.1	101.7	99.7	99.0	98.3
82.5°	116.9	126.3	119.1	105.8	91.8	82.7	77.7	73.1	71.6	72.0	71.3
85°	59.1	62.5	59.8	51.5	46.0	41.9	39.2	37.1	35.7	36.5	35.0
87.5°	23.0	23.1	21.1	18.5	17.1	15.1	14.7	13.3	12.6	12.9	12.7
90°	13.5	11.4	9.3	7.4	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	15.8	14.1	12.5	12.0	12.4	12.9	13.3	13.8	13.3	12.9	12.4
95°	19.4	17.6	15.8	18.3	25.0	31.8	38.6	45.3	38.6	31.8	25.0
97.5°	47.7	59.6	71.5	79.0	82.0	85.0	88.1	91.1	88.1	85.0	82.0
100°	76.0	101.8	127.5	138.8	135.5	132.2	128.9	125.6	128.9	132.2	135.5
102.5°	105.1	133.3	161.5	174.3	172.0	169.6	167.2	164.8	167.2	169.6	172.0
105°	192.5	207.3	222.2	228.7	226.9	225.1	223.3	221.5	223.3	225.1	226.9
107.5°	293.6	291.2	288.9	287.0	285.6	284.1	282.7	281.1	282.7	284.1	285.6
110°	331.5	329.7	327.9	326.3	325.0	323.7	322.3	321.0	322.3	323.7	325.0



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	369.0	367.2	365.4	363.9	362.6	361.4	360.2	359.1	360.2	361.4	362.6
115°	423.5	422.1	420.6	419.4	418.4	417.4	416.4	415.4	416.4	417.4	418.4
117.5°	477.4	476.6	475.8	474.8	473.6	472.4	471.2	470.0	471.2	472.4	473.6
120°	511.8	511.3	510.8	509.8	508.3	506.9	505.3	503.8	505.3	506.9	508.3
122.5°	545.4	544.7	544.1	543.2	542.0	540.8	539.6	538.4	539.6	540.8	542.0
125°	593.2	592.5	591.9	590.9	589.6	588.2	586.9	585.6	586.9	588.2	589.6
127.5°	639.2	638.5	637.7	636.6	635.3	634.0	632.7	631.4	632.7	634.0	635.3
130°	667.5	666.8	666.2	665.2	663.9	662.6	661.3	659.8	661.3	662.6	663.9
132.5°	694.5	694.0	693.5	692.6	691.2	689.8	688.5	687.2	688.5	689.8	691.2
135°	735.1	734.5	733.8	733.0	732.0	730.9	730.0	729.0	730.0	730.9	732.0
137.5°	771.2	770.8	770.5	769.7	768.4	767.2	765.9	764.7	765.9	767.2	768.4
140°	794.2	793.7	793.1	792.4	791.4	790.4	789.4	788.4	789.4	790.4	791.4
142.5°	816.2	815.7	815.2	814.5	813.4	812.4	811.4	810.4	811.4	812.4	813.4
145°	847.3	846.9	846.6	845.9	844.7	843.5	842.3	841.2	842.3	843.5	844.7
147.5°	874.4	874.1	873.7	873.2	872.4	871.7	870.9	870.2	870.9	871.7	872.4
150°	891.1	890.8	890.4	890.0	889.5	889.0	888.5	888.1	888.5	889.0	889.5
152.5°	905.6	905.4	905.2	905.0	904.7	904.5	904.3	904.0	904.3	904.5	904.7
155°	925.6	925.4	925.2	925.3	925.6	926.0	926.3	926.7	926.3	926.0	925.6
157.5°	943.6	943.8	944.0	944.1	944.1	944.1	944.2	944.2	944.2	944.1	944.1
160°	953.7	953.9	954.1	954.2	954.4	954.6	954.7	954.9	954.7	954.6	954.4
162.5°	962.7	962.8	963.0	963.3	963.7	964.1	964.6	965.0	964.6	964.1	963.7
165°	974.5	974.7	974.9	975.2	975.7	976.2	976.7	977.2	976.7	976.2	975.7
167.5°	983.7	983.7	983.7	984.1	984.7	985.4	986.0	986.7	986.0	985.4	984.7
170°	989.1	989.1	989.1	989.5	990.1	990.8	991.4	992.1	991.4	990.8	990.1
172.5°	992.4	992.3	992.1	992.5	993.3	994.0	994.8	995.6	994.8	994.0	993.3
175°	996.9	996.7	996.6	996.9	997.7	998.6	999.4	1000.3	999.4	998.6	997.7
177.5°	998.8	998.7	998.6	998.8	999.5	1000.1	1000.8	1001.4	1000.8	1000.1	999.5
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4
2.5°	1394.7	1390.9	1385.4	1377.2	1370.6	1360.1	1360.1	1361.8	1361.8	1361.2	1360.1
5°	1352.4	1342.1	1329.8	1315.3	1300.2	1285.1	1282.3	1276.9	1272.7	1269.9	1266.5
7.5°	1307.8	1289.5	1271.4	1251.2	1232.8	1217.6	1207.0	1198.2	1192.5	1186.5	1182.1
10°	1277.5	1254.9	1233.6	1212.2	1188.8	1170.3	1158.6	1150.3	1144.2	1138.7	1136.0
12.5°	1241.7	1215.8	1192.3	1172.0	1146.5	1127.4	1116.3	1112.5	1105.2	1093.6	1087.5
15°	1189.5	1165.5	1137.3	1106.4	1094.0	1070.7	1057.6	1051.5	1047.3	1038.3	1035.6
17.5°	1144.9	1113.4	1081.8	1058.7	1035.7	1016.8	1009.5	1001.8	996.3	989.1	986.8
20°	1109.1	1081.0	1052.1	1027.3	1003.3	982.7	976.5	971.0	965.5	962.1	959.4
22.5°	1072.9	1044.7	1020.8	997.6	972.0	958.5	951.8	945.7	941.9	939.6	936.8
25°	1021.9	997.1	970.4	949.7	929.1	920.2	916.0	912.6	909.9	906.5	905.7
27.5°	976.2	949.3	927.6	908.4	893.5	886.1	882.1	880.4	881.0	882.2	883.0
30°	942.2	917.5	899.6	883.0	869.3	862.4	861.7	861.7	864.5	865.2	866.6
32.5°	910.8	890.5	872.6	856.7	846.3	841.5	844.1	844.1	846.4	848.2	850.6
35°	865.2	847.3	833.5	819.8	810.9	812.9	814.4	815.7	819.1	823.2	826.1
37.5°	821.6	806.1	791.8	781.0	777.0	780.6	784.0	786.9	790.8	794.0	796.8
40°	790.3	778.6	764.9	755.3	756.6	758.7	761.4	764.9	768.3	770.3	773.2
42.5°	761.1	748.9	738.5	730.5	732.5	735.1	736.7	738.5	742.5	746.2	747.8
45°	716.8	707.1	697.5	692.7	694.1	695.5	696.8	698.9	702.4	705.1	705.8
47.5°	666.8	660.1	653.7	649.0	651.2	650.7	652.5	656.8	657.9	659.5	663.4
50°	635.0	628.7	621.3	619.9	619.9	619.9	620.6	626.0	626.0	628.7	631.6
52.5°	599.8	595.8	591.0	588.5	587.4	587.4	590.3	593.1	594.2	598.0	600.8
55°	547.8	543.6	539.5	537.3	536.0	537.3	542.9	544.2	547.8	549.8	551.8
57.5°	493.4	490.3	487.0	485.8	485.5	487.4	490.4	494.5	495.3	501.7	504.8
60°	457.7	452.8	450.1	450.1	448.8	454.9	453.5	460.4	461.8	466.0	470.7
62.5°	420.8	414.3	413.2	413.2	415.3	417.0	418.9	421.9	425.6	430.7	434.4
65°	361.4	358.0	362.8	362.1	360.8	364.9	364.9	368.3	372.4	377.3	384.9
67.5°	305.3	303.5	303.9	303.9	306.0	308.3	310.2	313.3	318.2	323.3	328.2
70°	267.3	269.4	266.0	268.7	270.7	271.5	272.9	276.9	282.5	285.9	291.3
72.5°	230.5	230.4	230.8	231.9	233.9	235.2	236.5	241.3	247.2	250.1	254.6
75°	177.3	176.6	178.6	178.6	182.1	183.5	184.9	186.9	192.4	196.5	200.0
77.5°	129.5	130.3	129.9	132.2	131.3	131.5	135.8	137.8	138.5	146.5	148.3
80°	97.6	99.0	99.7	100.4	101.0	99.7	104.4	106.5	106.5	111.3	114.7
82.5°	70.1	70.9	72.7	73.4	73.5	74.9	75.3	76.9	78.5	80.6	85.0
85°	35.0	37.1	37.8	37.1	37.8	36.5	38.5	39.2	39.9	39.9	39.9
87.5°	12.4	13.4	13.2	14.2	14.1	15.1	15.2	14.2	14.4	16.2	14.1
90°	7.4	9.3	11.4	13.5	15.7	17.9	18.5	19.2	19.8	20.5	21.0
92.5°	12.0	12.5	14.1	15.8	17.4	19.0	20.1	21.1	22.2	23.2	23.8
95°	18.3	15.8	17.6	19.4	21.2	23.0	24.2	25.3	26.5	27.7	28.3
97.5°	79.0	71.5	59.6	47.7	35.9	23.9	25.2	26.6	27.9	29.2	30.0
100°	138.8	127.5	101.8	76.0	50.3	24.5	25.9	27.2	28.5	29.8	30.6
102.5°	174.3	161.5	133.3	105.1	77.1	48.9	44.8	40.7	36.7	32.5	30.6
105°	228.7	222.2	207.3	192.5	177.6	162.8	133.5	104.3	75.0	45.8	31.4
107.5°	287.0	288.9	291.2	293.6	296.0	298.3	276.8	255.4	234.0	212.6	190.9
110°	326.3	327.9	329.7	331.5	333.4	335.2	329.7	324.3	318.8	313.4	298.8



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	363.9	365.4	367.2	369.0	370.8	372.6	372.7	372.8	372.9	373.0	370.5
115°	419.4	420.6	422.1	423.5	425.1	426.6	428.2	429.9	431.5	433.1	434.3
117.5°	474.8	475.8	476.6	477.4	478.1	478.9	480.2	481.5	482.8	484.1	484.8
120°	509.8	510.8	511.3	511.8	512.3	512.7	514.1	515.4	516.7	518.1	518.7
122.5°	543.2	544.1	544.7	545.4	546.0	546.6	547.5	548.5	549.4	550.4	550.9
125°	590.9	591.9	592.5	593.2	593.8	594.5	594.8	595.1	595.5	595.8	596.1
127.5°	636.6	637.7	638.5	639.2	640.1	640.9	641.4	642.0	642.5	643.0	643.1
130°	665.2	666.2	666.8	667.5	668.1	668.8	669.4	670.1	670.8	671.5	671.7
132.5°	692.6	693.5	694.0	694.5	695.0	695.6	696.2	696.9	697.5	698.2	698.3
135°	733.0	733.8	734.5	735.1	735.8	736.4	736.9	737.4	737.9	738.4	738.4
137.5°	769.7	770.5	770.8	771.2	771.6	771.9	772.7	773.6	774.4	775.2	775.4
140°	792.4	793.1	793.7	794.2	794.7	795.2	795.8	796.5	797.1	797.8	798.0
142.5°	814.5	815.2	815.7	816.2	816.7	817.2	817.7	818.2	818.7	819.2	819.3
145°	845.9	846.6	846.9	847.3	847.6	847.9	848.2	848.6	848.9	849.2	849.4
147.5°	873.2	873.7	874.1	874.4	874.7	875.0	875.5	875.8	876.1	876.5	876.2
150°	890.0	890.4	890.8	891.1	891.4	891.7	892.1	892.4	892.7	893.0	893.0
152.5°	905.0	905.2	905.4	905.6	905.8	906.1	906.6	907.2	907.8	908.4	908.3
155°	925.3	925.2	925.4	925.6	925.7	925.9	926.8	927.6	928.4	929.3	929.2
157.5°	944.1	944.0	943.8	943.6	943.5	943.3	944.3	945.3	946.2	947.3	947.2
160°	954.2	954.1	953.9	953.7	953.6	953.4	954.4	955.4	956.4	957.4	957.4
162.5°	963.3	963.0	962.8	962.7	962.5	962.3	963.5	964.6	965.7	966.8	966.8
165°	975.2	974.9	974.7	974.5	974.4	974.2	975.5	976.8	978.2	979.5	979.6
167.5°	984.1	983.7	983.7	983.7	983.7	983.7	985.0	986.3	987.7	989.1	989.1
170°	989.5	989.1	989.1	989.1	989.1	989.1	990.4	991.7	993.1	994.4	994.4
172.5°	992.5	992.1	992.3	992.4	992.5	992.7	994.0	995.3	996.6	997.9	997.8
175°	996.9	996.6	996.7	996.9	997.1	997.2	998.5	999.6	1000.8	1001.9	1001.8
177.5°	998.8	998.6	998.7	998.8	999.0	999.1	1000.1	1001.2	1002.2	1003.3	1003.1
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4
2.5°	1356.2	1355.7	1359.6	1356.9	1359.6	1355.7	1356.2	1360.1	1361.2	1361.8	1361.8
5°	1262.4	1264.5	1257.6	1257.6	1257.6	1264.5	1262.4	1266.5	1269.9	1272.7	1276.9
7.5°	1178.8	1175.8	1176.1	1172.4	1176.1	1175.8	1178.8	1182.1	1186.5	1192.5	1198.2
10°	1127.7	1123.6	1122.2	1122.9	1122.2	1123.6	1127.7	1136.0	1138.7	1144.2	1150.3
12.5°	1085.4	1084.6	1075.5	1075.6	1075.5	1084.6	1085.4	1087.5	1093.6	1105.2	1112.5
15°	1035.6	1022.6	1021.2	1025.3	1021.2	1022.6	1035.6	1035.6	1038.3	1047.3	1051.5
17.5°	985.7	978.9	979.3	977.2	979.3	978.9	985.7	986.8	989.1	996.3	1001.8
20°	959.4	955.2	954.5	949.7	954.5	955.2	959.4	959.4	962.1	965.5	971.0
22.5°	935.1	933.8	934.2	928.9	934.2	933.8	935.1	936.8	939.6	941.9	945.7
25°	905.0	908.5	905.7	905.7	905.7	908.5	905.0	905.7	906.5	909.9	912.6
27.5°	884.7	884.5	883.2	883.2	883.2	884.5	884.7	883.0	882.2	881.0	880.4
30°	869.3	868.6	870.0	870.0	870.0	868.6	869.3	866.6	865.2	864.5	861.7
32.5°	853.9	854.9	855.2	855.7	855.2	854.9	853.9	850.6	848.2	846.4	844.1
35°	830.1	830.8	832.9	831.5	832.9	830.8	830.1	826.1	823.2	819.1	815.7
37.5°	798.0	801.1	800.4	801.5	800.4	801.1	798.0	796.8	794.0	790.8	786.9
40°	773.8	775.9	775.2	775.2	775.2	775.9	773.8	773.2	770.3	768.3	764.9
42.5°	749.0	750.5	748.8	747.7	748.8	750.5	749.0	747.8	746.2	742.5	738.5
45°	708.5	707.1	709.2	706.4	709.2	707.1	708.5	705.8	705.1	702.4	698.9
47.5°	663.2	664.5	665.1	667.1	665.1	664.5	663.2	663.4	659.5	657.9	656.8
50°	632.9	637.0	637.0	636.3	637.0	637.0	632.9	631.6	628.7	626.0	626.0
52.5°	603.2	605.1	607.9	607.7	607.9	605.1	603.2	600.8	598.0	594.2	593.1
55°	557.3	558.7	560.1	560.8	560.1	558.7	557.3	551.8	549.8	547.8	544.2
57.5°	509.8	509.2	512.5	513.5	512.5	509.2	509.8	504.8	501.7	495.3	494.5
60°	476.3	476.3	481.7	483.8	481.7	476.3	476.3	470.7	466.0	461.8	460.4
62.5°	440.5	442.7	448.2	445.4	448.2	442.7	440.5	434.4	430.7	425.6	421.9
65°	388.3	393.7	393.0	395.9	393.0	393.7	388.3	384.9	377.3	372.4	368.3
67.5°	333.7	337.1	342.0	342.5	342.0	337.1	333.7	328.2	323.3	318.2	313.3
70°	296.9	300.3	303.1	305.1	303.1	300.3	296.9	291.3	285.9	282.5	276.9
72.5°	261.2	263.0	269.5	266.6	269.5	263.0	261.2	254.6	250.1	247.2	241.3
75°	204.8	209.5	213.7	211.7	213.7	209.5	204.8	200.0	196.5	192.4	186.9
77.5°	151.5	156.2	158.1	156.4	158.1	156.2	151.5	148.3	146.5	138.5	137.8
80°	119.6	118.9	123.0	122.3	123.0	118.9	119.6	114.7	111.3	106.5	106.5
82.5°	87.7	87.1	89.0	89.4	89.0	87.1	87.7	85.0	80.6	78.5	76.9
85°	42.6	44.6	41.9	41.2	41.9	44.6	42.6	39.9	39.9	39.9	39.2
87.5°	14.1	14.2	13.7	13.2	13.7	14.2	14.1	14.1	16.2	14.4	14.2
90°	21.3	21.6	21.9	22.3	21.9	21.6	21.3	21.0	20.5	19.8	19.2
92.5°	24.0	24.2	24.4	24.6	24.4	24.2	24.0	23.8	23.2	22.2	21.1
95°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	27.7	26.5	25.3
97.5°	30.1	30.3	30.5	30.6	30.5	30.3	30.1	30.0	29.2	27.9	26.6
100°	30.7	30.9	31.0	31.2	31.0	30.9	30.7	30.6	29.8	28.5	27.2
102.5°	30.9	31.2	31.5	31.8	31.5	31.2	30.9	30.6	32.5	36.7	40.7
105°	31.7	32.0	32.4	32.7	32.4	32.0	31.7	31.4	45.8	75.0	104.3
107.5°	168.7	146.7	124.7	102.7	124.7	146.7	168.7	190.9	212.6	234.0	255.4
110°	275.2	251.6	227.9	204.4	227.9	251.6	275.2	298.8	313.4	318.8	324.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	365.6	360.6	355.6	350.6	355.6	360.6	365.6	370.5	373.0	372.9	372.8
115°	434.9	435.7	436.3	437.0	436.3	435.7	434.9	434.3	433.1	431.5	429.9
117.5°	485.0	485.1	485.2	485.4	485.2	485.1	485.0	484.8	484.1	482.8	481.5
120°	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.1	516.7	515.4
122.5°	551.0	551.1	551.3	551.4	551.3	551.1	551.0	550.9	550.4	549.4	548.5
125°	596.5	596.8	597.1	597.4	597.1	596.8	596.5	596.1	595.8	595.5	595.1
127.5°	642.8	642.4	642.1	641.8	642.1	642.4	642.8	643.1	643.0	642.5	642.0
130°	671.3	671.0	670.7	670.2	670.7	671.0	671.3	671.7	671.5	670.8	670.1
132.5°	697.8	697.4	696.9	696.4	696.9	697.4	697.8	698.3	698.2	697.5	696.9
135°	737.9	737.4	736.9	736.4	736.9	737.4	737.9	738.4	738.4	737.9	737.4
137.5°	775.1	774.7	774.4	774.1	774.4	774.7	775.1	775.4	775.2	774.4	773.6
140°	797.6	797.3	797.0	796.6	797.0	797.3	797.6	798.0	797.8	797.1	796.5
142.5°	818.8	818.4	817.9	817.4	817.9	818.4	818.8	819.3	819.2	818.7	818.2
145°	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.2	848.9	848.6
147.5°	875.5	874.6	873.9	873.1	873.9	874.6	875.5	876.2	876.5	876.1	875.8
150°	892.5	892.0	891.5	891.0	891.5	892.0	892.5	893.0	893.0	892.7	892.4
152.5°	907.6	906.8	906.1	905.2	906.1	906.8	907.6	908.3	908.4	907.8	907.2
155°	928.2	927.2	926.1	925.1	926.1	927.2	928.2	929.2	929.3	928.4	927.6
157.5°	945.8	944.5	943.3	942.0	943.3	944.5	945.8	947.2	947.3	946.2	945.3
160°	956.1	955.0	953.8	952.7	953.8	955.0	956.1	957.4	957.4	956.4	955.4
162.5°	965.8	964.8	963.8	962.8	963.8	964.8	965.8	966.8	966.8	965.7	964.6
165°	978.5	977.2	976.1	974.9	976.1	977.2	978.5	979.6	979.5	978.2	976.8
167.5°	987.7	986.3	985.0	983.7	985.0	986.3	987.7	989.1	989.1	987.7	986.3
170°	993.1	991.7	990.4	989.1	990.4	991.7	993.1	994.4	994.4	993.1	991.7
172.5°	996.4	995.0	993.5	992.1	993.5	995.0	996.4	997.8	997.9	996.6	995.3
175°	1000.5	999.2	997.8	996.5	997.8	999.2	1000.5	1001.8	1001.9	1000.8	999.6
177.5°	1001.8	1000.5	999.2	997.8	999.2	1000.5	1001.8	1003.1	1003.3	1002.2	1001.2
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4
2.5°	1360.1	1360.1	1370.6	1377.2	1385.4	1390.9	1394.7	1398.6	1405.2	1414.0	1423.9
5°	1282.3	1285.1	1300.2	1315.3	1329.8	1342.1	1352.4	1364.8	1379.9	1398.5	1419.1
7.5°	1207.0	1217.6	1232.8	1251.2	1271.4	1289.5	1307.8	1328.1	1349.4	1376.7	1405.6
10°	1158.6	1170.3	1188.8	1212.2	1233.6	1254.9	1277.5	1299.5	1326.3	1358.6	1395.7
12.5°	1116.3	1127.4	1146.5	1172.0	1192.3	1215.8	1241.7	1270.4	1300.5	1339.4	1381.4
15°	1057.6	1070.7	1094.0	1106.4	1137.3	1165.5	1189.5	1230.8	1269.3	1309.1	1358.0
17.5°	1009.5	1016.8	1035.7	1058.7	1081.8	1113.4	1144.9	1179.2	1217.6	1266.4	1327.4
20°	976.5	982.7	1003.3	1027.3	1052.1	1081.0	1109.1	1143.5	1186.8	1238.3	1304.3
22.5°	951.8	958.5	972.0	997.6	1020.8	1044.7	1072.9	1113.8	1159.8	1210.3	1281.8
25°	916.0	920.2	929.1	949.7	970.4	997.1	1021.9	1060.4	1107.8	1166.9	1238.3
27.5°	882.1	886.1	893.5	908.4	927.6	949.3	976.2	1009.0	1057.0	1121.3	1197.1
30°	861.7	862.4	869.3	883.0	899.6	917.5	942.2	979.3	1024.6	1089.9	1169.6
32.5°	844.1	841.5	846.3	856.7	872.6	890.5	910.8	947.4	991.1	1055.3	1137.2
35°	814.4	812.9	810.9	819.8	833.5	847.3	865.2	892.7	942.2	1002.0	1087.8
37.5°	784.0	780.6	777.0	781.0	791.8	806.1	821.6	846.1	888.7	954.5	1036.7
40°	761.4	758.7	756.6	755.3	764.9	778.6	790.3	813.6	853.5	916.0	997.1
42.5°	736.7	735.1	732.5	730.5	738.5	748.9	761.1	781.7	821.6	880.3	957.0
45°	696.8	695.5	694.1	692.7	697.5	707.1	716.8	731.8	766.2	823.2	892.7
47.5°	652.5	650.7	651.2	649.0	653.7	660.1	666.8	683.1	716.1	762.1	812.8
50°	620.6	619.9	619.9	619.9	621.3	628.7	635.0	647.3	677.6	723.7	760.0
52.5°	590.3	587.4	587.4	588.5	591.0	595.8	599.8	613.3	639.6	677.4	710.5
55°	542.9	537.3	536.0	537.3	539.5	543.6	547.8	558.7	581.4	609.6	628.7
57.5°	490.4	487.4	485.5	485.8	487.0	490.3	493.4	505.3	523.2	538.0	550.3
60°	453.5	454.9	448.8	450.1	450.1	452.8	457.7	465.2	480.4	490.7	503.0
62.5°	418.9	417.0	415.3	413.2	413.2	414.3	420.8	426.8	439.7	445.0	454.6
65°	364.9	364.9	360.8	362.1	362.8	358.0	361.4	368.3	376.6	378.7	387.6
67.5°	310.2	308.3	306.0	303.9	303.9	303.5	305.3	308.7	314.9	315.6	322.4
70°	272.9	271.5	270.7	268.7	266.0	269.4	267.3	270.7	274.2	274.9	279.0
72.5°	236.5	235.2	233.9	231.9	230.8	230.4	230.5	234.5	236.8	235.8	240.5
75°	184.9	183.5	182.1	178.6	178.6	176.6	177.3	180.1	182.8	180.8	184.9
77.5°	135.8	131.5	131.3	132.2	129.9	130.3	129.5	129.1	130.3	130.5	134.1
80°	104.4	99.7	101.0	100.4	99.7	99.0	97.6	98.3	99.0	99.7	101.7
82.5°	75.3	74.9	73.5	73.4	72.7	70.9	70.1	71.3	72.0	71.6	73.1
85°	38.5	36.5	37.8	37.1	37.8	37.1	35.0	35.0	36.5	35.7	37.1
87.5°	15.2	15.1	14.1	14.2	13.2	13.4	12.4	12.7	12.9	12.6	13.3
90°	18.5	17.9	15.7	13.5	11.4	9.3	7.4	5.7	4.0	2.4	0.7
92.5°	20.1	19.0	17.4	15.8	14.1	12.5	12.0	12.4	12.9	13.3	13.8
95°	24.2	23.0	21.2	19.4	17.6	15.8	18.3	25.0	31.8	38.6	45.3
97.5°	25.2	23.9	35.9	47.7	59.6	71.5	79.0	82.0	85.0	88.1	91.1
100°	25.9	24.5	50.3	76.0	101.8	127.5	138.8	135.5	132.2	128.9	125.6
102.5°	44.8	48.9	77.1	105.1	133.3	161.5	174.3	172.0	169.6	167.2	164.8
105°	133.5	162.8	177.6	192.5	207.3	222.2	228.7	226.9	225.1	223.3	221.5
107.5°	276.8	298.3	296.0	293.6	291.2	288.9	287.0	285.6	284.1	282.7	281.1
110°	329.7	335.2	333.4	331.5	329.7	327.9	326.3	325.0	323.7	322.3	321.0



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	372.7	372.6	370.8	369.0	367.2	365.4	363.9	362.6	361.4	360.2	359.1
115°	428.2	426.6	425.1	423.5	422.1	420.6	419.4	418.4	417.4	416.4	415.4
117.5°	480.2	478.9	478.1	477.4	476.6	475.8	474.8	473.6	472.4	471.2	470.0
120°	514.1	512.7	512.3	511.8	511.3	510.8	509.8	508.3	506.9	505.3	503.8
122.5°	547.5	546.6	546.0	545.4	544.7	544.1	543.2	542.0	540.8	539.6	538.4
125°	594.8	594.5	593.8	593.2	592.5	591.9	590.9	589.6	588.2	586.9	585.6
127.5°	641.4	640.9	640.1	639.2	638.5	637.7	636.6	635.3	634.0	632.7	631.4
130°	669.4	668.8	668.1	667.5	666.8	666.2	665.2	663.9	662.6	661.3	659.8
132.5°	696.2	695.6	695.0	694.5	694.0	693.5	692.6	691.2	689.8	688.5	687.2
135°	736.9	736.4	735.8	735.1	734.5	733.8	733.0	732.0	730.9	730.0	729.0
137.5°	772.7	771.9	771.6	771.2	770.8	770.5	769.7	768.4	767.2	765.9	764.7
140°	795.8	795.2	794.7	794.2	793.7	793.1	792.4	791.4	790.4	789.4	788.4
142.5°	817.7	817.2	816.7	816.2	815.7	815.2	814.5	813.4	812.4	811.4	810.4
145°	848.2	847.9	847.6	847.3	846.9	846.6	845.9	844.7	843.5	842.3	841.2
147.5°	875.5	875.0	874.7	874.4	874.1	873.7	873.2	872.4	871.7	870.9	870.2
150°	892.1	891.7	891.4	891.1	890.8	890.4	890.0	889.5	889.0	888.5	888.1
152.5°	906.6	906.1	905.8	905.6	905.4	905.2	905.0	904.7	904.5	904.3	904.0
155°	926.8	925.9	925.7	925.6	925.4	925.2	925.3	925.6	926.0	926.3	926.7
157.5°	944.3	943.3	943.5	943.6	943.8	944.0	944.1	944.1	944.1	944.2	944.2
160°	954.4	953.4	953.6	953.7	953.9	954.1	954.2	954.4	954.6	954.7	954.9
162.5°	963.5	962.3	962.5	962.7	962.8	963.0	963.3	963.7	964.1	964.6	965.0
165°	975.5	974.2	974.4	974.5	974.7	974.9	975.2	975.7	976.2	976.7	977.2
167.5°	985.0	983.7	983.7	983.7	983.7	983.7	984.1	984.7	985.4	986.0	986.7
170°	990.4	989.1	989.1	989.1	989.1	989.1	989.5	990.1	990.8	991.4	992.1
172.5°	994.0	992.7	992.5	992.4	992.3	992.1	992.5	993.3	994.0	994.8	995.6
175°	998.5	997.2	997.1	996.9	996.7	996.6	996.9	997.7	998.6	999.4	1000.3
177.5°	1000.1	999.1	999.0	998.8	998.7	998.6	998.8	999.5	1000.1	1000.8	1001.4
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4
2.5°	1427.1	1430.0	1439.3	1445.9	1453.6	1457.9	1462.4	1465.7	1470.1	1471.2	1487.1
5°	1433.5	1447.2	1471.3	1489.1	1511.2	1535.2	1551.7	1559.2	1579.2	1595.7	1628.7
7.5°	1431.7	1461.0	1497.3	1534.9	1575.4	1612.8	1645.2	1683.6	1711.0	1752.1	1792.6
10°	1430.1	1469.3	1516.0	1564.1	1620.4	1672.6	1719.4	1771.6	1814.9	1872.0	1920.8
12.5°	1425.1	1472.6	1537.4	1594.3	1662.7	1734.7	1804.0	1871.1	1909.5	2004.5	2049.4
15°	1412.9	1469.3	1550.3	1636.9	1731.1	1816.2	1904.2	1974.4	2087.7	2170.9	2223.8
17.5°	1389.6	1468.4	1564.6	1669.1	1783.5	1895.8	1995.5	2101.9	2222.1	2322.8	2429.9
20°	1378.6	1465.1	1572.4	1687.8	1806.6	1933.8	2047.2	2175.0	2306.2	2405.2	2542.6
22.5°	1358.2	1456.3	1571.8	1700.4	1827.6	1959.0	2091.7	2220.6	2372.3	2508.6	2639.4
25°	1324.9	1434.9	1554.5	1698.1	1847.2	1979.1	2137.9	2309.1	2467.1	2642.3	2772.9
27.5°	1290.0	1407.3	1527.2	1660.8	1821.2	1977.8	2177.5	2370.9	2564.0	2715.4	2812.1
30°	1263.0	1377.2	1500.9	1635.6	1794.3	1980.5	2203.8	2414.8	2603.1	2733.0	2787.3
32.5°	1234.0	1349.7	1459.1	1600.3	1769.6	1978.8	2220.4	2440.6	2605.4	2691.8	2681.2
35°	1188.2	1285.1	1391.6	1527.6	1727.0	1966.8	2230.0	2443.0	2544.1	2525.5	2385.3
37.5°	1122.2	1203.7	1308.6	1457.5	1677.5	1941.4	2210.7	2370.6	2364.0	2212.9	2009.8
40°	1081.0	1150.3	1251.4	1408.1	1639.0	1924.9	2180.5	2284.3	2196.4	1985.3	1742.0
42.5°	1027.1	1091.0	1192.0	1353.1	1596.7	1891.3	2122.7	2152.8	1980.7	1738.0	1515.0
45°	943.5	999.9	1104.3	1270.6	1533.2	1818.4	1981.9	1908.3	1676.8	1425.9	1256.2
47.5°	853.7	912.3	1012.8	1183.7	1441.4	1708.5	1786.5	1630.0	1392.3	1188.8	1033.0
50°	797.2	853.5	951.8	1124.3	1379.2	1618.4	1650.6	1448.7	1230.1	1051.5	923.6
52.5°	740.0	793.0	889.7	1062.7	1306.7	1513.9	1494.0	1288.1	1087.1	934.8	834.6
55°	654.9	705.1	797.2	959.4	1181.3	1345.5	1273.4	1076.8	910.6	792.3	716.1
57.5°	578.8	626.8	706.3	852.8	1045.8	1158.6	1066.8	901.2	769.0	678.0	621.1
60°	527.0	569.7	645.3	781.3	949.1	1034.9	944.2	797.9	686.5	613.7	562.8
62.5°	478.2	515.2	585.3	708.8	854.4	926.7	834.9	710.9	616.1	551.6	508.4
65°	404.0	437.8	499.6	595.8	715.4	763.5	684.5	584.1	510.6	462.5	433.6
67.5°	336.5	365.1	418.5	494.2	582.2	617.2	557.0	479.4	424.0	385.4	362.4
70°	291.3	316.1	358.0	423.3	503.0	529.9	473.5	409.6	369.0	338.1	316.8
72.5°	253.5	271.6	309.6	360.1	426.6	447.9	408.6	352.4	314.6	291.3	274.5
75°	193.1	208.2	233.0	273.5	319.5	331.9	302.4	267.3	241.9	225.4	212.4
77.5°	139.3	150.4	168.2	193.3	225.1	236.3	217.5	194.2	175.6	164.5	157.2
80°	105.1	114.1	129.2	149.8	169.1	175.2	164.2	146.3	133.3	127.1	121.0
82.5°	77.7	82.7	91.8	105.8	119.1	126.3	116.9	106.2	99.3	93.6	91.3
85°	39.2	41.9	46.0	51.5	59.8	62.5	59.1	56.4	52.2	48.8	48.8
87.5°	14.7	15.1	17.1	18.5	21.1	23.1	23.0	22.4	22.2	21.8	21.4
90°	2.4	4.0	5.7	7.4	9.3	11.4	13.5	15.7	17.9	18.5	19.2
92.5°	13.3	12.9	12.4	12.0	12.5	14.1	15.8	17.4	19.0	20.1	21.1
95°	38.6	31.8	25.0	18.3	15.8	17.6	19.4	21.2	23.0	24.2	25.3
97.5°	88.1	85.0	82.0	79.0	71.5	59.6	47.7	35.9	23.9	25.2	26.6
100°	128.9	132.2	135.5	138.8	127.5	101.8	76.0	50.3	24.5	25.9	27.2
102.5°	167.2	169.6	172.0	174.3	161.5	133.3	105.1	77.1	48.9	44.8	40.7
105°	223.3	225.1	226.9	228.7	222.2	207.3	192.5	177.6	162.8	133.5	104.3
107.5°	282.7	284.1	285.6	287.0	288.9	291.2	293.6	296.0	298.3	276.8	255.4
110°	322.3	323.7	325.0	326.3	327.9	329.7	331.5	333.4	335.2	329.7	324.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	360.2	361.4	362.6	363.9	365.4	367.2	369.0	370.8	372.6	372.7	372.8
115°	416.4	417.4	418.4	419.4	420.6	422.1	423.5	425.1	426.6	428.2	429.9
117.5°	471.2	472.4	473.6	474.8	475.8	476.6	477.4	478.1	478.9	480.2	481.5
120°	505.3	506.9	508.3	509.8	510.8	511.3	511.8	512.3	512.7	514.1	515.4
122.5°	539.6	540.8	542.0	543.2	544.1	544.7	545.4	546.0	546.6	547.5	548.5
125°	586.9	588.2	589.6	590.9	591.9	592.5	593.2	593.8	594.5	594.8	595.1
127.5°	632.7	634.0	635.3	636.6	637.7	638.5	639.2	640.1	640.9	641.4	642.0
130°	661.3	662.6	663.9	665.2	666.2	666.8	667.5	668.1	668.8	669.4	670.1
132.5°	688.5	689.8	691.2	692.6	693.5	694.0	694.5	695.0	695.6	696.2	696.9
135°	730.0	730.9	732.0	733.0	733.8	734.5	735.1	735.8	736.4	736.9	737.4
137.5°	765.9	767.2	768.4	769.7	770.5	770.8	771.2	771.6	771.9	772.7	773.6
140°	789.4	790.4	791.4	792.4	793.1	793.7	794.2	794.7	795.2	795.8	796.5
142.5°	811.4	812.4	813.4	814.5	815.2	815.7	816.2	816.7	817.2	817.7	818.2
145°	842.3	843.5	844.7	845.9	846.6	846.9	847.3	847.6	847.9	848.2	848.6
147.5°	870.9	871.7	872.4	873.2	873.7	874.1	874.4	874.7	875.0	875.5	875.8
150°	888.5	889.0	889.5	890.0	890.4	890.8	891.1	891.4	891.7	892.1	892.4
152.5°	904.3	904.5	904.7	905.0	905.2	905.4	905.6	905.8	906.1	906.6	907.2
155°	926.3	926.0	925.6	925.3	925.2	925.4	925.6	925.7	925.9	926.8	927.6
157.5°	944.2	944.1	944.1	944.1	944.0	943.8	943.6	943.5	943.3	944.3	945.3
160°	954.7	954.6	954.4	954.2	954.1	953.9	953.7	953.6	953.4	954.4	955.4
162.5°	964.6	964.1	963.7	963.3	963.0	962.8	962.7	962.5	962.3	963.5	964.6
165°	976.7	976.2	975.7	975.2	974.9	974.7	974.5	974.4	974.2	975.5	976.8
167.5°	986.0	985.4	984.7	984.1	983.7	983.7	983.7	983.7	983.7	985.0	986.3
170°	991.4	990.8	990.1	989.5	989.1	989.1	989.1	989.1	989.1	990.4	991.7
172.5°	994.8	994.0	993.3	992.5	992.1	992.3	992.4	992.5	992.7	994.0	995.3
175°	999.4	998.6	997.7	996.9	996.6	996.7	996.9	997.1	997.2	998.5	999.6
177.5°	1000.8	1000.1	999.5	998.8	998.6	998.7	998.8	999.0	999.1	1000.1	1001.2
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4	1418.4
2.5°	1492.6	1493.2	1499.2	1503.6	1501.4	1504.2	1505.2
5°	1630.7	1655.5	1668.5	1678.2	1678.8	1679.5	1685.1
7.5°	1826.5	1853.1	1872.5	1901.9	1910.7	1920.8	1917.8
10°	1969.5	2008.7	2042.4	2060.2	2079.5	2107.7	2085.0
12.5°	2103.1	2172.5	2223.8	2251.6	2269.7	2275.3	2264.2
15°	2323.4	2414.2	2463.0	2461.5	2523.5	2550.2	2508.3
17.5°	2525.5	2609.2	2676.2	2710.6	2762.2	2773.6	2768.3
20°	2649.2	2740.6	2792.8	2851.9	2878.7	2902.8	2906.9
22.5°	2755.8	2837.9	2894.0	2943.2	2965.6	2977.0	2983.8
25°	2865.6	2930.2	2964.0	2981.1	2987.3	2985.9	2977.0
27.5°	2858.1	2863.1	2825.9	2789.6	2756.9	2720.3	2707.5
30°	2783.9	2726.1	2623.0	2564.7	2478.7	2410.7	2438.2
32.5°	2588.7	2473.8	2358.0	2230.4	2124.7	2094.6	2064.4
35°	2209.4	2007.3	1889.2	1751.7	1696.7	1641.7	1604.0
37.5°	1787.5	1631.1	1491.0	1401.1	1345.9	1311.2	1292.5
40°	1545.5	1404.6	1289.2	1216.4	1174.5	1135.3	1129.7
42.5°	1352.5	1221.5	1134.7	1076.7	1036.4	1019.8	1007.7
45°	1107.8	1016.3	958.0	916.8	889.9	879.6	865.9
47.5°	937.7	873.0	829.2	801.1	780.9	773.3	772.1
50°	842.5	788.9	756.6	734.6	718.8	716.1	705.1
52.5°	771.0	724.6	699.4	680.2	668.8	661.1	657.8
55°	669.3	638.4	615.7	604.7	595.8	588.2	588.2
57.5°	585.6	559.8	544.8	535.4	532.7	527.4	523.9
60°	533.9	512.0	500.3	492.0	486.6	487.3	481.0
62.5°	483.4	469.1	458.0	449.7	443.1	443.2	443.6
65°	411.6	400.6	392.4	389.6	385.6	380.7	382.1
67.5°	348.8	338.5	332.0	327.4	326.0	323.4	327.4
70°	303.8	296.2	291.3	287.2	285.9	286.6	290.0
72.5°	262.5	257.1	254.0	252.1	249.0	249.1	251.6
75°	206.1	202.1	199.2	197.2	196.5	196.5	196.5
77.5°	151.5	150.5	149.3	146.2	146.3	147.2	147.3
80°	119.6	117.5	116.8	115.4	113.4	112.0	115.4
82.5°	89.4	87.3	86.5	86.3	83.1	82.9	85.7
85°	48.1	46.0	46.8	46.0	46.0	45.3	45.3
87.5°	21.0	20.6	20.1	20.8	20.3	19.8	20.9
90°	19.8	20.5	21.0	21.3	21.6	21.9	22.3
92.5°	22.2	23.2	23.8	24.0	24.2	24.4	24.6
95°	26.5	27.7	28.3	28.3	28.3	28.3	28.3
97.5°	27.9	29.2	30.0	30.1	30.3	30.5	30.6
100°	28.5	29.8	30.6	30.7	30.9	31.0	31.2
102.5°	36.7	32.5	30.6	30.9	31.2	31.5	31.8
105°	75.0	45.8	31.4	31.7	32.0	32.4	32.7
107.5°	234.0	212.6	190.9	168.7	146.7	124.7	102.7
110°	318.8	313.4	298.8	275.2	251.6	227.9	204.4



TEST NUMBER: P332186-840

CATALOG NUMBER: S123DIW-S1000D755U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	372.9	373.0	370.5	365.6	360.6	355.6	350.6
115°	431.5	433.1	434.3	434.9	435.7	436.3	437.0
117.5°	482.8	484.1	484.8	485.0	485.1	485.2	485.4
120°	516.7	518.1	518.7	518.7	518.7	518.7	518.7
122.5°	549.4	550.4	550.9	551.0	551.1	551.3	551.4
125°	595.5	595.8	596.1	596.5	596.8	597.1	597.4
127.5°	642.5	643.0	643.1	642.8	642.4	642.1	641.8
130°	670.8	671.5	671.7	671.3	671.0	670.7	670.2
132.5°	697.5	698.2	698.3	697.8	697.4	696.9	696.4
135°	737.9	738.4	738.4	737.9	737.4	736.9	736.4
137.5°	774.4	775.2	775.4	775.1	774.7	774.4	774.1
140°	797.1	797.8	798.0	797.6	797.3	797.0	796.6
142.5°	818.7	819.2	819.3	818.8	818.4	817.9	817.4
145°	848.9	849.2	849.4	849.4	849.4	849.4	849.4
147.5°	876.1	876.5	876.2	875.5	874.6	873.9	873.1
150°	892.7	893.0	893.0	892.5	892.0	891.5	891.0
152.5°	907.8	908.4	908.3	907.6	906.8	906.1	905.2
155°	928.4	929.3	929.2	928.2	927.2	926.1	925.1
157.5°	946.2	947.3	947.2	945.8	944.5	943.3	942.0
160°	956.4	957.4	957.4	956.1	955.0	953.8	952.7
162.5°	965.7	966.8	966.8	965.8	964.8	963.8	962.8
165°	978.2	979.5	979.6	978.5	977.2	976.1	974.9
167.5°	987.7	989.1	989.1	987.7	986.3	985.0	983.7
170°	993.1	994.4	994.4	993.1	991.7	990.4	989.1
172.5°	996.6	997.9	997.8	996.4	995.0	993.5	992.1
175°	1000.8	1001.9	1001.8	1000.5	999.2	997.8	996.5
177.5°	1002.2	1003.3	1003.1	1001.8	1000.5	999.2	997.8
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3

(END OF REPORT)