

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: P333223-840

Luminaire Tested: **S125DIP-S850D810U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333223-840
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: S125DIP-S850D810U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6760.0 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

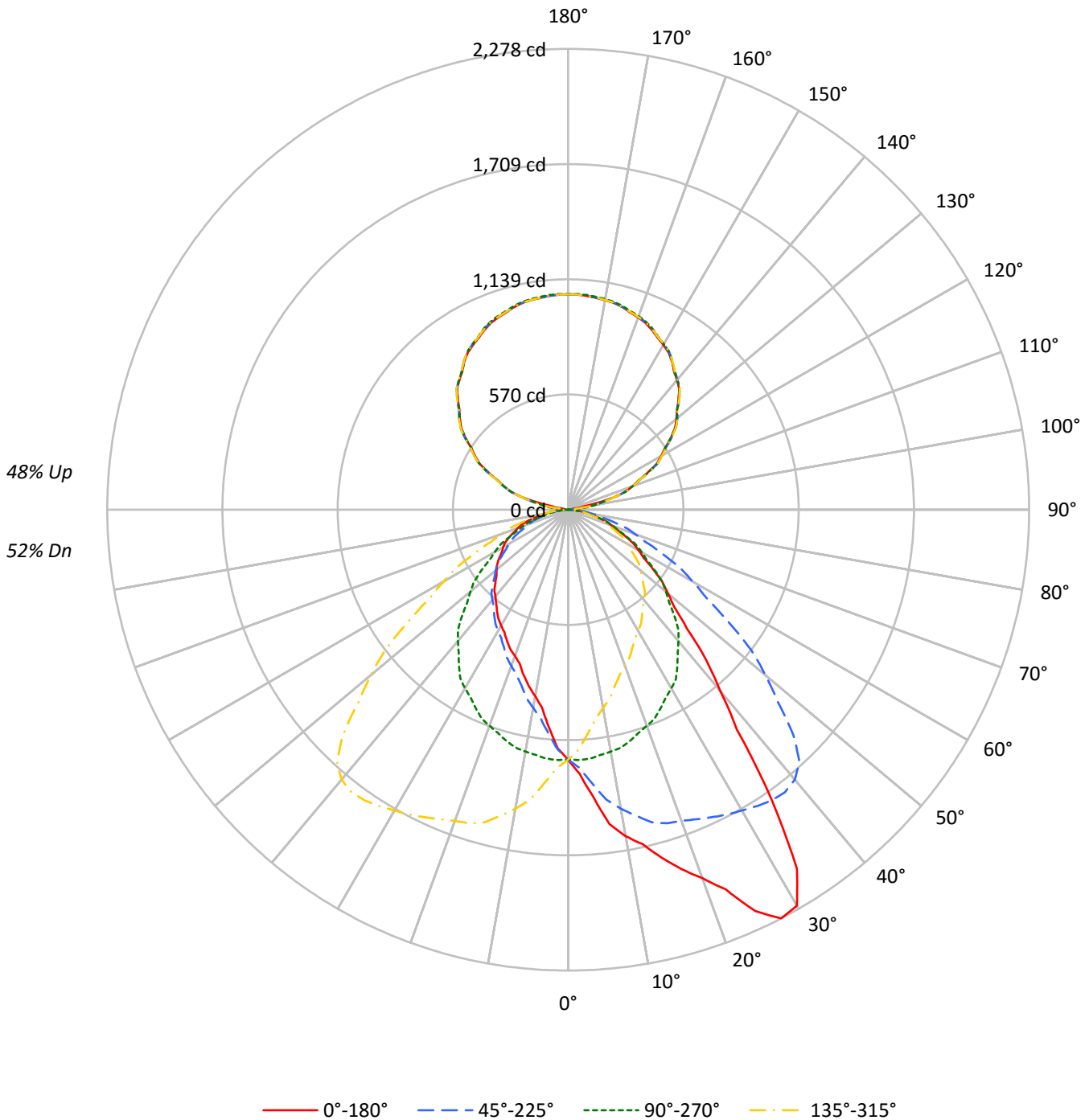
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	82	76	71	83	76	71	67	65	61	58	55	52	50	45	43	42	37
3	82	73	65	60	76	67	61	56	58	53	49	49	45	42	40	38	36	32
4	75	64	57	51	69	60	53	48	51	46	42	44	40	36	36	33	31	27
5	69	57	49	43	64	53	46	41	46	40	36	39	35	32	33	29	27	24
6	64	52	43	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	55	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	20	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7979	7979	7979	7979
5°	9240	8006	7010	8006
10°	10750	7965	6142	7965
15°	11900	7906	5666	7906
20°	13320	7813	5283	7813
25°	15605	7709	5097	7709
30°	16855	7607	4935	7607
35°	13858	7413	4829	7413
40°	9850	7144	4713	7144
45°	7567	6783	4646	6783
50°	6459	6333	4636	6333
55°	5751	5892	4677	5892
60°	5187	5412	4795	5412
65°	4792	4927	4919	4927
70°	4358	4426	4991	4426
75°	3848	3898	4946	3898
80°	3239	3176	4526	3176
85°	2564	2290	3653	2290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.8
10°-20°	354.1	5.2
20°-30°	575.0	8.5
30°-40°	701.4	10.4
40°-50°	638.1	9.4
50°-60°	508.2	7.5
60°-70°	354.0	5.2
70°-80°	188.8	2.8
80°-90°	49.9	0.7
90°-100°	38.7	0.6
100°-110°	238.6	3.5
110°-120°	432.8	6.4
120°-130°	555.4	8.2
130°-140°	597.4	8.8
140°-150°	560.7	8.3
150°-160°	453.6	6.7
160°-170°	293.3	4.3
170°-180°	101.2	1.5
0°-30°	1048.1	15.5
0°-40°	1749.5	25.9
0°-60°	2895.8	42.8
0°-90°	3488.4	51.6
90°-120°	710.1	10.5
90°-150°	2423.5	35.9
90°-180°	3272.0	48.4
0°-180°	6760.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1425	1235	1081	1235	1425	144
15°	1780	1182	847	1182	1780	509
25°	2190	1082	715	1082	2190	1000
35°	1758	940	612	940	1758	1076
45°	828	743	509	743	828	663
55°	511	523	415	523	511	460
65°	314	322	322	322	314	311
75°	154	156	198	156	154	166
85°	35	31	49	31	35	40
90°	19	1	19	1	19	10
95°	17	45	17	45	17	14
105°	235	232	235	232	235	212
115°	433	436	433	436	433	430
125°	620	620	620	620	620	552
135°	770	773	770	773	770	594
145°	894	896	894	896	894	558
155°	980	987	980	987	980	452
165°	1036	1042	1036	1042	1036	292
175°	1061	1065	1061	1065	1061	101
180°	1065	1065	1065	1065	1065	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1306.8	1305.0	1303.4	1300.0	1302.5	1295.5	1292.0	1286.2	1279.1	1276.6	1273.6
5°	1425.2	1427.8	1430.5	1419.5	1420.6	1413.2	1396.4	1382.8	1371.8	1357.7	1347.7
7.5°	1567.9	1561.7	1561.2	1554.1	1541.8	1532.0	1514.3	1491.9	1470.2	1445.4	1424.9
10°	1639.2	1639.7	1635.0	1626.6	1613.6	1604.1	1581.0	1558.9	1532.3	1500.8	1478.2
12.5°	1692.9	1695.1	1689.1	1677.8	1671.4	1650.2	1632.1	1606.0	1574.2	1549.0	1514.7
15°	1779.8	1773.9	1769.8	1755.7	1744.6	1722.6	1693.7	1666.5	1631.8	1599.8	1567.9
17.5°	1863.4	1868.0	1860.2	1847.2	1813.1	1787.4	1748.7	1711.3	1668.3	1625.4	1587.2
20°	1938.1	1942.3	1930.3	1907.7	1866.8	1841.1	1790.2	1742.0	1692.1	1637.1	1595.2
22.5°	2031.2	2027.9	2011.7	1977.3	1941.9	1894.4	1839.3	1780.6	1718.2	1656.0	1600.2
25°	2189.8	2167.8	2157.8	2115.4	2068.7	1998.9	1923.4	1837.4	1759.8	1677.5	1606.2
27.5°	2277.6	2270.8	2259.7	2230.1	2181.0	2106.5	2017.4	1912.6	1803.1	1699.2	1605.9
30°	2260.1	2261.1	2262.2	2252.7	2221.3	2165.2	2076.6	1963.8	1833.7	1716.8	1608.8
32.5°	2104.1	2123.1	2141.3	2162.9	2171.7	2161.0	2105.5	2003.7	1869.9	1737.0	1607.1
35°	1757.7	1763.5	1822.7	1881.5	1961.2	2023.1	2064.5	2019.4	1906.6	1754.0	1605.1
37.5°	1370.5	1398.9	1439.9	1506.2	1621.2	1724.2	1856.7	1917.6	1881.3	1759.6	1601.4
40°	1168.3	1194.6	1221.2	1288.9	1385.9	1510.8	1661.2	1789.7	1819.6	1742.0	1588.8
42.5°	1012.3	1033.0	1062.7	1113.6	1194.7	1305.1	1449.0	1616.9	1720.2	1690.8	1562.5
45°	828.5	841.6	864.7	905.0	963.8	1050.4	1177.2	1360.8	1520.7	1573.7	1499.8
47.5°	709.1	709.0	727.0	754.9	797.3	870.8	964.6	1108.4	1279.3	1405.6	1399.8
50°	642.9	640.3	654.4	678.5	712.1	760.8	850.5	965.3	1129.5	1272.6	1312.5
52.5°	585.8	586.1	594.8	612.7	640.8	682.5	749.4	852.9	993.2	1140.1	1215.2
55°	510.8	508.7	518.6	530.7	551.1	578.3	626.6	705.8	819.6	964.3	1061.9
57.5°	441.9	447.7	451.7	460.1	477.1	495.3	536.0	594.1	684.4	808.6	911.7
60°	401.6	407.5	410.6	419.0	432.6	448.4	479.8	527.0	603.0	710.0	812.2
62.5°	365.6	370.1	371.1	378.7	389.8	405.2	429.9	469.5	529.6	623.2	723.4
65°	313.6	313.6	315.7	323.6	328.8	342.4	361.3	390.1	438.4	511.3	596.7
67.5°	263.5	266.0	265.4	268.9	273.8	284.3	297.8	321.6	357.4	410.6	479.0
70°	230.8	232.8	232.3	234.9	240.1	247.0	258.0	280.5	306.2	351.8	410.6
72.5°	201.4	202.2	200.9	204.3	207.4	213.4	225.7	237.7	261.8	300.2	348.5
75°	154.2	155.2	156.2	158.3	161.5	164.6	171.0	183.0	198.7	227.6	258.5
77.5°	115.5	113.6	116.1	115.8	117.5	120.0	125.5	131.9	144.8	163.1	187.0
80°	87.1	87.6	87.6	88.1	90.7	92.3	97.0	101.7	111.7	125.3	142.1
82.5°	63.5	64.9	64.1	65.0	67.3	68.4	71.0	74.8	80.7	91.4	103.5
85°	34.6	32.0	33.0	34.1	34.1	34.6	36.7	38.3	41.4	45.6	50.3
87.5°	13.8	14.6	14.9	14.8	15.1	14.9	16.5	16.3	17.4	18.5	19.9
90°	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.4	13.5	12.6	11.4
92.5°	17.7	17.5	17.2	17.0	16.7	16.2	15.2	14.4	13.5	12.6	11.5
95°	16.6	16.6	16.6	16.6	16.6	16.2	15.2	14.4	13.5	12.6	19.3
97.5°	16.6	16.6	16.6	16.6	16.6	19.1	24.0	29.0	33.9	38.9	52.0
100°	16.6	17.3	18.0	18.7	19.4	32.8	59.0	85.1	111.3	137.4	136.7
102.5°	99.4	111.3	123.2	135.1	147.1	155.5	160.5	165.4	170.4	175.3	174.9
105°	234.6	234.7	234.9	235.1	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	295.7	296.2	296.7	297.3	297.8	298.0	298.0	298.0	297.9	297.9	297.5
110°	338.0	337.8	337.7	337.5	337.3	337.5	338.0	338.5	339.1	339.6	339.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	376.0	376.2	376.4	376.7	376.9	377.4	378.0	378.7	379.4	380.0	379.8
115°	432.8	433.8	434.8	436.0	437.0	437.9	438.6	439.3	440.0	440.7	440.5
117.5°	493.4	493.9	494.3	494.8	495.2	495.9	496.9	497.8	498.7	499.6	499.0
120°	530.7	531.6	532.5	533.3	534.2	534.8	535.2	535.5	535.9	536.2	535.7
122.5°	566.1	567.1	568.2	569.2	570.2	570.9	571.2	571.6	571.9	572.3	572.0
125°	620.0	620.5	621.0	621.6	622.1	622.7	623.4	624.1	624.8	625.5	625.5
127.5°	665.3	666.6	667.9	669.2	670.4	671.4	671.8	672.1	672.5	672.9	673.0
130°	698.1	699.0	699.9	700.7	701.7	702.4	702.9	703.4	704.0	704.5	704.3
132.5°	728.5	729.3	730.2	731.1	732.0	732.5	732.6	732.7	732.8	732.9	733.3
135°	770.0	771.0	772.1	773.2	774.3	775.0	775.3	775.7	776.0	776.4	776.7
137.5°	811.7	812.6	813.5	814.5	815.4	815.8	815.7	815.7	815.6	815.5	815.9
140°	836.4	837.4	838.5	839.5	840.6	840.9	840.6	840.2	839.9	839.5	839.7
142.5°	859.7	860.8	861.8	862.9	863.9	864.4	864.3	864.3	864.2	864.1	863.9
145°	894.0	895.0	896.2	897.2	898.2	898.7	898.5	898.3	898.2	898.0	898.0
147.5°	922.3	923.5	924.8	926.0	927.4	927.9	927.7	927.5	927.3	927.1	926.9
150°	940.6	942.0	943.4	944.8	946.2	946.7	946.4	946.0	945.7	945.3	945.0
152.5°	957.7	959.0	960.2	961.5	962.7	963.2	962.8	962.5	962.1	961.8	961.4
155°	980.1	981.5	982.9	984.3	985.7	986.1	985.6	985.1	984.5	984.0	983.7
157.5°	998.9	1000.3	1001.7	1003.1	1004.5	1004.9	1004.4	1003.8	1003.2	1002.7	1002.6
160°	1010.9	1012.3	1013.7	1015.1	1016.5	1016.8	1016.1	1015.4	1014.7	1014.0	1013.9
162.5°	1021.7	1023.2	1024.7	1026.2	1027.8	1028.0	1027.1	1026.1	1025.1	1024.2	1024.0
165°	1036.1	1037.5	1038.9	1040.4	1041.8	1042.0	1040.9	1039.9	1038.8	1037.7	1037.5
167.5°	1046.3	1047.8	1049.5	1051.0	1052.6	1052.8	1051.5	1050.3	1048.9	1047.7	1047.5
170°	1052.0	1053.5	1055.1	1056.7	1058.2	1058.3	1056.9	1055.5	1054.2	1052.8	1052.6
172.5°	1055.7	1057.3	1058.9	1060.5	1062.1	1062.3	1061.0	1059.7	1058.4	1057.1	1056.8
175°	1060.7	1062.3	1063.8	1065.4	1066.9	1067.0	1065.6	1064.2	1062.9	1061.5	1061.3
177.5°	1063.5	1064.6	1065.7	1066.8	1068.0	1068.0	1067.0	1066.1	1065.1	1064.1	1064.0
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1271.1	1268.2	1264.8	1258.9	1251.8	1248.0	1242.1	1238.4	1230.8	1224.6	1217.8
5°	1335.5	1321.9	1309.4	1293.1	1275.3	1263.7	1250.1	1234.9	1219.2	1203.0	1185.1
7.5°	1402.4	1378.3	1352.0	1323.8	1296.3	1270.9	1246.7	1222.8	1200.6	1173.8	1151.0
10°	1447.2	1416.8	1384.3	1346.0	1308.9	1276.4	1243.3	1214.5	1185.1	1153.7	1125.8
12.5°	1492.2	1451.7	1405.7	1363.7	1318.9	1279.7	1240.8	1204.0	1167.1	1132.3	1099.8
15°	1523.9	1488.1	1445.7	1385.9	1335.5	1281.6	1230.2	1182.5	1137.9	1099.1	1058.2
17.5°	1544.7	1498.7	1453.2	1395.8	1329.8	1269.4	1211.2	1156.6	1106.3	1057.1	1017.7
20°	1548.5	1501.3	1453.6	1397.5	1329.8	1260.6	1202.4	1136.8	1082.9	1032.0	983.7
22.5°	1547.2	1493.8	1441.8	1384.0	1318.1	1254.4	1184.0	1117.1	1058.5	1008.5	958.2
25°	1535.4	1478.2	1413.2	1355.0	1290.0	1222.3	1151.0	1081.8	1022.0	964.8	915.0
27.5°	1525.5	1451.4	1377.8	1309.9	1247.1	1185.1	1116.8	1045.9	979.7	921.7	874.7
30°	1513.4	1432.1	1349.2	1278.4	1214.0	1153.7	1089.1	1020.0	950.7	894.0	843.7
32.5°	1502.5	1407.8	1320.3	1243.2	1174.9	1116.3	1056.8	991.0	923.0	865.6	815.2
35°	1481.4	1371.8	1271.6	1184.6	1111.7	1051.4	1001.6	940.2	877.8	822.2	774.0
37.5°	1454.6	1324.5	1217.1	1125.8	1045.9	982.4	936.0	888.9	829.0	775.5	731.8
40°	1433.6	1291.0	1177.2	1083.9	1001.1	934.9	892.0	847.4	797.6	747.8	701.7
42.5°	1407.2	1260.8	1137.0	1036.5	954.4	890.1	845.0	807.1	763.2	716.7	673.9
45°	1358.7	1206.1	1071.9	963.8	880.9	817.5	770.8	742.6	709.5	665.4	629.2
47.5°	1287.3	1140.3	1001.5	890.0	804.5	745.7	702.0	674.8	651.5	618.7	585.9
50°	1223.9	1091.3	950.7	840.0	754.6	695.3	655.0	630.3	610.4	585.2	557.4
52.5°	1153.0	1029.6	900.8	791.4	706.8	648.3	608.8	587.1	570.6	552.5	525.1
55°	1040.4	935.5	816.0	712.1	634.0	576.8	542.2	523.3	509.7	496.0	479.3
57.5°	916.3	834.2	728.3	633.5	561.5	509.5	477.2	458.8	448.3	441.2	431.3
60°	829.0	758.8	667.5	581.0	510.8	464.6	433.1	419.0	410.1	404.2	397.0
62.5°	748.1	690.4	605.8	526.8	465.4	421.8	393.7	380.0	371.4	368.6	362.5
65°	628.7	584.2	514.4	448.9	396.5	359.2	335.6	322.4	317.2	314.1	314.7
67.5°	511.2	484.0	428.0	372.1	330.2	299.0	280.1	270.0	267.4	263.3	263.2
70°	439.4	419.0	371.8	323.1	285.8	261.7	244.9	234.4	231.8	229.6	229.1
72.5°	376.1	358.2	317.2	278.1	244.7	223.5	209.6	203.4	199.0	197.8	197.7
75°	282.7	272.7	240.1	209.2	186.1	171.5	162.1	156.2	153.1	152.6	153.1
77.5°	201.0	192.3	171.6	149.7	135.1	124.0	116.0	114.0	110.5	110.6	110.0
80°	151.0	145.2	132.2	114.8	102.8	93.3	89.2	85.4	84.4	82.8	84.4
82.5°	109.5	103.3	94.4	83.4	73.4	67.8	63.5	62.4	61.8	61.0	61.4
85°	54.0	54.5	49.3	40.9	36.7	33.5	30.9	30.9	30.4	29.9	30.4
87.5°	20.5	19.4	17.5	16.0	13.6	12.0	11.3	11.5	10.5	10.4	11.1
90°	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.5	9.4	8.3	8.3	9.2	10.2	11.2	12.1	11.2	10.2	9.2
95°	26.0	32.6	39.3	42.9	43.4	43.9	44.5	45.0	44.5	43.9	43.4
97.5°	65.2	78.5	91.7	97.8	96.8	95.8	94.9	94.0	94.9	95.8	96.8
100°	136.0	135.3	134.6	134.0	133.5	132.9	132.4	131.9	132.4	132.9	133.5
102.5°	174.5	174.1	173.6	173.1	172.4	171.8	171.1	170.5	171.1	171.8	172.4
105°	235.3	235.3	235.3	235.0	234.3	233.6	232.9	232.2	232.9	233.6	234.3
107.5°	297.2	296.8	296.5	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3
110°	338.9	338.5	338.2	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.6	379.4	379.2	378.9	378.5	378.0	377.6	377.2	377.6	378.0	378.5
115°	440.3	440.2	440.0	439.5	438.6	437.7	436.9	436.0	436.9	437.7	438.6
117.5°	498.3	497.6	497.0	496.7	496.7	496.7	496.8	496.8	496.8	496.7	496.7
120°	535.2	534.6	534.1	533.9	534.1	534.3	534.5	534.6	534.5	534.3	534.1
122.5°	571.8	571.5	571.3	570.8	570.2	569.5	568.9	568.2	568.9	569.5	570.2
125°	625.5	625.5	625.5	624.9	623.7	622.4	621.2	620.0	621.2	622.4	623.7
127.5°	673.1	673.2	673.3	672.9	672.1	671.2	670.2	669.4	670.2	671.2	672.1
130°	704.1	704.0	703.8	703.3	702.4	701.5	700.6	699.7	700.6	701.5	702.4
132.5°	733.7	734.1	734.5	734.2	733.1	732.1	731.0	730.0	731.0	732.1	733.1
135°	777.0	777.4	777.7	777.4	776.4	775.3	774.3	773.2	774.3	775.3	776.4
137.5°	816.2	816.5	816.8	816.5	815.6	814.7	813.7	812.8	813.7	814.7	815.6
140°	839.9	840.0	840.2	840.1	839.8	839.4	839.1	838.7	839.1	839.4	839.8
142.5°	863.6	863.4	863.1	862.9	862.7	862.5	862.3	862.1	862.3	862.5	862.7
145°	898.0	898.0	898.0	897.8	897.5	897.1	896.8	896.4	896.8	897.1	897.5
147.5°	926.6	926.3	926.1	926.1	926.1	926.2	926.3	926.3	926.3	926.2	926.1
150°	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3	945.0	944.6	944.3
152.5°	961.1	960.7	960.4	960.6	961.4	962.1	962.9	963.7	962.9	962.1	961.4
155°	983.3	983.0	982.6	983.0	984.0	985.1	986.1	987.2	986.1	985.1	984.0
157.5°	1002.6	1002.6	1002.5	1002.8	1003.5	1004.1	1004.7	1005.3	1004.7	1004.1	1003.5
160°	1013.7	1013.5	1013.4	1013.8	1014.8	1015.9	1016.9	1018.0	1016.9	1015.9	1014.8
162.5°	1023.8	1023.6	1023.5	1023.9	1024.9	1026.0	1027.0	1028.1	1027.0	1026.0	1024.9
165°	1037.4	1037.2	1037.0	1037.4	1038.5	1039.6	1040.7	1041.7	1040.7	1039.6	1038.5
167.5°	1047.3	1047.1	1047.0	1047.4	1048.5	1049.7	1050.8	1051.8	1050.8	1049.7	1048.5
170°	1052.4	1052.2	1052.1	1052.6	1053.8	1055.0	1056.2	1057.5	1056.2	1055.0	1053.8
172.5°	1056.5	1056.2	1055.9	1056.3	1057.6	1058.8	1060.1	1061.3	1060.1	1058.8	1057.6
175°	1061.1	1060.9	1060.8	1061.2	1062.3	1063.3	1064.3	1065.4	1064.3	1063.3	1062.3
177.5°	1063.8	1063.7	1063.6	1063.9	1064.8	1065.6	1066.4	1067.3	1066.4	1065.6	1064.8
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1214.1	1209.4	1205.7	1197.3	1192.7	1186.4	1181.3	1186.8	1180.9	1183.5	1179.6
5°	1176.2	1161.5	1151.0	1135.8	1122.7	1110.6	1101.8	1100.1	1095.9	1093.9	1087.5
7.5°	1130.6	1112.3	1094.3	1074.4	1057.5	1040.5	1029.6	1020.6	1014.6	1006.7	1001.4
10°	1103.8	1079.1	1058.2	1034.1	1013.1	994.7	980.1	972.7	965.9	955.9	952.3
12.5°	1070.7	1045.2	1019.6	993.8	973.7	953.2	940.6	929.5	924.8	913.5	912.4
15°	1031.0	992.7	967.5	941.3	913.4	896.7	886.2	874.1	868.9	861.0	855.3
17.5°	983.5	949.4	917.9	890.7	866.9	852.7	839.7	831.4	822.4	817.3	807.9
20°	949.2	916.7	885.1	856.3	838.0	821.7	811.2	803.3	794.0	791.3	781.8
22.5°	920.2	884.3	854.1	829.9	809.8	791.5	780.1	774.9	768.3	760.2	758.3
25°	873.1	835.9	810.2	786.1	768.2	751.4	743.6	736.8	730.4	724.7	722.6
27.5°	832.4	799.1	768.6	746.8	731.3	716.0	709.0	700.7	696.2	691.6	685.9
30°	803.9	769.8	743.1	722.1	705.3	691.7	684.3	678.5	674.4	670.1	667.0
32.5°	774.5	743.0	717.0	696.5	679.7	669.4	662.9	658.8	654.2	649.1	645.2
35°	735.7	701.0	675.9	658.1	645.0	637.1	629.8	626.1	620.9	620.9	616.6
37.5°	692.0	662.1	639.9	623.6	611.9	604.8	596.8	594.3	591.0	588.8	587.3
40°	666.0	638.1	617.2	601.0	588.3	582.6	576.3	572.1	570.0	567.3	566.3
42.5°	639.1	612.6	592.5	577.4	566.5	561.6	555.7	552.8	548.6	545.1	544.5
45°	598.3	572.6	554.3	542.2	532.8	527.0	523.3	517.1	514.9	510.8	510.2
47.5°	559.6	534.9	516.9	507.1	498.8	494.0	488.3	482.0	479.6	477.5	477.3
50°	530.7	508.2	491.3	481.9	474.0	467.3	461.4	457.3	455.7	455.7	456.8
52.5°	501.3	482.1	467.9	456.4	448.9	441.6	436.3	433.7	431.3	433.8	435.8
55°	458.3	438.9	428.4	417.4	410.1	401.6	399.1	398.0	396.5	400.6	402.7
57.5°	412.8	399.2	386.9	376.0	369.4	364.6	361.0	360.3	363.2	365.3	372.1
60°	383.8	368.1	357.1	348.7	340.8	337.7	336.7	335.6	337.7	343.5	352.3
62.5°	351.9	339.2	327.3	321.0	315.3	310.0	309.8	310.4	314.7	321.2	330.1
65°	305.2	294.2	286.3	278.9	274.3	271.1	272.2	274.3	278.9	287.9	297.8
67.5°	257.7	250.1	243.1	237.1	232.6	232.6	233.7	236.8	242.4	252.7	261.8
70°	227.0	218.6	212.9	210.3	206.6	204.5	207.6	212.9	217.6	227.0	234.9
72.5°	196.4	189.3	184.8	183.0	181.5	179.8	180.8	186.4	192.9	202.3	211.5
75°	151.0	148.3	145.2	143.2	141.6	142.6	143.7	149.0	154.2	164.1	174.6
77.5°	110.2	107.4	105.6	105.1	104.2	104.7	107.8	111.6	116.7	124.0	131.9
80°	83.4	82.3	81.3	80.8	80.8	81.3	85.4	88.1	92.8	99.7	105.9
82.5°	60.7	60.1	59.9	59.8	60.2	60.3	62.8	66.2	70.2	75.3	80.8
85°	32.0	30.9	32.5	33.0	32.0	33.5	34.6	36.7	38.3	40.9	43.5
87.5°	11.8	12.8	12.7	13.3	13.6	14.6	14.4	16.3	17.3	18.4	18.1
90°	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.4	15.2	16.2	16.9
92.5°	8.3	8.3	9.4	10.5	11.5	12.6	13.5	14.4	15.2	16.2	16.7
95°	42.9	39.3	32.6	26.0	19.3	12.6	13.5	14.4	15.2	16.2	16.6
97.5°	97.8	91.7	78.5	65.2	52.0	38.9	33.9	29.0	24.0	19.1	16.6
100°	134.0	134.6	135.3	136.0	136.7	137.4	111.3	85.1	59.0	32.8	19.4
102.5°	173.1	173.6	174.1	174.5	174.9	175.3	170.4	165.4	160.5	155.5	147.1
105°	235.0	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	296.3	296.5	296.8	297.2	297.5	297.9	297.9	298.0	298.0	298.0	297.8
110°	338.0	338.2	338.5	338.9	339.2	339.6	339.1	338.5	338.0	337.5	337.3



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	378.9	379.2	379.4	379.6	379.8	380.0	379.4	378.7	378.0	377.4	376.9
115°	439.5	440.0	440.2	440.3	440.5	440.7	440.0	439.3	438.6	437.9	437.0
117.5°	496.7	497.0	497.6	498.3	499.0	499.6	498.7	497.8	496.9	495.9	495.2
120°	533.9	534.1	534.6	535.2	535.7	536.2	535.9	535.5	535.2	534.8	534.2
122.5°	570.8	571.3	571.5	571.8	572.0	572.3	571.9	571.6	571.2	570.9	570.2
125°	624.9	625.5	625.5	625.5	625.5	625.5	624.8	624.1	623.4	622.7	622.1
127.5°	672.9	673.3	673.2	673.1	673.0	672.9	672.5	672.1	671.8	671.4	670.4
130°	703.3	703.8	704.0	704.1	704.3	704.5	704.0	703.4	702.9	702.4	701.7
132.5°	734.2	734.5	734.1	733.7	733.3	732.9	732.8	732.7	732.6	732.5	732.0
135°	777.4	777.7	777.4	777.0	776.7	776.4	776.0	775.7	775.3	775.0	774.3
137.5°	816.5	816.8	816.5	816.2	815.9	815.5	815.6	815.7	815.7	815.8	815.4
140°	840.1	840.2	840.0	839.9	839.7	839.5	839.9	840.2	840.6	840.9	840.6
142.5°	862.9	863.1	863.4	863.6	863.9	864.1	864.2	864.3	864.3	864.4	863.9
145°	897.8	898.0	898.0	898.0	898.0	898.0	898.2	898.3	898.5	898.7	898.2
147.5°	926.1	926.1	926.3	926.6	926.9	927.1	927.3	927.5	927.7	927.9	927.4
150°	943.9	943.9	944.3	944.6	945.0	945.3	945.7	946.0	946.4	946.7	946.2
152.5°	960.6	960.4	960.7	961.1	961.4	961.8	962.1	962.5	962.8	963.2	962.7
155°	983.0	982.6	983.0	983.3	983.7	984.0	984.5	985.1	985.6	986.1	985.7
157.5°	1002.8	1002.5	1002.6	1002.6	1002.6	1002.7	1003.2	1003.8	1004.4	1004.9	1004.5
160°	1013.8	1013.4	1013.5	1013.7	1013.9	1014.0	1014.7	1015.4	1016.1	1016.8	1016.5
162.5°	1023.9	1023.5	1023.6	1023.8	1024.0	1024.2	1025.1	1026.1	1027.1	1028.0	1027.8
165°	1037.4	1037.0	1037.2	1037.4	1037.5	1037.7	1038.8	1039.9	1040.9	1042.0	1041.8
167.5°	1047.4	1047.0	1047.1	1047.3	1047.5	1047.7	1048.9	1050.3	1051.5	1052.8	1052.6
170°	1052.6	1052.1	1052.2	1052.4	1052.6	1052.8	1054.2	1055.5	1056.9	1058.3	1058.2
172.5°	1056.3	1055.9	1056.2	1056.5	1056.8	1057.1	1058.4	1059.7	1061.0	1062.3	1062.1
175°	1061.2	1060.8	1060.9	1061.1	1061.3	1061.5	1062.9	1064.2	1065.6	1067.0	1066.9
177.5°	1063.9	1063.6	1063.7	1063.8	1064.0	1064.1	1065.1	1066.1	1067.0	1068.0	1068.0
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1177.1	1180.0	1177.5	1180.9	1177.5	1180.0	1177.1	1179.6	1183.5	1180.9	1186.8
5°	1084.9	1080.3	1083.4	1081.3	1083.4	1080.3	1084.9	1087.5	1093.9	1095.9	1100.1
7.5°	999.8	995.2	990.2	987.7	990.2	995.2	999.8	1001.4	1006.7	1014.6	1020.6
10°	946.5	940.7	940.2	936.5	940.2	940.7	946.5	952.3	955.9	965.9	972.7
12.5°	907.5	902.1	896.2	894.6	896.2	902.1	907.5	912.4	913.5	924.8	929.5
15°	852.1	847.9	844.2	847.4	844.2	847.9	852.1	855.3	861.0	868.9	874.1
17.5°	806.1	802.6	801.9	798.1	801.9	802.6	806.1	807.9	817.3	822.4	831.4
20°	777.1	774.5	775.6	768.7	775.6	774.5	777.1	781.8	791.3	794.0	803.3
22.5°	754.1	748.9	748.3	746.9	748.3	748.9	754.1	758.3	760.2	768.3	774.9
25°	717.9	715.3	712.7	715.3	712.7	715.3	717.9	722.6	724.7	730.4	736.8
27.5°	686.3	683.2	682.5	682.8	682.5	683.2	686.3	685.9	691.6	696.2	700.7
30°	667.0	661.8	662.3	661.8	662.3	661.8	667.0	667.0	670.1	674.4	678.5
32.5°	646.0	642.5	641.8	640.8	641.8	642.5	646.0	645.2	649.1	654.2	658.8
35°	615.1	615.1	612.5	612.5	612.5	615.1	615.1	616.6	620.9	620.9	626.1
37.5°	586.0	585.5	583.9	584.2	583.9	585.5	586.0	587.3	588.8	591.0	594.3
40°	564.2	563.7	562.1	559.0	562.1	563.7	564.2	566.3	567.3	570.0	572.1
42.5°	543.2	541.5	540.8	539.7	540.8	541.5	543.2	544.5	545.1	548.6	552.8
45°	510.2	510.2	509.2	508.7	509.2	510.2	510.2	510.2	510.8	514.9	517.1
47.5°	478.2	479.1	481.1	480.8	481.1	479.1	478.2	477.3	477.5	479.6	482.0
50°	458.8	459.4	460.9	461.4	460.9	459.4	458.8	456.8	455.7	455.7	457.3
52.5°	437.5	440.5	442.4	442.1	442.4	440.5	437.5	435.8	433.8	431.3	433.7
55°	407.5	411.1	414.8	415.4	414.8	411.1	407.5	402.7	400.6	396.5	398.0
57.5°	377.8	382.9	386.8	388.0	386.8	382.9	377.8	372.1	365.3	363.2	360.3
60°	357.6	364.5	369.2	371.2	369.2	364.5	357.6	352.3	343.5	337.7	335.6
62.5°	338.3	346.0	350.7	351.1	350.7	346.0	338.3	330.1	321.2	314.7	310.4
65°	306.8	314.7	318.8	321.9	318.8	314.7	306.8	297.8	287.9	278.9	274.3
67.5°	272.8	280.6	285.3	287.8	285.3	280.6	272.8	261.8	252.7	242.4	236.8
70°	248.0	255.9	262.2	264.3	262.2	255.9	248.0	234.9	227.0	217.6	212.9
72.5°	223.7	230.8	235.8	238.2	235.8	230.8	223.7	211.5	202.3	192.9	186.4
75°	181.5	190.9	195.6	198.2	195.6	190.9	181.5	174.6	164.1	154.2	149.0
77.5°	139.9	148.6	151.4	152.7	151.4	148.6	139.9	131.9	124.0	116.7	111.6
80°	112.2	117.4	121.1	121.7	121.1	117.4	112.2	105.9	99.7	92.8	88.1
82.5°	86.2	90.6	91.8	93.1	91.8	90.6	86.2	80.8	75.3	70.2	66.2
85°	47.2	49.3	49.8	49.3	49.8	49.3	47.2	43.5	40.9	38.3	36.7
87.5°	19.0	18.7	18.8	19.7	18.8	18.7	19.0	18.1	18.4	17.3	16.3
90°	17.4	17.9	18.4	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.4
92.5°	17.0	17.2	17.5	17.7	17.5	17.2	17.0	16.7	16.2	15.2	14.4
95°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.2	15.2	14.4
97.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	19.1	24.0	29.0
100°	18.7	18.0	17.3	16.6	17.3	18.0	18.7	19.4	32.8	59.0	85.1
102.5°	135.1	123.2	111.3	99.4	111.3	123.2	135.1	147.1	155.5	160.5	165.4
105°	235.1	234.9	234.7	234.6	234.7	234.9	235.1	235.3	235.3	235.3	235.3
107.5°	297.3	296.7	296.2	295.7	296.2	296.7	297.3	297.8	298.0	298.0	298.0
110°	337.5	337.7	337.8	338.0	337.8	337.7	337.5	337.3	337.5	338.0	338.5



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	376.7	376.4	376.2	376.0	376.2	376.4	376.7	376.9	377.4	378.0	378.7
115°	436.0	434.8	433.8	432.8	433.8	434.8	436.0	437.0	437.9	438.6	439.3
117.5°	494.8	494.3	493.9	493.4	493.9	494.3	494.8	495.2	495.9	496.9	497.8
120°	533.3	532.5	531.6	530.7	531.6	532.5	533.3	534.2	534.8	535.2	535.5
122.5°	569.2	568.2	567.1	566.1	567.1	568.2	569.2	570.2	570.9	571.2	571.6
125°	621.6	621.0	620.5	620.0	620.5	621.0	621.6	622.1	622.7	623.4	624.1
127.5°	669.2	667.9	666.6	665.3	666.6	667.9	669.2	670.4	671.4	671.8	672.1
130°	700.7	699.9	699.0	698.1	699.0	699.9	700.7	701.7	702.4	702.9	703.4
132.5°	731.1	730.2	729.3	728.5	729.3	730.2	731.1	732.0	732.5	732.6	732.7
135°	773.2	772.1	771.0	770.0	771.0	772.1	773.2	774.3	775.0	775.3	775.7
137.5°	814.5	813.5	812.6	811.7	812.6	813.5	814.5	815.4	815.8	815.7	815.7
140°	839.5	838.5	837.4	836.4	837.4	838.5	839.5	840.6	840.9	840.6	840.2
142.5°	862.9	861.8	860.8	859.7	860.8	861.8	862.9	863.9	864.4	864.3	864.3
145°	897.2	896.2	895.0	894.0	895.0	896.2	897.2	898.2	898.7	898.5	898.3
147.5°	926.0	924.8	923.5	922.3	923.5	924.8	926.0	927.4	927.9	927.7	927.5
150°	944.8	943.4	942.0	940.6	942.0	943.4	944.8	946.2	946.7	946.4	946.0
152.5°	961.5	960.2	959.0	957.7	959.0	960.2	961.5	962.7	963.2	962.8	962.5
155°	984.3	982.9	981.5	980.1	981.5	982.9	984.3	985.7	986.1	985.6	985.1
157.5°	1003.1	1001.7	1000.3	998.9	1000.3	1001.7	1003.1	1004.5	1004.9	1004.4	1003.8
160°	1015.1	1013.7	1012.3	1010.9	1012.3	1013.7	1015.1	1016.5	1016.8	1016.1	1015.4
162.5°	1026.2	1024.7	1023.2	1021.7	1023.2	1024.7	1026.2	1027.8	1028.0	1027.1	1026.1
165°	1040.4	1038.9	1037.5	1036.1	1037.5	1038.9	1040.4	1041.8	1042.0	1040.9	1039.9
167.5°	1051.0	1049.5	1047.8	1046.3	1047.8	1049.5	1051.0	1052.6	1052.8	1051.5	1050.3
170°	1056.7	1055.1	1053.5	1052.0	1053.5	1055.1	1056.7	1058.2	1058.3	1056.9	1055.5
172.5°	1060.5	1058.9	1057.3	1055.7	1057.3	1058.9	1060.5	1062.1	1062.3	1061.0	1059.7
175°	1065.4	1063.8	1062.3	1060.7	1062.3	1063.8	1065.4	1066.9	1067.0	1065.6	1064.2
177.5°	1066.8	1065.7	1064.6	1063.5	1064.6	1065.7	1066.8	1068.0	1068.0	1067.0	1066.1
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1181.3	1186.4	1192.7	1197.3	1205.7	1209.4	1214.1	1217.8	1224.6	1230.8	1238.4
5°	1101.8	1110.6	1122.7	1135.8	1151.0	1161.5	1176.2	1185.1	1203.0	1219.2	1234.9
7.5°	1029.6	1040.5	1057.5	1074.4	1094.3	1112.3	1130.6	1151.0	1173.8	1200.6	1222.8
10°	980.1	994.7	1013.1	1034.1	1058.2	1079.1	1103.8	1125.8	1153.7	1185.1	1214.5
12.5°	940.6	953.2	973.7	993.8	1019.6	1045.2	1070.7	1099.8	1132.3	1167.1	1204.0
15°	886.2	896.7	913.4	941.3	967.5	992.7	1031.0	1058.2	1099.1	1137.9	1182.5
17.5°	839.7	852.7	866.9	890.7	917.9	949.4	983.5	1017.7	1057.1	1106.3	1156.6
20°	811.2	821.7	838.0	856.3	885.1	916.7	949.2	983.7	1032.0	1082.9	1136.8
22.5°	780.1	791.5	809.8	829.9	854.1	884.3	920.2	958.2	1008.5	1058.5	1117.1
25°	743.6	751.4	768.2	786.1	810.2	835.9	873.1	915.0	964.8	1022.0	1081.8
27.5°	709.0	716.0	731.3	746.8	768.6	799.1	832.4	874.7	921.7	979.7	1045.9
30°	684.3	691.7	705.3	722.1	743.1	769.8	803.9	843.7	894.0	950.7	1020.0
32.5°	662.9	669.4	679.7	696.5	717.0	743.0	774.5	815.2	865.6	923.0	991.0
35°	629.8	637.1	645.0	658.1	675.9	701.0	735.7	774.0	822.2	877.8	940.2
37.5°	596.8	604.8	611.9	623.6	639.9	662.1	692.0	731.8	775.5	829.0	888.9
40°	576.3	582.6	588.3	601.0	617.2	638.1	666.0	701.7	747.8	797.6	847.4
42.5°	555.7	561.6	566.5	577.4	592.5	612.6	639.1	673.9	716.7	763.2	807.1
45°	523.3	527.0	532.8	542.2	554.3	572.6	598.3	629.2	665.4	709.5	742.6
47.5°	488.3	494.0	498.8	507.1	516.9	534.9	559.6	585.9	618.7	651.5	674.8
50°	461.4	467.3	474.0	481.9	491.3	508.2	530.7	557.4	585.2	610.4	630.3
52.5°	436.3	441.6	448.9	456.4	467.9	482.1	501.3	525.1	552.5	570.6	587.1
55°	399.1	401.6	410.1	417.4	428.4	438.9	458.3	479.3	496.0	509.7	523.3
57.5°	361.0	364.6	369.4	376.0	386.9	399.2	412.8	431.3	441.2	448.3	458.8
60°	336.7	337.7	340.8	348.7	357.1	368.1	383.8	397.0	404.2	410.1	419.0
62.5°	309.8	310.0	315.3	321.0	327.3	339.2	351.9	362.5	368.6	371.4	380.0
65°	272.2	271.1	274.3	278.9	286.3	294.2	305.2	314.7	314.1	317.2	322.4
67.5°	233.7	232.6	232.6	237.1	243.1	250.1	257.7	263.2	263.3	267.4	270.0
70°	207.6	204.5	206.6	210.3	212.9	218.6	227.0	229.1	229.6	231.8	234.4
72.5°	180.8	179.8	181.5	183.0	184.8	189.3	196.4	197.7	197.8	199.0	203.4
75°	143.7	142.6	141.6	143.2	145.2	148.3	151.0	153.1	152.6	153.1	156.2
77.5°	107.8	104.7	104.2	105.1	105.6	107.4	110.2	110.0	110.6	110.5	114.0
80°	85.4	81.3	80.8	80.8	81.3	82.3	83.4	84.4	82.8	84.4	85.4
82.5°	62.8	60.3	60.2	59.8	59.9	60.1	60.7	61.4	61.0	61.8	62.4
85°	34.6	33.5	32.0	33.0	32.5	30.9	32.0	30.4	29.9	30.4	30.9
87.5°	14.4	14.6	13.6	13.3	12.7	12.8	11.8	11.1	10.4	10.5	11.5
90°	13.5	12.6	11.4	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8
92.5°	13.5	12.6	11.5	10.5	9.4	8.3	8.3	9.2	10.2	11.2	12.1
95°	13.5	12.6	19.3	26.0	32.6	39.3	42.9	43.4	43.9	44.5	45.0
97.5°	33.9	38.9	52.0	65.2	78.5	91.7	97.8	96.8	95.8	94.9	94.0
100°	111.3	137.4	136.7	136.0	135.3	134.6	134.0	133.5	132.9	132.4	131.9
102.5°	170.4	175.3	174.9	174.5	174.1	173.6	173.1	172.4	171.8	171.1	170.5
105°	235.3	235.3	235.3	235.3	235.3	235.3	235.0	234.3	233.6	232.9	232.2
107.5°	297.9	297.9	297.5	297.2	296.8	296.5	296.3	296.3	296.3	296.3	296.3
110°	339.1	339.6	339.2	338.9	338.5	338.2	338.0	338.0	338.0	338.0	338.0



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.4	380.0	379.8	379.6	379.4	379.2	378.9	378.5	378.0	377.6	377.2
115°	440.0	440.7	440.5	440.3	440.2	440.0	439.5	438.6	437.7	436.9	436.0
117.5°	498.7	499.6	499.0	498.3	497.6	497.0	496.7	496.7	496.7	496.8	496.8
120°	535.9	536.2	535.7	535.2	534.6	534.1	533.9	534.1	534.3	534.5	534.6
122.5°	571.9	572.3	572.0	571.8	571.5	571.3	570.8	570.2	569.5	568.9	568.2
125°	624.8	625.5	625.5	625.5	625.5	625.5	624.9	623.7	622.4	621.2	620.0
127.5°	672.5	672.9	673.0	673.1	673.2	673.3	672.9	672.1	671.2	670.2	669.4
130°	704.0	704.5	704.3	704.1	704.0	703.8	703.3	702.4	701.5	700.6	699.7
132.5°	732.8	732.9	733.3	733.7	734.1	734.5	734.2	733.1	732.1	731.0	730.0
135°	776.0	776.4	776.7	777.0	777.4	777.7	777.4	776.4	775.3	774.3	773.2
137.5°	815.6	815.5	815.9	816.2	816.5	816.8	816.5	815.6	814.7	813.7	812.8
140°	839.9	839.5	839.7	839.9	840.0	840.2	840.1	839.8	839.4	839.1	838.7
142.5°	864.2	864.1	863.9	863.6	863.4	863.1	862.9	862.7	862.5	862.3	862.1
145°	898.2	898.0	898.0	898.0	898.0	898.0	897.8	897.5	897.1	896.8	896.4
147.5°	927.3	927.1	926.9	926.6	926.3	926.1	926.1	926.1	926.2	926.3	926.3
150°	945.7	945.3	945.0	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3
152.5°	962.1	961.8	961.4	961.1	960.7	960.4	960.6	961.4	962.1	962.9	963.7
155°	984.5	984.0	983.7	983.3	983.0	982.6	983.0	984.0	985.1	986.1	987.2
157.5°	1003.2	1002.7	1002.6	1002.6	1002.6	1002.5	1002.8	1003.5	1004.1	1004.7	1005.3
160°	1014.7	1014.0	1013.9	1013.7	1013.5	1013.4	1013.8	1014.8	1015.9	1016.9	1018.0
162.5°	1025.1	1024.2	1024.0	1023.8	1023.6	1023.5	1023.9	1024.9	1026.0	1027.0	1028.1
165°	1038.8	1037.7	1037.5	1037.4	1037.2	1037.0	1037.4	1038.5	1039.6	1040.7	1041.7
167.5°	1048.9	1047.7	1047.5	1047.3	1047.1	1047.0	1047.4	1048.5	1049.7	1050.8	1051.8
170°	1054.2	1052.8	1052.6	1052.4	1052.2	1052.1	1052.6	1053.8	1055.0	1056.2	1057.5
172.5°	1058.4	1057.1	1056.8	1056.5	1056.2	1055.9	1056.3	1057.6	1058.8	1060.1	1061.3
175°	1062.9	1061.5	1061.3	1061.1	1060.9	1060.8	1061.2	1062.3	1063.3	1064.3	1065.4
177.5°	1065.1	1064.1	1064.0	1063.8	1063.7	1063.6	1063.9	1064.8	1065.6	1066.4	1067.3
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333223-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1242.1	1248.0	1251.8	1258.9	1264.8	1268.2	1271.1	1273.6	1276.6	1279.1	1286.2
5°	1250.1	1263.7	1275.3	1293.1	1309.4	1321.9	1335.5	1347.7	1357.7	1371.8	1382.8
7.5°	1246.7	1270.9	1296.3	1323.8	1352.0	1378.3	1402.4	1424.9	1445.4	1470.2	1491.9
10°	1243.3	1276.4	1308.9	1346.0	1384.3	1416.8	1447.2	1478.2	1500.8	1532.3	1558.9
12.5°	1240.8	1279.7	1318.9	1363.7	1405.7	1451.7	1492.2	1514.7	1549.0	1574.2	1606.0
15°	1230.2	1281.6	1335.5	1385.9	1445.7	1488.1	1523.9	1567.9	1599.8	1631.8	1666.5
17.5°	1211.2	1269.4	1329.8	1395.8	1453.2	1498.7	1544.7	1587.2	1625.4	1668.3	1711.3
20°	1202.4	1260.6	1329.8	1397.5	1453.6	1501.3	1548.5	1595.2	1637.1	1692.1	1742.0
22.5°	1184.0	1254.4	1318.1	1384.0	1441.8	1493.8	1547.2	1600.2	1656.0	1718.2	1780.6
25°	1151.0	1222.3	1290.0	1355.0	1413.2	1478.2	1535.4	1606.2	1677.5	1759.8	1837.4
27.5°	1116.8	1185.1	1247.1	1309.9	1377.8	1451.4	1525.5	1605.9	1699.2	1803.1	1912.6
30°	1089.1	1153.7	1214.0	1278.4	1349.2	1432.1	1513.4	1608.8	1716.8	1833.7	1963.8
32.5°	1056.8	1116.3	1174.9	1243.2	1320.3	1407.8	1502.5	1607.1	1737.0	1869.9	2003.7
35°	1001.6	1051.4	1111.7	1184.6	1271.6	1371.8	1481.4	1605.1	1754.0	1906.6	2019.4
37.5°	936.0	982.4	1045.9	1125.8	1217.1	1324.5	1454.6	1601.4	1759.6	1881.3	1917.6
40°	892.0	934.9	1001.1	1083.9	1177.2	1291.0	1433.6	1588.8	1742.0	1819.6	1789.7
42.5°	845.0	890.1	954.4	1036.5	1137.0	1260.8	1407.2	1562.5	1690.8	1720.2	1616.9
45°	770.8	817.5	880.9	963.8	1071.9	1206.1	1358.7	1499.8	1573.7	1520.7	1360.8
47.5°	702.0	745.7	804.5	890.0	1001.5	1140.3	1287.3	1399.8	1405.6	1279.3	1108.4
50°	655.0	695.3	754.6	840.0	950.7	1091.3	1223.9	1312.5	1272.6	1129.5	965.3
52.5°	608.8	648.3	706.8	791.4	900.8	1029.6	1153.0	1215.2	1140.1	993.2	852.9
55°	542.2	576.8	634.0	712.1	816.0	935.5	1040.4	1061.9	964.3	819.6	705.8
57.5°	477.2	509.5	561.5	633.5	728.3	834.2	916.3	911.7	808.6	684.4	594.1
60°	433.1	464.6	510.8	581.0	667.5	758.8	829.0	812.2	710.0	603.0	527.0
62.5°	393.7	421.8	465.4	526.8	605.8	690.4	748.1	723.4	623.2	529.6	469.5
65°	335.6	359.2	396.5	448.9	514.4	584.2	628.7	596.7	511.3	438.4	390.1
67.5°	280.1	299.0	330.2	372.1	428.0	484.0	511.2	479.0	410.6	357.4	321.6
70°	244.9	261.7	285.8	323.1	371.8	419.0	439.4	410.6	351.8	306.2	280.5
72.5°	209.6	223.5	244.7	278.1	317.2	358.2	376.1	348.5	300.2	261.8	237.7
75°	162.1	171.5	186.1	209.2	240.1	272.7	282.7	258.5	227.6	198.7	183.0
77.5°	116.0	124.0	135.1	149.7	171.6	192.3	201.0	187.0	163.1	144.8	131.9
80°	89.2	93.3	102.8	114.8	132.2	145.2	151.0	142.1	125.3	111.7	101.7
82.5°	63.5	67.8	73.4	83.4	94.4	103.3	109.5	103.5	91.4	80.7	74.8
85°	30.9	33.5	36.7	40.9	49.3	54.5	54.0	50.3	45.6	41.4	38.3
87.5°	11.3	12.0	13.6	16.0	17.5	19.4	20.5	19.9	18.5	17.4	16.3
90°	2.2	3.6	5.0	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.4
92.5°	11.2	10.2	9.2	8.3	8.3	9.4	10.5	11.5	12.6	13.5	14.4
95°	44.5	43.9	43.4	42.9	39.3	32.6	26.0	19.3	12.6	13.5	14.4
97.5°	94.9	95.8	96.8	97.8	91.7	78.5	65.2	52.0	38.9	33.9	29.0
100°	132.4	132.9	133.5	134.0	134.6	135.3	136.0	136.7	137.4	111.3	85.1
102.5°	171.1	171.8	172.4	173.1	173.6	174.1	174.5	174.9	175.3	170.4	165.4
105°	232.9	233.6	234.3	235.0	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	296.3	296.3	296.3	296.3	296.5	296.8	297.2	297.5	297.9	297.9	298.0
110°	338.0	338.0	338.0	338.0	338.2	338.5	338.9	339.2	339.6	339.1	338.5



TEST NUMBER: P333223-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	377.6	378.0	378.5	378.9	379.2	379.4	379.6	379.8	380.0	379.4	378.7
115°	436.9	437.7	438.6	439.5	440.0	440.2	440.3	440.5	440.7	440.0	439.3
117.5°	496.8	496.7	496.7	496.7	497.0	497.6	498.3	499.0	499.6	498.7	497.8
120°	534.5	534.3	534.1	533.9	534.1	534.6	535.2	535.7	536.2	535.9	535.5
122.5°	568.9	569.5	570.2	570.8	571.3	571.5	571.8	572.0	572.3	571.9	571.6
125°	621.2	622.4	623.7	624.9	625.5	625.5	625.5	625.5	625.5	624.8	624.1
127.5°	670.2	671.2	672.1	672.9	673.3	673.2	673.1	673.0	672.9	672.5	672.1
130°	700.6	701.5	702.4	703.3	703.8	704.0	704.1	704.3	704.5	704.0	703.4
132.5°	731.0	732.1	733.1	734.2	734.5	734.1	733.7	733.3	732.9	732.8	732.7
135°	774.3	775.3	776.4	777.4	777.7	777.4	777.0	776.7	776.4	776.0	775.7
137.5°	813.7	814.7	815.6	816.5	816.8	816.5	816.2	815.9	815.5	815.6	815.7
140°	839.1	839.4	839.8	840.1	840.2	840.0	839.9	839.7	839.5	839.9	840.2
142.5°	862.3	862.5	862.7	862.9	863.1	863.4	863.6	863.9	864.1	864.2	864.3
145°	896.8	897.1	897.5	897.8	898.0	898.0	898.0	898.0	898.0	898.2	898.3
147.5°	926.3	926.2	926.1	926.1	926.1	926.3	926.6	926.9	927.1	927.3	927.5
150°	945.0	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3	945.7	946.0
152.5°	962.9	962.1	961.4	960.6	960.4	960.7	961.1	961.4	961.8	962.1	962.5
155°	986.1	985.1	984.0	983.0	982.6	983.0	983.3	983.7	984.0	984.5	985.1
157.5°	1004.7	1004.1	1003.5	1002.8	1002.5	1002.6	1002.6	1002.6	1002.7	1003.2	1003.8
160°	1016.9	1015.9	1014.8	1013.8	1013.4	1013.5	1013.7	1013.9	1014.0	1014.7	1015.4
162.5°	1027.0	1026.0	1024.9	1023.9	1023.5	1023.6	1023.8	1024.0	1024.2	1025.1	1026.1
165°	1040.7	1039.6	1038.5	1037.4	1037.0	1037.2	1037.4	1037.5	1037.7	1038.8	1039.9
167.5°	1050.8	1049.7	1048.5	1047.4	1047.0	1047.1	1047.3	1047.5	1047.7	1048.9	1050.3
170°	1056.2	1055.0	1053.8	1052.6	1052.1	1052.2	1052.4	1052.6	1052.8	1054.2	1055.5
172.5°	1060.1	1058.8	1057.6	1056.3	1055.9	1056.2	1056.5	1056.8	1057.1	1058.4	1059.7
175°	1064.3	1063.3	1062.3	1061.2	1060.8	1060.9	1061.1	1061.3	1061.5	1062.9	1064.2
177.5°	1066.4	1065.6	1064.8	1063.9	1063.6	1063.7	1063.8	1064.0	1064.1	1065.1	1066.1
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1292.0	1295.5	1302.5	1300.0	1303.4	1305.0	1306.8
5°	1396.4	1413.2	1420.6	1419.5	1430.5	1427.8	1425.2
7.5°	1514.3	1532.0	1541.8	1554.1	1561.2	1561.7	1567.9
10°	1581.0	1604.1	1613.6	1626.6	1635.0	1639.7	1639.2
12.5°	1632.1	1650.2	1671.4	1677.8	1689.1	1695.1	1692.9
15°	1693.7	1722.6	1744.6	1755.7	1769.8	1773.9	1779.8
17.5°	1748.7	1787.4	1813.1	1847.2	1860.2	1868.0	1863.4
20°	1790.2	1841.1	1866.8	1907.7	1930.3	1942.3	1938.1
22.5°	1839.3	1894.4	1941.9	1977.3	2011.7	2027.9	2031.2
25°	1923.4	1998.9	2068.7	2115.4	2157.8	2167.8	2189.8
27.5°	2017.4	2106.5	2181.0	2230.1	2259.7	2270.8	2277.6
30°	2076.6	2165.2	2221.3	2252.7	2262.2	2261.1	2260.1
32.5°	2105.5	2161.0	2171.7	2162.9	2141.3	2123.1	2104.1
35°	2064.5	2023.1	1961.2	1881.5	1822.7	1763.5	1757.7
37.5°	1856.7	1724.2	1621.2	1506.2	1439.9	1398.9	1370.5
40°	1661.2	1510.8	1385.9	1288.9	1221.2	1194.6	1168.3
42.5°	1449.0	1305.1	1194.7	1113.6	1062.7	1033.0	1012.3
45°	1177.2	1050.4	963.8	905.0	864.7	841.6	828.5
47.5°	964.6	870.8	797.3	754.9	727.0	709.0	709.1
50°	850.5	760.8	712.1	678.5	654.4	640.3	642.9
52.5°	749.4	682.5	640.8	612.7	594.8	586.1	585.8
55°	626.6	578.3	551.1	530.7	518.6	508.7	510.8
57.5°	536.0	495.3	477.1	460.1	451.7	447.7	441.9
60°	479.8	448.4	432.6	419.0	410.6	407.5	401.6
62.5°	429.9	405.2	389.8	378.7	371.1	370.1	365.6
65°	361.3	342.4	328.8	323.6	315.7	313.6	313.6
67.5°	297.8	284.3	273.8	268.9	265.4	266.0	263.5
70°	258.0	247.0	240.1	234.9	232.3	232.8	230.8
72.5°	225.7	213.4	207.4	204.3	200.9	202.2	201.4
75°	171.0	164.6	161.5	158.3	156.2	155.2	154.2
77.5°	125.5	120.0	117.5	115.8	116.1	113.6	115.5
80°	97.0	92.3	90.7	88.1	87.6	87.6	87.1
82.5°	71.0	68.4	67.3	65.0	64.1	64.9	63.5
85°	36.7	34.6	34.1	34.1	33.0	32.0	34.6
87.5°	16.5	14.9	15.1	14.8	14.9	14.6	13.8
90°	15.2	16.2	16.9	17.4	17.9	18.4	19.0
92.5°	15.2	16.2	16.7	17.0	17.2	17.5	17.7
95°	15.2	16.2	16.6	16.6	16.6	16.6	16.6
97.5°	24.0	19.1	16.6	16.6	16.6	16.6	16.6
100°	59.0	32.8	19.4	18.7	18.0	17.3	16.6
102.5°	160.5	155.5	147.1	135.1	123.2	111.3	99.4
105°	235.3	235.3	235.3	235.1	234.9	234.7	234.6
107.5°	298.0	298.0	297.8	297.3	296.7	296.2	295.7
110°	338.0	337.5	337.3	337.5	337.7	337.8	338.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	378.0	377.4	376.9	376.7	376.4	376.2	376.0
115°	438.6	437.9	437.0	436.0	434.8	433.8	432.8
117.5°	496.9	495.9	495.2	494.8	494.3	493.9	493.4
120°	535.2	534.8	534.2	533.3	532.5	531.6	530.7
122.5°	571.2	570.9	570.2	569.2	568.2	567.1	566.1
125°	623.4	622.7	622.1	621.6	621.0	620.5	620.0
127.5°	671.8	671.4	670.4	669.2	667.9	666.6	665.3
130°	702.9	702.4	701.7	700.7	699.9	699.0	698.1
132.5°	732.6	732.5	732.0	731.1	730.2	729.3	728.5
135°	775.3	775.0	774.3	773.2	772.1	771.0	770.0
137.5°	815.7	815.8	815.4	814.5	813.5	812.6	811.7
140°	840.6	840.9	840.6	839.5	838.5	837.4	836.4
142.5°	864.3	864.4	863.9	862.9	861.8	860.8	859.7
145°	898.5	898.7	898.2	897.2	896.2	895.0	894.0
147.5°	927.7	927.9	927.4	926.0	924.8	923.5	922.3
150°	946.4	946.7	946.2	944.8	943.4	942.0	940.6
152.5°	962.8	963.2	962.7	961.5	960.2	959.0	957.7
155°	985.6	986.1	985.7	984.3	982.9	981.5	980.1
157.5°	1004.4	1004.9	1004.5	1003.1	1001.7	1000.3	998.9
160°	1016.1	1016.8	1016.5	1015.1	1013.7	1012.3	1010.9
162.5°	1027.1	1028.0	1027.8	1026.2	1024.7	1023.2	1021.7
165°	1040.9	1042.0	1041.8	1040.4	1038.9	1037.5	1036.1
167.5°	1051.5	1052.8	1052.6	1051.0	1049.5	1047.8	1046.3
170°	1056.9	1058.3	1058.2	1056.7	1055.1	1053.5	1052.0
172.5°	1061.0	1062.3	1062.1	1060.5	1058.9	1057.3	1055.7
175°	1065.6	1067.0	1066.9	1065.4	1063.8	1062.3	1060.7
177.5°	1067.0	1068.0	1068.0	1066.8	1065.7	1064.6	1063.5
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4

(END OF REPORT)