

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: P333234

Luminaire Tested: **S125DIP-S850D1035U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333234
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D1035U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7168.0 lumens
Efficiency: N/A
Efficacy: 137.8 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

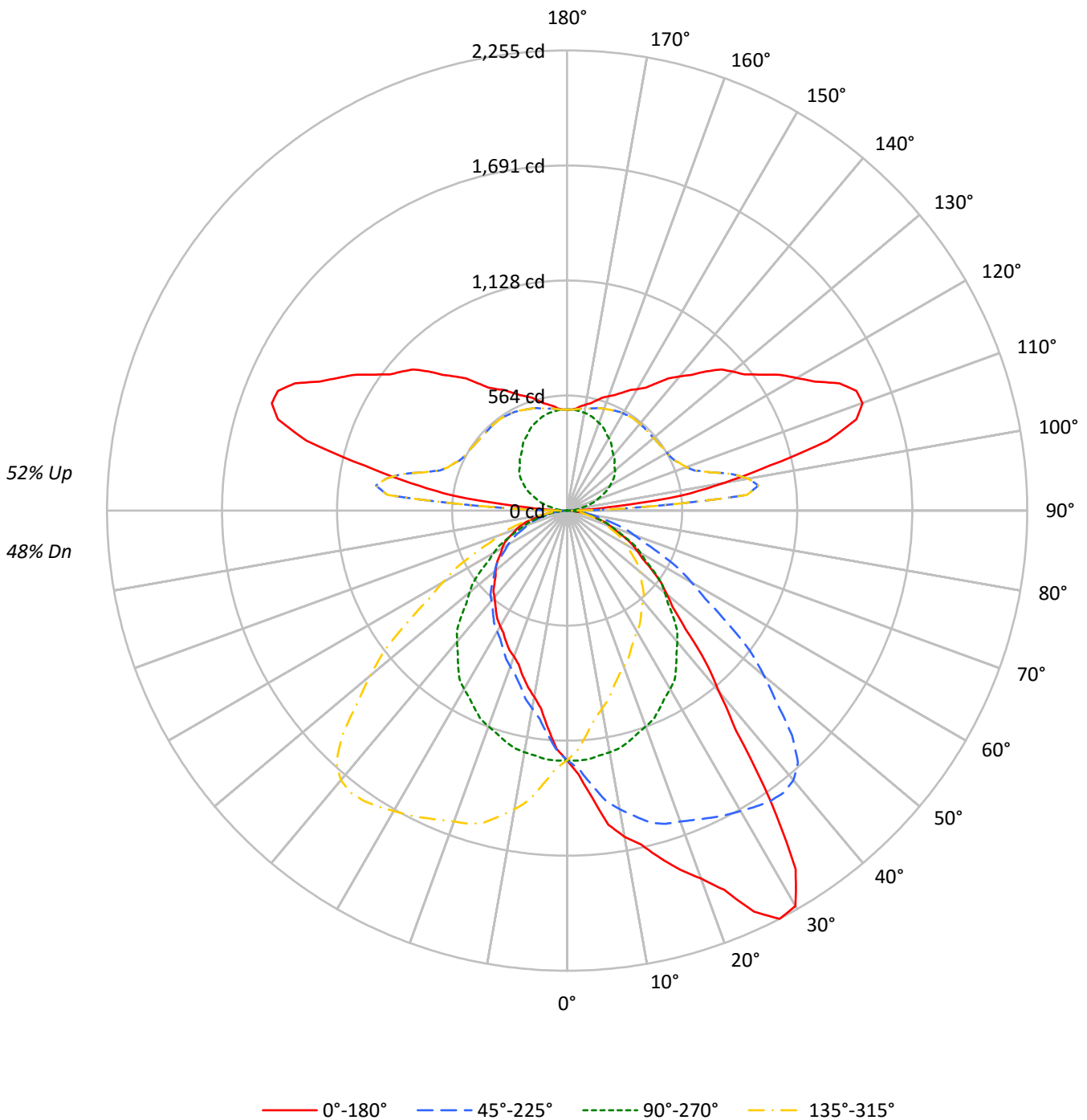
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41	
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35	35	35	35	
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30	30	30	30	
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25	25	25	25	
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	25	22	22	22	22	
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	20	20	20	20	
7	58	46	38	33	53	43	36	31	37	31	27	31	27	24	26	22	20	17	17	17	17	
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	16	16	16	16	
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	16	14	14	14	14	
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13	13	13	13	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7901	7901	7901	7901
5°	9149	7927	6941	7927
10°	10645	7887	6082	7887
15°	11784	7829	5610	7829
20°	13190	7737	5232	7737
25°	15452	7633	5047	7633
30°	16690	7532	4887	7532
35°	13722	7340	4782	7340
40°	9754	7074	4666	7074
45°	7493	6716	4601	6716
50°	6396	6271	4591	6271
55°	5695	5835	4631	5835
60°	5137	5359	4748	5359
65°	4745	4879	4872	4879
70°	4315	4383	4942	4383
75°	3810	3860	4898	3860
80°	3206	3146	4482	3146
85°	2542	2267	3616	2267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	1.6
10°-20°	350.7	4.9
20°-30°	569.4	7.9
30°-40°	694.5	9.7
40°-50°	631.8	8.8
50°-60°	503.3	7.0
60°-70°	350.5	4.9
70°-80°	186.9	2.6
80°-90°	49.9	0.7
90°-100°	358.9	5.0
100°-110°	771.5	10.8
110°-120°	724.1	10.1
120°-130°	586.8	8.2
130°-140°	470.9	6.6
140°-150°	355.4	5.0
150°-160°	250.1	3.5
160°-170°	147.4	2.1
170°-180°	48.0	0.7
0°-30°	1037.8	14.5
0°-40°	1732.4	24.2
0°-60°	2867.5	40.0
0°-90°	3454.9	48.2
90°-120°	1854.5	25.9
90°-150°	3267.6	45.6
90°-180°	3713.0	51.8
0°-180°	7168.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1223	1223	1223	1223	1223	
5°	1411	1223	1071	1223	1411	142
15°	1762	1171	839	1171	1762	504
25°	2168	1071	708	1071	2168	990
35°	1740	931	606	931	1740	1065
45°	820	735	504	735	820	657
55°	506	518	411	518	506	455
65°	310	319	319	319	310	308
75°	153	155	196	155	153	164
85°	34	31	49	31	34	40
90°	23	1	23	1	23	17
95°	235	33	235	33	235	332
105°	1323	113	1323	113	1323	1315
115°	1474	202	1474	202	1474	1440
125°	1161	280	1161	280	1161	1050
135°	964	327	964	327	964	747
145°	761	381	761	381	761	483
155°	638	435	638	435	638	297
165°	559	475	559	475	559	160
175°	502	494	502	494	502	49
180°	495	495	495	495	495	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1294.0	1292.3	1290.7	1287.3	1289.8	1282.8	1279.4	1273.6	1266.6	1264.1	1261.2
5°	1411.3	1413.9	1416.5	1405.6	1406.7	1399.4	1382.8	1369.3	1358.4	1344.4	1334.5
7.5°	1552.6	1546.4	1545.9	1538.9	1526.7	1517.0	1499.5	1477.3	1455.8	1431.3	1411.0
10°	1623.2	1623.7	1619.0	1610.7	1597.8	1588.4	1565.6	1543.7	1517.3	1486.1	1463.8
12.5°	1676.4	1678.5	1672.6	1661.4	1655.1	1634.1	1616.2	1590.3	1558.8	1533.9	1499.9
15°	1762.4	1756.6	1752.5	1738.5	1727.6	1705.8	1677.2	1650.2	1615.9	1584.2	1552.6
17.5°	1845.2	1849.8	1842.0	1829.2	1795.4	1769.9	1731.6	1694.6	1652.0	1609.5	1571.7
20°	1919.2	1923.3	1911.4	1889.1	1848.6	1823.1	1772.7	1725.0	1675.6	1621.1	1579.6
22.5°	2011.4	2008.1	1992.0	1958.0	1922.9	1875.9	1821.3	1763.2	1701.4	1639.8	1584.6
25°	2168.4	2146.6	2136.7	2094.7	2048.5	1979.4	1904.6	1819.5	1742.6	1661.1	1590.5
27.5°	2255.4	2248.6	2237.6	2208.3	2159.7	2085.9	1997.7	1893.9	1785.5	1682.6	1590.2
30°	2238.0	2239.0	2240.1	2230.7	2199.6	2144.0	2056.3	1944.6	1815.8	1700.0	1593.1
32.5°	2083.5	2102.4	2120.4	2141.8	2150.5	2139.9	2084.9	1984.1	1851.6	1720.0	1591.4
35°	1740.5	1746.3	1804.9	1863.1	1942.0	2003.3	2044.3	1999.7	1888.0	1736.9	1589.4
37.5°	1357.1	1385.2	1425.8	1491.5	1605.4	1707.4	1838.6	1898.9	1862.9	1742.4	1585.8
40°	1156.9	1182.9	1209.3	1276.3	1372.4	1496.0	1645.0	1772.2	1801.8	1725.0	1573.3
42.5°	1002.4	1022.9	1052.3	1102.7	1183.0	1292.4	1434.8	1601.1	1703.4	1674.3	1547.2
45°	820.4	833.4	856.3	896.2	954.4	1040.1	1165.7	1347.5	1505.8	1558.3	1485.1
47.5°	702.2	702.1	719.9	747.5	789.5	862.3	955.2	1097.6	1266.8	1391.9	1386.1
50°	636.6	634.0	648.0	671.9	705.1	753.4	842.2	955.9	1118.5	1260.2	1299.7
52.5°	580.1	580.4	589.0	606.7	634.5	675.8	742.1	844.6	983.5	1129.0	1203.3
55°	505.8	503.7	513.5	525.5	545.7	572.7	620.5	698.9	811.6	954.9	1051.5
57.5°	437.6	443.3	447.3	455.6	472.4	490.5	530.8	588.3	677.7	800.7	902.8
60°	397.7	403.5	406.6	414.9	428.4	444.0	475.1	521.9	597.1	703.1	804.3
62.5°	362.0	366.5	367.5	375.0	386.0	401.2	425.7	464.9	524.4	617.1	716.3
65°	310.5	310.5	312.6	320.4	325.6	339.1	357.8	386.3	434.1	506.3	590.9
67.5°	260.9	263.4	262.8	266.3	271.1	281.5	294.9	318.5	353.9	406.6	474.3
70°	228.5	230.5	230.0	232.6	237.8	244.6	255.5	277.8	303.2	348.4	406.6
72.5°	199.4	200.2	198.9	202.3	205.4	211.3	223.5	235.4	259.2	297.3	345.1
75°	152.7	153.7	154.7	156.8	159.9	163.0	169.3	181.2	196.8	225.4	256.0
77.5°	114.4	112.5	115.0	114.7	116.4	118.8	124.3	130.6	143.4	161.5	185.2
80°	86.2	86.7	86.7	87.2	89.8	91.4	96.1	100.7	110.6	124.1	140.7
82.5°	62.9	64.3	63.5	64.4	66.6	67.7	70.3	74.1	79.9	90.5	102.5
85°	34.3	31.7	32.7	33.8	33.8	34.3	36.3	37.9	41.0	45.2	49.8
87.5°	14.6	15.4	15.6	15.6	16.0	15.6	17.1	16.9	17.9	19.0	20.2
90°	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0	17.0	16.0	14.0
92.5°	63.7	65.3	66.7	69.1	81.9	96.6	128.4	176.9	260.5	321.8	327.0
95°	234.6	250.6	258.6	288.5	359.4	443.2	566.0	717.8	865.5	884.5	721.8
97.5°	567.0	579.8	608.7	664.7	726.3	842.9	962.5	1069.0	1095.1	944.6	644.5
100°	778.7	794.6	831.6	903.4	972.3	1076.1	1179.0	1227.9	1151.0	901.4	575.0
102.5°	1015.0	1027.0	1067.2	1118.3	1191.9	1262.2	1311.5	1281.4	1117.5	825.6	522.3
105°	1322.7	1334.7	1354.7	1387.6	1419.5	1430.5	1386.6	1249.8	1010.3	723.7	471.2
107.5°	1486.0	1494.0	1500.6	1500.8	1484.6	1432.5	1319.7	1137.2	900.8	653.7	449.6
110°	1540.3	1540.3	1533.3	1514.4	1469.5	1384.6	1243.8	1054.2	838.5	620.9	443.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1533.9	1526.8	1509.4	1476.8	1411.2	1311.1	1168.8	988.7	792.2	601.8	443.2
115°	1473.5	1460.5	1432.5	1384.6	1306.7	1197.9	1061.2	906.4	741.7	581.0	446.2
117.5°	1367.4	1359.4	1331.7	1282.2	1204.3	1104.5	986.7	853.3	711.6	570.8	452.8
120°	1298.8	1290.8	1263.8	1215.9	1142.0	1054.2	944.4	824.6	694.8	566.0	459.2
122.5°	1238.1	1230.9	1203.9	1160.0	1094.1	1011.8	914.0	803.0	680.4	562.0	464.8
125°	1161.0	1151.0	1129.0	1088.1	1032.2	960.3	873.5	771.7	660.9	557.0	474.2
127.5°	1095.1	1090.7	1069.9	1033.8	983.1	915.8	834.8	739.7	642.9	554.6	484.8
130°	1059.2	1053.2	1033.2	1000.3	950.4	885.5	807.6	719.8	630.9	553.0	491.2
132.5°	1023.2	1016.4	998.1	965.1	915.2	852.7	782.0	699.8	621.3	553.0	498.3
135°	964.3	958.3	940.4	907.4	863.5	806.6	742.7	673.8	609.9	553.0	508.1
137.5°	901.4	894.9	878.3	848.3	809.0	760.7	707.6	651.9	599.8	554.2	517.1
140°	857.5	852.5	837.6	811.6	774.7	732.7	686.8	639.9	595.0	555.0	521.1
142.5°	816.8	812.6	798.4	776.5	745.1	708.8	669.2	629.5	591.0	555.8	523.5
145°	760.7	756.7	745.7	728.7	704.8	677.8	646.9	615.9	585.0	555.0	526.1
147.5°	713.2	711.4	705.0	691.4	672.4	652.1	628.3	603.2	578.8	552.4	527.1
150°	686.8	685.8	681.8	669.8	654.9	636.9	617.9	596.0	574.0	550.0	527.1
152.5°	666.0	665.0	661.1	651.5	638.9	624.9	607.5	588.0	568.4	546.9	526.3
155°	637.9	636.9	633.9	626.9	616.9	606.0	592.0	576.0	559.0	541.1	524.1
157.5°	612.7	612.9	610.1	604.4	596.6	588.0	577.2	564.0	550.2	535.1	521.5
160°	596.0	597.0	595.0	590.0	583.0	576.0	566.0	556.0	543.1	531.1	519.1
162.5°	580.8	581.0	580.6	576.4	571.0	564.8	556.4	547.3	536.7	526.3	516.7
165°	559.0	559.0	559.0	557.0	553.0	548.1	542.1	535.1	527.1	519.1	513.1
167.5°	539.1	539.3	540.1	538.3	536.3	532.7	528.1	523.5	517.7	512.1	507.5
170°	527.1	528.1	528.1	527.1	525.1	523.1	520.1	517.1	512.1	508.1	505.1
172.5°	515.9	516.9	518.5	516.7	516.3	515.1	512.9	509.9	506.5	503.3	501.9
175°	502.1	503.1	505.1	504.1	504.1	504.1	502.1	502.1	499.1	498.1	498.1
177.5°	495.1	495.1	497.5	496.7	497.5	497.5	497.5	496.7	495.9	495.1	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1258.7	1255.8	1252.4	1246.6	1239.6	1235.8	1230.0	1226.3	1218.8	1212.6	1205.9
5°	1322.5	1309.0	1296.6	1280.5	1262.8	1251.4	1237.9	1222.8	1207.3	1191.2	1173.5
7.5°	1388.7	1364.8	1338.8	1310.9	1283.6	1258.5	1234.5	1210.9	1188.9	1162.3	1139.8
10°	1433.1	1403.0	1370.8	1332.9	1296.1	1263.9	1231.2	1202.6	1173.5	1142.4	1114.8
12.5°	1477.6	1437.5	1392.0	1350.4	1306.0	1267.2	1228.7	1192.2	1155.7	1121.2	1089.1
15°	1509.0	1473.6	1431.6	1372.4	1322.5	1269.1	1218.2	1170.9	1126.8	1088.4	1047.9
17.5°	1529.6	1484.1	1439.0	1382.2	1316.8	1257.0	1199.4	1145.3	1095.5	1046.8	1007.8
20°	1533.4	1486.6	1439.4	1383.8	1316.8	1248.3	1190.7	1125.7	1072.3	1021.9	974.1
22.5°	1532.1	1479.2	1427.7	1370.5	1305.2	1242.1	1172.4	1106.2	1048.2	998.6	948.8
25°	1520.4	1463.8	1399.4	1341.8	1277.4	1210.4	1139.8	1071.2	1012.0	955.4	906.1
27.5°	1510.6	1437.2	1364.3	1297.1	1234.9	1173.5	1105.9	1035.7	970.1	912.7	866.2
30°	1498.6	1418.1	1336.0	1265.9	1202.1	1142.4	1078.5	1010.0	941.4	885.3	835.5
32.5°	1487.8	1394.0	1307.4	1231.1	1163.4	1105.4	1046.5	981.3	914.0	857.1	807.2
35°	1466.9	1358.4	1259.2	1173.0	1100.8	1041.1	991.8	931.0	869.2	814.2	766.4
37.5°	1440.4	1311.6	1205.2	1114.8	1035.7	972.8	926.9	880.2	820.9	767.9	724.7
40°	1419.6	1278.4	1165.7	1073.3	991.3	925.8	883.3	839.1	789.8	740.5	694.8
42.5°	1393.5	1248.5	1125.9	1026.4	945.1	881.4	836.7	799.2	755.7	709.7	667.3
45°	1345.4	1194.3	1061.4	954.4	872.3	809.5	763.3	735.3	702.6	658.9	623.1
47.5°	1274.7	1129.2	991.7	881.3	796.6	738.4	695.1	668.2	645.1	612.7	580.2
50°	1211.9	1080.6	941.4	831.8	747.2	688.5	648.6	624.1	604.4	579.5	552.0
52.5°	1141.7	1019.5	892.0	783.7	699.9	642.0	602.9	581.4	565.0	547.1	520.0
55°	1030.2	926.4	808.0	705.1	627.8	571.2	536.9	518.2	504.7	491.2	474.6
57.5°	907.3	826.1	721.2	627.3	556.0	504.5	472.5	454.3	443.9	436.9	427.1
60°	820.9	751.4	661.0	575.3	505.8	460.1	428.9	414.9	406.1	400.3	393.1
62.5°	740.8	683.7	599.9	521.7	460.9	417.7	389.9	376.3	367.8	365.0	359.0
65°	622.6	578.5	509.4	444.5	392.6	355.7	332.3	319.3	314.1	311.0	311.6
67.5°	506.2	479.3	423.8	368.5	327.0	296.1	277.4	267.4	264.8	260.7	260.6
70°	435.1	414.9	368.2	319.9	283.0	259.1	242.5	232.1	229.5	227.4	226.9
72.5°	372.4	354.7	314.1	275.4	242.3	221.3	207.6	201.4	197.1	195.9	195.8
75°	279.9	270.0	237.8	207.2	184.3	169.8	160.5	154.7	151.6	151.1	151.6
77.5°	199.0	190.4	169.9	148.2	133.8	122.8	114.9	112.9	109.4	109.5	108.9
80°	149.5	143.8	130.9	113.7	101.8	92.4	88.3	84.6	83.6	82.0	83.6
82.5°	108.4	102.3	93.5	82.6	72.7	67.1	62.9	61.8	61.2	60.4	60.8
85°	53.5	54.0	48.8	40.5	36.3	33.2	30.6	30.6	30.1	29.6	30.1
87.5°	20.9	19.6	17.8	16.1	13.7	12.0	11.2	11.4	10.4	10.4	11.2
90°	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0	2.0	4.0	6.0
92.5°	227.8	136.4	81.9	52.7	35.5	23.2	14.8	12.2	14.8	23.2	35.5
95°	446.2	226.6	119.8	74.9	52.9	41.9	33.9	32.9	33.9	41.9	52.9
97.5°	356.2	195.3	124.6	92.2	72.5	61.5	55.9	54.7	55.9	61.5	72.5
100°	323.4	193.7	135.8	105.8	86.8	75.9	71.9	69.9	71.9	75.9	86.8
102.5°	309.9	200.9	149.3	120.2	102.8	91.0	87.8	86.7	87.8	91.0	102.8
105°	304.5	215.6	171.7	143.8	127.8	117.8	112.8	112.8	112.8	117.8	127.8
107.5°	313.7	237.6	195.1	169.9	153.3	145.1	140.4	138.4	140.4	145.1	153.3
110°	322.4	253.6	212.6	186.7	171.7	162.7	158.7	156.7	158.7	162.7	171.7



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	333.6	268.7	229.4	204.2	189.3	180.3	177.1	175.1	177.1	180.3	189.3
115°	350.4	292.5	255.6	230.6	215.6	206.6	203.6	201.7	203.6	206.6	215.6
117.5°	369.6	316.9	281.9	257.8	240.8	231.8	228.6	225.6	228.6	231.8	240.8
120°	382.3	334.4	299.5	274.5	257.6	248.6	244.6	241.6	244.6	248.6	257.6
122.5°	396.7	351.2	316.3	291.3	272.7	263.7	260.5	258.4	260.5	263.7	272.7
125°	416.3	373.4	340.4	314.5	295.5	286.5	281.5	279.5	281.5	286.5	295.5
127.5°	434.2	394.7	363.0	337.0	316.9	305.5	299.1	296.1	299.1	305.5	316.9
130°	446.2	408.3	377.3	351.4	330.4	317.5	309.5	306.5	309.5	317.5	330.4
132.5°	456.6	421.1	390.1	364.2	342.4	327.8	318.2	314.5	318.2	327.8	342.4
135°	471.2	438.2	407.3	380.3	359.4	343.4	331.4	327.4	331.4	343.4	359.4
137.5°	482.0	450.4	422.3	394.5	374.0	358.0	346.8	343.8	346.8	358.0	374.0
140°	489.2	459.2	430.3	403.3	384.3	368.4	356.4	353.4	356.4	368.4	384.3
142.5°	493.1	464.8	437.4	412.1	393.9	377.9	366.8	364.6	366.8	377.9	393.9
145°	499.1	474.2	448.2	425.3	407.3	393.3	383.3	381.3	383.3	393.3	407.3
147.5°	502.7	480.2	457.4	437.2	421.7	408.7	400.1	398.9	400.1	408.7	421.7
150°	505.1	484.2	462.2	445.2	431.3	418.3	411.3	409.3	411.3	418.3	431.3
152.5°	506.7	488.2	467.8	452.4	439.2	427.9	421.7	420.5	421.7	427.9	439.2
155°	508.1	492.1	475.2	461.2	451.2	441.2	435.2	435.2	435.2	441.2	451.2
157.5°	509.1	495.5	481.0	470.4	461.6	453.0	448.2	448.4	448.2	453.0	461.6
160°	509.1	497.1	484.2	475.2	467.2	460.2	456.2	457.2	456.2	460.2	467.2
162.5°	508.3	498.7	487.4	480.0	473.6	467.4	463.4	464.4	463.4	467.4	473.6
165°	507.1	499.1	491.2	485.2	481.2	476.2	473.2	475.2	473.2	476.2	481.2
167.5°	504.7	499.1	492.5	488.8	486.0	483.2	481.4	482.4	481.4	483.2	486.0
170°	503.1	499.1	494.1	491.2	489.2	487.2	486.2	487.2	486.2	487.2	489.2
172.5°	501.5	498.3	494.1	492.7	491.5	489.6	488.6	490.4	488.6	489.6	491.5
175°	499.1	497.1	494.1	494.1	494.1	493.1	492.1	494.1	492.1	493.1	494.1
177.5°	496.7	495.9	494.3	494.3	495.1	494.3	494.3	495.9	494.3	494.3	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1202.2	1197.6	1193.9	1185.6	1181.0	1174.8	1169.8	1175.2	1169.4	1171.9	1168.1
5°	1164.7	1150.2	1139.8	1124.7	1111.7	1099.8	1091.0	1089.4	1085.2	1083.2	1076.9
7.5°	1119.6	1101.4	1083.6	1063.9	1047.2	1030.3	1019.5	1010.6	1004.7	996.9	991.6
10°	1093.0	1068.6	1047.9	1024.0	1003.2	985.0	970.5	963.2	956.5	946.6	943.0
12.5°	1060.2	1035.0	1009.6	984.1	964.2	943.9	931.4	920.4	915.8	904.6	903.5
15°	1020.9	983.0	958.0	932.1	904.5	887.9	877.5	865.6	860.4	852.6	846.9
17.5°	973.9	940.1	908.9	882.0	858.4	844.4	831.5	823.3	814.4	809.3	800.0
20°	939.9	907.7	876.5	847.9	829.8	813.7	803.3	795.5	786.2	783.6	774.2
22.5°	911.2	875.7	845.8	821.8	801.9	783.8	772.5	767.3	760.8	752.8	750.9
25°	864.6	827.7	802.3	778.4	760.7	744.1	736.3	729.6	723.3	717.6	715.5
27.5°	824.3	791.3	761.1	739.5	724.2	709.0	702.1	693.9	689.4	684.8	679.2
30°	796.0	762.3	735.8	715.0	698.4	684.9	677.6	671.9	667.8	663.6	660.5
32.5°	766.9	735.7	710.0	689.7	673.1	662.9	656.4	652.4	647.8	642.8	638.9
35°	728.5	694.2	669.3	651.7	638.7	630.9	623.6	620.0	614.8	614.8	610.6
37.5°	685.2	655.6	633.6	617.5	605.9	598.9	591.0	588.5	585.2	583.0	581.6
40°	659.5	631.9	611.2	595.1	582.6	576.9	570.7	566.5	564.4	561.8	560.8
42.5°	632.9	606.6	586.7	571.8	561.0	556.1	550.3	547.4	543.2	539.8	539.2
45°	592.5	567.0	548.9	536.9	527.6	521.9	518.2	512.0	509.9	505.8	505.2
47.5°	554.1	529.7	511.9	502.1	493.9	489.2	483.5	477.3	474.9	472.8	472.6
50°	525.5	503.2	486.5	477.2	469.4	462.7	456.9	452.8	451.2	451.2	452.3
52.5°	496.4	477.4	463.3	451.9	444.5	437.3	432.0	429.5	427.1	429.6	431.5
55°	453.8	434.6	424.2	413.3	406.1	397.7	395.2	394.1	392.6	396.7	398.8
57.5°	408.8	395.3	383.1	372.3	365.8	361.0	357.5	356.8	359.7	361.7	368.5
60°	380.1	364.5	353.6	345.3	337.5	334.4	333.4	332.3	334.4	340.1	348.9
62.5°	348.5	335.9	324.1	317.9	312.2	307.0	306.8	307.4	311.6	318.1	326.9
65°	302.2	291.3	283.5	276.2	271.6	268.5	269.5	271.6	276.2	285.1	294.9
67.5°	255.2	247.7	240.7	234.8	230.3	230.3	231.4	234.5	240.0	250.2	259.2
70°	224.8	216.5	210.8	208.2	204.6	202.5	205.6	210.8	215.5	224.8	232.6
72.5°	194.5	187.5	183.0	181.2	179.7	178.0	179.0	184.6	191.0	200.3	209.4
75°	149.5	146.9	143.8	141.8	140.2	141.2	142.3	147.5	152.7	162.5	172.9
77.5°	109.1	106.4	104.6	104.1	103.2	103.7	106.7	110.5	115.6	122.8	130.6
80°	82.6	81.5	80.5	80.0	80.0	80.5	84.6	87.2	91.9	98.7	104.9
82.5°	60.1	59.5	59.3	59.2	59.6	59.7	62.2	65.6	69.5	74.6	80.0
85°	31.7	30.6	32.2	32.7	31.7	33.2	34.3	36.3	37.9	40.5	43.1
87.5°	12.0	13.2	13.0	13.8	14.0	15.2	15.0	16.9	17.9	18.9	18.9
90°	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0	19.0	20.0	22.0
92.5°	52.7	81.9	136.4	227.8	327.0	321.8	260.5	176.9	128.4	96.6	81.9
95°	74.9	119.8	226.6	446.2	721.8	884.5	865.5	717.8	566.0	443.2	359.4
97.5°	92.2	124.6	195.3	356.2	644.5	944.6	1095.1	1069.0	962.5	842.9	726.3
100°	105.8	135.8	193.7	323.4	575.0	901.4	1151.0	1227.9	1179.0	1076.1	972.3
102.5°	120.2	149.3	200.9	309.9	522.3	825.6	1117.5	1281.4	1311.5	1262.2	1191.9
105°	143.8	171.7	215.6	304.5	471.2	723.7	1010.3	1249.8	1386.6	1430.5	1419.5
107.5°	169.9	195.1	237.6	313.7	449.6	653.7	900.8	1137.2	1319.7	1432.5	1484.6
110°	186.7	212.6	253.6	322.4	443.2	620.9	838.5	1054.2	1243.8	1384.6	1469.5



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	204.2	229.4	268.7	333.6	443.2	601.8	792.2	988.7	1168.8	1311.1	1411.2
115°	230.6	255.6	292.5	350.4	446.2	581.0	741.7	906.4	1061.2	1197.9	1306.7
117.5°	257.8	281.9	316.9	369.6	452.8	570.8	711.6	853.3	986.7	1104.5	1204.3
120°	274.5	299.5	334.4	382.3	459.2	566.0	694.8	824.6	944.4	1054.2	1142.0
122.5°	291.3	316.3	351.2	396.7	464.8	562.0	680.4	803.0	914.0	1011.8	1094.1
125°	314.5	340.4	373.4	416.3	474.2	557.0	660.9	771.7	873.5	960.3	1032.2
127.5°	337.0	363.0	394.7	434.2	484.8	554.6	642.9	739.7	834.8	915.8	983.1
130°	351.4	377.3	408.3	446.2	491.2	553.0	630.9	719.8	807.6	885.5	950.4
132.5°	364.2	390.1	421.1	456.6	498.3	553.0	621.3	699.8	782.0	852.7	915.2
135°	380.3	407.3	438.2	471.2	508.1	553.0	609.9	673.8	742.7	806.6	863.5
137.5°	394.5	422.3	450.4	482.0	517.1	554.2	599.8	651.9	707.6	760.7	809.0
140°	403.3	430.3	459.2	489.2	521.1	555.0	595.0	639.9	686.8	732.7	774.7
142.5°	412.1	437.4	464.8	493.1	523.5	555.8	591.0	629.5	669.2	708.8	745.1
145°	425.3	448.2	474.2	499.1	526.1	555.0	585.0	615.9	646.9	677.8	704.8
147.5°	437.2	457.4	480.2	502.7	527.1	552.4	578.8	603.2	628.3	652.1	672.4
150°	445.2	462.2	484.2	505.1	527.1	550.0	574.0	596.0	617.9	636.9	654.9
152.5°	452.4	467.8	488.2	506.7	526.3	546.9	568.4	588.0	607.5	624.9	638.9
155°	461.2	475.2	492.1	508.1	524.1	541.1	559.0	576.0	592.0	606.0	616.9
157.5°	470.4	481.0	495.5	509.1	521.5	535.1	550.2	564.0	577.2	588.0	596.6
160°	475.2	484.2	497.1	509.1	519.1	531.1	543.1	556.0	566.0	576.0	583.0
162.5°	480.0	487.4	498.7	508.3	516.7	526.3	536.7	547.3	556.4	564.8	571.0
165°	485.2	491.2	499.1	507.1	513.1	519.1	527.1	535.1	542.1	548.1	553.0
167.5°	488.8	492.5	499.1	504.7	507.5	512.1	517.7	523.5	528.1	532.7	536.3
170°	491.2	494.1	499.1	503.1	505.1	508.1	512.1	517.1	520.1	523.1	525.1
172.5°	492.7	494.1	498.3	501.5	501.9	503.3	506.5	509.9	512.9	515.1	516.3
175°	494.1	494.1	497.1	499.1	498.1	498.1	499.1	502.1	502.1	504.1	504.1
177.5°	494.3	494.3	495.9	496.7	495.1	495.1	495.9	496.7	497.5	497.5	497.5
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1165.6	1168.5	1166.0	1169.4	1166.0	1168.5	1165.6	1168.1	1171.9	1169.4	1175.2
5°	1074.3	1069.7	1072.8	1070.7	1072.8	1069.7	1074.3	1076.9	1083.2	1085.2	1089.4
7.5°	990.0	985.5	980.5	978.1	980.5	985.5	990.0	991.6	996.9	1004.7	1010.6
10°	937.3	931.5	931.0	927.4	931.0	931.5	937.3	943.0	946.6	956.5	963.2
12.5°	898.6	893.3	887.4	885.9	887.4	893.3	898.6	903.5	904.6	915.8	920.4
15°	843.8	839.6	836.0	839.1	836.0	839.6	843.8	846.9	852.6	860.4	865.6
17.5°	798.2	794.8	794.1	790.3	794.1	794.8	798.2	800.0	809.3	814.4	823.3
20°	769.5	766.9	768.0	761.2	768.0	766.9	769.5	774.2	783.6	786.2	795.5
22.5°	746.7	741.6	741.0	739.6	741.0	741.6	746.7	750.9	752.8	760.8	767.3
25°	710.9	708.3	705.7	708.3	705.7	708.3	710.9	715.5	717.6	723.3	729.6
27.5°	679.6	676.5	675.8	676.1	675.8	676.5	679.6	679.2	684.8	689.4	693.9
30°	660.5	655.3	655.8	655.3	655.8	655.3	660.5	660.5	663.6	667.8	671.9
32.5°	639.7	636.2	635.5	634.5	635.5	636.2	639.7	638.9	642.8	647.8	652.4
35°	609.1	609.1	606.5	606.5	606.5	609.1	609.1	610.6	614.8	614.8	620.0
37.5°	580.3	579.8	578.2	578.5	578.2	579.8	580.3	581.6	583.0	585.2	588.5
40°	558.7	558.2	556.6	553.5	556.6	558.2	558.7	560.8	561.8	564.4	566.5
42.5°	537.9	536.2	535.5	534.4	535.5	536.2	537.9	539.2	539.8	543.2	547.4
45°	505.2	505.2	504.2	503.7	504.2	505.2	505.2	505.2	505.8	509.9	512.0
47.5°	473.5	474.4	476.4	476.1	476.4	474.4	473.5	472.6	472.8	474.9	477.3
50°	454.3	454.9	456.4	456.9	456.4	454.9	454.3	452.3	451.2	451.2	452.8
52.5°	433.2	436.2	438.1	437.8	438.1	436.2	433.2	431.5	429.6	427.1	429.5
55°	403.5	407.1	410.7	411.3	410.7	407.1	403.5	398.8	396.7	392.6	394.1
57.5°	374.1	379.2	383.0	384.2	383.0	379.2	374.1	368.5	361.7	359.7	356.8
60°	354.1	360.9	365.6	367.6	365.6	360.9	354.1	348.9	340.1	334.4	332.3
62.5°	335.0	342.6	347.3	347.7	347.3	342.6	335.0	326.9	318.1	311.6	307.4
65°	303.8	311.6	315.7	318.8	315.7	311.6	303.8	294.9	285.1	276.2	271.6
67.5°	270.1	277.9	282.5	285.0	282.5	277.9	270.1	259.2	250.2	240.0	234.5
70°	245.6	253.4	259.6	261.7	259.6	253.4	245.6	232.6	224.8	215.5	210.8
72.5°	221.5	228.5	233.5	235.9	233.5	228.5	221.5	209.4	200.3	191.0	184.6
75°	179.7	189.0	193.7	196.3	193.7	189.0	179.7	172.9	162.5	152.7	147.5
77.5°	138.5	147.1	149.9	151.2	149.9	147.1	138.5	130.6	122.8	115.6	110.5
80°	111.1	116.3	119.9	120.5	119.9	116.3	111.1	104.9	98.7	91.9	87.2
82.5°	85.4	89.7	90.9	92.2	90.9	89.7	85.4	80.0	74.6	69.5	65.6
85°	46.7	48.8	49.3	48.8	49.3	48.8	46.7	43.1	40.5	37.9	36.3
87.5°	19.8	19.3	19.5	20.4	19.5	19.3	19.8	18.9	18.9	17.9	16.9
90°	22.0	22.0	23.0	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0
92.5°	69.1	66.7	65.3	63.7	65.3	66.7	69.1	81.9	96.6	128.4	176.9
95°	288.5	258.6	250.6	234.6	250.6	258.6	288.5	359.4	443.2	566.0	717.8
97.5°	664.7	608.7	579.8	567.0	579.8	608.7	664.7	726.3	842.9	962.5	1069.0
100°	903.4	831.6	794.6	778.7	794.6	831.6	903.4	972.3	1076.1	1179.0	1227.9
102.5°	1118.3	1067.2	1027.0	1015.0	1027.0	1067.2	1118.3	1191.9	1262.2	1311.5	1281.4
105°	1387.6	1354.7	1334.7	1322.7	1334.7	1354.7	1387.6	1419.5	1430.5	1386.6	1249.8
107.5°	1500.8	1500.6	1494.0	1486.0	1494.0	1500.6	1500.8	1484.6	1432.5	1319.7	1137.2
110°	1514.4	1533.3	1540.3	1540.3	1540.3	1533.3	1514.4	1469.5	1384.6	1243.8	1054.2



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1476.8	1509.4	1526.8	1533.9	1526.8	1509.4	1476.8	1411.2	1311.1	1168.8	988.7
115°	1384.6	1432.5	1460.5	1473.5	1460.5	1432.5	1384.6	1306.7	1197.9	1061.2	906.4
117.5°	1282.2	1331.7	1359.4	1367.4	1359.4	1331.7	1282.2	1204.3	1104.5	986.7	853.3
120°	1215.9	1263.8	1290.8	1298.8	1290.8	1263.8	1215.9	1142.0	1054.2	944.4	824.6
122.5°	1160.0	1203.9	1230.9	1238.1	1230.9	1203.9	1160.0	1094.1	1011.8	914.0	803.0
125°	1088.1	1129.0	1151.0	1161.0	1151.0	1129.0	1088.1	1032.2	960.3	873.5	771.7
127.5°	1033.8	1069.9	1090.7	1095.1	1090.7	1069.9	1033.8	983.1	915.8	834.8	739.7
130°	1000.3	1033.2	1053.2	1059.2	1053.2	1033.2	1000.3	950.4	885.5	807.6	719.8
132.5°	965.1	998.1	1016.4	1023.2	1016.4	998.1	965.1	915.2	852.7	782.0	699.8
135°	907.4	940.4	958.3	964.3	958.3	940.4	907.4	863.5	806.6	742.7	673.8
137.5°	848.3	878.3	894.9	901.4	894.9	878.3	848.3	809.0	760.7	707.6	651.9
140°	811.6	837.6	852.5	857.5	852.5	837.6	811.6	774.7	732.7	686.8	639.9
142.5°	776.5	798.4	812.6	816.8	812.6	798.4	776.5	745.1	708.8	669.2	629.5
145°	728.7	745.7	756.7	760.7	756.7	745.7	728.7	704.8	677.8	646.9	615.9
147.5°	691.4	705.0	711.4	713.2	711.4	705.0	691.4	672.4	652.1	628.3	603.2
150°	669.8	681.8	685.8	686.8	685.8	681.8	669.8	654.9	636.9	617.9	596.0
152.5°	651.5	661.1	665.0	666.0	665.0	661.1	651.5	638.9	624.9	607.5	588.0
155°	626.9	633.9	636.9	637.9	636.9	633.9	626.9	616.9	606.0	592.0	576.0
157.5°	604.4	610.1	612.9	612.7	612.9	610.1	604.4	596.6	588.0	577.2	564.0
160°	590.0	595.0	597.0	596.0	597.0	595.0	590.0	583.0	576.0	566.0	556.0
162.5°	576.4	580.6	581.0	580.8	581.0	580.6	576.4	571.0	564.8	556.4	547.3
165°	557.0	559.0	559.0	559.0	559.0	559.0	557.0	553.0	548.1	542.1	535.1
167.5°	538.3	540.1	539.3	539.1	539.3	540.1	538.3	536.3	532.7	528.1	523.5
170°	527.1	528.1	528.1	527.1	528.1	528.1	527.1	525.1	523.1	520.1	517.1
172.5°	516.7	518.5	516.9	515.9	516.9	518.5	516.7	516.3	515.1	512.9	509.9
175°	504.1	505.1	503.1	502.1	503.1	505.1	504.1	504.1	504.1	502.1	502.1
177.5°	496.7	497.5	495.1	495.1	495.1	497.5	496.7	497.5	497.5	497.5	496.7
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1169.8	1174.8	1181.0	1185.6	1193.9	1197.6	1202.2	1205.9	1212.6	1218.8	1226.3
5°	1091.0	1099.8	1111.7	1124.7	1139.8	1150.2	1164.7	1173.5	1191.2	1207.3	1222.8
7.5°	1019.5	1030.3	1047.2	1063.9	1083.6	1101.4	1119.6	1139.8	1162.3	1188.9	1210.9
10°	970.5	985.0	1003.2	1024.0	1047.9	1068.6	1093.0	1114.8	1142.4	1173.5	1202.6
12.5°	931.4	943.9	964.2	984.1	1009.6	1035.0	1060.2	1089.1	1121.2	1155.7	1192.2
15°	877.5	887.9	904.5	932.1	958.0	983.0	1020.9	1047.9	1088.4	1126.8	1170.9
17.5°	831.5	844.4	858.4	882.0	908.9	940.1	973.9	1007.8	1046.8	1095.5	1145.3
20°	803.3	813.7	829.8	847.9	876.5	907.7	939.9	974.1	1021.9	1072.3	1125.7
22.5°	772.5	783.8	801.9	821.8	845.8	875.7	911.2	948.8	998.6	1048.2	1106.2
25°	736.3	744.1	760.7	778.4	802.3	827.7	864.6	906.1	955.4	1012.0	1071.2
27.5°	702.1	709.0	724.2	739.5	761.1	791.3	824.3	866.2	912.7	970.1	1035.7
30°	677.6	684.9	698.4	715.0	735.8	762.3	796.0	835.5	885.3	941.4	1010.0
32.5°	656.4	662.9	673.1	689.7	710.0	735.7	766.9	807.2	857.1	914.0	981.3
35°	623.6	630.9	638.7	651.7	669.3	694.2	728.5	766.4	814.2	869.2	931.0
37.5°	591.0	598.9	605.9	617.5	633.6	655.6	685.2	724.7	767.9	820.9	880.2
40°	570.7	576.9	582.6	595.1	611.2	631.9	659.5	694.8	740.5	789.8	839.1
42.5°	550.3	556.1	561.0	571.8	586.7	606.6	632.9	667.3	709.7	755.7	799.2
45°	518.2	521.9	527.6	536.9	548.9	567.0	592.5	623.1	658.9	702.6	735.3
47.5°	483.5	489.2	493.9	502.1	511.9	529.7	554.1	580.2	612.7	645.1	668.2
50°	456.9	462.7	469.4	477.2	486.5	503.2	525.5	552.0	579.5	604.4	624.1
52.5°	432.0	437.3	444.5	451.9	463.3	477.4	496.4	520.0	547.1	565.0	581.4
55°	395.2	397.7	406.1	413.3	424.2	434.6	453.8	474.6	491.2	504.7	518.2
57.5°	357.5	361.0	365.8	372.3	383.1	395.3	408.8	427.1	436.9	443.9	454.3
60°	333.4	334.4	337.5	345.3	353.6	364.5	380.1	393.1	400.3	406.1	414.9
62.5°	306.8	307.0	312.2	317.9	324.1	335.9	348.5	359.0	365.0	367.8	376.3
65°	269.5	268.5	271.6	276.2	283.5	291.3	302.2	311.6	311.0	314.1	319.3
67.5°	231.4	230.3	230.3	234.8	240.7	247.7	255.2	260.6	260.7	264.8	267.4
70°	205.6	202.5	204.6	208.2	210.8	216.5	224.8	226.9	227.4	229.5	232.1
72.5°	179.0	178.0	179.7	181.2	183.0	187.5	194.5	195.8	195.9	197.1	201.4
75°	142.3	141.2	140.2	141.8	143.8	146.9	149.5	151.6	151.1	151.6	154.7
77.5°	106.7	103.7	103.2	104.1	104.6	106.4	109.1	108.9	109.5	109.4	112.9
80°	84.6	80.5	80.0	80.0	80.5	81.5	82.6	83.6	82.0	83.6	84.6
82.5°	62.2	59.7	59.6	59.2	59.3	59.5	60.1	60.8	60.4	61.2	61.8
85°	34.3	33.2	31.7	32.7	32.2	30.6	31.7	30.1	29.6	30.1	30.6
87.5°	15.0	15.2	14.0	13.8	13.0	13.2	12.0	11.2	10.4	10.4	11.4
90°	17.0	16.0	14.0	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0
92.5°	260.5	321.8	327.0	227.8	136.4	81.9	52.7	35.5	23.2	14.8	12.2
95°	865.5	884.5	721.8	446.2	226.6	119.8	74.9	52.9	41.9	33.9	32.9
97.5°	1095.1	944.6	644.5	356.2	195.3	124.6	92.2	72.5	61.5	55.9	54.7
100°	1151.0	901.4	575.0	323.4	193.7	135.8	105.8	86.8	75.9	71.9	69.9
102.5°	1117.5	825.6	522.3	309.9	200.9	149.3	120.2	102.8	91.0	87.8	86.7
105°	1010.3	723.7	471.2	304.5	215.6	171.7	143.8	127.8	117.8	112.8	112.8
107.5°	900.8	653.7	449.6	313.7	237.6	195.1	169.9	153.3	145.1	140.4	138.4
110°	838.5	620.9	443.2	322.4	253.6	212.6	186.7	171.7	162.7	158.7	156.7



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	792.2	601.8	443.2	333.6	268.7	229.4	204.2	189.3	180.3	177.1	175.1
115°	741.7	581.0	446.2	350.4	292.5	255.6	230.6	215.6	206.6	203.6	201.7
117.5°	711.6	570.8	452.8	369.6	316.9	281.9	257.8	240.8	231.8	228.6	225.6
120°	694.8	566.0	459.2	382.3	334.4	299.5	274.5	257.6	248.6	244.6	241.6
122.5°	680.4	562.0	464.8	396.7	351.2	316.3	291.3	272.7	263.7	260.5	258.4
125°	660.9	557.0	474.2	416.3	373.4	340.4	314.5	295.5	286.5	281.5	279.5
127.5°	642.9	554.6	484.8	434.2	394.7	363.0	337.0	316.9	305.5	299.1	296.1
130°	630.9	553.0	491.2	446.2	408.3	377.3	351.4	330.4	317.5	309.5	306.5
132.5°	621.3	553.0	498.3	456.6	421.1	390.1	364.2	342.4	327.8	318.2	314.5
135°	609.9	553.0	508.1	471.2	438.2	407.3	380.3	359.4	343.4	331.4	327.4
137.5°	599.8	554.2	517.1	482.0	450.4	422.3	394.5	374.0	358.0	346.8	343.8
140°	595.0	555.0	521.1	489.2	459.2	430.3	403.3	384.3	368.4	356.4	353.4
142.5°	591.0	555.8	523.5	493.1	464.8	437.4	412.1	393.9	377.9	366.8	364.6
145°	585.0	555.0	526.1	499.1	474.2	448.2	425.3	407.3	393.3	383.3	381.3
147.5°	578.8	552.4	527.1	502.7	480.2	457.4	437.2	421.7	408.7	400.1	398.9
150°	574.0	550.0	527.1	505.1	484.2	462.2	445.2	431.3	418.3	411.3	409.3
152.5°	568.4	546.9	526.3	506.7	488.2	467.8	452.4	439.2	427.9	421.7	420.5
155°	559.0	541.1	524.1	508.1	492.1	475.2	461.2	451.2	441.2	435.2	435.2
157.5°	550.2	535.1	521.5	509.1	495.5	481.0	470.4	461.6	453.0	448.2	448.4
160°	543.1	531.1	519.1	509.1	497.1	484.2	475.2	467.2	460.2	456.2	457.2
162.5°	536.7	526.3	516.7	508.3	498.7	487.4	480.0	473.6	467.4	463.4	464.4
165°	527.1	519.1	513.1	507.1	499.1	491.2	485.2	481.2	476.2	473.2	475.2
167.5°	517.7	512.1	507.5	504.7	499.1	492.5	488.8	486.0	483.2	481.4	482.4
170°	512.1	508.1	505.1	503.1	499.1	494.1	491.2	489.2	487.2	486.2	487.2
172.5°	506.5	503.3	501.9	501.5	498.3	494.1	492.7	491.5	489.6	488.6	490.4
175°	499.1	498.1	498.1	499.1	497.1	494.1	494.1	494.1	493.1	492.1	494.1
177.5°	495.9	495.1	495.1	496.7	495.9	494.3	494.3	495.1	494.3	494.3	495.9
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333234

CATALOG NUMBER: S125DIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1230.0	1235.8	1239.6	1246.6	1252.4	1255.8	1258.7	1261.2	1264.1	1266.6	1273.6
5°	1237.9	1251.4	1262.8	1280.5	1296.6	1309.0	1322.5	1334.5	1344.4	1358.4	1369.3
7.5°	1234.5	1258.5	1283.6	1310.9	1338.8	1364.8	1388.7	1411.0	1431.3	1455.8	1477.3
10°	1231.2	1263.9	1296.1	1332.9	1370.8	1403.0	1433.1	1463.8	1486.1	1517.3	1543.7
12.5°	1228.7	1267.2	1306.0	1350.4	1392.0	1437.5	1477.6	1499.9	1533.9	1558.8	1590.3
15°	1218.2	1269.1	1322.5	1372.4	1431.6	1473.6	1509.0	1552.6	1584.2	1615.9	1650.2
17.5°	1199.4	1257.0	1316.8	1382.2	1439.0	1484.1	1529.6	1571.7	1609.5	1652.0	1694.6
20°	1190.7	1248.3	1316.8	1383.8	1439.4	1486.6	1533.4	1579.6	1621.1	1675.6	1725.0
22.5°	1172.4	1242.1	1305.2	1370.5	1427.7	1479.2	1532.1	1584.6	1639.8	1701.4	1763.2
25°	1139.8	1210.4	1277.4	1341.8	1399.4	1463.8	1520.4	1590.5	1661.1	1742.6	1819.5
27.5°	1105.9	1173.5	1234.9	1297.1	1364.3	1437.2	1510.6	1590.2	1682.6	1785.5	1893.9
30°	1078.5	1142.4	1202.1	1265.9	1336.0	1418.1	1498.6	1593.1	1700.0	1815.8	1944.6
32.5°	1046.5	1105.4	1163.4	1231.1	1307.4	1394.0	1487.8	1591.4	1720.0	1851.6	1984.1
35°	991.8	1041.1	1100.8	1173.0	1259.2	1358.4	1466.9	1589.4	1736.9	1888.0	1999.7
37.5°	926.9	972.8	1035.7	1114.8	1205.2	1311.6	1440.4	1585.8	1742.4	1862.9	1898.9
40°	883.3	925.8	991.3	1073.3	1165.7	1278.4	1419.6	1573.3	1725.0	1801.8	1772.2
42.5°	836.7	881.4	945.1	1026.4	1125.9	1248.5	1393.5	1547.2	1674.3	1703.4	1601.1
45°	763.3	809.5	872.3	954.4	1061.4	1194.3	1345.4	1485.1	1558.3	1505.8	1347.5
47.5°	695.1	738.4	796.6	881.3	991.7	1129.2	1274.7	1386.1	1391.9	1266.8	1097.6
50°	648.6	688.5	747.2	831.8	941.4	1080.6	1211.9	1299.7	1260.2	1118.5	955.9
52.5°	602.9	642.0	699.9	783.7	892.0	1019.5	1141.7	1203.3	1129.0	983.5	844.6
55°	536.9	571.2	627.8	705.1	808.0	926.4	1030.2	1051.5	954.9	811.6	698.9
57.5°	472.5	504.5	556.0	627.3	721.2	826.1	907.3	902.8	800.7	677.7	588.3
60°	428.9	460.1	505.8	575.3	661.0	751.4	820.9	804.3	703.1	597.1	521.9
62.5°	389.9	417.7	460.9	521.7	599.9	683.7	740.8	716.3	617.1	524.4	464.9
65°	332.3	355.7	392.6	444.5	509.4	578.5	622.6	590.9	506.3	434.1	386.3
67.5°	277.4	296.1	327.0	368.5	423.8	479.3	506.2	474.3	406.6	353.9	318.5
70°	242.5	259.1	283.0	319.9	368.2	414.9	435.1	406.6	348.4	303.2	277.8
72.5°	207.6	221.3	242.3	275.4	314.1	354.7	372.4	345.1	297.3	259.2	235.4
75°	160.5	169.8	184.3	207.2	237.8	270.0	279.9	256.0	225.4	196.8	181.2
77.5°	114.9	122.8	133.8	148.2	169.9	190.4	199.0	185.2	161.5	143.4	130.6
80°	88.3	92.4	101.8	113.7	130.9	143.8	149.5	140.7	124.1	110.6	100.7
82.5°	62.9	67.1	72.7	82.6	93.5	102.3	108.4	102.5	90.5	79.9	74.1
85°	30.6	33.2	36.3	40.5	48.8	54.0	53.5	49.8	45.2	41.0	37.9
87.5°	11.2	12.0	13.7	16.1	17.8	19.6	20.9	20.2	19.0	17.9	16.9
90°	2.0	4.0	6.0	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0
92.5°	14.8	23.2	35.5	52.7	81.9	136.4	227.8	327.0	321.8	260.5	176.9
95°	33.9	41.9	52.9	74.9	119.8	226.6	446.2	721.8	884.5	865.5	717.8
97.5°	55.9	61.5	72.5	92.2	124.6	195.3	356.2	644.5	944.6	1095.1	1069.0
100°	71.9	75.9	86.8	105.8	135.8	193.7	323.4	575.0	901.4	1151.0	1227.9
102.5°	87.8	91.0	102.8	120.2	149.3	200.9	309.9	522.3	825.6	1117.5	1281.4
105°	112.8	117.8	127.8	143.8	171.7	215.6	304.5	471.2	723.7	1010.3	1249.8
107.5°	140.4	145.1	153.3	169.9	195.1	237.6	313.7	449.6	653.7	900.8	1137.2
110°	158.7	162.7	171.7	186.7	212.6	253.6	322.4	443.2	620.9	838.5	1054.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	177.1	180.3	189.3	204.2	229.4	268.7	333.6	443.2	601.8	792.2	988.7
115°	203.6	206.6	215.6	230.6	255.6	292.5	350.4	446.2	581.0	741.7	906.4
117.5°	228.6	231.8	240.8	257.8	281.9	316.9	369.6	452.8	570.8	711.6	853.3
120°	244.6	248.6	257.6	274.5	299.5	334.4	382.3	459.2	566.0	694.8	824.6
122.5°	260.5	263.7	272.7	291.3	316.3	351.2	396.7	464.8	562.0	680.4	803.0
125°	281.5	286.5	295.5	314.5	340.4	373.4	416.3	474.2	557.0	660.9	771.7
127.5°	299.1	305.5	316.9	337.0	363.0	394.7	434.2	484.8	554.6	642.9	739.7
130°	309.5	317.5	330.4	351.4	377.3	408.3	446.2	491.2	553.0	630.9	719.8
132.5°	318.2	327.8	342.4	364.2	390.1	421.1	456.6	498.3	553.0	621.3	699.8
135°	331.4	343.4	359.4	380.3	407.3	438.2	471.2	508.1	553.0	609.9	673.8
137.5°	346.8	358.0	374.0	394.5	422.3	450.4	482.0	517.1	554.2	599.8	651.9
140°	356.4	368.4	384.3	403.3	430.3	459.2	489.2	521.1	555.0	595.0	639.9
142.5°	366.8	377.9	393.9	412.1	437.4	464.8	493.1	523.5	555.8	591.0	629.5
145°	383.3	393.3	407.3	425.3	448.2	474.2	499.1	526.1	555.0	585.0	615.9
147.5°	400.1	408.7	421.7	437.2	457.4	480.2	502.7	527.1	552.4	578.8	603.2
150°	411.3	418.3	431.3	445.2	462.2	484.2	505.1	527.1	550.0	574.0	596.0
152.5°	421.7	427.9	439.2	452.4	467.8	488.2	506.7	526.3	546.9	568.4	588.0
155°	435.2	441.2	451.2	461.2	475.2	492.1	508.1	524.1	541.1	559.0	576.0
157.5°	448.2	453.0	461.6	470.4	481.0	495.5	509.1	521.5	535.1	550.2	564.0
160°	456.2	460.2	467.2	475.2	484.2	497.1	509.1	519.1	531.1	543.1	556.0
162.5°	463.4	467.4	473.6	480.0	487.4	498.7	508.3	516.7	526.3	536.7	547.3
165°	473.2	476.2	481.2	485.2	491.2	499.1	507.1	513.1	519.1	527.1	535.1
167.5°	481.4	483.2	486.0	488.8	492.5	499.1	504.7	507.5	512.1	517.7	523.5
170°	486.2	487.2	489.2	491.2	494.1	499.1	503.1	505.1	508.1	512.1	517.1
172.5°	488.6	489.6	491.5	492.7	494.1	498.3	501.5	501.9	503.3	506.5	509.9
175°	492.1	493.1	494.1	494.1	494.1	497.1	499.1	498.1	498.1	499.1	502.1
177.5°	494.3	494.3	495.1	494.3	494.3	495.9	496.7	495.1	495.1	495.9	496.7
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1279.4	1282.8	1289.8	1287.3	1290.7	1292.3	1294.0
5°	1382.8	1399.4	1406.7	1405.6	1416.5	1413.9	1411.3
7.5°	1499.5	1517.0	1526.7	1538.9	1545.9	1546.4	1552.6
10°	1565.6	1588.4	1597.8	1610.7	1619.0	1623.7	1623.2
12.5°	1616.2	1634.1	1655.1	1661.4	1672.6	1678.5	1676.4
15°	1677.2	1705.8	1727.6	1738.5	1752.5	1756.6	1762.4
17.5°	1731.6	1769.9	1795.4	1829.2	1842.0	1849.8	1845.2
20°	1772.7	1823.1	1848.6	1889.1	1911.4	1923.3	1919.2
22.5°	1821.3	1875.9	1922.9	1958.0	1992.0	2008.1	2011.4
25°	1904.6	1979.4	2048.5	2094.7	2136.7	2146.6	2168.4
27.5°	1997.7	2085.9	2159.7	2208.3	2237.6	2248.6	2255.4
30°	2056.3	2144.0	2199.6	2230.7	2240.1	2239.0	2238.0
32.5°	2084.9	2139.9	2150.5	2141.8	2120.4	2102.4	2083.5
35°	2044.3	2003.3	1942.0	1863.1	1804.9	1746.3	1740.5
37.5°	1838.6	1707.4	1605.4	1491.5	1425.8	1385.2	1357.1
40°	1645.0	1496.0	1372.4	1276.3	1209.3	1182.9	1156.9
42.5°	1434.8	1292.4	1183.0	1102.7	1052.3	1022.9	1002.4
45°	1165.7	1040.1	954.4	896.2	856.3	833.4	820.4
47.5°	955.2	862.3	789.5	747.5	719.9	702.1	702.2
50°	842.2	753.4	705.1	671.9	648.0	634.0	636.6
52.5°	742.1	675.8	634.5	606.7	589.0	580.4	580.1
55°	620.5	572.7	545.7	525.5	513.5	503.7	505.8
57.5°	530.8	490.5	472.4	455.6	447.3	443.3	437.6
60°	475.1	444.0	428.4	414.9	406.6	403.5	397.7
62.5°	425.7	401.2	386.0	375.0	367.5	366.5	362.0
65°	357.8	339.1	325.6	320.4	312.6	310.5	310.5
67.5°	294.9	281.5	271.1	266.3	262.8	263.4	260.9
70°	255.5	244.6	237.8	232.6	230.0	230.5	228.5
72.5°	223.5	211.3	205.4	202.3	198.9	200.2	199.4
75°	169.3	163.0	159.9	156.8	154.7	153.7	152.7
77.5°	124.3	118.8	116.4	114.7	115.0	112.5	114.4
80°	96.1	91.4	89.8	87.2	86.7	86.7	86.2
82.5°	70.3	67.7	66.6	64.4	63.5	64.3	62.9
85°	36.3	34.3	33.8	33.8	32.7	31.7	34.3
87.5°	17.1	15.6	16.0	15.6	15.6	15.4	14.6
90°	19.0	20.0	22.0	22.0	22.0	23.0	23.0
92.5°	128.4	96.6	81.9	69.1	66.7	65.3	63.7
95°	566.0	443.2	359.4	288.5	258.6	250.6	234.6
97.5°	962.5	842.9	726.3	664.7	608.7	579.8	567.0
100°	1179.0	1076.1	972.3	903.4	831.6	794.6	778.7
102.5°	1311.5	1262.2	1191.9	1118.3	1067.2	1027.0	1015.0
105°	1386.6	1430.5	1419.5	1387.6	1354.7	1334.7	1322.7
107.5°	1319.7	1432.5	1484.6	1500.8	1500.6	1494.0	1486.0
110°	1243.8	1384.6	1469.5	1514.4	1533.3	1540.3	1540.3



TEST NUMBER: P333234

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1168.8	1311.1	1411.2	1476.8	1509.4	1526.8	1533.9
115°	1061.2	1197.9	1306.7	1384.6	1432.5	1460.5	1473.5
117.5°	986.7	1104.5	1204.3	1282.2	1331.7	1359.4	1367.4
120°	944.4	1054.2	1142.0	1215.9	1263.8	1290.8	1298.8
122.5°	914.0	1011.8	1094.1	1160.0	1203.9	1230.9	1238.1
125°	873.5	960.3	1032.2	1088.1	1129.0	1151.0	1161.0
127.5°	834.8	915.8	983.1	1033.8	1069.9	1090.7	1095.1
130°	807.6	885.5	950.4	1000.3	1033.2	1053.2	1059.2
132.5°	782.0	852.7	915.2	965.1	998.1	1016.4	1023.2
135°	742.7	806.6	863.5	907.4	940.4	958.3	964.3
137.5°	707.6	760.7	809.0	848.3	878.3	894.9	901.4
140°	686.8	732.7	774.7	811.6	837.6	852.5	857.5
142.5°	669.2	708.8	745.1	776.5	798.4	812.6	816.8
145°	646.9	677.8	704.8	728.7	745.7	756.7	760.7
147.5°	628.3	652.1	672.4	691.4	705.0	711.4	713.2
150°	617.9	636.9	654.9	669.8	681.8	685.8	686.8
152.5°	607.5	624.9	638.9	651.5	661.1	665.0	666.0
155°	592.0	606.0	616.9	626.9	633.9	636.9	637.9
157.5°	577.2	588.0	596.6	604.4	610.1	612.9	612.7
160°	566.0	576.0	583.0	590.0	595.0	597.0	596.0
162.5°	556.4	564.8	571.0	576.4	580.6	581.0	580.8
165°	542.1	548.1	553.0	557.0	559.0	559.0	559.0
167.5°	528.1	532.7	536.3	538.3	540.1	539.3	539.1
170°	520.1	523.1	525.1	527.1	528.1	528.1	527.1
172.5°	512.9	515.1	516.3	516.7	518.5	516.9	515.9
175°	502.1	504.1	504.1	504.1	505.1	503.1	502.1
177.5°	497.5	497.5	497.5	496.7	497.5	495.1	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1

(END OF REPORT)