

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: P331404-935

Luminaire Tested: **S122DIP-S865D925U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331404-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIP-S865D925U935-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6393.0 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

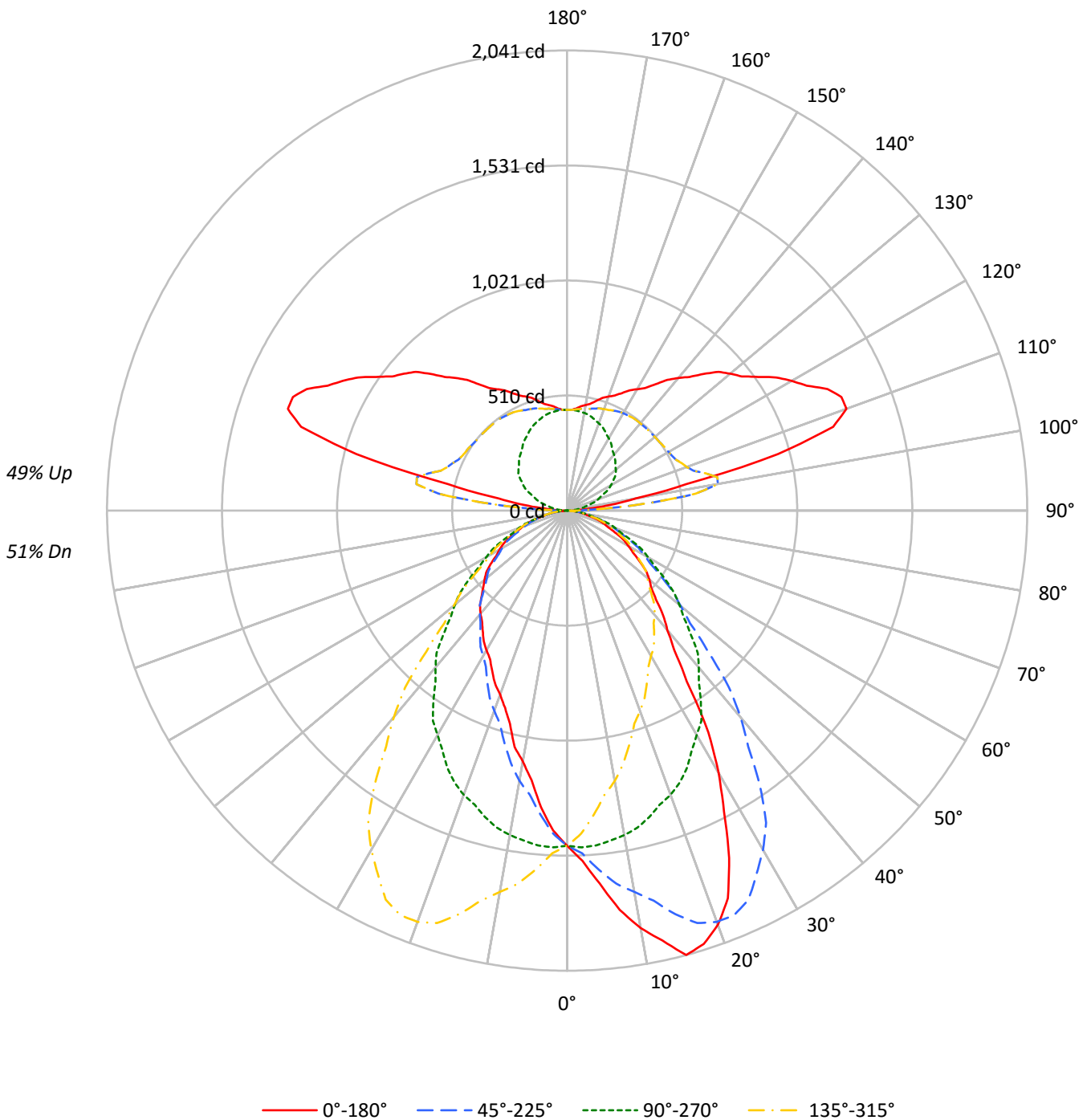
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	68	66	62	59	55	53	50	46	44	42	38
3	83	73	66	61	76	68	62	57	58	54	50	49	46	43	41	39	37	33
4	76	65	58	52	70	61	54	49	52	47	43	44	41	37	37	34	32	28
5	70	58	51	45	64	55	48	42	47	42	37	40	36	33	34	31	28	25
6	64	53	45	39	59	49	42	37	43	37	33	36	32	29	31	28	25	22
7	60	48	40	34	55	45	38	33	39	33	29	33	29	26	28	25	22	20
8	55	43	36	31	51	41	34	29	35	30	26	31	26	23	26	23	20	18
9	52	40	32	27	48	37	31	26	33	27	24	28	24	21	24	21	18	16
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

**AVERAGE LUMINANCE (cd/sqm):**

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.6	2.2
10°-20°	411.6	6.4
20°-30°	597.3	9.3
30°-40°	630.3	9.9
40°-50°	558.1	8.7
50°-60°	445.4	7.0
60°-70°	302.7	4.7
70°-80°	155.2	2.4
80°-90°	41.4	0.6
90°-100°	178.7	2.8
100°-110°	606.3	9.5
110°-120°	644.1	10.1
120°-130°	530.2	8.3
130°-140°	425.8	6.7
140°-150°	321.8	5.0
150°-160°	226.1	3.5
160°-170°	133.1	2.1
170°-180°	43.3	0.7
0°-30°	1150.5	18.0
0°-40°	1780.8	27.9
0°-60°	2784.3	43.6
0°-90°	3283.6	51.4
90°-120°	1429.1	22.4
90°-150°	2706.8	42.3
90°-180°	3109.0	48.6
0°-180°	6393.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1486	1486	1486	1486	1486	
5°	1660	1491	1321	1491	1660	166
15°	2041	1407	979	1407	2041	563
25°	1700	1259	786	1259	1700	768
35°	926	1034	652	1034	926	602
45°	558	775	536	775	558	438
55°	392	530	415	530	392	351
65°	241	316	280	316	241	240
75°	119	149	142	149	119	127
85°	31	31	23	31	31	34
90°	28	1	28	1	28	17
95°	98	30	98	30	98	127
105°	968	105	968	105	968	937
115°	1274	185	1274	185	1274	1248
125°	1034	258	1034	258	1034	934
135°	857	302	857	302	857	666
145°	684	345	684	345	684	434
155°	575	393	575	393	575	268
165°	504	428	504	428	504	144
175°	455	446	455	446	455	44
180°	447	447	447	447	447	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1555.1	1555.6	1556.5	1549.2	1548.3	1548.3	1541.9	1536.4	1530.0	1521.3	1522.2
5°	1660.3	1666.6	1668.8	1662.0	1651.7	1650.5	1640.8	1624.8	1610.0	1597.9	1589.4
7.5°	1785.7	1788.2	1782.6	1773.6	1765.9	1752.2	1734.1	1716.5	1691.7	1669.0	1652.0
10°	1880.8	1884.2	1874.5	1861.3	1850.5	1834.4	1808.2	1781.3	1748.8	1717.4	1692.2
12.5°	1953.0	1961.4	1949.0	1947.2	1928.6	1906.7	1875.4	1861.8	1816.0	1772.2	1745.2
15°	2040.7	2040.1	2041.3	2030.4	2016.7	2013.3	1980.2	1944.2	1879.6	1853.9	1809.4
17.5°	2015.3	2024.0	2028.1	2027.9	2027.6	2025.4	2014.8	1992.1	1959.7	1918.0	1866.6
20°	1955.1	1966.4	1968.2	1981.3	1988.7	1998.5	2002.4	1996.1	1976.2	1941.3	1896.8
22.5°	1861.8	1865.0	1870.4	1890.8	1906.9	1931.3	1944.0	1965.1	1957.4	1940.4	1903.2
25°	1700.2	1694.5	1714.5	1724.8	1762.0	1800.8	1828.8	1859.6	1887.1	1903.6	1892.7
27.5°	1506.2	1497.6	1527.6	1554.9	1585.0	1627.1	1670.8	1722.3	1765.1	1818.7	1837.1
30°	1342.6	1347.7	1376.3	1405.4	1451.1	1510.5	1559.7	1616.3	1677.4	1737.3	1779.1
32.5°	1166.1	1185.9	1204.0	1248.6	1288.9	1355.1	1427.1	1497.9	1574.1	1642.3	1706.8
35°	925.5	948.4	973.5	1006.1	1062.6	1128.3	1198.6	1294.0	1398.0	1491.2	1567.7
37.5°	779.0	775.4	789.8	813.3	859.1	912.1	993.1	1087.4	1209.7	1319.1	1427.1
40°	691.3	689.0	699.3	721.0	755.9	794.7	865.6	948.4	1062.0	1195.8	1324.3
42.5°	630.9	632.3	638.0	653.3	677.3	709.2	762.2	832.8	936.9	1062.7	1200.9
45°	557.6	561.6	567.9	575.3	589.0	615.3	645.0	695.3	777.6	882.7	1018.6
47.5°	504.8	504.9	511.3	517.8	526.0	540.8	565.0	596.6	654.6	740.2	857.1
50°	476.5	472.5	477.1	482.2	490.8	501.0	517.0	546.7	585.6	654.7	752.4
52.5°	441.8	441.9	446.0	447.9	455.6	465.9	480.4	501.0	536.2	590.3	670.6
55°	391.9	394.8	397.1	400.5	407.3	414.7	426.2	439.9	467.4	507.9	567.3
57.5°	345.1	345.9	348.3	354.8	359.1	366.0	376.9	389.3	407.1	437.1	481.8
60°	313.1	313.1	317.6	320.5	326.2	333.0	341.6	353.6	369.6	394.2	430.2
62.5°	283.9	283.4	285.2	289.9	294.2	300.7	309.2	319.3	334.4	356.3	385.9
65°	241.1	240.0	243.4	244.5	249.1	255.4	262.3	273.1	285.1	301.1	327.4
67.5°	199.9	201.3	203.2	205.3	207.8	214.5	219.0	226.7	236.9	250.1	267.9
70°	177.1	177.1	177.1	178.8	182.3	185.7	190.3	196.6	206.2	217.7	233.7
72.5°	151.5	153.3	155.2	154.1	158.5	160.6	166.0	169.5	178.8	186.1	200.3
75°	118.8	118.8	118.8	121.7	123.4	125.1	128.5	132.0	136.6	145.7	153.1
77.5°	88.7	88.4	89.0	89.7	91.5	93.6	94.6	97.7	101.9	106.2	112.4
80°	68.5	69.7	70.3	71.4	71.4	72.6	73.1	77.1	80.0	82.8	86.9
82.5°	53.0	53.2	53.4	53.6	54.1	54.8	56.2	57.5	58.5	60.9	64.0
85°	30.8	30.3	30.3	31.4	30.8	30.8	32.0	33.1	33.1	33.7	35.4
87.5°	17.6	17.6	18.0	17.6	17.6	17.8	17.5	17.4	18.0	18.7	18.9
90°	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5	28.3	29.2	28.3
92.5°	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9	94.4	111.7	110.1
95°	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2	294.7	336.8	298.2
97.5°	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4	603.2	575.1	433.1
100°	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5	802.6	678.8	467.4
102.5°	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3	876.8	682.3	454.4
105°	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0	865.3	636.7	428.8
107.5°	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5	789.9	588.0	416.0
110°	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8	742.4	564.6	413.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9	709.5	549.4	414.0
115°	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3	668.6	532.8	417.6
117.5°	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2	642.7	524.7	423.8
120°	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9	629.0	519.9	427.9
122.5°	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3	617.3	517.1	432.7
125°	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3	600.6	512.1	440.0
127.5°	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7	585.2	509.2	447.4
130°	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5	574.9	507.8	452.9
132.5°	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0	566.6	507.1	458.3
135°	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0	555.1	506.1	464.9
137.5°	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5	547.0	505.9	470.7
140°	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9	542.3	505.2	473.5
142.5°	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3	537.4	505.2	475.5
145°	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7	531.1	503.5	477.8
147.5°	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2	524.5	500.5	478.5
150°	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7	519.0	498.4	477.8
152.5°	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1	514.2	495.0	476.4
155°	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6	505.2	489.0	474.3
157.5°	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4	496.9	482.8	470.4
160°	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8	490.7	478.6	468.3
162.5°	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3	485.2	475.2	466.2
165°	504.4	505.2	505.2	501.8	498.4	495.0	489.0	482.9	476.0	468.3	462.3
167.5°	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1	467.1	462.3	458.3
170°	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6	462.3	458.8	456.3
172.5°	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4	457.5	454.8	453.6
175°	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7	451.2	450.3	449.4
177.5°	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9	447.5	446.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1525.4	1521.7	1519.5	1511.2	1503.9	1496.6	1494.4	1495.2	1485.2	1475.6	1471.4
5°	1584.8	1573.4	1562.5	1547.1	1528.9	1508.8	1498.6	1490.6	1470.6	1448.9	1436.3
7.5°	1638.1	1621.7	1600.9	1571.8	1545.2	1513.7	1493.7	1476.0	1446.8	1416.2	1397.4
10°	1670.5	1648.2	1621.3	1586.0	1553.4	1515.1	1488.2	1461.5	1427.1	1390.6	1367.7
12.5°	1698.4	1668.4	1641.9	1596.5	1558.0	1510.1	1478.3	1440.4	1404.3	1360.9	1338.5
15°	1764.8	1709.3	1659.1	1607.7	1560.2	1493.4	1458.0	1407.1	1359.7	1306.1	1280.3
17.5°	1816.1	1753.9	1674.6	1609.3	1553.9	1480.0	1428.0	1367.0	1311.0	1249.6	1214.6
20°	1845.4	1773.9	1688.8	1611.1	1544.8	1460.3	1403.7	1341.4	1275.7	1206.6	1168.9
22.5°	1862.7	1787.6	1703.4	1604.2	1526.6	1444.2	1373.1	1304.8	1238.3	1163.6	1124.1
25°	1868.2	1799.7	1710.5	1598.5	1503.7	1410.6	1324.9	1258.6	1178.0	1108.4	1050.7
27.5°	1841.0	1791.8	1706.2	1587.8	1477.3	1368.4	1272.9	1197.8	1112.8	1037.2	979.1
30°	1807.7	1779.1	1695.7	1576.8	1456.3	1339.2	1234.1	1148.9	1064.4	987.8	928.4
32.5°	1756.0	1749.8	1676.5	1561.3	1433.9	1302.2	1193.3	1107.3	1013.7	938.4	881.8
35°	1654.5	1682.0	1635.6	1526.6	1391.7	1249.5	1131.8	1033.5	936.4	864.4	811.2
37.5°	1518.5	1586.7	1574.5	1475.7	1334.8	1192.1	1062.2	959.5	866.9	794.3	742.1
40°	1424.9	1511.7	1524.2	1436.8	1294.6	1147.8	1010.1	907.8	817.5	751.3	698.7
42.5°	1324.3	1425.7	1460.3	1390.3	1250.7	1101.1	963.5	857.6	768.2	703.8	657.1
45°	1155.8	1290.0	1352.3	1312.3	1177.5	1024.3	882.7	775.2	694.1	633.6	597.6
47.5°	998.2	1144.9	1228.6	1214.5	1096.0	944.3	804.3	701.2	622.2	573.9	541.7
50°	886.7	1037.5	1138.6	1143.2	1037.5	887.3	746.7	649.6	577.0	531.9	505.6
52.5°	789.8	933.8	1044.0	1068.2	972.2	827.9	695.1	598.4	534.5	493.0	469.5
55°	663.3	785.0	907.2	951.8	874.7	737.5	614.8	529.6	469.6	441.1	420.5
57.5°	551.5	652.9	765.8	815.0	767.5	650.1	534.9	461.1	412.3	387.4	371.6
60°	492.5	572.5	673.0	731.8	690.7	586.2	485.6	415.3	375.4	353.1	338.2
62.5°	437.6	508.5	593.5	647.3	624.9	526.3	436.3	374.2	339.7	318.8	308.1
65°	361.1	417.1	482.8	532.4	517.6	442.7	369.1	315.9	288.5	271.9	263.4
67.5°	297.3	337.8	383.3	426.9	414.9	361.9	302.6	261.3	240.9	226.6	221.4
70°	257.1	287.9	328.5	363.3	353.6	310.2	263.4	228.0	210.3	198.3	193.1
72.5°	218.7	244.1	275.0	303.5	297.0	260.9	221.8	195.0	181.4	170.4	166.2
75°	165.1	184.5	203.4	222.2	220.5	192.5	169.7	149.1	138.3	129.7	127.9
77.5°	121.9	132.8	145.6	156.8	153.7	137.7	119.8	108.0	100.0	94.3	93.3
80°	93.2	99.4	108.6	116.6	112.5	105.7	91.4	82.8	77.1	71.4	69.1
82.5°	67.5	73.8	79.3	83.6	80.6	74.1	65.3	59.5	56.1	52.2	51.3
85°	35.4	38.8	41.2	42.3	41.2	37.1	33.1	30.8	28.0	26.3	25.7
87.5°	18.3	17.1	16.3	16.7	15.0	14.6	12.1	10.2	10.2	10.5	10.0
90°	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9	3.4	6.9	8.6
92.5°	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5	15.2	21.4	25.1
95°	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0	33.5	42.1	49.9
97.5°	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0	53.6	62.8	74.4
100°	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1	68.7	76.5	90.2
102.5°	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0	83.9	91.6	105.4
105°	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9	108.3	114.3	127.2
107.5°	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6	132.3	138.2	150.1
110°	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1	149.6	154.6	165.8





TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2	164.6	170.5	181.0
115°	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8	189.1	194.2	204.5
117.5°	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1	212.6	217.7	226.9
120°	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3	227.7	232.9	240.6
122.5°	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8	241.4	246.6	255.0
125°	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8	260.4	265.5	275.9
127.5°	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9	276.4	283.5	294.9
130°	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9	285.2	293.9	305.9
132.5°	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1	294.2	303.5	316.2
135°	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5	305.9	316.2	329.1
137.5°	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2	318.3	328.6	342.3
140°	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1	326.6	336.8	350.6
142.5°	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0	334.8	344.4	358.2
145°	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4	348.9	357.5	370.4
147.5°	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9	362.5	370.7	382.5
150°	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5	372.0	378.9	390.1
152.5°	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1	380.3	387.2	397.0
155°	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7	393.6	398.7	408.2
157.5°	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1	404.9	409.1	417.2
160°	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6	412.5	415.9	422.8
162.5°	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1	418.6	422.1	427.6
165°	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9	427.1	428.8	433.9
167.5°	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1	434.1	435.7	438.9
170°	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0	438.2	439.1	441.7
172.5°	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7	441.7	441.2	443.8
175°	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0	445.1	444.3	446.0
177.5°	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5	446.2	445.5	446.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1466.9	1464.1	1454.6	1449.6	1441.3	1433.6	1428.5	1430.8	1432.6	1431.7	1430.4
5°	1424.9	1414.0	1397.4	1383.1	1372.9	1354.0	1346.0	1342.0	1338.6	1334.6	1330.6
7.5°	1374.8	1357.7	1333.9	1313.5	1294.3	1270.9	1257.6	1249.6	1241.4	1232.3	1224.3
10°	1339.2	1315.2	1290.0	1261.5	1238.6	1217.5	1198.6	1186.0	1174.7	1163.7	1155.8
12.5°	1301.7	1274.0	1242.9	1203.9	1178.7	1148.5	1145.6	1123.4	1105.6	1098.9	1089.5
15°	1242.1	1203.2	1163.7	1117.5	1097.5	1070.1	1052.9	1035.8	1020.4	1009.5	1006.7
17.5°	1174.3	1124.0	1084.8	1051.5	1018.7	990.7	974.9	961.2	948.5	934.0	932.0
20°	1122.7	1079.2	1036.4	1007.2	973.5	944.9	925.5	911.8	901.0	892.4	884.9
22.5°	1073.8	1026.2	987.0	955.1	921.9	898.8	883.5	870.2	861.2	851.7	844.7
25°	995.2	958.1	915.2	879.3	851.8	837.0	824.4	813.0	807.3	801.0	793.0
27.5°	926.5	885.3	845.2	817.3	793.2	780.1	771.2	763.4	758.0	754.3	749.8
30°	878.1	836.4	804.9	777.6	757.6	744.4	738.7	734.2	727.9	725.6	723.3
32.5°	831.5	793.9	767.1	743.3	724.2	715.7	710.4	706.3	701.4	699.0	694.5
35°	765.6	734.2	707.8	694.7	679.3	671.8	667.9	662.2	657.5	655.3	654.7
37.5°	703.5	676.2	658.9	642.0	635.5	630.9	625.5	621.6	620.2	619.8	619.3
40°	663.3	641.0	625.6	611.9	609.0	602.2	597.6	594.2	594.2	594.8	594.2
42.5°	626.7	606.7	593.1	581.3	577.9	573.9	569.3	569.0	570.0	571.9	570.0
45°	571.3	557.1	547.3	541.6	535.3	531.3	530.7	532.4	533.0	533.6	535.3
47.5°	520.4	510.8	502.0	495.8	493.0	492.3	491.6	494.6	497.4	498.4	501.0
50°	490.2	479.3	471.9	467.9	465.6	464.5	465.6	469.1	471.3	474.2	475.9
52.5°	456.3	448.7	443.6	440.5	439.5	440.2	440.5	444.4	448.1	449.0	449.9
55°	409.7	403.9	402.8	397.6	399.9	399.3	402.2	404.5	407.9	411.4	411.9
57.5°	363.0	358.4	355.3	355.9	356.5	359.0	361.4	365.4	369.1	372.7	373.1
60°	331.9	329.7	328.0	328.0	329.1	332.5	335.4	339.3	341.6	344.0	345.6
62.5°	303.6	301.4	299.6	300.5	303.5	305.6	308.8	311.0	313.3	315.6	316.4
65°	258.8	257.7	259.4	260.5	261.1	264.0	267.9	269.7	271.9	273.1	277.1
67.5°	217.6	217.7	217.6	219.1	222.5	223.2	227.0	230.9	231.4	233.6	236.2
70°	189.7	190.8	192.0	193.1	196.0	197.1	199.9	201.6	204.0	205.7	207.4
72.5°	164.1	164.3	165.5	165.2	167.6	170.1	172.5	174.3	176.5	178.7	180.4
75°	126.2	126.2	127.4	127.9	130.9	133.7	133.1	134.2	136.6	138.8	140.0
77.5°	92.2	90.9	92.2	92.8	93.7	96.1	96.5	98.2	100.7	100.0	101.3
80°	70.3	68.5	70.3	70.9	70.9	73.7	73.7	74.8	76.5	74.8	76.5
82.5°	50.2	49.3	50.6	50.7	51.7	51.7	52.7	52.9	54.6	53.8	54.6
85°	25.1	24.5	25.1	24.5	25.1	25.7	25.7	25.1	25.1	26.3	24.5
87.5°	9.8	9.9	10.3	11.5	12.1	11.8	11.2	11.0	10.7	10.1	10.2
90°	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5	25.7	27.5	28.3
92.5°	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9	64.3	57.1	51.7
95°	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2	172.7	136.6	117.7
97.5°	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4	429.8	336.8	274.8
100°	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5	678.0	560.3	456.3
102.5°	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3	930.3	844.2	734.0
105°	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0	1141.2	1152.4	1123.9
107.5°	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5	1125.7	1215.0	1256.6
110°	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8	1077.5	1187.6	1258.0



TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9	1020.5	1138.1	1218.8
115°	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3	942.6	1055.2	1143.8
117.5°	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2	879.4	981.5	1064.5
120°	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9	846.4	937.5	1015.7
122.5°	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3	818.9	905.2	975.9
125°	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3	782.8	858.4	922.9
127.5°	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7	747.8	819.1	878.6
130°	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5	724.4	792.3	849.0
132.5°	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0	702.4	764.7	818.0
135°	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0	667.7	724.4	772.5
137.5°	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5	640.0	685.0	726.9
140°	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9	622.2	661.7	699.5
142.5°	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3	606.3	640.3	672.0
145°	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7	586.1	612.7	637.6
147.5°	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2	569.6	590.3	608.6
150°	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7	558.5	576.6	592.0
152.5°	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1	549.6	564.9	578.3
155°	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6	535.4	548.2	557.7
157.5°	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4	520.9	531.8	539.2
160°	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8	511.3	520.7	526.8
162.5°	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3	502.3	510.4	515.1
165°	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9	489.0	495.0	498.4
167.5°	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1	476.7	480.9	484.0
170°	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6	469.2	472.6	474.3
172.5°	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4	462.3	465.0	466.1
175°	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7	454.6	455.5	456.3
177.5°	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9	448.9	449.6	449.6
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1425.7	1424.9	1424.9	1420.7	1424.9	1424.9	1425.7	1430.4	1431.7	1432.6	1430.8
5°	1322.6	1320.9	1318.0	1320.9	1318.0	1320.9	1322.6	1330.6	1334.6	1338.6	1342.0
7.5°	1220.6	1213.7	1212.6	1205.9	1212.6	1213.7	1220.6	1224.3	1232.3	1241.4	1249.6
10°	1146.1	1141.5	1140.9	1130.1	1140.9	1141.5	1146.1	1155.8	1163.7	1174.7	1186.0
12.5°	1089.4	1078.4	1080.6	1074.3	1080.6	1078.4	1089.4	1089.5	1098.9	1105.6	1123.4
15°	991.3	991.3	988.9	979.2	988.9	991.3	991.3	1006.7	1009.5	1020.4	1035.8
17.5°	920.8	919.5	914.1	916.9	914.1	919.5	920.8	932.0	934.0	948.5	961.2
20°	878.7	875.3	868.4	868.4	868.4	875.3	878.7	884.9	892.4	901.0	911.8
22.5°	839.0	838.7	831.4	833.6	831.4	838.7	839.0	844.7	851.7	861.2	870.2
25°	792.4	787.8	784.5	786.1	784.5	787.8	792.4	793.0	801.0	807.3	813.0
27.5°	748.3	745.8	745.5	740.9	745.5	745.8	748.3	749.8	754.3	758.0	763.4
30°	722.7	717.0	718.2	715.3	718.2	717.0	722.7	723.3	725.6	727.9	734.2
32.5°	693.4	691.4	690.3	687.9	690.3	691.4	693.4	694.5	699.0	701.4	706.3
35°	653.6	654.2	651.3	652.5	651.3	654.2	653.6	654.7	655.3	657.5	662.2
37.5°	618.7	620.5	619.2	619.6	619.2	620.5	618.7	619.3	619.8	620.2	621.6
40°	595.9	595.9	595.9	597.6	595.9	595.9	595.9	594.2	594.8	594.2	594.2
42.5°	573.9	573.0	572.1	572.0	572.1	573.0	573.9	570.0	571.9	570.0	569.0
45°	536.5	538.2	538.7	535.9	538.7	538.2	536.5	535.3	533.6	533.0	532.4
47.5°	502.6	502.7	502.6	505.1	502.6	502.7	502.6	501.0	498.4	497.4	494.6
50°	478.8	477.6	478.8	477.6	478.8	477.6	478.8	475.9	474.2	471.3	469.1
52.5°	453.7	453.8	453.1	453.0	453.1	453.8	453.7	449.9	449.0	448.1	444.4
55°	414.2	415.3	414.7	414.7	414.7	415.3	414.2	411.9	411.4	407.9	404.5
57.5°	373.4	374.4	375.2	372.7	375.2	374.4	373.4	373.1	372.7	369.1	365.4
60°	345.1	347.9	347.3	346.2	347.3	347.9	345.1	345.6	344.0	341.6	339.3
62.5°	319.0	320.0	319.9	319.7	319.9	320.0	319.0	316.4	315.6	313.3	311.0
65°	278.8	279.9	278.2	279.9	278.2	279.9	278.8	277.1	273.1	271.9	269.7
67.5°	235.5	235.8	237.1	237.9	237.1	235.8	235.5	236.2	233.6	231.4	230.9
70°	208.5	207.9	209.7	211.4	209.7	207.9	208.5	207.4	205.7	204.0	201.6
72.5°	180.2	181.4	180.9	182.1	180.9	181.4	180.2	180.4	178.7	176.5	174.3
75°	138.8	140.5	140.0	141.7	140.0	140.5	138.8	140.0	138.8	136.6	134.2
77.5°	100.3	100.6	100.3	101.3	100.3	100.6	100.3	101.3	100.0	100.7	98.2
80°	76.5	75.4	74.3	76.5	74.3	75.4	76.5	76.5	74.8	76.5	74.8
82.5°	53.2	53.9	52.8	52.8	52.8	53.9	53.2	54.6	53.8	54.6	52.9
85°	24.5	24.0	22.8	22.8	22.8	24.0	24.5	24.5	26.3	25.1	25.1
87.5°	10.2	9.8	9.8	9.3	9.8	9.8	10.2	10.2	10.1	10.7	11.0
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5
92.5°	51.1	48.3	49.0	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9
95°	106.6	99.7	97.1	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2
97.5°	233.8	212.6	200.0	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4
100°	385.0	348.0	323.1	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5
102.5°	656.5	593.4	562.3	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3
105°	1070.7	1017.4	980.4	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0
107.5°	1263.3	1260.4	1253.0	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5
110°	1294.9	1311.3	1319.1	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8



TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1270.2	1297.5	1312.2	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9
115°	1204.7	1244.2	1266.6	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3
117.5°	1126.7	1168.5	1192.1	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2
120°	1075.8	1116.2	1141.2	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9
122.5°	1029.8	1069.4	1091.7	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3
125°	972.8	1005.4	1026.8	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3
127.5°	922.0	952.6	971.2	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7
130°	891.1	920.3	937.5	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5
132.5°	859.5	888.7	904.5	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0
135°	809.4	837.8	853.3	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0
137.5°	760.7	785.1	798.7	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5
140°	726.9	749.3	762.2	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9
142.5°	698.1	718.4	729.9	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3
145°	658.2	672.9	681.4	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7
147.5°	625.6	637.2	643.1	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2
150°	604.9	615.3	620.4	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7
152.5°	588.4	597.4	601.2	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1
155°	567.1	573.2	576.6	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6
157.5°	545.8	550.8	552.3	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4
160°	532.8	537.1	538.0	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8
162.5°	521.1	524.0	524.9	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3
165°	501.8	505.2	505.2	504.4	505.2	505.2	501.8	498.4	495.0	489.0	482.9
167.5°	485.5	487.4	487.2	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1
170°	475.2	477.8	476.9	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6
172.5°	466.9	468.1	467.3	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4
175°	456.3	457.2	456.3	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7
177.5°	449.6	449.6	448.9	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1428.5	1433.6	1441.3	1449.6	1454.6	1464.1	1466.9	1471.4	1475.6	1485.2	1495.2
5°	1346.0	1354.0	1372.9	1383.1	1397.4	1414.0	1424.9	1436.3	1448.9	1470.6	1490.6
7.5°	1257.6	1270.9	1294.3	1313.5	1333.9	1357.7	1374.8	1397.4	1416.2	1446.8	1476.0
10°	1198.6	1217.5	1238.6	1261.5	1290.0	1315.2	1339.2	1367.7	1390.6	1427.1	1461.5
12.5°	1145.6	1148.5	1178.7	1203.9	1242.9	1274.0	1301.7	1338.5	1360.9	1404.3	1440.4
15°	1052.9	1070.1	1097.5	1117.5	1163.7	1203.2	1242.1	1280.3	1306.1	1359.7	1407.1
17.5°	974.9	990.7	1018.7	1051.5	1084.8	1124.0	1174.3	1214.6	1249.6	1311.0	1367.0
20°	925.5	944.9	973.5	1007.2	1036.4	1079.2	1122.7	1168.9	1206.6	1275.7	1341.4
22.5°	883.5	898.8	921.9	955.1	987.0	1026.2	1073.8	1124.1	1163.6	1238.3	1304.8
25°	824.4	837.0	851.8	879.3	915.2	958.1	995.2	1050.7	1108.4	1178.0	1258.6
27.5°	771.2	780.1	793.2	817.3	845.2	885.3	926.5	979.1	1037.2	1112.8	1197.8
30°	738.7	744.4	757.6	777.6	804.9	836.4	878.1	928.4	987.8	1064.4	1148.9
32.5°	710.4	715.7	724.2	743.3	767.1	793.9	831.5	881.8	938.4	1013.7	1107.3
35°	667.9	671.8	679.3	694.7	707.8	734.2	765.6	811.2	864.4	936.4	1033.5
37.5°	625.5	630.9	635.5	642.0	658.9	676.2	703.5	742.1	794.3	866.9	959.5
40°	597.6	602.2	609.0	611.9	625.6	641.0	663.3	698.7	751.3	817.5	907.8
42.5°	569.3	573.9	577.9	581.3	593.1	606.7	626.7	657.1	703.8	768.2	857.6
45°	530.7	531.3	535.3	541.6	547.3	557.1	571.3	597.6	633.6	694.1	775.2
47.5°	491.6	492.3	493.0	495.8	502.0	510.8	520.4	541.7	573.9	622.2	701.2
50°	465.6	464.5	465.6	467.9	471.9	479.3	490.2	505.6	531.9	577.0	649.6
52.5°	440.5	440.2	439.5	440.5	443.6	448.7	456.3	469.5	493.0	534.5	598.4
55°	402.2	399.3	399.9	397.6	402.8	403.9	409.7	420.5	441.1	469.6	529.6
57.5°	361.4	359.0	356.5	355.9	355.3	358.4	363.0	371.6	387.4	412.3	461.1
60°	335.4	332.5	329.1	328.0	328.0	329.7	331.9	338.2	353.1	375.4	415.3
62.5°	308.8	305.6	303.5	300.5	299.6	301.4	303.6	308.1	318.8	339.7	374.2
65°	267.9	264.0	261.1	260.5	259.4	257.7	258.8	263.4	271.9	288.5	315.9
67.5°	227.0	223.2	222.5	219.1	217.6	217.7	217.6	221.4	226.6	240.9	261.3
70°	199.9	197.1	196.0	193.1	192.0	190.8	189.7	193.1	198.3	210.3	228.0
72.5°	172.5	170.1	167.6	165.2	165.5	164.3	164.1	166.2	170.4	181.4	195.0
75°	133.1	133.7	130.9	127.9	127.4	126.2	126.2	127.9	129.7	138.3	149.1
77.5°	96.5	96.1	93.7	92.8	92.2	90.9	92.2	93.3	94.3	100.0	108.0
80°	73.7	73.7	70.9	70.9	70.3	68.5	70.3	69.1	71.4	77.1	82.8
82.5°	52.7	51.7	51.7	50.7	50.6	49.3	50.2	51.3	52.2	56.1	59.5
85°	25.7	25.7	25.1	24.5	25.1	24.5	25.1	25.7	26.3	28.0	30.8
87.5°	11.2	11.8	12.1	11.5	10.3	9.9	9.8	10.0	10.5	10.2	10.2
90°	28.3	29.2	28.3	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9
92.5°	94.4	111.7	110.1	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5
95°	294.7	336.8	298.2	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0
97.5°	603.2	575.1	433.1	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0
100°	802.6	678.8	467.4	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1
102.5°	876.8	682.3	454.4	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0
105°	865.3	636.7	428.8	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9
107.5°	789.9	588.0	416.0	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6
110°	742.4	564.6	413.4	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1



TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	709.5	549.4	414.0	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2
115°	668.6	532.8	417.6	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8
117.5°	642.7	524.7	423.8	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1
120°	629.0	519.9	427.9	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3
122.5°	617.3	517.1	432.7	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8
125°	600.6	512.1	440.0	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8
127.5°	585.2	509.2	447.4	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9
130°	574.9	507.8	452.9	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9
132.5°	566.6	507.1	458.3	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1
135°	555.1	506.1	464.9	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5
137.5°	547.0	505.9	470.7	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2
140°	542.3	505.2	473.5	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1
142.5°	537.4	505.2	475.5	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0
145°	531.1	503.5	477.8	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4
147.5°	524.5	500.5	478.5	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9
150°	519.0	498.4	477.8	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5
152.5°	514.2	495.0	476.4	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1
155°	505.2	489.0	474.3	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7
157.5°	496.9	482.8	470.4	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1
160°	490.7	478.6	468.3	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6
162.5°	485.2	475.2	466.2	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1
165°	476.0	468.3	462.3	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9
167.5°	467.1	462.3	458.3	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1
170°	462.3	458.8	456.3	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0
172.5°	457.5	454.8	453.6	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7
175°	451.2	450.3	449.4	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0
177.5°	447.5	446.9	447.5	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331404-935

CATALOG NUMBER: S122DIP-S865D925U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1494.4	1496.6	1503.9	1511.2	1519.5	1521.7	1525.4	1522.2	1521.3	1530.0	1536.4
5°	1498.6	1508.8	1528.9	1547.1	1562.5	1573.4	1584.8	1589.4	1597.9	1610.0	1624.8
7.5°	1493.7	1513.7	1545.2	1571.8	1600.9	1621.7	1638.1	1652.0	1669.0	1691.7	1716.5
10°	1488.2	1515.1	1553.4	1586.0	1621.3	1648.2	1670.5	1692.2	1717.4	1748.8	1781.3
12.5°	1478.3	1510.1	1558.0	1596.5	1641.9	1668.4	1698.4	1745.2	1772.2	1816.0	1861.8
15°	1458.0	1493.4	1560.2	1607.7	1659.1	1709.3	1764.8	1809.4	1853.9	1879.6	1944.2
17.5°	1428.0	1480.0	1553.9	1609.3	1674.6	1753.9	1816.1	1866.6	1918.0	1959.7	1992.1
20°	1403.7	1460.3	1544.8	1611.1	1688.8	1773.9	1845.4	1896.8	1941.3	1976.2	1996.1
22.5°	1373.1	1444.2	1526.6	1604.2	1703.4	1787.6	1862.7	1903.2	1940.4	1957.4	1965.1
25°	1324.9	1410.6	1503.7	1598.5	1710.5	1799.7	1868.2	1892.7	1903.6	1887.1	1859.6
27.5°	1272.9	1368.4	1477.3	1587.8	1706.2	1791.8	1841.0	1837.1	1818.7	1765.1	1722.3
30°	1234.1	1339.2	1456.3	1576.8	1695.7	1779.1	1807.7	1779.1	1737.3	1677.4	1616.3
32.5°	1193.3	1302.2	1433.9	1561.3	1676.5	1749.8	1756.0	1706.8	1642.3	1574.1	1497.9
35°	1131.8	1249.5	1391.7	1526.6	1635.6	1682.0	1654.5	1567.7	1491.2	1398.0	1294.0
37.5°	1062.2	1192.1	1334.8	1475.7	1574.5	1586.7	1518.5	1427.1	1319.1	1209.7	1087.4
40°	1010.1	1147.8	1294.6	1436.8	1524.2	1511.7	1424.9	1324.3	1195.8	1062.0	948.4
42.5°	963.5	1101.1	1250.7	1390.3	1460.3	1425.7	1324.3	1200.9	1062.7	936.9	832.8
45°	882.7	1024.3	1177.5	1312.3	1352.3	1290.0	1155.8	1018.6	882.7	777.6	695.3
47.5°	804.3	944.3	1096.0	1214.5	1228.6	1144.9	998.2	857.1	740.2	654.6	596.6
50°	746.7	887.3	1037.5	1143.2	1138.6	1037.5	886.7	752.4	654.7	585.6	546.7
52.5°	695.1	827.9	972.2	1068.2	1044.0	933.8	789.8	670.6	590.3	536.2	501.0
55°	614.8	737.5	874.7	951.8	907.2	785.0	663.3	567.3	507.9	467.4	439.9
57.5°	534.9	650.1	767.5	815.0	765.8	652.9	551.5	481.8	437.1	407.1	389.3
60°	485.6	586.2	690.7	731.8	673.0	572.5	492.5	430.2	394.2	369.6	353.6
62.5°	436.3	526.3	624.9	647.3	593.5	508.5	437.6	385.9	356.3	334.4	319.3
65°	369.1	442.7	517.6	532.4	482.8	417.1	361.1	327.4	301.1	285.1	273.1
67.5°	302.6	361.9	414.9	426.9	383.3	337.8	297.3	267.9	250.1	236.9	226.7
70°	263.4	310.2	353.6	363.3	328.5	287.9	257.1	233.7	217.7	206.2	196.6
72.5°	221.8	260.9	297.0	303.5	275.0	244.1	218.7	200.3	186.1	178.8	169.5
75°	169.7	192.5	220.5	222.2	203.4	184.5	165.1	153.1	145.7	136.6	132.0
77.5°	119.8	137.7	153.7	156.8	145.6	132.8	121.9	112.4	106.2	101.9	97.7
80°	91.4	105.7	112.5	116.6	108.6	99.4	93.2	86.9	82.8	80.0	77.1
82.5°	65.3	74.1	80.6	83.6	79.3	73.8	67.5	64.0	60.9	58.5	57.5
85°	33.1	37.1	41.2	42.3	41.2	38.8	35.4	35.4	33.7	33.1	33.1
87.5°	12.1	14.6	15.0	16.7	16.3	17.1	18.3	18.9	18.7	18.0	17.4
90°	3.4	6.9	8.6	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5
92.5°	15.2	21.4	25.1	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9
95°	33.5	42.1	49.9	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2
97.5°	53.6	62.8	74.4	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4
100°	68.7	76.5	90.2	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5
102.5°	83.9	91.6	105.4	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3
105°	108.3	114.3	127.2	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0
107.5°	132.3	138.2	150.1	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5
110°	149.6	154.6	165.8	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	164.6	170.5	181.0	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9
115°	189.1	194.2	204.5	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3
117.5°	212.6	217.7	226.9	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2
120°	227.7	232.9	240.6	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9
122.5°	241.4	246.6	255.0	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3
125°	260.4	265.5	275.9	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3
127.5°	276.4	283.5	294.9	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7
130°	285.2	293.9	305.9	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5
132.5°	294.2	303.5	316.2	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0
135°	305.9	316.2	329.1	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0
137.5°	318.3	328.6	342.3	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5
140°	326.6	336.8	350.6	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9
142.5°	334.8	344.4	358.2	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3
145°	348.9	357.5	370.4	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7
147.5°	362.5	370.7	382.5	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2
150°	372.0	378.9	390.1	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7
152.5°	380.3	387.2	397.0	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1
155°	393.6	398.7	408.2	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6
157.5°	404.9	409.1	417.2	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4
160°	412.5	415.9	422.8	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8
162.5°	418.6	422.1	427.6	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3
165°	427.1	428.8	433.9	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9
167.5°	434.1	435.7	438.9	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1
170°	438.2	439.1	441.7	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6
172.5°	441.7	441.2	443.8	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4
175°	445.1	444.3	446.0	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7
177.5°	446.2	445.5	446.9	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1541.9	1548.3	1548.3	1549.2	1556.5	1555.6	1555.1
5°	1640.8	1650.5	1651.7	1662.0	1668.8	1666.6	1660.3
7.5°	1734.1	1752.2	1765.9	1773.6	1782.6	1788.2	1785.7
10°	1808.2	1834.4	1850.5	1861.3	1874.5	1884.2	1880.8
12.5°	1875.4	1906.7	1928.6	1947.2	1949.0	1961.4	1953.0
15°	1980.2	2013.3	2016.7	2030.4	2041.3	2040.1	2040.7
17.5°	2014.8	2025.4	2027.6	2027.9	2028.1	2024.0	2015.3
20°	2002.4	1998.5	1988.7	1981.3	1968.2	1966.4	1955.1
22.5°	1944.0	1931.3	1906.9	1890.8	1870.4	1865.0	1861.8
25°	1828.8	1800.8	1762.0	1724.8	1714.5	1694.5	1700.2
27.5°	1670.8	1627.1	1585.0	1554.9	1527.6	1497.6	1506.2
30°	1559.7	1510.5	1451.1	1405.4	1376.3	1347.7	1342.6
32.5°	1427.1	1355.1	1288.9	1248.6	1204.0	1185.9	1166.1
35°	1198.6	1128.3	1062.6	1006.1	973.5	948.4	925.5
37.5°	993.1	912.1	859.1	813.3	789.8	775.4	779.0
40°	865.6	794.7	755.9	721.0	699.3	689.0	691.3
42.5°	762.2	709.2	677.3	653.3	638.0	632.3	630.9
45°	645.0	615.3	589.0	575.3	567.9	561.6	557.6
47.5°	565.0	540.8	526.0	517.8	511.3	504.9	504.8
50°	517.0	501.0	490.8	482.2	477.1	472.5	476.5
52.5°	480.4	465.9	455.6	447.9	446.0	441.9	441.8
55°	426.2	414.7	407.3	400.5	397.1	394.8	391.9
57.5°	376.9	366.0	359.1	354.8	348.3	345.9	345.1
60°	341.6	333.0	326.2	320.5	317.6	313.1	313.1
62.5°	309.2	300.7	294.2	289.9	285.2	283.4	283.9
65°	262.3	255.4	249.1	244.5	243.4	240.0	241.1
67.5°	219.0	214.5	207.8	205.3	203.2	201.3	199.9
70°	190.3	185.7	182.3	178.8	177.1	177.1	177.1
72.5°	166.0	160.6	158.5	154.1	155.2	153.3	151.5
75°	128.5	125.1	123.4	121.7	118.8	118.8	118.8
77.5°	94.6	93.6	91.5	89.7	89.0	88.4	88.7
80°	73.1	72.6	71.4	71.4	70.3	69.7	68.5
82.5°	56.2	54.8	54.1	53.6	53.4	53.2	53.0
85°	32.0	30.8	30.8	31.4	30.3	30.3	30.8
87.5°	17.5	17.8	17.6	17.6	18.0	17.6	17.6
90°	25.7	27.5	28.3	28.3	28.3	28.3	28.3
92.5°	64.3	57.1	51.7	51.1	48.3	49.0	47.6
95°	172.7	136.6	117.7	106.6	99.7	97.1	98.0
97.5°	429.8	336.8	274.8	233.8	212.6	200.0	192.9
100°	678.0	560.3	456.3	385.0	348.0	323.1	307.6
102.5°	930.3	844.2	734.0	656.5	593.4	562.3	541.4
105°	1141.2	1152.4	1123.9	1070.7	1017.4	980.4	968.5
107.5°	1125.7	1215.0	1256.6	1263.3	1260.4	1253.0	1237.1
110°	1077.5	1187.6	1258.0	1294.9	1311.3	1319.1	1318.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1020.5	1138.1	1218.8	1270.2	1297.5	1312.2	1316.8
115°	942.6	1055.2	1143.8	1204.7	1244.2	1266.6	1274.4
117.5°	879.4	981.5	1064.5	1126.7	1168.5	1192.1	1198.5
120°	846.4	937.5	1015.7	1075.8	1116.2	1141.2	1149.8
122.5°	818.9	905.2	975.9	1029.8	1069.4	1091.7	1098.9
125°	782.8	858.4	922.9	972.8	1005.4	1026.8	1033.7
127.5°	747.8	819.1	878.6	922.0	952.6	971.2	976.7
130°	724.4	792.3	849.0	891.1	920.3	937.5	944.3
132.5°	702.4	764.7	818.0	859.5	888.7	904.5	910.7
135°	667.7	724.4	772.5	809.4	837.8	853.3	856.7
137.5°	640.0	685.0	726.9	760.7	785.1	798.7	803.8
140°	622.2	661.7	699.5	726.9	749.3	762.2	767.3
142.5°	606.3	640.3	672.0	698.1	718.4	729.9	730.9
145°	586.1	612.7	637.6	658.2	672.9	681.4	684.0
147.5°	569.6	590.3	608.6	625.6	637.2	643.1	644.6
150°	558.5	576.6	592.0	604.9	615.3	620.4	621.3
152.5°	549.6	564.9	578.3	588.4	597.4	601.2	601.3
155°	535.4	548.2	557.7	567.1	573.2	576.6	574.9
157.5°	520.9	531.8	539.2	545.8	550.8	552.3	552.3
160°	511.3	520.7	526.8	532.8	537.1	538.0	538.0
162.5°	502.3	510.4	515.1	521.1	524.0	524.9	524.2
165°	489.0	495.0	498.4	501.8	505.2	505.2	504.4
167.5°	476.7	480.9	484.0	485.5	487.4	487.2	486.2
170°	469.2	472.6	474.3	475.2	477.8	476.9	475.2
172.5°	462.3	465.0	466.1	466.9	468.1	467.3	466.2
175°	454.6	455.5	456.3	456.3	457.2	456.3	454.6
177.5°	448.9	449.6	449.6	449.6	449.6	448.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9

(END OF REPORT)