

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: P331440-935

Luminaire Tested: **SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331440-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

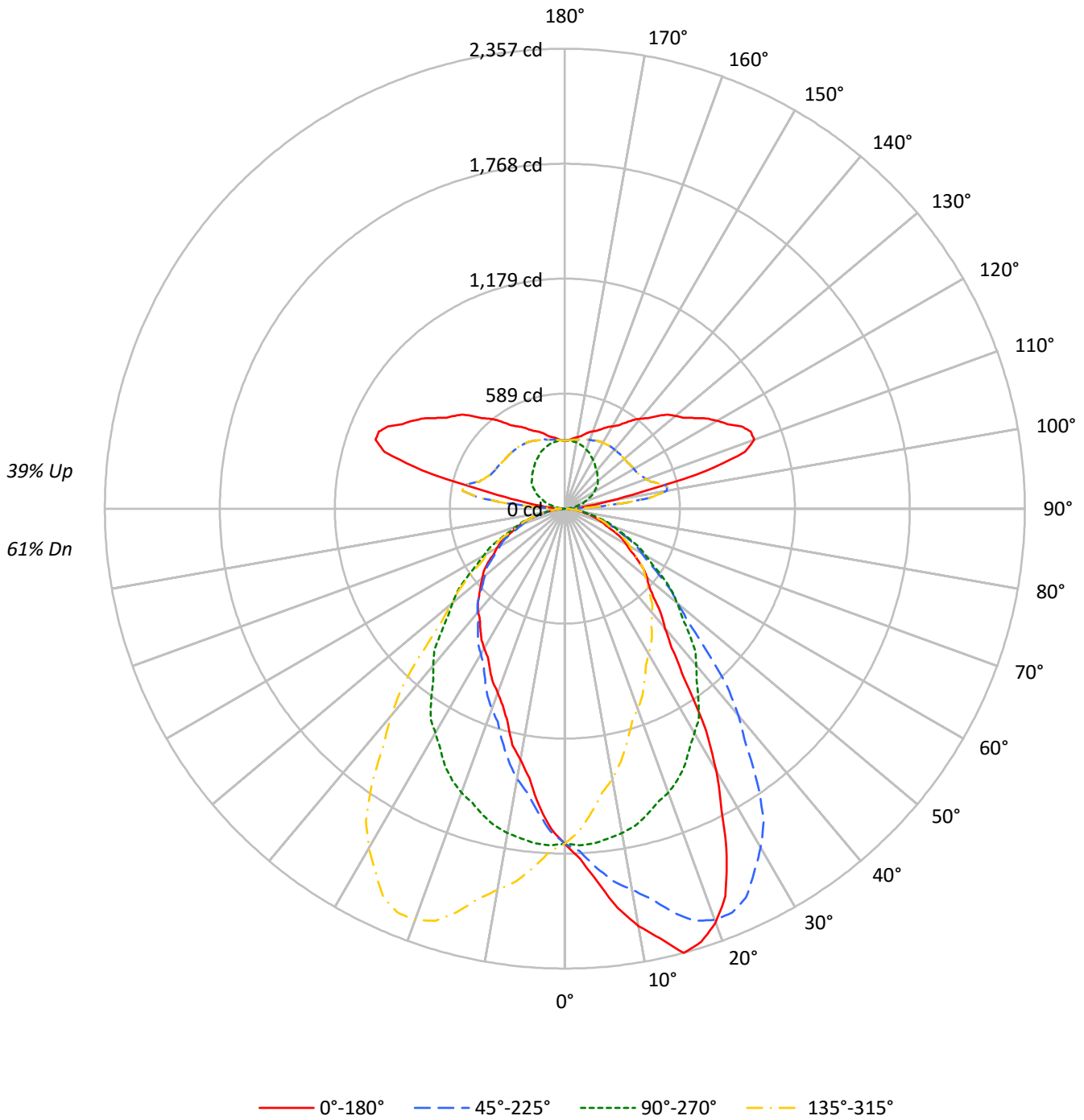
Lumens per Lamp: N/A  
Luminaire Lumens: 6226.4 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331440-935  
CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	101	97	93	90	94	91	87	84	79	77	75	69	67	66	59	58	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	75	68	62	79	71	65	59	62	58	54	55	51	48	47	45	42	39
4	78	67	59	53	73	63	56	51	56	50	46	49	45	42	43	40	37	34
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33	30
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	36	32	29	26
7	61	49	41	36	57	47	40	34	42	36	32	37	32	29	33	29	26	24
8	57	45	37	32	54	43	36	31	38	32	28	34	29	26	30	26	24	21
9	53	41	34	29	50	39	32	28	35	30	26	31	27	23	28	24	21	19
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18

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

	0°	90°	180°	270°
0°	27719	27719	27719	27719
5°	31076	27901	24725	27901
10°	35611	27671	21397	27671
15°	39397	27164	18903	27164
20°	38797	26620	17234	26620
25°	34983	25896	16174	25896
30°	28909	24738	15401	24738
35°	21068	23526	14852	23526
40°	16828	22097	14547	22097
45°	14705	20445	14132	20445
50°	13823	18844	13855	18844
55°	12740	17219	13486	17219
60°	11677	15490	12910	15490
65°	10636	13941	12351	13941
70°	9659	12430	11528	12430
75°	8559	10742	10212	10742
80°	7364	8898	8219	8898
85°	6595	6595	4891	6595



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.5	2.6
10°-20°	475.3	7.6
20°-30°	689.9	11.1
30°-40°	728.0	11.7
40°-50°	644.6	10.4
50°-60°	514.4	8.3
60°-70°	349.6	5.6
70°-80°	179.3	2.9
80°-90°	46.4	0.7
90°-100°	139.9	2.2
100°-110°	474.9	7.6
110°-120°	504.5	8.1
120°-130°	415.3	6.7
130°-140°	333.5	5.4
140°-150°	252.0	4.0
150°-160°	177.1	2.8
160°-170°	104.3	1.7
170°-180°	33.9	0.5
0°-30°	1328.7	21.3
0°-40°	2056.7	33.0
0°-60°	3215.7	51.6
0°-90°	3790.9	60.9
90°-120°	1119.3	18.0
90°-150°	2120.1	34.1
90°-180°	2435.0	39.1
0°-180°	6226.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1717	1717	1717	1717	1717	
5°	1917	1722	1526	1722	1917	191
15°	2357	1625	1131	1625	2357	650
25°	1964	1454	908	1454	1964	888
35°	1069	1194	754	1194	1069	695
45°	644	895	619	895	644	506
55°	453	612	479	612	453	406
65°	278	365	323	365	278	277
75°	137	172	164	172	137	147
85°	36	36	26	36	36	40
90°	22	1	22	1	22	14
95°	77	24	77	24	77	100
105°	758	82	758	82	758	734
115°	998	145	998	145	998	977
125°	810	202	810	202	810	732
135°	671	237	671	237	671	521
145°	536	270	536	270	536	340
155°	450	308	450	308	450	210
165°	395	335	395	335	395	113
175°	356	349	356	349	356	35
180°	350	350	350	350	350	



TEST NUMBER: P331440-935  
 CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1796.0	1796.6	1797.6	1789.2	1788.1	1788.1	1780.7	1774.4	1767.0	1757.0	1758.1
5°	1917.4	1924.7	1927.3	1919.4	1907.5	1906.3	1895.1	1876.5	1859.4	1845.6	1835.7
7.5°	2062.4	2065.3	2058.8	2048.4	2039.5	2023.7	2002.9	1982.4	1953.8	1927.5	1908.0
10°	2172.1	2176.1	2164.9	2149.7	2137.2	2118.7	2088.4	2057.4	2019.7	1983.5	1954.4
12.5°	2255.6	2265.3	2250.9	2248.9	2227.5	2202.1	2165.9	2150.3	2097.3	2046.8	2015.7
15°	2356.9	2356.2	2357.6	2345.0	2329.2	2325.2	2287.0	2245.4	2170.8	2141.1	2089.6
17.5°	2327.6	2337.6	2342.3	2342.1	2341.7	2339.3	2326.9	2300.7	2263.3	2215.2	2155.8
20°	2258.0	2271.1	2273.1	2288.3	2296.9	2308.1	2312.7	2305.4	2282.3	2242.1	2190.6
22.5°	2150.3	2154.0	2160.2	2183.8	2202.4	2230.5	2245.1	2269.5	2260.7	2241.0	2198.0
25°	1963.7	1957.1	1980.1	1992.0	2034.9	2079.7	2112.1	2147.8	2179.4	2198.6	2186.0
27.5°	1739.6	1729.7	1764.3	1795.8	1830.7	1879.2	1929.6	1989.1	2038.6	2100.5	2121.8
30°	1550.6	1556.5	1589.5	1623.2	1675.9	1744.6	1801.3	1866.6	1937.2	2006.6	2054.7
32.5°	1346.9	1369.7	1390.5	1442.1	1488.6	1565.1	1648.2	1729.9	1818.0	1896.8	1971.3
35°	1068.9	1095.3	1124.4	1161.9	1227.3	1303.1	1384.3	1494.5	1614.6	1722.2	1810.6
37.5°	899.7	895.5	912.1	939.4	992.2	1053.5	1146.9	1255.8	1397.1	1523.5	1648.2
40°	798.4	795.7	807.6	832.7	873.0	917.8	999.6	1095.3	1226.6	1381.0	1529.5
42.5°	728.8	730.3	736.9	754.6	782.1	819.1	880.4	961.7	1082.0	1227.4	1387.0
45°	644.0	648.6	655.9	664.4	680.3	710.7	744.9	803.1	898.0	1019.4	1176.5
47.5°	583.0	583.2	590.6	598.1	607.4	624.6	652.6	689.0	756.0	854.9	989.9
50°	550.3	545.7	551.0	556.9	566.8	578.7	597.1	631.5	676.3	756.1	869.0
52.5°	510.1	510.3	515.1	517.3	526.2	538.0	554.9	578.7	619.3	681.7	774.5
55°	452.6	455.9	458.6	462.5	470.5	479.1	492.2	508.1	539.8	586.6	655.2
57.5°	398.6	399.6	402.3	409.7	414.7	422.7	435.2	449.6	470.2	504.9	556.5
60°	361.6	361.6	366.9	370.1	376.8	384.7	394.6	408.5	426.9	455.3	496.9
62.5°	327.8	327.3	329.4	334.8	339.8	347.2	357.1	368.9	386.2	411.5	445.7
65°	278.4	277.2	281.1	282.4	287.7	295.0	302.9	315.4	329.2	347.8	378.1
67.5°	230.9	232.6	234.6	237.1	240.0	247.7	253.0	261.8	273.5	288.9	309.4
70°	204.6	204.6	204.6	206.6	210.5	214.5	219.7	227.0	238.2	251.4	269.8
72.5°	175.0	177.1	179.2	178.1	183.0	185.4	191.7	195.9	206.6	215.0	231.4
75°	137.2	137.2	137.2	140.5	142.5	144.5	148.4	152.4	157.7	168.2	176.8
77.5°	102.4	102.1	102.8	103.6	105.7	108.1	109.3	112.8	117.7	122.6	129.8
80°	79.2	80.5	81.2	82.5	82.5	83.8	84.5	89.1	92.4	95.7	100.3
82.5°	61.2	61.5	61.6	61.9	62.4	63.2	64.9	66.4	67.6	70.3	73.9
85°	35.6	35.0	35.0	36.2	35.6	35.6	36.9	38.2	38.2	38.9	40.9
87.5°	18.2	18.2	18.7	18.2	18.2	18.6	18.3	18.0	18.7	19.4	19.7
90°	22.2	22.2	22.2	22.2	22.2	21.5	20.2	21.5	22.2	22.9	22.2
92.5°	37.3	38.4	37.8	40.0	40.6	44.7	50.4	58.7	73.9	87.5	86.3
95°	76.7	76.0	78.1	83.4	92.2	107.0	135.3	176.3	230.8	263.8	233.6
97.5°	151.0	156.7	166.5	183.0	215.2	263.8	336.7	411.5	472.5	450.4	339.2
100°	240.9	253.0	272.6	301.5	357.4	438.9	531.1	614.5	628.6	531.7	366.1
102.5°	424.0	440.4	464.8	514.2	574.9	661.2	728.7	747.5	686.7	534.4	355.9
105°	758.5	767.9	796.9	838.6	880.4	902.6	893.8	817.8	677.8	498.7	335.9
107.5°	968.9	981.5	987.2	989.5	984.3	951.7	881.7	767.2	618.6	460.5	325.9
110°	1032.4	1033.1	1027.1	1014.3	985.3	930.1	844.0	723.5	581.5	442.2	323.7



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1031.4	1027.8	1016.3	994.9	954.7	891.4	799.3	683.7	555.7	430.3	324.3
115°	998.2	992.0	974.6	943.6	895.8	826.5	738.3	634.6	523.7	417.3	327.1
117.5°	938.7	933.7	915.2	882.5	833.8	768.8	688.8	597.8	503.4	411.0	331.9
120°	900.5	893.8	874.3	842.7	795.6	734.3	663.0	579.5	492.7	407.2	335.2
122.5°	860.7	855.1	837.7	806.6	764.3	708.9	641.4	565.0	483.5	405.0	339.0
125°	809.7	804.3	787.5	761.9	722.8	672.4	613.1	543.8	470.5	401.1	344.6
127.5°	765.0	760.7	746.1	722.2	688.1	641.5	585.7	523.0	458.3	398.8	350.4
130°	739.7	734.3	720.8	697.9	665.0	620.5	567.4	509.5	450.3	397.8	354.7
132.5°	713.3	708.4	696.0	673.2	640.8	599.0	550.2	496.5	443.8	397.3	359.0
135°	671.1	668.3	656.3	634.0	605.0	567.4	523.0	478.5	434.8	396.4	364.1
137.5°	629.6	625.5	614.9	595.8	569.4	536.6	501.3	464.2	428.4	396.3	368.7
140°	601.1	597.0	586.9	569.4	547.9	518.2	487.3	455.0	424.7	395.7	370.8
142.5°	572.5	571.7	562.7	546.8	526.3	501.5	474.9	447.5	420.9	395.7	372.5
145°	535.7	533.7	527.0	515.6	499.4	479.9	459.0	436.8	415.9	394.4	374.2
147.5°	504.9	503.7	499.1	490.0	476.6	462.4	446.1	428.6	410.9	392.0	374.8
150°	486.6	485.9	481.9	473.8	463.7	451.6	437.5	422.7	406.5	390.4	374.2
152.5°	471.0	470.9	467.9	460.9	453.0	442.5	430.5	416.7	402.8	387.7	373.2
155°	450.3	451.6	448.9	444.2	436.8	429.4	419.3	408.5	395.7	383.0	371.5
157.5°	432.7	432.7	431.4	427.5	422.2	416.5	408.0	399.0	389.2	378.2	368.4
160°	421.3	421.3	420.7	417.3	412.6	407.9	400.5	393.0	384.4	374.9	366.8
162.5°	410.5	411.1	410.4	408.1	403.5	399.8	393.5	387.1	380.0	372.2	365.2
165°	395.1	395.7	395.7	393.0	390.4	387.7	383.0	378.2	372.9	366.8	362.1
167.5°	380.8	381.6	381.8	380.3	379.1	376.6	373.4	369.8	365.8	362.1	359.0
170°	372.2	373.5	374.2	372.2	371.5	370.1	367.5	365.5	362.1	359.4	357.4
172.5°	365.2	366.0	366.7	365.8	365.1	364.3	362.1	360.6	358.3	356.2	355.2
175°	356.0	357.4	358.1	357.4	357.4	356.7	356.0	355.3	353.4	352.7	352.0
177.5°	350.5	351.6	352.1	352.1	352.1	352.1	351.6	351.6	350.5	350.0	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1761.8	1757.6	1754.9	1745.4	1736.9	1728.5	1725.9	1726.9	1715.3	1704.2	1699.4
5°	1830.4	1817.1	1804.7	1786.8	1765.7	1742.6	1730.7	1721.5	1698.4	1673.4	1658.8
7.5°	1891.9	1873.0	1848.8	1815.3	1784.6	1748.3	1725.2	1704.7	1670.9	1635.6	1613.9
10°	1929.3	1903.6	1872.6	1831.7	1794.1	1749.9	1718.8	1687.8	1648.2	1606.0	1579.6
12.5°	1961.5	1926.8	1896.4	1843.8	1799.3	1744.0	1707.3	1663.5	1621.9	1571.7	1545.8
15°	2038.2	1974.2	1916.2	1856.7	1802.0	1724.8	1683.9	1625.1	1570.4	1508.4	1478.7
17.5°	2097.5	2025.5	1934.1	1858.6	1794.8	1709.3	1649.2	1578.8	1514.1	1443.2	1402.8
20°	2131.2	2048.7	1950.4	1860.7	1784.2	1686.5	1621.2	1549.3	1473.4	1393.5	1350.0
22.5°	2151.3	2064.6	1967.4	1852.8	1763.1	1668.0	1585.8	1507.0	1430.1	1343.9	1298.3
25°	2157.7	2078.5	1975.6	1846.2	1736.6	1629.1	1530.2	1453.6	1360.6	1280.0	1213.4
27.5°	2126.2	2069.5	1970.5	1833.8	1706.2	1580.5	1470.1	1383.4	1285.2	1197.8	1130.8
30°	2087.7	2054.7	1958.3	1821.1	1681.9	1546.6	1425.2	1326.9	1229.2	1140.8	1072.2
32.5°	2028.1	2020.9	1936.2	1803.2	1656.0	1503.9	1378.3	1278.8	1170.7	1083.8	1018.4
35°	1910.9	1942.5	1889.1	1763.1	1607.3	1443.0	1307.1	1193.6	1081.5	998.3	936.9
37.5°	1753.9	1832.5	1818.5	1704.3	1541.6	1376.8	1226.8	1108.1	1001.3	917.3	857.1
40°	1645.6	1745.9	1760.4	1659.5	1495.2	1325.6	1166.6	1048.4	944.2	867.7	806.9
42.5°	1529.5	1646.7	1686.5	1605.6	1444.5	1271.8	1112.8	990.4	887.2	812.8	759.0
45°	1334.8	1489.9	1561.9	1515.6	1359.9	1183.1	1019.4	895.4	801.7	731.8	690.2
47.5°	1152.9	1322.3	1419.0	1402.7	1265.8	1090.7	928.9	809.9	718.7	662.9	625.7
50°	1024.1	1198.3	1315.0	1320.3	1198.3	1024.7	862.4	750.2	666.4	614.3	583.9
52.5°	912.1	1078.4	1205.7	1233.7	1122.7	956.1	802.7	691.1	617.3	569.5	542.3
55°	766.0	906.6	1047.8	1099.2	1010.2	851.9	710.0	611.7	542.3	509.4	485.6
57.5°	636.9	754.1	884.4	941.3	886.4	750.9	617.9	532.4	476.3	447.4	429.1
60°	568.8	661.2	777.3	845.2	797.7	677.0	560.9	479.7	433.5	407.8	390.6
62.5°	505.4	587.3	685.4	747.6	721.7	607.9	503.9	432.2	392.4	368.2	355.8
65°	417.0	481.6	557.6	614.9	597.8	511.3	426.3	364.9	333.2	314.1	304.2
67.5°	343.4	390.1	442.7	493.0	479.1	417.9	349.6	301.8	278.2	261.7	255.7
70°	297.0	332.5	379.4	419.7	408.5	358.3	304.2	263.3	242.8	228.9	223.0
72.5°	252.6	281.9	317.6	350.5	342.9	301.3	256.1	225.2	209.6	196.7	191.9
75°	190.7	213.1	234.9	256.7	254.7	222.4	196.0	172.2	159.7	149.8	147.8
77.5°	140.8	153.3	168.2	181.1	177.5	159.0	138.3	124.7	115.5	108.8	107.8
80°	107.5	114.8	125.4	134.6	130.0	122.1	105.6	95.7	89.1	82.5	79.8
82.5°	78.0	85.2	91.6	96.6	93.1	85.7	75.5	68.8	64.8	60.3	59.2
85°	40.9	44.9	47.5	48.8	47.5	42.9	38.2	35.6	32.4	30.4	29.7
87.5°	19.5	18.5	17.8	18.5	16.6	16.4	13.8	11.7	11.6	11.6	10.8
90°	18.2	13.4	10.1	8.1	6.7	5.4	2.7	0.7	2.7	5.4	6.7
92.5°	67.2	45.8	30.6	24.2	19.6	16.7	11.9	8.2	11.9	16.7	19.6
95°	155.5	96.9	66.0	49.8	39.0	33.0	26.3	23.6	26.3	33.0	39.0
97.5°	209.5	127.9	88.9	70.7	58.3	49.2	42.0	38.4	42.0	49.2	58.3
100°	220.8	138.6	103.0	84.1	70.7	59.9	53.8	51.8	53.8	59.9	70.7
102.5°	221.3	148.4	115.4	96.5	82.5	71.7	65.7	64.2	65.7	71.7	82.5
105°	224.8	164.9	133.3	114.4	99.6	89.5	84.8	82.1	84.8	89.5	99.6
107.5°	234.1	181.8	151.2	132.2	117.5	108.2	103.7	101.5	103.7	108.2	117.5
110°	241.6	193.1	163.6	144.0	129.9	121.1	117.1	114.4	117.1	121.1	129.9





TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	249.7	204.0	175.4	155.3	141.7	133.5	129.0	126.2	129.0	133.5	141.7
115°	261.8	220.8	191.8	173.7	160.1	152.1	148.1	144.7	148.1	152.1	160.1
117.5°	274.7	236.3	209.5	190.6	177.7	170.6	166.5	163.8	166.5	170.6	177.7
120°	283.4	247.0	220.8	201.9	188.5	182.4	178.4	175.6	178.4	182.4	188.5
122.5°	290.9	257.3	232.6	213.2	199.8	193.1	189.2	187.0	189.2	193.1	199.8
125°	302.9	272.6	248.3	229.5	216.0	207.9	204.0	201.9	204.0	207.9	216.0
127.5°	314.0	286.9	263.3	243.9	231.0	222.1	216.5	213.8	216.5	222.1	231.0
130°	321.1	295.5	271.9	253.0	239.6	230.1	223.4	220.8	223.4	230.1	239.6
132.5°	328.0	303.0	280.5	261.7	247.7	237.7	230.5	227.2	230.5	237.7	247.7
135°	337.2	313.7	292.1	273.3	257.8	247.7	239.6	236.9	239.6	247.7	257.8
137.5°	344.2	322.3	301.0	283.5	268.1	257.4	249.3	246.1	249.3	257.4	268.1
140°	347.9	327.1	306.9	289.4	274.6	263.8	255.7	253.0	255.7	263.8	274.6
142.5°	351.2	330.9	311.3	294.8	280.5	269.8	262.3	260.0	262.3	269.8	280.5
145°	355.3	336.6	318.3	303.5	290.1	280.0	273.3	270.5	273.3	280.0	290.1
147.5°	357.7	341.1	324.0	310.8	299.6	290.3	283.9	281.9	283.9	290.3	299.6
150°	358.7	343.3	327.8	315.6	305.6	296.8	291.4	289.4	291.4	296.8	305.6
152.5°	359.3	345.4	331.6	320.5	310.9	303.2	297.9	297.0	297.9	303.2	310.9
155°	360.1	348.6	337.2	327.1	319.7	312.3	308.2	307.5	308.2	312.3	319.7
157.5°	360.1	350.9	341.2	332.8	326.8	320.4	317.1	316.5	317.1	320.4	326.8
160°	360.1	352.0	343.9	336.6	331.1	325.7	323.0	322.4	323.0	325.7	331.1
162.5°	359.6	352.6	345.5	339.8	334.9	330.6	327.9	328.3	327.9	330.6	334.9
165°	358.1	353.4	347.3	343.3	339.9	335.9	334.5	335.2	334.5	335.9	339.9
167.5°	357.1	353.2	348.8	346.2	343.8	341.2	340.0	340.9	340.0	341.2	343.8
170°	356.0	352.7	349.3	347.3	345.9	343.9	343.3	344.6	343.3	343.9	345.9
172.5°	354.4	352.1	349.8	348.4	347.6	345.5	345.9	346.7	345.9	345.5	347.6
175°	352.7	351.3	350.0	349.3	349.3	347.9	348.6	349.3	348.6	347.9	349.3
177.5°	351.6	350.5	350.0	350.0	350.0	348.9	349.5	350.5	349.5	348.9	350.0
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1694.2	1691.0	1679.9	1674.1	1664.7	1655.6	1649.8	1652.5	1654.6	1653.6	1651.9
5°	1645.6	1633.1	1613.9	1597.4	1585.5	1563.8	1554.5	1550.0	1546.0	1541.4	1536.7
7.5°	1587.8	1568.1	1540.6	1517.1	1494.9	1467.8	1452.4	1443.2	1433.7	1423.2	1414.0
10°	1546.6	1518.9	1489.9	1456.9	1430.6	1406.1	1384.3	1369.8	1356.6	1344.1	1334.8
12.5°	1503.4	1471.4	1435.5	1390.4	1361.3	1326.4	1323.1	1297.5	1276.9	1269.1	1258.3
15°	1434.4	1389.6	1344.1	1290.6	1267.6	1235.9	1216.1	1196.3	1178.5	1165.9	1162.6
17.5°	1356.2	1298.1	1252.8	1214.4	1176.6	1144.2	1125.9	1110.1	1095.5	1078.7	1076.4
20°	1296.6	1246.4	1197.0	1163.3	1124.4	1091.3	1068.9	1053.1	1040.5	1030.6	1022.1
22.5°	1240.1	1185.2	1139.9	1103.1	1064.7	1038.0	1020.4	1005.0	994.6	983.7	975.6
25°	1149.4	1106.6	1057.0	1015.5	983.8	966.6	952.1	938.9	932.4	925.1	915.8
27.5°	1070.1	1022.4	976.1	943.9	916.1	901.0	890.6	881.7	875.5	871.2	866.0
30°	1014.2	966.0	929.7	898.0	874.9	859.8	853.2	847.9	840.6	838.0	835.3
32.5°	960.3	916.9	885.9	858.4	836.4	826.5	820.4	815.7	810.0	807.4	802.1
35°	884.2	847.9	817.5	802.4	784.5	775.9	771.4	764.7	759.5	756.8	756.1
37.5°	812.5	781.0	761.0	741.5	734.0	728.8	722.4	717.9	716.4	715.9	715.2
40°	766.0	740.3	722.6	706.7	703.4	695.4	690.2	686.2	686.2	686.9	686.2
42.5°	723.8	700.8	685.0	671.3	667.4	662.7	657.5	657.2	658.2	660.5	658.2
45°	659.9	643.3	632.1	625.5	618.3	613.6	612.9	614.9	615.6	616.3	618.3
47.5°	601.0	590.0	579.9	572.6	569.5	568.6	567.8	571.3	574.5	575.7	578.7
50°	566.1	553.6	545.0	540.4	537.8	536.4	537.8	541.7	544.3	547.7	549.7
52.5°	527.1	518.2	512.3	508.8	507.6	508.5	508.8	513.2	517.5	518.7	519.5
55°	473.1	466.5	465.2	459.3	461.8	461.2	464.5	467.2	471.1	475.1	475.7
57.5°	419.2	414.0	410.4	411.0	411.7	414.7	417.4	422.1	426.3	430.5	430.8
60°	383.4	380.7	378.8	378.8	380.0	384.0	387.3	391.9	394.6	397.2	399.2
62.5°	350.6	348.0	346.0	347.1	350.5	352.8	356.7	359.2	361.9	364.5	365.4
65°	298.9	297.6	299.5	300.9	301.5	304.9	309.4	311.4	314.1	315.4	320.0
67.5°	251.2	251.5	251.2	253.1	256.9	257.7	262.1	266.7	267.3	269.8	272.8
70°	219.0	220.4	221.7	223.0	226.4	227.6	230.9	232.9	235.6	237.5	239.5
72.5°	189.5	189.8	191.1	190.8	193.6	196.5	199.2	201.2	203.9	206.4	208.4
75°	145.9	145.9	147.1	147.8	151.1	154.4	153.8	155.1	157.7	160.3	161.7
77.5°	106.5	105.0	106.5	107.2	108.2	111.0	111.5	113.4	116.4	115.5	116.9
80°	81.2	79.2	81.2	81.8	81.8	85.2	85.2	86.4	88.4	86.4	88.4
82.5°	57.9	57.0	58.5	58.6	59.7	59.8	60.9	61.1	63.1	62.2	63.1
85°	29.0	28.4	29.0	28.4	29.0	29.7	29.7	29.0	29.0	30.4	28.4
87.5°	10.6	10.5	10.6	11.5	11.8	11.5	10.8	10.7	10.3	9.6	9.7
90°	8.1	10.1	13.4	18.2	22.2	22.9	22.2	21.5	20.2	21.5	22.2
92.5°	24.2	30.6	45.8	67.2	86.3	87.5	73.9	58.7	50.4	44.7	40.6
95°	49.8	66.0	96.9	155.5	233.6	263.8	230.8	176.3	135.3	107.0	92.2
97.5°	70.7	88.9	127.9	209.5	339.2	450.4	472.5	411.5	336.7	263.8	215.2
100°	84.1	103.0	138.6	220.8	366.1	531.7	628.6	614.5	531.1	438.9	357.4
102.5°	96.5	115.4	148.4	221.3	355.9	534.4	686.7	747.5	728.7	661.2	574.9
105°	114.4	133.3	164.9	224.8	335.9	498.7	677.8	817.8	893.8	902.6	880.4
107.5°	132.2	151.2	181.8	234.1	325.9	460.5	618.6	767.2	881.7	951.7	984.3
110°	144.0	163.6	193.1	241.6	323.7	442.2	581.5	723.5	844.0	930.1	985.3



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	155.3	175.4	204.0	249.7	324.3	430.3	555.7	683.7	799.3	891.4	954.7
115°	173.7	191.8	220.8	261.8	327.1	417.3	523.7	634.6	738.3	826.5	895.8
117.5°	190.6	209.5	236.3	274.7	331.9	411.0	503.4	597.8	688.8	768.8	833.8
120°	201.9	220.8	247.0	283.4	335.2	407.2	492.7	579.5	663.0	734.3	795.6
122.5°	213.2	232.6	257.3	290.9	339.0	405.0	483.5	565.0	641.4	708.9	764.3
125°	229.5	248.3	272.6	302.9	344.6	401.1	470.5	543.8	613.1	672.4	722.8
127.5°	243.9	263.3	286.9	314.0	350.4	398.8	458.3	523.0	585.7	641.5	688.1
130°	253.0	271.9	295.5	321.1	354.7	397.8	450.3	509.5	567.4	620.5	665.0
132.5°	261.7	280.5	303.0	328.0	359.0	397.3	443.8	496.5	550.2	599.0	640.8
135°	273.3	292.1	313.7	337.2	364.1	396.4	434.8	478.5	523.0	567.4	605.0
137.5°	283.5	301.0	322.3	344.2	368.7	396.3	428.4	464.2	501.3	536.6	569.4
140°	289.4	306.9	327.1	347.9	370.8	395.7	424.7	455.0	487.3	518.2	547.9
142.5°	294.8	311.3	330.9	351.2	372.5	395.7	420.9	447.5	474.9	501.5	526.3
145°	303.5	318.3	336.6	355.3	374.2	394.4	415.9	436.8	459.0	479.9	499.4
147.5°	310.8	324.0	341.1	357.7	374.8	392.0	410.9	428.6	446.1	462.4	476.6
150°	315.6	327.8	343.3	358.7	374.2	390.4	406.5	422.7	437.5	451.6	463.7
152.5°	320.5	331.6	345.4	359.3	373.2	387.7	402.8	416.7	430.5	442.5	453.0
155°	327.1	337.2	348.6	360.1	371.5	383.0	395.7	408.5	419.3	429.4	436.8
157.5°	332.8	341.2	350.9	360.1	368.4	378.2	389.2	399.0	408.0	416.5	422.2
160°	336.6	343.9	352.0	360.1	366.8	374.9	384.4	393.0	400.5	407.9	412.6
162.5°	339.8	345.5	352.6	359.6	365.2	372.2	380.0	387.1	393.5	399.8	403.5
165°	343.3	347.3	353.4	358.1	362.1	366.8	372.9	378.2	383.0	387.7	390.4
167.5°	346.2	348.8	353.2	357.1	359.0	362.1	365.8	369.8	373.4	376.6	379.1
170°	347.3	349.3	352.7	356.0	357.4	359.4	362.1	365.5	367.5	370.1	371.5
172.5°	348.4	349.8	352.1	354.4	355.2	356.2	358.3	360.6	362.1	364.3	365.1
175°	349.3	350.0	351.3	352.7	352.0	352.7	353.4	355.3	356.0	356.7	357.4
177.5°	350.0	350.0	350.5	351.6	350.5	350.0	350.5	351.6	351.6	352.1	352.1
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331440-935  
 CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1646.7	1645.6	1645.6	1640.9	1645.6	1645.6	1646.7	1651.9	1653.6	1654.6	1652.5
5°	1527.5	1525.5	1522.2	1525.5	1522.2	1525.5	1527.5	1536.7	1541.4	1546.0	1550.0
7.5°	1409.6	1401.7	1400.6	1392.8	1400.6	1401.7	1409.6	1414.0	1423.2	1433.7	1443.2
10°	1323.6	1318.4	1317.7	1305.1	1317.7	1318.4	1323.6	1334.8	1344.1	1356.6	1369.8
12.5°	1258.2	1245.5	1248.0	1240.7	1248.0	1245.5	1258.2	1258.3	1269.1	1276.9	1297.5
15°	1144.8	1144.8	1142.2	1130.9	1142.2	1144.8	1144.8	1162.6	1165.9	1178.5	1196.3
17.5°	1063.4	1062.0	1055.8	1058.9	1055.8	1062.0	1063.4	1076.4	1078.7	1095.5	1110.1
20°	1014.8	1010.9	1003.0	1003.0	1003.0	1010.9	1014.8	1022.1	1030.6	1040.5	1053.1
22.5°	968.9	968.6	960.2	962.9	960.2	968.6	968.9	975.6	983.7	994.6	1005.0
25°	915.2	909.9	905.9	907.9	905.9	909.9	915.2	915.8	925.1	932.4	938.9
27.5°	864.3	861.3	861.1	855.7	861.1	861.3	864.3	866.0	871.2	875.5	881.7
30°	834.7	828.1	829.4	826.1	829.4	828.1	834.7	835.3	838.0	840.6	847.9
32.5°	800.9	798.5	797.2	794.4	797.2	798.5	800.9	802.1	807.4	810.0	815.7
35°	754.8	755.5	752.2	753.5	752.2	755.5	754.8	756.1	756.8	759.5	764.7
37.5°	714.6	716.7	715.1	715.5	715.1	716.7	714.6	715.2	715.9	716.4	717.9
40°	688.2	688.2	688.2	690.2	688.2	688.2	688.2	686.2	686.9	686.2	686.2
42.5°	662.9	661.9	660.7	660.6	660.7	661.9	662.9	658.2	660.5	658.2	657.2
45°	619.6	621.6	622.2	618.9	622.2	621.6	619.6	618.3	616.3	615.6	614.9
47.5°	580.4	580.7	580.4	583.3	580.4	580.7	580.4	578.7	575.7	574.5	571.3
50°	552.9	551.6	552.9	551.6	552.9	551.6	552.9	549.7	547.7	544.3	541.7
52.5°	523.9	524.2	523.4	523.1	523.4	524.2	523.9	519.5	518.7	517.5	513.2
55°	478.4	479.7	479.1	479.1	479.1	479.7	478.4	475.7	475.1	471.1	467.2
57.5°	431.3	432.5	433.3	430.5	433.3	432.5	431.3	430.8	430.5	426.3	422.1
60°	398.6	401.8	401.1	399.8	401.1	401.8	398.6	399.2	397.2	394.6	391.9
62.5°	368.4	369.6	369.5	369.3	369.5	369.6	368.4	365.4	364.5	361.9	359.2
65°	322.0	323.3	321.3	323.3	321.3	323.3	322.0	320.0	315.4	314.1	311.4
67.5°	272.0	272.4	273.8	274.7	273.8	272.4	272.0	272.8	269.8	267.3	266.7
70°	240.8	240.2	242.2	244.2	242.2	240.2	240.8	239.5	237.5	235.6	232.9
72.5°	208.1	209.6	208.9	210.3	208.9	209.6	208.1	208.4	206.4	203.9	201.2
75°	160.3	162.3	161.7	163.7	161.7	162.3	160.3	161.7	160.3	157.7	155.1
77.5°	115.9	116.1	115.9	116.9	115.9	116.1	115.9	116.9	115.5	116.4	113.4
80°	88.4	87.1	85.8	88.4	85.8	87.1	88.4	88.4	86.4	88.4	86.4
82.5°	61.5	62.3	61.0	61.0	61.0	62.3	61.5	63.1	62.2	63.1	61.1
85°	28.4	27.7	26.4	26.4	26.4	27.7	28.4	28.4	30.4	29.0	29.0
87.5°	9.7	9.2	9.2	8.7	9.2	9.2	9.7	9.7	9.6	10.3	10.7
90°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.5	20.2	21.5
92.5°	40.0	37.8	38.4	37.3	38.4	37.8	40.0	40.6	44.7	50.4	58.7
95°	83.4	78.1	76.0	76.7	76.0	78.1	83.4	92.2	107.0	135.3	176.3
97.5°	183.0	166.5	156.7	151.0	156.7	166.5	183.0	215.2	263.8	336.7	411.5
100°	301.5	272.6	253.0	240.9	253.0	272.6	301.5	357.4	438.9	531.1	614.5
102.5°	514.2	464.8	440.4	424.0	440.4	464.8	514.2	574.9	661.2	728.7	747.5
105°	838.6	796.9	767.9	758.5	767.9	796.9	838.6	880.4	902.6	893.8	817.8
107.5°	989.5	987.2	981.5	968.9	981.5	987.2	989.5	984.3	951.7	881.7	767.2
110°	1014.3	1027.1	1033.1	1032.4	1033.1	1027.1	1014.3	985.3	930.1	844.0	723.5



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	994.9	1016.3	1027.8	1031.4	1027.8	1016.3	994.9	954.7	891.4	799.3	683.7
115°	943.6	974.6	992.0	998.2	992.0	974.6	943.6	895.8	826.5	738.3	634.6
117.5°	882.5	915.2	933.7	938.7	933.7	915.2	882.5	833.8	768.8	688.8	597.8
120°	842.7	874.3	893.8	900.5	893.8	874.3	842.7	795.6	734.3	663.0	579.5
122.5°	806.6	837.7	855.1	860.7	855.1	837.7	806.6	764.3	708.9	641.4	565.0
125°	761.9	787.5	804.3	809.7	804.3	787.5	761.9	722.8	672.4	613.1	543.8
127.5°	722.2	746.1	760.7	765.0	760.7	746.1	722.2	688.1	641.5	585.7	523.0
130°	697.9	720.8	734.3	739.7	734.3	720.8	697.9	665.0	620.5	567.4	509.5
132.5°	673.2	696.0	708.4	713.3	708.4	696.0	673.2	640.8	599.0	550.2	496.5
135°	634.0	656.3	668.3	671.1	668.3	656.3	634.0	605.0	567.4	523.0	478.5
137.5°	595.8	614.9	625.5	629.6	625.5	614.9	595.8	569.4	536.6	501.3	464.2
140°	569.4	586.9	597.0	601.1	597.0	586.9	569.4	547.9	518.2	487.3	455.0
142.5°	546.8	562.7	571.7	572.5	571.7	562.7	546.8	526.3	501.5	474.9	447.5
145°	515.6	527.0	533.7	535.7	533.7	527.0	515.6	499.4	479.9	459.0	436.8
147.5°	490.0	499.1	503.7	504.9	503.7	499.1	490.0	476.6	462.4	446.1	428.6
150°	473.8	481.9	485.9	486.6	485.9	481.9	473.8	463.7	451.6	437.5	422.7
152.5°	460.9	467.9	470.9	471.0	470.9	467.9	460.9	453.0	442.5	430.5	416.7
155°	444.2	448.9	451.6	450.3	451.6	448.9	444.2	436.8	429.4	419.3	408.5
157.5°	427.5	431.4	432.7	432.7	432.7	431.4	427.5	422.2	416.5	408.0	399.0
160°	417.3	420.7	421.3	421.3	421.3	420.7	417.3	412.6	407.9	400.5	393.0
162.5°	408.1	410.4	411.1	410.5	411.1	410.4	408.1	403.5	399.8	393.5	387.1
165°	393.0	395.7	395.7	395.1	395.7	395.7	393.0	390.4	387.7	383.0	378.2
167.5°	380.3	381.8	381.6	380.8	381.6	381.8	380.3	379.1	376.6	373.4	369.8
170°	372.2	374.2	373.5	372.2	373.5	374.2	372.2	371.5	370.1	367.5	365.5
172.5°	365.8	366.7	366.0	365.2	366.0	366.7	365.8	365.1	364.3	362.1	360.6
175°	357.4	358.1	357.4	356.0	357.4	358.1	357.4	357.4	356.7	356.0	355.3
177.5°	352.1	352.1	351.6	350.5	351.6	352.1	352.1	352.1	352.1	351.6	351.6
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1649.8	1655.6	1664.7	1674.1	1679.9	1691.0	1694.2	1699.4	1704.2	1715.3	1726.9
5°	1554.5	1563.8	1585.5	1597.4	1613.9	1633.1	1645.6	1658.8	1673.4	1698.4	1721.5
7.5°	1452.4	1467.8	1494.9	1517.1	1540.6	1568.1	1587.8	1613.9	1635.6	1670.9	1704.7
10°	1384.3	1406.1	1430.6	1456.9	1489.9	1518.9	1546.6	1579.6	1606.0	1648.2	1687.8
12.5°	1323.1	1326.4	1361.3	1390.4	1435.5	1471.4	1503.4	1545.8	1571.7	1621.9	1663.5
15°	1216.1	1235.9	1267.6	1290.6	1344.1	1389.6	1434.4	1478.7	1508.4	1570.4	1625.1
17.5°	1125.9	1144.2	1176.6	1214.4	1252.8	1298.1	1356.2	1402.8	1443.2	1514.1	1578.8
20°	1068.9	1091.3	1124.4	1163.3	1197.0	1246.4	1296.6	1350.0	1393.5	1473.4	1549.3
22.5°	1020.4	1038.0	1064.7	1103.1	1139.9	1185.2	1240.1	1298.3	1343.9	1430.1	1507.0
25°	952.1	966.6	983.8	1015.5	1057.0	1106.6	1149.4	1213.4	1280.0	1360.6	1453.6
27.5°	890.6	901.0	916.1	943.9	976.1	1022.4	1070.1	1130.8	1197.8	1285.2	1383.4
30°	853.2	859.8	874.9	898.0	929.7	966.0	1014.2	1072.2	1140.8	1229.2	1326.9
32.5°	820.4	826.5	836.4	858.4	885.9	916.9	960.3	1018.4	1083.8	1170.7	1278.8
35°	771.4	775.9	784.5	802.4	817.5	847.9	884.2	936.9	998.3	1081.5	1193.6
37.5°	722.4	728.8	734.0	741.5	761.0	781.0	812.5	857.1	917.3	1001.3	1108.1
40°	690.2	695.4	703.4	706.7	722.6	740.3	766.0	806.9	867.7	944.2	1048.4
42.5°	657.5	662.7	667.4	671.3	685.0	700.8	723.8	759.0	812.8	887.2	990.4
45°	612.9	613.6	618.3	625.5	632.1	643.3	659.9	690.2	731.8	801.7	895.4
47.5°	567.8	568.6	569.5	572.6	579.9	590.0	601.0	625.7	662.9	718.7	809.9
50°	537.8	536.4	537.8	540.4	545.0	553.6	566.1	583.9	614.3	666.4	750.2
52.5°	508.8	508.5	507.6	508.8	512.3	518.2	527.1	542.3	569.5	617.3	691.1
55°	464.5	461.2	461.8	459.3	465.2	466.5	473.1	485.6	509.4	542.3	611.7
57.5°	417.4	414.7	411.7	411.0	410.4	414.0	419.2	429.1	447.4	476.3	532.4
60°	387.3	384.0	380.0	378.8	378.8	380.7	383.4	390.6	407.8	433.5	479.7
62.5°	356.7	352.8	350.5	347.1	346.0	348.0	350.6	355.8	368.2	392.4	432.2
65°	309.4	304.9	301.5	300.9	299.5	297.6	298.9	304.2	314.1	333.2	364.9
67.5°	262.1	257.7	256.9	253.1	251.2	251.5	251.2	255.7	261.7	278.2	301.8
70°	230.9	227.6	226.4	223.0	221.7	220.4	219.0	223.0	228.9	242.8	263.3
72.5°	199.2	196.5	193.6	190.8	191.1	189.8	189.5	191.9	196.7	209.6	225.2
75°	153.8	154.4	151.1	147.8	147.1	145.9	145.9	147.8	149.8	159.7	172.2
77.5°	111.5	111.0	108.2	107.2	106.5	105.0	106.5	107.8	108.8	115.5	124.7
80°	85.2	85.2	81.8	81.8	81.2	79.2	81.2	79.8	82.5	89.1	95.7
82.5°	60.9	59.8	59.7	58.6	58.5	57.0	57.9	59.2	60.3	64.8	68.8
85°	29.7	29.7	29.0	28.4	29.0	28.4	29.0	29.7	30.4	32.4	35.6
87.5°	10.8	11.5	11.8	11.5	10.6	10.5	10.6	10.8	11.6	11.6	11.7
90°	22.2	22.9	22.2	18.2	13.4	10.1	8.1	6.7	5.4	2.7	0.7
92.5°	73.9	87.5	86.3	67.2	45.8	30.6	24.2	19.6	16.7	11.9	8.2
95°	230.8	263.8	233.6	155.5	96.9	66.0	49.8	39.0	33.0	26.3	23.6
97.5°	472.5	450.4	339.2	209.5	127.9	88.9	70.7	58.3	49.2	42.0	38.4
100°	628.6	531.7	366.1	220.8	138.6	103.0	84.1	70.7	59.9	53.8	51.8
102.5°	686.7	534.4	355.9	221.3	148.4	115.4	96.5	82.5	71.7	65.7	64.2
105°	677.8	498.7	335.9	224.8	164.9	133.3	114.4	99.6	89.5	84.8	82.1
107.5°	618.6	460.5	325.9	234.1	181.8	151.2	132.2	117.5	108.2	103.7	101.5
110°	581.5	442.2	323.7	241.6	193.1	163.6	144.0	129.9	121.1	117.1	114.4



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	555.7	430.3	324.3	249.7	204.0	175.4	155.3	141.7	133.5	129.0	126.2
115°	523.7	417.3	327.1	261.8	220.8	191.8	173.7	160.1	152.1	148.1	144.7
117.5°	503.4	411.0	331.9	274.7	236.3	209.5	190.6	177.7	170.6	166.5	163.8
120°	492.7	407.2	335.2	283.4	247.0	220.8	201.9	188.5	182.4	178.4	175.6
122.5°	483.5	405.0	339.0	290.9	257.3	232.6	213.2	199.8	193.1	189.2	187.0
125°	470.5	401.1	344.6	302.9	272.6	248.3	229.5	216.0	207.9	204.0	201.9
127.5°	458.3	398.8	350.4	314.0	286.9	263.3	243.9	231.0	222.1	216.5	213.8
130°	450.3	397.8	354.7	321.1	295.5	271.9	253.0	239.6	230.1	223.4	220.8
132.5°	443.8	397.3	359.0	328.0	303.0	280.5	261.7	247.7	237.7	230.5	227.2
135°	434.8	396.4	364.1	337.2	313.7	292.1	273.3	257.8	247.7	239.6	236.9
137.5°	428.4	396.3	368.7	344.2	322.3	301.0	283.5	268.1	257.4	249.3	246.1
140°	424.7	395.7	370.8	347.9	327.1	306.9	289.4	274.6	263.8	255.7	253.0
142.5°	420.9	395.7	372.5	351.2	330.9	311.3	294.8	280.5	269.8	262.3	260.0
145°	415.9	394.4	374.2	355.3	336.6	318.3	303.5	290.1	280.0	273.3	270.5
147.5°	410.9	392.0	374.8	357.7	341.1	324.0	310.8	299.6	290.3	283.9	281.9
150°	406.5	390.4	374.2	358.7	343.3	327.8	315.6	305.6	296.8	291.4	289.4
152.5°	402.8	387.7	373.2	359.3	345.4	331.6	320.5	310.9	303.2	297.9	297.0
155°	395.7	383.0	371.5	360.1	348.6	337.2	327.1	319.7	312.3	308.2	307.5
157.5°	389.2	378.2	368.4	360.1	350.9	341.2	332.8	326.8	320.4	317.1	316.5
160°	384.4	374.9	366.8	360.1	352.0	343.9	336.6	331.1	325.7	323.0	322.4
162.5°	380.0	372.2	365.2	359.6	352.6	345.5	339.8	334.9	330.6	327.9	328.3
165°	372.9	366.8	362.1	358.1	353.4	347.3	343.3	339.9	335.9	334.5	335.2
167.5°	365.8	362.1	359.0	357.1	353.2	348.8	346.2	343.8	341.2	340.0	340.9
170°	362.1	359.4	357.4	356.0	352.7	349.3	347.3	345.9	343.9	343.3	344.6
172.5°	358.3	356.2	355.2	354.4	352.1	349.8	348.4	347.6	345.5	345.9	346.7
175°	353.4	352.7	352.0	352.7	351.3	350.0	349.3	349.3	347.9	348.6	349.3
177.5°	350.5	350.0	350.5	351.6	350.5	350.0	350.0	350.0	348.9	349.5	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1725.9	1728.5	1736.9	1745.4	1754.9	1757.6	1761.8	1758.1	1757.0	1767.0	1774.4
5°	1730.7	1742.6	1765.7	1786.8	1804.7	1817.1	1830.4	1835.7	1845.6	1859.4	1876.5
7.5°	1725.2	1748.3	1784.6	1815.3	1848.8	1873.0	1891.9	1908.0	1927.5	1953.8	1982.4
10°	1718.8	1749.9	1794.1	1831.7	1872.6	1903.6	1929.3	1954.4	1983.5	2019.7	2057.4
12.5°	1707.3	1744.0	1799.3	1843.8	1896.4	1926.8	1961.5	2015.7	2046.8	2097.3	2150.3
15°	1683.9	1724.8	1802.0	1856.7	1916.2	1974.2	2038.2	2089.6	2141.1	2170.8	2245.4
17.5°	1649.2	1709.3	1794.8	1858.6	1934.1	2025.5	2097.5	2155.8	2215.2	2263.3	2300.7
20°	1621.2	1686.5	1784.2	1860.7	1950.4	2048.7	2131.2	2190.6	2242.1	2282.3	2305.4
22.5°	1585.8	1668.0	1763.1	1852.8	1967.4	2064.6	2151.3	2198.0	2241.0	2260.7	2269.5
25°	1530.2	1629.1	1736.6	1846.2	1975.6	2078.5	2157.7	2186.0	2198.6	2179.4	2147.8
27.5°	1470.1	1580.5	1706.2	1833.8	1970.5	2069.5	2126.2	2121.8	2100.5	2038.6	1989.1
30°	1425.2	1546.6	1681.9	1821.1	1958.3	2054.7	2087.7	2054.7	2006.6	1937.2	1866.6
32.5°	1378.3	1503.9	1656.0	1803.2	1936.2	2020.9	2028.1	1971.3	1896.8	1818.0	1729.9
35°	1307.1	1443.0	1607.3	1763.1	1889.1	1942.5	1910.9	1810.6	1722.2	1614.6	1494.5
37.5°	1226.8	1376.8	1541.6	1704.3	1818.5	1832.5	1753.9	1648.2	1523.5	1397.1	1255.8
40°	1166.6	1325.6	1495.2	1659.5	1760.4	1745.9	1645.6	1529.5	1381.0	1226.6	1095.3
42.5°	1112.8	1271.8	1444.5	1605.6	1686.5	1646.7	1529.5	1387.0	1227.4	1082.0	961.7
45°	1019.4	1183.1	1359.9	1515.6	1561.9	1489.9	1334.8	1176.5	1019.4	898.0	803.1
47.5°	928.9	1090.7	1265.8	1402.7	1419.0	1322.3	1152.9	989.9	854.9	756.0	689.0
50°	862.4	1024.7	1198.3	1320.3	1315.0	1198.3	1024.1	869.0	756.1	676.3	631.5
52.5°	802.7	956.1	1122.7	1233.7	1205.7	1078.4	912.1	774.5	681.7	619.3	578.7
55°	710.0	851.9	1010.2	1099.2	1047.8	906.6	766.0	655.2	586.6	539.8	508.1
57.5°	617.9	750.9	886.4	941.3	884.4	754.1	636.9	556.5	504.9	470.2	449.6
60°	560.9	677.0	797.7	845.2	777.3	661.2	568.8	496.9	455.3	426.9	408.5
62.5°	503.9	607.9	721.7	747.6	685.4	587.3	505.4	445.7	411.5	386.2	368.9
65°	426.3	511.3	597.8	614.9	557.6	481.6	417.0	378.1	347.8	329.2	315.4
67.5°	349.6	417.9	479.1	493.0	442.7	390.1	343.4	309.4	288.9	273.5	261.8
70°	304.2	358.3	408.5	419.7	379.4	332.5	297.0	269.8	251.4	238.2	227.0
72.5°	256.1	301.3	342.9	350.5	317.6	281.9	252.6	231.4	215.0	206.6	195.9
75°	196.0	222.4	254.7	256.7	234.9	213.1	190.7	176.8	168.2	157.7	152.4
77.5°	138.3	159.0	177.5	181.1	168.2	153.3	140.8	129.8	122.6	117.7	112.8
80°	105.6	122.1	130.0	134.6	125.4	114.8	107.5	100.3	95.7	92.4	89.1
82.5°	75.5	85.7	93.1	96.6	91.6	85.2	78.0	73.9	70.3	67.6	66.4
85°	38.2	42.9	47.5	48.8	47.5	44.9	40.9	40.9	38.9	38.2	38.2
87.5°	13.8	16.4	16.6	18.5	17.8	18.5	19.5	19.7	19.4	18.7	18.0
90°	2.7	5.4	6.7	8.1	10.1	13.4	18.2	22.2	22.9	22.2	21.5
92.5°	11.9	16.7	19.6	24.2	30.6	45.8	67.2	86.3	87.5	73.9	58.7
95°	26.3	33.0	39.0	49.8	66.0	96.9	155.5	233.6	263.8	230.8	176.3
97.5°	42.0	49.2	58.3	70.7	88.9	127.9	209.5	339.2	450.4	472.5	411.5
100°	53.8	59.9	70.7	84.1	103.0	138.6	220.8	366.1	531.7	628.6	614.5
102.5°	65.7	71.7	82.5	96.5	115.4	148.4	221.3	355.9	534.4	686.7	747.5
105°	84.8	89.5	99.6	114.4	133.3	164.9	224.8	335.9	498.7	677.8	817.8
107.5°	103.7	108.2	117.5	132.2	151.2	181.8	234.1	325.9	460.5	618.6	767.2
110°	117.1	121.1	129.9	144.0	163.6	193.1	241.6	323.7	442.2	581.5	723.5





TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	129.0	133.5	141.7	155.3	175.4	204.0	249.7	324.3	430.3	555.7	683.7
115°	148.1	152.1	160.1	173.7	191.8	220.8	261.8	327.1	417.3	523.7	634.6
117.5°	166.5	170.6	177.7	190.6	209.5	236.3	274.7	331.9	411.0	503.4	597.8
120°	178.4	182.4	188.5	201.9	220.8	247.0	283.4	335.2	407.2	492.7	579.5
122.5°	189.2	193.1	199.8	213.2	232.6	257.3	290.9	339.0	405.0	483.5	565.0
125°	204.0	207.9	216.0	229.5	248.3	272.6	302.9	344.6	401.1	470.5	543.8
127.5°	216.5	222.1	231.0	243.9	263.3	286.9	314.0	350.4	398.8	458.3	523.0
130°	223.4	230.1	239.6	253.0	271.9	295.5	321.1	354.7	397.8	450.3	509.5
132.5°	230.5	237.7	247.7	261.7	280.5	303.0	328.0	359.0	397.3	443.8	496.5
135°	239.6	247.7	257.8	273.3	292.1	313.7	337.2	364.1	396.4	434.8	478.5
137.5°	249.3	257.4	268.1	283.5	301.0	322.3	344.2	368.7	396.3	428.4	464.2
140°	255.7	263.8	274.6	289.4	306.9	327.1	347.9	370.8	395.7	424.7	455.0
142.5°	262.3	269.8	280.5	294.8	311.3	330.9	351.2	372.5	395.7	420.9	447.5
145°	273.3	280.0	290.1	303.5	318.3	336.6	355.3	374.2	394.4	415.9	436.8
147.5°	283.9	290.3	299.6	310.8	324.0	341.1	357.7	374.8	392.0	410.9	428.6
150°	291.4	296.8	305.6	315.6	327.8	343.3	358.7	374.2	390.4	406.5	422.7
152.5°	297.9	303.2	310.9	320.5	331.6	345.4	359.3	373.2	387.7	402.8	416.7
155°	308.2	312.3	319.7	327.1	337.2	348.6	360.1	371.5	383.0	395.7	408.5
157.5°	317.1	320.4	326.8	332.8	341.2	350.9	360.1	368.4	378.2	389.2	399.0
160°	323.0	325.7	331.1	336.6	343.9	352.0	360.1	366.8	374.9	384.4	393.0
162.5°	327.9	330.6	334.9	339.8	345.5	352.6	359.6	365.2	372.2	380.0	387.1
165°	334.5	335.9	339.9	343.3	347.3	353.4	358.1	362.1	366.8	372.9	378.2
167.5°	340.0	341.2	343.8	346.2	348.8	353.2	357.1	359.0	362.1	365.8	369.8
170°	343.3	343.9	345.9	347.3	349.3	352.7	356.0	357.4	359.4	362.1	365.5
172.5°	345.9	345.5	347.6	348.4	349.8	352.1	354.4	355.2	356.2	358.3	360.6
175°	348.6	347.9	349.3	349.3	350.0	351.3	352.7	352.0	352.7	353.4	355.3
177.5°	349.5	348.9	350.0	350.0	350.0	350.5	351.6	350.5	350.0	350.5	351.6
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1780.7	1788.1	1788.1	1789.2	1797.6	1796.6	1796.0
5°	1895.1	1906.3	1907.5	1919.4	1927.3	1924.7	1917.4
7.5°	2002.9	2023.7	2039.5	2048.4	2058.8	2065.3	2062.4
10°	2088.4	2118.7	2137.2	2149.7	2164.9	2176.1	2172.1
12.5°	2165.9	2202.1	2227.5	2248.9	2250.9	2265.3	2255.6
15°	2287.0	2325.2	2329.2	2345.0	2357.6	2356.2	2356.9
17.5°	2326.9	2339.3	2341.7	2342.1	2342.3	2337.6	2327.6
20°	2312.7	2308.1	2296.9	2288.3	2273.1	2271.1	2258.0
22.5°	2245.1	2230.5	2202.4	2183.8	2160.2	2154.0	2150.3
25°	2112.1	2079.7	2034.9	1992.0	1980.1	1957.1	1963.7
27.5°	1929.6	1879.2	1830.7	1795.8	1764.3	1729.7	1739.6
30°	1801.3	1744.6	1675.9	1623.2	1589.5	1556.5	1550.6
32.5°	1648.2	1565.1	1488.6	1442.1	1390.5	1369.7	1346.9
35°	1384.3	1303.1	1227.3	1161.9	1124.4	1095.3	1068.9
37.5°	1146.9	1053.5	992.2	939.4	912.1	895.5	899.7
40°	999.6	917.8	873.0	832.7	807.6	795.7	798.4
42.5°	880.4	819.1	782.1	754.6	736.9	730.3	728.8
45°	744.9	710.7	680.3	664.4	655.9	648.6	644.0
47.5°	652.6	624.6	607.4	598.1	590.6	583.2	583.0
50°	597.1	578.7	566.8	556.9	551.0	545.7	550.3
52.5°	554.9	538.0	526.2	517.3	515.1	510.3	510.1
55°	492.2	479.1	470.5	462.5	458.6	455.9	452.6
57.5°	435.2	422.7	414.7	409.7	402.3	399.6	398.6
60°	394.6	384.7	376.8	370.1	366.9	361.6	361.6
62.5°	357.1	347.2	339.8	334.8	329.4	327.3	327.8
65°	302.9	295.0	287.7	282.4	281.1	277.2	278.4
67.5°	253.0	247.7	240.0	237.1	234.6	232.6	230.9
70°	219.7	214.5	210.5	206.6	204.6	204.6	204.6
72.5°	191.7	185.4	183.0	178.1	179.2	177.1	175.0
75°	148.4	144.5	142.5	140.5	137.2	137.2	137.2
77.5°	109.3	108.1	105.7	103.6	102.8	102.1	102.4
80°	84.5	83.8	82.5	82.5	81.2	80.5	79.2
82.5°	64.9	63.2	62.4	61.9	61.6	61.5	61.2
85°	36.9	35.6	35.6	36.2	35.0	35.0	35.6
87.5°	18.3	18.6	18.2	18.2	18.7	18.2	18.2
90°	20.2	21.5	22.2	22.2	22.2	22.2	22.2
92.5°	50.4	44.7	40.6	40.0	37.8	38.4	37.3
95°	135.3	107.0	92.2	83.4	78.1	76.0	76.7
97.5°	336.7	263.8	215.2	183.0	166.5	156.7	151.0
100°	531.1	438.9	357.4	301.5	272.6	253.0	240.9
102.5°	728.7	661.2	574.9	514.2	464.8	440.4	424.0
105°	893.8	902.6	880.4	838.6	796.9	767.9	758.5
107.5°	881.7	951.7	984.3	989.5	987.2	981.5	968.9
110°	844.0	930.1	985.3	1014.3	1027.1	1033.1	1032.4



TEST NUMBER: P331440-935

CATALOG NUMBER: SA2XXDIP-C1005D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	799.3	891.4	954.7	994.9	1016.3	1027.8	1031.4
115°	738.3	826.5	895.8	943.6	974.6	992.0	998.2
117.5°	688.8	768.8	833.8	882.5	915.2	933.7	938.7
120°	663.0	734.3	795.6	842.7	874.3	893.8	900.5
122.5°	641.4	708.9	764.3	806.6	837.7	855.1	860.7
125°	613.1	672.4	722.8	761.9	787.5	804.3	809.7
127.5°	585.7	641.5	688.1	722.2	746.1	760.7	765.0
130°	567.4	620.5	665.0	697.9	720.8	734.3	739.7
132.5°	550.2	599.0	640.8	673.2	696.0	708.4	713.3
135°	523.0	567.4	605.0	634.0	656.3	668.3	671.1
137.5°	501.3	536.6	569.4	595.8	614.9	625.5	629.6
140°	487.3	518.2	547.9	569.4	586.9	597.0	601.1
142.5°	474.9	501.5	526.3	546.8	562.7	571.7	572.5
145°	459.0	479.9	499.4	515.6	527.0	533.7	535.7
147.5°	446.1	462.4	476.6	490.0	499.1	503.7	504.9
150°	437.5	451.6	463.7	473.8	481.9	485.9	486.6
152.5°	430.5	442.5	453.0	460.9	467.9	470.9	471.0
155°	419.3	429.4	436.8	444.2	448.9	451.6	450.3
157.5°	408.0	416.5	422.2	427.5	431.4	432.7	432.7
160°	400.5	407.9	412.6	417.3	420.7	421.3	421.3
162.5°	393.5	399.8	403.5	408.1	410.4	411.1	410.5
165°	383.0	387.7	390.4	393.0	395.7	395.7	395.1
167.5°	373.4	376.6	379.1	380.3	381.8	381.6	380.8
170°	367.5	370.1	371.5	372.2	374.2	373.5	372.2
172.5°	362.1	364.3	365.1	365.8	366.7	366.0	365.2
175°	356.0	356.7	357.4	357.4	358.1	357.4	356.0
177.5°	351.6	352.1	352.1	352.1	352.1	351.6	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0

(END OF REPORT)