

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: P331449-930

Luminaire Tested: **SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331449-930
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-C1005D925U930-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

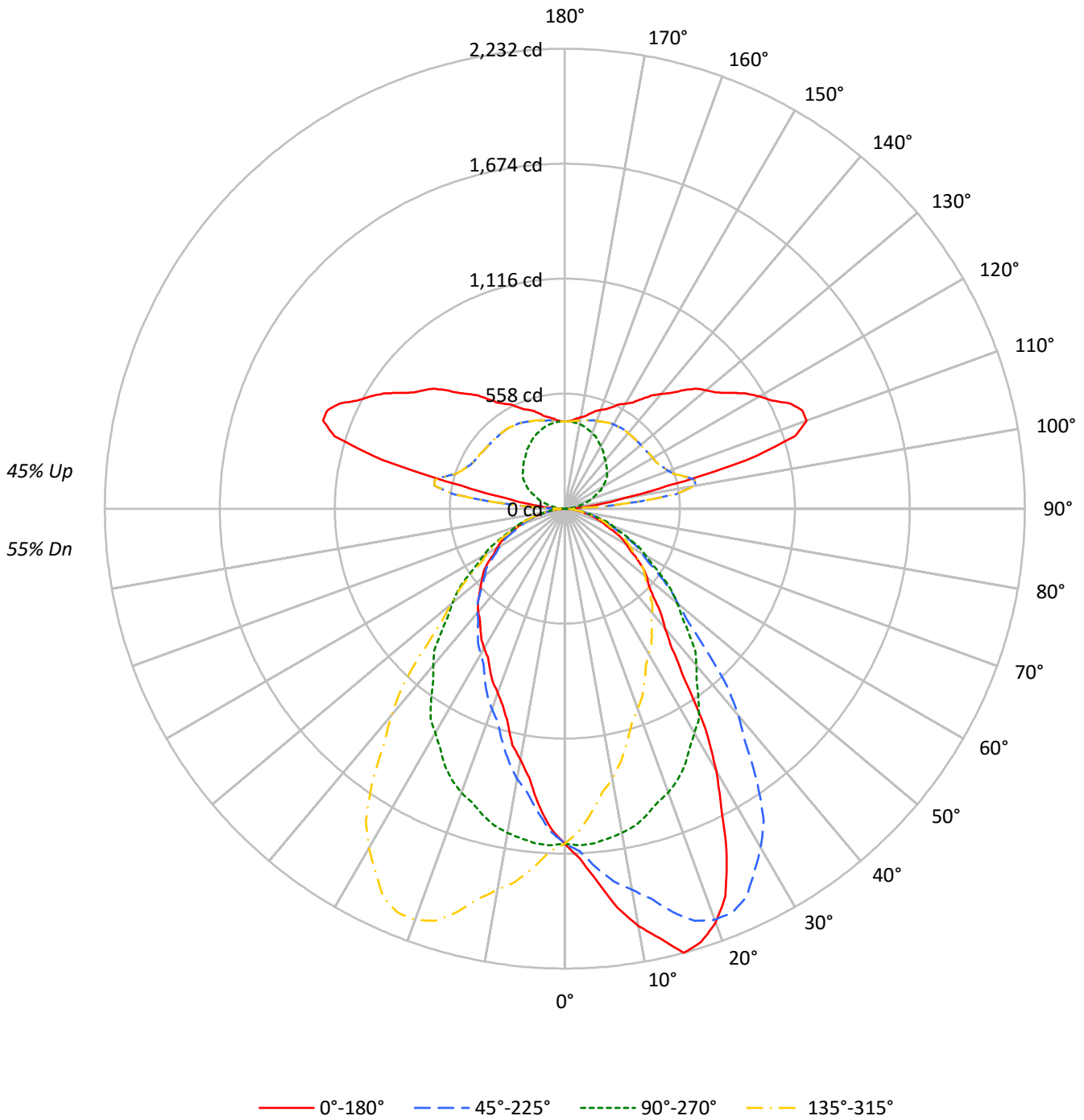
Lumens per Lamp: N/A
Luminaire Lumens: 6534.9 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52	47
2	91	84	78	73	84	78	73	69	67	64	60	58	55	52	49	47	45	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	39	35
4	77	66	58	52	71	62	55	50	54	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	43	39	42	37	34	36	32	30	27
6	65	53	45	40	60	50	43	38	44	38	34	38	34	30	33	29	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21
8	56	44	36	31	52	41	35	30	37	31	27	32	27	24	28	24	22	19
9	52	40	33	28	49	38	31	27	34	28	24	29	25	22	26	22	20	17
10	49	37	30	25	46	35	29	24	31	26	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26248	26248	26248	26248
5°	29428	26420	23412	26420
10°	33721	26202	20261	26202
15°	37305	25723	17901	25723
20°	36737	25206	16318	25206
25°	33127	24522	15316	24522
30°	27374	23426	14585	23426
35°	19951	22277	14063	22277
40°	15934	20925	13774	20925
45°	13924	19358	13381	19358
50°	13089	17844	13122	17844
55°	12065	16304	12769	16304
60°	11057	14667	12226	14667
65°	10074	13200	11694	13200
70°	9144	11769	10914	11769
75°	8110	10175	9669	10175
80°	6974	8424	7782	8424
85°	6262	6262	4631	6262



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	2.4
10°-20°	450.1	6.9
20°-30°	653.3	10.0
30°-40°	689.3	10.5
40°-50°	610.4	9.3
50°-60°	487.1	7.5
60°-70°	331.1	5.1
70°-80°	169.7	2.6
80°-90°	44.7	0.7
90°-100°	169.2	2.6
100°-110°	574.1	8.8
110°-120°	609.9	9.3
120°-130°	502.1	7.7
130°-140°	403.2	6.2
140°-150°	304.7	4.7
150°-160°	214.1	3.3
160°-170°	126.0	1.9
170°-180°	41.0	0.6
0°-30°	1258.2	19.3
0°-40°	1947.5	29.8
0°-60°	3045.0	46.6
0°-90°	3590.5	54.9
90°-120°	1353.2	20.7
90°-150°	2563.1	39.2
90°-180°	2944.0	45.1
0°-180°	6534.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1626	1626	1626	1626	1626	
5°	1816	1630	1444	1630	1816	181
15°	2232	1539	1071	1539	2232	616
25°	1860	1376	860	1376	1860	840
35°	1012	1130	714	1130	1012	658
45°	610	848	586	848	610	480
55°	429	579	454	579	429	384
65°	264	346	306	346	264	262
75°	130	163	155	163	130	139
85°	34	34	25	34	34	38
90°	27	1	27	1	27	16
95°	93	28	93	28	93	121
105°	917	99	917	99	917	887
115°	1207	175	1207	175	1207	1182
125°	979	244	979	244	979	885
135°	811	286	811	286	811	630
145°	648	327	648	327	648	411
155°	544	372	544	372	544	254
165°	478	405	478	405	478	137
175°	430	422	430	422	430	42
180°	423	423	423	423	423	



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1700.7	1701.2	1702.2	1694.2	1693.2	1693.2	1686.2	1680.3	1673.2	1663.7	1664.8
5°	1815.7	1822.5	1825.0	1817.5	1806.3	1805.1	1794.5	1776.9	1760.7	1747.6	1738.2
7.5°	1952.9	1955.7	1949.5	1939.7	1931.3	1916.3	1896.5	1877.1	1850.1	1825.2	1806.7
10°	2056.8	2060.6	2050.0	2035.6	2023.7	2006.3	1977.5	1948.2	1912.5	1878.2	1850.6
12.5°	2135.8	2145.1	2131.4	2129.6	2109.3	2085.2	2051.0	2036.1	1986.0	1938.1	1908.7
15°	2231.8	2231.1	2232.5	2220.5	2205.5	2201.8	2165.6	2126.2	2055.6	2027.5	1978.7
17.5°	2204.1	2213.5	2217.9	2217.8	2217.5	2215.1	2203.4	2178.6	2143.2	2097.6	2041.3
20°	2138.1	2150.6	2152.5	2166.8	2175.0	2185.6	2190.0	2183.0	2161.2	2123.1	2074.4
22.5°	2036.1	2039.6	2045.5	2067.8	2085.5	2112.1	2126.0	2149.0	2140.7	2122.1	2081.4
25°	1859.5	1853.2	1875.0	1886.3	1926.9	1969.4	2000.0	2033.8	2063.8	2081.9	2070.0
27.5°	1647.2	1637.9	1670.6	1700.5	1733.5	1779.5	1827.2	1883.5	1930.4	1989.0	2009.1
30°	1468.3	1473.9	1505.1	1537.0	1587.0	1652.0	1705.7	1767.6	1834.4	1900.1	1945.6
32.5°	1275.4	1297.0	1316.7	1365.5	1409.6	1482.1	1560.7	1638.1	1721.5	1796.1	1866.7
35°	1012.2	1037.1	1064.7	1100.2	1162.1	1234.0	1310.8	1415.2	1528.9	1630.8	1714.5
37.5°	852.0	848.0	863.7	889.5	939.6	997.6	1086.1	1189.1	1323.0	1442.7	1560.7
40°	756.0	753.5	764.8	788.5	826.6	869.1	946.6	1037.1	1161.5	1307.7	1448.3
42.5°	690.1	691.5	697.8	714.5	740.6	775.6	833.6	910.7	1024.6	1162.3	1313.4
45°	609.8	614.2	621.1	629.2	644.2	672.9	705.4	760.4	850.4	965.3	1114.0
47.5°	552.0	552.2	559.2	566.3	575.2	591.4	617.9	652.4	715.9	809.5	937.3
50°	521.1	516.7	521.7	527.3	536.7	548.0	565.4	597.9	640.4	716.0	822.9
52.5°	483.1	483.2	487.7	489.8	498.2	509.5	525.5	548.0	586.4	645.6	733.4
55°	428.6	431.7	434.2	438.0	445.5	453.6	466.1	481.1	511.1	555.5	620.4
57.5°	377.4	378.4	380.9	388.0	392.7	400.2	412.1	425.7	445.2	478.1	526.9
60°	342.4	342.4	347.4	350.5	356.8	364.3	373.7	386.8	404.2	431.1	470.5
62.5°	310.4	309.9	311.9	317.0	321.8	328.8	338.1	349.3	365.7	389.6	422.0
65°	263.7	262.4	266.2	267.4	272.4	279.3	286.8	298.6	311.8	329.3	358.0
67.5°	218.7	220.2	222.2	224.5	227.3	234.6	239.5	247.9	259.0	273.5	293.0
70°	193.7	193.7	193.7	195.6	199.3	203.1	208.1	214.9	225.6	238.1	255.5
72.5°	165.7	167.7	169.7	168.6	173.3	175.5	181.6	185.5	195.6	203.6	219.1
75°	130.0	130.0	130.0	133.1	134.9	136.8	140.6	144.3	149.4	159.3	167.5
77.5°	96.9	96.7	97.3	98.1	100.1	102.3	103.5	106.8	111.5	116.1	122.9
80°	75.0	76.2	76.9	78.1	78.1	79.3	80.0	84.4	87.5	90.6	95.0
82.5°	58.0	58.2	58.4	58.6	59.1	59.8	61.5	62.9	64.0	66.6	70.0
85°	33.8	33.1	33.1	34.3	33.8	33.8	35.0	36.2	36.2	36.9	38.7
87.5°	18.3	18.3	18.8	18.3	18.3	18.7	18.3	18.2	18.8	19.6	19.9
90°	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0	26.8	27.6	26.8
92.5°	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9	89.4	105.7	104.3
95°	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2	279.1	318.9	282.3
97.5°	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5	571.2	544.5	410.1
100°	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9	760.0	642.8	442.6
102.5°	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7	830.3	646.0	430.3
105°	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6	819.4	602.9	406.0
107.5°	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5	748.0	556.8	394.0
110°	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7	703.0	534.6	391.4



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6	671.8	520.2	392.0
115°	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3	633.1	504.5	395.4
117.5°	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7	608.6	496.8	401.3
120°	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6	595.7	492.3	405.2
122.5°	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0	584.6	489.7	409.8
125°	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5	568.8	484.9	416.6
127.5°	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3	554.2	482.2	423.6
130°	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0	544.4	480.9	428.8
132.5°	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3	536.5	480.2	434.0
135°	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5	525.6	479.2	440.2
137.5°	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1	518.0	479.1	445.7
140°	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1	513.5	478.4	448.3
142.5°	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0	508.9	478.4	450.3
145°	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1	502.9	476.8	452.4
147.5°	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1	496.7	473.9	453.1
150°	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0	491.5	472.0	452.4
152.5°	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9	486.9	468.7	451.1
155°	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9	478.4	463.0	449.1
157.5°	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3	470.5	457.1	445.4
160°	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2	464.6	453.2	443.4
162.5°	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1	459.4	450.0	441.5
165°	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3	450.8	443.4	437.7
167.5°	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0	442.3	437.7	434.0
170°	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8	437.7	434.5	432.1
172.5°	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9	433.3	430.6	429.5
175°	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7	427.2	426.4	425.6
177.5°	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1	423.8	423.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1668.3	1664.3	1661.7	1652.8	1644.7	1636.7	1634.3	1635.2	1624.2	1613.7	1609.2
5°	1733.2	1720.7	1708.9	1692.0	1672.0	1650.1	1638.8	1630.1	1608.3	1584.5	1570.8
7.5°	1791.5	1773.6	1750.7	1719.0	1689.9	1655.5	1633.6	1614.2	1582.3	1548.7	1528.3
10°	1826.9	1802.5	1773.2	1734.5	1698.8	1657.0	1627.6	1598.2	1560.7	1520.8	1495.7
12.5°	1857.4	1824.6	1795.7	1746.0	1703.8	1651.5	1616.7	1575.2	1535.8	1488.2	1463.8
15°	1930.1	1869.4	1814.4	1758.2	1706.3	1633.2	1594.5	1538.9	1487.0	1428.3	1400.2
17.5°	1986.2	1918.0	1831.4	1760.0	1699.5	1618.5	1561.6	1495.0	1433.7	1366.6	1328.4
20°	2018.1	1940.0	1846.9	1761.9	1689.5	1597.0	1535.1	1467.0	1395.2	1319.6	1278.4
22.5°	2037.1	1955.0	1863.0	1754.4	1669.5	1579.5	1501.6	1427.0	1354.2	1272.6	1229.4
25°	2043.1	1968.1	1870.7	1748.2	1644.5	1542.6	1448.9	1376.5	1288.3	1212.1	1149.0
27.5°	2013.4	1959.7	1865.9	1736.4	1615.6	1496.6	1392.0	1309.9	1217.0	1134.2	1070.8
30°	1976.9	1945.6	1854.4	1724.4	1592.6	1464.5	1349.6	1256.5	1164.0	1080.3	1015.3
32.5°	1920.4	1913.7	1833.4	1707.5	1568.1	1424.1	1305.1	1211.0	1108.6	1026.3	964.3
35°	1809.5	1839.4	1788.8	1669.5	1522.0	1366.4	1237.7	1130.2	1024.1	945.3	887.2
37.5°	1660.8	1735.2	1722.0	1613.9	1459.8	1303.7	1161.6	1049.3	948.1	868.6	811.6
40°	1558.3	1653.3	1667.0	1571.4	1415.8	1255.2	1104.6	992.8	894.1	821.7	764.1
42.5°	1448.3	1559.3	1597.0	1520.4	1367.8	1204.3	1053.7	937.8	840.1	769.6	718.7
45°	1264.0	1410.8	1479.0	1435.2	1287.8	1120.3	965.3	847.8	759.1	692.9	653.5
47.5°	1091.7	1252.1	1343.7	1328.2	1198.7	1032.8	879.6	766.9	680.5	627.7	592.5
50°	969.7	1134.7	1245.2	1250.3	1134.7	970.3	816.6	710.4	631.0	581.7	552.9
52.5°	863.7	1021.2	1141.7	1168.2	1063.2	905.3	760.1	654.4	584.6	539.2	513.5
55°	725.4	858.5	992.2	1040.9	956.6	806.7	672.3	579.2	513.6	482.3	459.8
57.5°	603.1	714.0	837.5	891.4	839.4	711.0	585.1	504.2	451.0	423.6	406.3
60°	538.6	626.1	736.1	800.4	755.4	641.1	531.1	454.2	410.5	386.1	369.9
62.5°	478.6	556.1	649.1	707.9	683.4	575.6	477.1	409.3	371.5	348.6	336.9
65°	394.8	456.1	528.0	582.3	566.1	484.2	403.7	345.5	315.5	297.4	288.0
67.5°	325.1	369.4	419.2	466.8	453.7	395.7	331.0	285.8	263.4	247.8	242.1
70°	281.2	314.9	359.3	397.4	386.8	339.2	288.0	249.3	229.9	216.8	211.2
72.5°	239.2	266.9	300.8	331.9	324.7	285.3	242.6	213.3	198.4	186.3	181.7
75°	180.6	201.8	222.4	243.0	241.2	210.6	185.6	163.1	151.2	141.9	140.0
77.5°	133.3	145.2	159.2	171.5	168.0	150.6	130.9	118.1	109.3	103.1	102.1
80°	101.8	108.7	118.7	127.4	123.1	115.6	100.0	90.6	84.4	78.1	75.6
82.5°	73.9	80.7	86.7	91.5	88.1	81.1	71.5	65.1	61.4	57.1	56.1
85°	38.7	42.5	45.0	46.2	45.0	40.6	36.2	33.8	30.7	28.8	28.1
87.5°	19.4	18.3	17.4	17.9	16.1	15.8	13.1	11.2	11.2	11.3	10.6
90°	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8	3.3	6.5	8.2
92.5°	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9	14.3	20.2	23.7
95°	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5	31.7	39.9	47.2
97.5°	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4	50.8	59.4	70.4
100°	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6	65.1	72.4	85.4
102.5°	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6	79.4	86.7	99.8
105°	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3	102.6	108.2	120.4
107.5°	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7	125.3	130.9	142.1
110°	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4	141.6	146.4	157.0



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6	155.9	161.4	171.4
115°	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0	179.0	183.9	193.6
117.5°	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0	201.3	206.2	214.8
120°	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4	215.6	220.5	227.8
122.5°	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1	228.6	233.5	241.5
125°	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1	246.5	251.4	261.2
127.5°	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4	261.7	268.5	279.2
130°	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9	270.1	278.3	289.7
132.5°	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7	278.6	287.4	299.5
135°	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4	289.7	299.5	311.6
137.5°	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5	301.4	311.1	324.2
140°	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0	309.2	318.9	332.0
142.5°	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4	317.0	326.1	339.2
145°	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1	330.4	338.5	350.7
147.5°	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8	343.2	351.0	362.2
150°	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9	352.3	358.8	369.4
152.5°	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0	360.1	366.6	375.9
155°	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9	372.7	377.6	386.5
157.5°	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6	383.4	387.3	395.1
160°	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8	390.6	393.8	400.3
162.5°	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9	396.4	399.7	404.9
165°	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2	404.4	406.0	410.9
167.5°	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1	411.1	412.5	415.6
170°	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6	415.0	415.8	418.2
172.5°	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2	418.2	417.8	420.2
175°	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3	421.5	420.7	422.3
177.5°	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8	422.5	421.8	423.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1604.3	1601.2	1590.7	1585.3	1576.3	1567.7	1562.3	1564.8	1566.8	1565.8	1564.2
5°	1558.3	1546.4	1528.3	1512.6	1501.4	1480.8	1472.0	1467.7	1464.0	1459.5	1455.1
7.5°	1503.5	1484.8	1458.8	1436.6	1415.5	1389.9	1375.3	1366.6	1357.6	1347.7	1339.0
10°	1464.5	1438.3	1410.8	1379.6	1354.6	1331.5	1310.8	1297.1	1284.6	1272.8	1264.0
12.5°	1423.6	1393.3	1359.3	1316.6	1289.1	1256.0	1252.9	1228.7	1209.1	1201.8	1191.5
15°	1358.3	1315.8	1272.8	1222.1	1200.3	1170.3	1151.5	1132.8	1115.9	1104.0	1100.9
17.5°	1284.3	1229.2	1186.3	1150.0	1114.2	1083.5	1066.2	1051.2	1037.3	1021.4	1019.3
20°	1227.8	1180.2	1133.4	1101.6	1064.7	1033.4	1012.2	997.2	985.3	975.9	967.8
22.5°	1174.3	1122.3	1079.4	1044.6	1008.2	982.9	966.2	951.7	941.8	931.5	923.8
25°	1088.4	1047.8	1000.9	961.6	931.6	915.3	901.6	889.1	882.9	876.0	867.2
27.5°	1013.3	968.2	924.3	893.8	867.5	853.1	843.3	834.9	829.0	825.0	820.0
30°	960.3	914.7	880.4	850.4	828.5	814.2	807.9	802.9	796.0	793.5	791.0
32.5°	909.3	868.2	838.9	812.9	792.0	782.6	776.9	772.4	767.0	764.5	759.5
35°	837.2	802.9	774.1	759.8	742.9	734.7	730.4	724.1	719.2	716.6	716.0
37.5°	769.4	739.6	720.6	702.1	695.0	690.1	684.0	679.8	678.3	677.9	677.3
40°	725.4	701.0	684.2	669.2	666.0	658.5	653.5	649.8	649.8	650.4	649.8
42.5°	685.4	663.6	648.7	635.7	632.0	627.5	622.6	622.3	623.3	625.4	623.3
45°	624.8	609.2	598.6	592.3	585.5	581.1	580.4	582.3	582.9	583.6	585.5
47.5°	569.1	558.7	549.1	542.2	539.2	538.4	537.7	541.0	544.0	545.1	548.0
50°	536.1	524.2	516.1	511.7	509.2	507.9	509.2	513.0	515.4	518.6	520.5
52.5°	499.1	490.7	485.1	481.8	480.7	481.5	481.8	486.0	490.0	491.1	492.0
55°	448.0	441.7	440.5	434.9	437.3	436.8	439.9	442.4	446.1	449.9	450.5
57.5°	397.0	392.0	388.7	389.1	389.9	392.6	395.3	399.7	403.7	407.6	408.0
60°	363.1	360.5	358.7	358.7	359.9	363.6	366.7	371.1	373.7	376.1	378.0
62.5°	332.0	329.5	327.7	328.6	331.9	334.1	337.8	340.1	342.7	345.1	346.0
65°	283.1	281.8	283.6	284.9	285.5	288.7	293.0	294.9	297.4	298.6	303.0
67.5°	237.9	238.1	237.9	239.7	243.3	244.0	248.2	252.6	253.1	255.4	258.3
70°	207.4	208.7	209.9	211.2	214.3	215.6	218.7	220.5	223.1	224.9	226.8
72.5°	179.4	179.7	180.9	180.7	183.3	186.1	188.7	190.5	193.1	195.4	197.3
75°	138.1	138.1	139.3	140.0	143.1	146.2	145.6	146.8	149.4	151.8	153.1
77.5°	100.9	99.5	100.9	101.5	102.5	105.1	105.6	107.4	110.2	109.3	110.7
80°	76.9	75.0	76.9	77.5	77.5	80.6	80.6	81.9	83.7	81.9	83.7
82.5°	54.9	54.0	55.4	55.5	56.5	56.6	57.6	57.9	59.8	58.9	59.8
85°	27.5	26.9	27.5	26.9	27.5	28.1	28.1	27.5	27.5	28.8	26.9
87.5°	10.4	10.4	10.8	11.9	12.4	12.1	11.3	11.2	10.8	10.2	10.4
90°	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0	24.4	26.0	26.8
92.5°	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9	60.9	54.1	49.0
95°	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2	163.5	129.4	111.5
97.5°	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5	407.0	318.9	260.2
100°	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9	642.0	530.5	432.1
102.5°	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7	880.9	799.4	695.0
105°	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6	1080.6	1091.2	1064.3
107.5°	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5	1065.9	1150.6	1189.9
110°	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7	1020.3	1124.5	1191.2



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6	966.4	1077.7	1154.1
115°	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3	892.6	999.2	1083.0
117.5°	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7	832.7	929.4	1008.0
120°	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6	801.5	887.7	961.8
122.5°	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0	775.4	857.1	924.1
125°	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5	741.3	812.9	873.9
127.5°	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3	708.1	775.6	831.9
130°	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0	685.9	750.2	804.0
132.5°	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3	665.1	724.1	774.6
135°	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5	632.3	685.9	731.5
137.5°	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1	606.0	648.7	688.4
140°	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1	589.1	626.6	662.3
142.5°	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0	574.1	606.3	636.3
145°	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1	555.0	580.2	603.7
147.5°	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1	539.3	559.0	576.3
150°	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0	528.9	546.0	560.6
152.5°	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9	520.4	534.9	547.6
155°	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9	507.0	519.1	528.1
157.5°	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3	493.3	503.5	510.5
160°	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2	484.1	493.1	498.8
162.5°	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1	475.6	483.3	487.7
165°	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3	463.0	468.7	472.0
167.5°	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0	451.4	455.3	458.3
170°	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8	444.3	447.5	449.1
172.5°	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9	437.7	440.3	441.3
175°	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7	430.5	431.3	432.1
177.5°	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1	425.1	425.7	425.7
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331449-930
 CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1559.3	1558.3	1558.3	1553.8	1558.3	1558.3	1559.3	1564.2	1565.8	1566.8	1564.8
5°	1446.4	1444.5	1441.4	1444.5	1441.4	1444.5	1446.4	1455.1	1459.5	1464.0	1467.7
7.5°	1334.8	1327.3	1326.2	1318.8	1326.2	1327.3	1334.8	1339.0	1347.7	1357.6	1366.6
10°	1253.4	1248.4	1247.7	1235.8	1247.7	1248.4	1253.4	1264.0	1272.8	1284.6	1297.1
12.5°	1191.4	1179.4	1181.8	1174.8	1181.8	1179.4	1191.4	1191.5	1201.8	1209.1	1228.7
15°	1084.0	1084.0	1081.6	1070.9	1081.6	1084.0	1084.0	1100.9	1104.0	1115.9	1132.8
17.5°	1007.0	1005.7	999.7	1002.7	999.7	1005.7	1007.0	1019.3	1021.4	1037.3	1051.2
20°	960.9	957.2	949.7	949.7	949.7	957.2	960.9	967.8	975.9	985.3	997.2
22.5°	917.5	917.2	909.2	911.7	909.2	917.2	917.5	923.8	931.5	941.8	951.7
25°	866.6	861.6	857.9	859.7	857.9	861.6	866.6	867.2	876.0	882.9	889.1
27.5°	818.4	815.6	815.4	810.2	815.4	815.6	818.4	820.0	825.0	829.0	834.9
30°	790.4	784.2	785.4	782.3	785.4	784.2	790.4	791.0	793.5	796.0	802.9
32.5°	758.4	756.1	754.9	752.3	754.9	756.1	758.4	759.5	764.5	767.0	772.4
35°	714.8	715.4	712.2	713.5	712.2	715.4	714.8	716.0	716.6	719.2	724.1
37.5°	676.7	678.7	677.2	677.5	677.2	678.7	676.7	677.3	677.9	678.3	679.8
40°	651.7	651.7	651.7	653.5	651.7	651.7	651.7	649.8	650.4	649.8	649.8
42.5°	627.7	626.7	625.7	625.6	625.7	626.7	627.7	623.3	625.4	623.3	622.3
45°	586.7	588.6	589.2	586.0	589.2	588.6	586.7	585.5	583.6	582.9	582.3
47.5°	549.6	549.8	549.6	552.4	549.6	549.8	549.6	548.0	545.1	544.0	541.0
50°	523.6	522.4	523.6	522.4	523.6	522.4	523.6	520.5	518.6	515.4	513.0
52.5°	496.1	496.4	495.6	495.4	495.6	496.4	496.1	492.0	491.1	490.0	486.0
55°	453.0	454.2	453.6	453.6	453.6	454.2	453.0	450.5	449.9	446.1	442.4
57.5°	408.4	409.5	410.3	407.6	410.3	409.5	408.4	408.0	407.6	403.7	399.7
60°	377.4	380.5	379.8	378.6	379.8	380.5	377.4	378.0	376.1	373.7	371.1
62.5°	348.9	350.0	349.9	349.7	349.9	350.0	348.9	346.0	345.1	342.7	340.1
65°	304.9	306.1	304.3	306.1	304.3	306.1	304.9	303.0	298.6	297.4	294.9
67.5°	257.6	258.0	259.3	260.2	259.3	258.0	257.6	258.3	255.4	253.1	252.6
70°	228.0	227.5	229.3	231.2	229.3	227.5	228.0	226.8	224.9	223.1	220.5
72.5°	197.1	198.4	197.8	199.2	197.8	198.4	197.1	197.3	195.4	193.1	190.5
75°	151.8	153.7	153.1	155.0	153.1	153.7	151.8	153.1	151.8	149.4	146.8
77.5°	109.7	110.0	109.7	110.7	109.7	110.0	109.7	110.7	109.3	110.2	107.4
80°	83.7	82.5	81.2	83.7	81.2	82.5	83.7	83.7	81.9	83.7	81.9
82.5°	58.2	58.9	57.7	57.7	57.7	58.9	58.2	59.8	58.9	59.8	57.9
85°	26.9	26.3	25.0	25.0	25.0	26.3	26.9	26.9	28.8	27.5	27.5
87.5°	10.4	9.9	9.9	9.4	9.9	9.9	10.4	10.4	10.2	10.8	11.2
90°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0
92.5°	48.3	45.7	46.4	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9
95°	100.9	94.4	92.0	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2
97.5°	221.4	201.3	189.4	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5
100°	364.5	329.5	306.0	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9
102.5°	621.7	561.9	532.5	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7
105°	1013.8	963.4	928.4	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6
107.5°	1196.3	1193.5	1186.5	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5
110°	1226.2	1241.7	1249.0	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1202.8	1228.7	1242.5	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6
115°	1140.8	1178.2	1199.4	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3
117.5°	1066.9	1106.4	1128.8	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7
120°	1018.7	1057.0	1080.6	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6
122.5°	975.1	1012.7	1033.7	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0
125°	921.1	952.0	972.3	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5
127.5°	873.1	902.0	919.7	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3
130°	843.8	871.5	887.7	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0
132.5°	813.8	841.6	856.5	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3
135°	766.5	793.4	808.0	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5
137.5°	720.3	743.4	756.3	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1
140°	688.4	709.6	721.8	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1
142.5°	661.0	680.3	691.1	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0
145°	623.3	637.2	645.2	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1
147.5°	592.4	603.4	608.9	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1
150°	572.8	582.6	587.5	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0
152.5°	557.2	565.7	569.2	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9
155°	537.0	542.7	546.0	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9
157.5°	516.8	521.5	523.0	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3
160°	504.5	508.6	509.4	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2
162.5°	493.4	496.2	497.0	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1
165°	475.2	478.4	478.4	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3
167.5°	459.7	461.5	461.4	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0
170°	450.0	452.4	451.6	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8
172.5°	442.1	443.3	442.5	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9
175°	432.1	432.9	432.1	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7
177.5°	425.7	425.7	425.1	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1562.3	1567.7	1576.3	1585.3	1590.7	1601.2	1604.3	1609.2	1613.7	1624.2	1635.2
5°	1472.0	1480.8	1501.4	1512.6	1528.3	1546.4	1558.3	1570.8	1584.5	1608.3	1630.1
7.5°	1375.3	1389.9	1415.5	1436.6	1458.8	1484.8	1503.5	1528.3	1548.7	1582.3	1614.2
10°	1310.8	1331.5	1354.6	1379.6	1410.8	1438.3	1464.5	1495.7	1520.8	1560.7	1598.2
12.5°	1252.9	1256.0	1289.1	1316.6	1359.3	1393.3	1423.6	1463.8	1488.2	1535.8	1575.2
15°	1151.5	1170.3	1200.3	1222.1	1272.8	1315.8	1358.3	1400.2	1428.3	1487.0	1538.9
17.5°	1066.2	1083.5	1114.2	1150.0	1186.3	1229.2	1284.3	1328.4	1366.6	1433.7	1495.0
20°	1012.2	1033.4	1064.7	1101.6	1133.4	1180.2	1227.8	1278.4	1319.6	1395.2	1467.0
22.5°	966.2	982.9	1008.2	1044.6	1079.4	1122.3	1174.3	1229.4	1272.6	1354.2	1427.0
25°	901.6	915.3	931.6	961.6	1000.9	1047.8	1088.4	1149.0	1212.1	1288.3	1376.5
27.5°	843.3	853.1	867.5	893.8	924.3	968.2	1013.3	1070.8	1134.2	1217.0	1309.9
30°	807.9	814.2	828.5	850.4	880.4	914.7	960.3	1015.3	1080.3	1164.0	1256.5
32.5°	776.9	782.6	792.0	812.9	838.9	868.2	909.3	964.3	1026.3	1108.6	1211.0
35°	730.4	734.7	742.9	759.8	774.1	802.9	837.2	887.2	945.3	1024.1	1130.2
37.5°	684.0	690.1	695.0	702.1	720.6	739.6	769.4	811.6	868.6	948.1	1049.3
40°	653.5	658.5	666.0	669.2	684.2	701.0	725.4	764.1	821.7	894.1	992.8
42.5°	622.6	627.5	632.0	635.7	648.7	663.6	685.4	718.7	769.6	840.1	937.8
45°	580.4	581.1	585.5	592.3	598.6	609.2	624.8	653.5	692.9	759.1	847.8
47.5°	537.7	538.4	539.2	542.2	549.1	558.7	569.1	592.5	627.7	680.5	766.9
50°	509.2	507.9	509.2	511.7	516.1	524.2	536.1	552.9	581.7	631.0	710.4
52.5°	481.8	481.5	480.7	481.8	485.1	490.7	499.1	513.5	539.2	584.6	654.4
55°	439.9	436.8	437.3	434.9	440.5	441.7	448.0	459.8	482.3	513.6	579.2
57.5°	395.3	392.6	389.9	389.1	388.7	392.0	397.0	406.3	423.6	451.0	504.2
60°	366.7	363.6	359.9	358.7	358.7	360.5	363.1	369.9	386.1	410.5	454.2
62.5°	337.8	334.1	331.9	328.6	327.7	329.5	332.0	336.9	348.6	371.5	409.3
65°	293.0	288.7	285.5	284.9	283.6	281.8	283.1	288.0	297.4	315.5	345.5
67.5°	248.2	244.0	243.3	239.7	237.9	238.1	237.9	242.1	247.8	263.4	285.8
70°	218.7	215.6	214.3	211.2	209.9	208.7	207.4	211.2	216.8	229.9	249.3
72.5°	188.7	186.1	183.3	180.7	180.9	179.7	179.4	181.7	186.3	198.4	213.3
75°	145.6	146.2	143.1	140.0	139.3	138.1	138.1	140.0	141.9	151.2	163.1
77.5°	105.6	105.1	102.5	101.5	100.9	99.5	100.9	102.1	103.1	109.3	118.1
80°	80.6	80.6	77.5	77.5	76.9	75.0	76.9	75.6	78.1	84.4	90.6
82.5°	57.6	56.6	56.5	55.5	55.4	54.0	54.9	56.1	57.1	61.4	65.1
85°	28.1	28.1	27.5	26.9	27.5	26.9	27.5	28.1	28.8	30.7	33.8
87.5°	11.3	12.1	12.4	11.9	10.8	10.4	10.4	10.6	11.3	11.2	11.2
90°	26.8	27.6	26.8	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8
92.5°	89.4	105.7	104.3	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9
95°	279.1	318.9	282.3	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5
97.5°	571.2	544.5	410.1	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4
100°	760.0	642.8	442.6	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6
102.5°	830.3	646.0	430.3	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6
105°	819.4	602.9	406.0	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3
107.5°	748.0	556.8	394.0	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7
110°	703.0	534.6	391.4	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4



TEST NUMBER: P331449-930
 CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	671.8	520.2	392.0	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6
115°	633.1	504.5	395.4	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0
117.5°	608.6	496.8	401.3	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0
120°	595.7	492.3	405.2	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4
122.5°	584.6	489.7	409.8	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1
125°	568.8	484.9	416.6	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1
127.5°	554.2	482.2	423.6	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4
130°	544.4	480.9	428.8	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9
132.5°	536.5	480.2	434.0	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7
135°	525.6	479.2	440.2	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4
137.5°	518.0	479.1	445.7	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5
140°	513.5	478.4	448.3	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0
142.5°	508.9	478.4	450.3	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4
145°	502.9	476.8	452.4	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1
147.5°	496.7	473.9	453.1	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8
150°	491.5	472.0	452.4	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9
152.5°	486.9	468.7	451.1	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0
155°	478.4	463.0	449.1	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9
157.5°	470.5	457.1	445.4	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6
160°	464.6	453.2	443.4	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8
162.5°	459.4	450.0	441.5	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9
165°	450.8	443.4	437.7	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2
167.5°	442.3	437.7	434.0	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1
170°	437.7	434.5	432.1	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6
172.5°	433.3	430.6	429.5	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2
175°	427.2	426.4	425.6	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3
177.5°	423.8	423.1	423.8	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1634.3	1636.7	1644.7	1652.8	1661.7	1664.3	1668.3	1664.8	1663.7	1673.2	1680.3
5°	1638.8	1650.1	1672.0	1692.0	1708.9	1720.7	1733.2	1738.2	1747.6	1760.7	1776.9
7.5°	1633.6	1655.5	1689.9	1719.0	1750.7	1773.6	1791.5	1806.7	1825.2	1850.1	1877.1
10°	1627.6	1657.0	1698.8	1734.5	1773.2	1802.5	1826.9	1850.6	1878.2	1912.5	1948.2
12.5°	1616.7	1651.5	1703.8	1746.0	1795.7	1824.6	1857.4	1908.7	1938.1	1986.0	2036.1
15°	1594.5	1633.2	1706.3	1758.2	1814.4	1869.4	1930.1	1978.7	2027.5	2055.6	2126.2
17.5°	1561.6	1618.5	1699.5	1760.0	1831.4	1918.0	1986.2	2041.3	2097.6	2143.2	2178.6
20°	1535.1	1597.0	1689.5	1761.9	1846.9	1940.0	2018.1	2074.4	2123.1	2161.2	2183.0
22.5°	1501.6	1579.5	1669.5	1754.4	1863.0	1955.0	2037.1	2081.4	2122.1	2140.7	2149.0
25°	1448.9	1542.6	1644.5	1748.2	1870.7	1968.1	2043.1	2070.0	2081.9	2063.8	2033.8
27.5°	1392.0	1496.6	1615.6	1736.4	1865.9	1959.7	2013.4	2009.1	1989.0	1930.4	1883.5
30°	1349.6	1464.5	1592.6	1724.4	1854.4	1945.6	1976.9	1945.6	1900.1	1834.4	1767.6
32.5°	1305.1	1424.1	1568.1	1707.5	1833.4	1913.7	1920.4	1866.7	1796.1	1721.5	1638.1
35°	1237.7	1366.4	1522.0	1669.5	1788.8	1839.4	1809.5	1714.5	1630.8	1528.9	1415.2
37.5°	1161.6	1303.7	1459.8	1613.9	1722.0	1735.2	1660.8	1560.7	1442.7	1323.0	1189.1
40°	1104.6	1255.2	1415.8	1571.4	1667.0	1653.3	1558.3	1448.3	1307.7	1161.5	1037.1
42.5°	1053.7	1204.3	1367.8	1520.4	1597.0	1559.3	1448.3	1313.4	1162.3	1024.6	910.7
45°	965.3	1120.3	1287.8	1435.2	1479.0	1410.8	1264.0	1114.0	965.3	850.4	760.4
47.5°	879.6	1032.8	1198.7	1328.2	1343.7	1252.1	1091.7	937.3	809.5	715.9	652.4
50°	816.6	970.3	1134.7	1250.3	1245.2	1134.7	969.7	822.9	716.0	640.4	597.9
52.5°	760.1	905.3	1063.2	1168.2	1141.7	1021.2	863.7	733.4	645.6	586.4	548.0
55°	672.3	806.7	956.6	1040.9	992.2	858.5	725.4	620.4	555.5	511.1	481.1
57.5°	585.1	711.0	839.4	891.4	837.5	714.0	603.1	526.9	478.1	445.2	425.7
60°	531.1	641.1	755.4	800.4	736.1	626.1	538.6	470.5	431.1	404.2	386.8
62.5°	477.1	575.6	683.4	707.9	649.1	556.1	478.6	422.0	389.6	365.7	349.3
65°	403.7	484.2	566.1	582.3	528.0	456.1	394.8	358.0	329.3	311.8	298.6
67.5°	331.0	395.7	453.7	466.8	419.2	369.4	325.1	293.0	273.5	259.0	247.9
70°	288.0	339.2	386.8	397.4	359.3	314.9	281.2	255.5	238.1	225.6	214.9
72.5°	242.6	285.3	324.7	331.9	300.8	266.9	239.2	219.1	203.6	195.6	185.5
75°	185.6	210.6	241.2	243.0	222.4	201.8	180.6	167.5	159.3	149.4	144.3
77.5°	130.9	150.6	168.0	171.5	159.2	145.2	133.3	122.9	116.1	111.5	106.8
80°	100.0	115.6	123.1	127.4	118.7	108.7	101.8	95.0	90.6	87.5	84.4
82.5°	71.5	81.1	88.1	91.5	86.7	80.7	73.9	70.0	66.6	64.0	62.9
85°	36.2	40.6	45.0	46.2	45.0	42.5	38.7	38.7	36.9	36.2	36.2
87.5°	13.1	15.8	16.1	17.9	17.4	18.3	19.4	19.9	19.6	18.8	18.2
90°	3.3	6.5	8.2	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0
92.5°	14.3	20.2	23.7	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9
95°	31.7	39.9	47.2	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2
97.5°	50.8	59.4	70.4	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5
100°	65.1	72.4	85.4	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9
102.5°	79.4	86.7	99.8	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7
105°	102.6	108.2	120.4	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6
107.5°	125.3	130.9	142.1	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5
110°	141.6	146.4	157.0	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	155.9	161.4	171.4	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6
115°	179.0	183.9	193.6	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3
117.5°	201.3	206.2	214.8	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7
120°	215.6	220.5	227.8	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6
122.5°	228.6	233.5	241.5	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0
125°	246.5	251.4	261.2	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5
127.5°	261.7	268.5	279.2	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3
130°	270.1	278.3	289.7	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0
132.5°	278.6	287.4	299.5	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3
135°	289.7	299.5	311.6	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5
137.5°	301.4	311.1	324.2	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1
140°	309.2	318.9	332.0	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1
142.5°	317.0	326.1	339.2	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0
145°	330.4	338.5	350.7	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1
147.5°	343.2	351.0	362.2	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1
150°	352.3	358.8	369.4	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0
152.5°	360.1	366.6	375.9	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9
155°	372.7	377.6	386.5	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9
157.5°	383.4	387.3	395.1	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3
160°	390.6	393.8	400.3	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2
162.5°	396.4	399.7	404.9	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1
165°	404.4	406.0	410.9	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3
167.5°	411.1	412.5	415.6	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0
170°	415.0	415.8	418.2	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8
172.5°	418.2	417.8	420.2	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9
175°	421.5	420.7	422.3	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7
177.5°	422.5	421.8	423.1	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1686.2	1693.2	1693.2	1694.2	1702.2	1701.2	1700.7
5°	1794.5	1805.1	1806.3	1817.5	1825.0	1822.5	1815.7
7.5°	1896.5	1916.3	1931.3	1939.7	1949.5	1955.7	1952.9
10°	1977.5	2006.3	2023.7	2035.6	2050.0	2060.6	2056.8
12.5°	2051.0	2085.2	2109.3	2129.6	2131.4	2145.1	2135.8
15°	2165.6	2201.8	2205.5	2220.5	2232.5	2231.1	2231.8
17.5°	2203.4	2215.1	2217.5	2217.8	2217.9	2213.5	2204.1
20°	2190.0	2185.6	2175.0	2166.8	2152.5	2150.6	2138.1
22.5°	2126.0	2112.1	2085.5	2067.8	2045.5	2039.6	2036.1
25°	2000.0	1969.4	1926.9	1886.3	1875.0	1853.2	1859.5
27.5°	1827.2	1779.5	1733.5	1700.5	1670.6	1637.9	1647.2
30°	1705.7	1652.0	1587.0	1537.0	1505.1	1473.9	1468.3
32.5°	1560.7	1482.1	1409.6	1365.5	1316.7	1297.0	1275.4
35°	1310.8	1234.0	1162.1	1100.2	1064.7	1037.1	1012.2
37.5°	1086.1	997.6	939.6	889.5	863.7	848.0	852.0
40°	946.6	869.1	826.6	788.5	764.8	753.5	756.0
42.5°	833.6	775.6	740.6	714.5	697.8	691.5	690.1
45°	705.4	672.9	644.2	629.2	621.1	614.2	609.8
47.5°	617.9	591.4	575.2	566.3	559.2	552.2	552.0
50°	565.4	548.0	536.7	527.3	521.7	516.7	521.1
52.5°	525.5	509.5	498.2	489.8	487.7	483.2	483.1
55°	466.1	453.6	445.5	438.0	434.2	431.7	428.6
57.5°	412.1	400.2	392.7	388.0	380.9	378.4	377.4
60°	373.7	364.3	356.8	350.5	347.4	342.4	342.4
62.5°	338.1	328.8	321.8	317.0	311.9	309.9	310.4
65°	286.8	279.3	272.4	267.4	266.2	262.4	263.7
67.5°	239.5	234.6	227.3	224.5	222.2	220.2	218.7
70°	208.1	203.1	199.3	195.6	193.7	193.7	193.7
72.5°	181.6	175.5	173.3	168.6	169.7	167.7	165.7
75°	140.6	136.8	134.9	133.1	130.0	130.0	130.0
77.5°	103.5	102.3	100.1	98.1	97.3	96.7	96.9
80°	80.0	79.3	78.1	78.1	76.9	76.2	75.0
82.5°	61.5	59.8	59.1	58.6	58.4	58.2	58.0
85°	35.0	33.8	33.8	34.3	33.1	33.1	33.8
87.5°	18.3	18.7	18.3	18.3	18.8	18.3	18.3
90°	24.4	26.0	26.8	26.8	26.8	26.8	26.8
92.5°	60.9	54.1	49.0	48.3	45.7	46.4	45.1
95°	163.5	129.4	111.5	100.9	94.4	92.0	92.8
97.5°	407.0	318.9	260.2	221.4	201.3	189.4	182.6
100°	642.0	530.5	432.1	364.5	329.5	306.0	291.3
102.5°	880.9	799.4	695.0	621.7	561.9	532.5	512.7
105°	1080.6	1091.2	1064.3	1013.8	963.4	928.4	917.0
107.5°	1065.9	1150.6	1189.9	1196.3	1193.5	1186.5	1171.4
110°	1020.3	1124.5	1191.2	1226.2	1241.7	1249.0	1248.2



TEST NUMBER: P331449-930

CATALOG NUMBER: SA2XXDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	966.4	1077.7	1154.1	1202.8	1228.7	1242.5	1246.9
115°	892.6	999.2	1083.0	1140.8	1178.2	1199.4	1206.7
117.5°	832.7	929.4	1008.0	1066.9	1106.4	1128.8	1134.9
120°	801.5	887.7	961.8	1018.7	1057.0	1080.6	1088.8
122.5°	775.4	857.1	924.1	975.1	1012.7	1033.7	1040.6
125°	741.3	812.9	873.9	921.1	952.0	972.3	978.8
127.5°	708.1	775.6	831.9	873.1	902.0	919.7	924.9
130°	685.9	750.2	804.0	843.8	871.5	887.7	894.2
132.5°	665.1	724.1	774.6	813.8	841.6	856.5	862.3
135°	632.3	685.9	731.5	766.5	793.4	808.0	811.2
137.5°	606.0	648.7	688.4	720.3	743.4	756.3	761.2
140°	589.1	626.6	662.3	688.4	709.6	721.8	726.6
142.5°	574.1	606.3	636.3	661.0	680.3	691.1	692.1
145°	555.0	580.2	603.7	623.3	637.2	645.2	647.7
147.5°	539.3	559.0	576.3	592.4	603.4	608.9	610.4
150°	528.9	546.0	560.6	572.8	582.6	587.5	588.3
152.5°	520.4	534.9	547.6	557.2	565.7	569.2	569.4
155°	507.0	519.1	528.1	537.0	542.7	546.0	544.4
157.5°	493.3	503.5	510.5	516.8	521.5	523.0	523.0
160°	484.1	493.1	498.8	504.5	508.6	509.4	509.4
162.5°	475.6	483.3	487.7	493.4	496.2	497.0	496.4
165°	463.0	468.7	472.0	475.2	478.4	478.4	477.6
167.5°	451.4	455.3	458.3	459.7	461.5	461.4	460.4
170°	444.3	447.5	449.1	450.0	452.4	451.6	450.0
172.5°	437.7	440.3	441.3	442.1	443.3	442.5	441.5
175°	430.5	431.3	432.1	432.1	432.9	432.1	430.5
177.5°	425.1	425.7	425.7	425.7	425.7	425.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1

(END OF REPORT)