

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: P331440-927

Luminaire Tested: **SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331440-927
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-C1005D725U927-4F0-1E-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

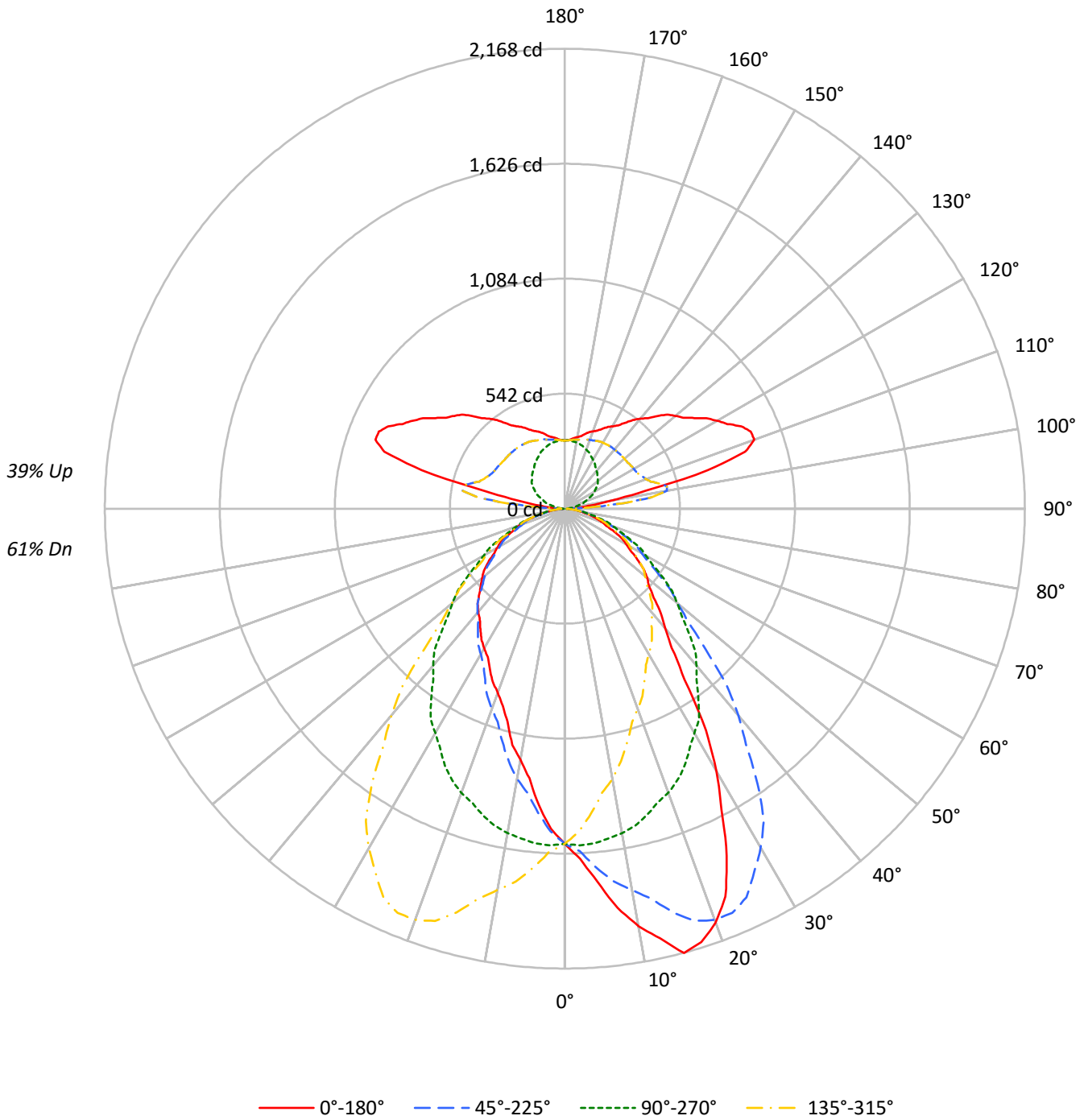
Lumens per Lamp: N/A
Luminaire Lumens: 5728.7 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

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



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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	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°	25504	25504	25504	25504
5°	28593	25671	22749	25671
10°	32765	25460	19687	25460
15°	36247	24993	17392	24993
20°	35696	24493	15856	24493
25°	32186	23826	14883	23826
30°	26597	22760	14171	22760
35°	19385	21646	13665	21646
40°	15483	20331	13384	20331
45°	13531	18810	13001	18810
50°	12717	17337	12750	17337
55°	11724	15842	12408	15842
60°	10743	14250	11880	14250
65°	9788	12825	11366	12825
70°	8884	11434	10607	11434
75°	7879	9881	9395	9881
80°	6778	8182	7569	8182
85°	6076	6076	4502	6076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	2.6
10°-20°	437.4	7.6
20°-30°	634.7	11.1
30°-40°	669.8	11.7
40°-50°	593.0	10.4
50°-60°	473.3	8.3
60°-70°	321.7	5.6
70°-80°	164.9	2.9
80°-90°	42.7	0.7
90°-100°	128.7	2.2
100°-110°	436.9	7.6
110°-120°	464.2	8.1
120°-130°	382.1	6.7
130°-140°	306.8	5.4
140°-150°	231.9	4.0
150°-160°	163.0	2.8
160°-170°	95.9	1.7
170°-180°	31.2	0.5
0°-30°	1222.5	21.3
0°-40°	1892.3	33.0
0°-60°	2958.6	51.6
0°-90°	3487.9	60.9
90°-120°	1029.8	18.0
90°-150°	1950.7	34.1
90°-180°	2241.0	39.1
0°-180°	5728.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1580	1580	1580	1580	1580	
5°	1764	1584	1404	1584	1764	176
15°	2168	1495	1040	1495	2168	598
25°	1807	1337	835	1337	1807	817
35°	984	1098	693	1098	984	640
45°	593	824	569	824	593	466
55°	416	563	441	563	416	373
65°	256	336	298	336	256	255
75°	126	158	151	158	126	135
85°	33	33	24	33	33	36
90°	20	1	20	1	20	13
95°	71	22	71	22	71	92
105°	698	76	698	76	698	675
115°	918	133	918	133	918	899
125°	745	186	745	186	745	673
135°	617	218	617	218	617	480
145°	493	249	493	249	493	313
155°	414	283	414	283	414	193
165°	364	308	364	308	364	104
175°	328	321	328	321	328	32
180°	322	322	322	322	322	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1652.5	1653.0	1653.9	1646.2	1645.2	1645.2	1638.4	1632.6	1625.8	1616.5	1617.6
5°	1764.2	1770.8	1773.3	1766.0	1755.1	1753.9	1743.6	1726.6	1710.8	1698.0	1688.9
7.5°	1897.5	1900.2	1894.3	1884.7	1876.5	1861.9	1842.8	1823.9	1797.6	1773.5	1755.5
10°	1998.5	2002.2	1991.9	1977.9	1966.4	1949.4	1921.4	1892.9	1858.3	1825.0	1798.2
12.5°	2075.3	2084.2	2071.0	2069.2	2049.5	2026.1	1992.8	1978.4	1929.7	1883.2	1854.6
15°	2168.5	2167.9	2169.2	2157.6	2143.0	2139.4	2104.2	2065.9	1997.3	1970.0	1922.6
17.5°	2141.6	2150.8	2155.1	2154.9	2154.6	2152.3	2141.0	2116.8	2082.4	2038.1	1983.5
20°	2077.5	2089.6	2091.4	2105.4	2113.3	2123.6	2127.9	2121.1	2099.9	2062.9	2015.5
22.5°	1978.4	1981.8	1987.5	2009.2	2026.3	2052.2	2065.7	2088.1	2080.0	2061.9	2022.4
25°	1806.7	1800.6	1821.9	1832.8	1872.2	1913.5	1943.3	1976.1	2005.3	2022.8	2011.3
27.5°	1600.5	1591.4	1623.3	1652.3	1684.3	1729.0	1775.4	1830.1	1875.7	1932.6	1952.2
30°	1426.6	1432.1	1462.4	1493.4	1542.0	1605.1	1657.3	1717.5	1782.4	1846.2	1890.5
32.5°	1239.2	1260.2	1279.4	1326.8	1369.6	1440.0	1516.5	1591.7	1672.7	1745.2	1813.8
35°	983.5	1007.7	1034.5	1069.1	1129.2	1199.0	1273.7	1375.1	1485.6	1584.5	1665.9
37.5°	827.8	823.9	839.2	864.3	912.9	969.3	1055.3	1155.4	1285.5	1401.8	1516.5
40°	734.6	732.1	743.1	766.1	803.2	844.5	919.7	1007.7	1128.5	1270.7	1407.2
42.5°	670.5	671.9	678.0	694.3	719.6	753.6	810.0	884.9	995.5	1129.3	1276.1
45°	592.6	596.8	603.5	611.3	625.9	653.9	685.4	738.9	826.2	937.9	1082.4
47.5°	536.4	536.5	543.4	550.2	558.9	574.6	600.4	633.9	695.6	786.6	910.8
50°	506.3	502.1	506.9	512.4	521.5	532.4	549.4	581.0	622.3	695.7	799.5
52.5°	469.4	469.5	473.9	475.9	484.1	495.0	510.6	532.4	569.8	627.2	712.6
55°	416.5	419.5	421.9	425.6	432.8	440.8	452.9	467.5	496.6	539.7	602.9
57.5°	366.7	367.7	370.1	377.0	381.6	388.9	400.4	413.7	432.6	464.5	512.0
60°	332.7	332.7	337.5	340.6	346.7	353.9	363.1	375.8	392.8	418.9	457.2
62.5°	301.6	301.1	303.1	308.0	312.7	319.5	328.5	339.4	355.4	378.6	410.0
65°	256.2	255.0	258.6	259.8	264.7	271.4	278.7	290.2	302.9	320.0	347.8
67.5°	212.5	214.0	215.9	218.2	220.9	227.9	232.7	240.9	251.7	265.8	284.7
70°	188.2	188.2	188.2	190.0	193.7	197.3	202.2	208.8	219.2	231.3	248.3
72.5°	161.0	163.0	164.9	163.8	168.4	170.6	176.4	180.2	190.0	197.8	212.9
75°	126.3	126.3	126.3	129.3	131.1	132.9	136.6	140.2	145.1	154.8	162.7
77.5°	94.2	94.0	94.6	95.3	97.3	99.4	100.5	103.8	108.3	112.8	119.5
80°	72.9	74.1	74.7	75.9	75.9	77.1	77.7	82.0	85.0	88.0	92.3
82.5°	56.3	56.6	56.7	57.0	57.4	58.1	59.7	61.1	62.2	64.7	68.0
85°	32.8	32.2	32.2	33.4	32.8	32.8	34.0	35.2	35.2	35.8	37.6
87.5°	16.7	16.7	17.2	16.7	16.7	17.1	16.8	16.6	17.2	17.8	18.1
90°	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8	20.4	21.1	20.4
92.5°	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0	68.0	80.5	79.4
95°	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2	212.4	242.7	214.9
97.5°	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6	434.7	414.4	312.1
100°	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4	578.4	489.2	336.8
102.5°	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8	631.8	491.7	327.5
105°	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4	623.6	458.8	309.0
107.5°	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8	569.2	423.7	299.8
110°	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7	535.0	406.9	297.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1	511.3	395.9	298.3
115°	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9	481.8	384.0	301.0
117.5°	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0	463.2	378.1	305.4
120°	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1	453.3	374.6	308.4
122.5°	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8	444.9	372.6	311.9
125°	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3	432.8	369.1	317.0
127.5°	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2	421.7	366.9	322.4
130°	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7	414.3	366.0	326.4
132.5°	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9	408.4	365.5	330.3
135°	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3	400.1	364.7	335.0
137.5°	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1	394.2	364.6	339.2
140°	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6	390.8	364.1	341.2
142.5°	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7	387.3	364.1	342.7
145°	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9	382.7	362.9	344.3
147.5°	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3	378.0	360.7	344.8
150°	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9	374.0	359.2	344.3
152.5°	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4	370.6	356.7	343.3
155°	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9	364.1	352.4	341.8
157.5°	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1	358.1	347.9	339.0
160°	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6	353.6	344.9	337.5
162.5°	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2	349.6	342.5	336.0
165°	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0	343.1	337.5	333.2
167.5°	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2	336.6	333.2	330.3
170°	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3	333.2	330.7	328.8
172.5°	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8	329.7	327.7	326.9
175°	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9	325.1	324.5	323.8
177.5°	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5	322.5	322.0	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1621.0	1617.1	1614.6	1605.9	1598.1	1590.3	1587.9	1588.9	1578.2	1568.0	1563.6
5°	1684.1	1671.9	1660.4	1644.0	1624.6	1603.3	1592.4	1583.9	1562.7	1539.6	1526.2
7.5°	1740.7	1723.3	1701.1	1670.2	1642.0	1608.5	1587.3	1568.4	1537.4	1504.8	1484.9
10°	1775.1	1751.4	1722.9	1685.3	1650.7	1610.0	1581.4	1552.9	1516.5	1477.7	1453.3
12.5°	1804.7	1772.8	1744.8	1696.5	1655.5	1604.6	1570.8	1530.6	1492.2	1446.0	1422.3
15°	1875.3	1816.4	1763.0	1708.3	1658.0	1586.9	1549.3	1495.2	1444.9	1387.8	1360.5
17.5°	1929.8	1863.6	1779.5	1710.1	1651.3	1572.6	1517.3	1452.6	1393.1	1327.9	1290.7
20°	1960.9	1885.0	1794.5	1712.0	1641.6	1551.7	1491.6	1425.5	1355.7	1282.1	1242.1
22.5°	1979.3	1899.6	1810.1	1704.7	1622.2	1534.7	1459.0	1386.6	1315.8	1236.5	1194.5
25°	1985.2	1912.3	1817.7	1698.7	1597.8	1498.9	1407.9	1337.4	1251.8	1177.7	1116.4
27.5°	1956.3	1904.1	1813.0	1687.2	1569.8	1454.1	1352.6	1272.8	1182.5	1102.1	1040.5
30°	1920.8	1890.5	1801.8	1675.5	1547.4	1423.0	1311.3	1220.8	1131.0	1049.6	986.5
32.5°	1866.0	1859.4	1781.5	1659.1	1523.7	1383.7	1268.1	1176.6	1077.1	997.2	937.0
35°	1758.2	1787.2	1738.1	1622.2	1478.8	1327.7	1202.6	1098.2	995.1	918.5	862.1
37.5°	1613.7	1686.0	1673.2	1568.1	1418.4	1266.8	1128.7	1019.5	921.2	844.0	788.6
40°	1514.1	1606.4	1619.7	1526.9	1375.7	1219.6	1073.3	964.6	868.7	798.4	742.4
42.5°	1407.2	1515.0	1551.7	1477.3	1329.0	1170.1	1023.8	911.2	816.3	747.8	698.3
45°	1228.1	1370.8	1437.0	1394.5	1251.3	1088.5	937.9	823.8	737.6	673.3	635.0
47.5°	1060.7	1216.6	1305.6	1290.5	1164.7	1003.5	854.7	745.1	661.2	609.9	575.7
50°	942.2	1102.5	1209.9	1214.8	1102.5	942.8	793.4	690.2	613.1	565.2	537.3
52.5°	839.2	992.2	1109.4	1135.1	1033.0	879.6	738.6	635.9	568.0	523.9	498.9
55°	704.8	834.2	964.1	1011.4	929.5	783.8	653.2	562.8	499.0	468.7	446.8
57.5°	586.0	693.8	813.7	866.1	815.6	690.9	568.5	489.9	438.2	411.6	394.8
60°	523.3	608.3	715.2	777.7	734.0	622.9	516.0	441.3	398.9	375.2	359.4
62.5°	465.0	540.3	630.7	687.9	664.0	559.3	463.6	397.7	361.0	338.7	327.3
65°	383.7	443.1	513.0	565.8	550.0	470.5	392.2	335.7	306.6	289.0	279.9
67.5°	315.9	358.9	407.3	453.6	440.8	384.5	321.6	277.7	256.0	240.7	235.3
70°	273.2	305.9	349.1	386.1	375.8	329.6	279.9	242.2	223.4	210.6	205.2
72.5°	232.4	259.4	292.2	322.5	315.5	277.2	235.7	207.2	192.8	181.0	176.6
75°	175.5	196.1	216.1	236.1	234.3	204.6	180.3	158.4	146.9	137.8	136.0
77.5°	129.5	141.1	154.7	166.6	163.3	146.3	127.2	114.7	106.2	100.1	99.2
80°	98.9	105.6	115.3	123.8	119.6	112.3	97.1	88.0	82.0	75.9	73.4
82.5°	71.8	78.4	84.3	88.9	85.6	78.8	69.5	63.3	59.7	55.5	54.5
85°	37.6	41.3	43.7	44.9	43.7	39.5	35.2	32.8	29.8	28.0	27.3
87.5°	17.9	17.0	16.4	17.0	15.3	15.1	12.7	10.8	10.7	10.7	10.0
90°	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6	2.5	5.0	6.2
92.5°	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5	10.9	15.4	18.1
95°	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7	24.2	30.3	35.9
97.5°	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3	38.7	45.2	53.6
100°	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7	49.5	55.1	65.0
102.5°	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1	60.4	66.0	75.9
105°	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6	78.0	82.4	91.7
107.5°	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4	95.4	99.6	108.1
110°	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3	107.7	111.5	119.5



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1	118.7	122.9	130.4
115°	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2	136.3	140.0	147.3
117.5°	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8	153.2	156.9	163.5
120°	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6	164.1	167.8	173.4
122.5°	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1	174.0	177.7	183.8
125°	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8	187.7	191.3	198.8
127.5°	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7	199.2	204.4	212.5
130°	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1	205.6	211.8	220.5
132.5°	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1	212.1	218.7	227.9
135°	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0	220.5	227.9	237.2
137.5°	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4	229.3	236.8	246.7
140°	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8	235.3	242.7	252.6
142.5°	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2	241.3	248.2	258.1
145°	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9	251.4	257.6	266.9
147.5°	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4	261.2	267.1	275.7
150°	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3	268.2	273.1	281.1
152.5°	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2	274.1	279.0	286.1
155°	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0	283.6	287.3	294.1
157.5°	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2	291.8	294.8	300.7
160°	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6	297.2	299.7	304.7
162.5°	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1	301.7	304.2	308.2
165°	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4	307.8	309.0	312.8
167.5°	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6	312.8	313.9	316.3
170°	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0	315.8	316.4	318.3
172.5°	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0	318.3	317.9	319.8
175°	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4	320.8	320.1	321.4
177.5°	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5	321.5	321.0	322.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1558.8	1555.8	1545.6	1540.3	1531.6	1523.3	1518.0	1520.4	1522.3	1521.4	1519.9
5°	1514.1	1502.5	1484.9	1469.7	1458.8	1438.8	1430.3	1426.1	1422.4	1418.2	1413.9
7.5°	1460.9	1442.7	1417.5	1395.8	1375.4	1350.5	1336.3	1327.9	1319.1	1309.5	1301.0
10°	1423.0	1397.5	1370.8	1340.5	1316.2	1293.7	1273.7	1260.3	1248.2	1236.7	1228.1
12.5°	1383.2	1353.8	1320.8	1279.3	1252.5	1220.4	1217.3	1193.8	1174.8	1167.7	1157.7
15°	1319.8	1278.5	1236.7	1187.5	1166.3	1137.1	1118.9	1100.7	1084.3	1072.7	1069.7
17.5°	1247.8	1194.4	1152.7	1117.4	1082.6	1052.7	1035.9	1021.4	1007.9	992.4	990.4
20°	1192.9	1146.8	1101.3	1070.3	1034.5	1004.1	983.5	968.9	957.4	948.2	940.4
22.5°	1141.0	1090.4	1048.8	1014.9	979.6	955.1	938.8	924.7	915.1	905.1	897.6
25°	1057.6	1018.1	972.6	934.3	905.1	889.4	876.0	863.9	857.9	851.1	842.6
27.5°	984.6	940.7	898.1	868.5	842.9	828.9	819.4	811.2	805.5	801.6	796.8
30°	933.1	888.7	855.4	826.2	805.0	791.1	785.0	780.1	773.4	771.0	768.6
32.5°	883.5	843.6	815.1	789.8	769.5	760.4	754.9	750.5	745.3	742.8	738.0
35°	813.5	780.1	752.2	738.2	721.8	713.9	709.7	703.6	698.8	696.3	695.7
37.5°	747.6	718.6	700.2	682.2	675.3	670.5	664.6	660.5	659.1	658.7	658.1
40°	704.8	681.1	664.8	650.2	647.1	639.8	635.0	631.4	631.4	632.0	631.4
42.5°	666.0	644.8	630.3	617.7	614.1	609.7	604.9	604.7	605.6	607.7	605.6
45°	607.1	591.9	581.6	575.5	568.9	564.6	564.0	565.8	566.4	567.0	568.9
47.5°	552.9	542.9	533.5	526.8	523.9	523.2	522.4	525.6	528.5	529.7	532.4
50°	520.9	509.4	501.5	497.2	494.8	493.5	494.8	498.4	500.8	503.9	505.7
52.5°	485.0	476.8	471.3	468.1	467.1	467.9	468.1	472.2	476.1	477.2	478.0
55°	435.3	429.2	428.0	422.6	424.9	424.4	427.4	429.8	433.5	437.1	437.7
57.5°	385.7	380.9	377.6	378.1	378.8	381.5	384.0	388.3	392.2	396.1	396.4
60°	352.8	350.3	348.5	348.5	349.7	353.3	356.3	360.6	363.1	365.4	367.3
62.5°	322.6	320.2	318.4	319.3	322.5	324.6	328.2	330.5	333.0	335.3	336.2
65°	275.0	273.8	275.6	276.9	277.4	280.5	284.7	286.5	289.0	290.2	294.5
67.5°	231.2	231.4	231.2	232.9	236.4	237.1	241.1	245.4	245.9	248.2	251.0
70°	201.5	202.8	204.0	205.2	208.3	209.5	212.5	214.3	216.7	218.6	220.4
72.5°	174.4	174.6	175.8	175.5	178.1	180.8	183.3	185.1	187.6	189.9	191.7
75°	134.2	134.2	135.4	136.0	139.0	142.0	141.5	142.7	145.1	147.5	148.8
77.5°	98.0	96.6	98.0	98.6	99.6	102.1	102.6	104.3	107.1	106.2	107.6
80°	74.7	72.9	74.7	75.3	75.3	78.3	78.3	79.5	81.4	79.5	81.4
82.5°	53.3	52.4	53.8	53.9	54.9	55.0	56.0	56.2	58.1	57.2	58.1
85°	26.7	26.1	26.7	26.1	26.7	27.3	27.3	26.7	26.7	28.0	26.1
87.5°	9.7	9.7	9.7	10.6	10.9	10.5	9.9	9.8	9.5	8.8	9.0
90°	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8	18.6	19.8	20.4
92.5°	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0	46.3	41.1	37.3
95°	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2	124.5	98.5	84.8
97.5°	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6	309.7	242.7	198.0
100°	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4	488.6	403.8	328.8
102.5°	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8	670.4	608.3	528.9
105°	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4	822.4	830.4	810.0
107.5°	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8	811.2	875.6	905.6
110°	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7	776.6	855.8	906.6



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1	735.4	820.1	878.4
115°	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9	679.3	760.4	824.2
117.5°	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0	633.7	707.3	767.1
120°	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1	610.0	675.6	732.0
122.5°	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8	590.2	652.3	703.2
125°	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3	564.1	618.6	665.0
127.5°	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2	538.8	590.3	633.1
130°	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7	522.0	570.9	611.8
132.5°	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9	506.2	551.1	589.5
135°	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3	481.2	522.0	556.7
137.5°	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1	461.2	493.7	523.9
140°	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6	448.4	476.8	504.1
142.5°	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7	437.0	461.4	484.3
145°	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9	422.3	441.6	459.5
147.5°	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3	410.4	425.4	438.6
150°	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9	402.5	415.5	426.7
152.5°	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4	396.1	407.1	416.8
155°	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9	385.8	395.1	401.9
157.5°	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1	375.4	383.2	388.5
160°	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6	368.4	375.3	379.6
162.5°	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2	362.0	367.8	371.2
165°	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0	352.4	356.7	359.2
167.5°	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2	343.6	346.5	348.8
170°	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3	338.1	340.6	341.8
172.5°	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8	333.2	335.2	335.9
175°	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9	327.6	328.2	328.8
177.5°	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5	323.5	324.0	324.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1515.0	1514.1	1514.1	1509.7	1514.1	1514.1	1515.0	1519.9	1521.4	1522.3	1520.4
5°	1405.4	1403.6	1400.6	1403.6	1400.6	1403.6	1405.4	1413.9	1418.2	1422.4	1426.1
7.5°	1297.0	1289.7	1288.6	1281.4	1288.6	1289.7	1297.0	1301.0	1309.5	1319.1	1327.9
10°	1217.8	1213.0	1212.4	1200.8	1212.4	1213.0	1217.8	1228.1	1236.7	1248.2	1260.3
12.5°	1157.6	1146.0	1148.3	1141.5	1148.3	1146.0	1157.6	1157.7	1167.7	1174.8	1193.8
15°	1053.3	1053.3	1050.9	1040.5	1050.9	1053.3	1053.3	1069.7	1072.7	1084.3	1100.7
17.5°	978.4	977.2	971.4	974.2	971.4	977.2	978.4	990.4	992.4	1007.9	1021.4
20°	933.7	930.1	922.8	922.8	922.8	930.1	933.7	940.4	948.2	957.4	968.9
22.5°	891.4	891.2	883.4	885.9	883.4	891.2	891.4	897.6	905.1	915.1	924.7
25°	842.0	837.2	833.5	835.4	833.5	837.2	842.0	842.6	851.1	857.9	863.9
27.5°	795.2	792.5	792.3	787.3	792.3	792.5	795.2	796.8	801.6	805.5	811.2
30°	767.9	761.9	763.1	760.1	763.1	761.9	767.9	768.6	771.0	773.4	780.1
32.5°	736.9	734.7	733.5	730.9	733.5	734.7	736.9	738.0	742.8	745.3	750.5
35°	694.5	695.1	692.1	693.3	692.1	695.1	694.5	695.7	696.3	698.8	703.6
37.5°	657.5	659.4	658.0	658.3	658.0	659.4	657.5	658.1	658.7	659.1	660.5
40°	633.2	633.2	633.2	635.0	633.2	633.2	633.2	631.4	632.0	631.4	631.4
42.5°	609.9	609.0	607.9	607.8	607.9	609.0	609.9	605.6	607.7	605.6	604.7
45°	570.1	571.9	572.5	569.4	572.5	571.9	570.1	568.9	567.0	566.4	565.8
47.5°	534.0	534.2	534.0	536.7	534.0	534.2	534.0	532.4	529.7	528.5	525.6
50°	508.7	507.6	508.7	507.6	508.7	507.6	508.7	505.7	503.9	500.8	498.4
52.5°	482.0	482.3	481.6	481.3	481.6	482.3	482.0	478.0	477.2	476.1	472.2
55°	440.1	441.3	440.8	440.8	440.8	441.3	440.1	437.7	437.1	433.5	429.8
57.5°	396.8	397.9	398.7	396.1	398.7	397.9	396.8	396.4	396.1	392.2	388.3
60°	366.7	369.7	369.1	367.9	369.1	369.7	366.7	367.3	365.4	363.1	360.6
62.5°	339.0	340.1	340.0	339.8	340.0	340.1	339.0	336.2	335.3	333.0	330.5
65°	296.3	297.5	295.6	297.5	295.6	297.5	296.3	294.5	290.2	289.0	286.5
67.5°	250.3	250.6	251.9	252.8	251.9	250.6	250.3	251.0	248.2	245.9	245.4
70°	221.6	221.0	222.8	224.7	222.8	221.0	221.6	220.4	218.6	216.7	214.3
72.5°	191.5	192.8	192.2	193.5	192.2	192.8	191.5	191.7	189.9	187.6	185.1
75°	147.5	149.3	148.8	150.6	148.8	149.3	147.5	148.8	147.5	145.1	142.7
77.5°	106.6	106.9	106.6	107.6	106.6	106.9	106.6	107.6	106.2	107.1	104.3
80°	81.4	80.2	78.9	81.4	78.9	80.2	81.4	81.4	79.5	81.4	79.5
82.5°	56.6	57.3	56.1	56.1	56.1	57.3	56.6	58.1	57.2	58.1	56.2
85°	26.1	25.5	24.3	24.3	24.3	25.5	26.1	26.1	28.0	26.7	26.7
87.5°	9.0	8.5	8.5	8.0	8.5	8.5	9.0	9.0	8.8	9.5	9.8
90°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8
92.5°	36.8	34.8	35.3	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0
95°	76.8	71.9	69.9	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2
97.5°	168.4	153.2	144.2	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6
100°	277.4	250.8	232.8	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4
102.5°	473.1	427.6	405.2	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8
105°	771.6	733.2	706.5	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4
107.5°	910.5	908.3	903.0	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8
110°	933.2	945.0	950.5	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	915.4	935.1	945.6	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1
115°	868.2	896.7	912.8	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9
117.5°	812.0	842.1	859.0	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0
120°	775.3	804.4	822.4	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1
122.5°	742.1	770.7	786.7	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8
125°	701.0	724.5	740.0	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3
127.5°	664.5	686.5	699.9	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2
130°	642.1	663.2	675.6	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7
132.5°	619.4	640.4	651.8	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9
135°	583.4	603.8	614.9	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3
137.5°	548.2	565.8	575.5	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1
140°	523.9	540.0	549.3	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6
142.5°	503.1	517.7	526.0	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7
145°	474.4	484.9	491.1	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9
147.5°	450.8	459.2	463.4	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3
150°	435.9	443.4	447.1	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9
152.5°	424.1	430.5	433.2	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4
155°	408.7	413.0	415.5	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9
157.5°	393.3	397.0	398.1	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1
160°	384.0	387.1	387.6	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6
162.5°	375.5	377.6	378.3	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2
165°	361.6	364.1	364.1	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0
167.5°	349.9	351.3	351.1	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2
170°	342.5	344.3	343.6	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3
172.5°	336.5	337.4	336.8	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8
175°	328.8	329.5	328.8	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9
177.5°	324.0	324.0	323.5	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1518.0	1523.3	1531.6	1540.3	1545.6	1555.8	1558.8	1563.6	1568.0	1578.2	1588.9
5°	1430.3	1438.8	1458.8	1469.7	1484.9	1502.5	1514.1	1526.2	1539.6	1562.7	1583.9
7.5°	1336.3	1350.5	1375.4	1395.8	1417.5	1442.7	1460.9	1484.9	1504.8	1537.4	1568.4
10°	1273.7	1293.7	1316.2	1340.5	1370.8	1397.5	1423.0	1453.3	1477.7	1516.5	1552.9
12.5°	1217.3	1220.4	1252.5	1279.3	1320.8	1353.8	1383.2	1422.3	1446.0	1492.2	1530.6
15°	1118.9	1137.1	1166.3	1187.5	1236.7	1278.5	1319.8	1360.5	1387.8	1444.9	1495.2
17.5°	1035.9	1052.7	1082.6	1117.4	1152.7	1194.4	1247.8	1290.7	1327.9	1393.1	1452.6
20°	983.5	1004.1	1034.5	1070.3	1101.3	1146.8	1192.9	1242.1	1282.1	1355.7	1425.5
22.5°	938.8	955.1	979.6	1014.9	1048.8	1090.4	1141.0	1194.5	1236.5	1315.8	1386.6
25°	876.0	889.4	905.1	934.3	972.6	1018.1	1057.6	1116.4	1177.7	1251.8	1337.4
27.5°	819.4	828.9	842.9	868.5	898.1	940.7	984.6	1040.5	1102.1	1182.5	1272.8
30°	785.0	791.1	805.0	826.2	855.4	888.7	933.1	986.5	1049.6	1131.0	1220.8
32.5°	754.9	760.4	769.5	789.8	815.1	843.6	883.5	937.0	997.2	1077.1	1176.6
35°	709.7	713.9	721.8	738.2	752.2	780.1	813.5	862.1	918.5	995.1	1098.2
37.5°	664.6	670.5	675.3	682.2	700.2	718.6	747.6	788.6	844.0	921.2	1019.5
40°	635.0	639.8	647.1	650.2	664.8	681.1	704.8	742.4	798.4	868.7	964.6
42.5°	604.9	609.7	614.1	617.7	630.3	644.8	666.0	698.3	747.8	816.3	911.2
45°	564.0	564.6	568.9	575.5	581.6	591.9	607.1	635.0	673.3	737.6	823.8
47.5°	522.4	523.2	523.9	526.8	533.5	542.9	552.9	575.7	609.9	661.2	745.1
50°	494.8	493.5	494.8	497.2	501.5	509.4	520.9	537.3	565.2	613.1	690.2
52.5°	468.1	467.9	467.1	468.1	471.3	476.8	485.0	498.9	523.9	568.0	635.9
55°	427.4	424.4	424.9	422.6	428.0	429.2	435.3	446.8	468.7	499.0	562.8
57.5°	384.0	381.5	378.8	378.1	377.6	380.9	385.7	394.8	411.6	438.2	489.9
60°	356.3	353.3	349.7	348.5	348.5	350.3	352.8	359.4	375.2	398.9	441.3
62.5°	328.2	324.6	322.5	319.3	318.4	320.2	322.6	327.3	338.7	361.0	397.7
65°	284.7	280.5	277.4	276.9	275.6	273.8	275.0	279.9	289.0	306.6	335.7
67.5°	241.1	237.1	236.4	232.9	231.2	231.4	231.2	235.3	240.7	256.0	277.7
70°	212.5	209.5	208.3	205.2	204.0	202.8	201.5	205.2	210.6	223.4	242.2
72.5°	183.3	180.8	178.1	175.5	175.8	174.6	174.4	176.6	181.0	192.8	207.2
75°	141.5	142.0	139.0	136.0	135.4	134.2	134.2	136.0	137.8	146.9	158.4
77.5°	102.6	102.1	99.6	98.6	98.0	96.6	98.0	99.2	100.1	106.2	114.7
80°	78.3	78.3	75.3	75.3	74.7	72.9	74.7	73.4	75.9	82.0	88.0
82.5°	56.0	55.0	54.9	53.9	53.8	52.4	53.3	54.5	55.5	59.7	63.3
85°	27.3	27.3	26.7	26.1	26.7	26.1	26.7	27.3	28.0	29.8	32.8
87.5°	9.9	10.5	10.9	10.6	9.7	9.7	9.7	10.0	10.7	10.7	10.8
90°	20.4	21.1	20.4	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6
92.5°	68.0	80.5	79.4	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5
95°	212.4	242.7	214.9	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7
97.5°	434.7	414.4	312.1	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3
100°	578.4	489.2	336.8	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7
102.5°	631.8	491.7	327.5	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1
105°	623.6	458.8	309.0	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6
107.5°	569.2	423.7	299.8	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4
110°	535.0	406.9	297.9	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	511.3	395.9	298.3	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1
115°	481.8	384.0	301.0	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2
117.5°	463.2	378.1	305.4	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8
120°	453.3	374.6	308.4	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6
122.5°	444.9	372.6	311.9	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1
125°	432.8	369.1	317.0	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8
127.5°	421.7	366.9	322.4	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7
130°	414.3	366.0	326.4	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1
132.5°	408.4	365.5	330.3	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1
135°	400.1	364.7	335.0	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0
137.5°	394.2	364.6	339.2	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4
140°	390.8	364.1	341.2	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8
142.5°	387.3	364.1	342.7	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2
145°	382.7	362.9	344.3	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9
147.5°	378.0	360.7	344.8	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4
150°	374.0	359.2	344.3	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3
152.5°	370.6	356.7	343.3	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2
155°	364.1	352.4	341.8	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0
157.5°	358.1	347.9	339.0	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2
160°	353.6	344.9	337.5	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6
162.5°	349.6	342.5	336.0	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1
165°	343.1	337.5	333.2	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4
167.5°	336.6	333.2	330.3	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6
170°	333.2	330.7	328.8	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0
172.5°	329.7	327.7	326.9	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0
175°	325.1	324.5	323.8	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4
177.5°	322.5	322.0	322.5	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331440-927

CATALOG NUMBER: SA2XXDIP-C1005D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1587.9	1590.3	1598.1	1605.9	1614.6	1617.1	1621.0	1617.6	1616.5	1625.8	1632.6
5°	1592.4	1603.3	1624.6	1644.0	1660.4	1671.9	1684.1	1688.9	1698.0	1710.8	1726.6
7.5°	1587.3	1608.5	1642.0	1670.2	1701.1	1723.3	1740.7	1755.5	1773.5	1797.6	1823.9
10°	1581.4	1610.0	1650.7	1685.3	1722.9	1751.4	1775.1	1798.2	1825.0	1858.3	1892.9
12.5°	1570.8	1604.6	1655.5	1696.5	1744.8	1772.8	1804.7	1854.6	1883.2	1929.7	1978.4
15°	1549.3	1586.9	1658.0	1708.3	1763.0	1816.4	1875.3	1922.6	1970.0	1997.3	2065.9
17.5°	1517.3	1572.6	1651.3	1710.1	1779.5	1863.6	1929.8	1983.5	2038.1	2082.4	2116.8
20°	1491.6	1551.7	1641.6	1712.0	1794.5	1885.0	1960.9	2015.5	2062.9	2099.9	2121.1
22.5°	1459.0	1534.7	1622.2	1704.7	1810.1	1899.6	1979.3	2022.4	2061.9	2080.0	2088.1
25°	1407.9	1498.9	1597.8	1698.7	1817.7	1912.3	1985.2	2011.3	2022.8	2005.3	1976.1
27.5°	1352.6	1454.1	1569.8	1687.2	1813.0	1904.1	1956.3	1952.2	1932.6	1875.7	1830.1
30°	1311.3	1423.0	1547.4	1675.5	1801.8	1890.5	1920.8	1890.5	1846.2	1782.4	1717.5
32.5°	1268.1	1383.7	1523.7	1659.1	1781.5	1859.4	1866.0	1813.8	1745.2	1672.7	1591.7
35°	1202.6	1327.7	1478.8	1622.2	1738.1	1787.2	1758.2	1665.9	1584.5	1485.6	1375.1
37.5°	1128.7	1266.8	1418.4	1568.1	1673.2	1686.0	1613.7	1516.5	1401.8	1285.5	1155.4
40°	1073.3	1219.6	1375.7	1526.9	1619.7	1606.4	1514.1	1407.2	1270.7	1128.5	1007.7
42.5°	1023.8	1170.1	1329.0	1477.3	1551.7	1515.0	1407.2	1276.1	1129.3	995.5	884.9
45°	937.9	1088.5	1251.3	1394.5	1437.0	1370.8	1228.1	1082.4	937.9	826.2	738.9
47.5°	854.7	1003.5	1164.7	1290.5	1305.6	1216.6	1060.7	910.8	786.6	695.6	633.9
50°	793.4	942.8	1102.5	1214.8	1209.9	1102.5	942.2	799.5	695.7	622.3	581.0
52.5°	738.6	879.6	1033.0	1135.1	1109.4	992.2	839.2	712.6	627.2	569.8	532.4
55°	653.2	783.8	929.5	1011.4	964.1	834.2	704.8	602.9	539.7	496.6	467.5
57.5°	568.5	690.9	815.6	866.1	813.7	693.8	586.0	512.0	464.5	432.6	413.7
60°	516.0	622.9	734.0	777.7	715.2	608.3	523.3	457.2	418.9	392.8	375.8
62.5°	463.6	559.3	664.0	687.9	630.7	540.3	465.0	410.0	378.6	355.4	339.4
65°	392.2	470.5	550.0	565.8	513.0	443.1	383.7	347.8	320.0	302.9	290.2
67.5°	321.6	384.5	440.8	453.6	407.3	358.9	315.9	284.7	265.8	251.7	240.9
70°	279.9	329.6	375.8	386.1	349.1	305.9	273.2	248.3	231.3	219.2	208.8
72.5°	235.7	277.2	315.5	322.5	292.2	259.4	232.4	212.9	197.8	190.0	180.2
75°	180.3	204.6	234.3	236.1	216.1	196.1	175.5	162.7	154.8	145.1	140.2
77.5°	127.2	146.3	163.3	166.6	154.7	141.1	129.5	119.5	112.8	108.3	103.8
80°	97.1	112.3	119.6	123.8	115.3	105.6	98.9	92.3	88.0	85.0	82.0
82.5°	69.5	78.8	85.6	88.9	84.3	78.4	71.8	68.0	64.7	62.2	61.1
85°	35.2	39.5	43.7	44.9	43.7	41.3	37.6	37.6	35.8	35.2	35.2
87.5°	12.7	15.1	15.3	17.0	16.4	17.0	17.9	18.1	17.8	17.2	16.6
90°	2.5	5.0	6.2	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8
92.5°	10.9	15.4	18.1	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0
95°	24.2	30.3	35.9	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2
97.5°	38.7	45.2	53.6	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6
100°	49.5	55.1	65.0	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4
102.5°	60.4	66.0	75.9	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8
105°	78.0	82.4	91.7	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4
107.5°	95.4	99.6	108.1	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8
110°	107.7	111.5	119.5	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	118.7	122.9	130.4	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1
115°	136.3	140.0	147.3	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9
117.5°	153.2	156.9	163.5	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0
120°	164.1	167.8	173.4	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1
122.5°	174.0	177.7	183.8	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8
125°	187.7	191.3	198.8	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3
127.5°	199.2	204.4	212.5	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2
130°	205.6	211.8	220.5	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7
132.5°	212.1	218.7	227.9	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9
135°	220.5	227.9	237.2	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3
137.5°	229.3	236.8	246.7	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1
140°	235.3	242.7	252.6	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6
142.5°	241.3	248.2	258.1	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7
145°	251.4	257.6	266.9	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9
147.5°	261.2	267.1	275.7	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3
150°	268.2	273.1	281.1	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9
152.5°	274.1	279.0	286.1	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4
155°	283.6	287.3	294.1	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9
157.5°	291.8	294.8	300.7	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1
160°	297.2	299.7	304.7	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6
162.5°	301.7	304.2	308.2	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2
165°	307.8	309.0	312.8	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0
167.5°	312.8	313.9	316.3	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2
170°	315.8	316.4	318.3	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3
172.5°	318.3	317.9	319.8	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8
175°	320.8	320.1	321.4	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9
177.5°	321.5	321.0	322.0	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1638.4	1645.2	1645.2	1646.2	1653.9	1653.0	1652.5
5°	1743.6	1753.9	1755.1	1766.0	1773.3	1770.8	1764.2
7.5°	1842.8	1861.9	1876.5	1884.7	1894.3	1900.2	1897.5
10°	1921.4	1949.4	1966.4	1977.9	1991.9	2002.2	1998.5
12.5°	1992.8	2026.1	2049.5	2069.2	2071.0	2084.2	2075.3
15°	2104.2	2139.4	2143.0	2157.6	2169.2	2167.9	2168.5
17.5°	2141.0	2152.3	2154.6	2154.9	2155.1	2150.8	2141.6
20°	2127.9	2123.6	2113.3	2105.4	2091.4	2089.6	2077.5
22.5°	2065.7	2052.2	2026.3	2009.2	1987.5	1981.8	1978.4
25°	1943.3	1913.5	1872.2	1832.8	1821.9	1800.6	1806.7
27.5°	1775.4	1729.0	1684.3	1652.3	1623.3	1591.4	1600.5
30°	1657.3	1605.1	1542.0	1493.4	1462.4	1432.1	1426.6
32.5°	1516.5	1440.0	1369.6	1326.8	1279.4	1260.2	1239.2
35°	1273.7	1199.0	1129.2	1069.1	1034.5	1007.7	983.5
37.5°	1055.3	969.3	912.9	864.3	839.2	823.9	827.8
40°	919.7	844.5	803.2	766.1	743.1	732.1	734.6
42.5°	810.0	753.6	719.6	694.3	678.0	671.9	670.5
45°	685.4	653.9	625.9	611.3	603.5	596.8	592.6
47.5°	600.4	574.6	558.9	550.2	543.4	536.5	536.4
50°	549.4	532.4	521.5	512.4	506.9	502.1	506.3
52.5°	510.6	495.0	484.1	475.9	473.9	469.5	469.4
55°	452.9	440.8	432.8	425.6	421.9	419.5	416.5
57.5°	400.4	388.9	381.6	377.0	370.1	367.7	366.7
60°	363.1	353.9	346.7	340.6	337.5	332.7	332.7
62.5°	328.5	319.5	312.7	308.0	303.1	301.1	301.6
65°	278.7	271.4	264.7	259.8	258.6	255.0	256.2
67.5°	232.7	227.9	220.9	218.2	215.9	214.0	212.5
70°	202.2	197.3	193.7	190.0	188.2	188.2	188.2
72.5°	176.4	170.6	168.4	163.8	164.9	163.0	161.0
75°	136.6	132.9	131.1	129.3	126.3	126.3	126.3
77.5°	100.5	99.4	97.3	95.3	94.6	94.0	94.2
80°	77.7	77.1	75.9	75.9	74.7	74.1	72.9
82.5°	59.7	58.1	57.4	57.0	56.7	56.6	56.3
85°	34.0	32.8	32.8	33.4	32.2	32.2	32.8
87.5°	16.8	17.1	16.7	16.7	17.2	16.7	16.7
90°	18.6	19.8	20.4	20.4	20.4	20.4	20.4
92.5°	46.3	41.1	37.3	36.8	34.8	35.3	34.3
95°	124.5	98.5	84.8	76.8	71.9	69.9	70.6
97.5°	309.7	242.7	198.0	168.4	153.2	144.2	138.9
100°	488.6	403.8	328.8	277.4	250.8	232.8	221.7
102.5°	670.4	608.3	528.9	473.1	427.6	405.2	390.1
105°	822.4	830.4	810.0	771.6	733.2	706.5	697.9
107.5°	811.2	875.6	905.6	910.5	908.3	903.0	891.4
110°	776.6	855.8	906.6	933.2	945.0	950.5	949.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	735.4	820.1	878.4	915.4	935.1	945.6	949.0
115°	679.3	760.4	824.2	868.2	896.7	912.8	918.4
117.5°	633.7	707.3	767.1	812.0	842.1	859.0	863.7
120°	610.0	675.6	732.0	775.3	804.4	822.4	828.5
122.5°	590.2	652.3	703.2	742.1	770.7	786.7	791.9
125°	564.1	618.6	665.0	701.0	724.5	740.0	745.0
127.5°	538.8	590.3	633.1	664.5	686.5	699.9	703.9
130°	522.0	570.9	611.8	642.1	663.2	675.6	680.6
132.5°	506.2	551.1	589.5	619.4	640.4	651.8	656.2
135°	481.2	522.0	556.7	583.4	603.8	614.9	617.4
137.5°	461.2	493.7	523.9	548.2	565.8	575.5	579.2
140°	448.4	476.8	504.1	523.9	540.0	549.3	553.0
142.5°	437.0	461.4	484.3	503.1	517.7	526.0	526.7
145°	422.3	441.6	459.5	474.4	484.9	491.1	492.9
147.5°	410.4	425.4	438.6	450.8	459.2	463.4	464.5
150°	402.5	415.5	426.7	435.9	443.4	447.1	447.7
152.5°	396.1	407.1	416.8	424.1	430.5	433.2	433.3
155°	385.8	395.1	401.9	408.7	413.0	415.5	414.3
157.5°	375.4	383.2	388.5	393.3	397.0	398.1	398.1
160°	368.4	375.3	379.6	384.0	387.1	387.6	387.6
162.5°	362.0	367.8	371.2	375.5	377.6	378.3	377.7
165°	352.4	356.7	359.2	361.6	364.1	364.1	363.5
167.5°	343.6	346.5	348.8	349.9	351.3	351.1	350.4
170°	338.1	340.6	341.8	342.5	344.3	343.6	342.5
172.5°	333.2	335.2	335.9	336.5	337.4	336.8	336.0
175°	327.6	328.2	328.8	328.8	329.5	328.8	327.6
177.5°	323.5	324.0	324.0	324.0	324.0	323.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0

(END OF REPORT)