

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: P331748-935

Luminaire Tested: **SA2XXRDIP-C1005D725U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331748-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C1005D725U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5514.8 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

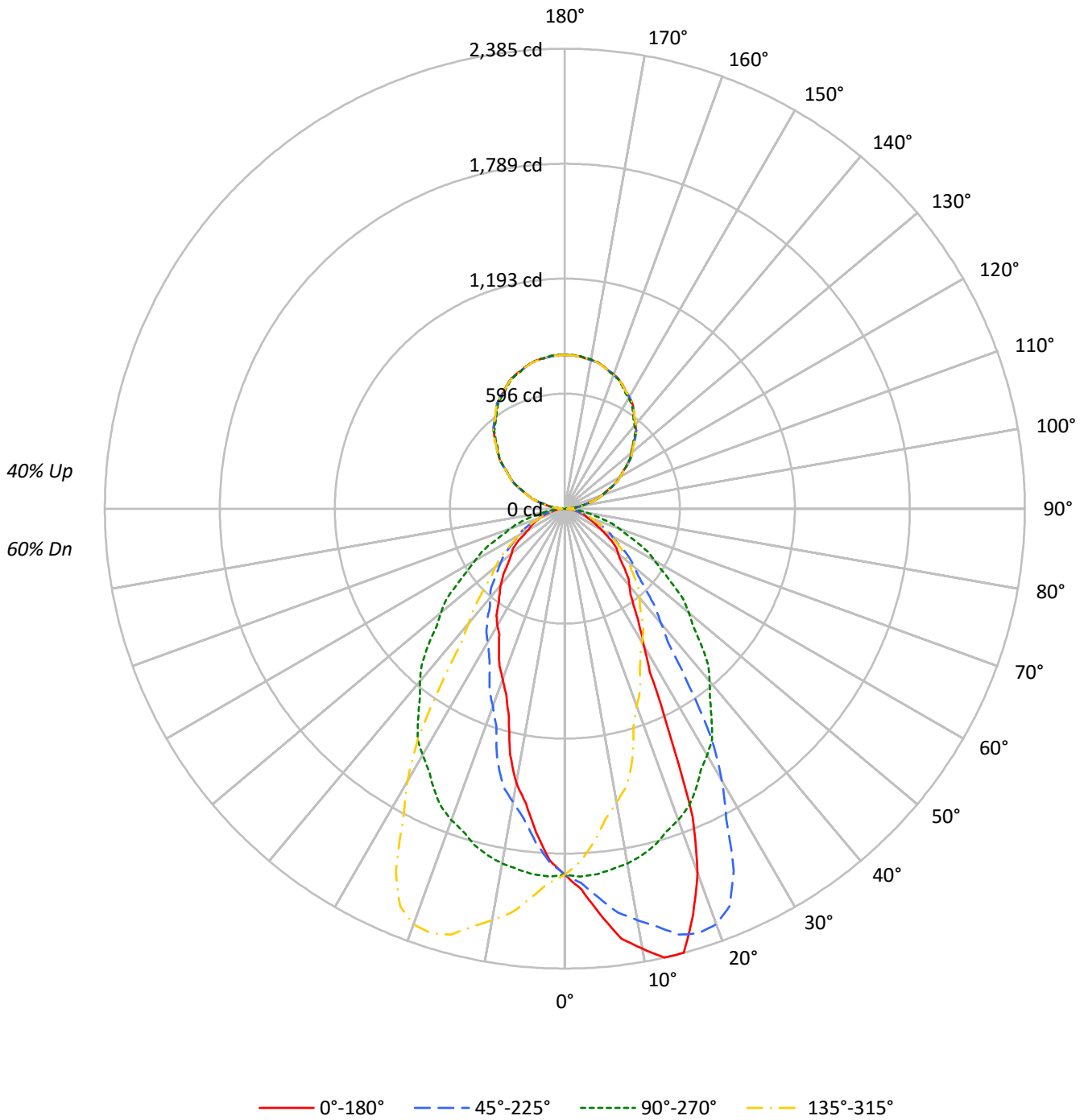
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60				
1	101	97	93	90	94	91	88	85	79	77	75	69	67	65	59	58	57	52				
2	93	86	80	75	86	80	75	71	70	67	63	61	59	56	53	51	49	45				
3	85	76	69	64	79	72	66	61	63	58	55	55	52	49	48	45	43	39				
4	79	68	61	55	73	64	58	52	57	52	48	50	46	43	43	41	38	35				
5	73	61	54	48	68	58	51	46	51	46	42	45	41	38	40	37	34	31				
6	67	56	48	42	63	53	46	41	47	41	37	42	37	34	37	33	30	28				
7	63	51	43	38	59	48	41	36	43	37	33	38	34	30	34	30	28	25				
8	58	46	39	34	55	44	37	33	40	34	30	35	31	28	31	28	25	23				
9	55	43	35	31	51	41	34	29	37	31	27	33	28	25	29	26	23	21				
10	51	39	32	28	48	38	31	27	34	29	25	30	26	23	27	24	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30658	30658	30658	30658
5°	34240	30851	27353	30851
10°	37990	30634	23710	30634
15°	39858	30186	18683	30186
20°	34553	29520	16167	29520
25°	22661	28609	14434	28609
30°	15252	27505	13064	27505
35°	12354	26112	11783	26112
40°	10985	24601	10903	24601
45°	9944	22825	9732	22825
50°	9048	21064	9018	21064
55°	8507	19111	8397	19111
60°	7114	17321	7030	17321
65°	5998	15729	6804	15729
70°	5542	14049	6420	14049
75°	5190	12227	5926	12227
80°	4788	10060	5272	10060
85°	4409	7947	4650	7947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	3.3
10°-20°	501.6	9.1
20°-30°	646.3	11.7
30°-40°	614.2	11.1
40°-50°	526.2	9.5
50°-60°	400.7	7.3
60°-70°	253.3	4.6
70°-80°	126.5	2.3
80°-90°	36.1	0.7
90°-100°	50.5	0.9
100°-110°	157.0	2.8
110°-120°	268.3	4.9
120°-130°	352.8	6.4
130°-140°	396.0	7.2
140°-150°	388.3	7.0
150°-160°	325.7	5.9
160°-170°	216.0	3.9
170°-180°	75.5	1.4
0°-30°	1327.9	24.1
0°-40°	1942.1	35.2
0°-60°	2869.0	52.0
0°-90°	3284.9	59.6
90°-120°	475.8	8.6
90°-150°	1612.8	29.2
90°-180°	2230.0	40.4
0°-180°	5514.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2113	1904	1688	1904	2113	209
15°	2384	1806	1118	1806	2384	643
25°	1272	1606	810	1606	1272	604
35°	627	1325	598	1325	627	401
45°	436	1000	426	1000	436	337
55°	302	679	298	679	302	265
65°	157	412	178	412	157	160
75°	83	196	95	196	83	88
85°	24	43	25	43	24	26
90°	23	1	23	1	23	11
95°	42	35	42	35	42	47
105°	149	145	149	145	149	157
115°	269	269	269	269	269	266
125°	393	392	393	392	393	350
135°	513	507	513	507	513	395
145°	622	615	622	615	622	388
155°	709	703	709	703	709	326
165°	766	765	766	765	766	216
175°	794	796	794	796	794	75
180°	798	798	798	798	798	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1975.9	1977.5	1979.1	1975.4	1975.4	1972.2	1965.4	1960.1	1945.3	1943.2	1943.2
5°	2112.6	2111.3	2113.9	2105.4	2093.5	2090.9	2078.4	2061.8	2044.7	2025.6	2021.6
7.5°	2248.6	2246.6	2241.3	2239.9	2230.8	2210.8	2190.6	2169.1	2140.6	2112.8	2098.8
10°	2317.2	2339.0	2325.7	2302.7	2307.3	2276.3	2259.8	2231.5	2207.7	2166.1	2156.9
12.5°	2384.7	2393.3	2389.1	2376.0	2370.1	2348.5	2326.2	2301.6	2257.8	2220.4	2188.0
15°	2384.5	2397.0	2400.3	2396.3	2399.7	2398.3	2386.4	2366.0	2327.7	2286.8	2251.2
17.5°	2208.5	2217.2	2238.8	2253.4	2271.9	2311.0	2330.2	2337.8	2332.1	2308.8	2283.6
20°	2011.0	1996.5	2057.2	2088.3	2114.6	2180.6	2237.3	2259.1	2294.0	2293.4	2286.8
22.5°	1731.3	1734.7	1792.3	1829.1	1906.2	1972.1	2036.8	2118.7	2186.4	2231.1	2257.3
25°	1272.0	1297.2	1354.5	1404.7	1490.5	1613.2	1724.7	1854.0	1976.1	2072.4	2164.1
27.5°	955.4	957.3	1002.7	1049.0	1100.0	1200.6	1340.9	1495.4	1669.4	1813.0	1978.1
30°	818.1	814.2	833.3	861.7	905.3	983.1	1088.6	1240.4	1413.9	1630.3	1823.0
32.5°	721.0	721.3	735.6	756.6	792.8	845.3	917.7	1040.9	1204.9	1417.6	1643.6
35°	626.8	626.1	636.7	651.9	667.0	700.7	750.2	814.9	927.6	1126.3	1357.2
37.5°	559.2	562.1	567.3	576.8	593.6	612.3	642.0	685.4	765.8	883.2	1077.3
40°	521.2	522.5	529.8	537.7	547.6	562.1	586.5	621.6	680.3	774.0	915.8
42.5°	486.4	487.8	492.8	500.2	508.1	522.5	542.8	573.0	620.6	693.7	810.7
45°	435.5	435.5	440.1	443.4	451.9	465.1	481.6	506.7	539.7	593.8	671.7
47.5°	387.7	387.8	390.9	396.6	401.9	412.2	428.4	448.9	472.9	514.8	581.3
50°	360.2	360.9	362.9	367.5	370.8	380.0	392.6	410.4	435.5	467.8	523.2
52.5°	338.1	337.7	340.2	342.2	344.4	351.0	360.4	376.1	398.5	426.6	472.5
55°	302.2	299.5	303.5	306.8	308.8	311.4	316.7	326.6	345.7	369.5	403.8
57.5°	257.4	256.2	259.1	262.1	268.3	275.4	279.9	286.2	296.1	313.1	347.2
60°	220.3	220.3	226.3	228.3	235.6	244.8	254.0	259.3	269.2	280.4	305.5
62.5°	187.6	188.2	191.0	193.0	197.0	208.4	221.3	232.9	242.3	253.0	269.6
65°	157.0	158.3	158.3	159.6	162.3	165.0	170.2	179.4	196.0	211.1	223.7
67.5°	133.3	133.7	134.1	135.3	136.0	139.0	141.0	145.2	149.0	163.3	178.9
70°	117.4	119.4	118.7	120.1	120.7	122.1	124.7	126.7	132.6	136.0	145.2
72.5°	102.6	104.1	104.0	104.8	106.5	106.8	108.8	110.8	114.7	117.4	122.4
75°	83.2	82.5	83.2	84.5	85.2	85.8	85.8	88.4	90.4	93.0	96.3
77.5°	64.1	64.8	64.7	64.8	64.9	66.1	66.0	67.2	69.1	70.4	72.1
80°	51.5	52.1	51.5	52.1	52.8	53.5	52.8	53.5	55.4	56.7	56.7
82.5°	39.9	40.0	40.4	40.6	40.6	40.8	41.7	41.8	43.3	43.0	43.6
85°	23.8	23.1	23.1	23.1	23.8	24.5	23.8	23.8	24.5	24.5	24.5
87.5°	13.0	13.5	13.5	13.4	13.4	13.4	13.5	14.1	13.6	14.2	13.0
90°	22.9	22.7	22.6	22.5	22.3	22.4	22.6	23.0	23.2	23.6	20.2
92.5°	21.8	21.8	21.8	21.7	21.7	21.6	21.6	21.5	21.4	21.4	20.7
95°	41.8	42.0	42.4	42.6	43.0	43.0	43.0	43.0	43.0	43.0	42.8
97.5°	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	71.8
100°	92.2	92.4	92.5	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.4
102.5°	114.8	114.9	115.1	115.3	115.4	115.5	115.3	115.2	115.0	114.9	114.3
105°	149.4	149.4	149.4	149.4	149.4	149.3	149.0	148.7	148.4	148.1	147.7
107.5°	182.0	182.7	183.4	184.1	184.8	185.0	184.9	184.8	184.7	184.5	184.5
110°	207.2	207.8	208.2	208.6	209.1	209.3	209.3	209.3	209.3	209.3	209.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	231.5	231.9	232.1	232.5	232.8	233.2	233.5	233.8	234.3	234.6	234.7
115°	269.2	269.7	270.1	270.5	271.0	271.3	271.5	271.6	271.7	271.9	272.2
117.5°	305.1	305.6	306.0	306.5	306.9	307.3	307.7	308.1	308.4	308.8	309.6
120°	330.5	330.9	331.3	331.7	332.3	332.4	332.4	332.4	332.4	332.4	333.6
122.5°	355.2	355.5	355.9	356.2	356.5	356.9	357.2	357.6	357.9	358.3	359.1
125°	393.0	393.2	393.3	393.5	393.6	393.9	394.3	394.9	395.3	395.7	396.1
127.5°	427.5	428.0	428.4	429.0	429.4	429.9	430.4	431.0	431.5	432.0	432.6
130°	452.3	452.9	453.5	454.0	454.6	455.1	455.4	455.7	456.0	456.3	456.6
132.5°	476.0	476.4	476.9	477.3	477.9	478.5	479.1	479.7	480.4	481.0	481.0
135°	512.8	513.2	513.8	514.2	514.6	514.9	515.1	515.2	515.4	515.5	515.2
137.5°	546.2	546.8	547.4	548.0	548.6	549.0	549.1	549.2	549.3	549.4	549.1
140°	569.4	570.0	570.6	571.2	571.7	572.0	572.0	572.0	572.0	572.0	571.3
142.5°	590.4	591.0	591.5	592.1	592.7	593.0	592.9	592.7	592.6	592.5	592.0
145°	621.8	622.4	623.0	623.6	624.2	624.5	624.3	624.1	624.1	623.9	622.9
147.5°	650.0	650.6	651.1	651.7	652.3	652.4	652.0	651.7	651.3	651.1	650.5
150°	668.3	668.7	669.2	669.6	670.1	670.1	669.6	669.2	668.7	668.3	667.7
152.5°	685.5	686.0	686.6	687.3	687.8	687.8	687.3	686.6	686.0	685.5	684.8
155°	708.7	709.1	709.6	710.0	710.5	710.3	709.6	708.8	708.1	707.3	706.9
157.5°	728.6	729.3	730.0	730.7	731.4	731.3	730.3	729.3	728.2	727.2	726.9
160°	741.0	741.6	742.2	742.8	743.4	743.2	742.4	741.4	740.5	739.6	739.5
162.5°	751.7	752.4	753.2	753.9	754.6	754.5	753.5	752.4	751.4	750.4	750.3
165°	765.9	766.6	767.3	768.1	768.9	768.7	767.7	766.6	765.6	764.5	764.5
167.5°	777.5	778.3	779.0	779.8	780.6	780.4	779.4	778.3	777.3	776.2	776.3
170°	783.3	784.3	785.1	786.1	787.0	786.9	785.8	784.8	783.8	782.6	782.8
172.5°	788.2	789.1	790.0	790.9	791.8	791.7	790.7	789.6	788.6	787.6	787.7
175°	793.5	794.4	795.2	796.2	797.0	796.9	795.9	794.9	793.8	792.8	793.1
177.5°	795.9	796.6	797.3	798.1	798.7	798.7	798.1	797.3	796.6	795.9	796.1
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1944.3	1940.0	1936.4	1926.8	1922.1	1911.5	1910.0	1909.4	1895.7	1882.5	1878.8
5°	2011.0	2000.4	1984.7	1966.2	1947.1	1927.3	1914.1	1903.5	1877.1	1852.0	1837.5
7.5°	2078.4	2055.6	2028.3	1993.4	1964.2	1931.5	1907.2	1885.4	1848.0	1812.1	1787.9
10°	2128.5	2091.5	2055.2	2007.1	1969.5	1932.5	1898.2	1868.5	1826.3	1778.8	1745.2
12.5°	2159.6	2119.0	2069.0	2021.9	1973.2	1926.2	1880.3	1842.1	1792.5	1743.4	1703.5
15°	2201.7	2158.2	2097.5	2030.2	1967.5	1906.2	1853.4	1805.9	1741.2	1682.5	1633.7
17.5°	2236.2	2176.3	2111.1	2033.3	1960.7	1882.7	1814.7	1754.0	1682.0	1611.2	1553.7
20°	2247.2	2187.9	2112.6	2034.8	1949.0	1857.3	1784.1	1718.1	1640.9	1563.7	1497.7
22.5°	2240.4	2194.2	2110.6	2017.4	1929.5	1833.6	1750.8	1674.3	1588.6	1509.8	1433.3
25°	2193.8	2178.0	2098.8	1997.2	1896.9	1785.4	1689.7	1605.9	1508.3	1423.8	1340.7
27.5°	2085.2	2119.4	2070.3	1962.0	1850.5	1731.0	1623.5	1528.1	1426.8	1331.7	1248.9
30°	1980.7	2059.2	2038.1	1937.8	1813.1	1695.7	1574.9	1475.3	1367.1	1269.5	1187.7
32.5°	1837.6	1967.4	1988.0	1904.0	1775.1	1646.1	1519.5	1420.4	1307.4	1204.5	1124.8
35°	1609.9	1803.9	1892.9	1839.5	1710.2	1571.0	1440.3	1324.8	1211.3	1109.7	1030.6
37.5°	1338.2	1602.4	1750.8	1754.6	1635.9	1491.2	1348.8	1234.2	1118.1	1018.3	932.7
40°	1161.9	1448.2	1641.6	1684.5	1584.2	1427.8	1283.9	1167.2	1053.7	956.1	857.7
42.5°	1003.6	1288.8	1526.5	1601.0	1521.4	1366.1	1221.7	1099.6	989.3	896.9	796.5
45°	811.6	1060.9	1322.8	1456.1	1412.0	1268.1	1115.7	999.6	896.0	816.1	719.8
47.5°	684.6	860.4	1113.9	1294.1	1293.3	1162.0	1012.1	900.9	804.8	730.0	652.0
50°	612.3	765.3	979.8	1184.3	1201.4	1091.3	948.7	838.6	748.9	670.4	607.7
52.5°	547.3	673.5	866.3	1062.4	1111.2	1015.8	877.5	775.8	688.7	616.5	562.8
55°	462.5	560.2	706.6	890.0	964.0	896.6	774.0	678.9	608.3	547.6	501.4
57.5°	391.2	464.5	582.0	729.7	815.8	773.4	672.2	595.0	534.6	479.7	443.2
60°	346.4	406.4	506.1	629.5	724.4	694.7	608.3	536.4	484.9	437.5	403.1
62.5°	304.2	355.8	441.2	541.3	628.4	616.1	545.5	485.2	440.1	396.8	367.7
65°	244.8	282.4	349.0	427.6	497.5	503.4	452.6	411.7	371.4	337.2	311.4
67.5°	194.9	219.5	266.4	332.5	385.0	403.6	372.6	341.4	309.4	282.9	260.6
70°	164.3	184.1	218.3	271.8	320.0	339.8	322.0	297.6	269.8	248.1	228.9
72.5°	133.1	152.4	177.7	217.0	258.2	279.7	273.5	255.9	233.4	215.3	197.3
75°	100.3	106.2	123.4	149.8	182.1	200.6	205.2	196.0	178.1	164.3	153.7
77.5°	74.1	77.7	85.9	99.8	120.9	137.3	144.1	143.0	130.8	122.7	112.8
80°	59.4	61.4	65.3	71.3	87.1	103.6	108.2	108.2	99.6	96.3	86.4
82.5°	45.1	46.6	49.0	52.3	59.7	74.0	79.2	80.2	74.8	70.4	62.7
85°	25.7	25.1	26.4	28.4	29.7	33.7	41.6	42.9	41.6	36.2	34.3
87.5°	12.4	12.2	11.5	10.5	10.7	10.8	13.2	15.4	13.7	12.5	11.8
90°	17.0	13.7	10.4	7.8	6.0	4.3	2.5	0.7	2.5	4.3	6.0
92.5°	19.8	19.0	18.3	17.2	15.9	14.6	13.3	12.0	13.3	14.6	15.9
95°	42.4	42.2	41.8	41.0	39.5	38.0	36.5	35.0	36.5	38.0	39.5
97.5°	71.3	70.7	70.2	69.2	67.8	66.6	65.3	64.0	65.3	66.6	67.8
100°	92.0	91.5	91.1	90.2	89.0	87.8	86.7	85.5	86.7	87.8	89.0
102.5°	113.8	113.2	112.7	111.9	111.0	110.0	109.0	108.1	109.0	110.0	111.0
105°	147.5	147.1	146.9	146.5	146.0	145.6	145.2	144.7	145.2	145.6	146.0
107.5°	184.5	184.5	184.5	184.2	183.6	182.9	182.3	181.6	182.3	182.9	183.6
110°	209.3	209.3	209.3	208.9	207.9	207.1	206.1	205.3	206.1	207.1	207.9



TEST NUMBER: P331748-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	234.9	235.0	235.1	234.7	233.8	232.9	232.0	231.1	232.0	232.9	233.8
115°	272.5	272.8	273.1	272.8	271.9	271.0	270.1	269.2	270.1	271.0	271.9
117.5°	310.5	311.3	312.1	311.9	310.7	309.5	308.3	307.1	308.3	309.5	310.7
120°	334.8	336.0	337.3	337.3	336.0	334.8	333.6	332.4	333.6	334.8	336.0
122.5°	360.0	360.8	361.6	361.4	359.9	358.5	357.1	355.6	357.1	358.5	359.9
125°	396.6	397.1	397.5	397.1	395.7	394.3	393.0	391.7	393.0	394.3	395.7
127.5°	433.2	433.7	434.2	433.6	432.0	430.2	428.5	426.8	428.5	430.2	432.0
130°	456.8	457.2	457.4	456.7	454.7	452.8	450.8	448.9	450.8	452.8	454.7
132.5°	481.0	480.9	480.8	480.0	478.4	476.8	475.3	473.6	475.3	476.8	478.4
135°	514.9	514.6	514.3	513.3	511.7	510.1	508.4	506.8	508.4	510.1	511.7
137.5°	548.6	548.3	547.9	547.0	545.7	544.3	542.9	541.7	542.9	544.3	545.7
140°	570.6	569.8	569.0	568.0	566.6	565.3	564.0	562.7	564.0	565.3	566.6
142.5°	591.5	591.0	590.5	589.5	588.2	586.9	585.5	584.2	585.5	586.9	588.2
145°	622.1	621.2	620.3	619.3	618.3	617.3	616.1	615.1	616.1	617.3	618.3
147.5°	649.9	649.3	648.7	647.7	646.4	645.2	643.9	642.7	643.9	645.2	646.4
150°	667.1	666.5	665.9	665.1	664.3	663.3	662.5	661.6	662.5	663.3	664.3
152.5°	684.1	683.4	682.6	681.8	681.0	680.0	679.2	678.2	679.2	680.0	681.0
155°	706.5	705.9	705.5	705.1	704.6	704.2	703.7	703.3	703.7	704.2	704.6
157.5°	726.7	726.4	726.2	725.9	725.6	725.3	725.0	724.7	725.0	725.3	725.6
160°	739.3	739.2	739.0	738.8	738.5	738.2	737.9	737.6	737.9	738.2	738.5
162.5°	750.1	749.9	749.8	749.7	749.6	749.6	749.5	749.4	749.5	749.6	749.6
165°	764.5	764.5	764.5	764.6	764.7	764.9	765.1	765.2	765.1	764.9	764.7
167.5°	776.3	776.4	776.4	776.6	777.1	777.5	777.9	778.3	777.9	777.5	777.1
170°	783.0	783.2	783.3	783.6	784.0	784.5	785.0	785.4	785.0	784.5	784.0
172.5°	787.8	788.0	788.2	788.4	788.8	789.4	789.8	790.2	789.8	789.4	788.8
175°	793.4	793.7	794.0	794.4	794.8	795.2	795.7	796.2	795.7	795.2	794.8
177.5°	796.3	796.6	796.9	797.1	797.5	797.9	798.2	798.6	798.2	797.9	797.5
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331748-935

CATALOG NUMBER: SA2XXRDIP-C1005D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1872.0	1868.3	1861.4	1850.8	1844.5	1833.4	1826.0	1830.2	1831.3	1830.2	1829.2
5°	1821.7	1807.8	1788.7	1770.2	1753.1	1734.6	1724.1	1719.4	1710.2	1704.9	1702.3
7.5°	1760.8	1737.0	1709.9	1677.7	1650.4	1621.8	1607.1	1599.8	1581.0	1570.7	1561.7
10°	1715.5	1677.8	1650.8	1608.6	1582.9	1545.2	1519.5	1520.2	1494.4	1479.9	1469.4
12.5°	1665.3	1624.0	1579.0	1541.0	1505.3	1475.1	1444.0	1431.5	1404.2	1390.2	1361.7
15°	1582.2	1534.0	1486.5	1435.0	1398.8	1351.9	1307.1	1252.3	1208.1	1169.8	1159.3
17.5°	1491.4	1431.8	1384.1	1323.7	1261.5	1182.8	1130.8	1099.0	1072.3	1052.1	1037.1
20°	1429.1	1368.4	1317.6	1226.6	1142.7	1089.3	1051.0	1026.7	998.9	977.1	965.3
22.5°	1363.7	1300.3	1231.1	1129.5	1064.1	1021.2	987.1	959.1	940.3	923.3	912.5
25°	1270.7	1201.4	1087.4	1017.4	964.6	919.7	896.0	878.8	859.0	835.9	825.4
27.5°	1172.6	1062.4	980.4	928.4	878.0	848.9	827.5	801.9	784.2	773.8	762.8
30°	1099.2	989.0	925.1	868.3	832.7	800.3	775.2	760.8	743.6	725.7	718.5
32.5°	1017.4	929.4	868.1	820.8	784.6	757.1	737.3	713.8	701.4	690.4	675.2
35°	915.8	849.1	793.1	754.8	720.5	698.1	674.9	661.1	638.7	629.5	623.5
37.5°	829.7	772.0	730.1	689.7	662.5	637.7	623.6	601.6	591.9	579.0	566.5
40°	781.2	724.4	684.2	651.2	620.9	602.4	584.5	566.8	552.2	546.3	531.2
42.5°	731.6	685.4	645.1	609.0	588.7	569.1	546.6	533.5	518.5	508.9	499.5
45°	663.1	622.2	587.9	558.2	535.7	515.3	500.8	479.0	470.5	451.3	443.4
47.5°	603.0	564.9	532.2	503.9	482.1	468.7	447.5	430.4	416.7	405.0	394.9
50°	560.2	528.5	496.8	471.7	451.9	432.8	411.0	402.4	381.3	375.4	369.5
52.5°	521.1	491.0	462.0	437.5	417.7	399.1	379.9	368.7	354.5	348.5	344.1
55°	466.5	437.5	409.7	388.0	368.2	349.0	337.2	323.3	316.7	312.1	306.8
57.5°	411.6	385.5	364.2	342.2	322.3	307.0	293.3	285.0	278.2	272.1	265.8
60°	376.8	351.6	332.5	312.1	291.6	279.1	268.5	258.6	250.7	241.5	238.8
62.5°	339.8	317.9	300.3	280.4	262.6	251.2	241.1	231.7	222.2	208.8	205.1
65°	289.0	271.8	253.4	236.9	221.0	209.8	195.3	184.8	180.8	179.4	178.8
67.5°	243.1	226.9	211.0	194.1	179.7	169.3	162.0	160.3	157.6	156.8	154.9
70°	212.5	197.3	181.4	165.6	151.8	149.8	147.1	144.5	141.2	139.9	138.5
72.5°	185.0	169.3	153.4	140.8	134.8	132.3	129.8	127.1	124.8	123.6	122.7
75°	141.9	127.3	116.8	112.2	108.8	106.9	102.9	100.9	99.6	97.6	96.9
77.5°	102.1	93.9	89.1	86.2	82.7	80.6	78.4	76.4	75.0	74.6	73.5
80°	77.8	73.9	70.6	66.6	65.3	62.7	62.0	60.0	60.7	58.7	58.7
82.5°	60.4	55.4	52.7	50.8	49.5	47.4	46.8	45.8	45.9	44.4	44.4
85°	31.0	29.7	28.4	27.0	27.0	25.1	25.7	25.1	25.1	23.8	23.1
87.5°	11.6	11.5	11.2	11.9	12.5	12.7	12.6	12.0	11.9	11.9	11.3
90°	7.8	10.4	13.7	17.0	20.2	23.6	23.2	23.0	22.6	22.4	22.3
92.5°	17.2	18.3	19.0	19.8	20.7	21.4	21.4	21.5	21.6	21.6	21.7
95°	41.0	41.8	42.2	42.4	42.8	43.0	43.0	43.0	43.0	43.0	43.0
97.5°	69.2	70.2	70.7	71.3	71.8	72.4	72.4	72.4	72.4	72.4	72.4
100°	90.2	91.1	91.5	92.0	92.4	92.9	92.9	92.9	92.9	92.9	92.8
102.5°	111.9	112.7	113.2	113.8	114.3	114.9	115.0	115.2	115.3	115.5	115.4
105°	146.5	146.9	147.1	147.5	147.7	148.1	148.4	148.7	149.0	149.3	149.4
107.5°	184.2	184.5	184.5	184.5	184.5	184.5	184.7	184.8	184.9	185.0	184.8
110°	208.9	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.1



TEST NUMBER: P331748-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	234.7	235.1	235.0	234.9	234.7	234.6	234.3	233.8	233.5	233.2	232.8
115°	272.8	273.1	272.8	272.5	272.2	271.9	271.7	271.6	271.5	271.3	271.0
117.5°	311.9	312.1	311.3	310.5	309.6	308.8	308.4	308.1	307.7	307.3	306.9
120°	337.3	337.3	336.0	334.8	333.6	332.4	332.4	332.4	332.4	332.4	332.3
122.5°	361.4	361.6	360.8	360.0	359.1	358.3	357.9	357.6	357.2	356.9	356.5
125°	397.1	397.5	397.1	396.6	396.1	395.7	395.3	394.9	394.3	393.9	393.6
127.5°	433.6	434.2	433.7	433.2	432.6	432.0	431.5	431.0	430.4	429.9	429.4
130°	456.7	457.4	457.2	456.8	456.6	456.3	456.0	455.7	455.4	455.1	454.6
132.5°	480.0	480.8	480.9	481.0	481.0	481.0	480.4	479.7	479.1	478.5	477.9
135°	513.3	514.3	514.6	514.9	515.2	515.5	515.4	515.2	515.1	514.9	514.6
137.5°	547.0	547.9	548.3	548.6	549.1	549.4	549.3	549.2	549.1	549.0	548.6
140°	568.0	569.0	569.8	570.6	571.3	572.0	572.0	572.0	572.0	572.0	571.7
142.5°	589.5	590.5	591.0	591.5	592.0	592.5	592.6	592.7	592.9	593.0	592.7
145°	619.3	620.3	621.2	622.1	622.9	623.9	624.1	624.1	624.3	624.5	624.2
147.5°	647.7	648.7	649.3	649.9	650.5	651.1	651.3	651.7	652.0	652.4	652.3
150°	665.1	665.9	666.5	667.1	667.7	668.3	668.7	669.2	669.6	670.1	670.1
152.5°	681.8	682.6	683.4	684.1	684.8	685.5	686.0	686.6	687.3	687.8	687.8
155°	705.1	705.5	705.9	706.5	706.9	707.3	708.1	708.8	709.6	710.3	710.5
157.5°	725.9	726.2	726.4	726.7	726.9	727.2	728.2	729.3	730.3	731.3	731.4
160°	738.8	739.0	739.2	739.3	739.5	739.6	740.5	741.4	742.4	743.2	743.4
162.5°	749.7	749.8	749.9	750.1	750.3	750.4	751.4	752.4	753.5	754.5	754.6
165°	764.6	764.5	764.5	764.5	764.5	764.5	765.6	766.6	767.7	768.7	768.9
167.5°	776.6	776.4	776.4	776.3	776.3	776.2	777.3	778.3	779.4	780.4	780.6
170°	783.6	783.3	783.2	783.0	782.8	782.6	783.8	784.8	785.8	786.9	787.0
172.5°	788.4	788.2	788.0	787.8	787.7	787.6	788.6	789.6	790.7	791.7	791.8
175°	794.4	794.0	793.7	793.4	793.1	792.8	793.8	794.9	795.9	796.9	797.0
177.5°	797.1	796.9	796.6	796.3	796.1	795.9	796.6	797.3	798.1	798.7	798.7
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331748-935

CATALOG NUMBER: SA2XXRDIP-C1005D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1823.4	1824.5	1822.9	1823.9	1822.9	1824.5	1823.4	1829.2	1830.2	1831.3	1830.2
5°	1698.9	1691.0	1689.7	1687.7	1689.7	1691.0	1698.9	1702.3	1704.9	1710.2	1719.4
7.5°	1550.4	1549.2	1545.9	1541.3	1545.9	1549.2	1550.4	1561.7	1570.7	1581.0	1599.8
10°	1454.8	1451.6	1450.9	1446.2	1450.9	1451.6	1454.8	1469.4	1479.9	1494.4	1520.2
12.5°	1342.9	1321.7	1319.5	1307.9	1319.5	1321.7	1342.9	1361.7	1390.2	1404.2	1431.5
15°	1143.4	1139.4	1126.3	1117.7	1126.3	1139.4	1143.4	1159.3	1169.8	1208.1	1252.3
17.5°	1029.4	1016.5	1012.4	1010.6	1012.4	1016.5	1029.4	1037.1	1052.1	1072.3	1099.0
20°	956.1	944.2	942.2	940.9	942.2	944.2	956.1	965.3	977.1	998.9	1026.7
22.5°	905.3	892.9	887.8	883.8	887.8	892.9	905.3	912.5	923.3	940.3	959.1
25°	818.8	814.2	811.6	810.2	811.6	814.2	818.8	825.4	835.9	859.0	878.8
27.5°	751.1	741.0	739.0	735.6	739.0	741.0	751.1	762.8	773.8	784.2	801.9
30°	712.6	709.3	704.6	700.7	704.6	709.3	712.6	718.5	725.7	743.6	760.8
32.5°	667.2	664.4	660.3	658.5	660.3	664.4	667.2	675.2	690.4	701.4	713.8
35°	616.9	607.7	603.7	597.8	603.7	607.7	616.9	623.5	629.5	638.7	661.1
37.5°	563.7	558.9	553.3	555.3	553.3	558.9	563.7	566.5	579.0	591.9	601.6
40°	522.5	519.3	518.0	517.3	518.0	519.3	522.5	531.2	546.3	552.2	566.8
42.5°	489.8	480.7	477.3	477.2	477.3	480.7	489.8	499.5	508.9	518.5	533.5
45°	440.1	431.5	425.6	426.2	425.6	431.5	440.1	443.4	451.3	470.5	479.0
47.5°	389.2	388.9	385.2	386.3	385.2	388.9	389.2	394.9	405.0	416.7	430.4
50°	364.9	360.9	358.3	359.0	358.3	360.9	364.9	369.5	375.4	381.3	402.4
52.5°	341.6	338.2	336.1	338.9	336.1	338.2	341.6	344.1	348.5	354.5	368.7
55°	303.5	299.5	298.9	298.3	298.9	299.5	303.5	306.8	312.1	316.7	323.3
57.5°	260.9	258.2	254.3	252.5	254.3	258.2	260.9	265.8	272.1	278.2	285.0
60°	230.2	225.0	218.3	217.7	218.3	225.0	230.2	238.8	241.5	250.7	258.6
62.5°	202.2	201.2	199.9	199.8	199.9	201.2	202.2	205.1	208.8	222.2	231.7
65°	177.5	176.8	177.5	178.1	177.5	176.8	177.5	178.8	179.4	180.8	184.8
67.5°	154.6	153.4	152.3	152.8	152.3	153.4	154.6	154.9	156.8	157.6	160.3
70°	137.2	136.6	136.0	136.0	136.0	136.6	137.2	138.5	139.9	141.2	144.5
72.5°	120.4	120.2	119.6	119.0	119.6	120.2	120.4	122.7	123.6	124.8	127.1
75°	96.3	95.0	95.0	95.0	95.0	95.0	96.3	96.9	97.6	99.6	100.9
77.5°	73.4	72.7	72.1	71.5	72.1	72.7	73.4	73.5	74.6	75.0	76.4
80°	58.0	57.4	56.7	56.7	56.7	57.4	58.0	58.7	58.7	60.7	60.0
82.5°	44.3	43.7	43.6	43.0	43.6	43.7	44.3	44.4	44.4	45.9	45.8
85°	23.8	24.5	23.8	25.1	23.8	24.5	23.8	23.1	23.8	25.1	25.1
87.5°	11.4	10.8	11.5	10.9	11.5	10.8	11.4	11.3	11.9	11.9	12.0
90°	22.5	22.6	22.7	22.9	22.7	22.6	22.5	22.3	22.4	22.6	23.0
92.5°	21.7	21.8	21.8	21.8	21.8	21.8	21.7	21.7	21.6	21.6	21.5
95°	42.6	42.4	42.0	41.8	42.0	42.4	42.6	43.0	43.0	43.0	43.0
97.5°	72.4	72.3	72.3	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4
100°	92.6	92.5	92.4	92.2	92.4	92.5	92.6	92.8	92.9	92.9	92.9
102.5°	115.3	115.1	114.9	114.8	114.9	115.1	115.3	115.4	115.5	115.3	115.2
105°	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.3	149.0	148.7
107.5°	184.1	183.4	182.7	182.0	182.7	183.4	184.1	184.8	185.0	184.9	184.8
110°	208.6	208.2	207.8	207.2	207.8	208.2	208.6	209.1	209.3	209.3	209.3



TEST NUMBER: P331748-935

CATALOG NUMBER: SA2XXRDIP-C1005D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	232.5	232.1	231.9	231.5	231.9	232.1	232.5	232.8	233.2	233.5	233.8
115°	270.5	270.1	269.7	269.2	269.7	270.1	270.5	271.0	271.3	271.5	271.6
117.5°	306.5	306.0	305.6	305.1	305.6	306.0	306.5	306.9	307.3	307.7	308.1
120°	331.7	331.3	330.9	330.5	330.9	331.3	331.7	332.3	332.4	332.4	332.4
122.5°	356.2	355.9	355.5	355.2	355.5	355.9	356.2	356.5	356.9	357.2	357.6
125°	393.5	393.3	393.2	393.0	393.2	393.3	393.5	393.6	393.9	394.3	394.9
127.5°	429.0	428.4	428.0	427.5	428.0	428.4	429.0	429.4	429.9	430.4	431.0
130°	454.0	453.5	452.9	452.3	452.9	453.5	454.0	454.6	455.1	455.4	455.7
132.5°	477.3	476.9	476.4	476.0	476.4	476.9	477.3	477.9	478.5	479.1	479.7
135°	514.2	513.8	513.2	512.8	513.2	513.8	514.2	514.6	514.9	515.1	515.2
137.5°	548.0	547.4	546.8	546.2	546.8	547.4	548.0	548.6	549.0	549.1	549.2
140°	571.2	570.6	570.0	569.4	570.0	570.6	571.2	571.7	572.0	572.0	572.0
142.5°	592.1	591.5	591.0	590.4	591.0	591.5	592.1	592.7	593.0	592.9	592.7
145°	623.6	623.0	622.4	621.8	622.4	623.0	623.6	624.2	624.5	624.3	624.1
147.5°	651.7	651.1	650.6	650.0	650.6	651.1	651.7	652.3	652.4	652.0	651.7
150°	669.6	669.2	668.7	668.3	668.7	669.2	669.6	670.1	670.1	669.6	669.2
152.5°	687.3	686.6	686.0	685.5	686.0	686.6	687.3	687.8	687.8	687.3	686.6
155°	710.0	709.6	709.1	708.7	709.1	709.6	710.0	710.5	710.3	709.6	708.8
157.5°	730.7	730.0	729.3	728.6	729.3	730.0	730.7	731.4	731.3	730.3	729.3
160°	742.8	742.2	741.6	741.0	741.6	742.2	742.8	743.4	743.2	742.4	741.4
162.5°	753.9	753.2	752.4	751.7	752.4	753.2	753.9	754.6	754.5	753.5	752.4
165°	768.1	767.3	766.6	765.9	766.6	767.3	768.1	768.9	768.7	767.7	766.6
167.5°	779.8	779.0	778.3	777.5	778.3	779.0	779.8	780.6	780.4	779.4	778.3
170°	786.1	785.1	784.3	783.3	784.3	785.1	786.1	787.0	786.9	785.8	784.8
172.5°	790.9	790.0	789.1	788.2	789.1	790.0	790.9	791.8	791.7	790.7	789.6
175°	796.2	795.2	794.4	793.5	794.4	795.2	796.2	797.0	796.9	795.9	794.9
177.5°	798.1	797.3	796.6	795.9	796.6	797.3	798.1	798.7	798.7	798.1	797.3
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331748-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1826.0	1833.4	1844.5	1850.8	1861.4	1868.3	1872.0	1878.8	1882.5	1895.7	1909.4
5°	1724.1	1734.6	1753.1	1770.2	1788.7	1807.8	1821.7	1837.5	1852.0	1877.1	1903.5
7.5°	1607.1	1621.8	1650.4	1677.7	1709.9	1737.0	1760.8	1787.9	1812.1	1848.0	1885.4
10°	1519.5	1545.2	1582.9	1608.6	1650.8	1677.8	1715.5	1745.2	1778.8	1826.3	1868.5
12.5°	1444.0	1475.1	1505.3	1541.0	1579.0	1624.0	1665.3	1703.5	1743.4	1792.5	1842.1
15°	1307.1	1351.9	1398.8	1435.0	1486.5	1534.0	1582.2	1633.7	1682.5	1741.2	1805.9
17.5°	1130.8	1182.8	1261.5	1323.7	1384.1	1431.8	1491.4	1553.7	1611.2	1682.0	1754.0
20°	1051.0	1089.3	1142.7	1226.6	1317.6	1368.4	1429.1	1497.7	1563.7	1640.9	1718.1
22.5°	987.1	1021.2	1064.1	1129.5	1231.1	1300.3	1363.7	1433.3	1509.8	1588.6	1674.3
25°	896.0	919.7	964.6	1017.4	1087.4	1201.4	1270.7	1340.7	1423.8	1508.3	1605.9
27.5°	827.5	848.9	878.0	928.4	980.4	1062.4	1172.6	1248.9	1331.7	1426.8	1528.1
30°	775.2	800.3	832.7	868.3	925.1	989.0	1099.2	1187.7	1269.5	1367.1	1475.3
32.5°	737.3	757.1	784.6	820.8	868.1	929.4	1017.4	1124.8	1204.5	1307.4	1420.4
35°	674.9	698.1	720.5	754.8	793.1	849.1	915.8	1030.6	1109.7	1211.3	1324.8
37.5°	623.6	637.7	662.5	689.7	730.1	772.0	829.7	932.7	1018.3	1118.1	1234.2
40°	584.5	602.4	620.9	651.2	684.2	724.4	781.2	857.7	956.1	1053.7	1167.2
42.5°	546.6	569.1	588.7	609.0	645.1	685.4	731.6	796.5	896.9	989.3	1099.6
45°	500.8	515.3	535.7	558.2	587.9	622.2	663.1	719.8	816.1	896.0	999.6
47.5°	447.5	468.7	482.1	503.9	532.2	564.9	603.0	652.0	730.0	804.8	900.9
50°	411.0	432.8	451.9	471.7	496.8	528.5	560.2	607.7	670.4	748.9	838.6
52.5°	379.9	399.1	417.7	437.5	462.0	491.0	521.1	562.8	616.5	688.7	775.8
55°	337.2	349.0	368.2	388.0	409.7	437.5	466.5	501.4	547.6	608.3	678.9
57.5°	293.3	307.0	322.3	342.2	364.2	385.5	411.6	443.2	479.7	534.6	595.0
60°	268.5	279.1	291.6	312.1	332.5	351.6	376.8	403.1	437.5	484.9	536.4
62.5°	241.1	251.2	262.6	280.4	300.3	317.9	339.8	367.7	396.8	440.1	485.2
65°	195.3	209.8	221.0	236.9	253.4	271.8	289.0	311.4	337.2	371.4	411.7
67.5°	162.0	169.3	179.7	194.1	211.0	226.9	243.1	260.6	282.9	309.4	341.4
70°	147.1	149.8	151.8	165.6	181.4	197.3	212.5	228.9	248.1	269.8	297.6
72.5°	129.8	132.3	134.8	140.8	153.4	169.3	185.0	197.3	215.3	233.4	255.9
75°	102.9	106.9	108.8	112.2	116.8	127.3	141.9	153.7	164.3	178.1	196.0
77.5°	78.4	80.6	82.7	86.2	89.1	93.9	102.1	112.8	122.7	130.8	143.0
80°	62.0	62.7	65.3	66.6	70.6	73.9	77.8	86.4	96.3	99.6	108.2
82.5°	46.8	47.4	49.5	50.8	52.7	55.4	60.4	62.7	70.4	74.8	80.2
85°	25.7	25.1	27.0	27.0	28.4	29.7	31.0	34.3	36.2	41.6	42.9
87.5°	12.6	12.7	12.5	11.9	11.2	11.5	11.6	11.8	12.5	13.7	15.4
90°	23.2	23.6	20.2	17.0	13.7	10.4	7.8	6.0	4.3	2.5	0.7
92.5°	21.4	21.4	20.7	19.8	19.0	18.3	17.2	15.9	14.6	13.3	12.0
95°	43.0	43.0	42.8	42.4	42.2	41.8	41.0	39.5	38.0	36.5	35.0
97.5°	72.4	72.4	71.8	71.3	70.7	70.2	69.2	67.8	66.6	65.3	64.0
100°	92.9	92.9	92.4	92.0	91.5	91.1	90.2	89.0	87.8	86.7	85.5
102.5°	115.0	114.9	114.3	113.8	113.2	112.7	111.9	111.0	110.0	109.0	108.1
105°	148.4	148.1	147.7	147.5	147.1	146.9	146.5	146.0	145.6	145.2	144.7
107.5°	184.7	184.5	184.5	184.5	184.5	184.5	184.2	183.6	182.9	182.3	181.6
110°	209.3	209.3	209.3	209.3	209.3	209.3	208.9	207.9	207.1	206.1	205.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	234.3	234.6	234.7	234.9	235.0	235.1	234.7	233.8	232.9	232.0	231.1
115°	271.7	271.9	272.2	272.5	272.8	273.1	272.8	271.9	271.0	270.1	269.2
117.5°	308.4	308.8	309.6	310.5	311.3	312.1	311.9	310.7	309.5	308.3	307.1
120°	332.4	332.4	333.6	334.8	336.0	337.3	337.3	336.0	334.8	333.6	332.4
122.5°	357.9	358.3	359.1	360.0	360.8	361.6	361.4	359.9	358.5	357.1	355.6
125°	395.3	395.7	396.1	396.6	397.1	397.5	397.1	395.7	394.3	393.0	391.7
127.5°	431.5	432.0	432.6	433.2	433.7	434.2	433.6	432.0	430.2	428.5	426.8
130°	456.0	456.3	456.6	456.8	457.2	457.4	456.7	454.7	452.8	450.8	448.9
132.5°	480.4	481.0	481.0	481.0	480.9	480.8	480.0	478.4	476.8	475.3	473.6
135°	515.4	515.5	515.2	514.9	514.6	514.3	513.3	511.7	510.1	508.4	506.8
137.5°	549.3	549.4	549.1	548.6	548.3	547.9	547.0	545.7	544.3	542.9	541.7
140°	572.0	572.0	571.3	570.6	569.8	569.0	568.0	566.6	565.3	564.0	562.7
142.5°	592.6	592.5	592.0	591.5	591.0	590.5	589.5	588.2	586.9	585.5	584.2
145°	624.1	623.9	622.9	622.1	621.2	620.3	619.3	618.3	617.3	616.1	615.1
147.5°	651.3	651.1	650.5	649.9	649.3	648.7	647.7	646.4	645.2	643.9	642.7
150°	668.7	668.3	667.7	667.1	666.5	665.9	665.1	664.3	663.3	662.5	661.6
152.5°	686.0	685.5	684.8	684.1	683.4	682.6	681.8	681.0	680.0	679.2	678.2
155°	708.1	707.3	706.9	706.5	705.9	705.5	705.1	704.6	704.2	703.7	703.3
157.5°	728.2	727.2	726.9	726.7	726.4	726.2	725.9	725.6	725.3	725.0	724.7
160°	740.5	739.6	739.5	739.3	739.2	739.0	738.8	738.5	738.2	737.9	737.6
162.5°	751.4	750.4	750.3	750.1	749.9	749.8	749.7	749.6	749.6	749.5	749.4
165°	765.6	764.5	764.5	764.5	764.5	764.5	764.6	764.7	764.9	765.1	765.2
167.5°	777.3	776.2	776.3	776.3	776.4	776.4	776.6	777.1	777.5	777.9	778.3
170°	783.8	782.6	782.8	783.0	783.2	783.3	783.6	784.0	784.5	785.0	785.4
172.5°	788.6	787.6	787.7	787.8	788.0	788.2	788.4	788.8	789.4	789.8	790.2
175°	793.8	792.8	793.1	793.4	793.7	794.0	794.4	794.8	795.2	795.7	796.2
177.5°	796.6	795.9	796.1	796.3	796.6	796.9	797.1	797.5	797.9	798.2	798.6
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



TEST NUMBER: P331748-935

CATALOG NUMBER: SA2XXRDIP-C1005D725U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1910.0	1911.5	1922.1	1926.8	1936.4	1940.0	1944.3	1943.2	1943.2	1945.3	1960.1
5°	1914.1	1927.3	1947.1	1966.2	1984.7	2000.4	2011.0	2021.6	2025.6	2044.7	2061.8
7.5°	1907.2	1931.5	1964.2	1993.4	2028.3	2055.6	2078.4	2098.8	2112.8	2140.6	2169.1
10°	1898.2	1932.5	1969.5	2007.1	2055.2	2091.5	2128.5	2156.9	2166.1	2207.7	2231.5
12.5°	1880.3	1926.2	1973.2	2021.9	2069.0	2119.0	2159.6	2188.0	2220.4	2257.8	2301.6
15°	1853.4	1906.2	1967.5	2030.2	2097.5	2158.2	2201.7	2251.2	2286.8	2327.7	2366.0
17.5°	1814.7	1882.7	1960.7	2033.3	2111.1	2176.3	2236.2	2283.6	2308.8	2332.1	2337.8
20°	1784.1	1857.3	1949.0	2034.8	2112.6	2187.9	2247.2	2286.8	2293.4	2294.0	2259.1
22.5°	1750.8	1833.6	1929.5	2017.4	2110.6	2194.2	2240.4	2257.3	2231.1	2186.4	2118.7
25°	1689.7	1785.4	1896.9	1997.2	2098.8	2178.0	2193.8	2164.1	2072.4	1976.1	1854.0
27.5°	1623.5	1731.0	1850.5	1962.0	2070.3	2119.4	2085.2	1978.1	1813.0	1669.4	1495.4
30°	1574.9	1695.7	1813.1	1937.8	2038.1	2059.2	1980.7	1823.0	1630.3	1413.9	1240.4
32.5°	1519.5	1646.1	1775.1	1904.0	1988.0	1967.4	1837.6	1643.6	1417.6	1204.9	1040.9
35°	1440.3	1571.0	1710.2	1839.5	1892.9	1803.9	1609.9	1357.2	1126.3	927.6	814.9
37.5°	1348.8	1491.2	1635.9	1754.6	1750.8	1602.4	1338.2	1077.3	883.2	765.8	685.4
40°	1283.9	1427.8	1584.2	1684.5	1641.6	1448.2	1161.9	915.8	774.0	680.3	621.6
42.5°	1221.7	1366.1	1521.4	1601.0	1526.5	1288.8	1003.6	810.7	693.7	620.6	573.0
45°	1115.7	1268.1	1412.0	1456.1	1322.8	1060.9	811.6	671.7	593.8	539.7	506.7
47.5°	1012.1	1162.0	1293.3	1294.1	1113.9	860.4	684.6	581.3	514.8	472.9	448.9
50°	948.7	1091.3	1201.4	1184.3	979.8	765.3	612.3	523.2	467.8	435.5	410.4
52.5°	877.5	1015.8	1111.2	1062.4	866.3	673.5	547.3	472.5	426.6	398.5	376.1
55°	774.0	896.6	964.0	890.0	706.6	560.2	462.5	403.8	369.5	345.7	326.6
57.5°	672.2	773.4	815.8	729.7	582.0	464.5	391.2	347.2	313.1	296.1	286.2
60°	608.3	694.7	724.4	629.5	506.1	406.4	346.4	305.5	280.4	269.2	259.3
62.5°	545.5	616.1	628.4	541.3	441.2	355.8	304.2	269.6	253.0	242.3	232.9
65°	452.6	503.4	497.5	427.6	349.0	282.4	244.8	223.7	211.1	196.0	179.4
67.5°	372.6	403.6	385.0	332.5	266.4	219.5	194.9	178.9	163.3	149.0	145.2
70°	322.0	339.8	320.0	271.8	218.3	184.1	164.3	145.2	136.0	132.6	126.7
72.5°	273.5	279.7	258.2	217.0	177.7	152.4	133.1	122.4	117.4	114.7	110.8
75°	205.2	200.6	182.1	149.8	123.4	106.2	100.3	96.3	93.0	90.4	88.4
77.5°	144.1	137.3	120.9	99.8	85.9	77.7	74.1	72.1	70.4	69.1	67.2
80°	108.2	103.6	87.1	71.3	65.3	61.4	59.4	56.7	56.7	55.4	53.5
82.5°	79.2	74.0	59.7	52.3	49.0	46.6	45.1	43.6	43.0	43.3	41.8
85°	41.6	33.7	29.7	28.4	26.4	25.1	25.7	24.5	24.5	24.5	23.8
87.5°	13.2	10.8	10.7	10.5	11.5	12.2	12.4	13.0	14.2	13.6	14.1
90°	2.5	4.3	6.0	7.8	10.4	13.7	17.0	20.2	23.6	23.2	23.0
92.5°	13.3	14.6	15.9	17.2	18.3	19.0	19.8	20.7	21.4	21.4	21.5
95°	36.5	38.0	39.5	41.0	41.8	42.2	42.4	42.8	43.0	43.0	43.0
97.5°	65.3	66.6	67.8	69.2	70.2	70.7	71.3	71.8	72.4	72.4	72.4
100°	86.7	87.8	89.0	90.2	91.1	91.5	92.0	92.4	92.9	92.9	92.9
102.5°	109.0	110.0	111.0	111.9	112.7	113.2	113.8	114.3	114.9	115.0	115.2
105°	145.2	145.6	146.0	146.5	146.9	147.1	147.5	147.7	148.1	148.4	148.7
107.5°	182.3	182.9	183.6	184.2	184.5	184.5	184.5	184.5	184.5	184.7	184.8
110°	206.1	207.1	207.9	208.9	209.3	209.3	209.3	209.3	209.3	209.3	209.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	232.0	232.9	233.8	234.7	235.1	235.0	234.9	234.7	234.6	234.3	233.8
115°	270.1	271.0	271.9	272.8	273.1	272.8	272.5	272.2	271.9	271.7	271.6
117.5°	308.3	309.5	310.7	311.9	312.1	311.3	310.5	309.6	308.8	308.4	308.1
120°	333.6	334.8	336.0	337.3	337.3	336.0	334.8	333.6	332.4	332.4	332.4
122.5°	357.1	358.5	359.9	361.4	361.6	360.8	360.0	359.1	358.3	357.9	357.6
125°	393.0	394.3	395.7	397.1	397.5	397.1	396.6	396.1	395.7	395.3	394.9
127.5°	428.5	430.2	432.0	433.6	434.2	433.7	433.2	432.6	432.0	431.5	431.0
130°	450.8	452.8	454.7	456.7	457.4	457.2	456.8	456.6	456.3	456.0	455.7
132.5°	475.3	476.8	478.4	480.0	480.8	480.9	481.0	481.0	481.0	480.4	479.7
135°	508.4	510.1	511.7	513.3	514.3	514.6	514.9	515.2	515.5	515.4	515.2
137.5°	542.9	544.3	545.7	547.0	547.9	548.3	548.6	549.1	549.4	549.3	549.2
140°	564.0	565.3	566.6	568.0	569.0	569.8	570.6	571.3	572.0	572.0	572.0
142.5°	585.5	586.9	588.2	589.5	590.5	591.0	591.5	592.0	592.5	592.6	592.7
145°	616.1	617.3	618.3	619.3	620.3	621.2	622.1	622.9	623.9	624.1	624.1
147.5°	643.9	645.2	646.4	647.7	648.7	649.3	649.9	650.5	651.1	651.3	651.7
150°	662.5	663.3	664.3	665.1	665.9	666.5	667.1	667.7	668.3	668.7	669.2
152.5°	679.2	680.0	681.0	681.8	682.6	683.4	684.1	684.8	685.5	686.0	686.6
155°	703.7	704.2	704.6	705.1	705.5	705.9	706.5	706.9	707.3	708.1	708.8
157.5°	725.0	725.3	725.6	725.9	726.2	726.4	726.7	726.9	727.2	728.2	729.3
160°	737.9	738.2	738.5	738.8	739.0	739.2	739.3	739.5	739.6	740.5	741.4
162.5°	749.5	749.6	749.6	749.7	749.8	749.9	750.1	750.3	750.4	751.4	752.4
165°	765.1	764.9	764.7	764.6	764.5	764.5	764.5	764.5	764.5	765.6	766.6
167.5°	777.9	777.5	777.1	776.6	776.4	776.4	776.3	776.3	776.2	777.3	778.3
170°	785.0	784.5	784.0	783.6	783.3	783.2	783.0	782.8	782.6	783.8	784.8
172.5°	789.8	789.4	788.8	788.4	788.2	788.0	787.8	787.7	787.6	788.6	789.6
175°	795.7	795.2	794.8	794.4	794.0	793.7	793.4	793.1	792.8	793.8	794.9
177.5°	798.2	797.9	797.5	797.1	796.9	796.6	796.3	796.1	795.9	796.6	797.3
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5	797.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1965.4	1972.2	1975.4	1975.4	1979.1	1977.5	1975.9
5°	2078.4	2090.9	2093.5	2105.4	2113.9	2111.3	2112.6
7.5°	2190.6	2210.8	2230.8	2239.9	2241.3	2246.6	2248.6
10°	2259.8	2276.3	2307.3	2302.7	2325.7	2339.0	2317.2
12.5°	2326.2	2348.5	2370.1	2376.0	2389.1	2393.3	2384.7
15°	2386.4	2398.3	2399.7	2396.3	2400.3	2397.0	2384.5
17.5°	2330.2	2311.0	2271.9	2253.4	2238.8	2217.2	2208.5
20°	2237.3	2180.6	2114.6	2088.3	2057.2	1996.5	2011.0
22.5°	2036.8	1972.1	1906.2	1829.1	1792.3	1734.7	1731.3
25°	1724.7	1613.2	1490.5	1404.7	1354.5	1297.2	1272.0
27.5°	1340.9	1200.6	1100.0	1049.0	1002.7	957.3	955.4
30°	1088.6	983.1	905.3	861.7	833.3	814.2	818.1
32.5°	917.7	845.3	792.8	756.6	735.6	721.3	721.0
35°	750.2	700.7	667.0	651.9	636.7	626.1	626.8
37.5°	642.0	612.3	593.6	576.8	567.3	562.1	559.2
40°	586.5	562.1	547.6	537.7	529.8	522.5	521.2
42.5°	542.8	522.5	508.1	500.2	492.8	487.8	486.4
45°	481.6	465.1	451.9	443.4	440.1	435.5	435.5
47.5°	428.4	412.2	401.9	396.6	390.9	387.8	387.7
50°	392.6	380.0	370.8	367.5	362.9	360.9	360.2
52.5°	360.4	351.0	344.4	342.2	340.2	337.7	338.1
55°	316.7	311.4	308.8	306.8	303.5	299.5	302.2
57.5°	279.9	275.4	268.3	262.1	259.1	256.2	257.4
60°	254.0	244.8	235.6	228.3	226.3	220.3	220.3
62.5°	221.3	208.4	197.0	193.0	191.0	188.2	187.6
65°	170.2	165.0	162.3	159.6	158.3	158.3	157.0
67.5°	141.0	139.0	136.0	135.3	134.1	133.7	133.3
70°	124.7	122.1	120.7	120.1	118.7	119.4	117.4
72.5°	108.8	106.8	106.5	104.8	104.0	104.1	102.6
75°	85.8	85.8	85.2	84.5	83.2	82.5	83.2
77.5°	66.0	66.1	64.9	64.8	64.7	64.8	64.1
80°	52.8	53.5	52.8	52.1	51.5	52.1	51.5
82.5°	41.7	40.8	40.6	40.6	40.4	40.0	39.9
85°	23.8	24.5	23.8	23.1	23.1	23.1	23.8
87.5°	13.5	13.4	13.4	13.4	13.5	13.5	13.0
90°	22.6	22.4	22.3	22.5	22.6	22.7	22.9
92.5°	21.6	21.6	21.7	21.7	21.8	21.8	21.8
95°	43.0	43.0	43.0	42.6	42.4	42.0	41.8
97.5°	72.4	72.4	72.4	72.4	72.3	72.3	72.2
100°	92.9	92.9	92.8	92.6	92.5	92.4	92.2
102.5°	115.3	115.5	115.4	115.3	115.1	114.9	114.8
105°	149.0	149.3	149.4	149.4	149.4	149.4	149.4
107.5°	184.9	185.0	184.8	184.1	183.4	182.7	182.0
110°	209.3	209.3	209.1	208.6	208.2	207.8	207.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	233.5	233.2	232.8	232.5	232.1	231.9	231.5
115°	271.5	271.3	271.0	270.5	270.1	269.7	269.2
117.5°	307.7	307.3	306.9	306.5	306.0	305.6	305.1
120°	332.4	332.4	332.3	331.7	331.3	330.9	330.5
122.5°	357.2	356.9	356.5	356.2	355.9	355.5	355.2
125°	394.3	393.9	393.6	393.5	393.3	393.2	393.0
127.5°	430.4	429.9	429.4	429.0	428.4	428.0	427.5
130°	455.4	455.1	454.6	454.0	453.5	452.9	452.3
132.5°	479.1	478.5	477.9	477.3	476.9	476.4	476.0
135°	515.1	514.9	514.6	514.2	513.8	513.2	512.8
137.5°	549.1	549.0	548.6	548.0	547.4	546.8	546.2
140°	572.0	572.0	571.7	571.2	570.6	570.0	569.4
142.5°	592.9	593.0	592.7	592.1	591.5	591.0	590.4
145°	624.3	624.5	624.2	623.6	623.0	622.4	621.8
147.5°	652.0	652.4	652.3	651.7	651.1	650.6	650.0
150°	669.6	670.1	670.1	669.6	669.2	668.7	668.3
152.5°	687.3	687.8	687.8	687.3	686.6	686.0	685.5
155°	709.6	710.3	710.5	710.0	709.6	709.1	708.7
157.5°	730.3	731.3	731.4	730.7	730.0	729.3	728.6
160°	742.4	743.2	743.4	742.8	742.2	741.6	741.0
162.5°	753.5	754.5	754.6	753.9	753.2	752.4	751.7
165°	767.7	768.7	768.9	768.1	767.3	766.6	765.9
167.5°	779.4	780.4	780.6	779.8	779.0	778.3	777.5
170°	785.8	786.9	787.0	786.1	785.1	784.3	783.3
172.5°	790.7	791.7	791.8	790.9	790.0	789.1	788.2
175°	795.9	796.9	797.0	796.2	795.2	794.4	793.5
177.5°	798.1	798.7	798.7	798.1	797.3	796.6	795.9
180°	797.5	797.5	797.5	797.5	797.5	797.5	797.5

(END OF REPORT)