

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: P331749-930

Luminaire Tested: **S122RDIP-S1005D725U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331749-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S1005D725U930-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5416.6 lumens
Efficiency: N/A
Efficacy: 89.2 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

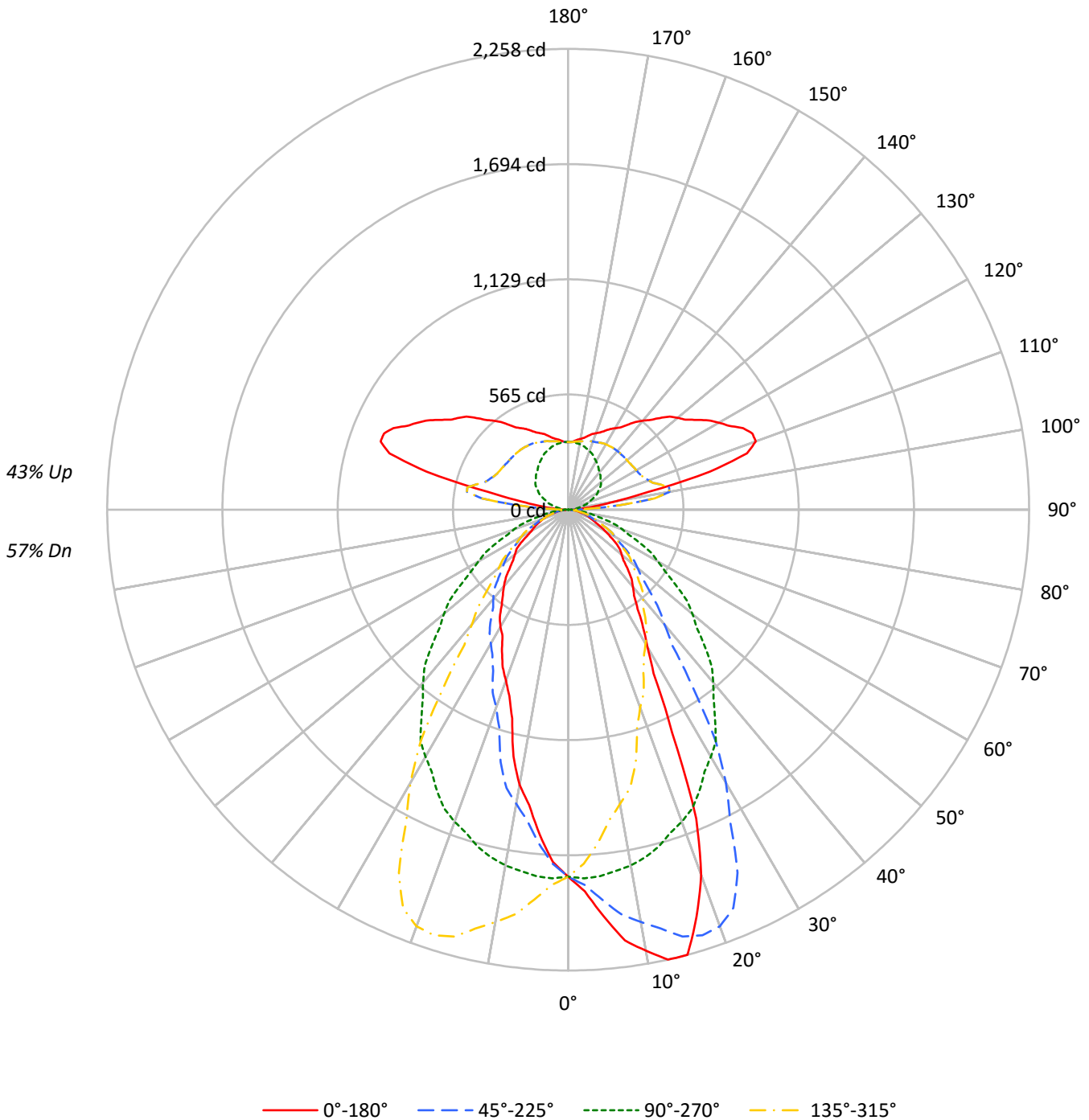
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57									57																			
1	100	96	93	89	93	90	87	84	78	76	74	67	65	64	57	56	55	50									50																			
2	92	85	79	75	86	80	75	70	69	66	63	60	57	55	51	49	48	43									43																			
3	85	76	69	63	79	71	65	60	62	58	54	54	51	48	46	44	42	38									38																			
4	78	68	60	55	73	64	57	52	56	51	47	49	45	42	42	39	37	34									34																			
5	72	61	53	48	67	57	51	45	51	45	41	44	40	37	39	35	33	30									30																			
6	67	55	48	42	62	52	45	40	46	41	37	41	36	33	35	32	29	27									27																			
7	62	50	43	37	58	48	41	36	42	37	33	37	33	30	33	29	27	24									24																			
8	58	46	39	33	54	44	37	32	39	33	29	34	30	27	30	27	24	22									22																			
9	54	42	35	30	51	40	34	29	36	31	27	32	28	25	28	25	22	20									20																			
10	51	39	32	27	48	37	31	26	33	28	24	30	25	22	26	23	21	19									19																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	29032	29032	29032	29032
5°	32423	29214	25901	29214
10°	35974	29009	22453	29009
15°	37742	28583	17690	28583
20°	32720	27953	15309	27953
25°	21458	27091	13668	27091
30°	14443	26045	12370	26045
35°	11698	24727	11158	24727
40°	10404	23294	10323	23294
45°	9417	21614	9216	21614
50°	8568	19947	8538	19947
55°	8056	18097	7949	18097
60°	6736	16401	6659	16401
65°	5681	14896	6445	14896
70°	5249	13303	6076	13303
75°	4916	11578	5608	11578
80°	4537	9530	4993	9530
85°	4168	7521	4390	7521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	3.1
10°-20°	474.9	8.8
20°-30°	612.0	11.3
30°-40°	581.6	10.7
40°-50°	498.2	9.2
50°-60°	379.4	7.0
60°-70°	239.9	4.4
70°-80°	119.8	2.2
80°-90°	34.2	0.6
90°-100°	132.5	2.4
100°-110°	449.7	8.3
110°-120°	477.7	8.8
120°-130°	393.2	7.3
130°-140°	315.8	5.8
140°-150°	238.6	4.4
150°-160°	167.7	3.1
160°-170°	98.7	1.8
170°-180°	32.1	0.6
0°-30°	1257.4	23.2
0°-40°	1839.0	34.0
0°-60°	2716.7	50.2
0°-90°	3110.5	57.4
90°-120°	1059.9	19.6
90°-150°	2007.6	37.1
90°-180°	2306.0	42.6
0°-180°	5416.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1798	1798	1798	1798	1798	
5°	2000	1802	1598	1802	2000	197
15°	2258	1710	1058	1710	2258	609
25°	1204	1521	767	1521	1204	572
35°	594	1254	566	1254	594	380
45°	412	947	404	947	412	319
55°	286	643	282	643	286	251
65°	149	390	169	390	149	151
75°	79	186	90	186	79	84
85°	22	41	24	41	22	25
90°	21	1	21	1	21	12
95°	73	22	73	22	73	94
105°	718	78	718	78	718	695
115°	945	137	945	137	945	926
125°	767	191	767	191	767	693
135°	635	224	635	224	635	494
145°	507	256	507	256	507	322
155°	426	291	426	291	426	199
165°	374	317	374	317	374	107
175°	337	331	337	331	337	33
180°	331	331	331	331	331	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1871.0	1872.6	1874.0	1870.5	1870.5	1867.5	1861.1	1856.0	1842.1	1840.0	1840.0
5°	2000.5	1999.3	2001.7	1993.7	1982.4	1979.9	1968.1	1952.4	1936.2	1918.1	1914.3
7.5°	2129.2	2127.4	2122.3	2121.0	2112.4	2093.4	2074.4	2054.0	2027.0	2000.7	1987.4
10°	2194.2	2214.8	2202.3	2180.4	2184.8	2155.5	2139.8	2113.0	2090.5	2051.1	2042.4
12.5°	2258.1	2266.3	2262.3	2249.9	2244.3	2223.9	2202.8	2179.5	2138.0	2102.6	2071.8
15°	2257.9	2269.8	2272.9	2269.1	2272.3	2271.0	2259.8	2240.4	2204.2	2165.4	2131.7
17.5°	2091.2	2099.5	2119.9	2133.8	2151.3	2188.3	2206.5	2213.7	2208.3	2186.2	2162.4
20°	1904.3	1890.5	1948.0	1977.4	2002.4	2064.8	2118.6	2139.2	2172.3	2171.7	2165.4
22.5°	1639.4	1642.7	1697.1	1732.0	1805.0	1867.4	1928.7	2006.3	2070.4	2112.7	2137.5
25°	1204.5	1228.3	1282.6	1330.2	1411.4	1527.5	1633.1	1755.6	1871.2	1962.4	2049.3
27.5°	904.7	906.4	949.5	993.4	1041.6	1136.9	1269.7	1416.0	1580.8	1716.8	1873.2
30°	774.7	770.9	789.0	816.0	857.2	930.9	1030.9	1174.6	1338.9	1543.8	1726.2
32.5°	682.7	683.0	696.6	716.5	750.7	800.5	868.9	985.6	1140.9	1342.4	1556.3
35°	593.5	592.9	602.9	617.3	631.6	663.5	710.4	771.6	878.4	1066.5	1285.2
37.5°	529.5	532.3	537.2	546.2	562.1	579.8	607.9	649.0	725.1	836.3	1020.1
40°	493.6	494.8	501.7	509.2	518.5	532.3	555.4	588.6	644.2	732.9	867.2
42.5°	460.6	461.9	466.7	473.7	481.1	494.8	514.0	542.6	587.7	656.9	767.7
45°	412.4	412.4	416.7	419.9	428.0	440.4	456.1	479.8	511.0	562.3	636.0
47.5°	367.1	367.2	370.1	375.5	380.6	390.4	405.7	425.1	447.8	487.5	550.4
50°	341.1	341.8	343.6	348.0	351.1	359.9	371.8	388.6	412.4	443.0	495.5
52.5°	320.2	319.8	322.1	324.0	326.1	332.4	341.3	356.1	377.3	404.0	447.4
55°	286.2	283.6	287.4	290.5	292.4	294.9	299.9	309.2	327.3	349.8	382.4
57.5°	243.7	242.6	245.3	248.2	254.0	260.8	265.1	271.0	280.4	296.5	328.7
60°	208.6	208.6	214.3	216.1	223.1	231.8	240.5	245.6	254.9	265.5	289.3
62.5°	177.7	178.2	180.8	182.7	186.5	197.3	209.5	220.5	229.4	239.5	255.3
65°	148.7	149.9	149.9	151.2	153.7	156.2	161.2	169.9	185.6	199.9	211.8
67.5°	126.2	126.6	126.9	128.2	128.8	131.6	133.5	137.5	141.0	154.7	169.4
70°	111.2	113.1	112.4	113.7	114.3	115.6	118.1	119.9	125.6	128.7	137.5
72.5°	97.2	98.6	98.5	99.2	100.9	101.1	103.1	104.9	108.6	111.2	115.9
75°	78.8	78.1	78.8	80.0	80.6	81.2	81.2	83.7	85.6	88.1	91.2
77.5°	60.7	61.4	61.2	61.4	61.5	62.6	62.5	63.6	65.5	66.7	68.2
80°	48.8	49.3	48.8	49.3	50.0	50.6	50.0	50.6	52.5	53.7	53.7
82.5°	37.7	37.8	38.2	38.4	38.5	38.6	39.5	39.6	41.0	40.8	41.3
85°	22.5	21.9	21.9	21.9	22.5	23.2	22.5	22.5	23.2	23.2	23.2
87.5°	12.2	12.7	12.7	12.7	12.7	12.6	12.3	13.0	12.7	13.4	12.7
90°	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4	21.0	21.7	21.0
92.5°	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6	70.0	82.8	81.7
95°	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0	218.6	249.8	221.2
97.5°	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6	447.4	426.5	321.2
100°	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9	595.3	503.4	346.7
102.5°	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8	650.3	506.1	337.0
105°	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4	641.8	472.2	318.0
107.5°	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4	585.8	436.0	308.6
110°	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1	550.7	418.7	306.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4	526.2	407.5	307.0
115°	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0	495.9	395.2	309.7
117.5°	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1	476.7	389.1	314.3
120°	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7	466.5	385.6	317.4
122.5°	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0	457.9	383.5	321.0
125°	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9	445.5	379.8	326.3
127.5°	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2	434.0	377.6	331.8
130°	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4	426.4	376.7	335.9
132.5°	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2	420.3	376.2	340.0
135°	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1	411.7	375.4	344.8
137.5°	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5	405.7	375.3	349.1
140°	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8	402.2	374.7	351.1
142.5°	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7	398.6	374.7	352.7
145°	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6	393.9	373.5	354.3
147.5°	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9	389.1	371.2	354.9
150°	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2	384.9	369.7	354.3
152.5°	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6	381.4	367.1	353.4
155°	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9	374.7	362.6	351.8
157.5°	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8	368.5	358.1	348.9
160°	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2	363.9	355.0	347.3
162.5°	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6	359.8	352.5	345.8
165°	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2	353.1	347.3	342.9
167.5°	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2	346.4	342.9	340.0
170°	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1	342.9	340.3	338.4
172.5°	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4	339.3	337.3	336.4
175°	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5	334.6	333.9	333.3
177.5°	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0	331.9	331.4	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1841.1	1837.0	1833.6	1824.6	1820.1	1810.0	1808.6	1808.1	1795.1	1782.6	1779.1
5°	1904.3	1894.3	1879.3	1861.8	1843.7	1825.0	1812.5	1802.5	1777.4	1753.7	1740.0
7.5°	1968.1	1946.5	1920.7	1887.6	1859.9	1829.0	1806.0	1785.3	1749.9	1715.9	1693.0
10°	2015.5	1980.5	1946.1	1900.5	1864.9	1829.9	1797.5	1769.4	1729.3	1684.4	1652.5
12.5°	2045.0	2006.5	1959.2	1914.6	1868.4	1824.0	1780.5	1744.3	1697.4	1650.9	1613.1
15°	2084.9	2043.6	1986.2	1922.4	1863.0	1805.0	1755.0	1710.0	1648.8	1593.2	1546.9
17.5°	2117.5	2060.8	1999.0	1925.3	1856.6	1782.7	1718.4	1660.9	1592.8	1525.7	1471.2
20°	2127.9	2071.8	2000.5	1926.8	1845.6	1758.8	1689.4	1626.9	1553.8	1480.7	1418.2
22.5°	2121.5	2077.7	1998.5	1910.3	1827.1	1736.3	1657.9	1585.4	1504.3	1429.7	1357.2
25°	2077.4	2062.4	1987.4	1891.2	1796.2	1690.6	1600.0	1520.7	1428.2	1348.3	1269.5
27.5°	1974.5	2006.9	1960.4	1857.9	1752.3	1639.2	1537.3	1447.0	1351.0	1261.0	1182.6
30°	1875.6	1949.9	1929.9	1834.9	1716.9	1605.7	1491.3	1397.0	1294.5	1202.1	1124.6
32.5°	1740.1	1863.0	1882.4	1803.0	1680.9	1558.7	1438.8	1345.0	1238.0	1140.6	1065.1
35°	1524.4	1708.1	1792.4	1741.9	1619.4	1487.6	1363.8	1254.5	1147.0	1050.8	975.9
37.5°	1267.1	1517.4	1657.9	1661.5	1549.1	1412.0	1277.2	1168.7	1058.7	964.3	883.2
40°	1100.2	1371.3	1554.4	1595.1	1500.1	1352.0	1215.8	1105.2	997.8	905.3	812.2
42.5°	950.3	1220.4	1445.4	1516.0	1440.6	1293.6	1156.8	1041.2	936.8	849.3	754.2
45°	768.5	1004.6	1252.6	1378.8	1337.0	1200.8	1056.5	946.6	848.4	772.8	681.6
47.5°	648.2	814.7	1054.8	1225.4	1224.7	1100.3	958.4	853.0	762.1	691.2	617.4
50°	579.8	724.7	927.8	1121.4	1137.7	1033.4	898.4	794.1	709.1	634.8	575.4
52.5°	518.3	637.7	820.4	1006.0	1052.2	961.9	831.0	734.6	652.2	583.8	533.0
55°	438.0	530.4	669.1	842.8	912.8	849.1	732.9	642.9	576.0	518.5	474.8
57.5°	370.5	439.9	551.1	691.0	772.5	732.4	636.5	563.5	506.2	454.2	419.7
60°	328.0	384.8	479.2	596.1	686.0	657.9	576.0	507.9	459.2	414.3	381.7
62.5°	288.0	336.9	417.8	512.6	595.0	583.4	516.6	459.4	416.7	375.8	348.2
65°	231.8	267.4	330.5	404.9	471.1	476.7	428.6	389.9	351.7	319.3	294.9
67.5°	184.6	207.8	252.3	314.9	364.5	382.2	352.9	323.3	293.0	267.9	246.8
70°	155.6	174.3	206.8	257.4	303.0	321.7	304.9	281.8	255.5	234.9	216.8
72.5°	126.0	144.3	168.3	205.5	244.5	264.8	258.9	242.3	221.0	203.9	186.8
75°	95.0	100.6	116.8	141.9	172.4	190.0	194.3	185.6	168.7	155.6	145.5
77.5°	70.2	73.6	81.4	94.5	114.5	130.0	136.5	135.4	123.8	116.2	106.8
80°	56.3	58.1	61.9	67.5	82.5	98.1	102.5	102.5	94.3	91.2	81.9
82.5°	42.7	44.1	46.4	49.5	56.5	70.1	75.0	76.0	70.8	66.7	59.4
85°	24.4	23.7	25.0	26.9	28.1	31.9	39.4	40.6	39.4	34.3	32.4
87.5°	11.9	11.6	10.9	10.0	10.3	10.5	12.5	14.6	13.0	12.0	11.3
90°	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7	2.5	5.1	6.4
92.5°	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7	11.3	15.8	18.6
95°	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3	24.9	31.2	36.9
97.5°	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4	39.8	46.6	55.2
100°	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1	51.0	56.7	66.9
102.5°	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8	62.2	67.9	78.1
105°	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8	80.3	84.8	94.3
107.5°	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1	98.2	102.5	111.3
110°	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4	110.9	114.7	123.0



TEST NUMBER: P331749-930

CATALOG NUMBER: S122RDIP-S1005D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5	122.1	126.5	134.2
115°	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1	140.2	144.1	151.6
117.5°	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2	157.7	161.5	168.3
120°	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3	168.9	172.7	178.5
122.5°	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1	179.1	182.9	189.1
125°	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2	193.1	196.9	204.6
127.5°	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4	205.0	210.3	218.7
130°	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0	211.6	217.9	226.9
132.5°	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2	218.3	225.1	234.6
135°	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4	226.9	234.6	244.1
137.5°	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0	236.0	243.7	253.9
140°	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6	242.1	249.8	260.0
142.5°	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2	248.3	255.4	265.6
145°	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2	258.8	265.1	274.7
147.5°	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9	268.8	274.9	283.7
150°	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0	276.0	281.0	289.3
152.5°	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2	282.1	287.1	294.4
155°	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2	291.9	295.7	302.7
157.5°	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7	300.3	303.4	309.5
160°	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2	305.9	308.4	313.6
162.5°	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9	310.5	313.1	317.2
165°	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4	316.7	318.0	321.9
167.5°	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8	322.0	323.1	325.5
170°	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3	325.1	325.6	327.6
172.5°	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3	327.6	327.2	329.1
175°	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8	330.1	329.5	330.8
177.5°	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9	330.9	330.4	331.4
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331749-930

CATALOG NUMBER: S122RDIP-S1005D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1772.6	1769.1	1762.6	1752.6	1746.6	1736.1	1729.1	1733.1	1734.1	1733.1	1732.1
5°	1725.0	1711.9	1693.8	1676.3	1660.0	1642.5	1632.6	1628.2	1619.4	1614.4	1611.9
7.5°	1667.4	1644.8	1619.2	1588.7	1562.8	1535.7	1521.8	1514.9	1497.1	1487.4	1478.8
10°	1624.4	1588.8	1563.2	1523.2	1498.8	1463.2	1438.8	1439.5	1415.1	1401.3	1391.4
12.5°	1577.0	1537.8	1495.2	1459.2	1425.4	1396.8	1367.3	1355.5	1329.7	1316.4	1289.4
15°	1498.2	1452.6	1407.6	1358.9	1324.5	1280.2	1237.7	1185.9	1143.9	1107.7	1097.7
17.5°	1412.3	1355.8	1310.7	1253.4	1194.6	1120.0	1070.7	1040.6	1015.4	996.3	982.0
20°	1353.2	1295.8	1247.7	1161.5	1082.1	1031.5	995.2	972.2	945.9	925.3	914.0
22.5°	1291.3	1231.3	1165.7	1069.5	1007.6	967.0	934.7	908.2	890.4	874.3	864.1
25°	1203.3	1137.7	1029.6	963.4	913.4	870.9	848.4	832.2	813.4	791.6	781.6
27.5°	1110.4	1006.0	928.4	879.1	831.4	803.8	783.6	759.4	742.6	732.7	722.4
30°	1040.9	936.5	876.0	822.2	788.5	757.8	734.1	720.4	704.1	687.2	680.4
32.5°	963.4	880.0	822.0	777.2	743.0	716.9	698.1	675.9	664.1	653.8	639.4
35°	867.2	804.0	751.0	714.8	682.2	661.0	639.1	626.0	604.8	596.1	590.4
37.5°	785.7	731.0	691.4	653.1	627.4	603.9	590.5	569.6	560.4	548.3	536.5
40°	739.7	686.0	647.9	616.6	587.9	570.4	553.5	536.7	522.9	517.3	503.0
42.5°	692.8	649.0	610.9	576.7	557.4	538.9	517.6	505.2	491.0	481.8	473.0
45°	627.9	589.1	556.7	528.6	507.3	488.0	474.2	453.6	445.5	427.4	419.9
47.5°	571.0	534.9	503.9	477.2	456.5	443.8	423.7	407.6	394.6	383.5	373.9
50°	530.4	500.4	470.4	446.7	428.0	409.9	389.2	381.1	361.1	355.5	349.8
52.5°	493.4	465.0	437.5	414.3	395.5	377.9	359.7	349.1	335.7	330.0	325.9
55°	441.7	414.3	388.0	367.4	348.6	330.5	319.3	306.1	299.9	295.5	290.5
57.5°	389.7	365.0	344.9	324.0	305.2	290.7	277.8	269.9	263.4	257.6	251.7
60°	356.8	333.0	314.9	295.5	276.1	264.2	254.3	244.9	237.4	228.7	226.2
62.5°	321.7	301.0	284.4	265.5	248.7	237.8	228.3	219.4	210.4	197.7	194.2
65°	273.6	257.4	239.9	224.3	209.3	198.7	184.9	175.0	171.2	169.9	169.3
67.5°	230.2	214.8	199.8	183.8	170.2	160.3	153.4	151.8	149.2	148.5	146.7
70°	201.2	186.8	171.8	156.8	143.7	141.9	139.3	136.8	133.7	132.5	131.2
72.5°	175.2	160.3	145.3	133.3	127.7	125.3	122.9	120.3	118.2	117.0	116.2
75°	134.4	120.6	110.6	106.2	103.1	101.2	97.4	95.6	94.3	92.5	91.8
77.5°	96.7	88.9	84.4	81.6	78.4	76.3	74.2	72.3	71.0	70.6	69.6
80°	73.7	70.0	66.9	63.1	61.9	59.4	58.7	56.8	57.5	55.6	55.6
82.5°	57.2	52.5	49.9	48.1	46.9	44.8	44.3	43.4	43.5	42.1	42.1
85°	29.4	28.1	26.9	25.6	25.6	23.7	24.4	23.7	23.7	22.5	21.9
87.5°	11.0	10.9	10.5	11.4	12.2	11.8	11.7	11.1	10.8	11.1	10.7
90°	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4	19.2	20.4	21.0
92.5°	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6	47.7	42.3	38.4
95°	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0	128.1	101.3	87.3
97.5°	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6	318.8	249.8	203.8
100°	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9	502.9	415.6	338.4
102.5°	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8	690.0	626.1	544.4
105°	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4	846.4	854.7	833.6
107.5°	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4	834.9	901.2	932.1
110°	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1	799.2	880.8	933.0



TEST NUMBER: P331749-930

CATALOG NUMBER: S122RDIP-S1005D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4	756.8	844.1	904.0
115°	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0	699.1	782.6	848.2
117.5°	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1	652.2	728.0	789.5
120°	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7	627.8	695.3	753.3
122.5°	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0	607.4	671.3	723.7
125°	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9	580.6	636.7	684.4
127.5°	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2	554.6	607.5	651.6
130°	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4	537.3	587.6	629.7
132.5°	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2	521.0	567.2	606.7
135°	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1	495.2	537.3	572.9
137.5°	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5	474.7	508.1	539.2
140°	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8	461.5	490.7	518.8
142.5°	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7	449.7	474.9	498.4
145°	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6	434.6	454.4	472.9
147.5°	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9	422.4	437.8	451.3
150°	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2	414.3	427.6	439.1
152.5°	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6	407.6	419.0	428.9
155°	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9	397.1	406.6	413.6
157.5°	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8	386.4	394.4	399.8
160°	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2	379.2	386.2	390.7
162.5°	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6	372.6	378.5	382.0
165°	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2	362.6	367.1	369.7
167.5°	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2	353.6	356.6	359.0
170°	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1	348.0	350.5	351.8
172.5°	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4	342.9	345.0	345.7
175°	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5	337.1	337.8	338.4
177.5°	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0	333.0	333.5	333.5
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331749-930

CATALOG NUMBER: S122RDIP-S1005D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1726.6	1727.6	1726.2	1727.1	1726.2	1727.6	1726.6	1732.1	1733.1	1734.1	1733.1
5°	1608.7	1601.2	1600.0	1598.1	1600.0	1601.2	1608.7	1611.9	1614.4	1619.4	1628.2
7.5°	1468.1	1467.0	1463.9	1459.5	1463.9	1467.0	1468.1	1478.8	1487.4	1497.1	1514.9
10°	1377.6	1374.5	1373.9	1369.5	1373.9	1374.5	1377.6	1391.4	1401.3	1415.1	1439.5
12.5°	1271.6	1251.6	1249.4	1238.5	1249.4	1251.6	1271.6	1289.4	1316.4	1329.7	1355.5
15°	1082.7	1079.0	1066.5	1058.3	1066.5	1079.0	1082.7	1097.7	1107.7	1143.9	1185.9
17.5°	974.8	962.5	958.6	956.9	958.6	962.5	974.8	982.0	996.3	1015.4	1040.6
20°	905.3	894.1	892.2	891.0	892.2	894.1	905.3	914.0	925.3	945.9	972.2
22.5°	857.3	845.5	840.7	836.9	840.7	845.5	857.3	864.1	874.3	890.4	908.2
25°	775.3	770.9	768.5	767.2	768.5	770.9	775.3	781.6	791.6	813.4	832.2
27.5°	711.3	701.6	699.8	696.5	699.8	701.6	711.3	722.4	732.7	742.6	759.4
30°	674.7	671.6	667.2	663.5	667.2	671.6	674.7	680.4	687.2	704.1	720.4
32.5°	631.8	629.2	625.3	623.5	625.3	629.2	631.8	639.4	653.8	664.1	675.9
35°	584.2	575.4	571.7	566.1	571.7	575.4	584.2	590.4	596.1	604.8	626.0
37.5°	533.8	529.2	523.9	525.8	523.9	529.2	533.8	536.5	548.3	560.4	569.6
40°	494.8	491.7	490.5	489.8	490.5	491.7	494.8	503.0	517.3	522.9	536.7
42.5°	463.8	455.2	451.9	451.8	451.9	455.2	463.8	473.0	481.8	491.0	505.2
45°	416.7	408.6	403.0	403.6	403.0	408.6	416.7	419.9	427.4	445.5	453.6
47.5°	368.5	368.3	364.8	365.8	364.8	368.3	368.5	373.9	383.5	394.6	407.6
50°	345.5	341.8	339.2	339.9	339.2	341.8	345.5	349.8	355.5	361.1	381.1
52.5°	323.5	320.2	318.3	320.9	318.3	320.2	323.5	325.9	330.0	335.7	349.1
55°	287.4	283.6	283.0	282.4	283.0	283.6	287.4	290.5	295.5	299.9	306.1
57.5°	247.0	244.5	240.8	239.1	240.8	244.5	247.0	251.7	257.6	263.4	269.9
60°	218.0	213.0	206.8	206.2	206.8	213.0	218.0	226.2	228.7	237.4	244.9
62.5°	191.5	190.5	189.3	189.1	189.3	190.5	191.5	194.2	197.7	210.4	219.4
65°	168.0	167.5	168.0	168.7	168.0	167.5	168.0	169.3	169.9	171.2	175.0
67.5°	146.4	145.3	144.2	144.7	144.2	145.3	146.4	146.7	148.5	149.2	151.8
70°	130.0	129.3	128.7	128.7	128.7	129.3	130.0	131.2	132.5	133.7	136.8
72.5°	114.0	113.8	113.2	112.7	113.2	113.8	114.0	116.2	117.0	118.2	120.3
75°	91.2	89.9	89.9	89.9	89.9	89.9	91.2	91.8	92.5	94.3	95.6
77.5°	69.5	68.8	68.2	67.8	68.2	68.8	69.5	69.6	70.6	71.0	72.3
80°	55.0	54.4	53.7	53.7	53.7	54.4	55.0	55.6	55.6	57.5	56.8
82.5°	42.0	41.3	41.3	40.8	41.3	41.3	42.0	42.1	42.1	43.5	43.4
85°	22.5	23.2	22.5	23.7	22.5	23.2	22.5	21.9	22.5	23.7	23.7
87.5°	10.7	10.2	10.7	10.2	10.7	10.2	10.7	10.7	11.1	10.8	11.1
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4
92.5°	37.8	35.8	36.4	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6
95°	79.0	73.9	72.0	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0
97.5°	173.3	157.7	148.4	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6
100°	285.5	258.1	239.6	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9
102.5°	486.9	440.1	417.0	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8
105°	794.1	754.6	727.2	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4
107.5°	937.0	934.8	929.4	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4
110°	960.4	972.6	978.3	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1



TEST NUMBER: P331749-930

CATALOG NUMBER: S122RDIP-S1005D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	942.1	962.4	973.2	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4
115°	893.5	922.8	939.4	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0
117.5°	835.7	866.7	884.1	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1
120°	797.9	827.9	846.4	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7
122.5°	763.8	793.2	809.7	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0
125°	721.5	745.7	761.6	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9
127.5°	683.9	706.5	720.3	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2
130°	660.9	682.6	695.3	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4
132.5°	637.5	659.1	670.8	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2
135°	600.4	621.4	632.8	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1
137.5°	564.2	582.3	592.3	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5
140°	539.2	555.7	565.3	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8
142.5°	517.8	532.8	541.4	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7
145°	488.2	499.0	505.4	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6
147.5°	464.0	472.6	477.0	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9
150°	448.7	456.3	460.2	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2
152.5°	436.4	443.0	445.9	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6
155°	420.6	425.1	427.6	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9
157.5°	404.8	408.5	409.7	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8
160°	395.2	398.4	398.9	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2
162.5°	386.5	388.7	389.3	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6
165°	372.2	374.7	374.7	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2
167.5°	360.1	361.5	361.3	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2
170°	352.5	354.3	353.7	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1
172.5°	346.3	347.2	346.6	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4
175°	338.4	339.1	338.4	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5
177.5°	333.5	333.5	333.0	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331749-930

CATALOG NUMBER: S122RDIP-S1005D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1729.1	1736.1	1746.6	1752.6	1762.6	1769.1	1772.6	1779.1	1782.6	1795.1	1808.1
5°	1632.6	1642.5	1660.0	1676.3	1693.8	1711.9	1725.0	1740.0	1753.7	1777.4	1802.5
7.5°	1521.8	1535.7	1562.8	1588.7	1619.2	1644.8	1667.4	1693.0	1715.9	1749.9	1785.3
10°	1438.8	1463.2	1498.8	1523.2	1563.2	1588.8	1624.4	1652.5	1684.4	1729.3	1769.4
12.5°	1367.3	1396.8	1425.4	1459.2	1495.2	1537.8	1577.0	1613.1	1650.9	1697.4	1744.3
15°	1237.7	1280.2	1324.5	1358.9	1407.6	1452.6	1498.2	1546.9	1593.2	1648.8	1710.0
17.5°	1070.7	1120.0	1194.6	1253.4	1310.7	1355.8	1412.3	1471.2	1525.7	1592.8	1660.9
20°	995.2	1031.5	1082.1	1161.5	1247.7	1295.8	1353.2	1418.2	1480.7	1553.8	1626.9
22.5°	934.7	967.0	1007.6	1069.5	1165.7	1231.3	1291.3	1357.2	1429.7	1504.3	1585.4
25°	848.4	870.9	913.4	963.4	1029.6	1137.7	1203.3	1269.5	1348.3	1428.2	1520.7
27.5°	783.6	803.8	831.4	879.1	928.4	1006.0	1110.4	1182.6	1261.0	1351.0	1447.0
30°	734.1	757.8	788.5	822.2	876.0	936.5	1040.9	1124.6	1202.1	1294.5	1397.0
32.5°	698.1	716.9	743.0	777.2	822.0	880.0	963.4	1065.1	1140.6	1238.0	1345.0
35°	639.1	661.0	682.2	714.8	751.0	804.0	867.2	975.9	1050.8	1147.0	1254.5
37.5°	590.5	603.9	627.4	653.1	691.4	731.0	785.7	883.2	964.3	1058.7	1168.7
40°	553.5	570.4	587.9	616.6	647.9	686.0	739.7	812.2	905.3	997.8	1105.2
42.5°	517.6	538.9	557.4	576.7	610.9	649.0	692.8	754.2	849.3	936.8	1041.2
45°	474.2	488.0	507.3	528.6	556.7	589.1	627.9	681.6	772.8	848.4	946.6
47.5°	423.7	443.8	456.5	477.2	503.9	534.9	571.0	617.4	691.2	762.1	853.0
50°	389.2	409.9	428.0	446.7	470.4	500.4	530.4	575.4	634.8	709.1	794.1
52.5°	359.7	377.9	395.5	414.3	437.5	465.0	493.4	533.0	583.8	652.2	734.6
55°	319.3	330.5	348.6	367.4	388.0	414.3	441.7	474.8	518.5	576.0	642.9
57.5°	277.8	290.7	305.2	324.0	344.9	365.0	389.7	419.7	454.2	506.2	563.5
60°	254.3	264.2	276.1	295.5	314.9	333.0	356.8	381.7	414.3	459.2	507.9
62.5°	228.3	237.8	248.7	265.5	284.4	301.0	321.7	348.2	375.8	416.7	459.4
65°	184.9	198.7	209.3	224.3	239.9	257.4	273.6	294.9	319.3	351.7	389.9
67.5°	153.4	160.3	170.2	183.8	199.8	214.8	230.2	246.8	267.9	293.0	323.3
70°	139.3	141.9	143.7	156.8	171.8	186.8	201.2	216.8	234.9	255.5	281.8
72.5°	122.9	125.3	127.7	133.3	145.3	160.3	175.2	186.8	203.9	221.0	242.3
75°	97.4	101.2	103.1	106.2	110.6	120.6	134.4	145.5	155.6	168.7	185.6
77.5°	74.2	76.3	78.4	81.6	84.4	88.9	96.7	106.8	116.2	123.8	135.4
80°	58.7	59.4	61.9	63.1	66.9	70.0	73.7	81.9	91.2	94.3	102.5
82.5°	44.3	44.8	46.9	48.1	49.9	52.5	57.2	59.4	66.7	70.8	76.0
85°	24.4	23.7	25.6	25.6	26.9	28.1	29.4	32.4	34.3	39.4	40.6
87.5°	11.7	11.8	12.2	11.4	10.5	10.9	11.0	11.3	12.0	13.0	14.6
90°	21.0	21.7	21.0	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7
92.5°	70.0	82.8	81.7	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7
95°	218.6	249.8	221.2	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3
97.5°	447.4	426.5	321.2	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4
100°	595.3	503.4	346.7	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1
102.5°	650.3	506.1	337.0	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8
105°	641.8	472.2	318.0	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8
107.5°	585.8	436.0	308.6	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1
110°	550.7	418.7	306.6	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4



TEST NUMBER: P331749-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	526.2	407.5	307.0	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5
115°	495.9	395.2	309.7	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1
117.5°	476.7	389.1	314.3	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2
120°	466.5	385.6	317.4	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3
122.5°	457.9	383.5	321.0	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1
125°	445.5	379.8	326.3	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2
127.5°	434.0	377.6	331.8	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4
130°	426.4	376.7	335.9	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0
132.5°	420.3	376.2	340.0	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2
135°	411.7	375.4	344.8	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4
137.5°	405.7	375.3	349.1	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0
140°	402.2	374.7	351.1	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6
142.5°	398.6	374.7	352.7	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2
145°	393.9	373.5	354.3	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2
147.5°	389.1	371.2	354.9	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9
150°	384.9	369.7	354.3	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0
152.5°	381.4	367.1	353.4	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2
155°	374.7	362.6	351.8	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2
157.5°	368.5	358.1	348.9	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7
160°	363.9	355.0	347.3	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2
162.5°	359.8	352.5	345.8	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9
165°	353.1	347.3	342.9	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4
167.5°	346.4	342.9	340.0	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8
170°	342.9	340.3	338.4	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3
172.5°	339.3	337.3	336.4	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3
175°	334.6	333.9	333.3	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8
177.5°	331.9	331.4	331.9	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331749-930

CATALOG NUMBER: S122RDIP-S1005D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1808.6	1810.0	1820.1	1824.6	1833.6	1837.0	1841.1	1840.0	1840.0	1842.1	1856.0
5°	1812.5	1825.0	1843.7	1861.8	1879.3	1894.3	1904.3	1914.3	1918.1	1936.2	1952.4
7.5°	1806.0	1829.0	1859.9	1887.6	1920.7	1946.5	1968.1	1987.4	2000.7	2027.0	2054.0
10°	1797.5	1829.9	1864.9	1900.5	1946.1	1980.5	2015.5	2042.4	2051.1	2090.5	2113.0
12.5°	1780.5	1824.0	1868.4	1914.6	1959.2	2006.5	2045.0	2071.8	2102.6	2138.0	2179.5
15°	1755.0	1805.0	1863.0	1922.4	1986.2	2043.6	2084.9	2131.7	2165.4	2204.2	2240.4
17.5°	1718.4	1782.7	1856.6	1925.3	1999.0	2060.8	2117.5	2162.4	2186.2	2208.3	2213.7
20°	1689.4	1758.8	1845.6	1926.8	2000.5	2071.8	2127.9	2165.4	2171.7	2172.3	2139.2
22.5°	1657.9	1736.3	1827.1	1910.3	1998.5	2077.7	2121.5	2137.5	2112.7	2070.4	2006.3
25°	1600.0	1690.6	1796.2	1891.2	1987.4	2062.4	2077.4	2049.3	1962.4	1871.2	1755.6
27.5°	1537.3	1639.2	1752.3	1857.9	1960.4	2006.9	1974.5	1873.2	1716.8	1580.8	1416.0
30°	1491.3	1605.7	1716.9	1834.9	1929.9	1949.9	1875.6	1726.2	1543.8	1338.9	1174.6
32.5°	1438.8	1558.7	1680.9	1803.0	1882.4	1863.0	1740.1	1556.3	1342.4	1140.9	985.6
35°	1363.8	1487.6	1619.4	1741.9	1792.4	1708.1	1524.4	1285.2	1066.5	878.4	771.6
37.5°	1277.2	1412.0	1549.1	1661.5	1657.9	1517.4	1267.1	1020.1	836.3	725.1	649.0
40°	1215.8	1352.0	1500.1	1595.1	1554.4	1371.3	1100.2	867.2	732.9	644.2	588.6
42.5°	1156.8	1293.6	1440.6	1516.0	1445.4	1220.4	950.3	767.7	656.9	587.7	542.6
45°	1056.5	1200.8	1337.0	1378.8	1252.6	1004.6	768.5	636.0	562.3	511.0	479.8
47.5°	958.4	1100.3	1224.7	1225.4	1054.8	814.7	648.2	550.4	487.5	447.8	425.1
50°	898.4	1033.4	1137.7	1121.4	927.8	724.7	579.8	495.5	443.0	412.4	388.6
52.5°	831.0	961.9	1052.2	1006.0	820.4	637.7	518.3	447.4	404.0	377.3	356.1
55°	732.9	849.1	912.8	842.8	669.1	530.4	438.0	382.4	349.8	327.3	309.2
57.5°	636.5	732.4	772.5	691.0	551.1	439.9	370.5	328.7	296.5	280.4	271.0
60°	576.0	657.9	686.0	596.1	479.2	384.8	328.0	289.3	265.5	254.9	245.6
62.5°	516.6	583.4	595.0	512.6	417.8	336.9	288.0	255.3	239.5	229.4	220.5
65°	428.6	476.7	471.1	404.9	330.5	267.4	231.8	211.8	199.9	185.6	169.9
67.5°	352.9	382.2	364.5	314.9	252.3	207.8	184.6	169.4	154.7	141.0	137.5
70°	304.9	321.7	303.0	257.4	206.8	174.3	155.6	137.5	128.7	125.6	119.9
72.5°	258.9	264.8	244.5	205.5	168.3	144.3	126.0	115.9	111.2	108.6	104.9
75°	194.3	190.0	172.4	141.9	116.8	100.6	95.0	91.2	88.1	85.6	83.7
77.5°	136.5	130.0	114.5	94.5	81.4	73.6	70.2	68.2	66.7	65.5	63.6
80°	102.5	98.1	82.5	67.5	61.9	58.1	56.3	53.7	53.7	52.5	50.6
82.5°	75.0	70.1	56.5	49.5	46.4	44.1	42.7	41.3	40.8	41.0	39.6
85°	39.4	31.9	28.1	26.9	25.0	23.7	24.4	23.2	23.2	23.2	22.5
87.5°	12.5	10.5	10.3	10.0	10.9	11.6	11.9	12.7	13.4	12.7	13.0
90°	2.5	5.1	6.4	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4
92.5°	11.3	15.8	18.6	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6
95°	24.9	31.2	36.9	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0
97.5°	39.8	46.6	55.2	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6
100°	51.0	56.7	66.9	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9
102.5°	62.2	67.9	78.1	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8
105°	80.3	84.8	94.3	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4
107.5°	98.2	102.5	111.3	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4
110°	110.9	114.7	123.0	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	122.1	126.5	134.2	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4
115°	140.2	144.1	151.6	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0
117.5°	157.7	161.5	168.3	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1
120°	168.9	172.7	178.5	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7
122.5°	179.1	182.9	189.1	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0
125°	193.1	196.9	204.6	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9
127.5°	205.0	210.3	218.7	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2
130°	211.6	217.9	226.9	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4
132.5°	218.3	225.1	234.6	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2
135°	226.9	234.6	244.1	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1
137.5°	236.0	243.7	253.9	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5
140°	242.1	249.8	260.0	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8
142.5°	248.3	255.4	265.6	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7
145°	258.8	265.1	274.7	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6
147.5°	268.8	274.9	283.7	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9
150°	276.0	281.0	289.3	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2
152.5°	282.1	287.1	294.4	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6
155°	291.9	295.7	302.7	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9
157.5°	300.3	303.4	309.5	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8
160°	305.9	308.4	313.6	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2
162.5°	310.5	313.1	317.2	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6
165°	316.7	318.0	321.9	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2
167.5°	322.0	323.1	325.5	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2
170°	325.1	325.6	327.6	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1
172.5°	327.6	327.2	329.1	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4
175°	330.1	329.5	330.8	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5
177.5°	330.9	330.4	331.4	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1861.1	1867.5	1870.5	1870.5	1874.0	1872.6	1871.0
5°	1968.1	1979.9	1982.4	1993.7	2001.7	1999.3	2000.5
7.5°	2074.4	2093.4	2112.4	2121.0	2122.3	2127.4	2129.2
10°	2139.8	2155.5	2184.8	2180.4	2202.3	2214.8	2194.2
12.5°	2202.8	2223.9	2244.3	2249.9	2262.3	2266.3	2258.1
15°	2259.8	2271.0	2272.3	2269.1	2272.9	2269.8	2257.9
17.5°	2206.5	2188.3	2151.3	2133.8	2119.9	2099.5	2091.2
20°	2118.6	2064.8	2002.4	1977.4	1948.0	1890.5	1904.3
22.5°	1928.7	1867.4	1805.0	1732.0	1697.1	1642.7	1639.4
25°	1633.1	1527.5	1411.4	1330.2	1282.6	1228.3	1204.5
27.5°	1269.7	1136.9	1041.6	993.4	949.5	906.4	904.7
30°	1030.9	930.9	857.2	816.0	789.0	770.9	774.7
32.5°	868.9	800.5	750.7	716.5	696.6	683.0	682.7
35°	710.4	663.5	631.6	617.3	602.9	592.9	593.5
37.5°	607.9	579.8	562.1	546.2	537.2	532.3	529.5
40°	555.4	532.3	518.5	509.2	501.7	494.8	493.6
42.5°	514.0	494.8	481.1	473.7	466.7	461.9	460.6
45°	456.1	440.4	428.0	419.9	416.7	412.4	412.4
47.5°	405.7	390.4	380.6	375.5	370.1	367.2	367.1
50°	371.8	359.9	351.1	348.0	343.6	341.8	341.1
52.5°	341.3	332.4	326.1	324.0	322.1	319.8	320.2
55°	299.9	294.9	292.4	290.5	287.4	283.6	286.2
57.5°	265.1	260.8	254.0	248.2	245.3	242.6	243.7
60°	240.5	231.8	223.1	216.1	214.3	208.6	208.6
62.5°	209.5	197.3	186.5	182.7	180.8	178.2	177.7
65°	161.2	156.2	153.7	151.2	149.9	149.9	148.7
67.5°	133.5	131.6	128.8	128.2	126.9	126.6	126.2
70°	118.1	115.6	114.3	113.7	112.4	113.1	111.2
72.5°	103.1	101.1	100.9	99.2	98.5	98.6	97.2
75°	81.2	81.2	80.6	80.0	78.8	78.1	78.8
77.5°	62.5	62.6	61.5	61.4	61.2	61.4	60.7
80°	50.0	50.6	50.0	49.3	48.8	49.3	48.8
82.5°	39.5	38.6	38.5	38.4	38.2	37.8	37.7
85°	22.5	23.2	22.5	21.9	21.9	21.9	22.5
87.5°	12.3	12.6	12.7	12.7	12.7	12.7	12.2
90°	19.2	20.4	21.0	21.0	21.0	21.0	21.0
92.5°	47.7	42.3	38.4	37.8	35.8	36.4	35.3
95°	128.1	101.3	87.3	79.0	73.9	72.0	72.6
97.5°	318.8	249.8	203.8	173.3	157.7	148.4	143.0
100°	502.9	415.6	338.4	285.5	258.1	239.6	228.1
102.5°	690.0	626.1	544.4	486.9	440.1	417.0	401.5
105°	846.4	854.7	833.6	794.1	754.6	727.2	718.3
107.5°	834.9	901.2	932.1	937.0	934.8	929.4	917.5
110°	799.2	880.8	933.0	960.4	972.6	978.3	977.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	756.8	844.1	904.0	942.1	962.4	973.2	976.6
115°	699.1	782.6	848.2	893.5	922.8	939.4	945.2
117.5°	652.2	728.0	789.5	835.7	866.7	884.1	888.9
120°	627.8	695.3	753.3	797.9	827.9	846.4	852.7
122.5°	607.4	671.3	723.7	763.8	793.2	809.7	815.0
125°	580.6	636.7	684.4	721.5	745.7	761.6	766.7
127.5°	554.6	607.5	651.6	683.9	706.5	720.3	724.4
130°	537.3	587.6	629.7	660.9	682.6	695.3	700.4
132.5°	521.0	567.2	606.7	637.5	659.1	670.8	675.4
135°	495.2	537.3	572.9	600.4	621.4	632.8	635.4
137.5°	474.7	508.1	539.2	564.2	582.3	592.3	596.1
140°	461.5	490.7	518.8	539.2	555.7	565.3	569.2
142.5°	449.7	474.9	498.4	517.8	532.8	541.4	542.1
145°	434.6	454.4	472.9	488.2	499.0	505.4	507.3
147.5°	422.4	437.8	451.3	464.0	472.6	477.0	478.1
150°	414.3	427.6	439.1	448.7	456.3	460.2	460.8
152.5°	407.6	419.0	428.9	436.4	443.0	445.9	446.0
155°	397.1	406.6	413.6	420.6	425.1	427.6	426.4
157.5°	386.4	394.4	399.8	404.8	408.5	409.7	409.7
160°	379.2	386.2	390.7	395.2	398.4	398.9	398.9
162.5°	372.6	378.5	382.0	386.5	388.7	389.3	388.7
165°	362.6	367.1	369.7	372.2	374.7	374.7	374.1
167.5°	353.6	356.6	359.0	360.1	361.5	361.3	360.6
170°	348.0	350.5	351.8	352.5	354.3	353.7	352.5
172.5°	342.9	345.0	345.7	346.3	347.2	346.6	345.8
175°	337.1	337.8	338.4	338.4	339.1	338.4	337.1
177.5°	333.0	333.5	333.5	333.5	333.5	333.0	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4

(END OF REPORT)