

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: P331741-935

Luminaire Tested: **SA2XXRDIP-C1005D530U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331741-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C1005D530U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 530 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

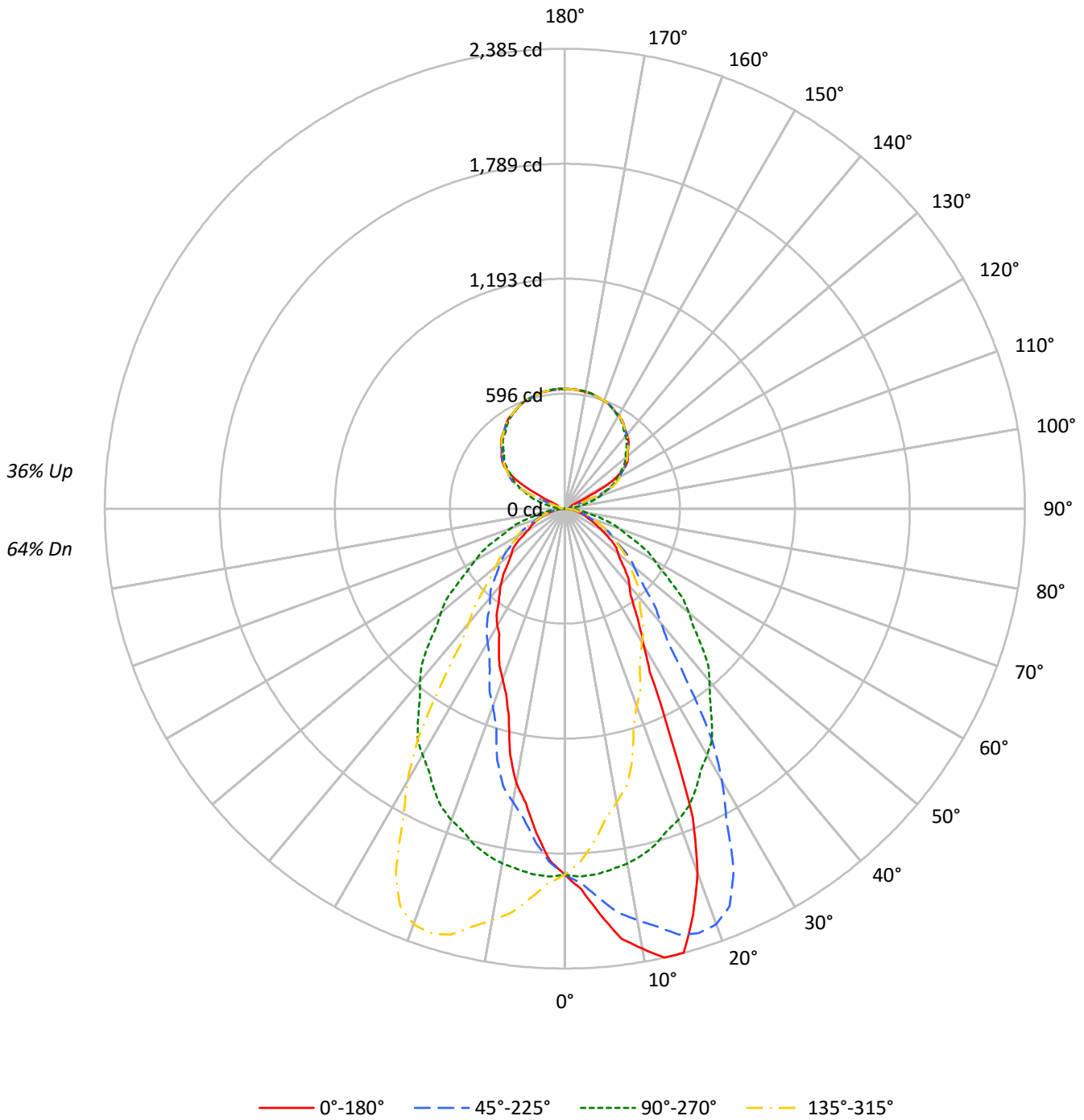
Lumens per Lamp: N/A
Luminaire Lumens: 5103.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 55.1
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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64				
1	102	98	94	91	96	92	89	86	82	79	77	72	70	69	63	62	60	56				
2	94	87	81	76	88	82	77	73	73	69	66	64	61	59	57	54	53	49				
3	86	77	70	65	81	73	67	62	65	60	56	58	54	51	51	48	46	43				
4	80	69	62	56	75	66	59	54	59	53	49	52	48	45	46	43	41	38				
5	74	62	55	49	69	59	52	47	53	48	43	48	43	40	43	39	36	33				
6	68	57	49	43	64	54	47	42	49	43	39	44	39	36	39	35	33	30				
7	64	52	44	39	60	49	42	37	45	39	35	40	36	32	36	32	30	27				
8	59	47	40	35	56	45	38	34	41	35	31	37	32	29	33	30	27	25				
9	56	44	36	31	52	42	35	30	38	32	28	34	30	27	31	27	25	23				
10	52	40	33	29	49	39	32	28	35	30	26	32	28	24	29	25	23	21				

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	3.5
10°-20°	501.6	9.8
20°-30°	646.3	12.7
30°-40°	614.2	12.0
40°-50°	526.2	10.3
50°-60°	400.7	7.9
60°-70°	253.3	5.0
70°-80°	126.5	2.5
80°-90°	34.5	0.7
90°-100°	20.7	0.4
100°-110°	76.0	1.5
110°-120°	203.0	4.0
120°-130°	335.2	6.6
130°-140°	356.5	7.0
140°-150°	331.3	6.5
150°-160°	266.4	5.2
160°-170°	171.7	3.4
170°-180°	59.1	1.2
0°-30°	1327.9	26.0
0°-40°	1942.1	38.1
0°-60°	2869.0	56.2
0°-90°	3283.2	64.3
90°-120°	299.7	5.9
90°-150°	1322.7	25.9
90°-180°	1820.0	35.7
0°-180°	5103.0	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°	12	0	12	0	12	6
95°	19	29	19	29	19	18
105°	34	137	34	137	34	36
115°	37	258	37	258	37	92
125°	384	365	384	365	384	332
135°	467	452	467	452	467	360
145°	532	524	532	524	532	333
155°	578	577	578	577	578	267
165°	607	608	607	608	607	171
175°	619	622	619	622	619	59
180°	621	621	621	621	621	



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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°	10.8	11.4	11.3	11.3	11.3	11.2	11.1	11.5	10.8	11.3	10.6
90°	12.1	12.0	11.7	11.5	11.4	11.0	10.5	10.0	9.5	9.0	8.2
92.5°	12.1	12.1	11.9	11.8	11.6	11.5	11.2	10.9	10.7	10.4	10.0
95°	19.3	19.5	19.5	19.6	19.7	19.5	19.0	18.5	18.0	17.6	16.8
97.5°	25.8	25.7	25.6	25.4	25.3	25.1	24.6	24.3	23.8	23.4	21.9
100°	30.1	29.9	29.7	29.5	29.3	28.8	28.0	27.2	26.4	25.6	23.9
102.5°	32.3	31.9	31.7	31.4	31.2	30.5	29.4	28.4	27.4	26.3	40.6
105°	34.2	33.8	33.3	33.0	32.5	31.8	30.7	29.6	28.5	27.4	54.7
107.5°	35.1	34.7	34.4	33.9	33.6	33.9	35.0	36.2	37.3	38.4	71.0
110°	35.5	35.1	34.7	34.3	33.9	38.7	48.6	58.6	68.6	78.6	107.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	35.8	35.6	35.2	34.9	34.6	52.6	89.0	125.4	161.9	198.4	205.4
115°	36.9	44.0	51.2	58.4	65.6	92.3	138.5	184.8	231.0	277.2	274.7
117.5°	150.4	174.1	197.7	221.3	245.0	262.3	273.5	284.7	295.9	307.0	305.4
120°	274.1	287.6	301.1	314.5	328.0	334.2	332.9	331.7	330.5	329.3	327.5
122.5°	342.0	344.7	347.2	349.9	352.5	353.4	352.8	352.0	351.3	350.6	348.6
125°	384.2	383.9	383.6	383.3	383.0	382.5	381.8	381.1	380.4	379.7	377.8
127.5°	410.8	410.7	410.7	410.6	410.5	410.0	409.0	407.9	406.9	406.0	404.5
130°	427.3	427.4	427.5	427.6	427.7	427.2	426.1	425.0	424.0	422.8	421.7
132.5°	443.5	443.6	443.7	443.8	443.8	443.5	442.6	441.6	440.7	439.7	438.6
135°	466.8	467.1	467.3	467.4	467.7	467.3	466.2	465.3	464.3	463.2	462.4
137.5°	488.2	488.5	488.8	489.1	489.5	489.2	488.2	487.2	486.3	485.3	484.2
140°	501.4	502.0	502.5	502.9	503.4	503.3	502.3	501.4	500.6	499.6	498.5
142.5°	514.4	514.9	515.4	515.9	516.4	516.3	515.4	514.6	513.8	513.0	511.7
145°	532.4	533.0	533.5	534.0	534.4	534.3	533.6	533.0	532.3	531.6	529.9
147.5°	548.4	548.8	549.2	549.7	550.0	550.0	549.5	549.0	548.5	547.9	546.2
150°	558.1	558.5	559.0	559.6	560.1	560.0	559.4	558.8	558.2	557.6	556.0
152.5°	566.4	567.0	567.7	568.3	568.9	569.0	568.4	567.8	567.2	566.6	565.1
155°	577.8	578.7	579.5	580.2	581.0	581.2	580.6	580.0	579.4	578.8	577.6
157.5°	588.3	589.1	589.9	590.6	591.5	591.5	590.8	590.1	589.4	588.8	588.0
160°	594.4	595.1	595.9	596.6	597.3	597.3	596.7	596.1	595.6	595.0	594.3
162.5°	599.5	600.4	601.2	602.1	603.0	603.0	602.4	601.7	601.0	600.3	599.8
165°	607.0	607.8	608.5	609.2	609.8	609.8	609.2	608.5	607.8	607.0	606.7
167.5°	611.8	612.7	613.6	614.5	615.4	615.5	614.8	614.1	613.4	612.7	612.4
170°	614.7	615.6	616.5	617.3	618.3	618.4	617.7	617.0	616.3	615.6	615.4
172.5°	616.8	617.8	618.6	619.6	620.4	620.5	619.8	619.1	618.5	617.8	617.5
175°	618.7	619.7	620.7	621.7	622.8	622.8	622.2	621.5	620.8	620.1	619.8
177.5°	619.9	620.6	621.3	622.1	622.8	622.8	622.3	621.7	621.2	620.6	620.5
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



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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°	10.4	10.8	10.7	9.9	10.2	10.6	13.0	15.4	13.5	12.1	11.3
90°	7.4	6.6	5.8	4.8	3.7	2.7	1.5	0.4	1.5	2.7	3.7
92.5°	9.6	9.2	8.9	8.7	8.8	8.9	9.0	9.0	9.0	8.9	8.8
95°	16.1	15.4	14.7	16.0	19.3	22.6	25.9	29.2	25.9	22.6	19.3
97.5°	20.2	18.6	17.0	20.8	30.1	39.4	48.6	57.9	48.6	39.4	30.1
100°	22.2	20.5	18.9	24.8	38.5	52.2	65.9	79.6	65.9	52.2	38.5
102.5°	54.8	69.0	83.1	91.7	94.5	97.5	100.4	103.2	100.4	97.5	94.5
105°	82.0	109.2	136.5	148.6	145.6	142.6	139.6	136.6	139.6	142.6	145.6
107.5°	103.8	136.5	169.1	184.3	181.8	179.4	177.0	174.6	177.0	179.4	181.8
110°	136.4	165.2	194.1	207.4	205.3	203.3	201.1	199.1	201.1	203.3	205.3



TEST NUMBER: P331741-935

CATALOG NUMBER: SA2XXRDIP-C1005D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	212.6	219.7	226.9	229.5	227.6	225.8	223.9	222.1	223.9	225.8	227.6
115°	272.2	269.8	267.3	265.2	263.5	261.7	260.0	258.4	260.0	261.7	263.5
117.5°	303.7	302.0	300.2	298.4	296.5	294.6	292.7	290.8	292.7	294.6	296.5
120°	325.8	324.0	322.2	320.6	319.0	317.5	316.0	314.5	316.0	317.5	319.0
122.5°	346.6	344.7	342.8	341.0	339.4	337.9	336.2	334.7	336.2	337.9	339.4
125°	375.9	374.0	372.1	370.5	369.2	367.9	366.6	365.3	366.6	367.9	369.2
127.5°	403.1	401.7	400.3	398.8	397.4	396.0	394.5	393.0	394.5	396.0	397.4
130°	420.6	419.6	418.4	417.1	415.5	413.9	412.2	410.7	412.2	413.9	415.5
132.5°	437.6	436.4	435.3	434.1	432.7	431.4	430.0	428.7	430.0	431.4	432.7
135°	461.5	460.5	459.7	458.4	456.8	455.2	453.7	452.0	453.7	455.2	456.8
137.5°	483.3	482.2	481.2	480.1	479.0	477.9	476.7	475.7	476.7	477.9	479.0
140°	497.5	496.4	495.2	494.3	493.5	492.8	491.9	491.1	491.9	492.8	493.5
142.5°	510.4	509.2	507.9	507.0	506.2	505.5	504.8	504.0	504.8	505.5	506.2
145°	528.1	526.5	524.8	524.0	524.1	524.2	524.3	524.3	524.3	524.2	524.1
147.5°	544.6	542.9	541.2	540.5	541.0	541.3	541.7	542.1	541.7	541.3	541.0
150°	554.4	552.8	551.2	550.8	551.5	552.2	552.8	553.5	552.8	552.2	551.5
152.5°	563.6	562.1	560.5	560.2	560.9	561.7	562.5	563.3	562.5	561.7	560.9
155°	576.4	575.1	573.9	573.8	574.7	575.6	576.5	577.4	576.5	575.6	574.7
157.5°	587.1	586.3	585.5	585.4	586.2	586.9	587.7	588.4	587.7	586.9	586.2
160°	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0	594.3	593.7	593.1
162.5°	599.3	598.7	598.2	598.3	598.8	599.4	600.0	600.6	600.0	599.4	598.8
165°	606.4	606.1	605.9	606.0	606.6	607.2	607.8	608.4	607.8	607.2	606.6
167.5°	612.2	611.8	611.6	611.7	612.3	612.9	613.5	614.2	613.5	612.9	612.3
170°	615.2	615.0	614.8	615.0	615.6	616.2	616.8	617.3	616.8	616.2	615.6
172.5°	617.3	617.2	616.9	617.2	617.8	618.4	619.0	619.6	619.0	618.4	617.8
175°	619.7	619.5	619.3	619.5	620.3	621.0	621.6	622.3	621.6	621.0	620.3
177.5°	620.4	620.4	620.3	620.5	621.1	621.6	622.2	622.8	622.2	621.6	621.1
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331741-935

CATALOG NUMBER: SA2XXRDIP-C1005D530U935-4F0-1E-UDD-A

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°	11.0	10.7	9.7	9.9	10.1	9.7	9.8	9.4	9.5	9.6	9.1
90°	4.8	5.8	6.6	7.4	8.2	9.0	9.5	10.0	10.5	11.0	11.4
92.5°	8.7	8.9	9.2	9.6	10.0	10.4	10.7	10.9	11.2	11.5	11.6
95°	16.0	14.7	15.4	16.1	16.8	17.6	18.0	18.5	19.0	19.5	19.7
97.5°	20.8	17.0	18.6	20.2	21.9	23.4	23.8	24.3	24.6	25.1	25.3
100°	24.8	18.9	20.5	22.2	23.9	25.6	26.4	27.2	28.0	28.8	29.3
102.5°	91.7	83.1	69.0	54.8	40.6	26.3	27.4	28.4	29.4	30.5	31.2
105°	148.6	136.5	109.2	82.0	54.7	27.4	28.5	29.6	30.7	31.8	32.5
107.5°	184.3	169.1	136.5	103.8	71.0	38.4	37.3	36.2	35.0	33.9	33.6
110°	207.4	194.1	165.2	136.4	107.5	78.6	68.6	58.6	48.6	38.7	33.9



TEST NUMBER: P331741-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	229.5	226.9	219.7	212.6	205.4	198.4	161.9	125.4	89.0	52.6	34.6
115°	265.2	267.3	269.8	272.2	274.7	277.2	231.0	184.8	138.5	92.3	65.6
117.5°	298.4	300.2	302.0	303.7	305.4	307.0	295.9	284.7	273.5	262.3	245.0
120°	320.6	322.2	324.0	325.8	327.5	329.3	330.5	331.7	332.9	334.2	328.0
122.5°	341.0	342.8	344.7	346.6	348.6	350.6	351.3	352.0	352.8	353.4	352.5
125°	370.5	372.1	374.0	375.9	377.8	379.7	380.4	381.1	381.8	382.5	383.0
127.5°	398.8	400.3	401.7	403.1	404.5	406.0	406.9	407.9	409.0	410.0	410.5
130°	417.1	418.4	419.6	420.6	421.7	422.8	424.0	425.0	426.1	427.2	427.7
132.5°	434.1	435.3	436.4	437.6	438.6	439.7	440.7	441.6	442.6	443.5	443.8
135°	458.4	459.7	460.5	461.5	462.4	463.2	464.3	465.3	466.2	467.3	467.7
137.5°	480.1	481.2	482.2	483.3	484.2	485.3	486.3	487.2	488.2	489.2	489.5
140°	494.3	495.2	496.4	497.5	498.5	499.6	500.6	501.4	502.3	503.3	503.4
142.5°	507.0	507.9	509.2	510.4	511.7	513.0	513.8	514.6	515.4	516.3	516.4
145°	524.0	524.8	526.5	528.1	529.9	531.6	532.3	533.0	533.6	534.3	534.4
147.5°	540.5	541.2	542.9	544.6	546.2	547.9	548.5	549.0	549.5	550.0	550.0
150°	550.8	551.2	552.8	554.4	556.0	557.6	558.2	558.8	559.4	560.0	560.1
152.5°	560.2	560.5	562.1	563.6	565.1	566.6	567.2	567.8	568.4	569.0	568.9
155°	573.8	573.9	575.1	576.4	577.6	578.8	579.4	580.0	580.6	581.2	581.0
157.5°	585.4	585.5	586.3	587.1	588.0	588.8	589.4	590.1	590.8	591.5	591.5
160°	592.5	592.5	593.1	593.7	594.3	595.0	595.6	596.1	596.7	597.3	597.3
162.5°	598.3	598.2	598.7	599.3	599.8	600.3	601.0	601.7	602.4	603.0	603.0
165°	606.0	605.9	606.1	606.4	606.7	607.0	607.8	608.5	609.2	609.8	609.8
167.5°	611.7	611.6	611.8	612.2	612.4	612.7	613.4	614.1	614.8	615.5	615.4
170°	615.0	614.8	615.0	615.2	615.4	615.6	616.3	617.0	617.7	618.4	618.3
172.5°	617.2	616.9	617.2	617.3	617.5	617.8	618.5	619.1	619.8	620.5	620.4
175°	619.5	619.3	619.5	619.7	619.8	620.1	620.8	621.5	622.2	622.8	622.8
177.5°	620.5	620.3	620.4	620.4	620.5	620.6	621.2	621.7	622.3	622.8	622.8
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331741-935

CATALOG NUMBER: SA2XXRDIP-C1005D530U935-4F0-1E-UDD-A

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°	9.1	8.7	9.2	8.8	9.2	8.7	9.1	9.1	9.6	9.5	9.4
90°	11.5	11.7	12.0	12.1	12.0	11.7	11.5	11.4	11.0	10.5	10.0
92.5°	11.8	11.9	12.1	12.1	12.1	11.9	11.8	11.6	11.5	11.2	10.9
95°	19.6	19.5	19.5	19.3	19.5	19.5	19.6	19.7	19.5	19.0	18.5
97.5°	25.4	25.6	25.7	25.8	25.7	25.6	25.4	25.3	25.1	24.6	24.3
100°	29.5	29.7	29.9	30.1	29.9	29.7	29.5	29.3	28.8	28.0	27.2
102.5°	31.4	31.7	31.9	32.3	31.9	31.7	31.4	31.2	30.5	29.4	28.4
105°	33.0	33.3	33.8	34.2	33.8	33.3	33.0	32.5	31.8	30.7	29.6
107.5°	33.9	34.4	34.7	35.1	34.7	34.4	33.9	33.6	33.9	35.0	36.2
110°	34.3	34.7	35.1	35.5	35.1	34.7	34.3	33.9	38.7	48.6	58.6



TEST NUMBER: P331741-935

CATALOG NUMBER: SA2XXRDIP-C1005D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	34.9	35.2	35.6	35.8	35.6	35.2	34.9	34.6	52.6	89.0	125.4
115°	58.4	51.2	44.0	36.9	44.0	51.2	58.4	65.6	92.3	138.5	184.8
117.5°	221.3	197.7	174.1	150.4	174.1	197.7	221.3	245.0	262.3	273.5	284.7
120°	314.5	301.1	287.6	274.1	287.6	301.1	314.5	328.0	334.2	332.9	331.7
122.5°	349.9	347.2	344.7	342.0	344.7	347.2	349.9	352.5	353.4	352.8	352.0
125°	383.3	383.6	383.9	384.2	383.9	383.6	383.3	383.0	382.5	381.8	381.1
127.5°	410.6	410.7	410.7	410.8	410.7	410.7	410.6	410.5	410.0	409.0	407.9
130°	427.6	427.5	427.4	427.3	427.4	427.5	427.6	427.7	427.2	426.1	425.0
132.5°	443.8	443.7	443.6	443.5	443.6	443.7	443.8	443.8	443.5	442.6	441.6
135°	467.4	467.3	467.1	466.8	467.1	467.3	467.4	467.7	467.3	466.2	465.3
137.5°	489.1	488.8	488.5	488.2	488.5	488.8	489.1	489.5	489.2	488.2	487.2
140°	502.9	502.5	502.0	501.4	502.0	502.5	502.9	503.4	503.3	502.3	501.4
142.5°	515.9	515.4	514.9	514.4	514.9	515.4	515.9	516.4	516.3	515.4	514.6
145°	534.0	533.5	533.0	532.4	533.0	533.5	534.0	534.4	534.3	533.6	533.0
147.5°	549.7	549.2	548.8	548.4	548.8	549.2	549.7	550.0	550.0	549.5	549.0
150°	559.6	559.0	558.5	558.1	558.5	559.0	559.6	560.1	560.0	559.4	558.8
152.5°	568.3	567.7	567.0	566.4	567.0	567.7	568.3	568.9	569.0	568.4	567.8
155°	580.2	579.5	578.7	577.8	578.7	579.5	580.2	581.0	581.2	580.6	580.0
157.5°	590.6	589.9	589.1	588.3	589.1	589.9	590.6	591.5	591.5	590.8	590.1
160°	596.6	595.9	595.1	594.4	595.1	595.9	596.6	597.3	597.3	596.7	596.1
162.5°	602.1	601.2	600.4	599.5	600.4	601.2	602.1	603.0	603.0	602.4	601.7
165°	609.2	608.5	607.8	607.0	607.8	608.5	609.2	609.8	609.8	609.2	608.5
167.5°	614.5	613.6	612.7	611.8	612.7	613.6	614.5	615.4	615.5	614.8	614.1
170°	617.3	616.5	615.6	614.7	615.6	616.5	617.3	618.3	618.4	617.7	617.0
172.5°	619.6	618.6	617.8	616.8	617.8	618.6	619.6	620.4	620.5	619.8	619.1
175°	621.7	620.7	619.7	618.7	619.7	620.7	621.7	622.8	622.8	622.2	621.5
177.5°	622.1	621.3	620.6	619.9	620.6	621.3	622.1	622.8	622.8	622.3	621.7
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331741-935

CATALOG NUMBER: SA2XXRDIP-C1005D530U935-4F0-1E-UDD-A

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°	9.8	9.7	10.1	9.9	9.7	10.7	11.0	11.3	12.1	13.5	15.4
90°	9.5	9.0	8.2	7.4	6.6	5.8	4.8	3.7	2.7	1.5	0.4
92.5°	10.7	10.4	10.0	9.6	9.2	8.9	8.7	8.8	8.9	9.0	9.0
95°	18.0	17.6	16.8	16.1	15.4	14.7	16.0	19.3	22.6	25.9	29.2
97.5°	23.8	23.4	21.9	20.2	18.6	17.0	20.8	30.1	39.4	48.6	57.9
100°	26.4	25.6	23.9	22.2	20.5	18.9	24.8	38.5	52.2	65.9	79.6
102.5°	27.4	26.3	40.6	54.8	69.0	83.1	91.7	94.5	97.5	100.4	103.2
105°	28.5	27.4	54.7	82.0	109.2	136.5	148.6	145.6	142.6	139.6	136.6
107.5°	37.3	38.4	71.0	103.8	136.5	169.1	184.3	181.8	179.4	177.0	174.6
110°	68.6	78.6	107.5	136.4	165.2	194.1	207.4	205.3	203.3	201.1	199.1



TEST NUMBER: P331741-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	161.9	198.4	205.4	212.6	219.7	226.9	229.5	227.6	225.8	223.9	222.1
115°	231.0	277.2	274.7	272.2	269.8	267.3	265.2	263.5	261.7	260.0	258.4
117.5°	295.9	307.0	305.4	303.7	302.0	300.2	298.4	296.5	294.6	292.7	290.8
120°	330.5	329.3	327.5	325.8	324.0	322.2	320.6	319.0	317.5	316.0	314.5
122.5°	351.3	350.6	348.6	346.6	344.7	342.8	341.0	339.4	337.9	336.2	334.7
125°	380.4	379.7	377.8	375.9	374.0	372.1	370.5	369.2	367.9	366.6	365.3
127.5°	406.9	406.0	404.5	403.1	401.7	400.3	398.8	397.4	396.0	394.5	393.0
130°	424.0	422.8	421.7	420.6	419.6	418.4	417.1	415.5	413.9	412.2	410.7
132.5°	440.7	439.7	438.6	437.6	436.4	435.3	434.1	432.7	431.4	430.0	428.7
135°	464.3	463.2	462.4	461.5	460.5	459.7	458.4	456.8	455.2	453.7	452.0
137.5°	486.3	485.3	484.2	483.3	482.2	481.2	480.1	479.0	477.9	476.7	475.7
140°	500.6	499.6	498.5	497.5	496.4	495.2	494.3	493.5	492.8	491.9	491.1
142.5°	513.8	513.0	511.7	510.4	509.2	507.9	507.0	506.2	505.5	504.8	504.0
145°	532.3	531.6	529.9	528.1	526.5	524.8	524.0	524.1	524.2	524.3	524.3
147.5°	548.5	547.9	546.2	544.6	542.9	541.2	540.5	541.0	541.3	541.7	542.1
150°	558.2	557.6	556.0	554.4	552.8	551.2	550.8	551.5	552.2	552.8	553.5
152.5°	567.2	566.6	565.1	563.6	562.1	560.5	560.2	560.9	561.7	562.5	563.3
155°	579.4	578.8	577.6	576.4	575.1	573.9	573.8	574.7	575.6	576.5	577.4
157.5°	589.4	588.8	588.0	587.1	586.3	585.5	585.4	586.2	586.9	587.7	588.4
160°	595.6	595.0	594.3	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0
162.5°	601.0	600.3	599.8	599.3	598.7	598.2	598.3	598.8	599.4	600.0	600.6
165°	607.8	607.0	606.7	606.4	606.1	605.9	606.0	606.6	607.2	607.8	608.4
167.5°	613.4	612.7	612.4	612.2	611.8	611.6	611.7	612.3	612.9	613.5	614.2
170°	616.3	615.6	615.4	615.2	615.0	614.8	615.0	615.6	616.2	616.8	617.3
172.5°	618.5	617.8	617.5	617.3	617.2	616.9	617.2	617.8	618.4	619.0	619.6
175°	620.8	620.1	619.8	619.7	619.5	619.3	619.5	620.3	621.0	621.6	622.3
177.5°	621.2	620.6	620.5	620.4	620.4	620.3	620.5	621.1	621.6	622.2	622.8
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331741-935

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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°	13.0	10.6	10.2	9.9	10.7	10.8	10.4	10.6	11.3	10.8	11.5
90°	1.5	2.7	3.7	4.8	5.8	6.6	7.4	8.2	9.0	9.5	10.0
92.5°	9.0	8.9	8.8	8.7	8.9	9.2	9.6	10.0	10.4	10.7	10.9
95°	25.9	22.6	19.3	16.0	14.7	15.4	16.1	16.8	17.6	18.0	18.5
97.5°	48.6	39.4	30.1	20.8	17.0	18.6	20.2	21.9	23.4	23.8	24.3
100°	65.9	52.2	38.5	24.8	18.9	20.5	22.2	23.9	25.6	26.4	27.2
102.5°	100.4	97.5	94.5	91.7	83.1	69.0	54.8	40.6	26.3	27.4	28.4
105°	139.6	142.6	145.6	148.6	136.5	109.2	82.0	54.7	27.4	28.5	29.6
107.5°	177.0	179.4	181.8	184.3	169.1	136.5	103.8	71.0	38.4	37.3	36.2
110°	201.1	203.3	205.3	207.4	194.1	165.2	136.4	107.5	78.6	68.6	58.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	223.9	225.8	227.6	229.5	226.9	219.7	212.6	205.4	198.4	161.9	125.4
115°	260.0	261.7	263.5	265.2	267.3	269.8	272.2	274.7	277.2	231.0	184.8
117.5°	292.7	294.6	296.5	298.4	300.2	302.0	303.7	305.4	307.0	295.9	284.7
120°	316.0	317.5	319.0	320.6	322.2	324.0	325.8	327.5	329.3	330.5	331.7
122.5°	336.2	337.9	339.4	341.0	342.8	344.7	346.6	348.6	350.6	351.3	352.0
125°	366.6	367.9	369.2	370.5	372.1	374.0	375.9	377.8	379.7	380.4	381.1
127.5°	394.5	396.0	397.4	398.8	400.3	401.7	403.1	404.5	406.0	406.9	407.9
130°	412.2	413.9	415.5	417.1	418.4	419.6	420.6	421.7	422.8	424.0	425.0
132.5°	430.0	431.4	432.7	434.1	435.3	436.4	437.6	438.6	439.7	440.7	441.6
135°	453.7	455.2	456.8	458.4	459.7	460.5	461.5	462.4	463.2	464.3	465.3
137.5°	476.7	477.9	479.0	480.1	481.2	482.2	483.3	484.2	485.3	486.3	487.2
140°	491.9	492.8	493.5	494.3	495.2	496.4	497.5	498.5	499.6	500.6	501.4
142.5°	504.8	505.5	506.2	507.0	507.9	509.2	510.4	511.7	513.0	513.8	514.6
145°	524.3	524.2	524.1	524.0	524.8	526.5	528.1	529.9	531.6	532.3	533.0
147.5°	541.7	541.3	541.0	540.5	541.2	542.9	544.6	546.2	547.9	548.5	549.0
150°	552.8	552.2	551.5	550.8	551.2	552.8	554.4	556.0	557.6	558.2	558.8
152.5°	562.5	561.7	560.9	560.2	560.5	562.1	563.6	565.1	566.6	567.2	567.8
155°	576.5	575.6	574.7	573.8	573.9	575.1	576.4	577.6	578.8	579.4	580.0
157.5°	587.7	586.9	586.2	585.4	585.5	586.3	587.1	588.0	588.8	589.4	590.1
160°	594.3	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0	595.6	596.1
162.5°	600.0	599.4	598.8	598.3	598.2	598.7	599.3	599.8	600.3	601.0	601.7
165°	607.8	607.2	606.6	606.0	605.9	606.1	606.4	606.7	607.0	607.8	608.5
167.5°	613.5	612.9	612.3	611.7	611.6	611.8	612.2	612.4	612.7	613.4	614.1
170°	616.8	616.2	615.6	615.0	614.8	615.0	615.2	615.4	615.6	616.3	617.0
172.5°	619.0	618.4	617.8	617.2	616.9	617.2	617.3	617.5	617.8	618.5	619.1
175°	621.6	621.0	620.3	619.5	619.3	619.5	619.7	619.8	620.1	620.8	621.5
177.5°	622.2	621.6	621.1	620.5	620.3	620.4	620.4	620.5	620.6	621.2	621.7
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



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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°	11.1	11.2	11.3	11.3	11.3	11.4	10.8
90°	10.5	11.0	11.4	11.5	11.7	12.0	12.1
92.5°	11.2	11.5	11.6	11.8	11.9	12.1	12.1
95°	19.0	19.5	19.7	19.6	19.5	19.5	19.3
97.5°	24.6	25.1	25.3	25.4	25.6	25.7	25.8
100°	28.0	28.8	29.3	29.5	29.7	29.9	30.1
102.5°	29.4	30.5	31.2	31.4	31.7	31.9	32.3
105°	30.7	31.8	32.5	33.0	33.3	33.8	34.2
107.5°	35.0	33.9	33.6	33.9	34.4	34.7	35.1
110°	48.6	38.7	33.9	34.3	34.7	35.1	35.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	89.0	52.6	34.6	34.9	35.2	35.6	35.8
115°	138.5	92.3	65.6	58.4	51.2	44.0	36.9
117.5°	273.5	262.3	245.0	221.3	197.7	174.1	150.4
120°	332.9	334.2	328.0	314.5	301.1	287.6	274.1
122.5°	352.8	353.4	352.5	349.9	347.2	344.7	342.0
125°	381.8	382.5	383.0	383.3	383.6	383.9	384.2
127.5°	409.0	410.0	410.5	410.6	410.7	410.7	410.8
130°	426.1	427.2	427.7	427.6	427.5	427.4	427.3
132.5°	442.6	443.5	443.8	443.8	443.7	443.6	443.5
135°	466.2	467.3	467.7	467.4	467.3	467.1	466.8
137.5°	488.2	489.2	489.5	489.1	488.8	488.5	488.2
140°	502.3	503.3	503.4	502.9	502.5	502.0	501.4
142.5°	515.4	516.3	516.4	515.9	515.4	514.9	514.4
145°	533.6	534.3	534.4	534.0	533.5	533.0	532.4
147.5°	549.5	550.0	550.0	549.7	549.2	548.8	548.4
150°	559.4	560.0	560.1	559.6	559.0	558.5	558.1
152.5°	568.4	569.0	568.9	568.3	567.7	567.0	566.4
155°	580.6	581.2	581.0	580.2	579.5	578.7	577.8
157.5°	590.8	591.5	591.5	590.6	589.9	589.1	588.3
160°	596.7	597.3	597.3	596.6	595.9	595.1	594.4
162.5°	602.4	603.0	603.0	602.1	601.2	600.4	599.5
165°	609.2	609.8	609.8	609.2	608.5	607.8	607.0
167.5°	614.8	615.5	615.4	614.5	613.6	612.7	611.8
170°	617.7	618.4	618.3	617.3	616.5	615.6	614.7
172.5°	619.8	620.5	620.4	619.6	618.6	617.8	616.8
175°	622.2	622.8	622.8	621.7	620.7	619.7	618.7
177.5°	622.3	622.8	622.8	622.1	621.3	620.6	619.9
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0

(END OF REPORT)