

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: P332455-830

Luminaire Tested: **S123RDIW-S1000D755U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332455-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S1000D755U830-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6200.9 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

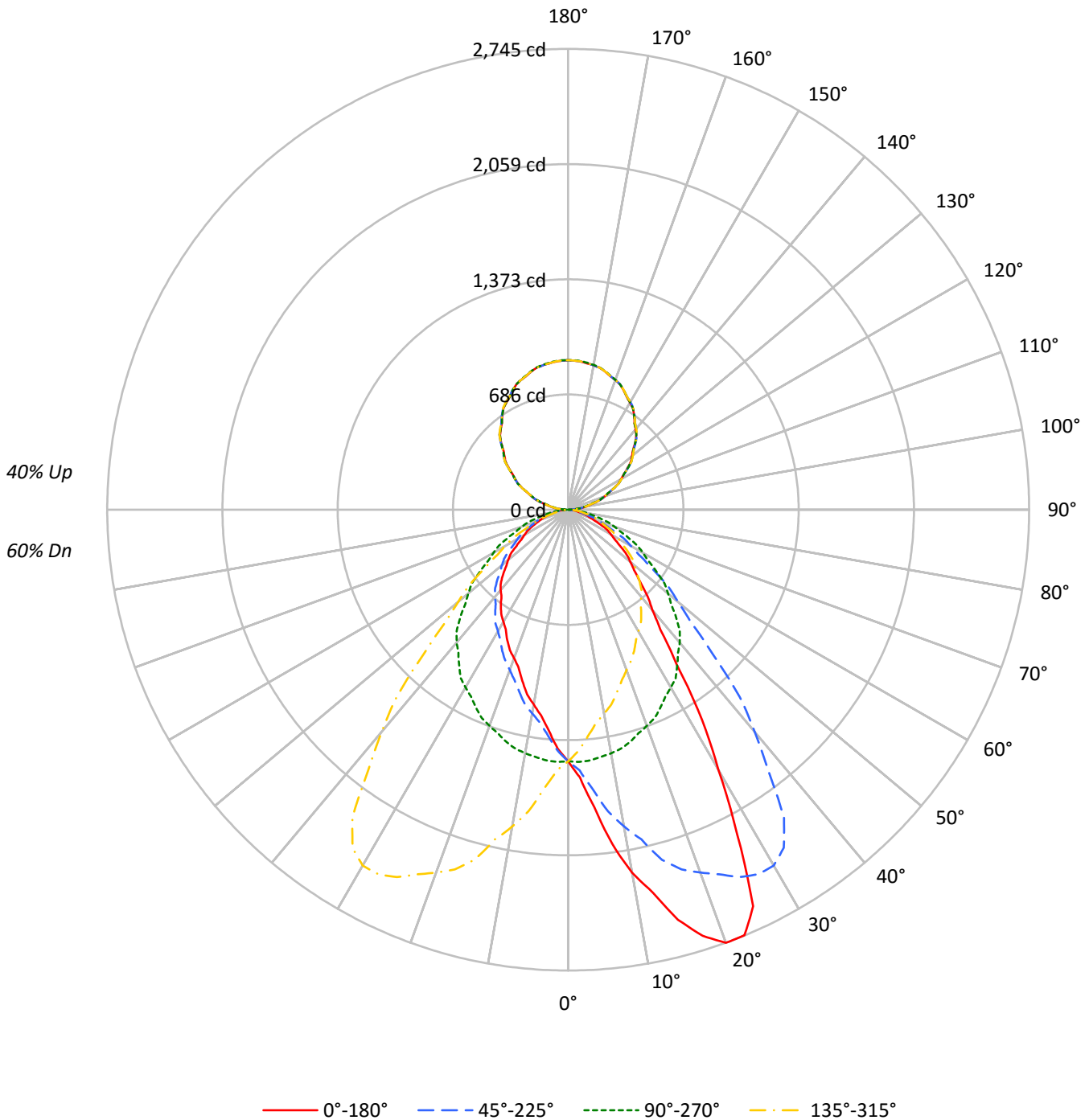
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	65	65	65	60
1	101	97	93	90	94	91	87	84	79	77	75	69	67	65	59	58	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	76	68	63	79	71	65	60	63	58	54	55	51	48	47	45	42	39
4	78	67	60	54	73	63	57	51	56	51	46	49	45	42	43	40	37	34
5	72	60	52	47	67	57	50	45	51	45	41	45	40	37	39	35	33	30
6	66	55	47	41	62	52	44	39	46	40	36	40	36	32	36	32	29	26
7	62	49	42	36	58	47	40	35	42	36	32	37	32	29	33	29	26	24
8	57	45	37	32	54	43	36	31	38	33	28	34	29	26	30	26	24	21
9	53	41	34	29	50	39	32	28	35	30	26	31	27	24	28	24	21	19
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16129	16129	16129	16129
5°	19225	16197	14263	16197
10°	24004	16104	12885	16104
15°	28178	15940	11751	15940
20°	31447	15694	10786	15694
25°	30945	15435	10194	15435
30°	22243	15196	9583	15196
35°	14851	14884	9188	14884
40°	10942	14511	8778	14511
45°	9178	13855	8378	13855
50°	8098	12996	7819	12996
55°	7101	12014	7054	12014
60°	6325	11074	6463	11074
65°	5555	10063	6011	10063
70°	4362	9165	5492	9165
75°	3843	8006	5016	8006
80°	3341	6800	4934	6800
85°	2692	5471	5224	5471



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	2.4
10°-20°	460.3	7.4
20°-30°	723.2	11.7
30°-40°	754.5	12.2
40°-50°	645.7	10.4
50°-60°	492.2	7.9
60°-70°	315.5	5.1
70°-80°	151.8	2.4
80°-90°	42.8	0.7
90°-100°	58.0	0.9
100°-110°	173.6	2.8
110°-120°	295.3	4.8
120°-130°	388.5	6.3
130°-140°	436.7	7.0
140°-150°	429.2	6.9
150°-160°	361.3	5.8
160°-170°	240.5	3.9
170°-180°	84.2	1.4
0°-30°	1330.9	21.5
0°-40°	2085.5	33.6
0°-60°	3223.3	52.0
0°-90°	3733.4	60.2
90°-120°	527.0	8.5
90°-150°	1781.4	28.7
90°-180°	2468.0	39.8
0°-180°	6200.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1498	1498	1498	1498	1498	
5°	1779	1499	1320	1499	1779	184
15°	2529	1430	1054	1430	2529	717
25°	2606	1300	858	1300	2606	1120
35°	1130	1133	699	1133	1130	741
45°	603	910	550	910	603	474
55°	378	640	376	640	378	342
65°	218	395	236	395	218	215
75°	92	192	121	192	92	99
85°	22	44	42	44	22	26
90°	21	1	21	1	21	11
95°	55	41	55	41	55	56
105°	166	157	166	157	166	177
115°	298	297	298	297	298	295
125°	430	435	430	435	430	385
135°	564	565	564	565	564	434
145°	685	685	685	685	685	427
155°	783	784	783	784	783	360
165°	851	854	851	854	851	240
175°	885	888	885	888	885	84
180°	891	891	891	891	891	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1595.9	1597.9	1591.3	1590.3	1582.5	1580.5	1580.5	1569.7	1563.0	1554.3	1549.2
5°	1779.3	1789.6	1784.4	1772.9	1753.7	1749.2	1737.0	1717.8	1695.9	1669.0	1656.1
7.5°	2008.5	2022.4	2017.0	1999.2	1979.1	1962.8	1928.4	1896.5	1851.7	1812.4	1778.9
10°	2196.2	2181.5	2169.9	2152.7	2134.0	2103.8	2067.9	2018.5	1961.5	1916.6	1866.6
12.5°	2336.8	2334.4	2319.8	2302.0	2275.7	2247.0	2202.9	2142.8	2076.4	2011.6	1954.3
15°	2528.6	2532.3	2522.7	2504.1	2466.9	2416.3	2349.6	2324.6	2229.6	2159.1	2088.5
17.5°	2661.2	2660.4	2659.1	2633.4	2595.4	2559.3	2497.5	2431.7	2345.7	2246.3	2151.3
20°	2745.3	2738.9	2740.2	2711.3	2683.1	2641.4	2581.2	2485.6	2415.0	2300.2	2202.1
22.5°	2743.3	2742.0	2746.9	2737.0	2716.5	2684.5	2637.0	2556.4	2466.3	2350.4	2240.0
25°	2605.5	2600.4	2630.5	2638.8	2671.5	2677.3	2663.2	2618.9	2533.6	2414.3	2277.7
27.5°	2180.6	2177.7	2233.7	2303.8	2392.6	2461.5	2528.3	2560.5	2533.6	2448.3	2311.3
30°	1789.6	1849.9	1878.1	1979.4	2092.4	2227.0	2345.0	2457.3	2484.9	2447.7	2335.4
32.5°	1485.8	1538.4	1562.0	1649.0	1754.2	1911.9	2089.1	2248.0	2360.2	2388.7	2321.1
35°	1130.2	1130.9	1184.7	1223.2	1320.7	1483.0	1654.9	1867.8	2079.5	2239.9	2256.5
37.5°	901.8	905.0	937.6	976.0	1049.1	1134.9	1286.3	1463.4	1707.9	1954.1	2098.4
40°	778.7	784.5	808.9	846.7	899.3	964.0	1082.1	1248.9	1452.8	1726.7	1950.6
42.5°	699.6	709.1	721.6	750.7	783.3	844.0	939.4	1068.3	1253.8	1512.8	1771.0
45°	602.9	608.0	617.7	631.1	660.6	703.0	767.1	853.8	1007.7	1216.2	1474.6
47.5°	531.9	529.1	539.3	550.3	569.9	598.7	641.7	712.4	822.2	989.5	1208.7
50°	483.6	483.0	490.0	498.4	517.0	538.2	573.4	626.7	713.9	852.4	1053.2
52.5°	438.5	440.9	445.9	456.3	469.8	486.8	518.5	556.9	631.8	751.4	918.8
55°	378.4	380.4	387.4	393.2	402.8	420.1	440.0	472.1	523.4	606.8	744.7
57.5°	327.6	326.8	333.6	335.0	345.8	360.0	375.3	400.3	437.4	499.5	592.3
60°	293.8	291.8	297.7	302.1	307.9	319.4	332.2	356.7	386.2	431.7	511.2
62.5°	263.0	262.1	266.4	270.8	275.6	286.1	296.9	315.6	338.9	377.3	440.5
65°	218.1	220.0	222.0	223.9	226.4	232.8	243.1	255.9	271.9	298.9	344.4
67.5°	171.4	173.3	174.0	178.0	183.4	187.5	193.7	205.1	216.3	239.0	264.9
70°	138.6	137.9	138.6	140.4	147.5	154.6	163.0	171.3	178.3	194.4	216.1
72.5°	119.0	117.9	119.6	120.0	123.4	125.4	130.6	138.5	147.5	158.4	174.1
75°	92.4	92.4	92.4	92.4	94.9	96.2	98.1	100.1	103.3	108.4	120.0
77.5°	68.2	68.3	69.3	69.9	70.4	71.2	72.4	74.3	75.4	78.1	83.1
80°	53.9	54.5	53.9	54.5	54.5	55.8	56.5	58.3	59.0	62.2	64.2
82.5°	40.5	40.2	40.5	41.2	41.2	42.5	42.6	44.0	44.1	45.8	47.7
85°	21.8	20.5	21.8	21.2	22.4	21.2	21.8	23.1	23.1	23.8	26.3
87.5°	9.3	10.3	9.2	9.6	9.6	10.0	9.9	9.8	10.7	10.0	10.2
90°	21.0	20.6	20.4	20.1	19.7	19.3	18.7	18.0	17.4	16.8	14.8
92.5°	28.3	28.5	28.7	28.8	29.0	28.8	28.4	27.9	27.3	26.9	25.7
95°	54.6	54.6	54.6	54.6	54.6	54.3	53.6	53.0	52.4	51.7	50.5
97.5°	84.0	84.0	84.1	84.2	84.2	83.9	83.1	82.5	81.7	81.1	80.1
100°	106.3	106.0	105.8	105.4	105.1	104.7	104.2	103.8	103.3	102.8	102.1
102.5°	129.3	129.3	129.4	129.5	129.5	129.3	128.8	128.4	127.9	127.4	126.4
105°	166.5	166.2	165.9	165.6	165.2	165.1	165.1	165.1	165.1	165.1	163.7
107.5°	205.3	205.5	205.7	205.9	206.0	205.9	205.4	204.8	204.3	203.9	203.3
110°	231.6	231.9	232.1	232.5	232.8	232.6	232.1	231.4	230.8	230.2	229.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	259.6	259.6	259.7	259.8	259.8	259.5	258.7	258.0	257.2	256.5	256.4
115°	298.0	298.2	298.3	298.5	298.7	298.7	298.5	298.3	298.2	298.0	298.3
117.5°	337.1	337.5	337.9	338.4	338.8	339.0	339.0	339.1	339.1	339.1	339.6
120°	364.5	364.8	365.1	365.4	365.7	366.0	366.1	366.3	366.5	366.6	367.4
122.5°	390.8	391.2	391.6	392.1	392.6	392.9	393.3	393.8	394.2	394.5	395.0
125°	430.3	430.8	431.5	432.2	432.7	433.4	433.9	434.6	435.3	435.8	436.1
127.5°	469.6	470.3	471.0	471.7	472.4	473.3	474.1	474.9	475.8	476.7	477.0
130°	495.3	496.4	497.5	498.6	499.6	500.5	501.1	501.8	502.4	503.0	503.5
132.5°	522.2	523.0	523.9	524.7	525.6	526.3	527.1	527.8	528.6	529.3	529.6
135°	563.8	564.2	564.5	564.8	565.1	565.6	566.2	566.8	567.4	568.1	568.3
137.5°	600.7	601.2	601.8	602.5	603.0	603.7	604.3	604.9	605.6	606.2	605.9
140°	624.7	625.8	626.9	628.0	629.1	629.7	629.9	630.0	630.2	630.4	630.2
142.5°	649.3	650.2	651.0	651.9	652.7	653.2	653.4	653.6	653.7	653.8	653.6
145°	684.9	685.5	686.2	686.7	687.4	687.8	688.0	688.1	688.2	688.4	688.0
147.5°	716.5	717.5	718.4	719.3	720.3	720.8	720.8	720.8	720.8	720.8	720.3
150°	736.7	737.6	738.6	739.4	740.4	740.8	740.8	740.8	740.8	740.8	740.6
152.5°	756.3	757.1	757.9	758.7	759.5	759.8	759.5	759.3	759.0	758.7	758.6
155°	782.9	783.9	785.0	786.1	787.2	787.4	786.8	786.2	785.6	784.9	784.8
157.5°	807.0	807.9	808.8	809.6	810.5	810.7	810.0	809.4	808.7	808.0	807.9
160°	822.7	823.3	824.0	824.6	825.2	825.1	824.3	823.6	822.8	822.0	822.0
162.5°	834.4	835.5	836.5	837.4	838.5	838.6	837.8	837.0	836.2	835.5	835.4
165°	851.4	852.5	853.6	854.7	855.7	855.8	854.9	853.9	853.0	852.1	852.1
167.5°	865.8	866.8	867.7	868.7	869.7	869.7	868.7	867.7	866.8	865.8	865.7
170°	873.1	874.2	875.2	876.4	877.4	877.4	876.4	875.2	874.2	873.1	873.1
172.5°	878.7	879.8	880.9	881.9	883.1	883.1	882.1	881.2	880.2	879.2	879.2
175°	885.0	886.1	887.1	888.3	889.4	889.4	888.4	887.6	886.6	885.7	885.7
177.5°	888.3	889.2	890.0	891.0	891.8	891.9	891.2	890.4	889.7	888.9	888.9
180°	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1547.1	1545.6	1538.4	1530.2	1519.4	1512.2	1506.6	1503.5	1494.3	1483.0	1475.3
5°	1642.7	1623.4	1603.0	1577.9	1554.8	1531.1	1516.4	1499.0	1477.8	1454.2	1437.5
7.5°	1745.1	1707.3	1666.7	1624.8	1583.3	1546.1	1513.3	1485.2	1451.4	1417.4	1393.5
10°	1823.6	1768.4	1711.4	1652.9	1599.7	1549.7	1511.2	1473.4	1432.9	1393.8	1364.3
12.5°	1894.9	1822.3	1756.5	1684.8	1616.6	1556.9	1501.5	1457.0	1408.3	1366.6	1333.0
15°	1985.2	1910.8	1831.3	1722.2	1631.8	1556.1	1488.7	1430.4	1371.4	1320.0	1287.3
17.5°	2069.6	1957.7	1850.8	1759.8	1642.3	1547.7	1465.6	1395.7	1331.0	1276.6	1236.3
20°	2104.5	1996.1	1880.0	1764.0	1648.5	1542.7	1447.1	1370.1	1302.8	1241.1	1204.0
22.5°	2125.5	2002.8	1880.6	1755.8	1633.0	1523.1	1428.6	1344.0	1270.9	1212.4	1166.5
25°	2150.0	2003.8	1869.2	1746.0	1620.9	1501.6	1389.3	1299.6	1220.7	1158.4	1109.7
27.5°	2166.2	1994.2	1835.0	1698.1	1571.2	1452.5	1349.5	1254.3	1174.3	1108.5	1056.2
30°	2169.4	1986.5	1808.8	1660.7	1531.7	1422.7	1313.6	1222.6	1137.9	1068.0	1019.3
32.5°	2173.4	1967.6	1773.4	1616.0	1484.0	1376.0	1277.2	1190.2	1103.5	1034.6	984.9
35°	2156.5	1957.0	1719.7	1538.8	1406.7	1302.1	1213.0	1132.7	1047.4	980.7	930.1
37.5°	2083.6	1915.3	1664.0	1451.8	1313.6	1216.8	1144.2	1074.3	996.0	924.1	876.3
40°	2010.3	1874.2	1620.9	1398.9	1254.6	1155.2	1089.8	1032.7	957.1	889.7	838.4
42.5°	1900.9	1818.4	1579.9	1343.5	1187.9	1092.1	1036.9	983.4	917.0	848.6	800.4
45°	1700.4	1711.4	1495.8	1255.3	1095.5	999.4	947.3	910.2	851.2	794.8	745.4
47.5°	1449.0	1551.0	1397.1	1161.2	998.2	907.9	862.4	830.0	790.2	734.8	689.8
50°	1284.8	1430.4	1318.1	1098.2	937.2	847.3	802.4	776.1	741.5	697.9	654.9
52.5°	1133.4	1289.8	1222.7	1027.8	870.9	788.8	745.0	723.3	695.8	654.8	615.9
55°	924.3	1082.7	1067.3	921.7	771.7	697.9	664.5	640.2	621.5	590.8	560.0
57.5°	747.6	897.9	905.8	803.7	684.2	611.2	582.6	564.2	552.0	528.8	500.3
60°	636.3	774.2	801.2	724.2	621.5	557.4	529.1	514.4	504.8	486.2	464.4
62.5°	543.9	661.3	691.8	636.4	561.5	501.4	479.4	465.1	458.6	442.6	423.4
65°	416.3	513.8	543.3	512.5	473.3	425.3	407.3	395.1	389.4	380.4	366.3
67.5°	313.0	384.1	416.4	394.7	380.6	350.2	338.8	332.2	327.2	320.9	309.2
70°	251.5	304.1	337.4	331.6	320.1	304.1	295.7	291.2	286.1	281.0	270.7
72.5°	202.2	238.4	269.7	272.6	263.2	260.0	252.6	250.7	247.6	241.5	235.8
75°	134.0	159.1	180.9	189.3	193.0	196.2	193.0	192.5	191.8	186.6	183.4
77.5°	87.8	101.3	115.1	129.3	135.3	139.7	140.7	143.1	141.4	138.6	137.1
80°	67.4	70.6	80.2	92.4	102.0	105.8	108.4	109.7	109.1	108.4	105.8
82.5°	48.9	51.6	56.1	64.7	72.8	79.2	80.7	80.4	81.8	82.2	80.2
85°	26.3	27.0	28.2	29.5	34.0	41.1	43.0	44.3	45.5	45.5	41.7
87.5°	10.7	9.8	10.5	10.1	11.3	11.5	14.3	16.6	17.3	15.6	15.9
90°	12.7	10.7	8.7	6.9	5.4	3.8	2.3	0.7	2.3	3.8	5.4
92.5°	24.6	23.4	22.2	21.1	20.1	19.0	18.0	17.0	18.0	19.0	20.1
95°	49.3	48.1	46.8	45.6	44.6	43.5	42.3	41.3	42.3	43.5	44.6
97.5°	79.2	78.3	77.4	76.5	75.8	74.9	74.1	73.3	74.1	74.9	75.8
100°	101.3	100.5	99.7	98.9	97.9	97.0	96.0	95.1	96.0	97.0	97.9
102.5°	125.5	124.4	123.4	122.5	122.0	121.5	120.9	120.4	120.9	121.5	122.0
105°	162.3	160.9	159.5	158.6	158.3	158.1	157.7	157.4	157.7	158.1	158.3
107.5°	202.7	202.2	201.6	201.2	201.0	200.9	200.7	200.5	200.7	200.9	201.0
110°	229.5	229.2	228.9	228.6	228.3	228.0	227.7	227.3	227.7	228.0	228.3



TEST NUMBER: P332455-830

CATALOG NUMBER: S123RDIW-S1000D755U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	256.4	256.3	256.2	256.1	255.9	255.7	255.5	255.3	255.5	255.7	255.9
115°	298.7	299.0	299.3	299.2	298.7	298.2	297.7	297.4	297.7	298.2	298.7
117.5°	340.0	340.4	340.8	340.8	340.5	340.2	339.9	339.6	339.9	340.2	340.5
120°	368.2	368.9	369.7	369.7	368.7	367.8	366.8	365.9	366.8	367.8	368.7
122.5°	395.4	395.8	396.2	396.1	395.4	394.6	394.0	393.3	394.0	394.6	395.4
125°	436.5	436.8	437.1	437.1	436.6	436.1	435.6	435.2	435.6	436.1	436.6
127.5°	477.4	477.8	478.1	477.8	476.7	475.8	474.8	473.7	474.8	475.8	476.7
130°	504.0	504.4	504.9	504.4	503.2	502.0	500.8	499.5	500.8	502.0	503.2
132.5°	530.0	530.4	530.7	530.3	529.0	527.7	526.5	525.3	526.5	527.7	529.0
135°	568.4	568.5	568.7	568.3	567.4	566.5	565.5	564.6	565.5	566.5	567.4
137.5°	605.5	605.0	604.6	604.1	603.3	602.5	601.7	601.0	601.7	602.5	603.3
140°	630.0	629.9	629.7	629.2	628.5	627.7	626.9	626.1	626.9	627.7	628.5
142.5°	653.3	653.0	652.7	652.1	651.4	650.6	649.9	649.1	649.9	650.6	651.4
145°	687.5	687.0	686.5	686.2	685.8	685.5	685.2	684.9	685.2	685.5	685.8
147.5°	719.8	719.4	719.0	718.5	717.9	717.4	716.8	716.2	716.8	717.4	717.9
150°	740.3	739.9	739.6	739.3	739.0	738.7	738.4	738.1	738.4	738.7	739.0
152.5°	758.4	758.2	758.0	757.7	757.3	756.9	756.4	756.0	756.4	756.9	757.3
155°	784.7	784.5	784.3	784.3	784.3	784.3	784.3	784.3	784.3	784.3	784.3
157.5°	807.8	807.7	807.6	807.6	807.8	807.9	808.1	808.3	808.1	807.9	807.8
160°	822.0	822.0	822.0	822.2	822.5	822.8	823.1	823.4	823.1	822.8	822.5
162.5°	835.2	835.1	835.0	835.1	835.6	835.9	836.4	836.9	836.4	835.9	835.6
165°	852.1	852.1	852.1	852.3	852.8	853.3	853.8	854.2	853.8	853.3	852.8
167.5°	865.5	865.4	865.3	865.5	866.2	866.9	867.4	868.1	867.4	866.9	866.2
170°	873.1	873.1	873.1	873.4	874.0	874.7	875.2	875.9	875.2	874.7	874.0
172.5°	879.2	879.2	879.2	879.6	880.1	880.8	881.5	882.0	881.5	880.8	880.1
175°	885.7	885.7	885.7	886.0	886.6	887.2	887.9	888.4	887.9	887.2	886.6
177.5°	888.9	888.9	888.9	889.2	889.7	890.1	890.6	891.2	890.6	890.1	889.7
180°	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6



TEST NUMBER: P332455-830

CATALOG NUMBER: S123RDIW-S1000D755U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1472.7	1466.0	1461.4	1451.1	1444.5	1437.3	1430.1	1434.7	1434.3	1433.7	1433.7
5°	1423.3	1408.5	1395.2	1377.8	1366.9	1353.4	1343.1	1341.9	1344.4	1335.5	1330.3
7.5°	1374.3	1354.2	1335.1	1316.0	1295.7	1279.5	1269.4	1264.6	1258.1	1252.5	1246.8
10°	1339.9	1316.3	1297.6	1273.8	1252.1	1232.8	1220.7	1212.3	1207.8	1203.3	1195.0
12.5°	1304.6	1281.3	1257.6	1230.8	1210.0	1187.7	1178.6	1169.2	1160.6	1155.6	1144.2
15°	1252.7	1222.6	1197.6	1169.3	1146.2	1124.5	1111.6	1093.0	1090.4	1084.0	1072.5
17.5°	1200.8	1168.0	1133.5	1112.7	1086.6	1063.8	1044.3	1038.1	1019.7	1012.9	1002.8
20°	1159.7	1129.5	1103.2	1075.7	1037.8	1016.6	1001.3	993.0	978.2	969.2	962.8
22.5°	1124.3	1093.6	1063.3	1031.0	999.8	976.1	964.9	951.9	943.8	931.2	924.3
25°	1073.7	1040.4	1003.8	969.2	946.8	928.8	910.9	899.3	887.8	881.9	869.1
27.5°	1015.0	980.1	945.9	919.6	892.1	874.4	858.1	847.8	834.0	824.3	817.2
30°	982.7	941.6	912.1	888.3	853.1	836.4	824.3	811.4	801.2	790.9	783.8
32.5°	945.2	907.8	879.8	850.5	823.3	805.1	789.4	778.1	769.3	759.6	752.5
35°	886.5	855.1	826.1	796.6	776.7	758.2	739.6	729.9	721.6	712.7	706.2
37.5°	833.3	804.0	776.6	748.6	723.9	708.8	693.8	686.5	675.1	669.1	662.6
40°	800.5	771.7	742.2	715.2	689.6	678.0	664.5	653.7	643.4	638.9	631.8
42.5°	764.6	735.7	710.9	681.8	660.8	645.2	632.7	620.8	613.1	606.5	602.6
45°	711.3	685.7	661.3	632.4	612.6	599.1	584.9	574.1	567.0	562.5	555.4
47.5°	659.7	634.0	609.3	584.1	564.9	549.4	535.4	527.7	518.4	512.9	508.1
50°	622.2	599.1	572.8	549.7	530.5	515.1	503.5	493.9	485.6	478.5	475.3
52.5°	587.8	563.2	540.5	519.0	498.6	481.2	470.7	460.5	454.3	446.2	442.4
55°	531.1	507.4	488.1	466.9	447.0	432.3	419.5	410.5	404.1	395.1	390.0
57.5°	477.9	456.6	433.6	415.3	394.7	382.3	371.6	359.5	351.7	344.6	339.6
60°	442.0	417.5	397.7	380.4	362.4	346.4	336.8	327.2	318.8	311.7	307.3
62.5°	404.4	383.2	364.3	345.4	329.0	315.1	303.9	295.9	288.5	284.0	279.6
65°	347.0	330.4	311.1	295.7	280.3	270.0	261.1	254.0	248.8	245.6	241.9
67.5°	294.2	278.0	261.2	246.1	235.8	228.0	222.1	216.0	213.5	209.3	206.8
70°	259.8	243.1	228.4	216.8	206.5	200.8	196.9	192.5	189.8	184.7	182.2
72.5°	222.3	210.3	199.6	190.1	181.9	176.6	171.7	166.3	162.1	156.5	153.9
75°	175.1	164.2	155.9	149.5	144.3	137.2	130.2	124.4	122.5	120.6	120.0
77.5°	129.7	122.8	116.8	111.3	104.9	99.8	98.3	97.0	96.6	95.6	95.6
80°	102.0	95.6	91.0	84.6	80.8	80.8	80.8	79.6	80.2	80.2	80.2
82.5°	75.8	69.9	67.5	65.1	64.4	64.9	64.9	65.1	64.8	65.8	65.3
85°	39.1	39.8	41.1	40.4	41.1	41.1	42.3	41.7	42.3	41.1	42.3
87.5°	15.7	17.6	18.6	19.5	20.4	20.3	20.9	21.0	21.7	21.8	21.9
90°	6.9	8.7	10.7	12.7	14.8	16.8	17.4	18.0	18.7	19.3	19.7
92.5°	21.1	22.2	23.4	24.6	25.7	26.9	27.3	27.9	28.4	28.8	29.0
95°	45.6	46.8	48.1	49.3	50.5	51.7	52.4	53.0	53.6	54.3	54.6
97.5°	76.5	77.4	78.3	79.2	80.1	81.1	81.7	82.5	83.1	83.9	84.2
100°	98.9	99.7	100.5	101.3	102.1	102.8	103.3	103.8	104.2	104.7	105.1
102.5°	122.5	123.4	124.4	125.5	126.4	127.4	127.9	128.4	128.8	129.3	129.5
105°	158.6	159.5	160.9	162.3	163.7	165.1	165.1	165.1	165.1	165.1	165.2
107.5°	201.2	201.6	202.2	202.7	203.3	203.9	204.3	204.8	205.4	205.9	206.0
110°	228.6	228.9	229.2	229.5	229.9	230.2	230.8	231.4	232.1	232.6	232.8



TEST NUMBER: P332455-830

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	256.1	256.2	256.3	256.4	256.4	256.5	257.2	258.0	258.7	259.5	259.8
115°	299.2	299.3	299.0	298.7	298.3	298.0	298.2	298.3	298.5	298.7	298.7
117.5°	340.8	340.8	340.4	340.0	339.6	339.1	339.1	339.1	339.0	339.0	338.8
120°	369.7	369.7	368.9	368.2	367.4	366.6	366.5	366.3	366.1	366.0	365.7
122.5°	396.1	396.2	395.8	395.4	395.0	394.5	394.2	393.8	393.3	392.9	392.6
125°	437.1	437.1	436.8	436.5	436.1	435.8	435.3	434.6	433.9	433.4	432.7
127.5°	477.8	478.1	477.8	477.4	477.0	476.7	475.8	474.9	474.1	473.3	472.4
130°	504.4	504.9	504.4	504.0	503.5	503.0	502.4	501.8	501.1	500.5	499.6
132.5°	530.3	530.7	530.4	530.0	529.6	529.3	528.6	527.8	527.1	526.3	525.6
135°	568.3	568.7	568.5	568.4	568.3	568.1	567.4	566.8	566.2	565.6	565.1
137.5°	604.1	604.6	605.0	605.5	605.9	606.2	605.6	604.9	604.3	603.7	603.0
140°	629.2	629.7	629.9	630.0	630.2	630.4	630.2	630.0	629.9	629.7	629.1
142.5°	652.1	652.7	653.0	653.3	653.6	653.8	653.7	653.6	653.4	653.2	652.7
145°	686.2	686.5	687.0	687.5	688.0	688.4	688.2	688.1	688.0	687.8	687.4
147.5°	718.5	719.0	719.4	719.8	720.3	720.8	720.8	720.8	720.8	720.8	720.3
150°	739.3	739.6	739.9	740.3	740.6	740.8	740.8	740.8	740.8	740.8	740.4
152.5°	757.7	758.0	758.2	758.4	758.6	758.7	759.0	759.3	759.5	759.8	759.5
155°	784.3	784.3	784.5	784.7	784.8	784.9	785.6	786.2	786.8	787.4	787.2
157.5°	807.6	807.6	807.7	807.8	807.9	808.0	808.7	809.4	810.0	810.7	810.5
160°	822.2	822.0	822.0	822.0	822.0	822.0	822.8	823.6	824.3	825.1	825.2
162.5°	835.1	835.0	835.1	835.2	835.4	835.5	836.2	837.0	837.8	838.6	838.5
165°	852.3	852.1	852.1	852.1	852.1	852.1	853.0	853.9	854.9	855.8	855.7
167.5°	865.5	865.3	865.4	865.5	865.7	865.8	866.8	867.7	868.7	869.7	869.7
170°	873.4	873.1	873.1	873.1	873.1	873.1	874.2	875.2	876.4	877.4	877.4
172.5°	879.6	879.2	879.2	879.2	879.2	879.2	880.2	881.2	882.1	883.1	883.1
175°	886.0	885.7	885.7	885.7	885.7	885.7	886.6	887.6	888.4	889.4	889.4
177.5°	889.2	888.9	888.9	888.9	888.9	888.9	889.7	890.4	891.2	891.9	891.8
180°	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6



TEST NUMBER: P332455-830

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1427.6	1427.0	1427.6	1425.5	1427.6	1427.0	1427.6	1433.7	1433.7	1434.3	1434.7
5°	1328.4	1327.8	1325.9	1320.0	1325.9	1327.8	1328.4	1330.3	1335.5	1344.4	1341.9
7.5°	1241.8	1241.0	1235.3	1235.4	1235.3	1241.0	1241.8	1246.8	1252.5	1258.1	1264.6
10°	1190.5	1191.1	1183.5	1178.9	1183.5	1191.1	1190.5	1195.0	1203.3	1207.8	1212.3
12.5°	1140.8	1137.7	1131.6	1126.6	1131.6	1137.7	1140.8	1144.2	1155.6	1160.6	1169.2
15°	1075.1	1068.7	1053.2	1054.5	1053.2	1068.7	1075.1	1072.5	1084.0	1090.4	1093.0
17.5°	997.7	993.0	992.7	983.7	992.7	993.0	997.7	1002.8	1012.9	1019.7	1038.1
20°	952.5	949.3	950.6	941.6	950.6	949.3	952.5	962.8	969.2	978.2	993.0
22.5°	917.1	913.9	908.5	905.7	908.5	913.9	917.1	924.3	931.2	943.8	951.9
25°	865.3	860.2	855.1	858.3	855.1	860.2	865.3	869.1	881.9	887.8	899.3
27.5°	813.5	809.6	804.5	803.8	804.5	809.6	813.5	817.2	824.3	834.0	847.8
30°	780.6	776.7	774.2	771.0	774.2	776.7	780.6	783.8	790.9	801.2	811.4
32.5°	747.2	746.5	741.9	741.2	741.9	746.5	747.2	752.5	759.6	769.3	778.1
35°	703.6	699.8	698.5	699.2	698.5	699.8	703.6	706.2	712.7	721.6	729.9
37.5°	662.2	657.0	654.8	652.4	654.8	657.0	662.2	662.6	669.1	675.1	686.5
40°	632.4	627.4	626.0	624.7	626.0	627.4	632.4	631.8	638.9	643.4	653.7
42.5°	599.1	597.0	596.3	594.0	596.3	597.0	599.1	602.6	606.5	613.1	620.8
45°	553.6	552.9	549.0	550.4	549.0	552.9	553.6	555.4	562.5	567.0	574.1
47.5°	505.6	502.8	500.0	501.8	500.0	502.8	505.6	508.1	512.9	518.4	527.7
50°	472.8	471.5	465.7	466.9	465.7	471.5	472.8	475.3	478.5	485.6	493.9
52.5°	439.9	435.0	432.8	432.1	432.8	435.0	439.9	442.4	446.2	454.3	460.5
55°	385.5	379.8	377.2	375.9	377.2	379.8	385.5	390.0	395.1	404.1	410.5
57.5°	332.2	330.5	328.6	330.0	328.6	330.5	332.2	339.6	344.6	351.7	359.5
60°	300.9	300.9	300.9	300.2	300.9	300.9	300.9	307.3	311.7	318.8	327.2
62.5°	276.7	275.1	274.7	275.6	274.7	275.1	276.7	279.6	284.0	288.5	295.9
65°	239.9	239.2	236.7	236.0	236.7	239.2	239.9	241.9	245.6	248.8	254.0
67.5°	205.1	202.8	202.1	201.1	202.1	202.8	205.1	206.8	209.3	213.5	216.0
70°	179.0	177.7	173.8	174.5	173.8	177.7	179.0	182.2	184.7	189.8	192.5
72.5°	150.7	149.5	148.6	147.8	148.6	149.5	150.7	153.9	156.5	162.1	166.3
75°	119.3	118.7	118.0	120.6	118.0	118.7	119.3	120.0	120.6	122.5	124.4
77.5°	95.6	95.6	96.0	94.9	96.0	95.6	95.6	95.6	95.6	96.6	97.0
80°	80.2	80.2	79.6	79.6	79.6	80.2	80.2	80.2	80.2	80.2	79.6
82.5°	64.3	64.8	65.1	64.2	65.1	64.8	64.3	65.3	65.8	64.8	65.1
85°	42.3	41.7	43.0	42.3	43.0	41.7	42.3	42.3	41.1	42.3	41.7
87.5°	23.0	22.1	22.1	22.7	22.1	22.1	23.0	21.9	21.8	21.7	21.0
90°	20.1	20.4	20.6	21.0	20.6	20.4	20.1	19.7	19.3	18.7	18.0
92.5°	28.8	28.7	28.5	28.3	28.5	28.7	28.8	29.0	28.8	28.4	27.9
95°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.3	53.6	53.0
97.5°	84.2	84.1	84.0	84.0	84.0	84.1	84.2	84.2	83.9	83.1	82.5
100°	105.4	105.8	106.0	106.3	106.0	105.8	105.4	105.1	104.7	104.2	103.8
102.5°	129.5	129.4	129.3	129.3	129.3	129.4	129.5	129.5	129.3	128.8	128.4
105°	165.6	165.9	166.2	166.5	166.2	165.9	165.6	165.2	165.1	165.1	165.1
107.5°	205.9	205.7	205.5	205.3	205.5	205.7	205.9	206.0	205.9	205.4	204.8
110°	232.5	232.1	231.9	231.6	231.9	232.1	232.5	232.8	232.6	232.1	231.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	259.8	259.7	259.6	259.6	259.6	259.7	259.8	259.8	259.5	258.7	258.0
115°	298.5	298.3	298.2	298.0	298.2	298.3	298.5	298.7	298.7	298.5	298.3
117.5°	338.4	337.9	337.5	337.1	337.5	337.9	338.4	338.8	339.0	339.0	339.1
120°	365.4	365.1	364.8	364.5	364.8	365.1	365.4	365.7	366.0	366.1	366.3
122.5°	392.1	391.6	391.2	390.8	391.2	391.6	392.1	392.6	392.9	393.3	393.8
125°	432.2	431.5	430.8	430.3	430.8	431.5	432.2	432.7	433.4	433.9	434.6
127.5°	471.7	471.0	470.3	469.6	470.3	471.0	471.7	472.4	473.3	474.1	474.9
130°	498.6	497.5	496.4	495.3	496.4	497.5	498.6	499.6	500.5	501.1	501.8
132.5°	524.7	523.9	523.0	522.2	523.0	523.9	524.7	525.6	526.3	527.1	527.8
135°	564.8	564.5	564.2	563.8	564.2	564.5	564.8	565.1	565.6	566.2	566.8
137.5°	602.5	601.8	601.2	600.7	601.2	601.8	602.5	603.0	603.7	604.3	604.9
140°	628.0	626.9	625.8	624.7	625.8	626.9	628.0	629.1	629.7	629.9	630.0
142.5°	651.9	651.0	650.2	649.3	650.2	651.0	651.9	652.7	653.2	653.4	653.6
145°	686.7	686.2	685.5	684.9	685.5	686.2	686.7	687.4	687.8	688.0	688.1
147.5°	719.3	718.4	717.5	716.5	717.5	718.4	719.3	720.3	720.8	720.8	720.8
150°	739.4	738.6	737.6	736.7	737.6	738.6	739.4	740.4	740.8	740.8	740.8
152.5°	758.7	757.9	757.1	756.3	757.1	757.9	758.7	759.5	759.8	759.5	759.3
155°	786.1	785.0	783.9	782.9	783.9	785.0	786.1	787.2	787.4	786.8	786.2
157.5°	809.6	808.8	807.9	807.0	807.9	808.8	809.6	810.5	810.7	810.0	809.4
160°	824.6	824.0	823.3	822.7	823.3	824.0	824.6	825.2	825.1	824.3	823.6
162.5°	837.4	836.5	835.5	834.4	835.5	836.5	837.4	838.5	838.6	837.8	837.0
165°	854.7	853.6	852.5	851.4	852.5	853.6	854.7	855.7	855.8	854.9	853.9
167.5°	868.7	867.7	866.8	865.8	866.8	867.7	868.7	869.7	869.7	868.7	867.7
170°	876.4	875.2	874.2	873.1	874.2	875.2	876.4	877.4	877.4	876.4	875.2
172.5°	881.9	880.9	879.8	878.7	879.8	880.9	881.9	883.1	883.1	882.1	881.2
175°	888.3	887.1	886.1	885.0	886.1	887.1	888.3	889.4	889.4	888.4	887.6
177.5°	891.0	890.0	889.2	888.3	889.2	890.0	891.0	891.8	891.9	891.2	890.4
180°	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6



TEST NUMBER: P332455-830

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1430.1	1437.3	1444.5	1451.1	1461.4	1466.0	1472.7	1475.3	1483.0	1494.3	1503.5
5°	1343.1	1353.4	1366.9	1377.8	1395.2	1408.5	1423.3	1437.5	1454.2	1477.8	1499.0
7.5°	1269.4	1279.5	1295.7	1316.0	1335.1	1354.2	1374.3	1393.5	1417.4	1451.4	1485.2
10°	1220.7	1232.8	1252.1	1273.8	1297.6	1316.3	1339.9	1364.3	1393.8	1432.9	1473.4
12.5°	1178.6	1187.7	1210.0	1230.8	1257.6	1281.3	1304.6	1333.0	1366.6	1408.3	1457.0
15°	1111.6	1124.5	1146.2	1169.3	1197.6	1222.6	1252.7	1287.3	1320.0	1371.4	1430.4
17.5°	1044.3	1063.8	1086.6	1112.7	1133.5	1168.0	1200.8	1236.3	1276.6	1331.0	1395.7
20°	1001.3	1016.6	1037.8	1075.7	1103.2	1129.5	1159.7	1204.0	1241.1	1302.8	1370.1
22.5°	964.9	976.1	999.8	1031.0	1063.3	1093.6	1124.3	1166.5	1212.4	1270.9	1344.0
25°	910.9	928.8	946.8	969.2	1003.8	1040.4	1073.7	1109.7	1158.4	1220.7	1299.6
27.5°	858.1	874.4	892.1	919.6	945.9	980.1	1015.0	1056.2	1108.5	1174.3	1254.3
30°	824.3	836.4	853.1	888.3	912.1	941.6	982.7	1019.3	1068.0	1137.9	1222.6
32.5°	789.4	805.1	823.3	850.5	879.8	907.8	945.2	984.9	1034.6	1103.5	1190.2
35°	739.6	758.2	776.7	796.6	826.1	855.1	886.5	930.1	980.7	1047.4	1132.7
37.5°	693.8	708.8	723.9	748.6	776.6	804.0	833.3	876.3	924.1	996.0	1074.3
40°	664.5	678.0	689.6	715.2	742.2	771.7	800.5	838.4	889.7	957.1	1032.7
42.5°	632.7	645.2	660.8	681.8	710.9	735.7	764.6	800.4	848.6	917.0	983.4
45°	584.9	599.1	612.6	632.4	661.3	685.7	711.3	745.4	794.8	851.2	910.2
47.5°	535.4	549.4	564.9	584.1	609.3	634.0	659.7	689.8	734.8	790.2	830.0
50°	503.5	515.1	530.5	549.7	572.8	599.1	622.2	654.9	697.9	741.5	776.1
52.5°	470.7	481.2	498.6	519.0	540.5	563.2	587.8	615.9	654.8	695.8	723.3
55°	419.5	432.3	447.0	466.9	488.1	507.4	531.1	560.0	590.8	621.5	640.2
57.5°	371.6	382.3	394.7	415.3	433.6	456.6	477.9	500.3	528.8	552.0	564.2
60°	336.8	346.4	362.4	380.4	397.7	417.5	442.0	464.4	486.2	504.8	514.4
62.5°	303.9	315.1	329.0	345.4	364.3	383.2	404.4	423.4	442.6	458.6	465.1
65°	261.1	270.0	280.3	295.7	311.1	330.4	347.0	366.3	380.4	389.4	395.1
67.5°	222.1	228.0	235.8	246.1	261.2	278.0	294.2	309.2	320.9	327.2	332.2
70°	196.9	200.8	206.5	216.8	228.4	243.1	259.8	270.7	281.0	286.1	291.2
72.5°	171.7	176.6	181.9	190.1	199.6	210.3	222.3	235.8	241.5	247.6	250.7
75°	130.2	137.2	144.3	149.5	155.9	164.2	175.1	183.4	186.6	191.8	192.5
77.5°	98.3	99.8	104.9	111.3	116.8	122.8	129.7	137.1	138.6	141.4	143.1
80°	80.8	80.8	80.8	84.6	91.0	95.6	102.0	105.8	108.4	109.1	109.7
82.5°	64.9	64.9	64.4	65.1	67.5	69.9	75.8	80.2	82.2	81.8	80.4
85°	42.3	41.1	41.1	40.4	41.1	39.8	39.1	41.7	45.5	45.5	44.3
87.5°	20.9	20.3	20.4	19.5	18.6	17.6	15.7	15.9	15.6	17.3	16.6
90°	17.4	16.8	14.8	12.7	10.7	8.7	6.9	5.4	3.8	2.3	0.7
92.5°	27.3	26.9	25.7	24.6	23.4	22.2	21.1	20.1	19.0	18.0	17.0
95°	52.4	51.7	50.5	49.3	48.1	46.8	45.6	44.6	43.5	42.3	41.3
97.5°	81.7	81.1	80.1	79.2	78.3	77.4	76.5	75.8	74.9	74.1	73.3
100°	103.3	102.8	102.1	101.3	100.5	99.7	98.9	97.9	97.0	96.0	95.1
102.5°	127.9	127.4	126.4	125.5	124.4	123.4	122.5	122.0	121.5	120.9	120.4
105°	165.1	165.1	163.7	162.3	160.9	159.5	158.6	158.3	158.1	157.7	157.4
107.5°	204.3	203.9	203.3	202.7	202.2	201.6	201.2	201.0	200.9	200.7	200.5
110°	230.8	230.2	229.9	229.5	229.2	228.9	228.6	228.3	228.0	227.7	227.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	257.2	256.5	256.4	256.4	256.3	256.2	256.1	255.9	255.7	255.5	255.3
115°	298.2	298.0	298.3	298.7	299.0	299.3	299.2	298.7	298.2	297.7	297.4
117.5°	339.1	339.1	339.6	340.0	340.4	340.8	340.8	340.5	340.2	339.9	339.6
120°	366.5	366.6	367.4	368.2	368.9	369.7	369.7	368.7	367.8	366.8	365.9
122.5°	394.2	394.5	395.0	395.4	395.8	396.2	396.1	395.4	394.6	394.0	393.3
125°	435.3	435.8	436.1	436.5	436.8	437.1	437.1	436.6	436.1	435.6	435.2
127.5°	475.8	476.7	477.0	477.4	477.8	478.1	477.8	476.7	475.8	474.8	473.7
130°	502.4	503.0	503.5	504.0	504.4	504.9	504.4	503.2	502.0	500.8	499.5
132.5°	528.6	529.3	529.6	530.0	530.4	530.7	530.3	529.0	527.7	526.5	525.3
135°	567.4	568.1	568.3	568.4	568.5	568.7	568.3	567.4	566.5	565.5	564.6
137.5°	605.6	606.2	605.9	605.5	605.0	604.6	604.1	603.3	602.5	601.7	601.0
140°	630.2	630.4	630.2	630.0	629.9	629.7	629.2	628.5	627.7	626.9	626.1
142.5°	653.7	653.8	653.6	653.3	653.0	652.7	652.1	651.4	650.6	649.9	649.1
145°	688.2	688.4	688.0	687.5	687.0	686.5	686.2	685.8	685.5	685.2	684.9
147.5°	720.8	720.8	720.3	719.8	719.4	719.0	718.5	717.9	717.4	716.8	716.2
150°	740.8	740.8	740.6	740.3	739.9	739.6	739.3	739.0	738.7	738.4	738.1
152.5°	759.0	758.7	758.6	758.4	758.2	758.0	757.7	757.3	756.9	756.4	756.0
155°	785.6	784.9	784.8	784.7	784.5	784.3	784.3	784.3	784.3	784.3	784.3
157.5°	808.7	808.0	807.9	807.8	807.7	807.6	807.6	807.8	807.9	808.1	808.3
160°	822.8	822.0	822.0	822.0	822.0	822.0	822.2	822.5	822.8	823.1	823.4
162.5°	836.2	835.5	835.4	835.2	835.1	835.0	835.1	835.6	835.9	836.4	836.9
165°	853.0	852.1	852.1	852.1	852.1	852.1	852.3	852.8	853.3	853.8	854.2
167.5°	866.8	865.8	865.7	865.5	865.4	865.3	865.5	866.2	866.9	867.4	868.1
170°	874.2	873.1	873.1	873.1	873.1	873.1	873.4	874.0	874.7	875.2	875.9
172.5°	880.2	879.2	879.2	879.2	879.2	879.2	879.6	880.1	880.8	881.5	882.0
175°	886.6	885.7	885.7	885.7	885.7	885.7	886.0	886.6	887.2	887.9	888.4
177.5°	889.7	888.9	888.9	888.9	888.9	888.9	889.2	889.7	890.1	890.6	891.2
180°	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6



TEST NUMBER: P332455-830

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1506.6	1512.2	1519.4	1530.2	1538.4	1545.6	1547.1	1549.2	1554.3	1563.0	1569.7
5°	1516.4	1531.1	1554.8	1577.9	1603.0	1623.4	1642.7	1656.1	1669.0	1695.9	1717.8
7.5°	1513.3	1546.1	1583.3	1624.8	1666.7	1707.3	1745.1	1778.9	1812.4	1851.7	1896.5
10°	1511.2	1549.7	1599.7	1652.9	1711.4	1768.4	1823.6	1866.6	1916.6	1961.5	2018.5
12.5°	1501.5	1556.9	1616.6	1684.8	1756.5	1822.3	1894.9	1954.3	2011.6	2076.4	2142.8
15°	1488.7	1556.1	1631.8	1722.2	1831.3	1910.8	1985.2	2088.5	2159.1	2229.6	2324.6
17.5°	1465.6	1547.7	1642.3	1759.8	1850.8	1957.7	2069.6	2151.3	2246.3	2345.7	2431.7
20°	1447.1	1542.7	1648.5	1764.0	1880.0	1996.1	2104.5	2202.1	2300.2	2415.0	2485.6
22.5°	1428.6	1523.1	1633.0	1755.8	1880.6	2002.8	2125.5	2240.0	2350.4	2466.3	2556.4
25°	1389.3	1501.6	1620.9	1746.0	1869.2	2003.8	2150.0	2277.7	2414.3	2533.6	2618.9
27.5°	1349.5	1452.5	1571.2	1698.1	1835.0	1994.2	2166.2	2311.3	2448.3	2533.6	2560.5
30°	1313.6	1422.7	1531.7	1660.7	1808.8	1986.5	2169.4	2335.4	2447.7	2484.9	2457.3
32.5°	1277.2	1376.0	1484.0	1616.0	1773.4	1967.6	2173.4	2321.1	2388.7	2360.2	2248.0
35°	1213.0	1302.1	1406.7	1538.8	1719.7	1957.0	2156.5	2256.5	2239.9	2079.5	1867.8
37.5°	1144.2	1216.8	1313.6	1451.8	1664.0	1915.3	2083.6	2098.4	1954.1	1707.9	1463.4
40°	1089.8	1155.2	1254.6	1398.9	1620.9	1874.2	2010.3	1950.6	1726.7	1452.8	1248.9
42.5°	1036.9	1092.1	1187.9	1343.5	1579.9	1818.4	1900.9	1771.0	1512.8	1253.8	1068.3
45°	947.3	999.4	1095.5	1255.3	1495.8	1711.4	1700.4	1474.6	1216.2	1007.7	853.8
47.5°	862.4	907.9	998.2	1161.2	1397.1	1551.0	1449.0	1208.7	989.5	822.2	712.4
50°	802.4	847.3	937.2	1098.2	1318.1	1430.4	1284.8	1053.2	852.4	713.9	626.7
52.5°	745.0	788.8	870.9	1027.8	1222.7	1289.8	1133.4	918.8	751.4	631.8	556.9
55°	664.5	697.9	771.7	921.7	1067.3	1082.7	924.3	744.7	606.8	523.4	472.1
57.5°	582.6	611.2	684.2	803.7	905.8	897.9	747.6	592.3	499.5	437.4	400.3
60°	529.1	557.4	621.5	724.2	801.2	774.2	636.3	511.2	431.7	386.2	356.7
62.5°	479.4	501.4	561.5	636.4	691.8	661.3	543.9	440.5	377.3	338.9	315.6
65°	407.3	425.3	473.3	512.5	543.3	513.8	416.3	344.4	298.9	271.9	255.9
67.5°	338.8	350.2	380.6	394.7	416.4	384.1	313.0	264.9	239.0	216.3	205.1
70°	295.7	304.1	320.1	331.6	337.4	304.1	251.5	216.1	194.4	178.3	171.3
72.5°	252.6	260.0	263.2	272.6	269.7	238.4	202.2	174.1	158.4	147.5	138.5
75°	193.0	196.2	193.0	189.3	180.9	159.1	134.0	120.0	108.4	103.3	100.1
77.5°	140.7	139.7	135.3	129.3	115.1	101.3	87.8	83.1	78.1	75.4	74.3
80°	108.4	105.8	102.0	92.4	80.2	70.6	67.4	64.2	62.2	59.0	58.3
82.5°	80.7	79.2	72.8	64.7	56.1	51.6	48.9	47.7	45.8	44.1	44.0
85°	43.0	41.1	34.0	29.5	28.2	27.0	26.3	26.3	23.8	23.1	23.1
87.5°	14.3	11.5	11.3	10.1	10.5	9.8	10.7	10.2	10.0	10.7	9.8
90°	2.3	3.8	5.4	6.9	8.7	10.7	12.7	14.8	16.8	17.4	18.0
92.5°	18.0	19.0	20.1	21.1	22.2	23.4	24.6	25.7	26.9	27.3	27.9
95°	42.3	43.5	44.6	45.6	46.8	48.1	49.3	50.5	51.7	52.4	53.0
97.5°	74.1	74.9	75.8	76.5	77.4	78.3	79.2	80.1	81.1	81.7	82.5
100°	96.0	97.0	97.9	98.9	99.7	100.5	101.3	102.1	102.8	103.3	103.8
102.5°	120.9	121.5	122.0	122.5	123.4	124.4	125.5	126.4	127.4	127.9	128.4
105°	157.7	158.1	158.3	158.6	159.5	160.9	162.3	163.7	165.1	165.1	165.1
107.5°	200.7	200.9	201.0	201.2	201.6	202.2	202.7	203.3	203.9	204.3	204.8
110°	227.7	228.0	228.3	228.6	228.9	229.2	229.5	229.9	230.2	230.8	231.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	255.5	255.7	255.9	256.1	256.2	256.3	256.4	256.4	256.5	257.2	258.0
115°	297.7	298.2	298.7	299.2	299.3	299.0	298.7	298.3	298.0	298.2	298.3
117.5°	339.9	340.2	340.5	340.8	340.8	340.4	340.0	339.6	339.1	339.1	339.1
120°	366.8	367.8	368.7	369.7	369.7	368.9	368.2	367.4	366.6	366.5	366.3
122.5°	394.0	394.6	395.4	396.1	396.2	395.8	395.4	395.0	394.5	394.2	393.8
125°	435.6	436.1	436.6	437.1	437.1	436.8	436.5	436.1	435.8	435.3	434.6
127.5°	474.8	475.8	476.7	477.8	478.1	477.8	477.4	477.0	476.7	475.8	474.9
130°	500.8	502.0	503.2	504.4	504.9	504.4	504.0	503.5	503.0	502.4	501.8
132.5°	526.5	527.7	529.0	530.3	530.7	530.4	530.0	529.6	529.3	528.6	527.8
135°	565.5	566.5	567.4	568.3	568.7	568.5	568.4	568.3	568.1	567.4	566.8
137.5°	601.7	602.5	603.3	604.1	604.6	605.0	605.5	605.9	606.2	605.6	604.9
140°	626.9	627.7	628.5	629.2	629.7	629.9	630.0	630.2	630.4	630.2	630.0
142.5°	649.9	650.6	651.4	652.1	652.7	653.0	653.3	653.6	653.8	653.7	653.6
145°	685.2	685.5	685.8	686.2	686.5	687.0	687.5	688.0	688.4	688.2	688.1
147.5°	716.8	717.4	717.9	718.5	719.0	719.4	719.8	720.3	720.8	720.8	720.8
150°	738.4	738.7	739.0	739.3	739.6	739.9	740.3	740.6	740.8	740.8	740.8
152.5°	756.4	756.9	757.3	757.7	758.0	758.2	758.4	758.6	758.7	759.0	759.3
155°	784.3	784.3	784.3	784.3	784.3	784.5	784.7	784.8	784.9	785.6	786.2
157.5°	808.1	807.9	807.8	807.6	807.6	807.7	807.8	807.9	808.0	808.7	809.4
160°	823.1	822.8	822.5	822.2	822.0	822.0	822.0	822.0	822.0	822.8	823.6
162.5°	836.4	835.9	835.6	835.1	835.0	835.1	835.2	835.4	835.5	836.2	837.0
165°	853.8	853.3	852.8	852.3	852.1	852.1	852.1	852.1	852.1	853.0	853.9
167.5°	867.4	866.9	866.2	865.5	865.3	865.4	865.5	865.7	865.8	866.8	867.7
170°	875.2	874.7	874.0	873.4	873.1	873.1	873.1	873.1	873.1	874.2	875.2
172.5°	881.5	880.8	880.1	879.6	879.2	879.2	879.2	879.2	879.2	880.2	881.2
175°	887.9	887.2	886.6	886.0	885.7	885.7	885.7	885.7	885.7	886.6	887.6
177.5°	890.6	890.1	889.7	889.2	888.9	888.9	888.9	888.9	888.9	889.7	890.4
180°	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1580.5	1580.5	1582.5	1590.3	1591.3	1597.9	1595.9
5°	1737.0	1749.2	1753.7	1772.9	1784.4	1789.6	1779.3
7.5°	1928.4	1962.8	1979.1	1999.2	2017.0	2022.4	2008.5
10°	2067.9	2103.8	2134.0	2152.7	2169.9	2181.5	2196.2
12.5°	2202.9	2247.0	2275.7	2302.0	2319.8	2334.4	2336.8
15°	2349.6	2416.3	2466.9	2504.1	2522.7	2532.3	2528.6
17.5°	2497.5	2559.3	2595.4	2633.4	2659.1	2660.4	2661.2
20°	2581.2	2641.4	2683.1	2711.3	2740.2	2738.9	2745.3
22.5°	2637.0	2684.5	2716.5	2737.0	2746.9	2742.0	2743.3
25°	2663.2	2677.3	2671.5	2638.8	2630.5	2600.4	2605.5
27.5°	2528.3	2461.5	2392.6	2303.8	2233.7	2177.7	2180.6
30°	2345.0	2227.0	2092.4	1979.4	1878.1	1849.9	1789.6
32.5°	2089.1	1911.9	1754.2	1649.0	1562.0	1538.4	1485.8
35°	1654.9	1483.0	1320.7	1223.2	1184.7	1130.9	1130.2
37.5°	1286.3	1134.9	1049.1	976.0	937.6	905.0	901.8
40°	1082.1	964.0	899.3	846.7	808.9	784.5	778.7
42.5°	939.4	844.0	783.3	750.7	721.6	709.1	699.6
45°	767.1	703.0	660.6	631.1	617.7	608.0	602.9
47.5°	641.7	598.7	569.9	550.3	539.3	529.1	531.9
50°	573.4	538.2	517.0	498.4	490.0	483.0	483.6
52.5°	518.5	486.8	469.8	456.3	445.9	440.9	438.5
55°	440.0	420.1	402.8	393.2	387.4	380.4	378.4
57.5°	375.3	360.0	345.8	335.0	333.6	326.8	327.6
60°	332.2	319.4	307.9	302.1	297.7	291.8	293.8
62.5°	296.9	286.1	275.6	270.8	266.4	262.1	263.0
65°	243.1	232.8	226.4	223.9	222.0	220.0	218.1
67.5°	193.7	187.5	183.4	178.0	174.0	173.3	171.4
70°	163.0	154.6	147.5	140.4	138.6	137.9	138.6
72.5°	130.6	125.4	123.4	120.0	119.6	117.9	119.0
75°	98.1	96.2	94.9	92.4	92.4	92.4	92.4
77.5°	72.4	71.2	70.4	69.9	69.3	68.3	68.2
80°	56.5	55.8	54.5	54.5	53.9	54.5	53.9
82.5°	42.6	42.5	41.2	41.2	40.5	40.2	40.5
85°	21.8	21.2	22.4	21.2	21.8	20.5	21.8
87.5°	9.9	10.0	9.6	9.6	9.2	10.3	9.3
90°	18.7	19.3	19.7	20.1	20.4	20.6	21.0
92.5°	28.4	28.8	29.0	28.8	28.7	28.5	28.3
95°	53.6	54.3	54.6	54.6	54.6	54.6	54.6
97.5°	83.1	83.9	84.2	84.2	84.1	84.0	84.0
100°	104.2	104.7	105.1	105.4	105.8	106.0	106.3
102.5°	128.8	129.3	129.5	129.5	129.4	129.3	129.3
105°	165.1	165.1	165.2	165.6	165.9	166.2	166.5
107.5°	205.4	205.9	206.0	205.9	205.7	205.5	205.3
110°	232.1	232.6	232.8	232.5	232.1	231.9	231.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	258.7	259.5	259.8	259.8	259.7	259.6	259.6
115°	298.5	298.7	298.7	298.5	298.3	298.2	298.0
117.5°	339.0	339.0	338.8	338.4	337.9	337.5	337.1
120°	366.1	366.0	365.7	365.4	365.1	364.8	364.5
122.5°	393.3	392.9	392.6	392.1	391.6	391.2	390.8
125°	433.9	433.4	432.7	432.2	431.5	430.8	430.3
127.5°	474.1	473.3	472.4	471.7	471.0	470.3	469.6
130°	501.1	500.5	499.6	498.6	497.5	496.4	495.3
132.5°	527.1	526.3	525.6	524.7	523.9	523.0	522.2
135°	566.2	565.6	565.1	564.8	564.5	564.2	563.8
137.5°	604.3	603.7	603.0	602.5	601.8	601.2	600.7
140°	629.9	629.7	629.1	628.0	626.9	625.8	624.7
142.5°	653.4	653.2	652.7	651.9	651.0	650.2	649.3
145°	688.0	687.8	687.4	686.7	686.2	685.5	684.9
147.5°	720.8	720.8	720.3	719.3	718.4	717.5	716.5
150°	740.8	740.8	740.4	739.4	738.6	737.6	736.7
152.5°	759.5	759.8	759.5	758.7	757.9	757.1	756.3
155°	786.8	787.4	787.2	786.1	785.0	783.9	782.9
157.5°	810.0	810.7	810.5	809.6	808.8	807.9	807.0
160°	824.3	825.1	825.2	824.6	824.0	823.3	822.7
162.5°	837.8	838.6	838.5	837.4	836.5	835.5	834.4
165°	854.9	855.8	855.7	854.7	853.6	852.5	851.4
167.5°	868.7	869.7	869.7	868.7	867.7	866.8	865.8
170°	876.4	877.4	877.4	876.4	875.2	874.2	873.1
172.5°	882.1	883.1	883.1	881.9	880.9	879.8	878.7
175°	888.4	889.4	889.4	888.3	887.1	886.1	885.0
177.5°	891.2	891.9	891.8	891.0	890.0	889.2	888.3
180°	890.6	890.6	890.6	890.6	890.6	890.6	890.6

(END OF REPORT)