

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: P333080-930

Luminaire Tested: **S124RDIW-S1020D770U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333080-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S1020D770U930-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1020 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

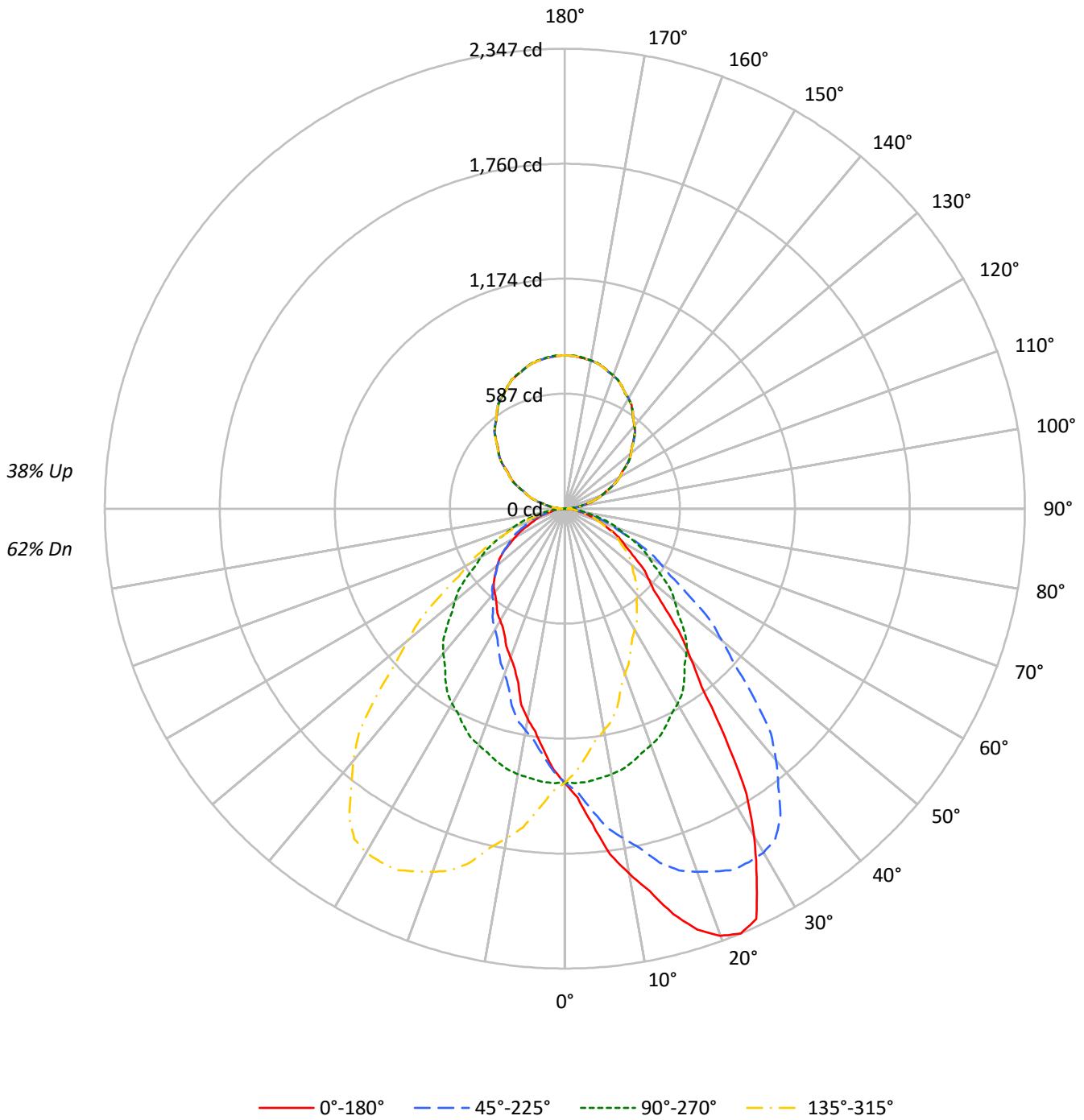
Lumens per Lamp: N/A
Luminaire Lumens: 5709.1 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

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	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	95	91	88	85	80	77	75	70	68	66	60	59	58	53
2	92	85	79	74	86	80	75	70	71	67	63	62	59	56	54	52	50	46
3	85	75	68	63	79	71	65	60	63	58	54	55	51	48	48	45	43	39
4	78	67	59	53	73	63	56	51	56	51	46	49	45	42	43	40	37	34
5	72	60	52	46	67	57	50	44	51	45	40	45	40	37	39	36	33	30
6	66	54	46	40	62	51	44	39	46	40	35	41	36	32	36	32	29	26
7	61	49	41	36	57	47	39	34	42	36	31	37	32	29	33	29	26	24
8	57	45	37	32	53	42	35	31	38	32	28	34	29	26	30	26	23	21
9	53	41	34	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19
10	50	38	30	26	47	36	29	25	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11293	11293	11293	11293
5°	13100	11327	10011	11327
10°	15497	11278	8936	11278
15°	17901	11173	7678	11173
20°	19930	11030	6943	11030
25°	20574	10889	6446	10889
30°	18011	10718	6147	10718
35°	14020	10464	5966	10464
40°	10513	10175	5868	10175
45°	8301	9710	5817	9710
50°	7008	9173	5649	9173
55°	6108	8583	5346	8583
60°	5496	7971	4732	7971
65°	4844	7310	4069	7310
70°	4362	6626	3673	6626
75°	3656	5873	3132	5873
80°	3092	5002	2934	5002
85°	2612	3909	2612	3909



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	2.4
10°-20°	408.9	7.2
20°-30°	639.5	11.2
30°-40°	710.9	12.5
40°-50°	630.7	11.0
50°-60°	491.5	8.6
60°-70°	321.8	5.6
70°-80°	158.2	2.8
80°-90°	41.4	0.7
90°-100°	51.6	0.9
100°-110°	152.9	2.7
110°-120°	259.5	4.5
120°-130°	342.1	6.0
130°-140°	384.2	6.7
140°-150°	377.6	6.6
150°-160°	317.6	5.6
160°-170°	211.3	3.7
170°-180°	74.0	1.3
0°-30°	1183.9	20.7
0°-40°	1894.8	33.2
0°-60°	3017.0	52.8
0°-90°	3538.4	62.0
90°-120°	463.9	8.1
90°-150°	1567.9	27.5
90°-180°	2171.0	38.0
0°-180°	5709.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1399	1399	1399	1399	1399	
5°	1616	1398	1235	1398	1616	164
15°	2142	1337	919	1337	2142	609
25°	2310	1222	724	1222	2310	1025
35°	1423	1062	605	1062	1423	892
45°	727	850	510	850	727	576
55°	434	610	380	610	434	395
65°	254	383	213	383	254	255
75°	117	188	100	188	117	129
85°	28	42	28	42	28	32
90°	18	2	18	2	18	11
95°	48	36	48	36	48	50
105°	148	141	148	141	148	156
115°	261	264	261	264	261	258
125°	381	384	381	384	381	340
135°	496	496	496	496	496	383
145°	603	602	603	602	603	377
155°	689	690	689	690	689	317
165°	749	751	749	751	749	211
175°	778	781	778	781	778	74
180°	782	782	782	782	782	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1475.5	1479.6	1475.5	1475.1	1470.6	1469.3	1467.5	1461.6	1450.7	1444.5	1445.8
5°	1616.5	1630.5	1622.7	1621.5	1609.2	1596.8	1588.9	1570.8	1551.7	1538.7	1528.0
7.5°	1779.5	1787.5	1782.7	1774.7	1754.7	1743.3	1725.0	1701.2	1666.9	1640.5	1616.6
10°	1890.4	1897.1	1894.9	1880.2	1865.6	1835.7	1818.8	1785.6	1742.1	1707.8	1675.6
12.5°	1999.5	2006.7	1986.9	1987.5	1959.8	1936.3	1909.4	1867.6	1817.5	1773.1	1732.9
15°	2141.8	2132.7	2132.7	2121.5	2090.4	2057.8	2030.2	1986.2	1923.0	1870.1	1814.3
17.5°	2253.2	2256.3	2251.7	2225.0	2200.7	2166.9	2116.3	2065.0	2006.4	1935.3	1878.2
20°	2319.9	2319.9	2314.8	2296.8	2265.2	2229.1	2174.5	2118.6	2044.3	1972.7	1908.5
22.5°	2346.9	2348.7	2342.8	2327.8	2299.5	2264.2	2217.7	2161.0	2084.4	2003.8	1924.2
25°	2309.7	2320.4	2321.6	2317.6	2309.2	2287.7	2247.7	2189.6	2120.9	2033.5	1947.8
27.5°	2120.6	2134.1	2145.9	2165.4	2191.4	2204.9	2206.7	2177.2	2117.2	2033.1	1946.9
30°	1932.1	1943.3	1980.0	2027.9	2065.1	2098.9	2128.3	2136.1	2102.3	2026.8	1936.0
32.5°	1722.9	1738.2	1774.8	1826.4	1888.3	1945.6	2011.4	2045.0	2044.1	1998.8	1914.8
35°	1422.6	1433.9	1467.7	1521.8	1596.2	1681.3	1785.6	1866.7	1921.9	1918.0	1866.7
37.5°	1147.3	1160.0	1194.2	1239.1	1311.2	1416.6	1517.5	1629.3	1731.5	1788.8	1771.6
40°	997.6	998.2	1031.4	1077.7	1145.3	1237.1	1347.0	1471.0	1584.9	1677.9	1695.9
42.5°	879.5	879.5	901.6	951.4	1000.1	1086.5	1191.5	1314.6	1447.8	1555.3	1603.0
45°	727.1	732.1	750.2	780.1	818.4	891.6	975.6	1090.1	1239.4	1366.8	1446.3
47.5°	615.7	623.1	634.6	659.0	689.5	738.3	807.8	910.6	1032.1	1172.2	1285.3
50°	558.0	559.1	573.7	587.3	613.8	652.6	713.5	799.2	910.8	1045.5	1171.2
52.5°	508.4	508.2	517.0	534.1	555.6	586.0	635.1	713.1	812.0	932.8	1062.5
55°	434.0	436.8	443.6	457.1	473.4	494.9	533.8	592.4	670.2	773.3	891.1
57.5°	377.4	378.9	384.2	389.9	404.9	420.4	449.6	490.3	556.0	640.4	750.2
60°	340.4	341.0	342.7	351.1	363.0	377.6	397.4	431.7	487.0	564.2	651.0
62.5°	304.4	305.3	307.9	314.1	323.3	333.5	354.1	381.7	427.5	493.4	571.6
65°	253.6	254.2	258.1	260.4	267.7	276.7	292.0	310.5	342.1	397.4	456.6
67.5°	211.9	211.9	212.1	215.2	220.3	226.2	235.4	250.2	274.0	307.9	360.1
70°	184.8	184.8	186.0	187.7	190.5	195.6	200.6	211.9	229.4	257.0	297.0
72.5°	159.6	160.0	161.2	161.5	163.0	167.1	170.9	178.1	191.1	211.9	244.3
75°	117.2	119.0	121.7	124.0	126.8	126.3	130.2	134.7	138.7	151.1	169.7
77.5°	87.2	86.3	86.7	88.6	88.9	89.5	92.3	95.8	98.7	104.6	111.3
80°	66.5	66.5	68.2	68.7	68.2	68.7	71.6	73.3	74.4	76.6	82.8
82.5°	50.3	51.2	50.6	51.2	51.5	52.1	54.5	54.8	55.9	56.8	59.4
85°	28.2	28.8	29.3	28.2	28.2	28.2	29.3	29.8	31.0	30.4	31.6
87.5°	13.5	13.0	13.5	13.4	13.8	13.2	13.5	14.3	13.2	13.5	13.3
90°	18.2	17.9	17.6	17.4	17.0	16.6	15.7	14.9	14.1	13.3	12.2
92.5°	26.9	26.7	26.6	26.4	26.3	25.9	25.4	24.9	24.5	24.0	23.2
95°	47.8	47.8	47.8	47.8	47.8	47.6	47.2	46.8	46.4	46.0	45.1
97.5°	74.9	74.9	74.9	74.9	74.9	74.7	74.2	73.7	73.2	72.7	71.7
100°	93.8	93.8	93.8	93.8	93.8	93.7	93.4	93.1	92.9	92.6	91.4
102.5°	115.1	115.0	114.9	114.8	114.6	114.4	114.1	113.7	113.3	112.9	111.8
105°	147.7	147.2	146.8	146.4	146.0	145.6	145.2	144.8	144.4	144.0	143.5
107.5°	179.4	179.4	179.4	179.4	179.4	179.3	178.9	178.6	178.1	177.8	177.7
110°	202.1	201.7	201.3	200.9	200.5	200.4	200.7	201.0	201.2	201.5	201.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	225.3	225.3	225.2	225.1	225.0	225.0	225.0	225.1	225.2	225.2	225.4
115°	261.4	261.5	261.7	261.8	262.0	262.0	262.2	262.4	262.4	262.6	262.9
117.5°	295.8	296.0	296.3	296.6	296.9	297.2	297.7	298.2	298.6	299.1	299.2
120°	321.9	321.6	321.4	321.1	320.8	321.1	321.7	322.4	323.0	323.8	324.2
122.5°	343.7	344.2	344.6	345.1	345.6	346.1	346.6	347.0	347.5	348.0	348.1
125°	381.2	381.5	381.7	382.0	382.3	382.5	382.9	383.1	383.4	383.6	383.8
127.5°	416.0	416.1	416.4	416.6	416.8	417.0	417.4	417.6	417.8	418.2	418.3
130°	438.7	439.2	439.8	440.3	440.8	441.2	441.5	441.8	442.1	442.3	442.3
132.5°	462.9	463.1	463.3	463.6	463.7	464.0	464.3	464.6	464.8	465.0	465.2
135°	496.2	496.6	497.0	497.4	497.8	498.1	498.4	498.6	499.0	499.2	499.2
137.5°	531.2	531.1	531.0	530.9	530.8	531.0	531.3	531.7	532.0	532.4	532.1
140°	552.4	552.6	552.7	552.9	553.0	553.1	553.3	553.4	553.5	553.7	553.7
142.5°	573.7	573.8	573.8	573.8	573.9	573.9	573.9	574.0	574.0	574.0	574.1
145°	602.7	603.1	603.5	603.9	604.3	604.5	604.7	604.9	605.0	605.1	605.0
147.5°	631.9	632.1	632.3	632.3	632.5	632.6	632.8	632.8	632.9	633.1	633.2
150°	649.9	650.0	650.1	650.3	650.4	650.5	650.5	650.5	650.5	650.5	650.5
152.5°	666.3	666.7	667.1	667.4	667.7	667.7	667.4	667.1	666.8	666.4	666.3
155°	689.3	689.7	690.3	690.8	691.4	691.4	690.8	690.3	689.7	689.3	689.3
157.5°	709.6	710.1	710.6	711.0	711.5	711.5	711.1	710.7	710.3	709.9	710.0
160°	721.3	721.9	722.6	723.3	724.0	724.1	723.7	723.3	722.9	722.5	722.6
162.5°	733.4	734.1	734.7	735.4	736.1	736.1	735.3	734.6	733.9	733.1	733.3
165°	749.1	749.7	750.2	750.7	751.3	751.1	750.3	749.5	748.7	747.9	748.2
167.5°	760.3	761.2	762.1	762.9	763.7	763.7	762.9	762.1	761.3	760.5	760.4
170°	766.7	767.6	768.6	769.5	770.5	770.5	769.7	768.9	768.1	767.3	767.1
172.5°	772.0	772.9	773.9	774.8	775.8	775.8	774.9	774.0	773.1	772.1	772.1
175°	777.6	778.5	779.4	780.4	781.3	781.3	780.4	779.4	778.5	777.6	777.7
177.5°	780.5	781.3	782.2	783.0	783.9	784.0	783.2	782.4	781.7	781.0	781.0
180°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1441.3	1435.0	1431.8	1424.6	1416.0	1411.5	1407.5	1401.6	1393.9	1385.8	1380.0
5°	1514.4	1500.9	1484.0	1463.7	1445.7	1428.2	1413.0	1397.7	1380.3	1362.3	1344.3
7.5°	1589.5	1562.9	1534.1	1500.9	1468.6	1439.2	1412.1	1386.2	1356.8	1330.6	1306.7
10°	1641.8	1605.7	1565.7	1523.5	1481.2	1444.5	1408.5	1375.8	1339.7	1307.6	1280.5
12.5°	1684.2	1641.8	1593.7	1541.1	1490.2	1445.9	1404.4	1361.8	1320.8	1286.0	1249.9
15°	1754.5	1696.5	1631.7	1568.6	1502.6	1442.3	1386.5	1336.9	1290.1	1241.1	1206.7
17.5°	1802.9	1734.1	1655.2	1579.4	1501.5	1430.4	1366.0	1306.9	1253.0	1202.9	1162.0
20°	1831.7	1755.7	1668.3	1582.1	1494.7	1418.6	1349.3	1283.9	1228.2	1174.0	1131.7
22.5°	1848.0	1763.8	1668.3	1578.0	1487.5	1405.1	1329.0	1260.9	1200.2	1146.1	1099.3
25°	1853.2	1763.0	1665.5	1561.8	1462.6	1375.2	1296.3	1222.5	1154.9	1100.7	1051.2
27.5°	1846.0	1739.8	1639.9	1533.5	1431.2	1339.0	1256.2	1178.7	1110.9	1052.9	1002.0
30°	1835.2	1721.3	1614.2	1503.7	1400.0	1311.6	1224.2	1149.8	1079.3	1019.0	967.8
32.5°	1811.7	1698.8	1583.6	1470.4	1365.3	1274.1	1191.2	1116.4	1047.3	985.7	931.2
35°	1765.3	1650.8	1525.8	1409.7	1306.4	1211.8	1134.0	1061.8	995.9	930.0	872.5
37.5°	1704.1	1587.1	1462.7	1335.5	1232.3	1142.9	1071.5	1003.8	939.5	879.2	815.5
40°	1646.3	1539.8	1411.3	1285.1	1179.1	1092.8	1027.0	965.5	900.7	840.9	777.2
42.5°	1576.5	1485.7	1355.8	1229.1	1124.5	1041.5	980.0	919.9	861.0	803.1	736.6
45°	1459.8	1391.0	1269.3	1147.5	1042.1	959.9	903.5	850.5	798.7	743.4	680.9
47.5°	1326.1	1279.5	1174.4	1049.8	952.3	878.2	823.8	780.5	736.6	681.4	626.6
50°	1233.2	1203.3	1101.9	988.1	895.0	826.8	771.0	730.4	693.8	640.8	591.8
52.5°	1134.0	1118.1	1032.4	923.6	833.7	766.9	719.2	682.7	645.6	601.6	555.7
55°	982.9	991.4	918.7	824.6	740.0	683.7	640.3	609.8	578.3	541.1	505.6
57.5°	828.5	859.4	810.6	728.0	648.7	596.6	563.9	538.3	511.8	481.0	450.7
60°	736.1	762.0	734.4	661.7	592.4	543.9	513.5	493.7	467.2	439.0	416.0
62.5°	645.9	673.6	657.3	598.6	534.2	492.5	465.7	447.3	427.5	403.0	379.0
65°	532.6	550.7	542.7	502.2	456.6	421.0	396.2	382.7	364.7	346.7	325.2
67.5°	408.0	442.8	438.1	416.6	377.2	349.4	333.2	321.2	304.8	291.4	276.9
70°	335.3	367.5	366.9	349.4	328.0	302.1	290.8	280.7	266.0	253.1	241.2
72.5°	274.5	303.9	308.3	294.9	280.2	260.7	249.8	242.8	228.6	219.7	210.1
75°	192.2	213.6	219.2	219.2	212.5	202.4	192.7	188.3	178.1	170.2	164.6
77.5°	126.0	139.6	148.4	150.3	151.4	148.0	140.1	137.0	129.1	126.4	121.0
80°	89.0	98.1	108.2	111.6	114.4	113.3	109.9	107.6	100.4	97.5	95.2
82.5°	61.6	66.5	74.8	82.3	81.5	84.5	81.5	79.7	74.2	73.1	70.9
85°	32.1	32.7	33.8	38.9	41.7	42.8	43.4	42.2	40.6	40.6	36.6
87.5°	13.0	12.4	13.0	12.8	13.0	14.5	15.6	15.7	14.7	13.6	12.6
90°	11.2	10.1	9.0	7.7	6.3	4.8	3.3	1.8	3.3	4.8	6.3
92.5°	22.4	21.7	21.0	19.7	18.0	16.3	14.7	13.0	14.7	16.3	18.0
95°	44.1	43.1	42.2	41.2	39.9	38.7	37.5	36.3	37.5	38.7	39.9
97.5°	70.5	69.5	68.3	67.3	66.3	65.4	64.4	63.4	64.4	65.4	66.3
100°	90.2	88.9	87.7	86.8	86.3	85.8	85.3	84.7	85.3	85.8	86.3
102.5°	110.7	109.6	108.5	107.9	107.6	107.4	107.2	107.0	107.2	107.4	107.6
105°	142.9	142.4	141.9	141.5	141.4	141.3	141.1	141.0	141.1	141.3	141.4
107.5°	177.7	177.6	177.5	177.3	177.2	177.0	176.8	176.7	176.8	177.0	177.2
110°	201.8	201.9	202.0	201.9	201.7	201.5	201.1	200.9	201.1	201.5	201.7



TEST NUMBER: P333080-930

CATALOG NUMBER: S124RDIW-S1020D770U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	225.7	225.9	226.2	226.2	226.2	226.2	226.1	226.1	226.1	226.2	226.2
115°	263.2	263.4	263.7	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8
117.5°	299.5	299.6	299.8	299.9	299.7	299.6	299.5	299.4	299.5	299.6	299.7
120°	324.6	325.0	325.3	325.3	324.7	324.2	323.7	323.1	323.7	324.2	324.7
122.5°	348.3	348.5	348.7	348.7	348.5	348.2	348.1	347.8	348.1	348.2	348.5
125°	383.9	384.0	384.2	384.3	384.3	384.3	384.3	384.3	384.3	384.3	384.3
127.5°	418.6	418.7	419.0	418.9	418.5	418.1	417.7	417.3	417.7	418.1	418.5
130°	442.3	442.3	442.3	442.1	441.7	441.3	440.9	440.5	440.9	441.3	441.7
132.5°	465.3	465.4	465.5	465.5	465.1	464.8	464.6	464.2	464.6	464.8	465.1
135°	499.2	499.2	499.2	498.8	498.0	497.2	496.4	495.6	496.4	497.2	498.0
137.5°	531.9	531.7	531.5	531.2	530.8	530.4	530.1	529.7	530.1	530.4	530.8
140°	553.7	553.7	553.7	553.5	553.3	553.0	552.7	552.4	552.7	553.0	553.3
142.5°	574.2	574.3	574.5	574.4	574.1	573.8	573.6	573.2	573.6	573.8	574.1
145°	604.9	604.7	604.5	604.2	603.7	603.2	602.6	602.1	602.6	603.2	603.7
147.5°	633.2	633.4	633.5	633.2	632.6	631.9	631.3	630.6	631.3	631.9	632.6
150°	650.5	650.5	650.5	650.2	649.7	649.1	648.6	648.1	648.6	649.1	649.7
152.5°	666.3	666.1	666.0	665.9	665.5	665.2	664.9	664.6	664.9	665.2	665.5
155°	689.5	689.6	689.7	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8
157.5°	710.0	710.0	710.0	710.1	710.4	710.6	710.9	711.1	710.9	710.6	710.4
160°	722.8	722.9	723.0	723.2	723.3	723.4	723.6	723.7	723.6	723.4	723.3
162.5°	733.4	733.5	733.7	733.9	734.3	734.6	735.0	735.3	735.0	734.6	734.3
165°	748.4	748.7	749.0	749.3	749.7	750.2	750.6	751.0	750.6	750.2	749.7
167.5°	760.4	760.4	760.3	760.7	761.2	761.8	762.4	762.9	762.4	761.8	761.2
170°	767.0	766.9	766.7	767.0	767.7	768.3	769.0	769.7	769.0	768.3	767.7
172.5°	772.1	772.0	772.0	772.3	772.8	773.4	774.0	774.5	774.0	773.4	772.8
175°	777.8	778.0	778.1	778.5	779.2	779.8	780.5	781.2	780.5	779.8	779.2
177.5°	781.0	781.0	781.0	781.2	781.8	782.3	782.9	783.3	782.9	782.3	781.8
180°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4



TEST NUMBER: P333080-930

CATALOG NUMBER: S124RDIW-S1020D770U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1373.6	1369.1	1363.3	1356.5	1348.4	1341.2	1338.1	1340.8	1342.1	1338.5	1338.1
5°	1331.9	1317.8	1306.4	1289.6	1276.0	1264.8	1256.9	1253.5	1254.6	1245.6	1243.3
7.5°	1284.8	1268.1	1249.7	1229.6	1210.9	1194.3	1185.6	1180.9	1171.3	1167.3	1160.4
10°	1254.6	1232.1	1214.1	1190.3	1169.0	1149.2	1139.6	1131.7	1122.2	1117.7	1108.1
12.5°	1223.5	1197.3	1177.5	1152.9	1131.1	1107.3	1098.1	1083.5	1068.5	1059.1	1046.8
15°	1179.7	1148.1	1123.9	1094.5	1068.6	1041.5	1017.3	990.3	980.2	958.7	946.3
17.5°	1128.4	1096.3	1066.3	1027.0	987.0	953.4	927.6	901.6	886.1	872.5	866.2
20°	1094.5	1065.3	1023.5	977.9	933.4	896.2	875.3	858.4	841.5	831.9	825.2
22.5°	1062.5	1025.1	976.6	927.4	882.9	853.8	836.1	818.7	804.9	795.8	786.8
25°	1008.9	959.9	908.6	852.2	821.7	796.4	777.2	763.1	754.7	742.8	738.3
27.5°	953.7	894.4	837.8	799.9	768.2	745.0	728.3	717.7	707.0	699.4	693.6
30°	911.3	851.1	800.4	764.3	732.1	713.0	699.4	687.1	678.6	672.4	667.9
32.5°	869.4	809.1	766.5	727.7	702.4	683.7	669.3	660.0	653.4	645.3	642.6
35°	808.8	755.2	718.0	683.1	657.2	640.3	629.0	619.4	613.8	611.6	609.8
37.5°	750.5	706.7	666.7	638.1	614.9	601.6	588.3	583.6	579.8	575.7	577.5
40°	713.5	672.4	636.9	606.4	587.8	573.2	565.3	559.7	556.3	556.3	556.3
42.5°	681.5	641.3	606.7	579.4	560.8	548.4	539.6	534.8	533.8	533.3	536.0
45°	631.9	594.6	559.7	537.1	521.4	508.9	503.9	499.9	499.9	502.2	502.7
47.5°	582.5	547.7	519.7	494.4	480.0	472.2	467.8	465.8	466.0	468.2	470.8
50°	552.4	518.0	490.3	467.8	454.3	446.9	443.0	441.9	443.0	443.0	446.9
52.5°	519.4	488.7	461.5	442.5	427.2	420.4	418.2	416.6	417.3	419.1	420.8
55°	471.2	443.6	417.7	399.6	388.3	383.8	378.8	379.3	378.2	379.3	379.3
57.5°	422.8	398.0	373.9	359.6	349.7	343.2	337.6	339.2	337.5	337.3	336.4
60°	391.8	364.7	345.5	332.6	321.2	315.6	310.5	311.7	310.0	308.8	306.6
62.5°	357.9	335.3	317.1	304.6	295.5	289.0	284.0	282.8	278.9	275.1	270.1
65°	308.8	290.2	273.9	262.1	253.6	248.6	244.6	241.2	232.8	223.7	219.2
67.5°	261.2	247.8	232.5	222.5	215.6	209.0	201.5	195.7	187.8	182.9	180.0
70°	230.5	217.5	204.6	195.0	187.7	181.5	173.0	169.1	163.5	161.2	158.4
72.5°	201.2	189.1	177.1	168.4	160.6	155.8	149.1	145.2	142.7	141.8	139.0
75°	156.7	147.1	138.1	130.2	124.0	120.6	117.8	115.0	113.8	108.8	106.0
77.5°	114.3	108.0	102.3	96.7	92.3	90.1	84.6	81.4	79.5	77.1	76.6
80°	89.0	84.5	78.9	75.5	69.3	67.1	64.8	64.2	63.7	63.1	62.5
82.5°	66.9	62.5	56.8	54.8	53.1	51.8	50.4	49.8	49.2	49.6	49.5
85°	33.8	31.6	31.6	31.0	30.4	29.8	29.3	29.3	28.8	29.3	28.8
87.5°	12.8	12.6	12.8	12.1	12.8	13.0	12.7	12.9	13.5	12.8	12.9
90°	7.7	9.0	10.1	11.2	12.2	13.3	14.1	14.9	15.7	16.6	17.0
92.5°	19.7	21.0	21.7	22.4	23.2	24.0	24.5	24.9	25.4	25.9	26.3
95°	41.2	42.2	43.1	44.1	45.1	46.0	46.4	46.8	47.2	47.6	47.8
97.5°	67.3	68.3	69.5	70.5	71.7	72.7	73.2	73.7	74.2	74.7	74.9
100°	86.8	87.7	88.9	90.2	91.4	92.6	92.9	93.1	93.4	93.7	93.8
102.5°	107.9	108.5	109.6	110.7	111.8	112.9	113.3	113.7	114.1	114.4	114.6
105°	141.5	141.9	142.4	142.9	143.5	144.0	144.4	144.8	145.2	145.6	146.0
107.5°	177.3	177.5	177.6	177.7	177.7	177.8	178.1	178.6	178.9	179.3	179.4
110°	201.9	202.0	201.9	201.8	201.6	201.5	201.2	201.0	200.7	200.4	200.5



TEST NUMBER: P333080-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	226.2	226.2	225.9	225.7	225.4	225.2	225.2	225.1	225.0	225.0	225.0
115°	263.8	263.7	263.4	263.2	262.9	262.6	262.4	262.4	262.2	262.0	262.0
117.5°	299.9	299.8	299.6	299.5	299.2	299.1	298.6	298.2	297.7	297.2	296.9
120°	325.3	325.3	325.0	324.6	324.2	323.8	323.0	322.4	321.7	321.1	320.8
122.5°	348.7	348.7	348.5	348.3	348.1	348.0	347.5	347.0	346.6	346.1	345.6
125°	384.3	384.2	384.0	383.9	383.8	383.6	383.4	383.1	382.9	382.5	382.3
127.5°	418.9	419.0	418.7	418.6	418.3	418.2	417.8	417.6	417.4	417.0	416.8
130°	442.1	442.3	442.3	442.3	442.3	442.3	442.1	441.8	441.5	441.2	440.8
132.5°	465.5	465.5	465.4	465.3	465.2	465.0	464.8	464.6	464.3	464.0	463.7
135°	498.8	499.2	499.2	499.2	499.2	499.2	499.0	498.6	498.4	498.1	497.8
137.5°	531.2	531.5	531.7	531.9	532.1	532.4	532.0	531.7	531.3	531.0	530.8
140°	553.5	553.7	553.7	553.7	553.7	553.7	553.5	553.4	553.3	553.1	553.0
142.5°	574.4	574.5	574.3	574.2	574.1	574.0	574.0	574.0	573.9	573.9	573.9
145°	604.2	604.5	604.7	604.9	605.0	605.1	605.0	604.9	604.7	604.5	604.3
147.5°	633.2	633.5	633.4	633.2	633.2	633.1	632.9	632.8	632.8	632.6	632.5
150°	650.2	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.4
152.5°	665.9	666.0	666.1	666.3	666.3	666.4	666.8	667.1	667.4	667.7	667.7
155°	689.8	689.7	689.6	689.5	689.3	689.3	689.7	690.3	690.8	691.4	691.4
157.5°	710.1	710.0	710.0	710.0	710.0	709.9	710.3	710.7	711.1	711.5	711.5
160°	723.2	723.0	722.9	722.8	722.6	722.5	722.9	723.3	723.7	724.1	724.0
162.5°	733.9	733.7	733.5	733.4	733.3	733.1	733.9	734.6	735.3	736.1	736.1
165°	749.3	749.0	748.7	748.4	748.2	747.9	748.7	749.5	750.3	751.1	751.3
167.5°	760.7	760.3	760.4	760.4	760.4	760.5	761.3	762.1	762.9	763.7	763.7
170°	767.0	766.7	766.9	767.0	767.1	767.3	768.1	768.9	769.7	770.5	770.5
172.5°	772.3	772.0	772.0	772.1	772.1	772.1	773.1	774.0	774.9	775.8	775.8
175°	778.5	778.1	778.0	777.8	777.7	777.6	778.5	779.4	780.4	781.3	781.3
177.5°	781.2	781.0	781.0	781.0	781.0	781.0	781.7	782.4	783.2	784.0	783.9
180°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4



TEST NUMBER: P333080-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1335.3	1336.2	1333.1	1332.2	1333.1	1336.2	1335.3	1338.1	1338.5	1342.1	1340.8
5°	1238.8	1237.7	1234.9	1235.4	1234.9	1237.7	1238.8	1243.3	1245.6	1254.6	1253.5
7.5°	1156.3	1151.9	1153.2	1148.7	1153.2	1151.9	1156.3	1160.4	1167.3	1171.3	1180.9
10°	1105.8	1099.6	1094.5	1090.1	1094.5	1099.6	1105.8	1108.1	1117.7	1122.2	1131.7
12.5°	1036.8	1031.5	1024.7	1026.1	1024.7	1031.5	1036.8	1046.8	1059.1	1068.5	1083.5
15°	939.0	930.5	917.0	918.7	917.0	930.5	939.0	946.3	958.7	980.2	990.3
17.5°	856.1	856.2	850.0	851.5	850.0	856.2	856.1	866.2	872.5	886.1	901.6
20°	813.3	809.3	809.9	808.2	809.9	809.3	813.3	825.2	831.9	841.5	858.4
22.5°	783.6	778.7	774.8	771.3	774.8	778.7	783.6	786.8	795.8	804.9	818.7
25°	733.3	729.9	724.8	723.7	724.8	729.9	733.3	738.3	742.8	754.7	763.1
27.5°	689.1	688.4	686.4	683.8	686.4	688.4	689.1	693.6	699.4	707.0	717.7
30°	663.4	662.3	661.1	659.4	661.1	662.3	663.4	667.9	672.4	678.6	687.1
32.5°	640.4	639.7	638.5	638.7	638.5	639.7	640.4	642.6	645.3	653.4	660.0
35°	607.6	607.0	605.9	605.4	605.9	607.0	607.6	609.8	611.6	613.8	619.4
37.5°	576.9	578.4	577.7	577.6	577.7	578.4	576.9	577.5	575.7	579.8	583.6
40°	555.7	556.3	557.4	556.8	557.4	556.3	555.7	556.3	556.3	556.3	559.7
42.5°	538.2	538.3	539.8	537.9	539.8	538.3	538.2	536.0	533.3	533.8	534.8
45°	506.7	510.1	509.5	509.5	509.5	510.1	506.7	502.7	502.2	499.9	499.9
47.5°	472.3	475.2	476.1	475.9	476.1	475.2	472.3	470.8	468.2	466.0	465.8
50°	449.8	448.7	450.4	449.8	450.4	448.7	449.8	446.9	443.0	443.0	441.9
52.5°	422.2	422.5	422.4	421.8	422.4	422.5	422.2	420.8	419.1	417.3	416.6
55°	379.8	380.4	379.3	379.8	379.3	380.4	379.8	379.3	379.3	378.2	379.3
57.5°	333.9	331.2	332.3	330.9	332.3	331.2	333.9	336.4	337.3	337.5	339.2
60°	301.0	296.4	295.3	293.1	295.3	296.4	301.0	306.6	308.8	310.0	311.7
62.5°	264.0	260.8	257.0	258.8	257.0	260.8	264.0	270.1	275.1	278.9	282.8
65°	214.7	212.5	210.8	213.0	210.8	212.5	214.7	219.2	223.7	232.8	241.2
67.5°	177.7	176.5	176.5	175.4	176.5	176.5	177.7	180.0	182.9	187.8	195.7
70°	158.4	156.7	156.7	155.6	156.7	156.7	158.4	158.4	161.2	163.5	169.1
72.5°	138.5	136.8	137.3	136.6	137.3	136.8	138.5	139.0	141.8	142.7	145.2
75°	102.6	99.8	99.8	100.4	99.8	99.8	102.6	106.0	108.8	113.8	115.0
77.5°	76.6	76.0	76.8	75.7	76.8	76.0	76.6	76.6	77.1	79.5	81.4
80°	62.5	62.0	61.5	63.1	61.5	62.0	62.5	62.5	63.1	63.7	64.2
82.5°	48.6	48.5	48.3	50.5	48.3	48.5	48.6	49.5	49.6	49.2	49.8
85°	29.3	28.2	29.3	28.2	29.3	28.2	29.3	28.8	29.3	28.8	29.3
87.5°	13.9	13.5	13.0	13.5	13.0	13.5	13.9	12.9	12.8	13.5	12.9
90°	17.4	17.6	17.9	18.2	17.9	17.6	17.4	17.0	16.6	15.7	14.9
92.5°	26.4	26.6	26.7	26.9	26.7	26.6	26.4	26.3	25.9	25.4	24.9
95°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.6	47.2	46.8
97.5°	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.7	74.2	73.7
100°	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.7	93.4	93.1
102.5°	114.8	114.9	115.0	115.1	115.0	114.9	114.8	114.6	114.4	114.1	113.7
105°	146.4	146.8	147.2	147.7	147.2	146.8	146.4	146.0	145.6	145.2	144.8
107.5°	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.3	178.9	178.6
110°	200.9	201.3	201.7	202.1	201.7	201.3	200.9	200.5	200.4	200.7	201.0



TEST NUMBER: P333080-930

CATALOG NUMBER: S124RDIW-S1020D770U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	225.1	225.2	225.3	225.3	225.3	225.2	225.1	225.0	225.0	225.0	225.1
115°	261.8	261.7	261.5	261.4	261.5	261.7	261.8	262.0	262.0	262.2	262.4
117.5°	296.6	296.3	296.0	295.8	296.0	296.3	296.6	296.9	297.2	297.7	298.2
120°	321.1	321.4	321.6	321.9	321.6	321.4	321.1	320.8	321.1	321.7	322.4
122.5°	345.1	344.6	344.2	343.7	344.2	344.6	345.1	345.6	346.1	346.6	347.0
125°	382.0	381.7	381.5	381.2	381.5	381.7	382.0	382.3	382.5	382.9	383.1
127.5°	416.6	416.4	416.1	416.0	416.1	416.4	416.6	416.8	417.0	417.4	417.6
130°	440.3	439.8	439.2	438.7	439.2	439.8	440.3	440.8	441.2	441.5	441.8
132.5°	463.6	463.3	463.1	462.9	463.1	463.3	463.6	463.7	464.0	464.3	464.6
135°	497.4	497.0	496.6	496.2	496.6	497.0	497.4	497.8	498.1	498.4	498.6
137.5°	530.9	531.0	531.1	531.2	531.1	531.0	530.9	530.8	531.0	531.3	531.7
140°	552.9	552.7	552.6	552.4	552.6	552.7	552.9	553.0	553.1	553.3	553.4
142.5°	573.8	573.8	573.8	573.7	573.8	573.8	573.8	573.9	573.9	573.9	574.0
145°	603.9	603.5	603.1	602.7	603.1	603.5	603.9	604.3	604.5	604.7	604.9
147.5°	632.3	632.3	632.1	631.9	632.1	632.3	632.3	632.5	632.6	632.8	632.8
150°	650.3	650.1	650.0	649.9	650.0	650.1	650.3	650.4	650.5	650.5	650.5
152.5°	667.4	667.1	666.7	666.3	666.7	667.1	667.4	667.7	667.7	667.4	667.1
155°	690.8	690.3	689.7	689.3	689.7	690.3	690.8	691.4	691.4	690.8	690.3
157.5°	711.0	710.6	710.1	709.6	710.1	710.6	711.0	711.5	711.5	711.1	710.7
160°	723.3	722.6	721.9	721.3	721.9	722.6	723.3	724.0	724.1	723.7	723.3
162.5°	735.4	734.7	734.1	733.4	734.1	734.7	735.4	736.1	736.1	735.3	734.6
165°	750.7	750.2	749.7	749.1	749.7	750.2	750.7	751.3	751.1	750.3	749.5
167.5°	762.9	762.1	761.2	760.3	761.2	762.1	762.9	763.7	763.7	762.9	762.1
170°	769.5	768.6	767.6	766.7	767.6	768.6	769.5	770.5	770.5	769.7	768.9
172.5°	774.8	773.9	772.9	772.0	772.9	773.9	774.8	775.8	775.8	774.9	774.0
175°	780.4	779.4	778.5	777.6	778.5	779.4	780.4	781.3	781.3	780.4	779.4
177.5°	783.0	782.2	781.3	780.5	781.3	782.2	783.0	783.9	784.0	783.2	782.4
180°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4



TEST NUMBER: P333080-930

CATALOG NUMBER: S124RDIW-S1020D770U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1338.1	1341.2	1348.4	1356.5	1363.3	1369.1	1373.6	1380.0	1385.8	1393.9	1401.6
5°	1256.9	1264.8	1276.0	1289.6	1306.4	1317.8	1331.9	1344.3	1362.3	1380.3	1397.7
7.5°	1185.6	1194.3	1210.9	1229.6	1249.7	1268.1	1284.8	1306.7	1330.6	1356.8	1386.2
10°	1139.6	1149.2	1169.0	1190.3	1214.1	1232.1	1254.6	1280.5	1307.6	1339.7	1375.8
12.5°	1098.1	1107.3	1131.1	1152.9	1177.5	1197.3	1223.5	1249.9	1286.0	1320.8	1361.8
15°	1017.3	1041.5	1068.6	1094.5	1123.9	1148.1	1179.7	1206.7	1241.1	1290.1	1336.9
17.5°	927.6	953.4	987.0	1027.0	1066.3	1096.3	1128.4	1162.0	1202.9	1253.0	1306.9
20°	875.3	896.2	933.4	977.9	1023.5	1065.3	1094.5	1131.7	1174.0	1228.2	1283.9
22.5°	836.1	853.8	882.9	927.4	976.6	1025.1	1062.5	1099.3	1146.1	1200.2	1260.9
25°	777.2	796.4	821.7	852.2	908.6	959.9	1008.9	1051.2	1100.7	1154.9	1222.5
27.5°	728.3	745.0	768.2	799.9	837.8	894.4	953.7	1002.0	1052.9	1110.9	1178.7
30°	699.4	713.0	732.1	764.3	800.4	851.1	911.3	967.8	1019.0	1079.3	1149.8
32.5°	669.3	683.7	702.4	727.7	766.5	809.1	869.4	931.2	985.7	1047.3	1116.4
35°	629.0	640.3	657.2	683.1	718.0	755.2	808.8	872.5	930.0	995.9	1061.8
37.5°	588.3	601.6	614.9	638.1	666.7	706.7	750.5	815.5	879.2	939.5	1003.8
40°	565.3	573.2	587.8	606.4	636.9	672.4	713.5	777.2	840.9	900.7	965.5
42.5°	539.6	548.4	560.8	579.4	606.7	641.3	681.5	736.6	803.1	861.0	919.9
45°	503.9	508.9	521.4	537.1	559.7	594.6	631.9	680.9	743.4	798.7	850.5
47.5°	467.8	472.2	480.0	494.4	519.7	547.7	582.5	626.6	681.4	736.6	780.5
50°	443.0	446.9	454.3	467.8	490.3	518.0	552.4	591.8	640.8	693.8	730.4
52.5°	418.2	420.4	427.2	442.5	461.5	488.7	519.4	555.7	601.6	645.6	682.7
55°	378.8	383.8	388.3	399.6	417.7	443.6	471.2	505.6	541.1	578.3	609.8
57.5°	337.6	343.2	349.7	359.6	373.9	398.0	422.8	450.7	481.0	511.8	538.3
60°	310.5	315.6	321.2	332.6	345.5	364.7	391.8	416.0	439.0	467.2	493.7
62.5°	284.0	289.0	295.5	304.6	317.1	335.3	357.9	379.0	403.0	427.5	447.3
65°	244.6	248.6	253.6	262.1	273.9	290.2	308.8	325.2	346.7	364.7	382.7
67.5°	201.5	209.0	215.6	222.5	232.5	247.8	261.2	276.9	291.4	304.8	321.2
70°	173.0	181.5	187.7	195.0	204.6	217.5	230.5	241.2	253.1	266.0	280.7
72.5°	149.1	155.8	160.6	168.4	177.1	189.1	201.2	210.1	219.7	228.6	242.8
75°	117.8	120.6	124.0	130.2	138.1	147.1	156.7	164.6	170.2	178.1	188.3
77.5°	84.6	90.1	92.3	96.7	102.3	108.0	114.3	121.0	126.4	129.1	137.0
80°	64.8	67.1	69.3	75.5	78.9	84.5	89.0	95.2	97.5	100.4	107.6
82.5°	50.4	51.8	53.1	54.8	56.8	62.5	66.9	70.9	73.1	74.2	79.7
85°	29.3	29.8	30.4	31.0	31.6	31.6	33.8	36.6	40.6	40.6	42.2
87.5°	12.7	13.0	12.8	12.1	12.8	12.6	12.8	12.6	13.6	14.7	15.7
90°	14.1	13.3	12.2	11.2	10.1	9.0	7.7	6.3	4.8	3.3	1.8
92.5°	24.5	24.0	23.2	22.4	21.7	21.0	19.7	18.0	16.3	14.7	13.0
95°	46.4	46.0	45.1	44.1	43.1	42.2	41.2	39.9	38.7	37.5	36.3
97.5°	73.2	72.7	71.7	70.5	69.5	68.3	67.3	66.3	65.4	64.4	63.4
100°	92.9	92.6	91.4	90.2	88.9	87.7	86.8	86.3	85.8	85.3	84.7
102.5°	113.3	112.9	111.8	110.7	109.6	108.5	107.9	107.6	107.4	107.2	107.0
105°	144.4	144.0	143.5	142.9	142.4	141.9	141.5	141.4	141.3	141.1	141.0
107.5°	178.1	177.8	177.7	177.7	177.6	177.5	177.3	177.2	177.0	176.8	176.7
110°	201.2	201.5	201.6	201.8	201.9	202.0	201.9	201.7	201.5	201.1	200.9



TEST NUMBER: P333080-930

CATALOG NUMBER: S124RDIW-S1020D770U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	225.2	225.2	225.4	225.7	225.9	226.2	226.2	226.2	226.2	226.1	226.1
115°	262.4	262.6	262.9	263.2	263.4	263.7	263.8	263.8	263.8	263.8	263.8
117.5°	298.6	299.1	299.2	299.5	299.6	299.8	299.9	299.7	299.6	299.5	299.4
120°	323.0	323.8	324.2	324.6	325.0	325.3	325.3	324.7	324.2	323.7	323.1
122.5°	347.5	348.0	348.1	348.3	348.5	348.7	348.7	348.5	348.2	348.1	347.8
125°	383.4	383.6	383.8	383.9	384.0	384.2	384.3	384.3	384.3	384.3	384.3
127.5°	417.8	418.2	418.3	418.6	418.7	419.0	418.9	418.5	418.1	417.7	417.3
130°	442.1	442.3	442.3	442.3	442.3	442.3	442.1	441.7	441.3	440.9	440.5
132.5°	464.8	465.0	465.2	465.3	465.4	465.5	465.5	465.1	464.8	464.6	464.2
135°	499.0	499.2	499.2	499.2	499.2	499.2	498.8	498.0	497.2	496.4	495.6
137.5°	532.0	532.4	532.1	531.9	531.7	531.5	531.2	530.8	530.4	530.1	529.7
140°	553.5	553.7	553.7	553.7	553.7	553.7	553.5	553.3	553.0	552.7	552.4
142.5°	574.0	574.0	574.1	574.2	574.3	574.5	574.4	574.1	573.8	573.6	573.2
145°	605.0	605.1	605.0	604.9	604.7	604.5	604.2	603.7	603.2	602.6	602.1
147.5°	632.9	633.1	633.2	633.2	633.4	633.5	633.2	632.6	631.9	631.3	630.6
150°	650.5	650.5	650.5	650.5	650.5	650.5	650.2	649.7	649.1	648.6	648.1
152.5°	666.8	666.4	666.3	666.3	666.1	666.0	665.9	665.5	665.2	664.9	664.6
155°	689.7	689.3	689.3	689.5	689.6	689.7	689.8	689.8	689.8	689.8	689.8
157.5°	710.3	709.9	710.0	710.0	710.0	710.0	710.1	710.4	710.6	710.9	711.1
160°	722.9	722.5	722.6	722.8	722.9	723.0	723.2	723.3	723.4	723.6	723.7
162.5°	733.9	733.1	733.3	733.4	733.5	733.7	733.9	734.3	734.6	735.0	735.3
165°	748.7	747.9	748.2	748.4	748.7	749.0	749.3	749.7	750.2	750.6	751.0
167.5°	761.3	760.5	760.4	760.4	760.4	760.3	760.7	761.2	761.8	762.4	762.9
170°	768.1	767.3	767.1	767.0	766.9	766.7	767.0	767.7	768.3	769.0	769.7
172.5°	773.1	772.1	772.1	772.1	772.0	772.0	772.3	772.8	773.4	774.0	774.5
175°	778.5	777.6	777.7	777.8	778.0	778.1	778.5	779.2	779.8	780.5	781.2
177.5°	781.7	781.0	781.0	781.0	781.0	781.0	781.2	781.8	782.3	782.9	783.3
180°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4



TEST NUMBER: P333080-930

CATALOG NUMBER: S124RDIW-S1020D770U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1407.5	1411.5	1416.0	1424.6	1431.8	1435.0	1441.3	1445.8	1444.5	1450.7	1461.6
5°	1413.0	1428.2	1445.7	1463.7	1484.0	1500.9	1514.4	1528.0	1538.7	1551.7	1570.8
7.5°	1412.1	1439.2	1468.6	1500.9	1534.1	1562.9	1589.5	1616.6	1640.5	1666.9	1701.2
10°	1408.5	1444.5	1481.2	1523.5	1565.7	1605.7	1641.8	1675.6	1707.8	1742.1	1785.6
12.5°	1404.4	1445.9	1490.2	1541.1	1593.7	1641.8	1684.2	1732.9	1773.1	1817.5	1867.6
15°	1386.5	1442.3	1502.6	1568.6	1631.7	1696.5	1754.5	1814.3	1870.1	1923.0	1986.2
17.5°	1366.0	1430.4	1501.5	1579.4	1655.2	1734.1	1802.9	1878.2	1935.3	2006.4	2065.0
20°	1349.3	1418.6	1494.7	1582.1	1668.3	1755.7	1831.7	1908.5	1972.7	2044.3	2118.6
22.5°	1329.0	1405.1	1487.5	1578.0	1668.3	1763.8	1848.0	1924.2	2003.8	2084.4	2161.0
25°	1296.3	1375.2	1462.6	1561.8	1665.5	1763.0	1853.2	1947.8	2033.5	2120.9	2189.6
27.5°	1256.2	1339.0	1431.2	1533.5	1639.9	1739.8	1846.0	1946.9	2033.1	2117.2	2177.2
30°	1224.2	1311.6	1400.0	1503.7	1614.2	1721.3	1835.2	1936.0	2026.8	2102.3	2136.1
32.5°	1191.2	1274.1	1365.3	1470.4	1583.6	1698.8	1811.7	1914.8	1998.8	2044.1	2045.0
35°	1134.0	1211.8	1306.4	1409.7	1525.8	1650.8	1765.3	1866.7	1918.0	1921.9	1866.7
37.5°	1071.5	1142.9	1232.3	1335.5	1462.7	1587.1	1704.1	1771.6	1788.8	1731.5	1629.3
40°	1027.0	1092.8	1179.1	1285.1	1411.3	1539.8	1646.3	1695.9	1677.9	1584.9	1471.0
42.5°	980.0	1041.5	1124.5	1229.1	1355.8	1485.7	1576.5	1603.0	1555.3	1447.8	1314.6
45°	903.5	959.9	1042.1	1147.5	1269.3	1391.0	1459.8	1446.3	1366.8	1239.4	1090.1
47.5°	823.8	878.2	952.3	1049.8	1174.4	1279.5	1326.1	1285.3	1172.2	1032.1	910.6
50°	771.0	826.8	895.0	988.1	1101.9	1203.3	1233.2	1171.2	1045.5	910.8	799.2
52.5°	719.2	766.9	833.7	923.6	1032.4	1118.1	1134.0	1062.5	932.8	812.0	713.1
55°	640.3	683.7	740.0	824.6	918.7	991.4	982.9	891.1	773.3	670.2	592.4
57.5°	563.9	596.6	648.7	728.0	810.6	859.4	828.5	750.2	640.4	556.0	490.3
60°	513.5	543.9	592.4	661.7	734.4	762.0	736.1	651.0	564.2	487.0	431.7
62.5°	465.7	492.5	534.2	598.6	657.3	673.6	645.9	571.6	493.4	427.5	381.7
65°	396.2	421.0	456.6	502.2	542.7	550.7	532.6	456.6	397.4	342.1	310.5
67.5°	333.2	349.4	377.2	416.6	438.1	442.8	408.0	360.1	307.9	274.0	250.2
70°	290.8	302.1	328.0	349.4	366.9	367.5	335.3	297.0	257.0	229.4	211.9
72.5°	249.8	260.7	280.2	294.9	308.3	303.9	274.5	244.3	211.9	191.1	178.1
75°	192.7	202.4	212.5	219.2	219.2	213.6	192.2	169.7	151.1	138.7	134.7
77.5°	140.1	148.0	151.4	150.3	148.4	139.6	126.0	111.3	104.6	98.7	95.8
80°	109.9	113.3	114.4	111.6	108.2	98.1	89.0	82.8	76.6	74.4	73.3
82.5°	81.5	84.5	81.5	82.3	74.8	66.5	61.6	59.4	56.8	55.9	54.8
85°	43.4	42.8	41.7	38.9	33.8	32.7	32.1	31.6	30.4	31.0	29.8
87.5°	15.6	14.5	13.0	12.8	13.0	12.4	13.0	13.3	13.5	13.2	14.3
90°	3.3	4.8	6.3	7.7	9.0	10.1	11.2	12.2	13.3	14.1	14.9
92.5°	14.7	16.3	18.0	19.7	21.0	21.7	22.4	23.2	24.0	24.5	24.9
95°	37.5	38.7	39.9	41.2	42.2	43.1	44.1	45.1	46.0	46.4	46.8
97.5°	64.4	65.4	66.3	67.3	68.3	69.5	70.5	71.7	72.7	73.2	73.7
100°	85.3	85.8	86.3	86.8	87.7	88.9	90.2	91.4	92.6	92.9	93.1
102.5°	107.2	107.4	107.6	107.9	108.5	109.6	110.7	111.8	112.9	113.3	113.7
105°	141.1	141.3	141.4	141.5	141.9	142.4	142.9	143.5	144.0	144.4	144.8
107.5°	176.8	177.0	177.2	177.3	177.5	177.6	177.7	177.7	177.8	178.1	178.6
110°	201.1	201.5	201.7	201.9	202.0	201.9	201.8	201.6	201.5	201.2	201.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	226.1	226.2	226.2	226.2	226.2	225.9	225.7	225.4	225.2	225.2	225.1
115°	263.8	263.8	263.8	263.8	263.7	263.4	263.2	262.9	262.6	262.4	262.4
117.5°	299.5	299.6	299.7	299.9	299.8	299.6	299.5	299.2	299.1	298.6	298.2
120°	323.7	324.2	324.7	325.3	325.3	325.0	324.6	324.2	323.8	323.0	322.4
122.5°	348.1	348.2	348.5	348.7	348.7	348.5	348.3	348.1	348.0	347.5	347.0
125°	384.3	384.3	384.3	384.3	384.2	384.0	383.9	383.8	383.6	383.4	383.1
127.5°	417.7	418.1	418.5	418.9	419.0	418.7	418.6	418.3	418.2	417.8	417.6
130°	440.9	441.3	441.7	442.1	442.3	442.3	442.3	442.3	442.3	442.1	441.8
132.5°	464.6	464.8	465.1	465.5	465.5	465.4	465.3	465.2	465.0	464.8	464.6
135°	496.4	497.2	498.0	498.8	499.2	499.2	499.2	499.2	499.2	499.0	498.6
137.5°	530.1	530.4	530.8	531.2	531.5	531.7	531.9	532.1	532.4	532.0	531.7
140°	552.7	553.0	553.3	553.5	553.7	553.7	553.7	553.7	553.7	553.5	553.4
142.5°	573.6	573.8	574.1	574.4	574.5	574.3	574.2	574.1	574.0	574.0	574.0
145°	602.6	603.2	603.7	604.2	604.5	604.7	604.9	605.0	605.1	605.0	604.9
147.5°	631.3	631.9	632.6	633.2	633.5	633.4	633.2	633.2	633.1	632.9	632.8
150°	648.6	649.1	649.7	650.2	650.5	650.5	650.5	650.5	650.5	650.5	650.5
152.5°	664.9	665.2	665.5	665.9	666.0	666.1	666.3	666.3	666.4	666.8	667.1
155°	689.8	689.8	689.8	689.8	689.7	689.6	689.5	689.3	689.3	689.7	690.3
157.5°	710.9	710.6	710.4	710.1	710.0	710.0	710.0	710.0	709.9	710.3	710.7
160°	723.6	723.4	723.3	723.2	723.0	722.9	722.8	722.6	722.5	722.9	723.3
162.5°	735.0	734.6	734.3	733.9	733.7	733.5	733.4	733.3	733.1	733.9	734.6
165°	750.6	750.2	749.7	749.3	749.0	748.7	748.4	748.2	747.9	748.7	749.5
167.5°	762.4	761.8	761.2	760.7	760.3	760.4	760.4	760.4	760.5	761.3	762.1
170°	769.0	768.3	767.7	767.0	766.7	766.9	767.0	767.1	767.3	768.1	768.9
172.5°	774.0	773.4	772.8	772.3	772.0	772.0	772.1	772.1	772.1	773.1	774.0
175°	780.5	779.8	779.2	778.5	778.1	778.0	777.8	777.7	777.6	778.5	779.4
177.5°	782.9	782.3	781.8	781.2	781.0	781.0	781.0	781.0	781.0	781.7	782.4
180°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1467.5	1469.3	1470.6	1475.1	1475.5	1479.6	1475.5
5°	1588.9	1596.8	1609.2	1621.5	1622.7	1630.5	1616.5
7.5°	1725.0	1743.3	1754.7	1774.7	1782.7	1787.5	1779.5
10°	1818.8	1835.7	1865.6	1880.2	1894.9	1897.1	1890.4
12.5°	1909.4	1936.3	1959.8	1987.5	1986.9	2006.7	1999.5
15°	2030.2	2057.8	2090.4	2121.5	2132.7	2132.7	2141.8
17.5°	2116.3	2166.9	2200.7	2225.0	2251.7	2256.3	2253.2
20°	2174.5	2229.1	2265.2	2296.8	2314.8	2319.9	2319.9
22.5°	2217.7	2264.2	2299.5	2327.8	2342.8	2348.7	2346.9
25°	2247.7	2287.7	2309.2	2317.6	2321.6	2320.4	2309.7
27.5°	2206.7	2204.9	2191.4	2165.4	2145.9	2134.1	2120.6
30°	2128.3	2098.9	2065.1	2027.9	1980.0	1943.3	1932.1
32.5°	2011.4	1945.6	1888.3	1826.4	1774.8	1738.2	1722.9
35°	1785.6	1681.3	1596.2	1521.8	1467.7	1433.9	1422.6
37.5°	1517.5	1416.6	1311.2	1239.1	1194.2	1160.0	1147.3
40°	1347.0	1237.1	1145.3	1077.7	1031.4	998.2	997.6
42.5°	1191.5	1086.5	1000.1	951.4	901.6	879.5	879.5
45°	975.6	891.6	818.4	780.1	750.2	732.1	727.1
47.5°	807.8	738.3	689.5	659.0	634.6	623.1	615.7
50°	713.5	652.6	613.8	587.3	573.7	559.1	558.0
52.5°	635.1	586.0	555.6	534.1	517.0	508.2	508.4
55°	533.8	494.9	473.4	457.1	443.6	436.8	434.0
57.5°	449.6	420.4	404.9	389.9	384.2	378.9	377.4
60°	397.4	377.6	363.0	351.1	342.7	341.0	340.4
62.5°	354.1	333.5	323.3	314.1	307.9	305.3	304.4
65°	292.0	276.7	267.7	260.4	258.1	254.2	253.6
67.5°	235.4	226.2	220.3	215.2	212.1	211.9	211.9
70°	200.6	195.6	190.5	187.7	186.0	184.8	184.8
72.5°	170.9	167.1	163.0	161.5	161.2	160.0	159.6
75°	130.2	126.3	126.8	124.0	121.7	119.0	117.2
77.5°	92.3	89.5	88.9	88.6	86.7	86.3	87.2
80°	71.6	68.7	68.2	68.7	68.2	66.5	66.5
82.5°	54.5	52.1	51.5	51.2	50.6	51.2	50.3
85°	29.3	28.2	28.2	28.2	29.3	28.8	28.2
87.5°	13.5	13.2	13.8	13.4	13.5	13.0	13.5
90°	15.7	16.6	17.0	17.4	17.6	17.9	18.2
92.5°	25.4	25.9	26.3	26.4	26.6	26.7	26.9
95°	47.2	47.6	47.8	47.8	47.8	47.8	47.8
97.5°	74.2	74.7	74.9	74.9	74.9	74.9	74.9
100°	93.4	93.7	93.8	93.8	93.8	93.8	93.8
102.5°	114.1	114.4	114.6	114.8	114.9	115.0	115.1
105°	145.2	145.6	146.0	146.4	146.8	147.2	147.7
107.5°	178.9	179.3	179.4	179.4	179.4	179.4	179.4
110°	200.7	200.4	200.5	200.9	201.3	201.7	202.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	225.0	225.0	225.0	225.1	225.2	225.3	225.3
115°	262.2	262.0	262.0	261.8	261.7	261.5	261.4
117.5°	297.7	297.2	296.9	296.6	296.3	296.0	295.8
120°	321.7	321.1	320.8	321.1	321.4	321.6	321.9
122.5°	346.6	346.1	345.6	345.1	344.6	344.2	343.7
125°	382.9	382.5	382.3	382.0	381.7	381.5	381.2
127.5°	417.4	417.0	416.8	416.6	416.4	416.1	416.0
130°	441.5	441.2	440.8	440.3	439.8	439.2	438.7
132.5°	464.3	464.0	463.7	463.6	463.3	463.1	462.9
135°	498.4	498.1	497.8	497.4	497.0	496.6	496.2
137.5°	531.3	531.0	530.8	530.9	531.0	531.1	531.2
140°	553.3	553.1	553.0	552.9	552.7	552.6	552.4
142.5°	573.9	573.9	573.9	573.8	573.8	573.8	573.7
145°	604.7	604.5	604.3	603.9	603.5	603.1	602.7
147.5°	632.8	632.6	632.5	632.3	632.3	632.1	631.9
150°	650.5	650.5	650.4	650.3	650.1	650.0	649.9
152.5°	667.4	667.7	667.7	667.4	667.1	666.7	666.3
155°	690.8	691.4	691.4	690.8	690.3	689.7	689.3
157.5°	711.1	711.5	711.5	711.0	710.6	710.1	709.6
160°	723.7	724.1	724.0	723.3	722.6	721.9	721.3
162.5°	735.3	736.1	736.1	735.4	734.7	734.1	733.4
165°	750.3	751.1	751.3	750.7	750.2	749.7	749.1
167.5°	762.9	763.7	763.7	762.9	762.1	761.2	760.3
170°	769.7	770.5	770.5	769.5	768.6	767.6	766.7
172.5°	774.9	775.8	775.8	774.8	773.9	772.9	772.0
175°	780.4	781.3	781.3	780.4	779.4	778.5	777.6
177.5°	783.2	784.0	783.9	783.0	782.2	781.3	780.5
180°	782.4	782.4	782.4	782.4	782.4	782.4	782.4

(END OF REPORT)