

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: P333705-840

Luminaire Tested: **S125RDIW-S1090D770U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333705-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S1090D770U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 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: 6991.9 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

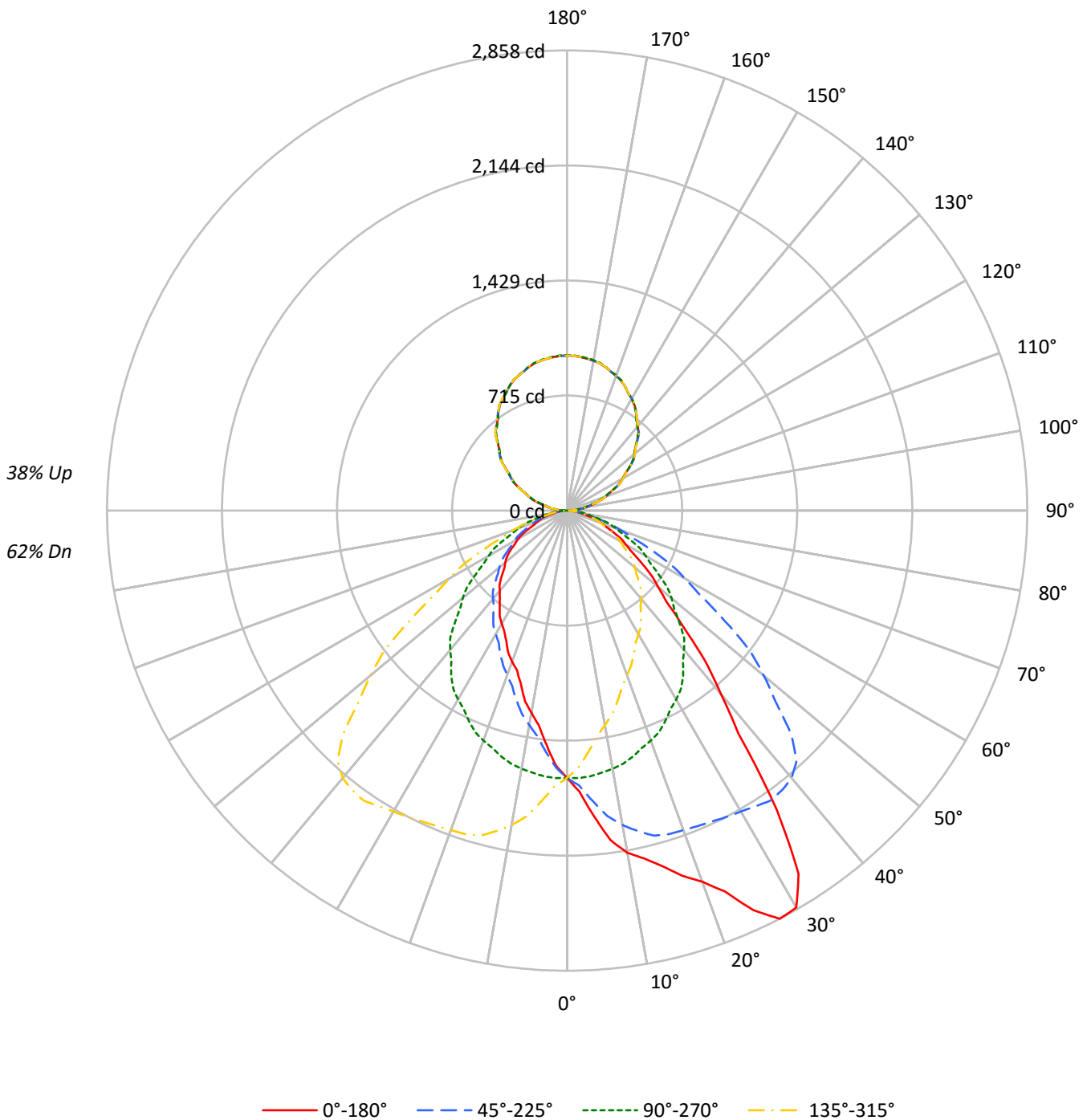
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	91	88	85	80	77	75	69	68	66	60	59	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	84	75	68	62	79	71	64	59	62	57	53	55	51	48	48	45	42	39
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	39	37	34
5	71	60	52	46	67	56	49	44	50	44	40	44	40	36	39	35	32	29
6	66	54	46	40	62	51	44	38	45	39	35	40	35	32	35	31	29	26
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	32	28	25	23
8	57	44	37	31	53	42	35	30	38	32	28	33	29	25	30	26	23	21
9	53	41	33	28	50	38	32	27	35	29	25	31	26	23	27	24	21	19
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	25	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10723	10723	10723	10723
5°	12337	10738	9483	10738
10°	14152	10683	8368	10683
15°	15285	10573	7438	10573
20°	16855	10446	6868	10446
25°	19506	10278	6372	10278
30°	21227	10100	6049	10100
35°	17906	9894	5750	9894
40°	12505	9522	5493	9522
45°	9276	9020	5242	9020
50°	7396	8499	5027	8499
55°	6277	7851	4835	7851
60°	5424	7272	4525	7272
65°	4834	6645	3895	6645
70°	4247	6086	3552	6086
75°	3673	5273	3334	5273
80°	2786	4437	2786	4437
85°	2319	3490	2623	3490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	2.3
10°-20°	466.6	6.7
20°-30°	739.8	10.6
30°-40°	892.2	12.8
40°-50°	796.7	11.4
50°-60°	611.0	8.7
60°-70°	397.1	5.7
70°-80°	193.0	2.8
80°-90°	48.2	0.7
90°-100°	64.5	0.9
100°-110°	190.5	2.7
110°-120°	322.7	4.6
120°-130°	424.7	6.1
130°-140°	475.9	6.8
140°-150°	466.4	6.7
150°-160°	391.7	5.6
160°-170°	260.4	3.7
170°-180°	91.1	1.3
0°-30°	1365.7	19.5
0°-40°	2257.9	32.3
0°-60°	3665.6	52.4
0°-90°	4303.9	61.6
90°-120°	577.8	8.3
90°-150°	1944.8	27.8
90°-180°	2688.0	38.4
0°-180°	6991.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1660	1660	1660	1660	1660	
5°	1903	1656	1463	1656	1903	190
15°	2286	1581	1112	1581	2286	655
25°	2737	1442	894	1442	2737	1257
35°	2271	1255	729	1255	2271	1372
45°	1016	988	574	988	1016	810
55°	558	697	429	697	558	506
65°	316	435	255	435	316	315
75°	147	211	134	211	147	157
85°	31	47	35	47	31	36
90°	18	1	18	1	18	12
95°	64	49	64	49	64	66
105°	186	171	186	171	186	197
115°	326	323	326	323	326	323
125°	474	472	474	472	474	424
135°	616	613	616	613	616	475
145°	746	743	746	743	746	466
155°	850	850	850	850	850	391
165°	922	924	922	924	922	260
175°	957	961	957	961	957	91
180°	963	963	963	963	963	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1746.6	1745.5	1747.7	1741.6	1742.2	1732.9	1732.9	1725.9	1716.6	1709.5	1706.2
5°	1903.0	1904.4	1901.7	1891.5	1884.6	1874.4	1862.8	1842.4	1825.3	1809.0	1796.0
7.5°	2064.2	2065.1	2056.1	2053.0	2035.8	2023.3	1997.5	1969.6	1945.0	1913.7	1889.7
10°	2158.0	2157.3	2147.7	2140.2	2125.3	2106.2	2080.9	2048.2	2017.5	1983.5	1950.8
12.5°	2212.5	2210.7	2207.7	2198.6	2184.6	2167.8	2146.4	2114.2	2076.4	2039.1	2000.9
15°	2286.1	2281.3	2272.5	2260.9	2241.1	2221.3	2197.5	2168.9	2132.7	2090.4	2055.1
17.5°	2377.1	2377.3	2363.7	2347.5	2320.7	2285.8	2249.0	2202.8	2153.7	2107.3	2069.5
20°	2452.4	2450.3	2436.7	2405.4	2374.7	2331.1	2288.9	2232.2	2172.2	2111.6	2064.6
22.5°	2560.4	2555.1	2540.8	2499.7	2452.2	2396.0	2331.4	2262.2	2189.7	2120.8	2059.1
25°	2737.3	2733.2	2705.2	2657.6	2590.8	2504.2	2419.6	2324.9	2220.7	2130.0	2055.1
27.5°	2858.3	2853.9	2833.2	2793.5	2731.9	2640.8	2526.4	2399.7	2269.6	2144.9	2036.8
30°	2846.4	2856.6	2853.9	2835.5	2789.1	2707.3	2601.7	2459.2	2304.5	2158.0	2029.1
32.5°	2675.1	2684.3	2708.3	2744.4	2747.1	2714.4	2635.4	2504.0	2343.8	2177.1	2023.2
35°	2271.1	2283.4	2329.8	2402.7	2498.1	2577.8	2594.1	2523.2	2379.4	2200.2	2014.2
37.5°	1746.0	1813.0	1852.1	1928.8	2073.1	2219.7	2360.8	2412.8	2351.5	2190.7	1999.5
40°	1483.2	1499.5	1569.0	1655.6	1777.0	1929.7	2130.7	2275.8	2280.7	2168.9	1976.6
42.5°	1269.4	1290.1	1337.9	1406.9	1510.9	1663.6	1871.2	2062.6	2151.4	2108.9	1946.6
45°	1015.6	1031.3	1066.0	1119.2	1198.9	1325.0	1503.6	1725.2	1901.0	1969.8	1866.2
47.5°	834.2	842.7	873.0	913.5	972.5	1064.4	1202.6	1394.9	1605.9	1753.7	1739.2
50°	736.1	745.7	768.8	799.5	849.3	927.0	1037.4	1197.6	1415.0	1595.6	1631.7
52.5°	659.7	667.7	682.2	711.1	752.2	811.9	901.1	1046.0	1241.6	1433.7	1517.2
55°	557.5	563.0	574.6	591.0	623.7	666.6	743.7	843.8	1002.0	1195.5	1318.2
57.5°	473.3	476.1	483.4	498.6	521.2	552.5	608.1	693.1	806.5	980.8	1116.2
60°	419.9	422.6	432.1	442.3	460.1	488.7	532.3	591.6	700.6	844.6	981.5
62.5°	377.3	379.0	383.0	393.2	408.8	430.9	465.2	513.6	600.4	726.7	856.1
65°	316.3	316.9	318.3	326.5	336.0	352.3	374.9	409.0	474.4	569.9	684.3
67.5°	257.6	258.6	263.4	266.2	276.2	284.8	298.0	324.1	370.1	434.4	523.5
70°	224.9	224.3	229.0	232.5	235.8	246.1	254.9	276.1	304.7	353.8	428.1
72.5°	194.4	192.6	194.7	195.9	200.4	207.3	216.2	229.1	251.3	285.1	341.9
75°	147.2	147.9	147.9	149.3	152.7	155.4	158.1	164.9	177.2	199.8	230.4
77.5°	103.3	102.2	105.1	105.5	107.6	110.6	112.9	115.6	120.7	129.9	145.7
80°	74.9	74.9	75.6	77.7	77.1	78.4	81.8	84.5	90.7	96.1	101.6
82.5°	57.6	57.0	57.7	58.1	58.0	59.3	60.5	61.1	63.4	66.1	69.9
85°	31.3	31.3	32.0	32.0	32.7	32.7	33.4	33.4	33.4	34.0	34.7
87.5°	15.6	14.9	14.3	14.2	14.6	15.7	14.8	14.1	14.0	13.8	14.1
90°	18.0	17.5	17.0	16.5	16.0	15.3	14.5	13.6	12.8	12.0	10.8
92.5°	35.3	35.0	34.6	34.3	33.9	33.2	32.1	31.0	29.9	28.8	27.4
95°	64.4	64.1	63.8	63.5	63.1	62.4	61.2	60.1	58.9	57.8	56.0
97.5°	97.8	97.6	97.4	97.1	96.9	96.3	95.2	94.1	93.0	91.9	89.6
100°	122.9	122.6	122.3	122.0	121.6	120.7	119.2	117.6	116.2	114.7	112.5
102.5°	148.1	147.6	147.2	146.7	146.2	145.2	143.6	142.0	140.4	138.7	137.5
105°	185.9	185.4	184.9	184.4	183.9	183.2	182.2	181.2	180.2	179.2	178.1
107.5°	224.6	224.6	224.7	224.7	224.7	224.5	224.0	223.5	223.0	222.5	221.8
110°	253.4	253.6	253.7	253.9	254.1	253.9	253.4	252.9	252.4	251.9	251.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	281.6	281.9	282.2	282.5	282.8	282.8	282.6	282.4	282.2	281.9	281.2
115°	326.1	326.3	326.5	326.6	326.8	326.9	327.1	327.3	327.4	327.6	327.3
117.5°	369.6	370.2	370.9	371.6	372.2	372.5	372.3	372.2	372.1	372.0	371.7
120°	399.6	400.2	400.9	401.6	402.2	402.5	402.5	402.5	402.5	402.5	402.4
122.5°	429.6	430.1	430.6	431.1	431.7	432.0	432.1	432.3	432.4	432.5	432.1
125°	474.5	474.7	474.8	475.0	475.2	475.4	475.7	476.2	476.5	476.8	476.7
127.5°	517.8	518.1	518.4	518.8	519.1	519.3	519.5	519.7	519.8	520.0	519.8
130°	546.5	546.8	547.1	547.5	547.9	548.1	548.3	548.5	548.6	548.8	548.5
132.5°	573.5	574.0	574.4	574.9	575.3	575.7	575.8	576.0	576.2	576.3	576.4
135°	615.5	616.1	616.8	617.4	618.1	618.4	618.4	618.4	618.4	618.4	618.3
137.5°	656.5	657.4	658.2	659.0	659.8	660.2	660.0	659.8	659.6	659.4	659.0
140°	683.0	683.8	684.6	685.5	686.3	686.5	686.2	685.9	685.5	685.2	684.7
142.5°	708.1	708.9	709.8	710.6	711.4	711.8	711.6	711.3	711.1	710.9	710.3
145°	745.9	746.4	746.9	747.4	747.9	748.2	748.2	748.2	748.2	748.2	747.7
147.5°	778.2	779.3	780.4	781.5	782.6	783.0	782.6	782.2	781.8	781.4	781.0
150°	802.1	802.4	802.8	803.1	803.4	803.7	803.7	803.7	803.7	803.7	802.9
152.5°	821.9	822.5	823.1	823.7	824.4	824.5	824.0	823.6	823.2	822.8	822.5
155°	850.1	850.9	851.8	852.6	853.4	853.5	852.8	852.2	851.5	850.9	850.7
157.5°	873.6	874.7	875.9	877.0	878.1	878.3	877.6	877.0	876.3	875.7	875.5
160°	889.9	890.7	891.5	892.3	893.2	893.2	892.6	891.9	891.3	890.6	890.4
162.5°	903.6	904.6	905.5	906.6	907.6	907.6	906.8	906.1	905.2	904.4	904.3
165°	922.1	923.1	924.1	925.1	926.0	926.2	925.6	924.9	924.2	923.6	923.4
167.5°	936.8	937.9	938.9	939.9	940.9	940.9	940.0	939.0	938.0	937.0	937.0
170°	944.6	945.7	947.0	948.1	949.3	949.4	948.4	947.4	946.3	945.3	945.3
172.5°	951.2	952.2	953.2	954.3	955.3	955.3	954.3	953.3	952.3	951.3	951.3
175°	957.4	958.5	959.7	960.8	962.0	962.1	961.1	960.1	959.1	958.1	958.1
177.5°	960.9	961.9	962.8	963.7	964.6	964.7	963.9	963.1	962.3	961.5	961.7
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1706.2	1702.3	1695.3	1688.7	1680.5	1673.4	1668.6	1662.5	1655.0	1645.7	1638.0
5°	1781.7	1766.7	1747.0	1729.9	1708.1	1691.0	1673.3	1656.3	1639.2	1617.4	1598.3
7.5°	1865.4	1834.4	1804.3	1766.5	1732.1	1701.4	1671.9	1642.1	1613.0	1582.0	1552.2
10°	1916.6	1879.2	1837.6	1789.9	1746.3	1704.7	1666.5	1629.0	1589.5	1554.7	1517.2
12.5°	1964.7	1916.2	1868.7	1808.5	1756.1	1705.3	1656.7	1609.9	1567.7	1522.6	1482.4
15°	2008.0	1960.2	1907.1	1833.5	1760.6	1699.2	1641.9	1581.3	1528.8	1478.3	1433.4
17.5°	2024.8	1974.7	1913.0	1842.2	1762.5	1685.4	1611.5	1545.1	1483.3	1424.5	1373.9
20°	2018.2	1969.8	1906.4	1839.0	1753.7	1673.3	1593.6	1519.9	1451.2	1389.1	1335.2
22.5°	2002.4	1952.4	1891.2	1819.9	1739.0	1653.7	1568.5	1490.0	1417.9	1353.6	1294.9
25°	1978.7	1910.6	1847.9	1778.3	1701.3	1616.8	1528.8	1442.3	1365.2	1299.8	1235.8
27.5°	1954.0	1869.0	1789.2	1720.1	1638.7	1563.3	1478.5	1389.8	1308.8	1242.1	1176.4
30°	1931.7	1836.2	1748.3	1669.9	1592.9	1521.4	1440.9	1354.3	1271.2	1202.3	1135.6
32.5°	1903.8	1802.4	1705.8	1615.4	1541.1	1470.1	1397.2	1314.5	1233.6	1162.6	1094.7
35°	1869.0	1739.5	1634.5	1538.3	1455.9	1387.0	1321.6	1254.9	1173.8	1100.1	1034.0
37.5°	1823.1	1676.2	1554.7	1450.1	1363.0	1293.9	1242.2	1181.2	1107.2	1036.7	975.3
40°	1795.3	1630.4	1497.4	1393.9	1302.5	1229.6	1181.2	1129.4	1062.0	995.8	934.4
42.5°	1758.3	1588.4	1439.7	1331.7	1239.8	1169.6	1120.6	1075.4	1018.9	956.5	890.8
45°	1685.6	1507.0	1350.9	1235.1	1142.4	1073.5	1027.8	987.6	944.7	887.5	830.2
47.5°	1590.9	1422.1	1258.8	1132.3	1041.5	977.5	933.2	901.5	870.8	822.1	766.5
50°	1515.2	1352.3	1192.8	1070.2	973.3	912.6	871.1	845.9	817.9	773.7	727.3
52.5°	1425.7	1280.3	1124.1	998.7	907.4	850.5	810.5	785.4	762.3	726.2	682.0
55°	1284.9	1157.4	1014.2	900.4	816.6	759.3	721.1	697.3	683.7	653.0	618.2
57.5°	1122.2	1030.9	904.6	794.9	720.7	664.2	636.2	615.9	600.5	578.9	554.3
60°	1008.8	944.7	831.5	727.3	659.1	605.2	580.1	563.0	548.7	530.3	511.2
62.5°	893.7	847.1	748.7	659.1	596.4	551.3	527.7	512.3	495.8	483.4	464.8
65°	739.5	697.9	629.8	559.6	501.7	465.5	448.5	434.8	424.6	411.0	398.1
67.5°	575.3	558.4	511.3	462.9	421.3	389.2	374.5	365.0	352.6	344.5	335.6
70°	474.4	466.3	432.8	400.8	361.9	340.1	326.5	322.3	307.4	299.2	293.1
72.5°	385.0	381.1	361.9	339.7	312.4	293.3	280.6	276.1	266.5	259.9	256.0
75°	263.8	265.2	261.8	247.4	237.2	224.9	214.0	211.3	204.5	199.0	195.6
77.5°	166.8	173.8	174.1	173.4	169.4	161.8	157.3	155.3	148.6	146.5	145.7
80°	114.5	122.0	128.9	128.2	126.7	124.7	121.3	119.3	115.8	113.8	112.5
82.5°	76.3	83.3	89.0	92.7	92.4	90.4	88.1	87.2	86.4	84.9	84.6
85°	36.2	37.5	39.5	44.3	47.7	48.4	47.7	47.1	44.9	45.6	46.4
87.5°	14.4	14.2	14.5	14.3	13.5	16.0	17.4	17.6	16.8	16.0	15.1
90°	9.7	8.5	7.4	6.1	4.7	3.4	2.1	0.7	2.1	3.4	4.7
92.5°	26.0	24.5	23.0	21.9	20.9	20.0	19.1	18.2	19.1	20.0	20.9
95°	54.4	52.7	51.1	50.1	49.7	49.4	49.1	48.8	49.1	49.4	49.7
97.5°	87.4	85.0	82.7	81.5	81.4	81.2	81.1	81.0	81.1	81.2	81.4
100°	110.4	108.2	106.0	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
102.5°	136.5	135.4	134.3	133.4	132.7	132.1	131.4	130.8	131.4	132.1	132.7
105°	177.1	176.2	175.2	174.3	173.4	172.6	171.8	171.0	171.8	172.6	173.4
107.5°	221.0	220.3	219.4	218.6	217.8	217.0	216.1	215.3	216.1	217.0	217.8
110°	250.9	250.3	249.8	249.2	248.4	247.5	246.7	245.9	246.7	247.5	248.4



TEST NUMBER: P333705-840

CATALOG NUMBER: S125RDIW-S1090D770U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.6	279.9	279.3	278.8	278.4	277.9	277.5	277.1	277.5	277.9	278.4
115°	326.9	326.6	326.3	325.8	325.1	324.5	323.8	323.2	323.8	324.5	325.1
117.5°	371.4	371.1	370.8	370.5	370.2	369.9	369.6	369.3	369.6	369.9	370.2
120°	402.2	402.0	401.9	401.4	400.6	399.7	398.9	398.1	398.9	399.7	400.6
122.5°	431.7	431.2	430.8	430.5	430.2	429.9	429.6	429.3	429.6	429.9	430.2
125°	476.5	476.3	476.2	475.5	474.5	473.5	472.5	471.5	472.5	473.5	474.5
127.5°	519.6	519.4	519.2	518.8	518.3	517.7	517.1	516.5	517.1	517.7	518.3
130°	548.1	547.8	547.4	546.8	546.0	545.2	544.3	543.5	544.3	545.2	546.0
132.5°	576.4	576.5	576.6	575.9	574.6	573.2	571.9	570.5	571.9	573.2	574.6
135°	618.1	617.9	617.8	617.2	616.2	615.2	614.2	613.2	614.2	615.2	616.2
137.5°	658.6	658.3	657.9	657.3	656.3	655.3	654.4	653.4	654.4	655.3	656.3
140°	684.2	683.7	683.2	682.6	681.7	680.9	680.0	679.2	680.0	680.9	681.7
142.5°	709.7	709.1	708.4	707.8	707.1	706.4	705.7	705.0	705.7	706.4	707.1
145°	747.2	746.7	746.2	745.6	744.9	744.3	743.6	743.0	743.6	744.3	744.9
147.5°	780.6	780.2	779.8	779.5	779.1	778.7	778.4	778.0	778.4	778.7	779.1
150°	802.3	801.6	801.0	800.7	800.9	801.0	801.2	801.4	801.2	801.0	800.9
152.5°	822.3	822.0	821.7	821.5	821.3	821.0	820.8	820.6	820.8	821.0	821.3
155°	850.5	850.4	850.2	850.1	850.1	850.1	850.1	850.1	850.1	850.1	850.1
157.5°	875.3	875.1	874.9	875.0	875.5	875.8	876.2	876.6	876.2	875.8	875.5
160°	890.3	890.1	889.9	890.1	890.6	891.1	891.6	892.1	891.6	891.1	890.6
162.5°	904.3	904.3	904.2	904.4	904.8	905.1	905.5	905.9	905.5	905.1	904.8
165°	923.2	923.1	922.9	923.0	923.3	923.7	924.0	924.3	924.0	923.7	923.3
167.5°	937.0	937.0	937.0	937.3	938.0	938.6	939.3	940.0	939.3	938.6	938.0
170°	945.3	945.3	945.3	945.6	946.3	947.0	947.7	948.4	947.7	947.0	946.3
172.5°	951.3	951.3	951.3	951.7	952.3	953.0	953.6	954.3	953.6	953.0	952.3
175°	958.1	958.1	958.1	958.4	959.1	959.8	960.4	961.1	960.4	959.8	959.1
177.5°	961.8	961.9	962.1	962.4	962.9	963.4	964.0	964.5	964.0	963.4	962.9
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333705-840

CATALOG NUMBER: S125RDIW-S1090D770U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1632.5	1625.0	1619.5	1608.6	1600.9	1597.7	1591.6	1590.0	1596.0	1591.6	1591.1
5°	1584.1	1564.3	1548.6	1532.9	1515.9	1505.0	1488.6	1485.9	1481.8	1475.6	1474.3
7.5°	1525.8	1500.1	1479.9	1454.0	1431.5	1413.4	1392.9	1383.2	1378.0	1370.0	1359.4
10°	1486.5	1455.9	1428.7	1402.7	1374.8	1352.3	1331.8	1316.2	1306.0	1296.4	1292.3
12.5°	1447.8	1416.6	1381.7	1350.4	1319.2	1293.9	1271.3	1261.1	1249.8	1238.6	1229.1
15°	1387.8	1346.2	1308.0	1271.8	1245.3	1218.0	1196.2	1181.2	1164.2	1159.4	1141.0
17.5°	1323.9	1283.1	1238.5	1200.4	1169.6	1139.6	1115.6	1098.6	1085.8	1068.2	1059.8
20°	1284.1	1235.8	1192.1	1157.4	1123.3	1087.8	1063.3	1048.9	1036.7	1022.4	1015.6
22.5°	1241.6	1194.3	1149.6	1108.8	1074.2	1039.4	1021.9	1007.0	993.1	979.9	970.9
25°	1179.1	1131.5	1084.4	1042.2	1006.0	980.8	960.4	943.3	935.8	922.9	913.3
27.5°	1117.4	1066.7	1017.9	975.7	947.5	922.5	905.7	892.2	878.7	867.4	859.1
30°	1077.6	1025.8	972.6	939.3	909.3	885.3	867.0	854.0	843.8	833.6	827.5
32.5°	1037.8	984.4	937.2	901.1	872.7	852.1	833.1	820.8	810.0	798.7	791.4
35°	974.0	919.5	881.3	845.9	817.9	798.8	785.9	768.2	759.3	751.1	743.7
37.5°	914.7	864.0	822.7	791.6	767.3	748.4	731.6	722.1	711.1	703.8	697.5
40°	871.1	824.8	787.3	754.6	736.8	715.7	700.0	687.7	679.5	670.0	663.2
42.5°	831.8	788.7	752.3	722.9	700.8	683.0	667.8	655.6	645.2	638.4	632.7
45°	776.4	733.4	697.9	670.7	650.3	633.2	617.5	611.4	597.7	589.6	586.8
47.5°	718.9	680.5	646.3	621.2	600.3	584.1	569.4	556.8	549.4	541.3	536.9
50°	680.2	643.4	611.4	586.8	566.4	548.7	535.0	526.8	516.6	509.2	503.7
52.5°	641.6	607.4	575.4	552.0	534.2	516.5	501.3	493.1	483.4	478.6	474.8
55°	586.2	550.1	522.8	499.6	481.2	464.8	450.5	442.3	436.3	431.4	430.1
57.5°	523.5	494.8	469.5	448.6	429.5	414.1	401.6	393.8	388.4	387.7	383.6
60°	482.6	456.7	433.5	411.0	394.7	380.3	369.4	360.5	355.1	354.5	353.0
62.5°	441.7	416.9	395.4	375.6	360.8	347.1	336.7	326.8	323.5	320.1	317.1
65°	381.0	358.5	340.8	325.1	309.4	297.8	287.6	281.6	274.0	269.9	262.5
67.5°	321.4	304.0	287.0	273.8	261.5	250.4	242.0	232.9	227.8	224.5	219.0
70°	282.2	268.5	251.6	237.2	227.6	218.8	212.0	201.8	198.3	195.6	192.9
72.5°	245.1	233.1	218.8	207.2	197.6	189.3	181.5	176.6	173.3	170.6	169.0
75°	192.9	181.3	169.1	160.9	154.0	147.2	143.1	139.8	138.4	137.6	134.9
77.5°	141.7	135.5	125.7	119.2	114.6	111.9	108.3	106.4	106.3	103.3	102.4
80°	108.4	104.9	96.7	94.0	90.7	88.0	85.8	82.5	79.1	77.7	75.6
82.5°	80.6	77.2	73.9	69.5	66.7	65.0	63.0	61.7	62.2	60.3	59.3
85°	42.9	39.5	38.2	37.5	36.2	37.5	36.8	36.2	35.4	34.7	35.4
87.5°	14.8	15.1	14.7	16.2	14.7	15.5	15.7	15.2	15.5	15.7	15.1
90°	6.1	7.4	8.5	9.7	10.8	12.0	12.8	13.6	14.5	15.3	16.0
92.5°	21.9	23.0	24.5	26.0	27.4	28.8	29.9	31.0	32.1	33.2	33.9
95°	50.1	51.1	52.7	54.4	56.0	57.8	58.9	60.1	61.2	62.4	63.1
97.5°	81.5	82.7	85.0	87.4	89.6	91.9	93.0	94.1	95.2	96.3	96.9
100°	104.9	106.0	108.2	110.4	112.5	114.7	116.2	117.6	119.2	120.7	121.6
102.5°	133.4	134.3	135.4	136.5	137.5	138.7	140.4	142.0	143.6	145.2	146.2
105°	174.3	175.2	176.2	177.1	178.1	179.2	180.2	181.2	182.2	183.2	183.9
107.5°	218.6	219.4	220.3	221.0	221.8	222.5	223.0	223.5	224.0	224.5	224.7
110°	249.2	249.8	250.3	250.9	251.4	251.9	252.4	252.9	253.4	253.9	254.1



TEST NUMBER: P333705-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	278.8	279.3	279.9	280.6	281.2	281.9	282.2	282.4	282.6	282.8	282.8
115°	325.8	326.3	326.6	326.9	327.3	327.6	327.4	327.3	327.1	326.9	326.8
117.5°	370.5	370.8	371.1	371.4	371.7	372.0	372.1	372.2	372.3	372.5	372.2
120°	401.4	401.9	402.0	402.2	402.4	402.5	402.5	402.5	402.5	402.5	402.2
122.5°	430.5	430.8	431.2	431.7	432.1	432.5	432.4	432.3	432.1	432.0	431.7
125°	475.5	476.2	476.3	476.5	476.7	476.8	476.5	476.2	475.7	475.4	475.2
127.5°	518.8	519.2	519.4	519.6	519.8	520.0	519.8	519.7	519.5	519.3	519.1
130°	546.8	547.4	547.8	548.1	548.5	548.8	548.6	548.5	548.3	548.1	547.9
132.5°	575.9	576.6	576.5	576.4	576.4	576.3	576.2	576.0	575.8	575.7	575.3
135°	617.2	617.8	617.9	618.1	618.3	618.4	618.4	618.4	618.4	618.4	618.1
137.5°	657.3	657.9	658.3	658.6	659.0	659.4	659.6	659.8	660.0	660.2	659.8
140°	682.6	683.2	683.7	684.2	684.7	685.2	685.5	685.9	686.2	686.5	686.3
142.5°	707.8	708.4	709.1	709.7	710.3	710.9	711.1	711.3	711.6	711.8	711.4
145°	745.6	746.2	746.7	747.2	747.7	748.2	748.2	748.2	748.2	748.2	747.9
147.5°	779.5	779.8	780.2	780.6	781.0	781.4	781.8	782.2	782.6	783.0	782.6
150°	800.7	801.0	801.6	802.3	802.9	803.7	803.7	803.7	803.7	803.7	803.4
152.5°	821.5	821.7	822.0	822.3	822.5	822.8	823.2	823.6	824.0	824.5	824.4
155°	850.1	850.2	850.4	850.5	850.7	850.9	851.5	852.2	852.8	853.5	853.4
157.5°	875.0	874.9	875.1	875.3	875.5	875.7	876.3	877.0	877.6	878.3	878.1
160°	890.1	889.9	890.1	890.3	890.4	890.6	891.3	891.9	892.6	893.2	893.2
162.5°	904.4	904.2	904.3	904.3	904.3	904.4	905.2	906.1	906.8	907.6	907.6
165°	923.0	922.9	923.1	923.2	923.4	923.6	924.2	924.9	925.6	926.2	926.0
167.5°	937.3	937.0	937.0	937.0	937.0	937.0	938.0	939.0	940.0	940.9	940.9
170°	945.6	945.3	945.3	945.3	945.3	945.3	946.3	947.4	948.4	949.4	949.3
172.5°	951.7	951.3	951.3	951.3	951.3	951.3	952.3	953.3	954.3	955.3	955.3
175°	958.4	958.1	958.1	958.1	958.1	958.1	959.1	960.1	961.1	962.1	962.0
177.5°	962.4	962.1	961.9	961.8	961.7	961.5	962.3	963.1	963.9	964.7	964.6
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333705-840

CATALOG NUMBER: S125RDIW-S1090D770U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1590.5	1584.6	1583.0	1585.1	1583.0	1584.6	1590.5	1591.1	1591.6	1596.0	1590.0
5°	1467.5	1460.7	1464.1	1462.7	1464.1	1460.7	1467.5	1474.3	1475.6	1481.8	1485.9
7.5°	1359.3	1350.8	1341.8	1344.6	1341.8	1350.8	1359.3	1359.4	1370.0	1378.0	1383.2
10°	1283.4	1276.7	1272.5	1276.0	1272.5	1276.7	1283.4	1292.3	1296.4	1306.0	1316.2
12.5°	1219.6	1215.6	1212.0	1210.5	1212.0	1215.6	1219.6	1229.1	1238.6	1249.8	1261.1
15°	1132.9	1124.7	1121.3	1112.4	1121.3	1124.7	1132.9	1141.0	1159.4	1164.2	1181.2
17.5°	1052.8	1050.1	1041.2	1037.4	1041.2	1050.1	1052.8	1059.8	1068.2	1085.8	1098.6
20°	1005.3	1002.6	993.8	999.3	993.8	1002.6	1005.3	1015.6	1022.4	1036.7	1048.9
22.5°	966.1	960.1	957.3	955.6	957.3	960.1	966.1	970.9	979.9	993.1	1007.0
25°	910.6	901.7	898.4	894.2	898.4	901.7	910.6	913.3	922.9	935.8	943.3
27.5°	855.3	850.5	846.0	845.0	846.0	850.5	855.3	859.1	867.4	878.7	892.2
30°	819.3	814.6	811.1	811.1	811.1	814.6	819.3	827.5	833.6	843.8	854.0
32.5°	787.1	783.5	780.0	779.5	780.0	783.5	787.1	791.4	798.7	810.0	820.8
35°	740.2	734.8	733.4	729.3	733.4	734.8	740.2	743.7	751.1	759.3	768.2
37.5°	691.6	687.0	686.9	686.5	686.9	687.0	691.6	697.5	703.8	711.1	722.1
40°	660.5	657.0	656.4	651.6	656.4	657.0	660.5	663.2	670.0	679.5	687.7
42.5°	627.2	625.4	623.1	621.1	623.1	625.4	627.2	632.7	638.4	645.2	655.6
45°	582.1	577.3	577.3	573.9	577.3	577.3	582.1	586.8	589.6	597.7	611.4
47.5°	535.4	531.8	532.2	528.7	532.2	531.8	535.4	536.9	541.3	549.4	556.8
50°	504.4	502.3	501.7	500.3	501.7	502.3	504.4	503.7	509.2	516.6	526.8
52.5°	473.3	472.3	474.9	471.9	474.9	472.3	473.3	474.8	478.6	483.4	493.1
55°	431.4	429.4	433.5	429.4	433.5	429.4	431.4	430.1	431.4	436.3	442.3
57.5°	383.3	381.4	385.1	383.0	385.1	381.4	383.3	383.6	387.7	388.4	393.8
60°	351.7	347.6	349.6	350.3	349.6	347.6	351.7	353.0	354.5	355.1	360.5
62.5°	314.1	311.6	313.2	310.0	313.2	311.6	314.1	317.1	320.1	323.5	326.8
65°	261.1	259.0	256.3	254.9	256.3	259.0	261.1	262.5	269.9	274.0	281.6
67.5°	219.3	214.4	214.3	215.4	214.3	214.4	219.3	219.0	224.5	227.8	232.9
70°	188.8	188.8	188.1	188.1	188.1	188.8	188.8	192.9	195.6	198.3	201.8
72.5°	167.5	167.0	165.7	165.2	165.7	167.0	167.5	169.0	170.6	173.3	176.6
75°	134.9	135.6	134.3	133.6	134.3	135.6	134.9	134.9	137.6	138.4	139.8
77.5°	99.7	96.7	98.3	96.7	98.3	96.7	99.7	102.4	103.3	106.3	106.4
80°	75.6	74.9	77.1	74.9	77.1	74.9	75.6	75.6	77.7	79.1	82.5
82.5°	59.9	59.2	60.1	58.6	60.1	59.2	59.9	59.3	60.3	62.2	61.7
85°	36.2	35.4	34.7	35.4	34.7	35.4	36.2	35.4	34.7	35.4	36.2
87.5°	15.9	15.3	15.5	15.6	15.5	15.3	15.9	15.1	15.7	15.5	15.2
90°	16.5	17.0	17.5	18.0	17.5	17.0	16.5	16.0	15.3	14.5	13.6
92.5°	34.3	34.6	35.0	35.3	35.0	34.6	34.3	33.9	33.2	32.1	31.0
95°	63.5	63.8	64.1	64.4	64.1	63.8	63.5	63.1	62.4	61.2	60.1
97.5°	97.1	97.4	97.6	97.8	97.6	97.4	97.1	96.9	96.3	95.2	94.1
100°	122.0	122.3	122.6	122.9	122.6	122.3	122.0	121.6	120.7	119.2	117.6
102.5°	146.7	147.2	147.6	148.1	147.6	147.2	146.7	146.2	145.2	143.6	142.0
105°	184.4	184.9	185.4	185.9	185.4	184.9	184.4	183.9	183.2	182.2	181.2
107.5°	224.7	224.7	224.6	224.6	224.6	224.7	224.7	224.7	224.5	224.0	223.5
110°	253.9	253.7	253.6	253.4	253.6	253.7	253.9	254.1	253.9	253.4	252.9



TEST NUMBER: P333705-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	282.5	282.2	281.9	281.6	281.9	282.2	282.5	282.8	282.8	282.6	282.4
115°	326.6	326.5	326.3	326.1	326.3	326.5	326.6	326.8	326.9	327.1	327.3
117.5°	371.6	370.9	370.2	369.6	370.2	370.9	371.6	372.2	372.5	372.3	372.2
120°	401.6	400.9	400.2	399.6	400.2	400.9	401.6	402.2	402.5	402.5	402.5
122.5°	431.1	430.6	430.1	429.6	430.1	430.6	431.1	431.7	432.0	432.1	432.3
125°	475.0	474.8	474.7	474.5	474.7	474.8	475.0	475.2	475.4	475.7	476.2
127.5°	518.8	518.4	518.1	517.8	518.1	518.4	518.8	519.1	519.3	519.5	519.7
130°	547.5	547.1	546.8	546.5	546.8	547.1	547.5	547.9	548.1	548.3	548.5
132.5°	574.9	574.4	574.0	573.5	574.0	574.4	574.9	575.3	575.7	575.8	576.0
135°	617.4	616.8	616.1	615.5	616.1	616.8	617.4	618.1	618.4	618.4	618.4
137.5°	659.0	658.2	657.4	656.5	657.4	658.2	659.0	659.8	660.2	660.0	659.8
140°	685.5	684.6	683.8	683.0	683.8	684.6	685.5	686.3	686.5	686.2	685.9
142.5°	710.6	709.8	708.9	708.1	708.9	709.8	710.6	711.4	711.8	711.6	711.3
145°	747.4	746.9	746.4	745.9	746.4	746.9	747.4	747.9	748.2	748.2	748.2
147.5°	781.5	780.4	779.3	778.2	779.3	780.4	781.5	782.6	783.0	782.6	782.2
150°	803.1	802.8	802.4	802.1	802.4	802.8	803.1	803.4	803.7	803.7	803.7
152.5°	823.7	823.1	822.5	821.9	822.5	823.1	823.7	824.4	824.5	824.0	823.6
155°	852.6	851.8	850.9	850.1	850.9	851.8	852.6	853.4	853.5	852.8	852.2
157.5°	877.0	875.9	874.7	873.6	874.7	875.9	877.0	878.1	878.3	877.6	877.0
160°	892.3	891.5	890.7	889.9	890.7	891.5	892.3	893.2	893.2	892.6	891.9
162.5°	906.6	905.5	904.6	903.6	904.6	905.5	906.6	907.6	907.6	906.8	906.1
165°	925.1	924.1	923.1	922.1	923.1	924.1	925.1	926.0	926.2	925.6	924.9
167.5°	939.9	938.9	937.9	936.8	937.9	938.9	939.9	940.9	940.9	940.0	939.0
170°	948.1	947.0	945.7	944.6	945.7	947.0	948.1	949.3	949.4	948.4	947.4
172.5°	954.3	953.2	952.2	951.2	952.2	953.2	954.3	955.3	955.3	954.3	953.3
175°	960.8	959.7	958.5	957.4	958.5	959.7	960.8	962.0	962.1	961.1	960.1
177.5°	963.7	962.8	961.9	960.9	961.9	962.8	963.7	964.6	964.7	963.9	963.1
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333705-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1591.6	1597.7	1600.9	1608.6	1619.5	1625.0	1632.5	1638.0	1645.7	1655.0	1662.5
5°	1488.6	1505.0	1515.9	1532.9	1548.6	1564.3	1584.1	1598.3	1617.4	1639.2	1656.3
7.5°	1392.9	1413.4	1431.5	1454.0	1479.9	1500.1	1525.8	1552.2	1582.0	1613.0	1642.1
10°	1331.8	1352.3	1374.8	1402.7	1428.7	1455.9	1486.5	1517.2	1554.7	1589.5	1629.0
12.5°	1271.3	1293.9	1319.2	1350.4	1381.7	1416.6	1447.8	1482.4	1522.6	1567.7	1609.9
15°	1196.2	1218.0	1245.3	1271.8	1308.0	1346.2	1387.8	1433.4	1478.3	1528.8	1581.3
17.5°	1115.6	1139.6	1169.6	1200.4	1238.5	1283.1	1323.9	1373.9	1424.5	1483.3	1545.1
20°	1063.3	1087.8	1123.3	1157.4	1192.1	1235.8	1284.1	1335.2	1389.1	1451.2	1519.9
22.5°	1021.9	1039.4	1074.2	1108.8	1149.6	1194.3	1241.6	1294.9	1353.6	1417.9	1490.0
25°	960.4	980.8	1006.0	1042.2	1084.4	1131.5	1179.1	1235.8	1299.8	1365.2	1442.3
27.5°	905.7	922.5	947.5	975.7	1017.9	1066.7	1117.4	1176.4	1242.1	1308.8	1389.8
30°	867.0	885.3	909.3	939.3	972.6	1025.8	1077.6	1135.6	1202.3	1271.2	1354.3
32.5°	833.1	852.1	872.7	901.1	937.2	984.4	1037.8	1094.7	1162.6	1233.6	1314.5
35°	785.9	798.8	817.9	845.9	881.3	919.5	974.0	1034.0	1100.1	1173.8	1254.9
37.5°	731.6	748.4	767.3	791.6	822.7	864.0	914.7	975.3	1036.7	1107.2	1181.2
40°	700.0	715.7	736.8	754.6	787.3	824.8	871.1	934.4	995.8	1062.0	1129.4
42.5°	667.8	683.0	700.8	722.9	752.3	788.7	831.8	890.8	956.5	1018.9	1075.4
45°	617.5	633.2	650.3	670.7	697.9	733.4	776.4	830.2	887.5	944.7	987.6
47.5°	569.4	584.1	600.3	621.2	646.3	680.5	718.9	766.5	822.1	870.8	901.5
50°	535.0	548.7	566.4	586.8	611.4	643.4	680.2	727.3	773.7	817.9	845.9
52.5°	501.3	516.5	534.2	552.0	575.4	607.4	641.6	682.0	726.2	762.3	785.4
55°	450.5	464.8	481.2	499.6	522.8	550.1	586.2	618.2	653.0	683.7	697.3
57.5°	401.6	414.1	429.5	448.6	469.5	494.8	523.5	554.3	578.9	600.5	615.9
60°	369.4	380.3	394.7	411.0	433.5	456.7	482.6	511.2	530.3	548.7	563.0
62.5°	336.7	347.1	360.8	375.6	395.4	416.9	441.7	464.8	483.4	495.8	512.3
65°	287.6	297.8	309.4	325.1	340.8	358.5	381.0	398.1	411.0	424.6	434.8
67.5°	242.0	250.4	261.5	273.8	287.0	304.0	321.4	335.6	344.5	352.6	365.0
70°	212.0	218.8	227.6	237.2	251.6	268.5	282.2	293.1	299.2	307.4	322.3
72.5°	181.5	189.3	197.6	207.2	218.8	233.1	245.1	256.0	259.9	266.5	276.1
75°	143.1	147.2	154.0	160.9	169.1	181.3	192.9	195.6	199.0	204.5	211.3
77.5°	108.3	111.9	114.6	119.2	125.7	135.5	141.7	145.7	146.5	148.6	155.3
80°	85.8	88.0	90.7	94.0	96.7	104.9	108.4	112.5	113.8	115.8	119.3
82.5°	63.0	65.0	66.7	69.5	73.9	77.2	80.6	84.6	84.9	86.4	87.2
85°	36.8	37.5	36.2	37.5	38.2	39.5	42.9	46.4	45.6	44.9	47.1
87.5°	15.7	15.5	14.7	16.2	14.7	15.1	14.8	15.1	16.0	16.8	17.6
90°	12.8	12.0	10.8	9.7	8.5	7.4	6.1	4.7	3.4	2.1	0.7
92.5°	29.9	28.8	27.4	26.0	24.5	23.0	21.9	20.9	20.0	19.1	18.2
95°	58.9	57.8	56.0	54.4	52.7	51.1	50.1	49.7	49.4	49.1	48.8
97.5°	93.0	91.9	89.6	87.4	85.0	82.7	81.5	81.4	81.2	81.1	81.0
100°	116.2	114.7	112.5	110.4	108.2	106.0	104.9	104.9	104.9	104.9	104.9
102.5°	140.4	138.7	137.5	136.5	135.4	134.3	133.4	132.7	132.1	131.4	130.8
105°	180.2	179.2	178.1	177.1	176.2	175.2	174.3	173.4	172.6	171.8	171.0
107.5°	223.0	222.5	221.8	221.0	220.3	219.4	218.6	217.8	217.0	216.1	215.3
110°	252.4	251.9	251.4	250.9	250.3	249.8	249.2	248.4	247.5	246.7	245.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	282.2	281.9	281.2	280.6	279.9	279.3	278.8	278.4	277.9	277.5	277.1
115°	327.4	327.6	327.3	326.9	326.6	326.3	325.8	325.1	324.5	323.8	323.2
117.5°	372.1	372.0	371.7	371.4	371.1	370.8	370.5	370.2	369.9	369.6	369.3
120°	402.5	402.5	402.4	402.2	402.0	401.9	401.4	400.6	399.7	398.9	398.1
122.5°	432.4	432.5	432.1	431.7	431.2	430.8	430.5	430.2	429.9	429.6	429.3
125°	476.5	476.8	476.7	476.5	476.3	476.2	475.5	474.5	473.5	472.5	471.5
127.5°	519.8	520.0	519.8	519.6	519.4	519.2	518.8	518.3	517.7	517.1	516.5
130°	548.6	548.8	548.5	548.1	547.8	547.4	546.8	546.0	545.2	544.3	543.5
132.5°	576.2	576.3	576.4	576.4	576.5	576.6	575.9	574.6	573.2	571.9	570.5
135°	618.4	618.4	618.3	618.1	617.9	617.8	617.2	616.2	615.2	614.2	613.2
137.5°	659.6	659.4	659.0	658.6	658.3	657.9	657.3	656.3	655.3	654.4	653.4
140°	685.5	685.2	684.7	684.2	683.7	683.2	682.6	681.7	680.9	680.0	679.2
142.5°	711.1	710.9	710.3	709.7	709.1	708.4	707.8	707.1	706.4	705.7	705.0
145°	748.2	748.2	747.7	747.2	746.7	746.2	745.6	744.9	744.3	743.6	743.0
147.5°	781.8	781.4	781.0	780.6	780.2	779.8	779.5	779.1	778.7	778.4	778.0
150°	803.7	803.7	802.9	802.3	801.6	801.0	800.7	800.9	801.0	801.2	801.4
152.5°	823.2	822.8	822.5	822.3	822.0	821.7	821.5	821.3	821.0	820.8	820.6
155°	851.5	850.9	850.7	850.5	850.4	850.2	850.1	850.1	850.1	850.1	850.1
157.5°	876.3	875.7	875.5	875.3	875.1	874.9	875.0	875.5	875.8	876.2	876.6
160°	891.3	890.6	890.4	890.3	890.1	889.9	890.1	890.6	891.1	891.6	892.1
162.5°	905.2	904.4	904.3	904.3	904.3	904.2	904.4	904.8	905.1	905.5	905.9
165°	924.2	923.6	923.4	923.2	923.1	922.9	923.0	923.3	923.7	924.0	924.3
167.5°	938.0	937.0	937.0	937.0	937.0	937.0	937.3	938.0	938.6	939.3	940.0
170°	946.3	945.3	945.3	945.3	945.3	945.3	945.6	946.3	947.0	947.7	948.4
172.5°	952.3	951.3	951.3	951.3	951.3	951.3	951.7	952.3	953.0	953.6	954.3
175°	959.1	958.1	958.1	958.1	958.1	958.1	958.4	959.1	959.8	960.4	961.1
177.5°	962.3	961.5	961.7	961.8	961.9	962.1	962.4	962.9	963.4	964.0	964.5
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333705-840

CATALOG NUMBER: S125RDIW-S1090D770U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1668.6	1673.4	1680.5	1688.7	1695.3	1702.3	1706.2	1706.2	1709.5	1716.6	1725.9
5°	1673.3	1691.0	1708.1	1729.9	1747.0	1766.7	1781.7	1796.0	1809.0	1825.3	1842.4
7.5°	1671.9	1701.4	1732.1	1766.5	1804.3	1834.4	1865.4	1889.7	1913.7	1945.0	1969.6
10°	1666.5	1704.7	1746.3	1789.9	1837.6	1879.2	1916.6	1950.8	1983.5	2017.5	2048.2
12.5°	1656.7	1705.3	1756.1	1808.5	1868.7	1916.2	1964.7	2000.9	2039.1	2076.4	2114.2
15°	1641.9	1699.2	1760.6	1833.5	1907.1	1960.2	2008.0	2055.1	2090.4	2132.7	2168.9
17.5°	1611.5	1685.4	1762.5	1842.2	1913.0	1974.7	2024.8	2069.5	2107.3	2153.7	2202.8
20°	1593.6	1673.3	1753.7	1839.0	1906.4	1969.8	2018.2	2064.6	2111.6	2172.2	2232.2
22.5°	1568.5	1653.7	1739.0	1819.9	1891.2	1952.4	2002.4	2059.1	2120.8	2189.7	2262.2
25°	1528.8	1616.8	1701.3	1778.3	1847.9	1910.6	1978.7	2055.1	2130.0	2220.7	2324.9
27.5°	1478.5	1563.3	1638.7	1720.1	1789.2	1869.0	1954.0	2036.8	2144.9	2269.6	2399.7
30°	1440.9	1521.4	1592.9	1669.9	1748.3	1836.2	1931.7	2029.1	2158.0	2304.5	2459.2
32.5°	1397.2	1470.1	1541.1	1615.4	1705.8	1802.4	1903.8	2023.2	2177.1	2343.8	2504.0
35°	1321.6	1387.0	1455.9	1538.3	1634.5	1739.5	1869.0	2014.2	2200.2	2379.4	2523.2
37.5°	1242.2	1293.9	1363.0	1450.1	1554.7	1676.2	1823.1	1999.5	2190.7	2351.5	2412.8
40°	1181.2	1229.6	1302.5	1393.9	1497.4	1630.4	1795.3	1976.6	2168.9	2280.7	2275.8
42.5°	1120.6	1169.6	1239.8	1331.7	1439.7	1588.4	1758.3	1946.6	2108.9	2151.4	2062.6
45°	1027.8	1073.5	1142.4	1235.1	1350.9	1507.0	1685.6	1866.2	1969.8	1901.0	1725.2
47.5°	933.2	977.5	1041.5	1132.3	1258.8	1422.1	1590.9	1739.2	1753.7	1605.9	1394.9
50°	871.1	912.6	973.3	1070.2	1192.8	1352.3	1515.2	1631.7	1595.6	1415.0	1197.6
52.5°	810.5	850.5	907.4	998.7	1124.1	1280.3	1425.7	1517.2	1433.7	1241.6	1046.0
55°	721.1	759.3	816.6	900.4	1014.2	1157.4	1284.9	1318.2	1195.5	1002.0	843.8
57.5°	636.2	664.2	720.7	794.9	904.6	1030.9	1122.2	1116.2	980.8	806.5	693.1
60°	580.1	605.2	659.1	727.3	831.5	944.7	1008.8	981.5	844.6	700.6	591.6
62.5°	527.7	551.3	596.4	659.1	748.7	847.1	893.7	856.1	726.7	600.4	513.6
65°	448.5	465.5	501.7	559.6	629.8	697.9	739.5	684.3	569.9	474.4	409.0
67.5°	374.5	389.2	421.3	462.9	511.3	558.4	575.3	523.5	434.4	370.1	324.1
70°	326.5	340.1	361.9	400.8	432.8	466.3	474.4	428.1	353.8	304.7	276.1
72.5°	280.6	293.3	312.4	339.7	361.9	381.1	385.0	341.9	285.1	251.3	229.1
75°	214.0	224.9	237.2	247.4	261.8	265.2	263.8	230.4	199.8	177.2	164.9
77.5°	157.3	161.8	169.4	173.4	174.1	173.8	166.8	145.7	129.9	120.7	115.6
80°	121.3	124.7	126.7	128.2	128.9	122.0	114.5	101.6	96.1	90.7	84.5
82.5°	88.1	90.4	92.4	92.7	89.0	83.3	76.3	69.9	66.1	63.4	61.1
85°	47.7	48.4	47.7	44.3	39.5	37.5	36.2	34.7	34.0	33.4	33.4
87.5°	17.4	16.0	13.5	14.3	14.5	14.2	14.4	14.1	13.8	14.0	14.1
90°	2.1	3.4	4.7	6.1	7.4	8.5	9.7	10.8	12.0	12.8	13.6
92.5°	19.1	20.0	20.9	21.9	23.0	24.5	26.0	27.4	28.8	29.9	31.0
95°	49.1	49.4	49.7	50.1	51.1	52.7	54.4	56.0	57.8	58.9	60.1
97.5°	81.1	81.2	81.4	81.5	82.7	85.0	87.4	89.6	91.9	93.0	94.1
100°	104.9	104.9	104.9	104.9	106.0	108.2	110.4	112.5	114.7	116.2	117.6
102.5°	131.4	132.1	132.7	133.4	134.3	135.4	136.5	137.5	138.7	140.4	142.0
105°	171.8	172.6	173.4	174.3	175.2	176.2	177.1	178.1	179.2	180.2	181.2
107.5°	216.1	217.0	217.8	218.6	219.4	220.3	221.0	221.8	222.5	223.0	223.5
110°	246.7	247.5	248.4	249.2	249.8	250.3	250.9	251.4	251.9	252.4	252.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	277.5	277.9	278.4	278.8	279.3	279.9	280.6	281.2	281.9	282.2	282.4
115°	323.8	324.5	325.1	325.8	326.3	326.6	326.9	327.3	327.6	327.4	327.3
117.5°	369.6	369.9	370.2	370.5	370.8	371.1	371.4	371.7	372.0	372.1	372.2
120°	398.9	399.7	400.6	401.4	401.9	402.0	402.2	402.4	402.5	402.5	402.5
122.5°	429.6	429.9	430.2	430.5	430.8	431.2	431.7	432.1	432.5	432.4	432.3
125°	472.5	473.5	474.5	475.5	476.2	476.3	476.5	476.7	476.8	476.5	476.2
127.5°	517.1	517.7	518.3	518.8	519.2	519.4	519.6	519.8	520.0	519.8	519.7
130°	544.3	545.2	546.0	546.8	547.4	547.8	548.1	548.5	548.8	548.6	548.5
132.5°	571.9	573.2	574.6	575.9	576.6	576.5	576.4	576.4	576.3	576.2	576.0
135°	614.2	615.2	616.2	617.2	617.8	617.9	618.1	618.3	618.4	618.4	618.4
137.5°	654.4	655.3	656.3	657.3	657.9	658.3	658.6	659.0	659.4	659.6	659.8
140°	680.0	680.9	681.7	682.6	683.2	683.7	684.2	684.7	685.2	685.5	685.9
142.5°	705.7	706.4	707.1	707.8	708.4	709.1	709.7	710.3	710.9	711.1	711.3
145°	743.6	744.3	744.9	745.6	746.2	746.7	747.2	747.7	748.2	748.2	748.2
147.5°	778.4	778.7	779.1	779.5	779.8	780.2	780.6	781.0	781.4	781.8	782.2
150°	801.2	801.0	800.9	800.7	801.0	801.6	802.3	802.9	803.7	803.7	803.7
152.5°	820.8	821.0	821.3	821.5	821.7	822.0	822.3	822.5	822.8	823.2	823.6
155°	850.1	850.1	850.1	850.1	850.2	850.4	850.5	850.7	850.9	851.5	852.2
157.5°	876.2	875.8	875.5	875.0	874.9	875.1	875.3	875.5	875.7	876.3	877.0
160°	891.6	891.1	890.6	890.1	889.9	890.1	890.3	890.4	890.6	891.3	891.9
162.5°	905.5	905.1	904.8	904.4	904.2	904.3	904.3	904.3	904.4	905.2	906.1
165°	924.0	923.7	923.3	923.0	922.9	923.1	923.2	923.4	923.6	924.2	924.9
167.5°	939.3	938.6	938.0	937.3	937.0	937.0	937.0	937.0	937.0	938.0	939.0
170°	947.7	947.0	946.3	945.6	945.3	945.3	945.3	945.3	945.3	946.3	947.4
172.5°	953.6	953.0	952.3	951.7	951.3	951.3	951.3	951.3	951.3	952.3	953.3
175°	960.4	959.8	959.1	958.4	958.1	958.1	958.1	958.1	958.1	959.1	960.1
177.5°	964.0	963.4	962.9	962.4	962.1	961.9	961.8	961.7	961.5	962.3	963.1
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1732.9	1732.9	1742.2	1741.6	1747.7	1745.5	1746.6
5°	1862.8	1874.4	1884.6	1891.5	1901.7	1904.4	1903.0
7.5°	1997.5	2023.3	2035.8	2053.0	2056.1	2065.1	2064.2
10°	2080.9	2106.2	2125.3	2140.2	2147.7	2157.3	2158.0
12.5°	2146.4	2167.8	2184.6	2198.6	2207.7	2210.7	2212.5
15°	2197.5	2221.3	2241.1	2260.9	2272.5	2281.3	2286.1
17.5°	2249.0	2285.8	2320.7	2347.5	2363.7	2377.3	2377.1
20°	2288.9	2331.1	2374.7	2405.4	2436.7	2450.3	2452.4
22.5°	2331.4	2396.0	2452.2	2499.7	2540.8	2555.1	2560.4
25°	2419.6	2504.2	2590.8	2657.6	2705.2	2733.2	2737.3
27.5°	2526.4	2640.8	2731.9	2793.5	2833.2	2853.9	2858.3
30°	2601.7	2707.3	2789.1	2835.5	2853.9	2856.6	2846.4
32.5°	2635.4	2714.4	2747.1	2744.4	2708.3	2684.3	2675.1
35°	2594.1	2577.8	2498.1	2402.7	2329.8	2283.4	2271.1
37.5°	2360.8	2219.7	2073.1	1928.8	1852.1	1813.0	1746.0
40°	2130.7	1929.7	1777.0	1655.6	1569.0	1499.5	1483.2
42.5°	1871.2	1663.6	1510.9	1406.9	1337.9	1290.1	1269.4
45°	1503.6	1325.0	1198.9	1119.2	1066.0	1031.3	1015.6
47.5°	1202.6	1064.4	972.5	913.5	873.0	842.7	834.2
50°	1037.4	927.0	849.3	799.5	768.8	745.7	736.1
52.5°	901.1	811.9	752.2	711.1	682.2	667.7	659.7
55°	743.7	666.6	623.7	591.0	574.6	563.0	557.5
57.5°	608.1	552.5	521.2	498.6	483.4	476.1	473.3
60°	532.3	488.7	460.1	442.3	432.1	422.6	419.9
62.5°	465.2	430.9	408.8	393.2	383.0	379.0	377.3
65°	374.9	352.3	336.0	326.5	318.3	316.9	316.3
67.5°	298.0	284.8	276.2	266.2	263.4	258.6	257.6
70°	254.9	246.1	235.8	232.5	229.0	224.3	224.9
72.5°	216.2	207.3	200.4	195.9	194.7	192.6	194.4
75°	158.1	155.4	152.7	149.3	147.9	147.9	147.2
77.5°	112.9	110.6	107.6	105.5	105.1	102.2	103.3
80°	81.8	78.4	77.1	77.7	75.6	74.9	74.9
82.5°	60.5	59.3	58.0	58.1	57.7	57.0	57.6
85°	33.4	32.7	32.7	32.0	32.0	31.3	31.3
87.5°	14.8	15.7	14.6	14.2	14.3	14.9	15.6
90°	14.5	15.3	16.0	16.5	17.0	17.5	18.0
92.5°	32.1	33.2	33.9	34.3	34.6	35.0	35.3
95°	61.2	62.4	63.1	63.5	63.8	64.1	64.4
97.5°	95.2	96.3	96.9	97.1	97.4	97.6	97.8
100°	119.2	120.7	121.6	122.0	122.3	122.6	122.9
102.5°	143.6	145.2	146.2	146.7	147.2	147.6	148.1
105°	182.2	183.2	183.9	184.4	184.9	185.4	185.9
107.5°	224.0	224.5	224.7	224.7	224.7	224.6	224.6
110°	253.4	253.9	254.1	253.9	253.7	253.6	253.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	282.6	282.8	282.8	282.5	282.2	281.9	281.6
115°	327.1	326.9	326.8	326.6	326.5	326.3	326.1
117.5°	372.3	372.5	372.2	371.6	370.9	370.2	369.6
120°	402.5	402.5	402.2	401.6	400.9	400.2	399.6
122.5°	432.1	432.0	431.7	431.1	430.6	430.1	429.6
125°	475.7	475.4	475.2	475.0	474.8	474.7	474.5
127.5°	519.5	519.3	519.1	518.8	518.4	518.1	517.8
130°	548.3	548.1	547.9	547.5	547.1	546.8	546.5
132.5°	575.8	575.7	575.3	574.9	574.4	574.0	573.5
135°	618.4	618.4	618.1	617.4	616.8	616.1	615.5
137.5°	660.0	660.2	659.8	659.0	658.2	657.4	656.5
140°	686.2	686.5	686.3	685.5	684.6	683.8	683.0
142.5°	711.6	711.8	711.4	710.6	709.8	708.9	708.1
145°	748.2	748.2	747.9	747.4	746.9	746.4	745.9
147.5°	782.6	783.0	782.6	781.5	780.4	779.3	778.2
150°	803.7	803.7	803.4	803.1	802.8	802.4	802.1
152.5°	824.0	824.5	824.4	823.7	823.1	822.5	821.9
155°	852.8	853.5	853.4	852.6	851.8	850.9	850.1
157.5°	877.6	878.3	878.1	877.0	875.9	874.7	873.6
160°	892.6	893.2	893.2	892.3	891.5	890.7	889.9
162.5°	906.8	907.6	907.6	906.6	905.5	904.6	903.6
165°	925.6	926.2	926.0	925.1	924.1	923.1	922.1
167.5°	940.0	940.9	940.9	939.9	938.9	937.9	936.8
170°	948.4	949.4	949.3	948.1	947.0	945.7	944.6
172.5°	954.3	955.3	955.3	954.3	953.2	952.2	951.2
175°	961.1	962.1	962.0	960.8	959.7	958.5	957.4
177.5°	963.9	964.7	964.6	963.7	962.8	961.9	960.9
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3

(END OF REPORT)