

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: P333623-940

Luminaire Tested: **S125RDIP-S1270D810U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333623-940  
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: S125RDIP-S1270D810U940-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6889.2 lumens  
Efficiency: N/A  
Efficacy: 113.5 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

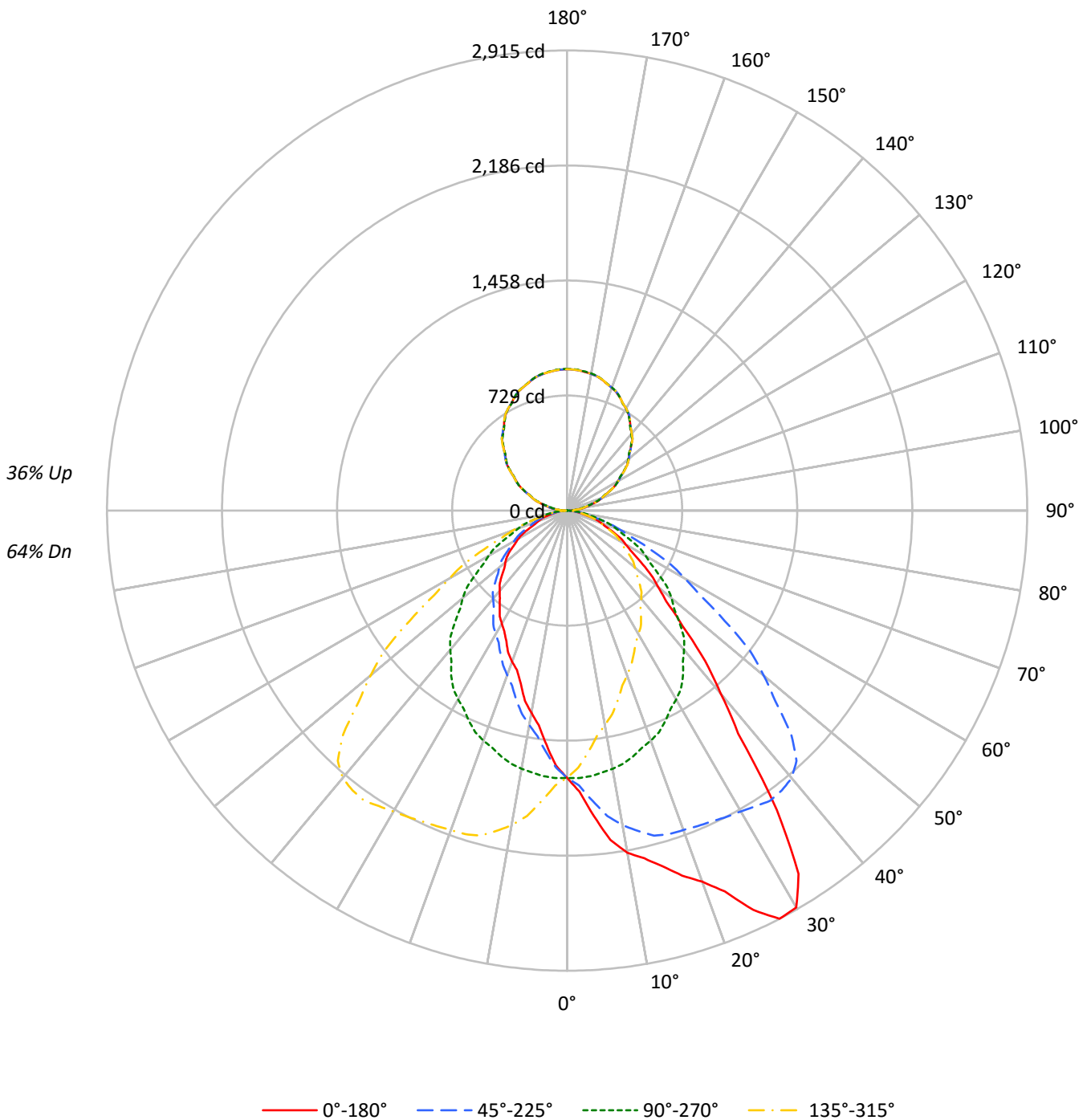
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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	104	104	104	104	91	91	91	79	79	79	69	69	69	64
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	60	59	55
2	93	86	79	74	87	81	75	71	71	67	64	63	60	57	55	53	51	47
3	85	76	68	63	80	71	65	60	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	64	56	51	57	51	47	50	46	42	44	41	38	35
5	72	60	52	46	67	57	50	44	51	45	40	45	40	37	40	36	33	30
6	66	54	46	40	62	51	44	39	46	40	36	41	36	32	36	32	29	27
7	61	49	41	35	58	47	39	34	42	36	31	37	32	29	33	29	26	24
8	57	45	37	32	54	42	35	30	38	32	28	34	29	26	30	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	38	30	25	47	36	29	25	32	27	23	29	24	21	26	22	19	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10936	10936	10936	10936
5°	12582	10950	9671	10950
10°	14432	10895	8533	10895
15°	15588	10783	7585	10783
20°	17189	10654	7003	10654
25°	19892	10481	6499	10481
30°	21647	10300	6169	10300
35°	18260	10089	5864	10089
40°	12752	9711	5602	9711
45°	9460	9199	5345	9199
50°	7543	8667	5126	8667
55°	6402	8007	4931	8007
60°	5531	7417	4615	7417
65°	4928	6776	3972	6776
70°	4330	6209	3622	6209
75°	3748	5375	3401	5375
80°	2841	4523	2841	4523
85°	2371	3557	2675	3557



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	2.4
10°-20°	475.9	6.9
20°-30°	754.5	11.0
30°-40°	909.8	13.2
40°-50°	812.5	11.8
50°-60°	623.1	9.0
60°-70°	404.9	5.9
70°-80°	196.9	2.9
80°-90°	48.9	0.7
90°-100°	60.0	0.9
100°-110°	177.2	2.6
110°-120°	300.2	4.4
120°-130°	395.0	5.7
130°-140°	442.6	6.4
140°-150°	433.8	6.3
150°-160°	364.4	5.3
160°-170°	242.2	3.5
170°-180°	84.8	1.2
0°-30°	1392.7	20.2
0°-40°	2302.6	33.4
0°-60°	3738.2	54.3
0°-90°	4388.9	63.7
90°-120°	537.4	7.8
90°-150°	1808.9	26.3
90°-180°	2500.0	36.3
0°-180°	6889.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1693	1693	1693	1693	1693	
5°	1941	1689	1492	1689	1941	194
15°	2331	1613	1134	1613	2331	668
25°	2792	1471	912	1471	2792	1282
35°	2316	1280	744	1280	2316	1399
45°	1036	1007	585	1007	1036	826
55°	569	711	438	711	569	516
65°	322	443	260	443	322	321
75°	150	215	136	215	150	160
85°	32	48	36	48	32	37
90°	17	1	17	1	17	11
95°	60	45	60	45	60	61
105°	173	159	173	159	173	183
115°	303	300	303	300	303	300
125°	441	438	441	438	441	394
135°	572	570	572	570	572	442
145°	694	691	694	691	694	433
155°	791	791	791	791	791	364
165°	858	860	858	860	858	242
175°	890	894	890	894	890	85
180°	896	896	896	896	896	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1781.1	1780.0	1782.3	1776.1	1776.6	1767.2	1767.2	1760.0	1750.5	1743.3	1740.0
5°	1940.7	1942.1	1939.3	1928.9	1922.0	1911.6	1899.7	1878.8	1861.4	1844.8	1831.6
7.5°	2105.1	2106.0	2096.9	2093.6	2076.1	2063.3	2037.0	2008.7	1983.5	1951.6	1927.1
10°	2200.7	2200.0	2190.2	2182.6	2167.3	2147.9	2122.2	2088.7	2057.5	2022.8	1989.4
12.5°	2256.3	2254.5	2251.4	2242.1	2227.9	2210.7	2188.9	2156.1	2117.5	2079.5	2040.5
15°	2331.4	2326.5	2317.5	2305.6	2285.5	2265.3	2241.0	2211.8	2175.0	2131.9	2095.7
17.5°	2424.2	2424.4	2410.5	2394.1	2366.7	2331.1	2293.6	2246.4	2196.4	2148.9	2110.5
20°	2501.0	2498.8	2485.0	2453.0	2421.7	2377.2	2334.1	2276.4	2215.3	2153.4	2105.4
22.5°	2611.1	2605.7	2591.2	2549.2	2500.7	2443.4	2377.5	2307.0	2233.1	2162.8	2099.9
25°	2791.5	2787.3	2758.9	2710.2	2642.0	2553.8	2467.6	2371.0	2264.7	2172.2	2095.7
27.5°	2915.0	2910.4	2889.2	2848.8	2786.0	2693.1	2576.4	2447.3	2314.5	2187.4	2077.1
30°	2902.7	2913.1	2910.4	2891.6	2844.4	2760.9	2653.2	2507.9	2350.1	2200.7	2069.3
32.5°	2728.1	2737.5	2761.9	2798.7	2801.5	2768.1	2687.7	2553.5	2390.1	2220.2	2063.2
35°	2316.0	2328.6	2375.9	2450.2	2547.5	2628.9	2645.5	2573.3	2426.6	2243.8	2054.1
37.5°	1780.6	1849.0	1888.7	1967.0	2114.1	2263.7	2407.5	2460.5	2398.1	2234.1	2039.2
40°	1512.5	1529.2	1600.1	1688.4	1812.1	1967.8	2172.9	2320.9	2325.8	2211.8	2015.8
42.5°	1294.6	1315.7	1364.3	1434.9	1540.8	1696.5	1908.2	2103.5	2194.1	2150.6	1985.2
45°	1035.7	1051.7	1087.2	1141.4	1222.7	1351.3	1533.4	1759.3	1938.7	2008.8	1903.2
47.5°	850.8	859.4	890.3	931.6	991.8	1085.5	1226.5	1422.5	1637.6	1788.5	1773.6
50°	750.7	760.5	784.1	815.4	866.1	945.3	1057.9	1221.3	1443.1	1627.2	1664.1
52.5°	672.9	680.9	695.6	725.2	767.1	828.0	918.9	1066.7	1266.2	1462.0	1547.3
55°	568.6	574.2	585.9	602.6	636.1	679.8	758.3	860.5	1021.8	1219.2	1344.3
57.5°	482.7	485.4	492.9	508.4	531.5	563.5	620.2	706.8	822.4	1000.2	1138.3
60°	428.2	431.0	440.7	451.1	469.2	498.4	542.9	603.3	714.5	861.2	1000.9
62.5°	384.8	386.5	390.7	401.1	417.0	439.4	474.5	523.8	612.2	741.1	873.1
65°	322.5	323.2	324.6	333.0	342.7	359.4	382.3	417.1	483.8	581.1	697.9
67.5°	262.8	263.7	268.6	271.5	281.7	290.4	303.9	330.5	377.5	443.1	533.9
70°	229.3	228.7	233.5	237.0	240.5	250.9	259.9	281.5	310.7	360.8	436.5
72.5°	198.2	196.4	198.5	199.7	204.4	211.4	220.5	233.7	256.2	290.7	348.7
75°	150.2	150.9	150.9	152.2	155.7	158.5	161.2	168.2	180.7	203.7	235.0
77.5°	105.4	104.2	107.2	107.6	109.7	112.7	115.1	117.9	123.1	132.5	148.6
80°	76.4	76.4	77.1	79.3	78.6	79.9	83.4	86.2	92.5	98.0	103.5
82.5°	58.7	58.1	58.8	59.2	59.1	60.5	61.7	62.2	64.6	67.4	71.3
85°	32.0	32.0	32.6	32.6	33.3	33.3	34.1	34.1	34.1	34.8	35.5
87.5°	15.6	14.9	14.3	14.2	14.6	15.6	14.9	14.2	14.1	13.9	14.3
90°	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.7	11.9	11.1	10.1
92.5°	32.9	32.5	32.2	31.9	31.6	30.9	29.9	28.8	27.8	26.8	25.4
95°	59.9	59.7	59.4	59.0	58.8	58.1	57.0	55.8	54.8	53.7	52.2
97.5°	91.0	90.8	90.5	90.3	90.2	89.6	88.5	87.6	86.5	85.5	83.4
100°	114.3	114.0	113.7	113.4	113.2	112.3	110.8	109.5	108.1	106.6	104.7
102.5°	137.8	137.3	136.9	136.5	136.1	135.1	133.6	132.1	130.5	129.0	128.0
105°	172.9	172.5	172.0	171.6	171.0	170.4	169.4	168.5	167.6	166.7	165.7
107.5°	208.9	208.9	208.9	209.0	209.0	208.8	208.3	207.9	207.4	207.0	206.3
110°	235.7	235.9	235.9	236.1	236.3	236.1	235.7	235.2	234.8	234.3	233.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	261.9	262.2	262.4	262.7	263.1	263.1	262.8	262.6	262.4	262.2	261.6
115°	303.4	303.4	303.6	303.8	303.9	304.1	304.3	304.4	304.5	304.7	304.4
117.5°	343.8	344.4	345.0	345.6	346.3	346.5	346.3	346.3	346.1	346.0	345.7
120°	371.7	372.3	372.9	373.5	374.2	374.4	374.4	374.4	374.4	374.4	374.3
122.5°	399.6	400.0	400.6	401.0	401.5	401.8	402.0	402.1	402.2	402.3	401.9
125°	441.4	441.6	441.7	441.8	442.0	442.2	442.6	442.8	443.2	443.4	443.3
127.5°	481.5	481.9	482.1	482.5	482.8	483.0	483.1	483.3	483.5	483.7	483.5
130°	508.3	508.6	508.9	509.3	509.5	509.8	510.0	510.1	510.2	510.4	510.1
132.5°	533.4	533.9	534.3	534.8	535.1	535.5	535.6	535.7	535.9	536.1	536.1
135°	572.5	573.1	573.7	574.4	575.0	575.2	575.2	575.2	575.2	575.2	575.1
137.5°	610.6	611.4	612.2	613.0	613.8	614.0	613.9	613.7	613.5	613.3	613.0
140°	635.3	636.0	636.8	637.6	638.3	638.6	638.2	637.9	637.7	637.3	636.9
142.5°	658.6	659.4	660.2	660.9	661.7	662.0	661.8	661.6	661.5	661.3	660.7
145°	693.8	694.3	694.7	695.2	695.6	695.9	695.9	695.9	695.9	695.9	695.4
147.5°	723.8	724.9	725.9	726.9	728.0	728.3	728.0	727.5	727.2	726.8	726.5
150°	746.1	746.4	746.7	747.0	747.3	747.5	747.5	747.5	747.5	747.5	746.9
152.5°	764.5	765.1	765.6	766.2	766.7	766.8	766.4	766.1	765.7	765.4	765.1
155°	790.7	791.5	792.3	793.0	793.8	793.9	793.3	792.6	792.0	791.4	791.2
157.5°	812.6	813.6	814.7	815.6	816.7	816.9	816.3	815.6	815.0	814.4	814.2
160°	827.7	828.4	829.2	830.0	830.8	830.8	830.2	829.6	829.0	828.4	828.2
162.5°	840.5	841.4	842.3	843.2	844.1	844.2	843.5	842.7	842.0	841.2	841.2
165°	857.6	858.5	859.5	860.4	861.4	861.5	860.9	860.3	859.7	859.1	858.9
167.5°	871.3	872.3	873.3	874.2	875.1	875.2	874.2	873.3	872.4	871.5	871.5
170°	878.6	879.7	880.7	881.8	882.9	883.0	882.1	881.1	880.2	879.2	879.2
172.5°	884.7	885.6	886.6	887.6	888.6	888.6	887.6	886.7	885.7	884.8	884.8
175°	890.5	891.5	892.6	893.7	894.7	894.8	893.9	893.0	892.1	891.1	891.1
177.5°	893.8	894.7	895.5	896.3	897.2	897.3	896.5	895.8	895.1	894.3	894.5
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1740.0	1736.1	1728.8	1722.2	1713.9	1706.6	1701.6	1695.5	1687.7	1678.3	1670.4
5°	1816.9	1801.7	1781.5	1764.2	1742.0	1724.6	1706.5	1689.1	1671.7	1649.5	1630.0
7.5°	1902.4	1870.8	1840.0	1801.4	1766.4	1735.1	1705.0	1674.6	1644.8	1613.3	1582.9
10°	1954.6	1916.4	1874.0	1825.3	1780.8	1738.5	1699.5	1661.3	1621.0	1585.6	1547.3
12.5°	2003.6	1954.2	1905.7	1844.2	1790.8	1739.0	1689.5	1641.8	1598.7	1552.7	1511.7
15°	2047.7	1999.1	1944.9	1869.8	1795.5	1732.9	1674.5	1612.7	1559.1	1507.7	1461.8
17.5°	2064.8	2013.8	1950.9	1878.7	1797.4	1718.7	1643.5	1575.7	1512.7	1452.8	1401.1
20°	2058.2	2008.8	1944.2	1875.4	1788.5	1706.5	1625.1	1550.1	1479.9	1416.6	1361.7
22.5°	2042.1	1991.0	1928.6	1855.9	1773.4	1686.5	1599.6	1519.5	1445.9	1380.5	1320.5
25°	2017.9	1948.4	1884.5	1813.5	1735.0	1648.8	1559.1	1470.8	1392.3	1325.5	1260.3
27.5°	1992.7	1905.9	1824.6	1754.2	1671.2	1594.3	1507.8	1417.3	1334.7	1266.8	1199.7
30°	1969.9	1872.6	1782.9	1703.0	1624.4	1551.5	1469.5	1381.2	1296.4	1226.2	1158.1
32.5°	1941.5	1838.1	1739.5	1647.3	1571.6	1499.2	1425.0	1340.6	1258.0	1185.5	1116.3
35°	1905.9	1773.9	1666.9	1568.9	1484.7	1414.5	1347.8	1279.7	1196.9	1121.9	1054.4
37.5°	1859.2	1709.4	1585.6	1478.7	1390.1	1319.6	1266.9	1204.6	1129.1	1057.2	994.7
40°	1830.9	1662.7	1527.1	1421.5	1328.3	1253.9	1204.6	1151.8	1083.0	1015.6	953.0
42.5°	1793.1	1619.9	1468.2	1358.1	1264.4	1192.8	1142.9	1096.7	1039.0	975.5	908.5
45°	1719.0	1536.9	1377.7	1259.5	1165.0	1094.8	1048.2	1007.2	963.4	905.0	846.6
47.5°	1622.5	1450.3	1283.7	1154.7	1062.1	996.9	951.7	919.4	888.1	838.4	781.7
50°	1545.2	1379.1	1216.4	1091.3	992.6	930.8	888.3	862.6	834.1	788.9	741.6
52.5°	1454.0	1305.6	1146.4	1018.4	925.3	867.4	826.6	800.9	777.4	740.6	695.5
55°	1310.3	1180.3	1034.3	918.2	832.8	774.4	735.4	711.1	697.2	665.9	630.4
57.5°	1144.4	1051.2	922.6	810.7	735.0	677.3	648.8	628.1	612.4	590.3	565.3
60°	1028.8	963.4	848.0	741.6	672.2	617.2	591.6	574.2	559.5	540.8	521.3
62.5°	911.4	863.9	763.5	672.2	608.2	562.2	538.1	522.5	505.6	492.9	474.0
65°	754.2	711.8	642.3	570.7	511.6	474.7	457.4	443.4	433.0	419.1	405.9
67.5°	586.7	569.4	521.5	472.1	429.7	396.9	381.9	372.2	359.6	351.3	342.2
70°	483.8	475.5	441.4	408.8	369.1	346.9	333.0	328.8	313.5	305.1	298.9
72.5°	392.6	388.7	369.1	346.4	318.5	299.0	286.2	281.5	271.8	265.1	261.1
75°	269.0	270.4	266.9	252.4	241.9	229.3	218.3	215.4	208.6	203.0	199.5
77.5°	170.1	177.3	177.5	176.8	172.6	165.1	160.4	158.4	151.5	149.5	148.6
80°	116.8	124.4	131.3	130.6	129.3	127.2	123.8	121.6	118.2	116.1	114.7
82.5°	77.8	85.0	90.8	94.5	94.3	92.2	89.8	88.8	88.1	86.6	86.3
85°	36.8	38.3	40.3	45.2	48.7	49.3	48.7	48.0	45.8	46.5	47.3
87.5°	14.6	14.4	14.7	14.4	13.6	16.2	17.7	17.9	17.0	16.2	15.3
90°	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7	2.0	3.2	4.5
92.5°	24.1	22.7	21.4	20.3	19.4	18.6	17.7	16.9	17.7	18.6	19.4
95°	50.6	49.0	47.5	46.5	46.3	45.9	45.7	45.3	45.7	45.9	46.3
97.5°	81.2	79.1	77.0	75.8	75.7	75.5	75.4	75.3	75.4	75.5	75.7
100°	102.6	100.7	98.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
102.5°	127.0	125.9	124.9	124.1	123.5	122.9	122.3	121.6	122.3	122.9	123.5
105°	164.8	163.9	162.9	162.1	161.3	160.5	159.8	159.0	159.8	160.5	161.3
107.5°	205.5	204.8	204.1	203.4	202.6	201.8	201.0	200.3	201.0	201.8	202.6
110°	233.4	232.9	232.5	231.8	231.0	230.2	229.5	228.7	229.5	230.2	231.0





TEST NUMBER: P333623-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.0	260.4	259.8	259.3	259.0	258.5	258.2	257.7	258.2	258.5	259.0
115°	304.1	303.8	303.4	303.0	302.4	301.8	301.1	300.5	301.1	301.8	302.4
117.5°	345.4	345.2	344.9	344.6	344.3	344.0	343.8	343.5	343.8	344.0	344.3
120°	374.2	374.0	373.8	373.4	372.6	371.8	371.0	370.2	371.0	371.8	372.6
122.5°	401.5	401.1	400.7	400.4	400.1	399.8	399.6	399.2	399.6	399.8	400.1
125°	443.2	443.0	442.8	442.3	441.4	440.4	439.5	438.5	439.5	440.4	441.4
127.5°	483.2	483.0	482.9	482.5	482.0	481.4	481.0	480.5	481.0	481.4	482.0
130°	509.8	509.4	509.2	508.6	507.8	507.1	506.3	505.5	506.3	507.1	507.8
132.5°	536.2	536.3	536.3	535.7	534.4	533.2	531.9	530.7	531.9	533.2	534.4
135°	575.0	574.8	574.6	574.1	573.2	572.2	571.3	570.3	571.3	572.2	573.2
137.5°	612.6	612.3	612.0	611.4	610.5	609.6	608.7	607.8	608.7	609.6	610.5
140°	636.4	635.9	635.4	634.8	634.1	633.3	632.5	631.8	632.5	633.3	634.1
142.5°	660.1	659.5	659.0	658.4	657.6	657.0	656.4	655.8	656.4	657.0	657.6
145°	694.9	694.5	694.0	693.5	692.9	692.2	691.6	691.0	691.6	692.2	692.9
147.5°	726.1	725.8	725.3	725.0	724.7	724.3	724.0	723.6	724.0	724.3	724.7
150°	746.3	745.6	745.0	744.8	744.9	745.1	745.2	745.4	745.2	745.1	744.9
152.5°	764.8	764.6	764.4	764.1	763.9	763.7	763.5	763.2	763.5	763.7	763.9
155°	791.1	790.9	790.8	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7
157.5°	814.1	814.0	813.8	813.9	814.2	814.6	814.9	815.3	814.9	814.6	814.2
160°	828.0	827.9	827.8	827.9	828.4	828.8	829.3	829.7	829.3	828.8	828.4
162.5°	841.2	841.1	841.1	841.2	841.6	841.9	842.2	842.6	842.2	841.9	841.6
165°	858.7	858.5	858.4	858.5	858.8	859.2	859.4	859.8	859.4	859.2	858.8
167.5°	871.5	871.5	871.5	871.7	872.4	873.0	873.6	874.2	873.6	873.0	872.4
170°	879.2	879.2	879.2	879.6	880.2	880.8	881.5	882.1	881.5	880.8	880.2
172.5°	884.8	884.8	884.8	885.1	885.7	886.4	887.0	887.6	887.0	886.4	885.7
175°	891.1	891.1	891.1	891.4	892.1	892.7	893.3	893.9	893.3	892.7	892.1
177.5°	894.6	894.7	894.8	895.1	895.6	896.2	896.6	897.2	896.6	896.2	895.6
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333623-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1664.9	1657.2	1651.5	1640.4	1632.6	1629.3	1623.2	1621.5	1627.6	1623.2	1622.6
5°	1615.4	1595.3	1579.3	1563.3	1545.9	1534.8	1518.1	1515.3	1511.2	1504.9	1503.5
7.5°	1556.0	1529.8	1509.2	1482.8	1459.8	1441.4	1420.5	1410.6	1405.2	1397.1	1386.3
10°	1516.0	1484.7	1457.0	1430.5	1402.0	1379.1	1358.3	1342.2	1331.8	1322.1	1317.9
12.5°	1476.5	1444.7	1409.1	1377.2	1345.3	1319.6	1296.5	1286.1	1274.5	1263.1	1253.4
15°	1415.2	1372.8	1333.9	1297.1	1270.0	1242.2	1219.9	1204.6	1187.2	1182.4	1163.6
17.5°	1350.1	1308.6	1263.0	1224.2	1192.8	1162.2	1137.7	1120.3	1107.3	1089.4	1080.8
20°	1309.6	1260.3	1215.8	1180.3	1145.5	1109.4	1084.3	1069.8	1057.2	1042.7	1035.7
22.5°	1266.2	1218.0	1172.3	1130.8	1095.5	1059.9	1042.1	1027.0	1012.7	999.3	990.1
25°	1202.6	1153.9	1105.9	1062.8	1026.0	1000.2	979.4	962.0	954.4	941.2	931.4
27.5°	1139.5	1087.8	1038.0	995.1	966.2	940.8	923.6	909.9	896.1	884.6	876.1
30°	1098.9	1046.2	991.9	957.9	927.3	902.9	884.1	870.9	860.5	850.1	843.8
32.5°	1058.4	1003.9	955.7	918.9	890.0	869.0	849.7	837.0	826.1	814.5	807.2
35°	993.3	937.7	898.8	862.6	834.1	814.7	801.5	783.4	774.4	766.0	758.3
37.5°	932.8	881.1	839.0	807.3	782.6	763.2	746.1	736.4	725.2	717.7	711.4
40°	888.3	841.1	802.8	769.5	751.4	729.9	713.9	701.3	693.0	683.3	676.4
42.5°	848.3	804.4	767.2	737.3	714.7	696.5	681.1	668.5	658.0	651.0	645.2
45°	791.8	748.0	711.8	683.9	663.2	645.8	629.7	623.5	609.6	601.3	598.5
47.5°	733.2	694.0	659.1	633.5	612.1	595.7	580.7	567.9	560.3	552.1	547.6
50°	693.8	656.2	623.5	598.5	577.7	559.5	545.6	537.3	526.9	519.2	513.7
52.5°	654.2	619.5	586.8	562.8	544.8	526.7	511.2	502.8	492.9	488.1	484.2
55°	597.8	561.0	533.2	509.5	490.7	474.0	459.5	451.1	444.9	440.0	438.6
57.5°	533.9	504.6	478.8	457.5	438.0	422.3	409.6	401.6	396.1	395.4	391.2
60°	492.1	465.7	442.1	419.1	402.4	387.9	376.7	367.7	362.1	361.4	360.1
62.5°	450.4	425.1	403.1	383.0	368.0	353.9	343.4	333.2	329.9	326.5	323.3
65°	388.5	365.6	347.6	331.5	315.6	303.7	293.4	287.0	279.5	275.3	267.6
67.5°	327.8	310.0	292.7	279.2	266.6	255.4	246.7	237.5	232.3	229.0	223.4
70°	287.8	273.8	256.5	241.9	232.2	223.1	216.2	205.7	202.2	199.5	196.7
72.5°	249.9	237.7	223.1	211.3	201.6	193.1	185.0	180.1	176.7	173.9	172.3
75°	196.7	184.9	172.4	164.1	157.1	150.2	146.0	142.5	141.1	140.4	137.6
77.5°	144.5	138.2	128.1	121.5	116.9	114.1	110.4	108.6	108.4	105.4	104.4
80°	110.5	107.0	98.7	95.9	92.5	89.7	87.6	84.1	80.6	79.3	77.1
82.5°	82.1	78.6	75.3	70.9	67.9	66.3	64.2	63.0	63.4	61.4	60.5
85°	43.8	40.3	39.0	38.3	36.8	38.3	37.5	36.8	36.1	35.5	36.1
87.5°	15.1	15.2	14.9	16.2	14.8	15.6	15.7	15.3	15.5	15.6	15.2
90°	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.7	13.5	14.3	14.9
92.5°	20.3	21.4	22.7	24.1	25.4	26.8	27.8	28.8	29.9	30.9	31.6
95°	46.5	47.5	49.0	50.6	52.2	53.7	54.8	55.8	57.0	58.1	58.8
97.5°	75.8	77.0	79.1	81.2	83.4	85.5	86.5	87.6	88.5	89.6	90.2
100°	97.6	98.6	100.7	102.6	104.7	106.6	108.1	109.5	110.8	112.3	113.2
102.5°	124.1	124.9	125.9	127.0	128.0	129.0	130.5	132.1	133.6	135.1	136.1
105°	162.1	162.9	163.9	164.8	165.7	166.7	167.6	168.5	169.4	170.4	171.0
107.5°	203.4	204.1	204.8	205.5	206.3	207.0	207.4	207.9	208.3	208.8	209.0
110°	231.8	232.5	232.9	233.4	233.8	234.3	234.8	235.2	235.7	236.1	236.3



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	259.3	259.8	260.4	261.0	261.6	262.2	262.4	262.6	262.8	263.1	263.1
115°	303.0	303.4	303.8	304.1	304.4	304.7	304.5	304.4	304.3	304.1	303.9
117.5°	344.6	344.9	345.2	345.4	345.7	346.0	346.1	346.3	346.3	346.5	346.3
120°	373.4	373.8	374.0	374.2	374.3	374.4	374.4	374.4	374.4	374.4	374.2
122.5°	400.4	400.7	401.1	401.5	401.9	402.3	402.2	402.1	402.0	401.8	401.5
125°	442.3	442.8	443.0	443.2	443.3	443.4	443.2	442.8	442.6	442.2	442.0
127.5°	482.5	482.9	483.0	483.2	483.5	483.7	483.5	483.3	483.1	483.0	482.8
130°	508.6	509.2	509.4	509.8	510.1	510.4	510.2	510.1	510.0	509.8	509.5
132.5°	535.7	536.3	536.3	536.2	536.1	536.1	535.9	535.7	535.6	535.5	535.1
135°	574.1	574.6	574.8	575.0	575.1	575.2	575.2	575.2	575.2	575.2	575.0
137.5°	611.4	612.0	612.3	612.6	613.0	613.3	613.5	613.7	613.9	614.0	613.8
140°	634.8	635.4	635.9	636.4	636.9	637.3	637.7	637.9	638.2	638.6	638.3
142.5°	658.4	659.0	659.5	660.1	660.7	661.3	661.5	661.6	661.8	662.0	661.7
145°	693.5	694.0	694.5	694.9	695.4	695.9	695.9	695.9	695.9	695.9	695.6
147.5°	725.0	725.3	725.8	726.1	726.5	726.8	727.2	727.5	728.0	728.3	728.0
150°	744.8	745.0	745.6	746.3	746.9	747.5	747.5	747.5	747.5	747.5	747.3
152.5°	764.1	764.4	764.6	764.8	765.1	765.4	765.7	766.1	766.4	766.8	766.7
155°	790.7	790.8	790.9	791.1	791.2	791.4	792.0	792.6	793.3	793.9	793.8
157.5°	813.9	813.8	814.0	814.1	814.2	814.4	815.0	815.6	816.3	816.9	816.7
160°	827.9	827.8	827.9	828.0	828.2	828.4	829.0	829.6	830.2	830.8	830.8
162.5°	841.2	841.1	841.1	841.2	841.2	841.2	842.0	842.7	843.5	844.2	844.1
165°	858.5	858.4	858.5	858.7	858.9	859.1	859.7	860.3	860.9	861.5	861.4
167.5°	871.7	871.5	871.5	871.5	871.5	871.5	872.4	873.3	874.2	875.2	875.1
170°	879.6	879.2	879.2	879.2	879.2	879.2	880.2	881.1	882.1	883.0	882.9
172.5°	885.1	884.8	884.8	884.8	884.8	884.8	885.7	886.7	887.6	888.6	888.6
175°	891.4	891.1	891.1	891.1	891.1	891.1	892.1	893.0	893.9	894.8	894.7
177.5°	895.1	894.8	894.7	894.6	894.5	894.3	895.1	895.8	896.5	897.3	897.2
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333623-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1622.1	1616.0	1614.3	1616.5	1614.3	1616.0	1622.1	1622.6	1623.2	1627.6	1621.5
5°	1496.6	1489.6	1493.1	1491.7	1493.1	1489.6	1496.6	1503.5	1504.9	1511.2	1515.3
7.5°	1386.2	1377.5	1368.3	1371.3	1368.3	1377.5	1386.2	1386.3	1397.1	1405.2	1410.6
10°	1308.9	1301.9	1297.7	1301.2	1297.7	1301.9	1308.9	1317.9	1322.1	1331.8	1342.2
12.5°	1243.8	1239.7	1236.0	1234.5	1236.0	1239.7	1243.8	1253.4	1263.1	1274.5	1286.1
15°	1155.2	1146.9	1143.4	1134.4	1143.4	1146.9	1155.2	1163.6	1182.4	1187.2	1204.6
17.5°	1073.6	1070.9	1061.8	1057.9	1061.8	1070.9	1073.6	1080.8	1089.4	1107.3	1120.3
20°	1025.3	1022.5	1013.4	1019.0	1013.4	1022.5	1025.3	1035.7	1042.7	1057.2	1069.8
22.5°	985.3	979.1	976.2	974.6	976.2	979.1	985.3	990.1	999.3	1012.7	1027.0
25°	928.6	919.6	916.1	912.0	916.1	919.6	928.6	931.4	941.2	954.4	962.0
27.5°	872.2	867.4	862.7	861.7	862.7	867.4	872.2	876.1	884.6	896.1	909.9
30°	835.5	830.6	827.2	827.2	827.2	830.6	835.5	843.8	850.1	860.5	870.9
32.5°	802.7	799.0	795.5	795.0	795.5	799.0	802.7	807.2	814.5	826.1	837.0
35°	754.9	749.3	748.0	743.8	748.0	749.3	754.9	758.3	766.0	774.4	783.4
37.5°	705.3	700.6	700.5	700.1	700.5	700.6	705.3	711.4	717.7	725.2	736.4
40°	673.5	670.0	669.4	664.5	669.4	670.0	673.5	676.4	683.3	693.0	701.3
42.5°	639.6	637.8	635.4	633.4	635.4	637.8	639.6	645.2	651.0	658.0	668.5
45°	593.6	588.7	588.7	585.2	588.7	588.7	593.6	598.5	601.3	609.6	623.5
47.5°	546.1	542.3	542.7	539.1	542.7	542.3	546.1	547.6	552.1	560.3	567.9
50°	514.3	512.3	511.6	510.2	511.6	512.3	514.3	513.7	519.2	526.9	537.3
52.5°	482.7	481.7	484.4	481.3	484.4	481.7	482.7	484.2	488.1	492.9	502.8
55°	440.0	437.9	442.1	437.9	442.1	437.9	440.0	438.6	440.0	444.9	451.1
57.5°	390.9	389.0	392.7	390.7	392.7	389.0	390.9	391.2	395.4	396.1	401.6
60°	358.6	354.5	356.6	357.3	356.6	354.5	358.6	360.1	361.4	362.1	367.7
62.5°	320.3	317.8	319.3	316.1	319.3	317.8	320.3	323.3	326.5	329.9	333.2
65°	266.3	264.1	261.4	259.9	261.4	264.1	266.3	267.6	275.3	279.5	287.0
67.5°	223.6	218.6	218.6	219.6	218.6	218.6	223.6	223.4	229.0	232.3	237.5
70°	192.5	192.5	191.8	191.8	191.8	192.5	192.5	196.7	199.5	202.2	205.7
72.5°	170.9	170.3	169.1	168.5	169.1	170.3	170.9	172.3	173.9	176.7	180.1
75°	137.6	138.3	137.0	136.3	137.0	138.3	137.6	137.6	140.4	141.1	142.5
77.5°	101.7	98.7	100.2	98.7	100.2	98.7	101.7	104.4	105.4	108.4	108.6
80°	77.1	76.4	78.6	76.4	78.6	76.4	77.1	77.1	79.3	80.6	84.1
82.5°	61.0	60.4	61.3	59.7	61.3	60.4	61.0	60.5	61.4	63.4	63.0
85°	36.8	36.1	35.5	36.1	35.5	36.1	36.8	36.1	35.5	36.1	36.8
87.5°	15.9	15.4	15.5	15.6	15.5	15.4	15.9	15.2	15.6	15.5	15.3
90°	15.3	15.8	16.2	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.7
92.5°	31.9	32.2	32.5	32.9	32.5	32.2	31.9	31.6	30.9	29.9	28.8
95°	59.0	59.4	59.7	59.9	59.7	59.4	59.0	58.8	58.1	57.0	55.8
97.5°	90.3	90.5	90.8	91.0	90.8	90.5	90.3	90.2	89.6	88.5	87.6
100°	113.4	113.7	114.0	114.3	114.0	113.7	113.4	113.2	112.3	110.8	109.5
102.5°	136.5	136.9	137.3	137.8	137.3	136.9	136.5	136.1	135.1	133.6	132.1
105°	171.6	172.0	172.5	172.9	172.5	172.0	171.6	171.0	170.4	169.4	168.5
107.5°	209.0	208.9	208.9	208.9	208.9	208.9	209.0	209.0	208.8	208.3	207.9
110°	236.1	235.9	235.9	235.7	235.9	235.9	236.1	236.3	236.1	235.7	235.2



TEST NUMBER: P333623-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	262.7	262.4	262.2	261.9	262.2	262.4	262.7	263.1	263.1	262.8	262.6
115°	303.8	303.6	303.4	303.4	303.4	303.6	303.8	303.9	304.1	304.3	304.4
117.5°	345.6	345.0	344.4	343.8	344.4	345.0	345.6	346.3	346.5	346.3	346.3
120°	373.5	372.9	372.3	371.7	372.3	372.9	373.5	374.2	374.4	374.4	374.4
122.5°	401.0	400.6	400.0	399.6	400.0	400.6	401.0	401.5	401.8	402.0	402.1
125°	441.8	441.7	441.6	441.4	441.6	441.7	441.8	442.0	442.2	442.6	442.8
127.5°	482.5	482.1	481.9	481.5	481.9	482.1	482.5	482.8	483.0	483.1	483.3
130°	509.3	508.9	508.6	508.3	508.6	508.9	509.3	509.5	509.8	510.0	510.1
132.5°	534.8	534.3	533.9	533.4	533.9	534.3	534.8	535.1	535.5	535.6	535.7
135°	574.4	573.7	573.1	572.5	573.1	573.7	574.4	575.0	575.2	575.2	575.2
137.5°	613.0	612.2	611.4	610.6	611.4	612.2	613.0	613.8	614.0	613.9	613.7
140°	637.6	636.8	636.0	635.3	636.0	636.8	637.6	638.3	638.6	638.2	637.9
142.5°	660.9	660.2	659.4	658.6	659.4	660.2	660.9	661.7	662.0	661.8	661.6
145°	695.2	694.7	694.3	693.8	694.3	694.7	695.2	695.6	695.9	695.9	695.9
147.5°	726.9	725.9	724.9	723.8	724.9	725.9	726.9	728.0	728.3	728.0	727.5
150°	747.0	746.7	746.4	746.1	746.4	746.7	747.0	747.3	747.5	747.5	747.5
152.5°	766.2	765.6	765.1	764.5	765.1	765.6	766.2	766.7	766.8	766.4	766.1
155°	793.0	792.3	791.5	790.7	791.5	792.3	793.0	793.8	793.9	793.3	792.6
157.5°	815.6	814.7	813.6	812.6	813.6	814.7	815.6	816.7	816.9	816.3	815.6
160°	830.0	829.2	828.4	827.7	828.4	829.2	830.0	830.8	830.8	830.2	829.6
162.5°	843.2	842.3	841.4	840.5	841.4	842.3	843.2	844.1	844.2	843.5	842.7
165°	860.4	859.5	858.5	857.6	858.5	859.5	860.4	861.4	861.5	860.9	860.3
167.5°	874.2	873.3	872.3	871.3	872.3	873.3	874.2	875.1	875.2	874.2	873.3
170°	881.8	880.7	879.7	878.6	879.7	880.7	881.8	882.9	883.0	882.1	881.1
172.5°	887.6	886.6	885.6	884.7	885.6	886.6	887.6	888.6	888.6	887.6	886.7
175°	893.7	892.6	891.5	890.5	891.5	892.6	893.7	894.7	894.8	893.9	893.0
177.5°	896.3	895.5	894.7	893.8	894.7	895.5	896.3	897.2	897.3	896.5	895.8
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333623-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1623.2	1629.3	1632.6	1640.4	1651.5	1657.2	1664.9	1670.4	1678.3	1687.7	1695.5
5°	1518.1	1534.8	1545.9	1563.3	1579.3	1595.3	1615.4	1630.0	1649.5	1671.7	1689.1
7.5°	1420.5	1441.4	1459.8	1482.8	1509.2	1529.8	1556.0	1582.9	1613.3	1644.8	1674.6
10°	1358.3	1379.1	1402.0	1430.5	1457.0	1484.7	1516.0	1547.3	1585.6	1621.0	1661.3
12.5°	1296.5	1319.6	1345.3	1377.2	1409.1	1444.7	1476.5	1511.7	1552.7	1598.7	1641.8
15°	1219.9	1242.2	1270.0	1297.1	1333.9	1372.8	1415.2	1461.8	1507.7	1559.1	1612.7
17.5°	1137.7	1162.2	1192.8	1224.2	1263.0	1308.6	1350.1	1401.1	1452.8	1512.7	1575.7
20°	1084.3	1109.4	1145.5	1180.3	1215.8	1260.3	1309.6	1361.7	1416.6	1479.9	1550.1
22.5°	1042.1	1059.9	1095.5	1130.8	1172.3	1218.0	1266.2	1320.5	1380.5	1445.9	1519.5
25°	979.4	1000.2	1026.0	1062.8	1105.9	1153.9	1202.6	1260.3	1325.5	1392.3	1470.8
27.5°	923.6	940.8	966.2	995.1	1038.0	1087.8	1139.5	1199.7	1266.8	1334.7	1417.3
30°	884.1	902.9	927.3	957.9	991.9	1046.2	1098.9	1158.1	1226.2	1296.4	1381.2
32.5°	849.7	869.0	890.0	918.9	955.7	1003.9	1058.4	1116.3	1185.5	1258.0	1340.6
35°	801.5	814.7	834.1	862.6	898.8	937.7	993.3	1054.4	1121.9	1196.9	1279.7
37.5°	746.1	763.2	782.6	807.3	839.0	881.1	932.8	994.7	1057.2	1129.1	1204.6
40°	713.9	729.9	751.4	769.5	802.8	841.1	888.3	953.0	1015.6	1083.0	1151.8
42.5°	681.1	696.5	714.7	737.3	767.2	804.4	848.3	908.5	975.5	1039.0	1096.7
45°	629.7	645.8	663.2	683.9	711.8	748.0	791.8	846.6	905.0	963.4	1007.2
47.5°	580.7	595.7	612.1	633.5	659.1	694.0	733.2	781.7	838.4	888.1	919.4
50°	545.6	559.5	577.7	598.5	623.5	656.2	693.8	741.6	788.9	834.1	862.6
52.5°	511.2	526.7	544.8	562.8	586.8	619.5	654.2	695.5	740.6	777.4	800.9
55°	459.5	474.0	490.7	509.5	533.2	561.0	597.8	630.4	665.9	697.2	711.1
57.5°	409.6	422.3	438.0	457.5	478.8	504.6	533.9	565.3	590.3	612.4	628.1
60°	376.7	387.9	402.4	419.1	442.1	465.7	492.1	521.3	540.8	559.5	574.2
62.5°	343.4	353.9	368.0	383.0	403.1	425.1	450.4	474.0	492.9	505.6	522.5
65°	293.4	303.7	315.6	331.5	347.6	365.6	388.5	405.9	419.1	433.0	443.4
67.5°	246.7	255.4	266.6	279.2	292.7	310.0	327.8	342.2	351.3	359.6	372.2
70°	216.2	223.1	232.2	241.9	256.5	273.8	287.8	298.9	305.1	313.5	328.8
72.5°	185.0	193.1	201.6	211.3	223.1	237.7	249.9	261.1	265.1	271.8	281.5
75°	146.0	150.2	157.1	164.1	172.4	184.9	196.7	199.5	203.0	208.6	215.4
77.5°	110.4	114.1	116.9	121.5	128.1	138.2	144.5	148.6	149.5	151.5	158.4
80°	87.6	89.7	92.5	95.9	98.7	107.0	110.5	114.7	116.1	118.2	121.6
82.5°	64.2	66.3	67.9	70.9	75.3	78.6	82.1	86.3	86.6	88.1	88.8
85°	37.5	38.3	36.8	38.3	39.0	40.3	43.8	47.3	46.5	45.8	48.0
87.5°	15.7	15.6	14.8	16.2	14.9	15.2	15.1	15.3	16.2	17.0	17.9
90°	11.9	11.1	10.1	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7
92.5°	27.8	26.8	25.4	24.1	22.7	21.4	20.3	19.4	18.6	17.7	16.9
95°	54.8	53.7	52.2	50.6	49.0	47.5	46.5	46.3	45.9	45.7	45.3
97.5°	86.5	85.5	83.4	81.2	79.1	77.0	75.8	75.7	75.5	75.4	75.3
100°	108.1	106.6	104.7	102.6	100.7	98.6	97.6	97.6	97.6	97.6	97.6
102.5°	130.5	129.0	128.0	127.0	125.9	124.9	124.1	123.5	122.9	122.3	121.6
105°	167.6	166.7	165.7	164.8	163.9	162.9	162.1	161.3	160.5	159.8	159.0
107.5°	207.4	207.0	206.3	205.5	204.8	204.1	203.4	202.6	201.8	201.0	200.3
110°	234.8	234.3	233.8	233.4	232.9	232.5	231.8	231.0	230.2	229.5	228.7



TEST NUMBER: P333623-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	262.4	262.2	261.6	261.0	260.4	259.8	259.3	259.0	258.5	258.2	257.7
115°	304.5	304.7	304.4	304.1	303.8	303.4	303.0	302.4	301.8	301.1	300.5
117.5°	346.1	346.0	345.7	345.4	345.2	344.9	344.6	344.3	344.0	343.8	343.5
120°	374.4	374.4	374.3	374.2	374.0	373.8	373.4	372.6	371.8	371.0	370.2
122.5°	402.2	402.3	401.9	401.5	401.1	400.7	400.4	400.1	399.8	399.6	399.2
125°	443.2	443.4	443.3	443.2	443.0	442.8	442.3	441.4	440.4	439.5	438.5
127.5°	483.5	483.7	483.5	483.2	483.0	482.9	482.5	482.0	481.4	481.0	480.5
130°	510.2	510.4	510.1	509.8	509.4	509.2	508.6	507.8	507.1	506.3	505.5
132.5°	535.9	536.1	536.1	536.2	536.3	536.3	535.7	534.4	533.2	531.9	530.7
135°	575.2	575.2	575.1	575.0	574.8	574.6	574.1	573.2	572.2	571.3	570.3
137.5°	613.5	613.3	613.0	612.6	612.3	612.0	611.4	610.5	609.6	608.7	607.8
140°	637.7	637.3	636.9	636.4	635.9	635.4	634.8	634.1	633.3	632.5	631.8
142.5°	661.5	661.3	660.7	660.1	659.5	659.0	658.4	657.6	657.0	656.4	655.8
145°	695.9	695.9	695.4	694.9	694.5	694.0	693.5	692.9	692.2	691.6	691.0
147.5°	727.2	726.8	726.5	726.1	725.8	725.3	725.0	724.7	724.3	724.0	723.6
150°	747.5	747.5	746.9	746.3	745.6	745.0	744.8	744.9	745.1	745.2	745.4
152.5°	765.7	765.4	765.1	764.8	764.6	764.4	764.1	763.9	763.7	763.5	763.2
155°	792.0	791.4	791.2	791.1	790.9	790.8	790.7	790.7	790.7	790.7	790.7
157.5°	815.0	814.4	814.2	814.1	814.0	813.8	813.9	814.2	814.6	814.9	815.3
160°	829.0	828.4	828.2	828.0	827.9	827.8	827.9	828.4	828.8	829.3	829.7
162.5°	842.0	841.2	841.2	841.2	841.1	841.1	841.2	841.6	841.9	842.2	842.6
165°	859.7	859.1	858.9	858.7	858.5	858.4	858.5	858.8	859.2	859.4	859.8
167.5°	872.4	871.5	871.5	871.5	871.5	871.5	871.7	872.4	873.0	873.6	874.2
170°	880.2	879.2	879.2	879.2	879.2	879.2	879.6	880.2	880.8	881.5	882.1
172.5°	885.7	884.8	884.8	884.8	884.8	884.8	885.1	885.7	886.4	887.0	887.6
175°	892.1	891.1	891.1	891.1	891.1	891.1	891.4	892.1	892.7	893.3	893.9
177.5°	895.1	894.3	894.5	894.6	894.7	894.8	895.1	895.6	896.2	896.6	897.2
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



TEST NUMBER: P333623-940

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1701.6	1706.6	1713.9	1722.2	1728.8	1736.1	1740.0	1740.0	1743.3	1750.5	1760.0
5°	1706.5	1724.6	1742.0	1764.2	1781.5	1801.7	1816.9	1831.6	1844.8	1861.4	1878.8
7.5°	1705.0	1735.1	1766.4	1801.4	1840.0	1870.8	1902.4	1927.1	1951.6	1983.5	2008.7
10°	1699.5	1738.5	1780.8	1825.3	1874.0	1916.4	1954.6	1989.4	2022.8	2057.5	2088.7
12.5°	1689.5	1739.0	1790.8	1844.2	1905.7	1954.2	2003.6	2040.5	2079.5	2117.5	2156.1
15°	1674.5	1732.9	1795.5	1869.8	1944.9	1999.1	2047.7	2095.7	2131.9	2175.0	2211.8
17.5°	1643.5	1718.7	1797.4	1878.7	1950.9	2013.8	2064.8	2110.5	2148.9	2196.4	2246.4
20°	1625.1	1706.5	1788.5	1875.4	1944.2	2008.8	2058.2	2105.4	2153.4	2215.3	2276.4
22.5°	1599.6	1686.5	1773.4	1855.9	1928.6	1991.0	2042.1	2099.9	2162.8	2233.1	2307.0
25°	1559.1	1648.8	1735.0	1813.5	1884.5	1948.4	2017.9	2095.7	2172.2	2264.7	2371.0
27.5°	1507.8	1594.3	1671.2	1754.2	1824.6	1905.9	1992.7	2077.1	2187.4	2314.5	2447.3
30°	1469.5	1551.5	1624.4	1703.0	1782.9	1872.6	1969.9	2069.3	2200.7	2350.1	2507.9
32.5°	1425.0	1499.2	1571.6	1647.3	1739.5	1838.1	1941.5	2063.2	2220.2	2390.1	2553.5
35°	1347.8	1414.5	1484.7	1568.9	1666.9	1773.9	1905.9	2054.1	2243.8	2426.6	2573.3
37.5°	1266.9	1319.6	1390.1	1478.7	1585.6	1709.4	1859.2	2039.2	2234.1	2398.1	2460.5
40°	1204.6	1253.9	1328.3	1421.5	1527.1	1662.7	1830.9	2015.8	2211.8	2325.8	2320.9
42.5°	1142.9	1192.8	1264.4	1358.1	1468.2	1619.9	1793.1	1985.2	2150.6	2194.1	2103.5
45°	1048.2	1094.8	1165.0	1259.5	1377.7	1536.9	1719.0	1903.2	2008.8	1938.7	1759.3
47.5°	951.7	996.9	1062.1	1154.7	1283.7	1450.3	1622.5	1773.6	1788.5	1637.6	1422.5
50°	888.3	930.8	992.6	1091.3	1216.4	1379.1	1545.2	1664.1	1627.2	1443.1	1221.3
52.5°	826.6	867.4	925.3	1018.4	1146.4	1305.6	1454.0	1547.3	1462.0	1266.2	1066.7
55°	735.4	774.4	832.8	918.2	1034.3	1180.3	1310.3	1344.3	1219.2	1021.8	860.5
57.5°	648.8	677.3	735.0	810.7	922.6	1051.2	1144.4	1138.3	1000.2	822.4	706.8
60°	591.6	617.2	672.2	741.6	848.0	963.4	1028.8	1000.9	861.2	714.5	603.3
62.5°	538.1	562.2	608.2	672.2	763.5	863.9	911.4	873.1	741.1	612.2	523.8
65°	457.4	474.7	511.6	570.7	642.3	711.8	754.2	697.9	581.1	483.8	417.1
67.5°	381.9	396.9	429.7	472.1	521.5	569.4	586.7	533.9	443.1	377.5	330.5
70°	333.0	346.9	369.1	408.8	441.4	475.5	483.8	436.5	360.8	310.7	281.5
72.5°	286.2	299.0	318.5	346.4	369.1	388.7	392.6	348.7	290.7	256.2	233.7
75°	218.3	229.3	241.9	252.4	266.9	270.4	269.0	235.0	203.7	180.7	168.2
77.5°	160.4	165.1	172.6	176.8	177.5	177.3	170.1	148.6	132.5	123.1	117.9
80°	123.8	127.2	129.3	130.6	131.3	124.4	116.8	103.5	98.0	92.5	86.2
82.5°	89.8	92.2	94.3	94.5	90.8	85.0	77.8	71.3	67.4	64.6	62.2
85°	48.7	49.3	48.7	45.2	40.3	38.3	36.8	35.5	34.8	34.1	34.1
87.5°	17.7	16.2	13.6	14.4	14.7	14.4	14.6	14.3	13.9	14.1	14.2
90°	2.0	3.2	4.5	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.7
92.5°	17.7	18.6	19.4	20.3	21.4	22.7	24.1	25.4	26.8	27.8	28.8
95°	45.7	45.9	46.3	46.5	47.5	49.0	50.6	52.2	53.7	54.8	55.8
97.5°	75.4	75.5	75.7	75.8	77.0	79.1	81.2	83.4	85.5	86.5	87.6
100°	97.6	97.6	97.6	97.6	98.6	100.7	102.6	104.7	106.6	108.1	109.5
102.5°	122.3	122.9	123.5	124.1	124.9	125.9	127.0	128.0	129.0	130.5	132.1
105°	159.8	160.5	161.3	162.1	162.9	163.9	164.8	165.7	166.7	167.6	168.5
107.5°	201.0	201.8	202.6	203.4	204.1	204.8	205.5	206.3	207.0	207.4	207.9
110°	229.5	230.2	231.0	231.8	232.5	232.9	233.4	233.8	234.3	234.8	235.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	258.2	258.5	259.0	259.3	259.8	260.4	261.0	261.6	262.2	262.4	262.6
115°	301.1	301.8	302.4	303.0	303.4	303.8	304.1	304.4	304.7	304.5	304.4
117.5°	343.8	344.0	344.3	344.6	344.9	345.2	345.4	345.7	346.0	346.1	346.3
120°	371.0	371.8	372.6	373.4	373.8	374.0	374.2	374.3	374.4	374.4	374.4
122.5°	399.6	399.8	400.1	400.4	400.7	401.1	401.5	401.9	402.3	402.2	402.1
125°	439.5	440.4	441.4	442.3	442.8	443.0	443.2	443.3	443.4	443.2	442.8
127.5°	481.0	481.4	482.0	482.5	482.9	483.0	483.2	483.5	483.7	483.5	483.3
130°	506.3	507.1	507.8	508.6	509.2	509.4	509.8	510.1	510.4	510.2	510.1
132.5°	531.9	533.2	534.4	535.7	536.3	536.3	536.2	536.1	536.1	535.9	535.7
135°	571.3	572.2	573.2	574.1	574.6	574.8	575.0	575.1	575.2	575.2	575.2
137.5°	608.7	609.6	610.5	611.4	612.0	612.3	612.6	613.0	613.3	613.5	613.7
140°	632.5	633.3	634.1	634.8	635.4	635.9	636.4	636.9	637.3	637.7	637.9
142.5°	656.4	657.0	657.6	658.4	659.0	659.5	660.1	660.7	661.3	661.5	661.6
145°	691.6	692.2	692.9	693.5	694.0	694.5	694.9	695.4	695.9	695.9	695.9
147.5°	724.0	724.3	724.7	725.0	725.3	725.8	726.1	726.5	726.8	727.2	727.5
150°	745.2	745.1	744.9	744.8	745.0	745.6	746.3	746.9	747.5	747.5	747.5
152.5°	763.5	763.7	763.9	764.1	764.4	764.6	764.8	765.1	765.4	765.7	766.1
155°	790.7	790.7	790.7	790.7	790.8	790.9	791.1	791.2	791.4	792.0	792.6
157.5°	814.9	814.6	814.2	813.9	813.8	814.0	814.1	814.2	814.4	815.0	815.6
160°	829.3	828.8	828.4	827.9	827.8	827.9	828.0	828.2	828.4	829.0	829.6
162.5°	842.2	841.9	841.6	841.2	841.1	841.1	841.2	841.2	841.2	842.0	842.7
165°	859.4	859.2	858.8	858.5	858.4	858.5	858.7	858.9	859.1	859.7	860.3
167.5°	873.6	873.0	872.4	871.7	871.5	871.5	871.5	871.5	871.5	872.4	873.3
170°	881.5	880.8	880.2	879.6	879.2	879.2	879.2	879.2	879.2	880.2	881.1
172.5°	887.0	886.4	885.7	885.1	884.8	884.8	884.8	884.8	884.8	885.7	886.7
175°	893.3	892.7	892.1	891.4	891.1	891.1	891.1	891.1	891.1	892.1	893.0
177.5°	896.6	896.2	895.6	895.1	894.8	894.7	894.6	894.5	894.3	895.1	895.8
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1767.2	1767.2	1776.6	1776.1	1782.3	1780.0	1781.1
5°	1899.7	1911.6	1922.0	1928.9	1939.3	1942.1	1940.7
7.5°	2037.0	2063.3	2076.1	2093.6	2096.9	2106.0	2105.1
10°	2122.2	2147.9	2167.3	2182.6	2190.2	2200.0	2200.7
12.5°	2188.9	2210.7	2227.9	2242.1	2251.4	2254.5	2256.3
15°	2241.0	2265.3	2285.5	2305.6	2317.5	2326.5	2331.4
17.5°	2293.6	2331.1	2366.7	2394.1	2410.5	2424.4	2424.2
20°	2334.1	2377.2	2421.7	2453.0	2485.0	2498.8	2501.0
22.5°	2377.5	2443.4	2500.7	2549.2	2591.2	2605.7	2611.1
25°	2467.6	2553.8	2642.0	2710.2	2758.9	2787.3	2791.5
27.5°	2576.4	2693.1	2786.0	2848.8	2889.2	2910.4	2915.0
30°	2653.2	2760.9	2844.4	2891.6	2910.4	2913.1	2902.7
32.5°	2687.7	2768.1	2801.5	2798.7	2761.9	2737.5	2728.1
35°	2645.5	2628.9	2547.5	2450.2	2375.9	2328.6	2316.0
37.5°	2407.5	2263.7	2114.1	1967.0	1888.7	1849.0	1780.6
40°	2172.9	1967.8	1812.1	1688.4	1600.1	1529.2	1512.5
42.5°	1908.2	1696.5	1540.8	1434.9	1364.3	1315.7	1294.6
45°	1533.4	1351.3	1222.7	1141.4	1087.2	1051.7	1035.7
47.5°	1226.5	1085.5	991.8	931.6	890.3	859.4	850.8
50°	1057.9	945.3	866.1	815.4	784.1	760.5	750.7
52.5°	918.9	828.0	767.1	725.2	695.6	680.9	672.9
55°	758.3	679.8	636.1	602.6	585.9	574.2	568.6
57.5°	620.2	563.5	531.5	508.4	492.9	485.4	482.7
60°	542.9	498.4	469.2	451.1	440.7	431.0	428.2
62.5°	474.5	439.4	417.0	401.1	390.7	386.5	384.8
65°	382.3	359.4	342.7	333.0	324.6	323.2	322.5
67.5°	303.9	290.4	281.7	271.5	268.6	263.7	262.8
70°	259.9	250.9	240.5	237.0	233.5	228.7	229.3
72.5°	220.5	211.4	204.4	199.7	198.5	196.4	198.2
75°	161.2	158.5	155.7	152.2	150.9	150.9	150.2
77.5°	115.1	112.7	109.7	107.6	107.2	104.2	105.4
80°	83.4	79.9	78.6	79.3	77.1	76.4	76.4
82.5°	61.7	60.5	59.1	59.2	58.8	58.1	58.7
85°	34.1	33.3	33.3	32.6	32.6	32.0	32.0
87.5°	14.9	15.6	14.6	14.2	14.3	14.9	15.6
90°	13.5	14.3	14.9	15.3	15.8	16.2	16.8
92.5°	29.9	30.9	31.6	31.9	32.2	32.5	32.9
95°	57.0	58.1	58.8	59.0	59.4	59.7	59.9
97.5°	88.5	89.6	90.2	90.3	90.5	90.8	91.0
100°	110.8	112.3	113.2	113.4	113.7	114.0	114.3
102.5°	133.6	135.1	136.1	136.5	136.9	137.3	137.8
105°	169.4	170.4	171.0	171.6	172.0	172.5	172.9
107.5°	208.3	208.8	209.0	209.0	208.9	208.9	208.9
110°	235.7	236.1	236.3	236.1	235.9	235.9	235.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	262.8	263.1	263.1	262.7	262.4	262.2	261.9
115°	304.3	304.1	303.9	303.8	303.6	303.4	303.4
117.5°	346.3	346.5	346.3	345.6	345.0	344.4	343.8
120°	374.4	374.4	374.2	373.5	372.9	372.3	371.7
122.5°	402.0	401.8	401.5	401.0	400.6	400.0	399.6
125°	442.6	442.2	442.0	441.8	441.7	441.6	441.4
127.5°	483.1	483.0	482.8	482.5	482.1	481.9	481.5
130°	510.0	509.8	509.5	509.3	508.9	508.6	508.3
132.5°	535.6	535.5	535.1	534.8	534.3	533.9	533.4
135°	575.2	575.2	575.0	574.4	573.7	573.1	572.5
137.5°	613.9	614.0	613.8	613.0	612.2	611.4	610.6
140°	638.2	638.6	638.3	637.6	636.8	636.0	635.3
142.5°	661.8	662.0	661.7	660.9	660.2	659.4	658.6
145°	695.9	695.9	695.6	695.2	694.7	694.3	693.8
147.5°	728.0	728.3	728.0	726.9	725.9	724.9	723.8
150°	747.5	747.5	747.3	747.0	746.7	746.4	746.1
152.5°	766.4	766.8	766.7	766.2	765.6	765.1	764.5
155°	793.3	793.9	793.8	793.0	792.3	791.5	790.7
157.5°	816.3	816.9	816.7	815.6	814.7	813.6	812.6
160°	830.2	830.8	830.8	830.0	829.2	828.4	827.7
162.5°	843.5	844.2	844.1	843.2	842.3	841.4	840.5
165°	860.9	861.5	861.4	860.4	859.5	858.5	857.6
167.5°	874.2	875.2	875.1	874.2	873.3	872.3	871.3
170°	882.1	883.0	882.9	881.8	880.7	879.7	878.6
172.5°	887.6	888.6	888.6	887.6	886.6	885.6	884.7
175°	893.9	894.8	894.7	893.7	892.6	891.5	890.5
177.5°	896.5	897.3	897.2	896.3	895.5	894.7	893.8
180°	896.0	896.0	896.0	896.0	896.0	896.0	896.0

(END OF REPORT)