

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: P333467-940

Luminaire Tested: **S125DIW-S1270D770U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333467-940
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: S125DIW-S1270D770U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6996.7 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

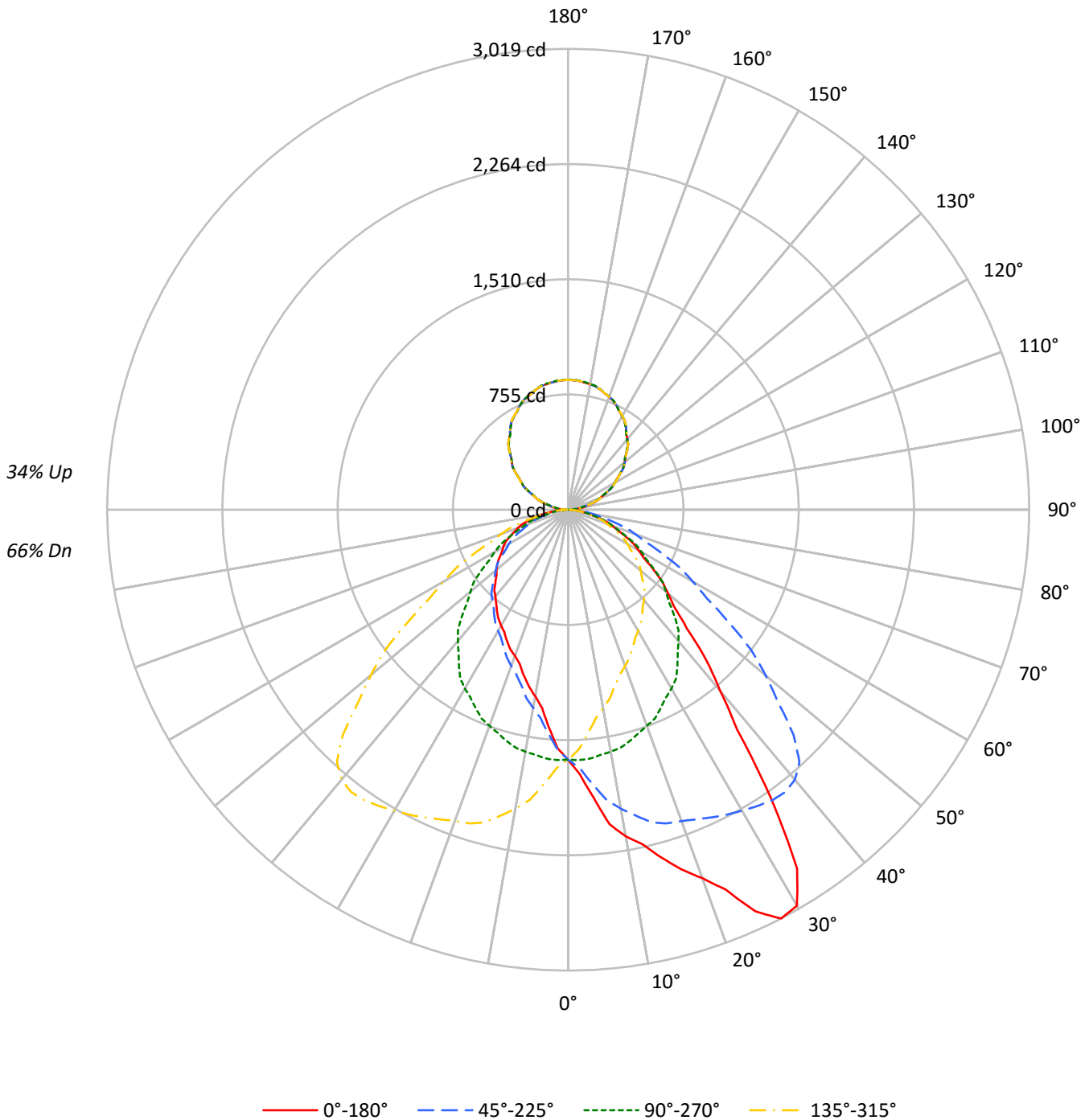
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	97	94	90	96	92	88	85	81	79	77	72	70	68	63	62	61	56
2	93	85	79	74	87	81	75	71	72	68	64	64	60	57	56	54	51	48
3	85	75	68	62	80	71	65	59	64	58	54	56	52	49	50	47	44	41
4	78	67	59	53	73	63	56	51	57	51	46	50	46	42	45	41	38	35
5	72	60	51	45	67	57	49	44	51	45	40	45	40	37	40	36	33	30
6	66	54	45	40	62	51	44	38	46	40	35	41	36	32	37	33	29	27
7	61	49	40	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	23	21
9	53	40	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	49	37	30	25	47	35	29	24	32	26	22	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10577	10577	10577	10577
5°	12248	10613	9292	10613
10°	14250	10558	8141	10558
15°	15774	10480	7511	10480
20°	17657	10357	7003	10357
25°	20685	10219	6757	10219
30°	22342	10082	6542	10082
35°	18370	9826	6401	9826
40°	13057	9470	6247	9470
45°	10030	8990	6158	8990
50°	8562	8395	6146	8395
55°	7624	7812	6199	7812
60°	6877	7174	6356	7174
65°	6353	6533	6522	6533
70°	5776	5867	6617	5867
75°	5100	5168	6558	5168
80°	4292	4214	5995	4214
85°	3394	3038	4846	3038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	2.3
10°-20°	469.4	6.7
20°-30°	762.2	10.9
30°-40°	929.8	13.3
40°-50°	845.8	12.1
50°-60°	673.7	9.6
60°-70°	469.3	6.7
70°-80°	250.2	3.6
80°-90°	65.0	0.9
90°-100°	57.0	0.8
100°-110°	168.2	2.4
110°-120°	285.0	4.1
120°-130°	375.0	5.4
130°-140°	420.2	6.0
140°-150°	411.8	5.9
150°-160°	345.9	4.9
160°-170°	229.9	3.3
170°-180°	80.5	1.2
0°-30°	1389.3	19.9
0°-40°	2319.0	33.1
0°-60°	3838.6	54.9
0°-90°	4623.1	66.1
90°-120°	510.2	7.3
90°-150°	1717.2	24.5
90°-180°	2374.0	33.9
0°-180°	6996.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1889	1637	1433	1637	1889	190
15°	2359	1567	1123	1567	2359	675
25°	2903	1434	948	1434	2903	1326
35°	2330	1246	812	1246	2330	1426
45°	1098	984	674	984	1098	879
55°	677	694	550	694	677	610
65°	416	428	427	428	416	413
75°	204	207	263	207	204	220
85°	46	41	65	41	46	53
90°	16	1	16	1	16	11
95°	57	43	57	43	57	58
105°	164	151	164	151	164	174
115°	288	285	288	285	288	285
125°	419	416	419	416	419	374
135°	544	541	544	541	544	419
145°	659	656	659	656	659	411
155°	751	751	751	751	751	345
165°	814	816	814	816	814	230
175°	845	849	845	849	845	80
180°	851	851	851	851	851	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1732.2	1730.0	1727.8	1723.3	1726.6	1717.2	1712.7	1705.0	1695.5	1692.2	1688.3
5°	1889.3	1892.7	1896.2	1881.7	1883.0	1873.3	1851.1	1833.0	1818.4	1799.7	1786.5
7.5°	2078.4	2070.2	2069.5	2060.0	2043.8	2030.7	2007.3	1977.5	1948.8	1916.0	1888.9
10°	2172.9	2173.6	2167.4	2156.2	2138.9	2126.4	2095.8	2066.5	2031.1	1989.4	1959.5
12.5°	2244.1	2247.0	2239.1	2224.1	2215.5	2187.5	2163.6	2128.9	2086.7	2053.3	2007.9
15°	2359.2	2351.5	2346.0	2327.2	2312.7	2283.4	2245.2	2209.0	2163.2	2120.8	2078.4
17.5°	2470.1	2476.3	2465.8	2448.7	2403.4	2369.4	2318.1	2268.5	2211.4	2154.6	2104.0
20°	2569.1	2574.7	2558.7	2528.8	2474.6	2440.5	2373.1	2309.2	2243.1	2170.2	2114.5
22.5°	2692.6	2688.2	2666.6	2621.1	2574.1	2511.1	2438.2	2360.3	2277.6	2195.1	2121.2
25°	2902.8	2873.5	2860.3	2804.1	2742.2	2649.7	2549.7	2435.6	2332.8	2223.7	2129.1
27.5°	3019.2	3010.1	2995.3	2956.2	2891.1	2792.2	2674.2	2535.3	2390.2	2252.5	2128.7
30°	2995.9	2997.3	2998.7	2986.2	2944.5	2870.1	2752.6	2603.2	2430.8	2275.8	2132.6
32.5°	2789.1	2814.3	2838.6	2867.2	2878.9	2864.5	2791.0	2656.0	2478.6	2302.5	2130.4
35°	2330.0	2337.6	2416.2	2494.0	2599.7	2681.7	2736.7	2676.8	2527.4	2325.1	2127.7
37.5°	1816.8	1854.3	1908.6	1996.6	2149.1	2285.6	2461.2	2542.0	2493.8	2332.5	2122.9
40°	1548.7	1583.5	1618.9	1708.6	1837.2	2002.6	2202.1	2372.4	2412.0	2309.2	2106.2
42.5°	1341.8	1369.4	1408.7	1476.1	1583.6	1730.1	1920.7	2143.3	2280.2	2241.3	2071.2
45°	1098.2	1115.6	1146.2	1199.8	1277.6	1392.3	1560.5	1803.8	2015.8	2086.0	1988.0
47.5°	940.0	940.0	963.7	1000.7	1056.9	1154.3	1278.7	1469.4	1695.8	1863.3	1855.6
50°	852.2	848.7	867.5	899.5	944.0	1008.6	1127.5	1279.7	1497.3	1687.0	1739.8
52.5°	776.6	776.9	788.5	812.2	849.4	904.6	993.5	1130.7	1316.5	1511.3	1610.9
55°	677.1	674.2	687.4	703.5	730.6	766.7	830.6	935.6	1086.5	1278.3	1407.6
57.5°	585.9	593.5	598.8	609.9	632.4	656.6	710.5	787.6	907.2	1071.8	1208.5
60°	532.4	540.1	544.3	555.4	573.5	594.3	636.1	698.6	799.4	941.2	1076.7
62.5°	484.6	490.6	492.0	502.0	516.7	537.1	569.9	622.4	702.0	826.1	958.9
65°	415.7	415.7	418.5	428.9	435.9	453.9	478.9	517.2	581.1	677.7	791.0
67.5°	349.2	352.6	351.9	356.4	362.8	376.9	394.8	426.4	473.8	544.3	634.9
70°	305.9	308.6	307.9	311.4	318.3	327.4	342.0	371.8	405.9	466.5	544.3
72.5°	266.9	268.0	266.3	270.8	275.0	282.9	299.2	315.1	347.0	398.1	462.0
75°	204.4	205.7	207.1	209.9	214.1	218.3	226.6	242.6	263.4	301.7	342.7
77.5°	153.2	150.5	153.9	153.5	155.9	159.1	166.4	174.9	192.0	216.2	247.9
80°	115.4	116.1	116.1	116.8	120.3	122.3	128.6	134.8	148.0	166.1	188.4
82.5°	84.3	86.1	85.0	86.2	89.1	90.6	94.1	99.2	106.9	121.1	137.2
85°	45.8	42.4	43.8	45.2	45.2	45.8	48.7	50.7	54.9	60.5	66.7
87.5°	16.5	17.6	18.0	17.9	18.4	18.3	20.3	20.2	21.8	23.3	25.2
90°	15.9	15.4	15.0	14.5	14.1	13.6	12.8	12.0	11.3	10.6	9.5
92.5°	31.2	30.9	30.6	30.3	30.0	29.3	28.4	27.4	26.4	25.4	24.2
95°	56.9	56.6	56.4	56.1	55.7	55.1	54.0	53.1	52.0	51.0	49.5
97.5°	86.3	86.1	86.0	85.8	85.6	85.1	84.1	83.1	82.1	81.1	79.1
100°	108.5	108.3	108.0	107.7	107.4	106.6	105.2	103.9	102.6	101.3	99.3
102.5°	130.8	130.4	130.0	129.6	129.1	128.2	126.8	125.4	123.9	122.4	121.5
105°	164.2	163.7	163.3	162.8	162.4	161.8	160.9	160.0	159.1	158.2	157.3
107.5°	198.3	198.3	198.4	198.4	198.4	198.2	197.8	197.3	196.9	196.4	195.8
110°	223.7	223.9	224.0	224.2	224.4	224.2	223.7	223.3	222.8	222.4	221.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	248.6	248.9	249.1	249.4	249.7	249.7	249.5	249.3	249.1	248.9	248.3
115°	287.9	288.1	288.3	288.4	288.6	288.6	288.8	289.0	289.1	289.3	289.0
117.5°	326.4	326.9	327.5	328.1	328.7	329.0	328.8	328.7	328.6	328.5	328.2
120°	352.8	353.4	354.0	354.6	355.2	355.4	355.4	355.4	355.4	355.4	355.3
122.5°	379.3	379.8	380.2	380.7	381.2	381.5	381.6	381.7	381.8	381.9	381.6
125°	419.0	419.2	419.3	419.5	419.6	419.8	420.1	420.4	420.7	421.0	420.9
127.5°	457.2	457.4	457.7	458.1	458.3	458.5	458.7	458.9	459.0	459.1	459.0
130°	482.6	482.9	483.1	483.5	483.8	483.9	484.1	484.3	484.4	484.6	484.3
132.5°	506.4	506.8	507.2	507.7	508.0	508.4	508.5	508.6	508.8	508.9	509.0
135°	543.5	544.0	544.7	545.2	545.8	546.1	546.1	546.1	546.1	546.1	546.0
137.5°	579.7	580.5	581.2	581.9	582.6	583.0	582.8	582.6	582.5	582.3	581.9
140°	603.1	603.8	604.5	605.3	606.0	606.2	605.9	605.6	605.3	605.0	604.6
142.5°	625.3	626.0	626.8	627.5	628.2	628.5	628.3	628.1	627.9	627.8	627.2
145°	658.6	659.1	659.5	660.0	660.4	660.7	660.7	660.7	660.7	660.7	660.2
147.5°	687.2	688.1	689.1	690.1	691.1	691.4	691.1	690.7	690.4	690.0	689.6
150°	708.3	708.6	708.9	709.2	709.4	709.6	709.6	709.6	709.6	709.6	709.0
152.5°	725.8	726.3	726.8	727.4	727.9	728.0	727.6	727.3	726.9	726.6	726.3
155°	750.6	751.4	752.2	752.9	753.6	753.7	753.0	752.5	751.9	751.4	751.2
157.5°	771.4	772.4	773.4	774.4	775.3	775.5	774.9	774.4	773.7	773.2	773.0
160°	785.8	786.5	787.2	787.9	788.7	788.7	788.2	787.6	787.0	786.4	786.2
162.5°	797.9	798.8	799.6	800.5	801.4	801.4	800.7	800.0	799.3	798.6	798.5
165°	814.2	815.1	816.0	816.9	817.7	817.9	817.3	816.7	816.1	815.6	815.4
167.5°	827.2	828.1	829.0	829.9	830.8	830.8	830.0	829.1	828.2	827.3	827.3
170°	834.1	835.1	836.2	837.1	838.2	838.3	837.4	836.5	835.6	834.7	834.7
172.5°	839.9	840.8	841.7	842.7	843.6	843.6	842.7	841.8	840.9	840.0	840.0
175°	845.3	846.3	847.4	848.4	849.4	849.5	848.6	847.7	846.9	846.0	846.0
177.5°	848.5	849.4	850.2	851.0	851.8	851.9	851.1	850.4	849.7	849.0	849.2
180°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1685.0	1681.1	1676.6	1668.8	1659.4	1654.4	1646.5	1641.6	1631.6	1623.2	1614.4
5°	1770.4	1752.4	1735.7	1714.1	1690.5	1675.2	1657.2	1637.0	1616.1	1594.6	1570.9
7.5°	1859.0	1827.0	1792.2	1754.9	1718.3	1684.6	1652.5	1621.0	1591.5	1555.9	1525.8
10°	1918.5	1878.2	1835.1	1784.3	1735.0	1691.9	1648.1	1609.9	1570.9	1529.2	1492.4
12.5°	1978.0	1924.3	1863.4	1807.7	1748.4	1696.3	1644.8	1596.0	1547.0	1500.8	1457.9
15°	2020.0	1972.7	1916.4	1837.2	1770.4	1698.9	1630.8	1567.4	1508.4	1457.0	1402.8
17.5°	2047.6	1986.7	1926.3	1850.2	1762.8	1682.7	1605.5	1533.1	1466.5	1401.3	1349.1
20°	2052.6	1990.1	1926.8	1852.4	1762.8	1671.1	1593.8	1507.0	1435.4	1368.0	1304.0
22.5°	2051.0	1980.0	1911.3	1834.7	1747.2	1662.7	1569.4	1480.9	1403.1	1336.9	1270.1
25°	2035.2	1959.5	1873.3	1796.2	1709.9	1620.3	1525.8	1434.0	1354.8	1279.0	1213.0
27.5°	2022.2	1924.0	1826.3	1736.3	1653.1	1570.9	1480.4	1386.4	1298.6	1221.8	1159.6
30°	2006.1	1898.4	1788.5	1694.7	1609.2	1529.2	1443.8	1352.0	1260.3	1185.2	1118.5
32.5°	1991.6	1866.1	1750.2	1648.0	1557.5	1479.7	1400.9	1313.6	1223.5	1147.4	1080.6
35°	1963.7	1818.4	1685.6	1570.2	1473.6	1393.7	1327.7	1246.3	1163.6	1089.9	1026.0
37.5°	1928.2	1755.9	1613.4	1492.4	1386.4	1302.3	1240.7	1178.3	1098.9	1028.0	970.1
40°	1900.4	1711.4	1560.5	1436.8	1327.0	1239.4	1182.4	1123.3	1057.3	991.2	930.1
42.5°	1865.4	1671.3	1507.2	1373.9	1265.2	1179.9	1120.1	1069.9	1011.6	950.1	893.3
45°	1801.0	1598.7	1420.8	1277.6	1167.8	1083.7	1021.8	984.3	940.5	882.1	834.1
47.5°	1706.4	1511.5	1327.5	1179.7	1066.4	988.5	930.5	894.5	863.6	820.2	776.7
50°	1622.4	1446.5	1260.3	1113.6	1000.2	921.7	868.2	835.5	809.1	775.7	738.9
52.5°	1528.4	1364.8	1194.1	1049.1	936.8	859.4	807.0	778.3	756.3	732.4	696.1
55°	1379.1	1240.1	1081.6	944.0	840.3	764.6	718.7	693.8	675.6	657.5	635.3
57.5°	1214.6	1105.9	965.5	839.7	744.3	675.4	632.6	608.2	594.1	584.9	571.8
60°	1098.9	1005.8	884.8	770.2	677.1	615.9	574.2	555.4	543.6	535.9	526.2
62.5°	991.7	915.2	803.2	698.5	617.0	559.1	521.9	503.6	492.4	488.7	480.6
65°	833.4	774.4	681.9	595.0	525.5	476.2	444.9	427.5	420.5	416.3	417.1
67.5°	677.6	641.6	567.3	493.2	437.7	396.4	371.3	358.0	354.5	348.9	348.8
70°	582.5	555.4	492.8	428.2	378.8	346.9	324.6	310.7	307.2	304.4	303.8
72.5°	498.6	474.7	420.5	368.7	324.3	296.2	277.9	269.6	263.9	262.2	262.1
75°	374.7	361.5	318.3	277.3	246.7	227.3	214.8	207.1	203.0	202.2	203.0
77.5°	266.4	254.9	227.5	198.4	179.1	164.3	153.7	151.1	146.4	146.5	145.8
80°	200.2	192.5	175.1	152.2	136.3	123.8	118.2	113.3	111.9	109.9	111.9
82.5°	145.2	137.0	125.1	110.5	97.3	89.8	84.3	82.8	81.9	80.9	81.3
85°	71.6	72.3	65.4	54.2	48.7	44.5	41.0	41.0	40.3	39.6	40.3
87.5°	26.2	24.9	22.4	20.5	17.5	15.6	14.8	15.2	13.7	13.4	14.2
90°	8.6	7.5	6.5	5.4	4.2	3.0	1.9	0.6	1.9	3.0	4.2
92.5°	22.9	21.7	20.3	19.4	18.5	17.7	16.9	16.1	16.9	17.7	18.5
95°	48.1	46.5	45.1	44.2	43.9	43.6	43.3	43.1	43.3	43.6	43.9
97.5°	77.1	75.1	73.0	72.0	71.9	71.7	71.6	71.5	71.6	71.7	71.9
100°	97.5	95.5	93.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
102.5°	120.6	119.6	118.6	117.8	117.2	116.6	116.0	115.5	116.0	116.6	117.2
105°	156.4	155.6	154.7	153.9	153.1	152.4	151.7	151.0	151.7	152.4	153.1
107.5°	195.1	194.5	193.8	193.1	192.3	191.6	190.8	190.1	190.8	191.6	192.3
110°	221.5	221.1	220.6	220.1	219.4	218.6	217.8	217.1	217.8	218.6	219.4



TEST NUMBER: P333467-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	247.8	247.2	246.6	246.2	245.8	245.4	245.0	244.7	245.0	245.4	245.8
115°	288.6	288.4	288.1	287.7	287.0	286.5	285.9	285.3	285.9	286.5	287.0
117.5°	328.0	327.7	327.4	327.2	326.9	326.6	326.4	326.1	326.4	326.6	326.9
120°	355.2	355.0	354.9	354.5	353.7	352.9	352.2	351.5	352.2	352.9	353.7
122.5°	381.2	380.8	380.4	380.1	379.9	379.6	379.3	379.1	379.3	379.6	379.9
125°	420.7	420.5	420.4	419.9	419.0	418.1	417.2	416.3	417.2	418.1	419.0
127.5°	458.8	458.6	458.4	458.1	457.6	457.1	456.6	456.1	456.6	457.1	457.6
130°	483.9	483.7	483.4	482.9	482.1	481.4	480.6	479.9	480.6	481.4	482.1
132.5°	509.0	509.1	509.2	508.5	507.4	506.1	505.0	503.7	505.0	506.1	507.4
135°	545.8	545.6	545.5	545.0	544.1	543.2	542.3	541.4	542.3	543.2	544.1
137.5°	581.6	581.3	580.9	580.4	579.5	578.6	577.8	576.9	577.8	578.6	579.5
140°	604.1	603.7	603.2	602.7	601.9	601.2	600.5	599.8	600.5	601.2	601.9
142.5°	626.7	626.2	625.5	625.0	624.4	623.8	623.1	622.5	623.1	623.8	624.4
145°	659.8	659.3	658.9	658.4	657.7	657.2	656.6	656.0	656.6	657.2	657.7
147.5°	689.3	688.9	688.6	688.3	688.0	687.6	687.3	687.0	687.3	687.6	688.0
150°	708.5	707.8	707.3	707.0	707.2	707.3	707.5	707.7	707.5	707.3	707.2
152.5°	726.1	725.9	725.6	725.4	725.2	725.0	724.8	724.6	724.8	725.0	725.2
155°	751.0	750.9	750.7	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6
157.5°	772.8	772.8	772.6	772.7	773.0	773.3	773.6	774.0	773.6	773.3	773.0
160°	786.1	786.0	785.8	786.0	786.4	786.8	787.3	787.7	787.3	786.8	786.4
162.5°	798.5	798.5	798.4	798.6	799.0	799.2	799.6	800.0	799.6	799.2	799.0
165°	815.2	815.1	814.9	815.0	815.3	815.6	815.9	816.2	815.9	815.6	815.3
167.5°	827.3	827.3	827.3	827.6	828.2	828.8	829.4	830.0	829.4	828.8	828.2
170°	834.7	834.7	834.7	835.0	835.6	836.2	836.8	837.4	836.8	836.2	835.6
172.5°	840.0	840.0	840.0	840.3	840.9	841.5	842.0	842.7	842.0	841.5	840.9
175°	846.0	846.0	846.0	846.2	846.9	847.5	848.0	848.6	848.0	847.5	846.9
177.5°	849.3	849.4	849.5	849.8	850.2	850.7	851.2	851.7	851.2	850.7	850.2
180°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6



TEST NUMBER: P333467-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1609.3	1603.2	1598.2	1587.1	1580.9	1572.6	1565.9	1573.2	1565.4	1568.7	1563.7
5°	1559.2	1539.6	1525.8	1505.6	1488.3	1472.2	1460.4	1458.3	1452.8	1450.0	1441.6
7.5°	1498.8	1474.4	1450.5	1424.2	1401.9	1379.2	1364.8	1352.8	1344.9	1334.4	1327.4
10°	1463.2	1430.6	1402.8	1370.7	1342.9	1318.7	1299.1	1289.4	1280.4	1267.2	1262.3
12.5°	1419.2	1385.5	1351.6	1317.4	1290.7	1263.6	1246.9	1232.2	1225.9	1211.0	1209.5
15°	1366.5	1315.8	1282.5	1247.7	1210.9	1188.7	1174.7	1158.8	1151.8	1141.4	1133.7
17.5°	1303.8	1258.4	1216.7	1180.7	1149.1	1130.4	1113.1	1102.2	1090.2	1083.4	1070.9
20°	1258.1	1215.0	1173.3	1135.1	1110.8	1089.2	1075.3	1064.9	1052.4	1048.9	1036.4
22.5°	1219.8	1172.2	1132.2	1100.1	1073.5	1049.2	1034.2	1027.1	1018.5	1007.8	1005.2
25°	1157.4	1108.0	1074.0	1042.0	1018.3	996.1	985.7	976.6	968.3	960.6	957.9
27.5°	1103.4	1059.4	1018.9	990.0	969.4	949.1	940.0	929.0	922.8	916.7	909.2
30°	1065.6	1020.4	985.0	957.2	935.0	916.9	907.1	899.5	893.9	888.3	884.2
32.5°	1026.7	984.8	950.5	923.3	901.0	887.3	878.8	873.3	867.2	860.5	855.2
35°	975.3	929.3	896.0	872.4	855.0	844.5	834.8	829.9	823.0	823.0	817.4
37.5°	917.3	877.6	848.2	826.6	811.0	801.7	791.2	787.8	783.4	780.4	778.6
40°	882.8	846.0	818.1	796.6	779.9	772.2	763.9	758.4	755.5	752.1	750.7
42.5°	847.2	812.0	785.3	765.4	751.0	744.5	736.6	732.8	727.2	722.6	721.8
45°	793.1	759.0	734.8	718.7	706.2	698.6	693.8	685.4	682.6	677.1	676.4
47.5°	741.8	709.2	685.3	672.2	661.2	655.0	647.3	638.9	635.8	632.9	632.7
50°	703.5	673.6	651.3	638.8	628.4	619.4	611.7	606.1	604.0	604.0	605.5
52.5°	664.5	639.1	620.2	604.8	595.0	585.4	578.4	575.0	571.8	575.2	577.7
55°	607.5	581.8	567.9	553.3	543.6	532.4	529.0	527.6	525.5	531.1	533.9
57.5°	547.2	529.1	512.8	498.4	489.6	483.2	478.5	477.7	481.6	484.2	493.2
60°	508.8	487.9	473.4	462.3	451.8	447.6	446.3	444.9	447.6	455.3	467.1
62.5°	466.5	449.6	433.9	425.5	417.9	411.0	410.6	411.5	417.1	425.8	437.7
65°	404.6	389.9	379.5	369.8	363.6	359.4	360.8	363.6	369.8	381.7	394.8
67.5°	341.6	331.5	322.3	314.3	308.4	308.4	309.8	313.9	321.3	334.9	347.0
70°	301.0	289.9	282.2	278.7	273.8	271.1	275.3	282.2	288.5	301.0	311.4
72.5°	260.4	250.9	245.0	242.6	240.5	238.3	239.7	247.2	255.7	268.1	280.3
75°	200.2	196.7	192.5	189.8	187.7	189.0	190.5	197.4	204.4	217.6	231.5
77.5°	146.2	142.5	140.0	139.3	138.2	138.8	142.8	147.9	154.7	164.3	174.9
80°	110.5	109.1	107.7	107.0	107.0	107.7	113.3	116.8	123.1	132.1	140.4
82.5°	80.5	79.6	79.4	79.3	79.8	79.9	83.3	87.8	93.0	99.8	107.0
85°	42.4	41.0	43.1	43.8	42.4	44.5	45.8	48.7	50.7	54.2	57.7
87.5°	15.0	16.3	16.0	16.8	16.9	18.3	17.8	20.2	21.5	22.7	22.3
90°	5.4	6.5	7.5	8.6	9.5	10.6	11.3	12.0	12.8	13.6	14.1
92.5°	19.4	20.3	21.7	22.9	24.2	25.4	26.4	27.4	28.4	29.3	30.0
95°	44.2	45.1	46.5	48.1	49.5	51.0	52.0	53.1	54.0	55.1	55.7
97.5°	72.0	73.0	75.1	77.1	79.1	81.1	82.1	83.1	84.1	85.1	85.6
100°	92.6	93.6	95.5	97.5	99.3	101.3	102.6	103.9	105.2	106.6	107.4
102.5°	117.8	118.6	119.6	120.6	121.5	122.4	123.9	125.4	126.8	128.2	129.1
105°	153.9	154.7	155.6	156.4	157.3	158.2	159.1	160.0	160.9	161.8	162.4
107.5°	193.1	193.8	194.5	195.1	195.8	196.4	196.9	197.3	197.8	198.2	198.4
110°	220.1	220.6	221.1	221.5	221.9	222.4	222.8	223.3	223.7	224.2	224.4



TEST NUMBER: P333467-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	246.2	246.6	247.2	247.8	248.3	248.9	249.1	249.3	249.5	249.7	249.7
115°	287.7	288.1	288.4	288.6	289.0	289.3	289.1	289.0	288.8	288.6	288.6
117.5°	327.2	327.4	327.7	328.0	328.2	328.5	328.6	328.7	328.8	329.0	328.7
120°	354.5	354.9	355.0	355.2	355.3	355.4	355.4	355.4	355.4	355.4	355.2
122.5°	380.1	380.4	380.8	381.2	381.6	381.9	381.8	381.7	381.6	381.5	381.2
125°	419.9	420.4	420.5	420.7	420.9	421.0	420.7	420.4	420.1	419.8	419.6
127.5°	458.1	458.4	458.6	458.8	459.0	459.1	459.0	458.9	458.7	458.5	458.3
130°	482.9	483.4	483.7	483.9	484.3	484.6	484.4	484.3	484.1	483.9	483.8
132.5°	508.5	509.2	509.1	509.0	509.0	508.9	508.8	508.6	508.5	508.4	508.0
135°	545.0	545.5	545.6	545.8	546.0	546.1	546.1	546.1	546.1	546.1	545.8
137.5°	580.4	580.9	581.3	581.6	581.9	582.3	582.5	582.6	582.8	583.0	582.6
140°	602.7	603.2	603.7	604.1	604.6	605.0	605.3	605.6	605.9	606.2	606.0
142.5°	625.0	625.5	626.2	626.7	627.2	627.8	627.9	628.1	628.3	628.5	628.2
145°	658.4	658.9	659.3	659.8	660.2	660.7	660.7	660.7	660.7	660.7	660.4
147.5°	688.3	688.6	688.9	689.3	689.6	690.0	690.4	690.7	691.1	691.4	691.1
150°	707.0	707.3	707.8	708.5	709.0	709.6	709.6	709.6	709.6	709.6	709.4
152.5°	725.4	725.6	725.9	726.1	726.3	726.6	726.9	727.3	727.6	728.0	727.9
155°	750.6	750.7	750.9	751.0	751.2	751.4	751.9	752.5	753.0	753.7	753.6
157.5°	772.7	772.6	772.8	772.8	773.0	773.2	773.7	774.4	774.9	775.5	775.3
160°	786.0	785.8	786.0	786.1	786.2	786.4	787.0	787.6	788.2	788.7	788.7
162.5°	798.6	798.4	798.5	798.5	798.5	798.6	799.3	800.0	800.7	801.4	801.4
165°	815.0	814.9	815.1	815.2	815.4	815.6	816.1	816.7	817.3	817.9	817.7
167.5°	827.6	827.3	827.3	827.3	827.3	827.3	828.2	829.1	830.0	830.8	830.8
170°	835.0	834.7	834.7	834.7	834.7	834.7	835.6	836.5	837.4	838.3	838.2
172.5°	840.3	840.0	840.0	840.0	840.0	840.0	840.9	841.8	842.7	843.6	843.6
175°	846.2	846.0	846.0	846.0	846.0	846.0	846.9	847.7	848.6	849.5	849.4
177.5°	849.8	849.5	849.4	849.3	849.2	849.0	849.7	850.4	851.1	851.9	851.8
180°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6



TEST NUMBER: P333467-940

CATALOG NUMBER: S125DIW-S1270D770U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1560.4	1564.2	1560.9	1565.4	1560.9	1564.2	1560.4	1563.7	1568.7	1565.4	1573.2
5°	1438.2	1431.9	1436.1	1433.3	1436.1	1431.9	1438.2	1441.6	1450.0	1452.8	1458.3
7.5°	1325.3	1319.3	1312.5	1309.3	1312.5	1319.3	1325.3	1327.4	1334.4	1344.9	1352.8
10°	1254.6	1247.1	1246.3	1241.4	1246.3	1247.1	1254.6	1262.3	1267.2	1280.4	1289.4
12.5°	1202.9	1195.9	1187.9	1185.9	1187.9	1195.9	1202.9	1209.5	1211.0	1225.9	1232.2
15°	1129.5	1124.0	1119.1	1123.3	1119.1	1124.0	1129.5	1133.7	1141.4	1151.8	1158.8
17.5°	1068.5	1063.9	1063.1	1057.9	1063.1	1063.9	1068.5	1070.9	1083.4	1090.2	1102.2
20°	1030.2	1026.7	1028.1	1019.0	1028.1	1026.7	1030.2	1036.4	1048.9	1052.4	1064.9
22.5°	999.6	992.7	991.9	990.2	991.9	992.7	999.6	1005.2	1007.8	1018.5	1027.1
25°	951.6	948.2	944.7	948.2	944.7	948.2	951.6	957.9	960.6	968.3	976.6
27.5°	909.7	905.6	904.6	905.0	904.6	905.6	909.7	909.2	916.7	922.8	929.0
30°	884.2	877.3	877.9	877.3	877.9	877.3	884.2	884.2	888.3	893.9	899.5
32.5°	856.4	851.7	850.7	849.4	850.7	851.7	856.4	855.2	860.5	867.2	873.3
35°	815.4	815.4	811.9	811.9	811.9	815.4	815.4	817.4	823.0	823.0	829.9
37.5°	776.9	776.1	774.1	774.4	774.1	776.1	776.9	778.6	780.4	783.4	787.8
40°	748.0	747.3	745.1	741.0	745.1	747.3	748.0	750.7	752.1	755.5	758.4
42.5°	720.1	717.7	716.8	715.4	716.8	717.7	720.1	721.8	722.6	727.2	732.8
45°	676.4	676.4	674.9	674.2	674.9	676.4	676.4	676.4	677.1	682.6	685.4
47.5°	633.8	635.1	637.7	637.3	637.7	635.1	633.8	632.7	632.9	635.8	638.9
50°	608.2	608.9	611.0	611.7	611.0	608.9	608.2	605.5	604.0	604.0	606.1
52.5°	579.9	583.9	586.6	586.1	586.6	583.9	579.9	577.7	575.2	571.8	575.0
55°	540.1	544.9	549.8	550.5	549.8	544.9	540.1	533.9	531.1	525.5	527.6
57.5°	500.8	507.6	512.7	514.3	512.7	507.6	500.8	493.2	484.2	481.6	477.7
60°	474.0	483.1	489.4	492.1	489.4	483.1	474.0	467.1	455.3	447.6	444.9
62.5°	448.4	458.6	464.8	465.5	464.8	458.6	448.4	437.7	425.8	417.1	411.5
65°	406.6	417.1	422.6	426.8	422.6	417.1	406.6	394.8	381.7	369.8	363.6
67.5°	361.6	372.0	378.2	381.5	378.2	372.0	361.6	347.0	334.9	321.3	313.9
70°	328.8	339.2	347.6	350.4	347.6	339.2	328.8	311.4	301.0	288.5	282.2
72.5°	296.5	305.9	312.5	315.8	312.5	305.9	296.5	280.3	268.1	255.7	247.2
75°	240.5	253.0	259.3	262.8	259.3	253.0	240.5	231.5	217.6	204.4	197.4
77.5°	185.5	196.9	200.6	202.4	200.6	196.9	185.5	174.9	164.3	154.7	147.9
80°	148.7	155.7	160.6	161.2	160.6	155.7	148.7	140.4	132.1	123.1	116.8
82.5°	114.3	120.1	121.6	123.4	121.6	120.1	114.3	107.0	99.8	93.0	87.8
85°	62.6	65.4	66.1	65.4	66.1	65.4	62.6	57.7	54.2	50.7	48.7
87.5°	23.5	23.0	23.1	24.3	23.1	23.0	23.5	22.3	22.7	21.5	20.2
90°	14.5	15.0	15.4	15.9	15.4	15.0	14.5	14.1	13.6	12.8	12.0
92.5°	30.3	30.6	30.9	31.2	30.9	30.6	30.3	30.0	29.3	28.4	27.4
95°	56.1	56.4	56.6	56.9	56.6	56.4	56.1	55.7	55.1	54.0	53.1
97.5°	85.8	86.0	86.1	86.3	86.1	86.0	85.8	85.6	85.1	84.1	83.1
100°	107.7	108.0	108.3	108.5	108.3	108.0	107.7	107.4	106.6	105.2	103.9
102.5°	129.6	130.0	130.4	130.8	130.4	130.0	129.6	129.1	128.2	126.8	125.4
105°	162.8	163.3	163.7	164.2	163.7	163.3	162.8	162.4	161.8	160.9	160.0
107.5°	198.4	198.4	198.3	198.3	198.3	198.4	198.4	198.4	198.2	197.8	197.3
110°	224.2	224.0	223.9	223.7	223.9	224.0	224.2	224.4	224.2	223.7	223.3



TEST NUMBER: P333467-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	249.4	249.1	248.9	248.6	248.9	249.1	249.4	249.7	249.7	249.5	249.3
115°	288.4	288.3	288.1	287.9	288.1	288.3	288.4	288.6	288.6	288.8	289.0
117.5°	328.1	327.5	326.9	326.4	326.9	327.5	328.1	328.7	329.0	328.8	328.7
120°	354.6	354.0	353.4	352.8	353.4	354.0	354.6	355.2	355.4	355.4	355.4
122.5°	380.7	380.2	379.8	379.3	379.8	380.2	380.7	381.2	381.5	381.6	381.7
125°	419.5	419.3	419.2	419.0	419.2	419.3	419.5	419.6	419.8	420.1	420.4
127.5°	458.1	457.7	457.4	457.2	457.4	457.7	458.1	458.3	458.5	458.7	458.9
130°	483.5	483.1	482.9	482.6	482.9	483.1	483.5	483.8	483.9	484.1	484.3
132.5°	507.7	507.2	506.8	506.4	506.8	507.2	507.7	508.0	508.4	508.5	508.6
135°	545.2	544.7	544.0	543.5	544.0	544.7	545.2	545.8	546.1	546.1	546.1
137.5°	581.9	581.2	580.5	579.7	580.5	581.2	581.9	582.6	583.0	582.8	582.6
140°	605.3	604.5	603.8	603.1	603.8	604.5	605.3	606.0	606.2	605.9	605.6
142.5°	627.5	626.8	626.0	625.3	626.0	626.8	627.5	628.2	628.5	628.3	628.1
145°	660.0	659.5	659.1	658.6	659.1	659.5	660.0	660.4	660.7	660.7	660.7
147.5°	690.1	689.1	688.1	687.2	688.1	689.1	690.1	691.1	691.4	691.1	690.7
150°	709.2	708.9	708.6	708.3	708.6	708.9	709.2	709.4	709.6	709.6	709.6
152.5°	727.4	726.8	726.3	725.8	726.3	726.8	727.4	727.9	728.0	727.6	727.3
155°	752.9	752.2	751.4	750.6	751.4	752.2	752.9	753.6	753.7	753.0	752.5
157.5°	774.4	773.4	772.4	771.4	772.4	773.4	774.4	775.3	775.5	774.9	774.4
160°	787.9	787.2	786.5	785.8	786.5	787.2	787.9	788.7	788.7	788.2	787.6
162.5°	800.5	799.6	798.8	797.9	798.8	799.6	800.5	801.4	801.4	800.7	800.0
165°	816.9	816.0	815.1	814.2	815.1	816.0	816.9	817.7	817.9	817.3	816.7
167.5°	829.9	829.0	828.1	827.2	828.1	829.0	829.9	830.8	830.8	830.0	829.1
170°	837.1	836.2	835.1	834.1	835.1	836.2	837.1	838.2	838.3	837.4	836.5
172.5°	842.7	841.7	840.8	839.9	840.8	841.7	842.7	843.6	843.6	842.7	841.8
175°	848.4	847.4	846.3	845.3	846.3	847.4	848.4	849.4	849.5	848.6	847.7
177.5°	851.0	850.2	849.4	848.5	849.4	850.2	851.0	851.8	851.9	851.1	850.4
180°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1565.9	1572.6	1580.9	1587.1	1598.2	1603.2	1609.3	1614.4	1623.2	1631.6	1641.6
5°	1460.4	1472.2	1488.3	1505.6	1525.8	1539.6	1559.2	1570.9	1594.6	1616.1	1637.0
7.5°	1364.8	1379.2	1401.9	1424.2	1450.5	1474.4	1498.8	1525.8	1555.9	1591.5	1621.0
10°	1299.1	1318.7	1342.9	1370.7	1402.8	1430.6	1463.2	1492.4	1529.2	1570.9	1609.9
12.5°	1246.9	1263.6	1290.7	1317.4	1351.6	1385.5	1419.2	1457.9	1500.8	1547.0	1596.0
15°	1174.7	1188.7	1210.9	1247.7	1282.5	1315.8	1366.5	1402.8	1457.0	1508.4	1567.4
17.5°	1113.1	1130.4	1149.1	1180.7	1216.7	1258.4	1303.8	1349.1	1401.3	1466.5	1533.1
20°	1075.3	1089.2	1110.8	1135.1	1173.3	1215.0	1258.1	1304.0	1368.0	1435.4	1507.0
22.5°	1034.2	1049.2	1073.5	1100.1	1132.2	1172.2	1219.8	1270.1	1336.9	1403.1	1480.9
25°	985.7	996.1	1018.3	1042.0	1074.0	1108.0	1157.4	1213.0	1279.0	1354.8	1434.0
27.5°	940.0	949.1	969.4	990.0	1018.9	1059.4	1103.4	1159.6	1221.8	1298.6	1386.4
30°	907.1	916.9	935.0	957.2	985.0	1020.4	1065.6	1118.5	1185.2	1260.3	1352.0
32.5°	878.8	887.3	901.0	923.3	950.5	984.8	1026.7	1080.6	1147.4	1223.5	1313.6
35°	834.8	844.5	855.0	872.4	896.0	929.3	975.3	1026.0	1089.9	1163.6	1246.3
37.5°	791.2	801.7	811.0	826.6	848.2	877.6	917.3	970.1	1028.0	1098.9	1178.3
40°	763.9	772.2	779.9	796.6	818.1	846.0	882.8	930.1	991.2	1057.3	1123.3
42.5°	736.6	744.5	751.0	765.4	785.3	812.0	847.2	893.3	950.1	1011.6	1069.9
45°	693.8	698.6	706.2	718.7	734.8	759.0	793.1	834.1	882.1	940.5	984.3
47.5°	647.3	655.0	661.2	672.2	685.3	709.2	741.8	776.7	820.2	863.6	894.5
50°	611.7	619.4	628.4	638.8	651.3	673.6	703.5	738.9	775.7	809.1	835.5
52.5°	578.4	585.4	595.0	604.8	620.2	639.1	664.5	696.1	732.4	756.3	778.3
55°	529.0	532.4	543.6	553.3	567.9	581.8	607.5	635.3	657.5	675.6	693.8
57.5°	478.5	483.2	489.6	498.4	512.8	529.1	547.2	571.8	584.9	594.1	608.2
60°	446.3	447.6	451.8	462.3	473.4	487.9	508.8	526.2	535.9	543.6	555.4
62.5°	410.6	411.0	417.9	425.5	433.9	449.6	466.5	480.6	488.7	492.4	503.6
65°	360.8	359.4	363.6	369.8	379.5	389.9	404.6	417.1	416.3	420.5	427.5
67.5°	309.8	308.4	308.4	314.3	322.3	331.5	341.6	348.8	348.9	354.5	358.0
70°	275.3	271.1	273.8	278.7	282.2	289.9	301.0	303.8	304.4	307.2	310.7
72.5°	239.7	238.3	240.5	242.6	245.0	250.9	260.4	262.1	262.2	263.9	269.6
75°	190.5	189.0	187.7	189.8	192.5	196.7	200.2	203.0	202.2	203.0	207.1
77.5°	142.8	138.8	138.2	139.3	140.0	142.5	146.2	145.8	146.5	146.4	151.1
80°	113.3	107.7	107.0	107.0	107.7	109.1	110.5	111.9	109.9	111.9	113.3
82.5°	83.3	79.9	79.8	79.3	79.4	79.6	80.5	81.3	80.9	81.9	82.8
85°	45.8	44.5	42.4	43.8	43.1	41.0	42.4	40.3	39.6	40.3	41.0
87.5°	17.8	18.3	16.9	16.8	16.0	16.3	15.0	14.2	13.4	13.7	15.2
90°	11.3	10.6	9.5	8.6	7.5	6.5	5.4	4.2	3.0	1.9	0.6
92.5°	26.4	25.4	24.2	22.9	21.7	20.3	19.4	18.5	17.7	16.9	16.1
95°	52.0	51.0	49.5	48.1	46.5	45.1	44.2	43.9	43.6	43.3	43.1
97.5°	82.1	81.1	79.1	77.1	75.1	73.0	72.0	71.9	71.7	71.6	71.5
100°	102.6	101.3	99.3	97.5	95.5	93.6	92.6	92.6	92.6	92.6	92.6
102.5°	123.9	122.4	121.5	120.6	119.6	118.6	117.8	117.2	116.6	116.0	115.5
105°	159.1	158.2	157.3	156.4	155.6	154.7	153.9	153.1	152.4	151.7	151.0
107.5°	196.9	196.4	195.8	195.1	194.5	193.8	193.1	192.3	191.6	190.8	190.1
110°	222.8	222.4	221.9	221.5	221.1	220.6	220.1	219.4	218.6	217.8	217.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	249.1	248.9	248.3	247.8	247.2	246.6	246.2	245.8	245.4	245.0	244.7
115°	289.1	289.3	289.0	288.6	288.4	288.1	287.7	287.0	286.5	285.9	285.3
117.5°	328.6	328.5	328.2	328.0	327.7	327.4	327.2	326.9	326.6	326.4	326.1
120°	355.4	355.4	355.3	355.2	355.0	354.9	354.5	353.7	352.9	352.2	351.5
122.5°	381.8	381.9	381.6	381.2	380.8	380.4	380.1	379.9	379.6	379.3	379.1
125°	420.7	421.0	420.9	420.7	420.5	420.4	419.9	419.0	418.1	417.2	416.3
127.5°	459.0	459.1	459.0	458.8	458.6	458.4	458.1	457.6	457.1	456.6	456.1
130°	484.4	484.6	484.3	483.9	483.7	483.4	482.9	482.1	481.4	480.6	479.9
132.5°	508.8	508.9	509.0	509.0	509.1	509.2	508.5	507.4	506.1	505.0	503.7
135°	546.1	546.1	546.0	545.8	545.6	545.5	545.0	544.1	543.2	542.3	541.4
137.5°	582.5	582.3	581.9	581.6	581.3	580.9	580.4	579.5	578.6	577.8	576.9
140°	605.3	605.0	604.6	604.1	603.7	603.2	602.7	601.9	601.2	600.5	599.8
142.5°	627.9	627.8	627.2	626.7	626.2	625.5	625.0	624.4	623.8	623.1	622.5
145°	660.7	660.7	660.2	659.8	659.3	658.9	658.4	657.7	657.2	656.6	656.0
147.5°	690.4	690.0	689.6	689.3	688.9	688.6	688.3	688.0	687.6	687.3	687.0
150°	709.6	709.6	709.0	708.5	707.8	707.3	707.0	707.2	707.3	707.5	707.7
152.5°	726.9	726.6	726.3	726.1	725.9	725.6	725.4	725.2	725.0	724.8	724.6
155°	751.9	751.4	751.2	751.0	750.9	750.7	750.6	750.6	750.6	750.6	750.6
157.5°	773.7	773.2	773.0	772.8	772.8	772.6	772.7	773.0	773.3	773.6	774.0
160°	787.0	786.4	786.2	786.1	786.0	785.8	786.0	786.4	786.8	787.3	787.7
162.5°	799.3	798.6	798.5	798.5	798.5	798.4	798.6	799.0	799.2	799.6	800.0
165°	816.1	815.6	815.4	815.2	815.1	814.9	815.0	815.3	815.6	815.9	816.2
167.5°	828.2	827.3	827.3	827.3	827.3	827.3	827.6	828.2	828.8	829.4	830.0
170°	835.6	834.7	834.7	834.7	834.7	834.7	835.0	835.6	836.2	836.8	837.4
172.5°	840.9	840.0	840.0	840.0	840.0	840.0	840.3	840.9	841.5	842.0	842.7
175°	846.9	846.0	846.0	846.0	846.0	846.0	846.2	846.9	847.5	848.0	848.6
177.5°	849.7	849.0	849.2	849.3	849.4	849.5	849.8	850.2	850.7	851.2	851.7
180°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6



TEST NUMBER: P333467-940

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1646.5	1654.4	1659.4	1668.8	1676.6	1681.1	1685.0	1688.3	1692.2	1695.5	1705.0
5°	1657.2	1675.2	1690.5	1714.1	1735.7	1752.4	1770.4	1786.5	1799.7	1818.4	1833.0
7.5°	1652.5	1684.6	1718.3	1754.9	1792.2	1827.0	1859.0	1888.9	1916.0	1948.8	1977.5
10°	1648.1	1691.9	1735.0	1784.3	1835.1	1878.2	1918.5	1959.5	1989.4	2031.1	2066.5
12.5°	1644.8	1696.3	1748.4	1807.7	1863.4	1924.3	1978.0	2007.9	2053.3	2086.7	2128.9
15°	1630.8	1698.9	1770.4	1837.2	1916.4	1972.7	2020.0	2078.4	2120.8	2163.2	2209.0
17.5°	1605.5	1682.7	1762.8	1850.2	1926.3	1986.7	2047.6	2104.0	2154.6	2211.4	2268.5
20°	1593.8	1671.1	1762.8	1852.4	1926.8	1990.1	2052.6	2114.5	2170.2	2243.1	2309.2
22.5°	1569.4	1662.7	1747.2	1834.7	1911.3	1980.0	2051.0	2121.2	2195.1	2277.6	2360.3
25°	1525.8	1620.3	1709.9	1796.2	1873.3	1959.5	2035.2	2129.1	2223.7	2332.8	2435.6
27.5°	1480.4	1570.9	1653.1	1736.3	1826.3	1924.0	2022.2	2128.7	2252.5	2390.2	2535.3
30°	1443.8	1529.2	1609.2	1694.7	1788.5	1898.4	2006.1	2132.6	2275.8	2430.8	2603.2
32.5°	1400.9	1479.7	1557.5	1648.0	1750.2	1866.1	1991.6	2130.4	2302.5	2478.6	2656.0
35°	1327.7	1393.7	1473.6	1570.2	1685.6	1818.4	1963.7	2127.7	2325.1	2527.4	2676.8
37.5°	1240.7	1302.3	1386.4	1492.4	1613.4	1755.9	1928.2	2122.9	2332.5	2493.8	2542.0
40°	1182.4	1239.4	1327.0	1436.8	1560.5	1711.4	1900.4	2106.2	2309.2	2412.0	2372.4
42.5°	1120.1	1179.9	1265.2	1373.9	1507.2	1671.3	1865.4	2071.2	2241.3	2280.2	2143.3
45°	1021.8	1083.7	1167.8	1277.6	1420.8	1598.7	1801.0	1988.0	2086.0	2015.8	1803.8
47.5°	930.5	988.5	1066.4	1179.7	1327.5	1511.5	1706.4	1855.6	1863.3	1695.8	1469.4
50°	868.2	921.7	1000.2	1113.6	1260.3	1446.5	1622.4	1739.8	1687.0	1497.3	1279.7
52.5°	807.0	859.4	936.8	1049.1	1194.1	1364.8	1528.4	1610.9	1511.3	1316.5	1130.7
55°	718.7	764.6	840.3	944.0	1081.6	1240.1	1379.1	1407.6	1278.3	1086.5	935.6
57.5°	632.6	675.4	744.3	839.7	965.5	1105.9	1214.6	1208.5	1071.8	907.2	787.6
60°	574.2	615.9	677.1	770.2	884.8	1005.8	1098.9	1076.7	941.2	799.4	698.6
62.5°	521.9	559.1	617.0	698.5	803.2	915.2	991.7	958.9	826.1	702.0	622.4
65°	444.9	476.2	525.5	595.0	681.9	774.4	833.4	791.0	677.7	581.1	517.2
67.5°	371.3	396.4	437.7	493.2	567.3	641.6	677.6	634.9	544.3	473.8	426.4
70°	324.6	346.9	378.8	428.2	492.8	555.4	582.5	544.3	466.5	405.9	371.8
72.5°	277.9	296.2	324.3	368.7	420.5	474.7	498.6	462.0	398.1	347.0	315.1
75°	214.8	227.3	246.7	277.3	318.3	361.5	374.7	342.7	301.7	263.4	242.6
77.5°	153.7	164.3	179.1	198.4	227.5	254.9	266.4	247.9	216.2	192.0	174.9
80°	118.2	123.8	136.3	152.2	175.1	192.5	200.2	188.4	166.1	148.0	134.8
82.5°	84.3	89.8	97.3	110.5	125.1	137.0	145.2	137.2	121.1	106.9	99.2
85°	41.0	44.5	48.7	54.2	65.4	72.3	71.6	66.7	60.5	54.9	50.7
87.5°	14.8	15.6	17.5	20.5	22.4	24.9	26.2	25.2	23.3	21.8	20.2
90°	1.9	3.0	4.2	5.4	6.5	7.5	8.6	9.5	10.6	11.3	12.0
92.5°	16.9	17.7	18.5	19.4	20.3	21.7	22.9	24.2	25.4	26.4	27.4
95°	43.3	43.6	43.9	44.2	45.1	46.5	48.1	49.5	51.0	52.0	53.1
97.5°	71.6	71.7	71.9	72.0	73.0	75.1	77.1	79.1	81.1	82.1	83.1
100°	92.6	92.6	92.6	92.6	93.6	95.5	97.5	99.3	101.3	102.6	103.9
102.5°	116.0	116.6	117.2	117.8	118.6	119.6	120.6	121.5	122.4	123.9	125.4
105°	151.7	152.4	153.1	153.9	154.7	155.6	156.4	157.3	158.2	159.1	160.0
107.5°	190.8	191.6	192.3	193.1	193.8	194.5	195.1	195.8	196.4	196.9	197.3
110°	217.8	218.6	219.4	220.1	220.6	221.1	221.5	221.9	222.4	222.8	223.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	245.0	245.4	245.8	246.2	246.6	247.2	247.8	248.3	248.9	249.1	249.3
115°	285.9	286.5	287.0	287.7	288.1	288.4	288.6	289.0	289.3	289.1	289.0
117.5°	326.4	326.6	326.9	327.2	327.4	327.7	328.0	328.2	328.5	328.6	328.7
120°	352.2	352.9	353.7	354.5	354.9	355.0	355.2	355.3	355.4	355.4	355.4
122.5°	379.3	379.6	379.9	380.1	380.4	380.8	381.2	381.6	381.9	381.8	381.7
125°	417.2	418.1	419.0	419.9	420.4	420.5	420.7	420.9	421.0	420.7	420.4
127.5°	456.6	457.1	457.6	458.1	458.4	458.6	458.8	459.0	459.1	459.0	458.9
130°	480.6	481.4	482.1	482.9	483.4	483.7	483.9	484.3	484.6	484.4	484.3
132.5°	505.0	506.1	507.4	508.5	509.2	509.1	509.0	509.0	508.9	508.8	508.6
135°	542.3	543.2	544.1	545.0	545.5	545.6	545.8	546.0	546.1	546.1	546.1
137.5°	577.8	578.6	579.5	580.4	580.9	581.3	581.6	581.9	582.3	582.5	582.6
140°	600.5	601.2	601.9	602.7	603.2	603.7	604.1	604.6	605.0	605.3	605.6
142.5°	623.1	623.8	624.4	625.0	625.5	626.2	626.7	627.2	627.8	627.9	628.1
145°	656.6	657.2	657.7	658.4	658.9	659.3	659.8	660.2	660.7	660.7	660.7
147.5°	687.3	687.6	688.0	688.3	688.6	688.9	689.3	689.6	690.0	690.4	690.7
150°	707.5	707.3	707.2	707.0	707.3	707.8	708.5	709.0	709.6	709.6	709.6
152.5°	724.8	725.0	725.2	725.4	725.6	725.9	726.1	726.3	726.6	726.9	727.3
155°	750.6	750.6	750.6	750.6	750.7	750.9	751.0	751.2	751.4	751.9	752.5
157.5°	773.6	773.3	773.0	772.7	772.6	772.8	772.8	773.0	773.2	773.7	774.4
160°	787.3	786.8	786.4	786.0	785.8	786.0	786.1	786.2	786.4	787.0	787.6
162.5°	799.6	799.2	799.0	798.6	798.4	798.5	798.5	798.5	798.6	799.3	800.0
165°	815.9	815.6	815.3	815.0	814.9	815.1	815.2	815.4	815.6	816.1	816.7
167.5°	829.4	828.8	828.2	827.6	827.3	827.3	827.3	827.3	827.3	828.2	829.1
170°	836.8	836.2	835.6	835.0	834.7	834.7	834.7	834.7	834.7	835.6	836.5
172.5°	842.0	841.5	840.9	840.3	840.0	840.0	840.0	840.0	840.0	840.9	841.8
175°	848.0	847.5	846.9	846.2	846.0	846.0	846.0	846.0	846.0	846.9	847.7
177.5°	851.2	850.7	850.2	849.8	849.5	849.4	849.3	849.2	849.0	849.7	850.4
180°	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6	850.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1712.7	1717.2	1726.6	1723.3	1727.8	1730.0	1732.2
5°	1851.1	1873.3	1883.0	1881.7	1896.2	1892.7	1889.3
7.5°	2007.3	2030.7	2043.8	2060.0	2069.5	2070.2	2078.4
10°	2095.8	2126.4	2138.9	2156.2	2167.4	2173.6	2172.9
12.5°	2163.6	2187.5	2215.5	2224.1	2239.1	2247.0	2244.1
15°	2245.2	2283.4	2312.7	2327.2	2346.0	2351.5	2359.2
17.5°	2318.1	2369.4	2403.4	2448.7	2465.8	2476.3	2470.1
20°	2373.1	2440.5	2474.6	2528.8	2558.7	2574.7	2569.1
22.5°	2438.2	2511.1	2574.1	2621.1	2666.6	2688.2	2692.6
25°	2549.7	2649.7	2742.2	2804.1	2860.3	2873.5	2902.8
27.5°	2674.2	2792.2	2891.1	2956.2	2995.3	3010.1	3019.2
30°	2752.6	2870.1	2944.5	2986.2	2998.7	2997.3	2995.9
32.5°	2791.0	2864.5	2878.9	2867.2	2838.6	2814.3	2789.1
35°	2736.7	2681.7	2599.7	2494.0	2416.2	2337.6	2330.0
37.5°	2461.2	2285.6	2149.1	1996.6	1908.6	1854.3	1816.8
40°	2202.1	2002.6	1837.2	1708.6	1618.9	1583.5	1548.7
42.5°	1920.7	1730.1	1583.6	1476.1	1408.7	1369.4	1341.8
45°	1560.5	1392.3	1277.6	1199.8	1146.2	1115.6	1098.2
47.5°	1278.7	1154.3	1056.9	1000.7	963.7	940.0	940.0
50°	1127.5	1008.6	944.0	899.5	867.5	848.7	852.2
52.5°	993.5	904.6	849.4	812.2	788.5	776.9	776.6
55°	830.6	766.7	730.6	703.5	687.4	674.2	677.1
57.5°	710.5	656.6	632.4	609.9	598.8	593.5	585.9
60°	636.1	594.3	573.5	555.4	544.3	540.1	532.4
62.5°	569.9	537.1	516.7	502.0	492.0	490.6	484.6
65°	478.9	453.9	435.9	428.9	418.5	415.7	415.7
67.5°	394.8	376.9	362.8	356.4	351.9	352.6	349.2
70°	342.0	327.4	318.3	311.4	307.9	308.6	305.9
72.5°	299.2	282.9	275.0	270.8	266.3	268.0	266.9
75°	226.6	218.3	214.1	209.9	207.1	205.7	204.4
77.5°	166.4	159.1	155.9	153.5	153.9	150.5	153.2
80°	128.6	122.3	120.3	116.8	116.1	116.1	115.4
82.5°	94.1	90.6	89.1	86.2	85.0	86.1	84.3
85°	48.7	45.8	45.2	45.2	43.8	42.4	45.8
87.5°	20.3	18.3	18.4	17.9	18.0	17.6	16.5
90°	12.8	13.6	14.1	14.5	15.0	15.4	15.9
92.5°	28.4	29.3	30.0	30.3	30.6	30.9	31.2
95°	54.0	55.1	55.7	56.1	56.4	56.6	56.9
97.5°	84.1	85.1	85.6	85.8	86.0	86.1	86.3
100°	105.2	106.6	107.4	107.7	108.0	108.3	108.5
102.5°	126.8	128.2	129.1	129.6	130.0	130.4	130.8
105°	160.9	161.8	162.4	162.8	163.3	163.7	164.2
107.5°	197.8	198.2	198.4	198.4	198.4	198.3	198.3
110°	223.7	224.2	224.4	224.2	224.0	223.9	223.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	249.5	249.7	249.7	249.4	249.1	248.9	248.6
115°	288.8	288.6	288.6	288.4	288.3	288.1	287.9
117.5°	328.8	329.0	328.7	328.1	327.5	326.9	326.4
120°	355.4	355.4	355.2	354.6	354.0	353.4	352.8
122.5°	381.6	381.5	381.2	380.7	380.2	379.8	379.3
125°	420.1	419.8	419.6	419.5	419.3	419.2	419.0
127.5°	458.7	458.5	458.3	458.1	457.7	457.4	457.2
130°	484.1	483.9	483.8	483.5	483.1	482.9	482.6
132.5°	508.5	508.4	508.0	507.7	507.2	506.8	506.4
135°	546.1	546.1	545.8	545.2	544.7	544.0	543.5
137.5°	582.8	583.0	582.6	581.9	581.2	580.5	579.7
140°	605.9	606.2	606.0	605.3	604.5	603.8	603.1
142.5°	628.3	628.5	628.2	627.5	626.8	626.0	625.3
145°	660.7	660.7	660.4	660.0	659.5	659.1	658.6
147.5°	691.1	691.4	691.1	690.1	689.1	688.1	687.2
150°	709.6	709.6	709.4	709.2	708.9	708.6	708.3
152.5°	727.6	728.0	727.9	727.4	726.8	726.3	725.8
155°	753.0	753.7	753.6	752.9	752.2	751.4	750.6
157.5°	774.9	775.5	775.3	774.4	773.4	772.4	771.4
160°	788.2	788.7	788.7	787.9	787.2	786.5	785.8
162.5°	800.7	801.4	801.4	800.5	799.6	798.8	797.9
165°	817.3	817.9	817.7	816.9	816.0	815.1	814.2
167.5°	830.0	830.8	830.8	829.9	829.0	828.1	827.2
170°	837.4	838.3	838.2	837.1	836.2	835.1	834.1
172.5°	842.7	843.6	843.6	842.7	841.7	840.8	839.9
175°	848.6	849.5	849.4	848.4	847.4	846.3	845.3
177.5°	851.1	851.9	851.8	851.0	850.2	849.4	848.5
180°	850.6	850.6	850.6	850.6	850.6	850.6	850.6

(END OF REPORT)