

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

Luminaire Tested: **S125DIW-S1270D770U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333467
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-S1270D770U835-4F0-1E-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: 7846.3 lumens
Efficiency: N/A
Efficacy: 131.2 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

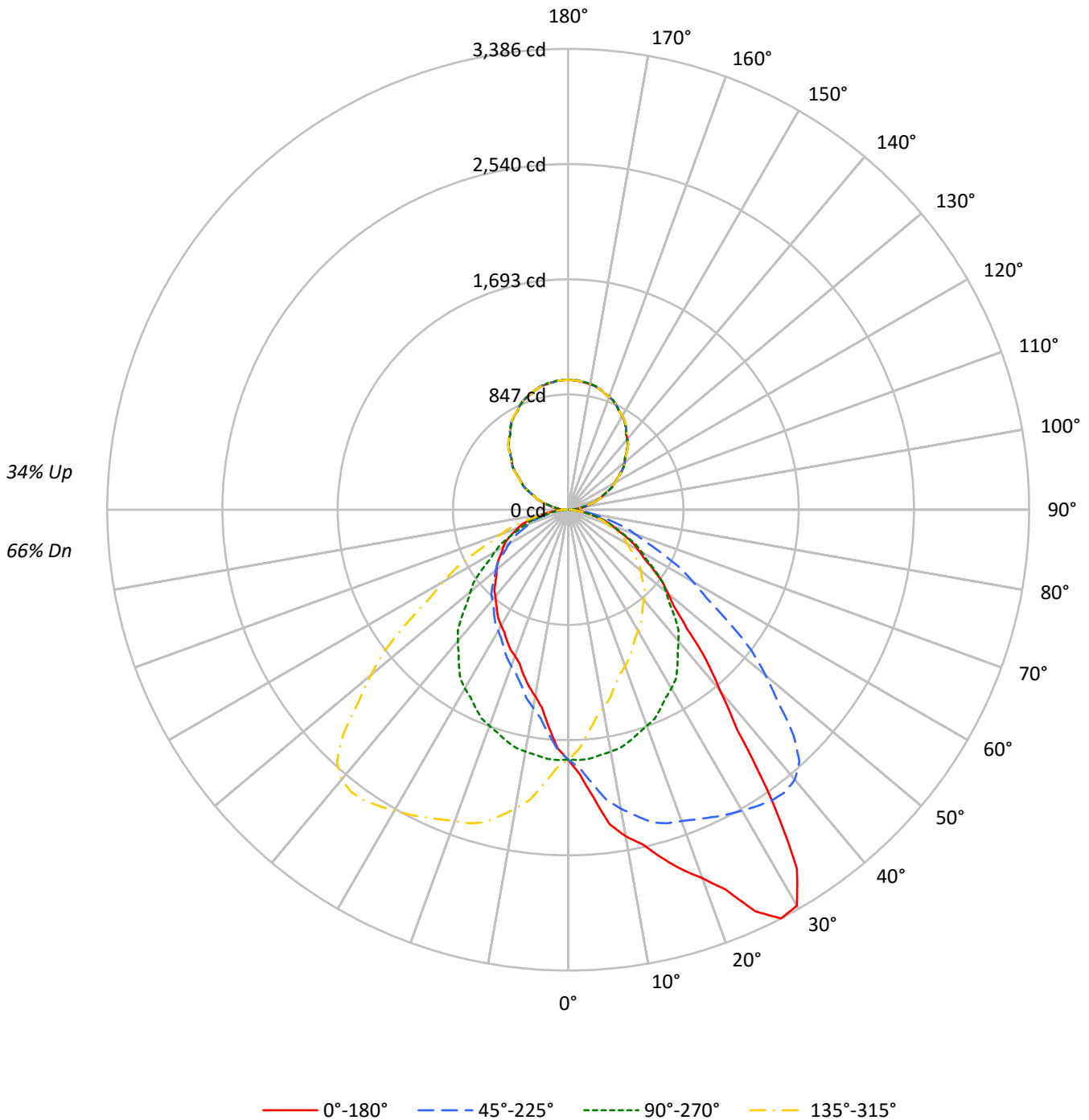
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11861	11861	11861	11861
5°	13736	11902	10421	11902
10°	15980	11840	9130	11840
15°	17690	11753	8423	11753
20°	19801	11615	7854	11615
25°	23197	11460	7577	11460
30°	25055	11307	7337	11307
35°	20601	11020	7179	11020
40°	14643	10620	7006	10620
45°	11249	10082	6906	10082
50°	9602	9414	6893	9414
55°	8550	8760	6952	8760
60°	7713	8045	7129	8045
65°	7124	7326	7314	7326
70°	6477	6579	7419	6579
75°	5719	5797	7354	5797
80°	4813	4727	6724	4727
85°	3809	3409	5432	3409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	2.3
10°-20°	526.4	6.7
20°-30°	854.8	10.9
30°-40°	1042.7	13.3
40°-50°	948.5	12.1
50°-60°	755.5	9.6
60°-70°	526.2	6.7
70°-80°	280.6	3.6
80°-90°	72.9	0.9
90°-100°	63.9	0.8
100°-110°	188.7	2.4
110°-120°	319.6	4.1
120°-130°	420.6	5.4
130°-140°	471.2	6.0
140°-150°	461.9	5.9
150°-160°	387.9	4.9
160°-170°	257.9	3.3
170°-180°	90.2	1.2
0°-30°	1558.0	19.9
0°-40°	2600.7	33.1
0°-60°	4304.7	54.9
0°-90°	5184.5	66.1
90°-120°	572.1	7.3
90°-150°	1925.8	24.5
90°-180°	2662.0	33.9
0°-180°	7846.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	2119	1836	1607	1836	2119	214
15°	2646	1758	1260	1758	2646	757
25°	3255	1608	1063	1608	3255	1487
35°	2613	1398	910	1398	2613	1599
45°	1232	1104	756	1104	1232	986
55°	759	778	617	778	759	684
65°	466	479	479	479	466	463
75°	229	232	295	232	229	247
85°	51	46	73	46	51	60
90°	18	1	18	1	18	12
95°	64	48	64	48	64	65
105°	184	169	184	169	184	195
115°	323	320	323	320	323	319
125°	470	467	470	467	470	420
135°	610	607	610	607	610	470
145°	739	736	739	736	739	461
155°	842	842	842	842	842	387
165°	913	915	913	915	913	257
175°	948	952	948	952	948	90
180°	954	954	954	954	954	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1942.6	1940.1	1937.6	1932.6	1936.3	1925.7	1920.7	1912.0	1901.4	1897.7	1893.3
5°	2118.7	2122.6	2126.5	2110.2	2111.7	2100.8	2075.9	2055.6	2039.2	2018.2	2003.4
7.5°	2330.8	2321.6	2320.8	2310.2	2292.0	2277.3	2251.1	2217.7	2185.5	2148.7	2118.3
10°	2436.8	2437.6	2430.6	2418.1	2398.6	2384.6	2350.3	2317.5	2277.8	2231.0	2197.5
12.5°	2516.6	2519.9	2511.0	2494.2	2484.6	2453.2	2426.3	2387.4	2340.1	2302.7	2251.7
15°	2645.7	2637.1	2630.9	2609.8	2593.5	2560.7	2517.9	2477.3	2425.9	2378.3	2330.8
17.5°	2770.1	2777.0	2765.3	2746.1	2695.3	2657.1	2599.6	2544.0	2480.0	2416.2	2359.5
20°	2881.1	2887.4	2869.4	2835.9	2775.1	2736.9	2661.3	2589.6	2515.5	2433.7	2371.3
22.5°	3019.6	3014.6	2990.4	2939.4	2886.7	2816.1	2734.3	2646.9	2554.2	2461.7	2378.8
25°	3255.3	3222.5	3207.7	3144.6	3075.2	2971.5	2859.3	2731.4	2616.1	2493.7	2387.7
27.5°	3385.9	3375.6	3359.1	3315.2	3242.2	3131.3	2999.0	2843.2	2680.5	2526.0	2387.2
30°	3359.7	3361.3	3362.9	3348.8	3302.1	3218.6	3086.9	2919.3	2726.0	2552.2	2391.6
32.5°	3127.8	3156.1	3183.3	3215.4	3228.5	3212.4	3129.9	2978.6	2779.6	2582.1	2389.1
35°	2613.0	2621.5	2709.6	2796.9	2915.4	3007.4	3069.0	3001.9	2834.3	2607.5	2386.1
37.5°	2037.4	2079.5	2140.4	2239.1	2410.1	2563.2	2760.1	2850.7	2796.6	2615.8	2380.7
40°	1736.8	1775.8	1815.5	1916.1	2060.3	2245.8	2469.5	2660.5	2704.9	2589.6	2362.0
42.5°	1504.8	1535.7	1579.8	1655.4	1775.9	1940.2	2154.0	2403.6	2557.1	2513.5	2322.7
45°	1231.6	1251.1	1285.4	1345.5	1432.8	1561.4	1750.0	2022.9	2260.6	2339.3	2229.4
47.5°	1054.2	1054.1	1080.7	1122.2	1185.2	1294.5	1434.0	1647.8	1901.7	2089.6	2080.9
50°	955.7	951.8	972.8	1008.7	1058.6	1131.1	1264.4	1435.1	1679.1	1891.9	1951.1
52.5°	870.9	871.3	884.3	910.8	952.6	1014.5	1114.1	1268.0	1476.4	1694.8	1806.5
55°	759.3	756.1	770.9	788.9	819.3	859.8	931.5	1049.2	1218.4	1433.5	1578.5
57.5°	657.0	665.6	671.5	684.0	709.2	736.3	796.8	883.2	1017.4	1202.0	1355.3
60°	597.1	605.7	610.4	622.8	643.1	666.5	713.3	783.4	896.5	1055.5	1207.5
62.5°	543.5	550.2	551.7	563.0	579.5	602.3	639.1	698.0	787.3	926.4	1075.3
65°	466.2	466.2	469.3	481.0	488.8	509.0	537.1	580.0	651.7	760.0	887.1
67.5°	391.6	395.4	394.6	399.7	406.9	422.7	442.8	478.2	531.3	610.4	712.0
70°	343.0	346.1	345.3	349.2	357.0	367.2	383.5	417.0	455.2	523.1	610.4
72.5°	299.3	300.6	298.6	303.7	308.4	317.3	335.5	353.4	389.1	446.4	518.1
75°	229.2	230.7	232.3	235.4	240.1	244.8	254.1	272.1	295.4	338.3	384.3
77.5°	171.8	168.8	172.6	172.1	174.8	178.4	186.6	196.1	215.3	242.4	278.0
80°	129.4	130.2	130.2	131.0	134.9	137.2	144.2	151.2	166.0	186.3	211.3
82.5°	94.5	96.5	95.3	96.7	99.9	101.6	105.5	111.3	119.9	135.8	153.9
85°	51.4	47.6	49.1	50.7	50.7	51.4	54.6	56.9	61.6	67.8	74.8
87.5°	18.5	19.7	20.2	20.1	20.6	20.5	22.8	22.7	24.4	26.1	28.3
90°	17.8	17.3	16.8	16.3	15.8	15.2	14.4	13.5	12.7	11.9	10.7
92.5°	35.0	34.7	34.3	34.0	33.6	32.9	31.8	30.7	29.6	28.5	27.1
95°	63.8	63.5	63.2	62.9	62.5	61.8	60.6	59.5	58.3	57.2	55.5
97.5°	96.8	96.6	96.4	96.2	96.0	95.4	94.3	93.2	92.1	91.0	88.7
100°	121.7	121.4	121.1	120.8	120.4	119.5	118.0	116.5	115.1	113.6	111.4
102.5°	146.7	146.2	145.8	145.3	144.8	143.8	142.2	140.6	139.0	137.3	136.2
105°	184.1	183.6	183.1	182.6	182.1	181.4	180.4	179.4	178.4	177.4	176.4
107.5°	222.4	222.4	222.5	222.5	222.5	222.3	221.8	221.3	220.8	220.3	219.6
110°	250.9	251.1	251.2	251.4	251.6	251.4	250.9	250.4	249.9	249.4	248.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	278.8	279.1	279.4	279.7	280.0	280.0	279.8	279.6	279.4	279.1	278.5
115°	322.9	323.1	323.3	323.4	323.6	323.7	323.9	324.1	324.2	324.4	324.1
117.5°	366.0	366.6	367.3	368.0	368.6	368.9	368.7	368.6	368.5	368.4	368.1
120°	395.7	396.3	397.0	397.7	398.3	398.6	398.6	398.6	398.6	398.6	398.5
122.5°	425.4	425.9	426.4	426.9	427.5	427.8	427.9	428.1	428.2	428.3	427.9
125°	469.9	470.1	470.2	470.4	470.6	470.8	471.1	471.5	471.8	472.1	472.0
127.5°	512.7	513.0	513.3	513.7	514.0	514.2	514.4	514.6	514.7	514.9	514.7
130°	541.2	541.5	541.8	542.2	542.5	542.7	542.9	543.1	543.2	543.4	543.1
132.5°	567.9	568.4	568.8	569.3	569.7	570.1	570.2	570.4	570.6	570.7	570.8
135°	609.5	610.1	610.8	611.4	612.1	612.4	612.4	612.4	612.4	612.4	612.3
137.5°	650.1	651.0	651.8	652.6	653.4	653.8	653.6	653.4	653.2	653.0	652.6
140°	676.3	677.1	677.9	678.8	679.6	679.8	679.5	679.2	678.8	678.5	678.0
142.5°	701.2	702.0	702.9	703.7	704.5	704.8	704.6	704.4	704.2	704.0	703.4
145°	738.6	739.1	739.6	740.1	740.6	740.9	740.9	740.9	740.9	740.9	740.4
147.5°	770.6	771.7	772.8	773.9	775.0	775.4	775.0	774.6	774.2	773.8	773.4
150°	794.3	794.6	795.0	795.3	795.6	795.8	795.8	795.8	795.8	795.8	795.1
152.5°	813.9	814.5	815.1	815.7	816.3	816.4	816.0	815.6	815.2	814.8	814.5
155°	841.8	842.6	843.5	844.3	845.1	845.2	844.5	843.9	843.2	842.6	842.4
157.5°	865.1	866.2	867.3	868.4	869.5	869.7	869.0	868.4	867.7	867.1	866.9
160°	881.2	882.0	882.8	883.6	884.5	884.5	883.9	883.2	882.6	881.9	881.7
162.5°	894.8	895.8	896.7	897.7	898.7	898.7	897.9	897.2	896.4	895.6	895.5
165°	913.1	914.1	915.1	916.1	917.0	917.2	916.6	915.9	915.2	914.6	914.4
167.5°	927.6	928.7	929.7	930.7	931.7	931.7	930.8	929.8	928.8	927.8	927.8
170°	935.4	936.5	937.7	938.8	940.0	940.1	939.1	938.1	937.1	936.1	936.1
172.5°	941.9	942.9	943.9	945.0	946.0	946.0	945.0	944.0	943.0	942.0	942.0
175°	948.0	949.1	950.3	951.4	952.6	952.7	951.7	950.7	949.7	948.7	948.7
177.5°	951.5	952.5	953.4	954.3	955.2	955.3	954.5	953.7	952.9	952.1	952.3
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1889.6	1885.2	1880.2	1871.5	1860.9	1855.3	1846.5	1840.9	1829.7	1820.3	1810.4
5°	1985.4	1965.2	1946.5	1922.3	1895.8	1878.6	1858.4	1835.8	1812.4	1788.2	1761.7
7.5°	2084.8	2048.9	2009.9	1968.0	1927.0	1889.2	1853.2	1817.8	1784.8	1744.9	1711.1
10°	2151.5	2106.3	2057.9	2001.0	1945.7	1897.4	1848.2	1805.4	1761.7	1714.9	1673.6
12.5°	2218.2	2158.0	2089.7	2027.2	1960.7	1902.3	1844.5	1789.8	1734.9	1683.1	1635.0
15°	2265.3	2212.3	2149.1	2060.3	1985.4	1905.2	1828.8	1757.8	1691.6	1633.9	1573.1
17.5°	2296.3	2228.0	2160.2	2074.9	1976.9	1887.1	1800.5	1719.3	1644.6	1571.5	1512.9
20°	2301.9	2231.8	2160.8	2077.4	1976.9	1874.0	1787.4	1690.0	1609.7	1534.1	1462.4
22.5°	2300.1	2220.5	2143.4	2057.5	1959.4	1864.6	1760.0	1660.7	1573.5	1499.2	1424.3
25°	2282.4	2197.5	2100.8	2014.3	1917.6	1817.1	1711.1	1608.2	1519.3	1434.3	1360.3
27.5°	2267.8	2157.6	2048.1	1947.2	1853.9	1761.7	1660.2	1554.8	1456.3	1370.2	1300.4
30°	2249.7	2128.9	2005.7	1900.5	1804.6	1714.9	1619.1	1516.2	1413.3	1329.1	1254.3
32.5°	2233.5	2092.7	1962.7	1848.1	1746.6	1659.4	1571.0	1473.1	1372.1	1286.7	1211.8
35°	2202.2	2039.2	1890.3	1760.9	1652.6	1562.9	1488.9	1397.7	1304.9	1222.3	1150.6
37.5°	2162.4	1969.1	1809.3	1673.6	1554.8	1460.4	1391.4	1321.4	1232.4	1152.8	1087.9
40°	2131.2	1919.2	1750.0	1611.3	1488.1	1389.9	1326.0	1259.7	1185.7	1111.6	1043.0
42.5°	2091.9	1874.3	1690.2	1540.8	1418.9	1323.2	1256.1	1199.8	1134.5	1065.5	1001.8
45°	2019.7	1792.9	1593.3	1432.8	1309.6	1215.3	1145.9	1103.8	1054.7	989.2	935.4
47.5°	1913.6	1695.1	1488.7	1323.0	1195.9	1108.5	1043.5	1003.1	968.5	919.8	871.0
50°	1819.4	1622.2	1413.3	1248.8	1121.7	1033.6	973.6	937.0	907.4	869.9	828.6
52.5°	1714.0	1530.5	1339.1	1176.5	1050.6	963.8	905.0	872.8	848.1	821.3	780.6
55°	1546.6	1390.7	1212.9	1058.6	942.4	857.5	806.0	778.0	757.7	737.4	712.5
57.5°	1362.1	1240.2	1082.8	941.7	834.7	757.4	709.4	682.1	666.3	655.9	641.2
60°	1232.4	1128.0	992.3	863.7	759.3	690.7	643.9	622.8	609.6	601.0	590.1
62.5°	1112.1	1026.3	900.7	783.3	691.9	627.0	585.3	564.8	552.2	548.0	539.0
65°	934.6	868.4	764.7	667.3	589.3	534.0	498.9	479.4	471.6	466.9	467.7
67.5°	759.9	719.5	636.2	553.1	490.9	444.5	416.4	401.5	397.6	391.3	391.2
70°	653.2	622.8	552.7	480.2	424.8	389.0	364.0	348.4	344.5	341.4	340.7
72.5°	559.1	532.4	471.6	413.5	363.7	332.2	311.7	302.3	295.9	294.0	293.9
75°	420.2	405.4	357.0	311.0	276.7	254.9	240.9	232.3	227.6	226.8	227.6
77.5°	298.7	285.8	255.1	222.5	200.8	184.3	172.4	169.5	164.2	164.3	163.5
80°	224.5	215.9	196.4	170.7	152.8	138.8	132.5	127.1	125.5	123.2	125.5
82.5°	162.8	153.6	140.3	123.9	109.1	100.7	94.5	92.8	91.8	90.7	91.2
85°	80.3	81.1	73.3	60.8	54.6	49.9	46.0	46.0	45.2	44.4	45.2
87.5°	29.4	27.9	25.1	23.0	19.6	17.5	16.6	17.0	15.4	15.0	15.9
90°	9.6	8.4	7.3	6.0	4.7	3.4	2.1	0.7	2.1	3.4	4.7
92.5°	25.7	24.3	22.8	21.7	20.7	19.8	18.9	18.0	18.9	19.8	20.7
95°	53.9	52.2	50.6	49.6	49.2	48.9	48.6	48.3	48.6	48.9	49.2
97.5°	86.5	84.2	81.9	80.7	80.6	80.4	80.3	80.2	80.3	80.4	80.6
100°	109.3	107.1	105.0	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9
102.5°	135.2	134.1	133.0	132.1	131.4	130.8	130.1	129.5	130.1	130.8	131.4
105°	175.4	174.5	173.5	172.6	171.7	170.9	170.1	169.3	170.1	170.9	171.7
107.5°	218.8	218.1	217.3	216.5	215.7	214.9	214.0	213.2	214.0	214.9	215.7
110°	248.4	247.9	247.4	246.8	246.0	245.1	244.3	243.5	244.3	245.1	246.0



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CATALOG NUMBER: S125DIW-S1270D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	277.9	277.2	276.6	276.1	275.7	275.2	274.8	274.4	274.8	275.2	275.7
115°	323.7	323.4	323.1	322.6	321.9	321.3	320.6	320.0	320.6	321.3	321.9
117.5°	367.8	367.5	367.2	366.9	366.6	366.3	366.0	365.7	366.0	366.3	366.6
120°	398.3	398.1	398.0	397.5	396.7	395.8	395.0	394.2	395.0	395.8	396.7
122.5°	427.5	427.0	426.6	426.3	426.0	425.7	425.4	425.1	425.4	425.7	426.0
125°	471.8	471.6	471.5	470.9	469.9	468.9	467.9	466.9	467.9	468.9	469.9
127.5°	514.5	514.3	514.1	513.7	513.2	512.6	512.0	511.5	512.0	512.6	513.2
130°	542.7	542.4	542.1	541.5	540.7	539.9	539.0	538.2	539.0	539.9	540.7
132.5°	570.8	570.9	571.0	570.3	569.0	567.6	566.3	564.9	566.3	567.6	569.0
135°	612.1	611.9	611.8	611.2	610.2	609.2	608.2	607.2	608.2	609.2	610.2
137.5°	652.2	651.9	651.5	650.9	649.9	648.9	648.0	647.0	648.0	648.9	649.9
140°	677.5	677.0	676.5	675.9	675.0	674.2	673.4	672.6	673.4	674.2	675.0
142.5°	702.8	702.2	701.5	700.9	700.2	699.5	698.8	698.1	698.8	699.5	700.2
145°	739.9	739.4	738.9	738.3	737.6	737.0	736.3	735.7	736.3	737.0	737.6
147.5°	773.0	772.6	772.2	771.9	771.5	771.1	770.8	770.4	770.8	771.1	771.5
150°	794.5	793.8	793.2	792.9	793.1	793.2	793.4	793.6	793.4	793.2	793.1
152.5°	814.3	814.0	813.7	813.5	813.3	813.0	812.8	812.6	812.8	813.0	813.3
155°	842.2	842.1	841.9	841.8	841.8	841.8	841.8	841.8	841.8	841.8	841.8
157.5°	866.7	866.6	866.4	866.5	866.9	867.2	867.6	868.0	867.6	867.2	866.9
160°	881.6	881.4	881.2	881.4	881.9	882.4	882.9	883.4	882.9	882.4	881.9
162.5°	895.5	895.5	895.4	895.6	896.0	896.3	896.7	897.1	896.7	896.3	896.0
165°	914.2	914.1	913.9	914.0	914.3	914.7	915.0	915.3	915.0	914.7	914.3
167.5°	927.8	927.8	927.8	928.1	928.8	929.4	930.1	930.8	930.1	929.4	928.8
170°	936.1	936.1	936.1	936.4	937.1	937.7	938.4	939.1	938.4	937.7	937.1
172.5°	942.0	942.0	942.0	942.4	943.0	943.7	944.3	945.0	944.3	943.7	943.0
175°	948.7	948.7	948.7	949.0	949.7	950.4	951.0	951.7	951.0	950.4	949.7
177.5°	952.4	952.5	952.7	953.0	953.5	954.0	954.6	955.1	954.6	954.0	953.5
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333467

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1804.7	1797.9	1792.3	1779.8	1772.9	1763.6	1756.1	1764.2	1755.5	1759.2	1753.6
5°	1748.5	1726.6	1711.1	1688.4	1669.0	1651.0	1637.8	1635.4	1629.2	1626.1	1616.7
7.5°	1680.8	1653.5	1626.7	1597.1	1572.1	1546.7	1530.5	1517.1	1508.2	1496.5	1488.6
10°	1640.9	1604.3	1573.1	1537.2	1506.0	1478.8	1456.9	1446.0	1435.9	1421.1	1415.6
12.5°	1591.6	1553.7	1515.7	1477.4	1447.4	1417.0	1398.3	1381.8	1374.8	1358.1	1356.4
15°	1532.5	1475.6	1438.2	1399.2	1357.9	1333.0	1317.4	1299.5	1291.7	1280.0	1271.4
17.5°	1462.1	1411.2	1364.5	1324.1	1288.7	1267.7	1248.3	1236.0	1222.6	1215.0	1200.9
20°	1410.9	1362.6	1315.8	1273.0	1245.7	1221.5	1205.9	1194.2	1180.2	1176.3	1162.3
22.5°	1367.9	1314.6	1269.7	1233.7	1203.9	1176.6	1159.8	1151.8	1142.2	1130.2	1127.3
25°	1297.9	1242.6	1204.4	1168.5	1142.0	1117.1	1105.4	1095.2	1085.9	1077.3	1074.2
27.5°	1237.4	1188.0	1142.6	1110.2	1087.1	1064.4	1054.1	1041.8	1034.9	1028.0	1019.6
30°	1195.0	1144.3	1104.6	1073.4	1048.5	1028.2	1017.3	1008.7	1002.5	996.2	991.6
32.5°	1151.4	1104.4	1065.9	1035.4	1010.4	995.1	985.5	979.4	972.5	965.0	959.1
35°	1093.7	1042.2	1004.8	978.3	958.8	947.1	936.2	930.7	923.0	923.0	916.7
37.5°	1028.7	984.2	951.2	927.0	909.5	899.1	887.3	883.5	878.5	875.2	873.1
40°	990.0	948.7	917.5	893.3	874.6	866.0	856.7	850.5	847.3	843.4	841.9
42.5°	950.1	910.6	880.7	858.4	842.2	834.9	826.1	821.8	815.5	810.4	809.5
45°	889.4	851.2	824.0	806.0	792.0	783.4	778.0	768.6	765.5	759.3	758.5
47.5°	831.9	795.3	768.5	753.8	741.5	734.5	725.9	716.5	713.0	709.8	709.5
50°	788.9	755.4	730.4	716.4	704.7	694.6	686.0	679.7	677.4	677.4	679.0
52.5°	745.2	716.7	695.5	678.3	667.3	656.5	648.6	644.8	641.2	645.0	647.8
55°	681.3	652.5	636.9	620.5	609.6	597.1	593.2	591.7	589.3	595.6	598.7
57.5°	613.6	593.4	575.1	558.9	549.1	541.9	536.6	535.7	540.1	543.0	553.1
60°	570.6	547.2	530.9	518.4	506.7	502.0	500.5	498.9	502.0	510.6	523.8
62.5°	523.2	504.2	486.6	477.2	468.6	460.9	460.5	461.5	467.7	477.5	490.8
65°	453.7	437.3	425.6	414.7	407.7	403.0	404.6	407.7	414.7	428.0	442.8
67.5°	383.1	371.8	361.4	352.5	345.8	345.8	347.4	352.0	360.3	375.6	389.1
70°	337.5	325.1	316.5	312.6	307.1	304.0	308.7	316.5	323.5	337.5	349.2
72.5°	292.0	281.4	274.7	272.1	269.7	267.2	268.8	277.2	286.7	300.7	314.3
75°	224.5	220.6	215.9	212.8	210.5	212.0	213.6	221.4	229.2	244.0	259.6
77.5°	163.9	159.8	157.0	156.2	155.0	155.7	160.1	165.9	173.5	184.3	196.1
80°	123.9	122.4	120.8	120.0	120.0	120.8	127.1	131.0	138.0	148.1	157.5
82.5°	90.3	89.3	89.0	88.9	89.5	89.6	93.4	98.5	104.3	111.9	120.0
85°	47.6	46.0	48.3	49.1	47.6	49.9	51.4	54.6	56.9	60.8	64.7
87.5°	16.8	18.3	17.9	18.8	19.0	20.5	20.0	22.7	24.1	25.5	25.0
90°	6.0	7.3	8.4	9.6	10.7	11.9	12.7	13.5	14.4	15.2	15.8
92.5°	21.7	22.8	24.3	25.7	27.1	28.5	29.6	30.7	31.8	32.9	33.6
95°	49.6	50.6	52.2	53.9	55.5	57.2	58.3	59.5	60.6	61.8	62.5
97.5°	80.7	81.9	84.2	86.5	88.7	91.0	92.1	93.2	94.3	95.4	96.0
100°	103.9	105.0	107.1	109.3	111.4	113.6	115.1	116.5	118.0	119.5	120.4
102.5°	132.1	133.0	134.1	135.2	136.2	137.3	139.0	140.6	142.2	143.8	144.8
105°	172.6	173.5	174.5	175.4	176.4	177.4	178.4	179.4	180.4	181.4	182.1
107.5°	216.5	217.3	218.1	218.8	219.6	220.3	220.8	221.3	221.8	222.3	222.5
110°	246.8	247.4	247.9	248.4	248.9	249.4	249.9	250.4	250.9	251.4	251.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	276.1	276.6	277.2	277.9	278.5	279.1	279.4	279.6	279.8	280.0	280.0
115°	322.6	323.1	323.4	323.7	324.1	324.4	324.2	324.1	323.9	323.7	323.6
117.5°	366.9	367.2	367.5	367.8	368.1	368.4	368.5	368.6	368.7	368.9	368.6
120°	397.5	398.0	398.1	398.3	398.5	398.6	398.6	398.6	398.6	398.6	398.3
122.5°	426.3	426.6	427.0	427.5	427.9	428.3	428.2	428.1	427.9	427.8	427.5
125°	470.9	471.5	471.6	471.8	472.0	472.1	471.8	471.5	471.1	470.8	470.6
127.5°	513.7	514.1	514.3	514.5	514.7	514.9	514.7	514.6	514.4	514.2	514.0
130°	541.5	542.1	542.4	542.7	543.1	543.4	543.2	543.1	542.9	542.7	542.5
132.5°	570.3	571.0	570.9	570.8	570.8	570.7	570.6	570.4	570.2	570.1	569.7
135°	611.2	611.8	611.9	612.1	612.3	612.4	612.4	612.4	612.4	612.4	612.1
137.5°	650.9	651.5	651.9	652.2	652.6	653.0	653.2	653.4	653.6	653.8	653.4
140°	675.9	676.5	677.0	677.5	678.0	678.5	678.8	679.2	679.5	679.8	679.6
142.5°	700.9	701.5	702.2	702.8	703.4	704.0	704.2	704.4	704.6	704.8	704.5
145°	738.3	738.9	739.4	739.9	740.4	740.9	740.9	740.9	740.9	740.9	740.6
147.5°	771.9	772.2	772.6	773.0	773.4	773.8	774.2	774.6	775.0	775.4	775.0
150°	792.9	793.2	793.8	794.5	795.1	795.8	795.8	795.8	795.8	795.8	795.6
152.5°	813.5	813.7	814.0	814.3	814.5	814.8	815.2	815.6	816.0	816.4	816.3
155°	841.8	841.9	842.1	842.2	842.4	842.6	843.2	843.9	844.5	845.2	845.1
157.5°	866.5	866.4	866.6	866.7	866.9	867.1	867.7	868.4	869.0	869.7	869.5
160°	881.4	881.2	881.4	881.6	881.7	881.9	882.6	883.2	883.9	884.5	884.5
162.5°	895.6	895.4	895.5	895.5	895.5	895.6	896.4	897.2	897.9	898.7	898.7
165°	914.0	913.9	914.1	914.2	914.4	914.6	915.2	915.9	916.6	917.2	917.0
167.5°	928.1	927.8	927.8	927.8	927.8	927.8	928.8	929.8	930.8	931.7	931.7
170°	936.4	936.1	936.1	936.1	936.1	936.1	937.1	938.1	939.1	940.1	940.0
172.5°	942.4	942.0	942.0	942.0	942.0	942.0	943.0	944.0	945.0	946.0	946.0
175°	949.0	948.7	948.7	948.7	948.7	948.7	949.7	950.7	951.7	952.7	952.6
177.5°	953.0	952.7	952.5	952.4	952.3	952.1	952.9	953.7	954.5	955.3	955.2
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333467

CATALOG NUMBER: S125DIW-S1270D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1749.9	1754.2	1750.5	1755.5	1750.5	1754.2	1749.9	1753.6	1759.2	1755.5	1764.2
5°	1612.8	1605.8	1610.5	1607.4	1610.5	1605.8	1612.8	1616.7	1626.1	1629.2	1635.4
7.5°	1486.2	1479.5	1471.9	1468.3	1471.9	1479.5	1486.2	1488.6	1496.5	1508.2	1517.1
10°	1407.0	1398.5	1397.7	1392.2	1397.7	1398.5	1407.0	1415.6	1421.1	1435.9	1446.0
12.5°	1349.0	1341.1	1332.2	1329.9	1332.2	1341.1	1349.0	1356.4	1358.1	1374.8	1381.8
15°	1266.7	1260.5	1255.0	1259.7	1255.0	1260.5	1266.7	1271.4	1280.0	1291.7	1299.5
17.5°	1198.3	1193.1	1192.2	1186.4	1192.2	1193.1	1198.3	1200.9	1215.0	1222.6	1236.0
20°	1155.3	1151.4	1152.9	1142.8	1152.9	1151.4	1155.3	1162.3	1176.3	1180.2	1194.2
22.5°	1121.0	1113.3	1112.4	1110.4	1112.4	1113.3	1121.0	1127.3	1130.2	1142.2	1151.8
25°	1067.2	1063.3	1059.4	1063.3	1059.4	1063.3	1067.2	1074.2	1077.3	1085.9	1095.2
27.5°	1020.2	1015.6	1014.5	1014.9	1014.5	1015.6	1020.2	1019.6	1028.0	1034.9	1041.8
30°	991.6	983.8	984.5	983.8	984.5	983.8	991.6	991.6	996.2	1002.5	1008.7
32.5°	960.4	955.1	954.0	952.6	954.0	955.1	960.4	959.1	965.0	972.5	979.4
35°	914.4	914.4	910.5	910.5	910.5	914.4	914.4	916.7	923.0	923.0	930.7
37.5°	871.2	870.4	868.1	868.4	868.1	870.4	871.2	873.1	875.2	878.5	883.5
40°	838.8	838.0	835.6	831.0	835.6	838.0	838.8	841.9	843.4	847.3	850.5
42.5°	807.6	804.9	803.8	802.3	803.8	804.9	807.6	809.5	810.4	815.5	821.8
45°	758.5	758.5	756.9	756.1	756.9	758.5	758.5	758.5	759.3	765.5	768.6
47.5°	710.8	712.2	715.1	714.7	715.1	712.2	710.8	709.5	709.8	713.0	716.5
50°	682.1	682.9	685.2	686.0	685.2	682.9	682.1	679.0	677.4	677.4	679.7
52.5°	650.3	654.8	657.8	657.3	657.8	654.8	650.3	647.8	645.0	641.2	644.8
55°	605.7	611.1	616.6	617.4	616.6	611.1	605.7	598.7	595.6	589.3	591.7
57.5°	561.6	569.2	575.0	576.8	575.0	569.2	561.6	553.1	543.0	540.1	535.7
60°	531.6	541.8	548.8	551.9	548.8	541.8	531.6	523.8	510.6	502.0	498.9
62.5°	502.9	514.3	521.3	522.0	521.3	514.3	502.9	490.8	477.5	467.7	461.5
65°	456.0	467.7	473.9	478.6	473.9	467.7	456.0	442.8	428.0	414.7	407.7
67.5°	405.5	417.2	424.1	427.8	424.1	417.2	405.5	389.1	375.6	360.3	352.0
70°	368.7	380.4	389.8	392.9	389.8	380.4	368.7	349.2	337.5	323.5	316.5
72.5°	332.5	343.0	350.5	354.2	350.5	343.0	332.5	314.3	300.7	286.7	277.2
75°	269.7	283.7	290.8	294.7	290.8	283.7	269.7	259.6	244.0	229.2	221.4
77.5°	208.0	220.8	225.0	227.0	225.0	220.8	208.0	196.1	184.3	173.5	165.9
80°	166.8	174.6	180.1	180.8	180.1	174.6	166.8	157.5	148.1	138.0	131.0
82.5°	128.2	134.7	136.4	138.4	136.4	134.7	128.2	120.0	111.9	104.3	98.5
85°	70.2	73.3	74.1	73.3	74.1	73.3	70.2	64.7	60.8	56.9	54.6
87.5°	26.3	25.8	25.9	27.3	25.9	25.8	26.3	25.0	25.5	24.1	22.7
90°	16.3	16.8	17.3	17.8	17.3	16.8	16.3	15.8	15.2	14.4	13.5
92.5°	34.0	34.3	34.7	35.0	34.7	34.3	34.0	33.6	32.9	31.8	30.7
95°	62.9	63.2	63.5	63.8	63.5	63.2	62.9	62.5	61.8	60.6	59.5
97.5°	96.2	96.4	96.6	96.8	96.6	96.4	96.2	96.0	95.4	94.3	93.2
100°	120.8	121.1	121.4	121.7	121.4	121.1	120.8	120.4	119.5	118.0	116.5
102.5°	145.3	145.8	146.2	146.7	146.2	145.8	145.3	144.8	143.8	142.2	140.6
105°	182.6	183.1	183.6	184.1	183.6	183.1	182.6	182.1	181.4	180.4	179.4
107.5°	222.5	222.5	222.4	222.4	222.4	222.5	222.5	222.5	222.3	221.8	221.3
110°	251.4	251.2	251.1	250.9	251.1	251.2	251.4	251.6	251.4	250.9	250.4



TEST NUMBER: P333467

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	279.7	279.4	279.1	278.8	279.1	279.4	279.7	280.0	280.0	279.8	279.6
115°	323.4	323.3	323.1	322.9	323.1	323.3	323.4	323.6	323.7	323.9	324.1
117.5°	368.0	367.3	366.6	366.0	366.6	367.3	368.0	368.6	368.9	368.7	368.6
120°	397.7	397.0	396.3	395.7	396.3	397.0	397.7	398.3	398.6	398.6	398.6
122.5°	426.9	426.4	425.9	425.4	425.9	426.4	426.9	427.5	427.8	427.9	428.1
125°	470.4	470.2	470.1	469.9	470.1	470.2	470.4	470.6	470.8	471.1	471.5
127.5°	513.7	513.3	513.0	512.7	513.0	513.3	513.7	514.0	514.2	514.4	514.6
130°	542.2	541.8	541.5	541.2	541.5	541.8	542.2	542.5	542.7	542.9	543.1
132.5°	569.3	568.8	568.4	567.9	568.4	568.8	569.3	569.7	570.1	570.2	570.4
135°	611.4	610.8	610.1	609.5	610.1	610.8	611.4	612.1	612.4	612.4	612.4
137.5°	652.6	651.8	651.0	650.1	651.0	651.8	652.6	653.4	653.8	653.6	653.4
140°	678.8	677.9	677.1	676.3	677.1	677.9	678.8	679.6	679.8	679.5	679.2
142.5°	703.7	702.9	702.0	701.2	702.0	702.9	703.7	704.5	704.8	704.6	704.4
145°	740.1	739.6	739.1	738.6	739.1	739.6	740.1	740.6	740.9	740.9	740.9
147.5°	773.9	772.8	771.7	770.6	771.7	772.8	773.9	775.0	775.4	775.0	774.6
150°	795.3	795.0	794.6	794.3	794.6	795.0	795.3	795.6	795.8	795.8	795.8
152.5°	815.7	815.1	814.5	813.9	814.5	815.1	815.7	816.3	816.4	816.0	815.6
155°	844.3	843.5	842.6	841.8	842.6	843.5	844.3	845.1	845.2	844.5	843.9
157.5°	868.4	867.3	866.2	865.1	866.2	867.3	868.4	869.5	869.7	869.0	868.4
160°	883.6	882.8	882.0	881.2	882.0	882.8	883.6	884.5	884.5	883.9	883.2
162.5°	897.7	896.7	895.8	894.8	895.8	896.7	897.7	898.7	898.7	897.9	897.2
165°	916.1	915.1	914.1	913.1	914.1	915.1	916.1	917.0	917.2	916.6	915.9
167.5°	930.7	929.7	928.7	927.6	928.7	929.7	930.7	931.7	931.7	930.8	929.8
170°	938.8	937.7	936.5	935.4	936.5	937.7	938.8	940.0	940.1	939.1	938.1
172.5°	945.0	943.9	942.9	941.9	942.9	943.9	945.0	946.0	946.0	945.0	944.0
175°	951.4	950.3	949.1	948.0	949.1	950.3	951.4	952.6	952.7	951.7	950.7
177.5°	954.3	953.4	952.5	951.5	952.5	953.4	954.3	955.2	955.3	954.5	953.7
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333467

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1756.1	1763.6	1772.9	1779.8	1792.3	1797.9	1804.7	1810.4	1820.3	1829.7	1840.9
5°	1637.8	1651.0	1669.0	1688.4	1711.1	1726.6	1748.5	1761.7	1788.2	1812.4	1835.8
7.5°	1530.5	1546.7	1572.1	1597.1	1626.7	1653.5	1680.8	1711.1	1744.9	1784.8	1817.8
10°	1456.9	1478.8	1506.0	1537.2	1573.1	1604.3	1640.9	1673.6	1714.9	1761.7	1805.4
12.5°	1398.3	1417.0	1447.4	1477.4	1515.7	1553.7	1591.6	1635.0	1683.1	1734.9	1789.8
15°	1317.4	1333.0	1357.9	1399.2	1438.2	1475.6	1532.5	1573.1	1633.9	1691.6	1757.8
17.5°	1248.3	1267.7	1288.7	1324.1	1364.5	1411.2	1462.1	1512.9	1571.5	1644.6	1719.3
20°	1205.9	1221.5	1245.7	1273.0	1315.8	1362.6	1410.9	1462.4	1534.1	1609.7	1690.0
22.5°	1159.8	1176.6	1203.9	1233.7	1269.7	1314.6	1367.9	1424.3	1499.2	1573.5	1660.7
25°	1105.4	1117.1	1142.0	1168.5	1204.4	1242.6	1297.9	1360.3	1434.3	1519.3	1608.2
27.5°	1054.1	1064.4	1087.1	1110.2	1142.6	1188.0	1237.4	1300.4	1370.2	1456.3	1554.8
30°	1017.3	1028.2	1048.5	1073.4	1104.6	1144.3	1195.0	1254.3	1329.1	1413.3	1516.2
32.5°	985.5	995.1	1010.4	1035.4	1065.9	1104.4	1151.4	1211.8	1286.7	1372.1	1473.1
35°	936.2	947.1	958.8	978.3	1004.8	1042.2	1093.7	1150.6	1222.3	1304.9	1397.7
37.5°	887.3	899.1	909.5	927.0	951.2	984.2	1028.7	1087.9	1152.8	1232.4	1321.4
40°	856.7	866.0	874.6	893.3	917.5	948.7	990.0	1043.0	1111.6	1185.7	1259.7
42.5°	826.1	834.9	842.2	858.4	880.7	910.6	950.1	1001.8	1065.5	1134.5	1199.8
45°	778.0	783.4	792.0	806.0	824.0	851.2	889.4	935.4	989.2	1054.7	1103.8
47.5°	725.9	734.5	741.5	753.8	768.5	795.3	831.9	871.0	919.8	968.5	1003.1
50°	686.0	694.6	704.7	716.4	730.4	755.4	788.9	828.6	869.9	907.4	937.0
52.5°	648.6	656.5	667.3	678.3	695.5	716.7	745.2	780.6	821.3	848.1	872.8
55°	593.2	597.1	609.6	620.5	636.9	652.5	681.3	712.5	737.4	757.7	778.0
57.5°	536.6	541.9	549.1	558.9	575.1	593.4	613.6	641.2	655.9	666.3	682.1
60°	500.5	502.0	506.7	518.4	530.9	547.2	570.6	590.1	601.0	609.6	622.8
62.5°	460.5	460.9	468.6	477.2	486.6	504.2	523.2	539.0	548.0	552.2	564.8
65°	404.6	403.0	407.7	414.7	425.6	437.3	453.7	467.7	466.9	471.6	479.4
67.5°	347.4	345.8	345.8	352.5	361.4	371.8	383.1	391.2	391.3	397.6	401.5
70°	308.7	304.0	307.1	312.6	316.5	325.1	337.5	340.7	341.4	344.5	348.4
72.5°	268.8	267.2	269.7	272.1	274.7	281.4	292.0	293.9	294.0	295.9	302.3
75°	213.6	212.0	210.5	212.8	215.9	220.6	224.5	227.6	226.8	227.6	232.3
77.5°	160.1	155.7	155.0	156.2	157.0	159.8	163.9	163.5	164.3	164.2	169.5
80°	127.1	120.8	120.0	120.0	120.8	122.4	123.9	125.5	123.2	125.5	127.1
82.5°	93.4	89.6	89.5	88.9	89.0	89.3	90.3	91.2	90.7	91.8	92.8
85°	51.4	49.9	47.6	49.1	48.3	46.0	47.6	45.2	44.4	45.2	46.0
87.5°	20.0	20.5	19.0	18.8	17.9	18.3	16.8	15.9	15.0	15.4	17.0
90°	12.7	11.9	10.7	9.6	8.4	7.3	6.0	4.7	3.4	2.1	0.7
92.5°	29.6	28.5	27.1	25.7	24.3	22.8	21.7	20.7	19.8	18.9	18.0
95°	58.3	57.2	55.5	53.9	52.2	50.6	49.6	49.2	48.9	48.6	48.3
97.5°	92.1	91.0	88.7	86.5	84.2	81.9	80.7	80.6	80.4	80.3	80.2
100°	115.1	113.6	111.4	109.3	107.1	105.0	103.9	103.9	103.9	103.9	103.9
102.5°	139.0	137.3	136.2	135.2	134.1	133.0	132.1	131.4	130.8	130.1	129.5
105°	178.4	177.4	176.4	175.4	174.5	173.5	172.6	171.7	170.9	170.1	169.3
107.5°	220.8	220.3	219.6	218.8	218.1	217.3	216.5	215.7	214.9	214.0	213.2
110°	249.9	249.4	248.9	248.4	247.9	247.4	246.8	246.0	245.1	244.3	243.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	279.4	279.1	278.5	277.9	277.2	276.6	276.1	275.7	275.2	274.8	274.4
115°	324.2	324.4	324.1	323.7	323.4	323.1	322.6	321.9	321.3	320.6	320.0
117.5°	368.5	368.4	368.1	367.8	367.5	367.2	366.9	366.6	366.3	366.0	365.7
120°	398.6	398.6	398.5	398.3	398.1	398.0	397.5	396.7	395.8	395.0	394.2
122.5°	428.2	428.3	427.9	427.5	427.0	426.6	426.3	426.0	425.7	425.4	425.1
125°	471.8	472.1	472.0	471.8	471.6	471.5	470.9	469.9	468.9	467.9	466.9
127.5°	514.7	514.9	514.7	514.5	514.3	514.1	513.7	513.2	512.6	512.0	511.5
130°	543.2	543.4	543.1	542.7	542.4	542.1	541.5	540.7	539.9	539.0	538.2
132.5°	570.6	570.7	570.8	570.8	570.9	571.0	570.3	569.0	567.6	566.3	564.9
135°	612.4	612.4	612.3	612.1	611.9	611.8	611.2	610.2	609.2	608.2	607.2
137.5°	653.2	653.0	652.6	652.2	651.9	651.5	650.9	649.9	648.9	648.0	647.0
140°	678.8	678.5	678.0	677.5	677.0	676.5	675.9	675.0	674.2	673.4	672.6
142.5°	704.2	704.0	703.4	702.8	702.2	701.5	700.9	700.2	699.5	698.8	698.1
145°	740.9	740.9	740.4	739.9	739.4	738.9	738.3	737.6	737.0	736.3	735.7
147.5°	774.2	773.8	773.4	773.0	772.6	772.2	771.9	771.5	771.1	770.8	770.4
150°	795.8	795.8	795.1	794.5	793.8	793.2	792.9	793.1	793.2	793.4	793.6
152.5°	815.2	814.8	814.5	814.3	814.0	813.7	813.5	813.3	813.0	812.8	812.6
155°	843.2	842.6	842.4	842.2	842.1	841.9	841.8	841.8	841.8	841.8	841.8
157.5°	867.7	867.1	866.9	866.7	866.6	866.4	866.5	866.9	867.2	867.6	868.0
160°	882.6	881.9	881.7	881.6	881.4	881.2	881.4	881.9	882.4	882.9	883.4
162.5°	896.4	895.6	895.5	895.5	895.5	895.4	895.6	896.0	896.3	896.7	897.1
165°	915.2	914.6	914.4	914.2	914.1	913.9	914.0	914.3	914.7	915.0	915.3
167.5°	928.8	927.8	927.8	927.8	927.8	927.8	928.1	928.8	929.4	930.1	930.8
170°	937.1	936.1	936.1	936.1	936.1	936.1	936.4	937.1	937.7	938.4	939.1
172.5°	943.0	942.0	942.0	942.0	942.0	942.0	942.4	943.0	943.7	944.3	945.0
175°	949.7	948.7	948.7	948.7	948.7	948.7	949.0	949.7	950.4	951.0	951.7
177.5°	952.9	952.1	952.3	952.4	952.5	952.7	953.0	953.5	954.0	954.6	955.1
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333467

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1846.5	1855.3	1860.9	1871.5	1880.2	1885.2	1889.6	1893.3	1897.7	1901.4	1912.0
5°	1858.4	1878.6	1895.8	1922.3	1946.5	1965.2	1985.4	2003.4	2018.2	2039.2	2055.6
7.5°	1853.2	1889.2	1927.0	1968.0	2009.9	2048.9	2084.8	2118.3	2148.7	2185.5	2217.7
10°	1848.2	1897.4	1945.7	2001.0	2057.9	2106.3	2151.5	2197.5	2231.0	2277.8	2317.5
12.5°	1844.5	1902.3	1960.7	2027.2	2089.7	2158.0	2218.2	2251.7	2302.7	2340.1	2387.4
15°	1828.8	1905.2	1985.4	2060.3	2149.1	2212.3	2265.3	2330.8	2378.3	2425.9	2477.3
17.5°	1800.5	1887.1	1976.9	2074.9	2160.2	2228.0	2296.3	2359.5	2416.2	2480.0	2544.0
20°	1787.4	1874.0	1976.9	2077.4	2160.8	2231.8	2301.9	2371.3	2433.7	2515.5	2589.6
22.5°	1760.0	1864.6	1959.4	2057.5	2143.4	2220.5	2300.1	2378.8	2461.7	2554.2	2646.9
25°	1711.1	1817.1	1917.6	2014.3	2100.8	2197.5	2282.4	2387.7	2493.7	2616.1	2731.4
27.5°	1660.2	1761.7	1853.9	1947.2	2048.1	2157.6	2267.8	2387.2	2526.0	2680.5	2843.2
30°	1619.1	1714.9	1804.6	1900.5	2005.7	2128.9	2249.7	2391.6	2552.2	2726.0	2919.3
32.5°	1571.0	1659.4	1746.6	1848.1	1962.7	2092.7	2233.5	2389.1	2582.1	2779.6	2978.6
35°	1488.9	1562.9	1652.6	1760.9	1890.3	2039.2	2202.2	2386.1	2607.5	2834.3	3001.9
37.5°	1391.4	1460.4	1554.8	1673.6	1809.3	1969.1	2162.4	2380.7	2615.8	2796.6	2850.7
40°	1326.0	1389.9	1488.1	1611.3	1750.0	1919.2	2131.2	2362.0	2589.6	2704.9	2660.5
42.5°	1256.1	1323.2	1418.9	1540.8	1690.2	1874.3	2091.9	2322.7	2513.5	2557.1	2403.6
45°	1145.9	1215.3	1309.6	1432.8	1593.3	1792.9	2019.7	2229.4	2339.3	2260.6	2022.9
47.5°	1043.5	1108.5	1195.9	1323.0	1488.7	1695.1	1913.6	2080.9	2089.6	1901.7	1647.8
50°	973.6	1033.6	1121.7	1248.8	1413.3	1622.2	1819.4	1951.1	1891.9	1679.1	1435.1
52.5°	905.0	963.8	1050.6	1176.5	1339.1	1530.5	1714.0	1806.5	1694.8	1476.4	1268.0
55°	806.0	857.5	942.4	1058.6	1212.9	1390.7	1546.6	1578.5	1433.5	1218.4	1049.2
57.5°	709.4	757.4	834.7	941.7	1082.8	1240.2	1362.1	1355.3	1202.0	1017.4	883.2
60°	643.9	690.7	759.3	863.7	992.3	1128.0	1232.4	1207.5	1055.5	896.5	783.4
62.5°	585.3	627.0	691.9	783.3	900.7	1026.3	1112.1	1075.3	926.4	787.3	698.0
65°	498.9	534.0	589.3	667.3	764.7	868.4	934.6	887.1	760.0	651.7	580.0
67.5°	416.4	444.5	490.9	553.1	636.2	719.5	759.9	712.0	610.4	531.3	478.2
70°	364.0	389.0	424.8	480.2	552.7	622.8	653.2	610.4	523.1	455.2	417.0
72.5°	311.7	332.2	363.7	413.5	471.6	532.4	559.1	518.1	446.4	389.1	353.4
75°	240.9	254.9	276.7	311.0	357.0	405.4	420.2	384.3	338.3	295.4	272.1
77.5°	172.4	184.3	200.8	222.5	255.1	285.8	298.7	278.0	242.4	215.3	196.1
80°	132.5	138.8	152.8	170.7	196.4	215.9	224.5	211.3	186.3	166.0	151.2
82.5°	94.5	100.7	109.1	123.9	140.3	153.6	162.8	153.9	135.8	119.9	111.3
85°	46.0	49.9	54.6	60.8	73.3	81.1	80.3	74.8	67.8	61.6	56.9
87.5°	16.6	17.5	19.6	23.0	25.1	27.9	29.4	28.3	26.1	24.4	22.7
90°	2.1	3.4	4.7	6.0	7.3	8.4	9.6	10.7	11.9	12.7	13.5
92.5°	18.9	19.8	20.7	21.7	22.8	24.3	25.7	27.1	28.5	29.6	30.7
95°	48.6	48.9	49.2	49.6	50.6	52.2	53.9	55.5	57.2	58.3	59.5
97.5°	80.3	80.4	80.6	80.7	81.9	84.2	86.5	88.7	91.0	92.1	93.2
100°	103.9	103.9	103.9	103.9	105.0	107.1	109.3	111.4	113.6	115.1	116.5
102.5°	130.1	130.8	131.4	132.1	133.0	134.1	135.2	136.2	137.3	139.0	140.6
105°	170.1	170.9	171.7	172.6	173.5	174.5	175.4	176.4	177.4	178.4	179.4
107.5°	214.0	214.9	215.7	216.5	217.3	218.1	218.8	219.6	220.3	220.8	221.3
110°	244.3	245.1	246.0	246.8	247.4	247.9	248.4	248.9	249.4	249.9	250.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	274.8	275.2	275.7	276.1	276.6	277.2	277.9	278.5	279.1	279.4	279.6
115°	320.6	321.3	321.9	322.6	323.1	323.4	323.7	324.1	324.4	324.2	324.1
117.5°	366.0	366.3	366.6	366.9	367.2	367.5	367.8	368.1	368.4	368.5	368.6
120°	395.0	395.8	396.7	397.5	398.0	398.1	398.3	398.5	398.6	398.6	398.6
122.5°	425.4	425.7	426.0	426.3	426.6	427.0	427.5	427.9	428.3	428.2	428.1
125°	467.9	468.9	469.9	470.9	471.5	471.6	471.8	472.0	472.1	471.8	471.5
127.5°	512.0	512.6	513.2	513.7	514.1	514.3	514.5	514.7	514.9	514.7	514.6
130°	539.0	539.9	540.7	541.5	542.1	542.4	542.7	543.1	543.4	543.2	543.1
132.5°	566.3	567.6	569.0	570.3	571.0	570.9	570.8	570.8	570.7	570.6	570.4
135°	608.2	609.2	610.2	611.2	611.8	611.9	612.1	612.3	612.4	612.4	612.4
137.5°	648.0	648.9	649.9	650.9	651.5	651.9	652.2	652.6	653.0	653.2	653.4
140°	673.4	674.2	675.0	675.9	676.5	677.0	677.5	678.0	678.5	678.8	679.2
142.5°	698.8	699.5	700.2	700.9	701.5	702.2	702.8	703.4	704.0	704.2	704.4
145°	736.3	737.0	737.6	738.3	738.9	739.4	739.9	740.4	740.9	740.9	740.9
147.5°	770.8	771.1	771.5	771.9	772.2	772.6	773.0	773.4	773.8	774.2	774.6
150°	793.4	793.2	793.1	792.9	793.2	793.8	794.5	795.1	795.8	795.8	795.8
152.5°	812.8	813.0	813.3	813.5	813.7	814.0	814.3	814.5	814.8	815.2	815.6
155°	841.8	841.8	841.8	841.8	841.9	842.1	842.2	842.4	842.6	843.2	843.9
157.5°	867.6	867.2	866.9	866.5	866.4	866.6	866.7	866.9	867.1	867.7	868.4
160°	882.9	882.4	881.9	881.4	881.2	881.4	881.6	881.7	881.9	882.6	883.2
162.5°	896.7	896.3	896.0	895.6	895.4	895.5	895.5	895.5	895.6	896.4	897.2
165°	915.0	914.7	914.3	914.0	913.9	914.1	914.2	914.4	914.6	915.2	915.9
167.5°	930.1	929.4	928.8	928.1	927.8	927.8	927.8	927.8	927.8	928.8	929.8
170°	938.4	937.7	937.1	936.4	936.1	936.1	936.1	936.1	936.1	937.1	938.1
172.5°	944.3	943.7	943.0	942.4	942.0	942.0	942.0	942.0	942.0	943.0	944.0
175°	951.0	950.4	949.7	949.0	948.7	948.7	948.7	948.7	948.7	949.7	950.7
177.5°	954.6	954.0	953.5	953.0	952.7	952.5	952.4	952.3	952.1	952.9	953.7
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1920.7	1925.7	1936.3	1932.6	1937.6	1940.1	1942.6
5°	2075.9	2100.8	2111.7	2110.2	2126.5	2122.6	2118.7
7.5°	2251.1	2277.3	2292.0	2310.2	2320.8	2321.6	2330.8
10°	2350.3	2384.6	2398.6	2418.1	2430.6	2437.6	2436.8
12.5°	2426.3	2453.2	2484.6	2494.2	2511.0	2519.9	2516.6
15°	2517.9	2560.7	2593.5	2609.8	2630.9	2637.1	2645.7
17.5°	2599.6	2657.1	2695.3	2746.1	2765.3	2777.0	2770.1
20°	2661.3	2736.9	2775.1	2835.9	2869.4	2887.4	2881.1
22.5°	2734.3	2816.1	2886.7	2939.4	2990.4	3014.6	3019.6
25°	2859.3	2971.5	3075.2	3144.6	3207.7	3222.5	3255.3
27.5°	2999.0	3131.3	3242.2	3315.2	3359.1	3375.6	3385.9
30°	3086.9	3218.6	3302.1	3348.8	3362.9	3361.3	3359.7
32.5°	3129.9	3212.4	3228.5	3215.4	3183.3	3156.1	3127.8
35°	3069.0	3007.4	2915.4	2796.9	2709.6	2621.5	2613.0
37.5°	2760.1	2563.2	2410.1	2239.1	2140.4	2079.5	2037.4
40°	2469.5	2245.8	2060.3	1916.1	1815.5	1775.8	1736.8
42.5°	2154.0	1940.2	1775.9	1655.4	1579.8	1535.7	1504.8
45°	1750.0	1561.4	1432.8	1345.5	1285.4	1251.1	1231.6
47.5°	1434.0	1294.5	1185.2	1122.2	1080.7	1054.1	1054.2
50°	1264.4	1131.1	1058.6	1008.7	972.8	951.8	955.7
52.5°	1114.1	1014.5	952.6	910.8	884.3	871.3	870.9
55°	931.5	859.8	819.3	788.9	770.9	756.1	759.3
57.5°	796.8	736.3	709.2	684.0	671.5	665.6	657.0
60°	713.3	666.5	643.1	622.8	610.4	605.7	597.1
62.5°	639.1	602.3	579.5	563.0	551.7	550.2	543.5
65°	537.1	509.0	488.8	481.0	469.3	466.2	466.2
67.5°	442.8	422.7	406.9	399.7	394.6	395.4	391.6
70°	383.5	367.2	357.0	349.2	345.3	346.1	343.0
72.5°	335.5	317.3	308.4	303.7	298.6	300.6	299.3
75°	254.1	244.8	240.1	235.4	232.3	230.7	229.2
77.5°	186.6	178.4	174.8	172.1	172.6	168.8	171.8
80°	144.2	137.2	134.9	131.0	130.2	130.2	129.4
82.5°	105.5	101.6	99.9	96.7	95.3	96.5	94.5
85°	54.6	51.4	50.7	50.7	49.1	47.6	51.4
87.5°	22.8	20.5	20.6	20.1	20.2	19.7	18.5
90°	14.4	15.2	15.8	16.3	16.8	17.3	17.8
92.5°	31.8	32.9	33.6	34.0	34.3	34.7	35.0
95°	60.6	61.8	62.5	62.9	63.2	63.5	63.8
97.5°	94.3	95.4	96.0	96.2	96.4	96.6	96.8
100°	118.0	119.5	120.4	120.8	121.1	121.4	121.7
102.5°	142.2	143.8	144.8	145.3	145.8	146.2	146.7
105°	180.4	181.4	182.1	182.6	183.1	183.6	184.1
107.5°	221.8	222.3	222.5	222.5	222.5	222.4	222.4
110°	250.9	251.4	251.6	251.4	251.2	251.1	250.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	279.8	280.0	280.0	279.7	279.4	279.1	278.8
115°	323.9	323.7	323.6	323.4	323.3	323.1	322.9
117.5°	368.7	368.9	368.6	368.0	367.3	366.6	366.0
120°	398.6	398.6	398.3	397.7	397.0	396.3	395.7
122.5°	427.9	427.8	427.5	426.9	426.4	425.9	425.4
125°	471.1	470.8	470.6	470.4	470.2	470.1	469.9
127.5°	514.4	514.2	514.0	513.7	513.3	513.0	512.7
130°	542.9	542.7	542.5	542.2	541.8	541.5	541.2
132.5°	570.2	570.1	569.7	569.3	568.8	568.4	567.9
135°	612.4	612.4	612.1	611.4	610.8	610.1	609.5
137.5°	653.6	653.8	653.4	652.6	651.8	651.0	650.1
140°	679.5	679.8	679.6	678.8	677.9	677.1	676.3
142.5°	704.6	704.8	704.5	703.7	702.9	702.0	701.2
145°	740.9	740.9	740.6	740.1	739.6	739.1	738.6
147.5°	775.0	775.4	775.0	773.9	772.8	771.7	770.6
150°	795.8	795.8	795.6	795.3	795.0	794.6	794.3
152.5°	816.0	816.4	816.3	815.7	815.1	814.5	813.9
155°	844.5	845.2	845.1	844.3	843.5	842.6	841.8
157.5°	869.0	869.7	869.5	868.4	867.3	866.2	865.1
160°	883.9	884.5	884.5	883.6	882.8	882.0	881.2
162.5°	897.9	898.7	898.7	897.7	896.7	895.8	894.8
165°	916.6	917.2	917.0	916.1	915.1	914.1	913.1
167.5°	930.8	931.7	931.7	930.7	929.7	928.7	927.6
170°	939.1	940.1	940.0	938.8	937.7	936.5	935.4
172.5°	945.0	946.0	946.0	945.0	943.9	942.9	941.9
175°	951.7	952.7	952.6	951.4	950.3	949.1	948.0
177.5°	954.5	955.3	955.2	954.3	953.4	952.5	951.5
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9

(END OF REPORT)