

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: P333721-830

Luminaire Tested: **S125RDIW-S1270D470U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333721-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S1270D470U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

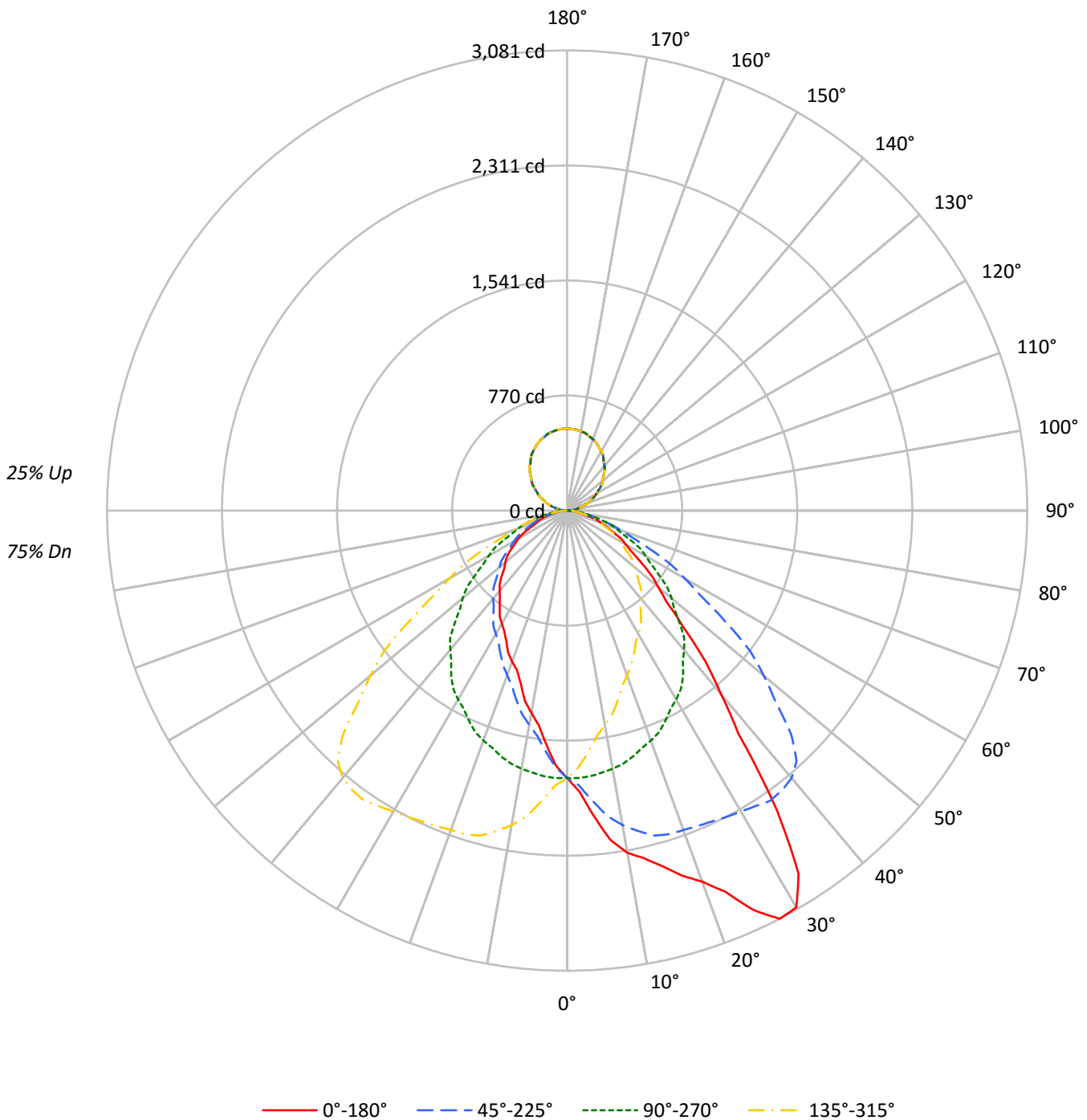
Lumens per Lamp: N/A  
Luminaire Lumens: 6170.1 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 52.4  
Input Voltage (V): 120  
Input Current (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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	104	100	96	93	99	95	92	89	87	84	82	79	77	75	71	70	68	65
2	95	88	82	77	90	84	79	74	77	72	69	70	66	63	63	61	58	55
3	87	78	70	65	83	74	68	62	68	63	58	62	58	54	57	53	50	47
4	80	69	61	55	76	66	59	54	61	55	50	56	51	47	51	47	44	41
5	74	62	54	48	70	60	52	46	55	48	44	50	45	41	46	42	38	36
6	68	56	48	42	65	54	46	41	50	43	38	46	40	36	42	38	34	32
7	63	51	43	37	60	49	41	36	45	39	34	42	36	32	38	34	30	28
8	59	46	38	33	56	45	37	32	41	35	31	38	33	29	35	31	27	25
9	55	42	35	30	52	41	34	29	38	32	27	35	30	26	33	28	25	23
10	51	39	32	27	49	38	31	26	35	29	25	33	27	24	30	26	23	21

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

	0°	90°	180°	270°
0°	11559	11559	11559	11559
5°	13299	11575	10222	11575
10°	15255	11516	9020	11516
15°	16477	11397	8017	11397
20°	18168	11260	7403	11260
25°	21026	11078	6869	11078
30°	22881	10887	6520	10887
35°	19301	10664	6199	10664
40°	13478	10264	5922	10264
45°	9999	9724	5650	9724
50°	7973	9161	5419	9161
55°	6767	8463	5212	8463
60°	5846	7839	4879	7839
65°	5210	7163	4199	7163
70°	4577	6562	3828	6562
75°	3960	5682	3593	5682
80°	3005	4783	3005	4783
85°	2505	3757	2831	3757



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.6	2.8
10°-20°	503.0	8.2
20°-30°	797.5	12.9
30°-40°	961.7	15.6
40°-50°	858.8	13.9
50°-60°	658.6	10.7
60°-70°	428.0	6.9
70°-80°	208.1	3.4
80°-90°	50.9	0.8
90°-100°	36.8	0.6
100°-110°	108.6	1.8
110°-120°	183.9	3.0
120°-130°	242.0	3.9
130°-140°	271.2	4.4
140°-150°	265.8	4.3
150°-160°	223.2	3.6
160°-170°	148.4	2.4
170°-180°	51.9	0.8
0°-30°	1472.1	23.9
0°-40°	2433.8	39.4
0°-60°	3951.3	64.0
0°-90°	4638.3	75.2
90°-120°	329.3	5.3
90°-150°	1108.3	18.0
90°-180°	1532.0	24.8
0°-180°	6170.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1790	1790	1790	1790	1790	
5°	2051	1785	1577	1785	2051	205
15°	2464	1705	1199	1705	2464	706
25°	2951	1555	964	1555	2951	1355
35°	2448	1353	786	1353	2448	1479
45°	1095	1065	619	1065	1095	874
55°	601	752	463	752	601	545
65°	341	469	275	469	341	339
75°	159	228	144	228	159	169
85°	34	51	38	51	34	39
90°	10	0	10	0	10	8
95°	37	28	37	28	37	37
105°	106	97	106	97	106	112
115°	186	184	186	184	186	184
125°	270	269	270	269	270	241
135°	351	349	351	349	351	271
145°	425	423	425	423	425	265
155°	484	484	484	484	484	223
165°	526	527	526	527	526	148
175°	546	548	546	548	546	52
180°	549	549	549	549	549	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1882.6	1881.5	1883.9	1877.4	1877.9	1867.9	1867.9	1860.3	1850.3	1842.7	1839.2
5°	2051.3	2052.9	2049.8	2038.8	2031.6	2020.5	2008.0	1985.9	1967.6	1949.9	1936.0
7.5°	2225.1	2226.1	2216.4	2213.0	2194.4	2180.9	2153.1	2123.2	2096.6	2062.8	2036.9
10°	2326.1	2325.4	2315.1	2307.1	2290.8	2270.3	2243.2	2207.8	2174.8	2138.1	2102.8
12.5°	2384.9	2383.0	2379.7	2369.9	2354.9	2336.8	2313.7	2279.0	2238.3	2198.0	2156.8
15°	2464.3	2459.1	2449.6	2437.0	2415.7	2394.4	2368.7	2337.9	2299.0	2253.4	2215.2
17.5°	2562.4	2562.6	2547.9	2530.5	2501.6	2464.0	2424.3	2374.5	2321.6	2271.4	2230.8
20°	2643.5	2641.3	2626.7	2592.8	2559.8	2512.7	2467.2	2406.2	2341.6	2276.1	2225.4
22.5°	2760.0	2754.2	2738.9	2694.5	2643.3	2582.7	2513.0	2438.5	2360.4	2286.1	2219.6
25°	2950.6	2946.2	2916.1	2864.7	2792.7	2699.3	2608.3	2506.1	2393.8	2296.0	2215.2
27.5°	3081.2	3076.3	3053.9	3011.2	2944.8	2846.6	2723.3	2586.8	2446.5	2312.1	2195.5
30°	3068.2	3079.2	3076.3	3056.5	3006.5	2918.3	2804.4	2650.9	2484.1	2326.1	2187.3
32.5°	2883.6	2893.5	2919.3	2958.3	2961.2	2925.9	2840.9	2699.1	2526.4	2346.7	2180.8
35°	2448.1	2461.4	2511.3	2589.9	2692.7	2778.7	2796.3	2720.0	2564.9	2371.7	2171.1
37.5°	1882.1	1954.4	1996.4	2079.2	2234.6	2392.7	2544.8	2600.8	2534.8	2361.4	2155.4
40°	1598.7	1616.4	1691.3	1784.6	1915.4	2080.0	2296.8	2453.2	2458.3	2337.9	2130.7
42.5°	1368.4	1390.7	1442.1	1516.6	1628.6	1793.2	2016.9	2223.5	2319.1	2273.2	2098.4
45°	1094.8	1111.6	1149.1	1206.5	1292.4	1428.3	1620.8	1859.5	2049.2	2123.4	2011.7
47.5°	899.3	908.4	941.0	984.7	1048.3	1147.4	1296.4	1503.6	1731.0	1890.5	1874.7
50°	793.5	803.8	828.8	861.9	915.5	999.2	1118.2	1290.9	1525.3	1720.0	1759.0
52.5°	711.2	719.7	735.3	766.6	810.9	875.2	971.3	1127.5	1338.4	1545.4	1635.5
55°	601.0	606.9	619.3	637.0	672.3	718.6	801.5	909.6	1080.1	1288.7	1421.0
57.5°	510.2	513.1	521.0	537.3	561.8	595.6	655.5	747.1	869.3	1057.2	1203.2
60°	452.6	455.5	465.8	476.8	496.0	526.8	573.8	637.7	755.3	910.3	1058.0
62.5°	406.7	408.5	412.9	424.0	440.7	464.5	501.5	553.6	647.1	783.3	922.8
65°	340.9	341.7	343.1	351.9	362.2	379.8	404.1	440.8	511.3	614.3	737.6
67.5°	277.8	278.7	283.9	287.0	297.7	307.0	321.2	349.3	399.0	468.3	564.3
70°	242.4	241.8	246.9	250.5	254.2	265.2	274.8	297.6	328.4	381.4	461.4
72.5°	209.5	207.6	209.8	211.1	216.0	223.5	233.1	247.0	270.8	307.3	368.5
75°	158.7	159.5	159.5	160.9	164.6	167.5	170.4	177.8	191.1	215.3	248.4
77.5°	111.4	110.2	113.3	113.8	115.9	119.1	121.7	124.6	130.1	140.1	157.1
80°	80.8	80.8	81.5	83.8	83.0	84.5	88.1	91.1	97.7	103.6	109.4
82.5°	62.0	61.5	62.1	62.6	62.5	63.9	65.2	65.8	68.3	71.3	75.4
85°	33.8	33.8	34.5	34.5	35.3	35.3	36.0	36.0	36.0	36.8	37.5
87.5°	15.0	14.3	13.7	13.7	14.1	15.3	14.6	13.9	13.8	13.7	14.1
90°	10.3	10.0	9.7	9.4	9.1	8.8	8.3	7.8	7.4	6.9	6.1
92.5°	20.2	20.0	19.7	19.5	19.3	18.9	18.3	17.6	17.1	16.4	15.6
95°	36.8	36.6	36.4	36.2	36.0	35.5	34.9	34.2	33.6	32.9	32.0
97.5°	55.7	55.6	55.5	55.3	55.2	54.9	54.3	53.6	53.0	52.4	51.1
100°	70.0	69.8	69.7	69.5	69.3	68.8	68.0	67.1	66.3	65.3	64.1
102.5°	84.5	84.2	83.9	83.6	83.3	82.8	81.8	80.9	79.9	79.0	78.4
105°	105.9	105.7	105.4	105.1	104.8	104.3	103.8	103.2	102.6	102.1	101.5
107.5°	128.0	128.0	128.0	128.1	128.1	127.9	127.6	127.3	127.1	126.8	126.4
110°	144.4	144.5	144.6	144.7	144.8	144.7	144.4	144.1	143.8	143.5	143.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	160.4	160.6	160.8	161.0	161.2	161.2	161.0	160.9	160.8	160.6	160.2
115°	185.9	186.0	186.1	186.2	186.2	186.3	186.4	186.5	186.6	186.7	186.5
117.5°	210.6	210.9	211.4	211.8	212.2	212.3	212.2	212.2	212.1	212.0	211.8
120°	227.7	228.1	228.5	228.8	229.2	229.4	229.4	229.4	229.4	229.4	229.3
122.5°	244.8	245.1	245.4	245.7	246.0	246.2	246.3	246.4	246.4	246.5	246.3
125°	270.4	270.5	270.6	270.7	270.8	271.0	271.2	271.4	271.5	271.7	271.6
127.5°	295.0	295.2	295.4	295.6	295.8	296.0	296.1	296.1	296.2	296.3	296.1
130°	311.4	311.6	311.8	312.0	312.2	312.4	312.5	312.5	312.6	312.7	312.5
132.5°	326.8	327.1	327.3	327.6	327.9	328.0	328.1	328.2	328.3	328.4	328.5
135°	350.7	351.1	351.5	351.9	352.2	352.4	352.4	352.4	352.4	352.4	352.3
137.5°	374.1	374.6	375.1	375.6	376.1	376.3	376.1	376.0	375.9	375.8	375.5
140°	389.2	389.6	390.1	390.6	391.1	391.2	391.1	390.9	390.7	390.5	390.2
142.5°	403.5	404.0	404.4	404.9	405.4	405.6	405.5	405.4	405.3	405.2	404.8
145°	425.1	425.4	425.7	425.9	426.2	426.3	426.3	426.3	426.3	426.3	426.0
147.5°	443.5	444.0	444.7	445.4	446.0	446.2	446.0	445.7	445.5	445.4	445.1
150°	457.1	457.3	457.5	457.7	457.9	458.0	458.0	458.0	458.0	458.0	457.6
152.5°	468.3	468.7	469.1	469.4	469.8	469.8	469.6	469.4	469.1	468.9	468.7
155°	484.5	484.9	485.4	485.9	486.4	486.4	486.0	485.6	485.2	484.8	484.7
157.5°	497.9	498.5	499.1	499.7	500.4	500.5	500.1	499.7	499.4	499.0	498.9
160°	507.1	507.6	508.0	508.5	509.0	509.1	508.7	508.3	507.9	507.5	507.4
162.5°	514.9	515.5	516.0	516.6	517.2	517.2	516.7	516.3	515.9	515.4	515.4
165°	525.5	526.0	526.6	527.2	527.7	527.8	527.4	527.1	526.7	526.3	526.2
167.5°	533.9	534.4	535.0	535.6	536.2	536.2	535.6	535.1	534.5	534.0	534.0
170°	538.3	538.9	539.6	540.3	540.9	541.0	540.4	539.8	539.2	538.7	538.7
172.5°	542.1	542.6	543.2	543.8	544.4	544.4	543.8	543.3	542.7	542.2	542.2
175°	545.5	546.2	546.9	547.5	548.2	548.3	547.7	547.1	546.5	545.9	545.9
177.5°	547.6	548.1	548.7	549.2	549.7	549.8	549.3	548.8	548.4	547.9	548.0
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1839.2	1835.0	1827.4	1820.3	1811.6	1803.9	1798.6	1792.2	1784.0	1774.0	1765.7
5°	1920.5	1904.4	1883.1	1864.7	1841.3	1822.9	1803.7	1785.4	1767.0	1743.5	1723.0
7.5°	2010.8	1977.5	1944.9	1904.1	1867.1	1834.0	1802.2	1770.1	1738.6	1705.2	1673.1
10°	2066.1	2025.6	1980.8	1929.4	1882.4	1837.6	1796.4	1756.0	1713.4	1675.9	1635.5
12.5°	2117.8	2065.6	2014.3	1949.4	1892.9	1838.1	1785.8	1735.4	1689.9	1641.2	1597.9
15°	2164.5	2113.1	2055.8	1976.4	1897.8	1831.6	1769.9	1704.6	1647.9	1593.7	1545.1
17.5°	2182.6	2128.6	2062.1	1985.8	1899.9	1816.7	1737.2	1665.5	1598.9	1535.6	1481.0
20°	2175.5	2123.4	2055.0	1982.3	1890.5	1803.7	1717.8	1638.4	1564.2	1497.3	1439.4
22.5°	2158.5	2104.5	2038.5	1961.7	1874.5	1782.6	1690.7	1606.1	1528.3	1459.2	1395.8
25°	2132.9	2059.5	1991.9	1916.8	1833.9	1742.8	1647.9	1554.6	1471.7	1401.1	1332.1
27.5°	2106.3	2014.6	1928.6	1854.2	1766.4	1685.2	1593.7	1498.1	1410.8	1339.0	1268.1
30°	2082.2	1979.3	1884.5	1800.1	1717.0	1639.9	1553.2	1459.9	1370.3	1296.1	1224.1
32.5°	2052.2	1942.9	1838.7	1741.3	1661.2	1584.7	1506.2	1417.0	1329.7	1253.1	1180.0
35°	2014.6	1875.0	1761.9	1658.3	1569.3	1495.2	1424.7	1352.6	1265.2	1185.8	1114.6
37.5°	1965.2	1806.9	1675.9	1563.0	1469.3	1394.8	1339.1	1273.3	1193.4	1117.5	1051.4
40°	1935.2	1757.5	1614.2	1502.5	1404.0	1325.4	1273.3	1217.5	1144.7	1073.5	1007.3
42.5°	1895.3	1712.2	1551.9	1435.5	1336.4	1260.7	1208.1	1159.2	1098.3	1031.1	960.3
45°	1816.9	1624.5	1456.2	1331.3	1231.4	1157.2	1108.0	1064.6	1018.3	956.6	894.8
47.5°	1715.0	1533.0	1356.9	1220.5	1122.7	1053.8	1006.0	971.8	938.7	886.2	826.2
50°	1633.3	1457.7	1285.7	1153.5	1049.1	983.8	939.0	911.8	881.7	833.9	783.9
52.5°	1536.9	1380.1	1211.7	1076.5	978.1	916.8	873.7	846.6	821.7	782.8	735.2
55°	1385.0	1247.5	1093.3	970.5	880.2	818.5	777.3	751.6	737.0	703.9	666.4
57.5°	1209.7	1111.2	975.2	856.9	776.9	716.0	685.8	663.9	647.3	624.0	597.5
60°	1087.4	1018.3	896.4	783.9	710.5	652.4	625.3	606.9	591.4	571.7	551.0
62.5°	963.4	913.1	807.0	710.5	642.9	594.3	568.8	552.2	534.4	521.0	501.1
65°	797.2	752.3	678.9	603.2	540.7	501.8	483.4	468.7	457.7	443.0	429.0
67.5°	620.1	601.9	551.2	499.0	454.2	419.5	403.7	393.4	380.1	371.4	361.7
70°	511.3	502.6	466.6	432.1	390.1	366.6	351.9	347.5	331.4	322.5	315.9
72.5°	415.0	410.9	390.1	366.2	336.7	316.0	302.6	297.6	287.3	280.2	276.0
75°	284.4	285.8	282.1	266.7	255.7	242.4	230.7	227.7	220.5	214.5	210.8
77.5°	179.8	187.4	187.7	186.9	182.5	174.5	169.6	167.4	160.1	158.0	157.1
80°	123.5	131.5	138.8	138.1	136.7	134.5	130.8	128.6	124.9	122.7	121.2
82.5°	82.3	89.8	96.0	99.9	99.6	97.5	94.9	93.9	93.1	91.5	91.2
85°	38.9	40.4	42.6	47.8	51.5	52.1	51.5	50.7	48.4	49.2	50.0
87.5°	14.6	14.5	15.0	14.8	14.0	16.9	18.5	18.9	17.9	16.9	15.8
90°	5.5	4.8	4.1	3.5	2.7	2.0	1.2	0.5	1.2	2.0	2.7
92.5°	14.8	13.9	13.1	12.4	12.0	11.4	10.8	10.4	10.8	11.4	12.0
95°	31.0	30.1	29.1	28.6	28.4	28.2	28.0	27.8	28.0	28.2	28.4
97.5°	49.8	48.4	47.1	46.5	46.4	46.3	46.2	46.1	46.2	46.3	46.4
100°	62.9	61.6	60.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
102.5°	77.8	77.2	76.5	76.1	75.7	75.3	74.8	74.5	74.8	75.3	75.7
105°	100.9	100.4	99.8	99.3	98.8	98.3	97.8	97.4	97.8	98.3	98.8
107.5°	125.9	125.5	125.1	124.6	124.1	123.7	123.2	122.7	123.2	123.7	124.1
110°	143.0	142.7	142.4	142.0	141.6	141.1	140.6	140.2	140.6	141.1	141.6





TEST NUMBER: P333721-830

CATALOG NUMBER: S125RDIW-S1270D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	159.9	159.6	159.2	158.9	158.6	158.3	158.2	157.9	158.2	158.3	158.6
115°	186.3	186.2	186.0	185.7	185.3	184.9	184.5	184.1	184.5	184.9	185.3
117.5°	211.6	211.5	211.3	211.1	210.9	210.8	210.6	210.5	210.6	210.8	210.9
120°	229.2	229.1	229.0	228.8	228.3	227.8	227.3	226.9	227.3	227.8	228.3
122.5°	246.0	245.7	245.5	245.2	245.2	245.0	244.8	244.6	244.8	245.0	245.2
125°	271.5	271.5	271.4	271.0	270.4	269.8	269.3	268.7	269.3	269.8	270.4
127.5°	296.1	296.0	295.9	295.7	295.3	295.0	294.6	294.4	294.6	295.0	295.3
130°	312.4	312.2	312.0	311.6	311.1	310.7	310.2	309.7	310.2	310.7	311.1
132.5°	328.5	328.6	328.6	328.2	327.4	326.7	325.8	325.1	325.8	326.7	327.4
135°	352.2	352.1	352.0	351.8	351.2	350.6	350.1	349.4	350.1	350.6	351.2
137.5°	375.3	375.1	374.9	374.6	374.0	373.4	372.9	372.3	372.9	373.4	374.0
140°	389.9	389.6	389.4	388.9	388.4	388.0	387.5	387.0	387.5	388.0	388.4
142.5°	404.4	404.1	403.7	403.3	402.9	402.6	402.1	401.7	402.1	402.6	402.9
145°	425.7	425.5	425.2	424.9	424.5	424.1	423.8	423.4	423.8	424.1	424.5
147.5°	444.9	444.6	444.4	444.2	443.9	443.7	443.6	443.4	443.6	443.7	443.9
150°	457.2	456.9	456.5	456.3	456.4	456.5	456.6	456.7	456.6	456.5	456.4
152.5°	468.6	468.4	468.3	468.2	468.0	467.9	467.8	467.6	467.8	467.9	468.0
155°	484.7	484.6	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5
157.5°	498.8	498.7	498.6	498.6	498.9	499.1	499.3	499.5	499.3	499.1	498.9
160°	507.3	507.2	507.1	507.2	507.5	507.7	508.1	508.4	508.1	507.7	507.5
162.5°	515.3	515.3	515.3	515.4	515.6	515.9	516.0	516.2	516.0	515.9	515.6
165°	526.1	526.0	525.9	525.9	526.1	526.3	526.5	526.7	526.5	526.3	526.1
167.5°	534.0	534.0	534.0	534.1	534.5	534.9	535.3	535.6	535.3	534.9	534.5
170°	538.7	538.7	538.7	538.9	539.2	539.6	540.0	540.4	540.0	539.6	539.2
172.5°	542.2	542.2	542.2	542.3	542.7	543.1	543.5	543.8	543.5	543.1	542.7
175°	545.9	545.9	545.9	546.1	546.5	546.9	547.2	547.7	547.2	546.9	546.5
177.5°	548.1	548.2	548.2	548.4	548.7	549.0	549.3	549.6	549.3	549.0	548.7
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333721-830

CATALOG NUMBER: S125RDIW-S1270D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1759.8	1751.6	1745.7	1733.9	1725.7	1722.2	1715.7	1713.9	1720.4	1715.7	1715.1
5°	1707.5	1686.2	1669.3	1652.4	1634.0	1622.3	1604.7	1601.7	1597.3	1590.6	1589.2
7.5°	1644.7	1617.0	1595.3	1567.4	1543.0	1523.5	1501.5	1491.0	1485.4	1476.8	1465.4
10°	1602.4	1569.3	1540.0	1512.0	1482.0	1457.7	1435.7	1418.7	1407.7	1397.4	1393.1
12.5°	1560.7	1527.0	1489.4	1455.7	1422.0	1394.8	1370.4	1359.4	1347.2	1335.1	1324.8
15°	1495.9	1451.0	1409.9	1371.0	1342.4	1313.0	1289.4	1273.3	1254.9	1249.8	1229.9
17.5°	1427.1	1383.2	1335.0	1294.0	1260.7	1228.4	1202.6	1184.2	1170.4	1151.5	1142.4
20°	1384.2	1332.1	1285.1	1247.5	1210.8	1172.6	1146.1	1130.8	1117.5	1102.1	1094.8
22.5°	1338.4	1287.4	1239.2	1195.2	1157.9	1120.3	1101.5	1085.5	1070.4	1056.2	1046.5
25°	1271.1	1219.7	1168.9	1123.4	1084.5	1057.2	1035.2	1016.8	1008.8	994.9	984.5
27.5°	1204.5	1149.8	1097.2	1051.8	1021.2	994.4	976.3	961.8	947.2	935.0	926.0
30°	1161.6	1105.8	1048.5	1012.5	980.1	954.4	934.5	920.6	909.6	898.5	891.9
32.5°	1118.7	1061.1	1010.2	971.3	940.8	918.5	898.1	884.8	873.2	860.9	853.2
35°	1049.9	991.2	950.0	911.8	881.7	861.1	847.2	828.0	818.5	809.6	801.5
37.5°	986.0	931.3	886.8	853.3	827.2	806.7	788.6	778.4	766.6	758.7	752.0
40°	939.0	889.0	848.6	813.3	794.3	771.5	754.6	741.3	732.5	722.3	714.9
42.5°	896.6	850.3	811.0	779.3	755.4	736.2	719.9	706.6	695.5	688.2	681.9
45°	836.9	790.6	752.3	722.9	701.0	682.6	665.6	659.0	644.3	635.6	632.6
47.5°	775.0	733.6	696.6	669.6	647.0	629.6	613.8	600.3	592.2	583.5	578.8
50°	733.3	693.6	659.0	632.6	610.6	591.4	576.7	568.0	556.9	548.8	543.0
52.5°	691.5	654.8	620.3	594.9	575.9	556.8	540.4	531.5	521.0	515.9	511.8
55°	631.9	593.0	563.5	538.6	518.7	501.1	485.7	476.8	470.2	465.1	463.6
57.5°	564.3	533.4	506.1	483.6	463.0	446.4	432.9	424.5	418.7	417.9	413.5
60°	520.2	492.3	467.3	443.0	425.4	410.0	398.2	388.7	382.8	382.0	380.6
62.5°	476.1	449.3	426.1	404.8	389.0	374.1	363.0	352.2	348.7	345.1	341.8
65°	410.7	386.4	367.4	350.4	333.6	321.0	310.1	303.4	295.4	291.0	282.9
67.5°	346.5	327.7	309.3	295.1	281.8	269.9	260.8	251.0	245.5	242.0	236.1
70°	304.2	289.5	271.1	255.7	245.4	235.8	228.5	217.4	213.8	210.8	207.9
72.5°	264.2	251.3	235.8	223.4	213.1	204.1	195.6	190.4	186.8	183.8	182.1
75°	207.9	195.5	182.2	173.4	166.1	158.7	154.3	150.6	149.1	148.5	145.4
77.5°	152.7	146.1	135.4	128.5	123.6	120.6	116.7	114.8	114.6	111.4	110.4
80°	116.8	113.1	104.3	101.4	97.7	94.8	92.6	88.9	85.2	83.8	81.5
82.5°	86.8	83.1	79.6	74.9	71.8	70.1	67.9	66.5	67.0	64.9	63.9
85°	46.3	42.6	41.2	40.4	38.9	40.4	39.7	38.9	38.2	37.5	38.2
87.5°	15.4	15.6	15.1	16.4	14.8	15.5	15.6	15.1	15.2	15.3	14.8
90°	3.5	4.1	4.8	5.5	6.1	6.9	7.4	7.8	8.3	8.8	9.1
92.5°	12.4	13.1	13.9	14.8	15.6	16.4	17.1	17.6	18.3	18.9	19.3
95°	28.6	29.1	30.1	31.0	32.0	32.9	33.6	34.2	34.9	35.5	36.0
97.5°	46.5	47.1	48.4	49.8	51.1	52.4	53.0	53.6	54.3	54.9	55.2
100°	59.9	60.4	61.6	62.9	64.1	65.3	66.3	67.1	68.0	68.8	69.3
102.5°	76.1	76.5	77.2	77.8	78.4	79.0	79.9	80.9	81.8	82.8	83.3
105°	99.3	99.8	100.4	100.9	101.5	102.1	102.6	103.2	103.8	104.3	104.8
107.5°	124.6	125.1	125.5	125.9	126.4	126.8	127.1	127.3	127.6	127.9	128.1
110°	142.0	142.4	142.7	143.0	143.3	143.5	143.8	144.1	144.4	144.7	144.8



TEST NUMBER: P333721-830

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	158.9	159.2	159.6	159.9	160.2	160.6	160.8	160.9	161.0	161.2	161.2
115°	185.7	186.0	186.2	186.3	186.5	186.7	186.6	186.5	186.4	186.3	186.2
117.5°	211.1	211.3	211.5	211.6	211.8	212.0	212.1	212.2	212.2	212.3	212.2
120°	228.8	229.0	229.1	229.2	229.3	229.4	229.4	229.4	229.4	229.4	229.2
122.5°	245.2	245.5	245.7	246.0	246.3	246.5	246.4	246.4	246.3	246.2	246.0
125°	271.0	271.4	271.5	271.5	271.6	271.7	271.5	271.4	271.2	271.0	270.8
127.5°	295.7	295.9	296.0	296.1	296.1	296.3	296.2	296.1	296.1	296.0	295.8
130°	311.6	312.0	312.2	312.4	312.5	312.7	312.6	312.5	312.5	312.4	312.2
132.5°	328.2	328.6	328.6	328.5	328.5	328.4	328.3	328.2	328.1	328.0	327.9
135°	351.8	352.0	352.1	352.2	352.3	352.4	352.4	352.4	352.4	352.4	352.2
137.5°	374.6	374.9	375.1	375.3	375.5	375.8	375.9	376.0	376.1	376.3	376.1
140°	388.9	389.4	389.6	389.9	390.2	390.5	390.7	390.9	391.1	391.2	391.1
142.5°	403.3	403.7	404.1	404.4	404.8	405.2	405.3	405.4	405.5	405.6	405.4
145°	424.9	425.2	425.5	425.7	426.0	426.3	426.3	426.3	426.3	426.3	426.2
147.5°	444.2	444.4	444.6	444.9	445.1	445.4	445.5	445.7	446.0	446.2	446.0
150°	456.3	456.5	456.9	457.2	457.6	458.0	458.0	458.0	458.0	458.0	457.9
152.5°	468.2	468.3	468.4	468.6	468.7	468.9	469.1	469.4	469.6	469.8	469.8
155°	484.5	484.5	484.6	484.7	484.7	484.8	485.2	485.6	486.0	486.4	486.4
157.5°	498.6	498.6	498.7	498.8	498.9	499.0	499.4	499.7	500.1	500.5	500.4
160°	507.2	507.1	507.2	507.3	507.4	507.5	507.9	508.3	508.7	509.1	509.0
162.5°	515.4	515.3	515.3	515.3	515.4	515.4	515.9	516.3	516.7	517.2	517.2
165°	525.9	525.9	526.0	526.1	526.2	526.3	526.7	527.1	527.4	527.8	527.7
167.5°	534.1	534.0	534.0	534.0	534.0	534.0	534.5	535.1	535.6	536.2	536.2
170°	538.9	538.7	538.7	538.7	538.7	538.7	539.2	539.8	540.4	541.0	540.9
172.5°	542.3	542.2	542.2	542.2	542.2	542.2	542.7	543.3	543.8	544.4	544.4
175°	546.1	545.9	545.9	545.9	545.9	545.9	546.5	547.1	547.7	548.3	548.2
177.5°	548.4	548.2	548.2	548.1	548.0	547.9	548.4	548.8	549.3	549.8	549.7
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333721-830

CATALOG NUMBER: S125RDIW-S1270D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1714.6	1708.1	1706.3	1708.6	1706.3	1708.1	1714.6	1715.1	1715.7	1720.4	1713.9
5°	1581.9	1574.5	1578.2	1576.7	1578.2	1574.5	1581.9	1589.2	1590.6	1597.3	1601.7
7.5°	1465.2	1456.0	1446.3	1449.4	1446.3	1456.0	1465.2	1465.4	1476.8	1485.4	1491.0
10°	1383.5	1376.1	1371.7	1375.4	1371.7	1376.1	1383.5	1393.1	1397.4	1407.7	1418.7
12.5°	1314.8	1310.3	1306.5	1304.9	1306.5	1310.3	1314.8	1324.8	1335.1	1347.2	1359.4
15°	1221.1	1212.3	1208.6	1199.1	1208.6	1212.3	1221.1	1229.9	1249.8	1254.9	1273.3
17.5°	1134.8	1131.9	1122.4	1118.2	1122.4	1131.9	1134.8	1142.4	1151.5	1170.4	1184.2
20°	1083.7	1080.8	1071.2	1077.1	1071.2	1080.8	1083.7	1094.8	1102.1	1117.5	1130.8
22.5°	1041.4	1034.9	1031.8	1030.1	1031.8	1034.9	1041.4	1046.5	1056.2	1070.4	1085.5
25°	981.6	972.0	968.4	963.9	968.4	972.0	981.6	984.5	994.9	1008.8	1016.8
27.5°	921.9	916.8	911.9	910.8	911.9	916.8	921.9	926.0	935.0	947.2	961.8
30°	883.2	878.0	874.3	874.3	874.3	878.0	883.2	891.9	898.5	909.6	920.6
32.5°	848.5	844.5	840.8	840.3	840.8	844.5	848.5	853.2	860.9	873.2	884.8
35°	798.0	792.0	790.6	786.2	790.6	792.0	798.0	801.5	809.6	818.5	828.0
37.5°	745.5	740.6	740.5	740.0	740.5	740.6	745.5	752.0	758.7	766.6	778.4
40°	711.9	708.2	707.6	702.4	707.6	708.2	711.9	714.9	722.3	732.5	741.3
42.5°	676.1	674.2	671.7	669.5	671.7	674.2	676.1	681.9	688.2	695.5	706.6
45°	627.5	622.3	622.3	618.6	622.3	622.3	627.5	632.6	635.6	644.3	659.0
47.5°	577.2	573.3	573.6	569.9	573.6	573.3	577.2	578.8	583.5	592.2	600.3
50°	543.7	541.5	540.7	539.3	540.7	541.5	543.7	543.0	548.8	556.9	568.0
52.5°	510.2	509.2	512.0	508.7	512.0	509.2	510.2	511.8	515.9	521.0	531.5
55°	465.1	462.9	467.3	462.9	467.3	462.9	465.1	463.6	465.1	470.2	476.8
57.5°	413.2	411.1	415.1	412.9	415.1	411.1	413.2	413.5	417.9	418.7	424.5
60°	379.1	374.8	376.9	377.7	376.9	374.8	379.1	380.6	382.0	382.8	388.7
62.5°	338.6	335.9	337.5	334.1	337.5	335.9	338.6	341.8	345.1	348.7	352.2
65°	281.4	279.2	276.3	274.8	276.3	279.2	281.4	282.9	291.0	295.4	303.4
67.5°	236.4	231.1	231.0	232.1	231.0	231.1	236.4	236.1	242.0	245.5	251.0
70°	203.5	203.5	202.7	202.7	202.7	203.5	203.5	207.9	210.8	213.8	217.4
72.5°	180.6	180.0	178.7	178.1	178.7	180.0	180.6	182.1	183.8	186.8	190.4
75°	145.4	146.2	144.8	144.0	144.8	146.2	145.4	145.4	148.5	149.1	150.6
77.5°	107.4	104.3	105.9	104.3	105.9	104.3	107.4	110.4	111.4	114.6	114.8
80°	81.5	80.8	83.0	80.8	83.0	80.8	81.5	81.5	83.8	85.2	88.9
82.5°	64.5	63.8	64.8	63.2	64.8	63.8	64.5	63.9	64.9	67.0	66.5
85°	38.9	38.2	37.5	38.2	37.5	38.2	38.9	38.2	37.5	38.2	38.9
87.5°	15.4	14.9	14.9	15.0	14.9	14.9	15.4	14.8	15.3	15.2	15.1
90°	9.4	9.7	10.0	10.3	10.0	9.7	9.4	9.1	8.8	8.3	7.8
92.5°	19.5	19.7	20.0	20.2	20.0	19.7	19.5	19.3	18.9	18.3	17.6
95°	36.2	36.4	36.6	36.8	36.6	36.4	36.2	36.0	35.5	34.9	34.2
97.5°	55.3	55.5	55.6	55.7	55.6	55.5	55.3	55.2	54.9	54.3	53.6
100°	69.5	69.7	69.8	70.0	69.8	69.7	69.5	69.3	68.8	68.0	67.1
102.5°	83.6	83.9	84.2	84.5	84.2	83.9	83.6	83.3	82.8	81.8	80.9
105°	105.1	105.4	105.7	105.9	105.7	105.4	105.1	104.8	104.3	103.8	103.2
107.5°	128.1	128.0	128.0	128.0	128.0	128.0	128.1	128.1	127.9	127.6	127.3
110°	144.7	144.6	144.5	144.4	144.5	144.6	144.7	144.8	144.7	144.4	144.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	161.0	160.8	160.6	160.4	160.6	160.8	161.0	161.2	161.2	161.0	160.9
115°	186.2	186.1	186.0	185.9	186.0	186.1	186.2	186.2	186.3	186.4	186.5
117.5°	211.8	211.4	210.9	210.6	210.9	211.4	211.8	212.2	212.3	212.2	212.2
120°	228.8	228.5	228.1	227.7	228.1	228.5	228.8	229.2	229.4	229.4	229.4
122.5°	245.7	245.4	245.1	244.8	245.1	245.4	245.7	246.0	246.2	246.3	246.4
125°	270.7	270.6	270.5	270.4	270.5	270.6	270.7	270.8	271.0	271.2	271.4
127.5°	295.6	295.4	295.2	295.0	295.2	295.4	295.6	295.8	296.0	296.1	296.1
130°	312.0	311.8	311.6	311.4	311.6	311.8	312.0	312.2	312.4	312.5	312.5
132.5°	327.6	327.3	327.1	326.8	327.1	327.3	327.6	327.9	328.0	328.1	328.2
135°	351.9	351.5	351.1	350.7	351.1	351.5	351.9	352.2	352.4	352.4	352.4
137.5°	375.6	375.1	374.6	374.1	374.6	375.1	375.6	376.1	376.3	376.1	376.0
140°	390.6	390.1	389.6	389.2	389.6	390.1	390.6	391.1	391.2	391.1	390.9
142.5°	404.9	404.4	404.0	403.5	404.0	404.4	404.9	405.4	405.6	405.5	405.4
145°	425.9	425.7	425.4	425.1	425.4	425.7	425.9	426.2	426.3	426.3	426.3
147.5°	445.4	444.7	444.0	443.5	444.0	444.7	445.4	446.0	446.2	446.0	445.7
150°	457.7	457.5	457.3	457.1	457.3	457.5	457.7	457.9	458.0	458.0	458.0
152.5°	469.4	469.1	468.7	468.3	468.7	469.1	469.4	469.8	469.8	469.6	469.4
155°	485.9	485.4	484.9	484.5	484.9	485.4	485.9	486.4	486.4	486.0	485.6
157.5°	499.7	499.1	498.5	497.9	498.5	499.1	499.7	500.4	500.5	500.1	499.7
160°	508.5	508.0	507.6	507.1	507.6	508.0	508.5	509.0	509.1	508.7	508.3
162.5°	516.6	516.0	515.5	514.9	515.5	516.0	516.6	517.2	517.2	516.7	516.3
165°	527.2	526.6	526.0	525.5	526.0	526.6	527.2	527.7	527.8	527.4	527.1
167.5°	535.6	535.0	534.4	533.9	534.4	535.0	535.6	536.2	536.2	535.6	535.1
170°	540.3	539.6	538.9	538.3	538.9	539.6	540.3	540.9	541.0	540.4	539.8
172.5°	543.8	543.2	542.6	542.1	542.6	543.2	543.8	544.4	544.4	543.8	543.3
175°	547.5	546.9	546.2	545.5	546.2	546.9	547.5	548.2	548.3	547.7	547.1
177.5°	549.2	548.7	548.1	547.6	548.1	548.7	549.2	549.7	549.8	549.3	548.8
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1715.7	1722.2	1725.7	1733.9	1745.7	1751.6	1759.8	1765.7	1774.0	1784.0	1792.2
5°	1604.7	1622.3	1634.0	1652.4	1669.3	1686.2	1707.5	1723.0	1743.5	1767.0	1785.4
7.5°	1501.5	1523.5	1543.0	1567.4	1595.3	1617.0	1644.7	1673.1	1705.2	1738.6	1770.1
10°	1435.7	1457.7	1482.0	1512.0	1540.0	1569.3	1602.4	1635.5	1675.9	1713.4	1756.0
12.5°	1370.4	1394.8	1422.0	1455.7	1489.4	1527.0	1560.7	1597.9	1641.2	1689.9	1735.4
15°	1289.4	1313.0	1342.4	1371.0	1409.9	1451.0	1495.9	1545.1	1593.7	1647.9	1704.6
17.5°	1202.6	1228.4	1260.7	1294.0	1335.0	1383.2	1427.1	1481.0	1535.6	1598.9	1665.5
20°	1146.1	1172.6	1210.8	1247.5	1285.1	1332.1	1384.2	1439.4	1497.3	1564.2	1638.4
22.5°	1101.5	1120.3	1157.9	1195.2	1239.2	1287.4	1338.4	1395.8	1459.2	1528.3	1606.1
25°	1035.2	1057.2	1084.5	1123.4	1168.9	1219.7	1271.1	1332.1	1401.1	1471.7	1554.6
27.5°	976.3	994.4	1021.2	1051.8	1097.2	1149.8	1204.5	1268.1	1339.0	1410.8	1498.1
30°	934.5	954.4	980.1	1012.5	1048.5	1105.8	1161.6	1224.1	1296.1	1370.3	1459.9
32.5°	898.1	918.5	940.8	971.3	1010.2	1061.1	1118.7	1180.0	1253.1	1329.7	1417.0
35°	847.2	861.1	881.7	911.8	950.0	991.2	1049.9	1114.6	1185.8	1265.2	1352.6
37.5°	788.6	806.7	827.2	853.3	886.8	931.3	986.0	1051.4	1117.5	1193.4	1273.3
40°	754.6	771.5	794.3	813.3	848.6	889.0	939.0	1007.3	1073.5	1144.7	1217.5
42.5°	719.9	736.2	755.4	779.3	811.0	850.3	896.6	960.3	1031.1	1098.3	1159.2
45°	665.6	682.6	701.0	722.9	752.3	790.6	836.9	894.8	956.6	1018.3	1064.6
47.5°	613.8	629.6	647.0	669.6	696.6	733.6	775.0	826.2	886.2	938.7	971.8
50°	576.7	591.4	610.6	632.6	659.0	693.6	733.3	783.9	833.9	881.7	911.8
52.5°	540.4	556.8	575.9	594.9	620.3	654.8	691.5	735.2	782.8	821.7	846.6
55°	485.7	501.1	518.7	538.6	563.5	593.0	631.9	666.4	703.9	737.0	751.6
57.5°	432.9	446.4	463.0	483.6	506.1	533.4	564.3	597.5	624.0	647.3	663.9
60°	398.2	410.0	425.4	443.0	467.3	492.3	520.2	551.0	571.7	591.4	606.9
62.5°	363.0	374.1	389.0	404.8	426.1	449.3	476.1	501.1	521.0	534.4	552.2
65°	310.1	321.0	333.6	350.4	367.4	386.4	410.7	429.0	443.0	457.7	468.7
67.5°	260.8	269.9	281.8	295.1	309.3	327.7	346.5	361.7	371.4	380.1	393.4
70°	228.5	235.8	245.4	255.7	271.1	289.5	304.2	315.9	322.5	331.4	347.5
72.5°	195.6	204.1	213.1	223.4	235.8	251.3	264.2	276.0	280.2	287.3	297.6
75°	154.3	158.7	166.1	173.4	182.2	195.5	207.9	210.8	214.5	220.5	227.7
77.5°	116.7	120.6	123.6	128.5	135.4	146.1	152.7	157.1	158.0	160.1	167.4
80°	92.6	94.8	97.7	101.4	104.3	113.1	116.8	121.2	122.7	124.9	128.6
82.5°	67.9	70.1	71.8	74.9	79.6	83.1	86.8	91.2	91.5	93.1	93.9
85°	39.7	40.4	38.9	40.4	41.2	42.6	46.3	50.0	49.2	48.4	50.7
87.5°	15.6	15.5	14.8	16.4	15.1	15.6	15.4	15.8	16.9	17.9	18.9
90°	7.4	6.9	6.1	5.5	4.8	4.1	3.5	2.7	2.0	1.2	0.5
92.5°	17.1	16.4	15.6	14.8	13.9	13.1	12.4	12.0	11.4	10.8	10.4
95°	33.6	32.9	32.0	31.0	30.1	29.1	28.6	28.4	28.2	28.0	27.8
97.5°	53.0	52.4	51.1	49.8	48.4	47.1	46.5	46.4	46.3	46.2	46.1
100°	66.3	65.3	64.1	62.9	61.6	60.4	59.9	59.9	59.9	59.9	59.9
102.5°	79.9	79.0	78.4	77.8	77.2	76.5	76.1	75.7	75.3	74.8	74.5
105°	102.6	102.1	101.5	100.9	100.4	99.8	99.3	98.8	98.3	97.8	97.4
107.5°	127.1	126.8	126.4	125.9	125.5	125.1	124.6	124.1	123.7	123.2	122.7
110°	143.8	143.5	143.3	143.0	142.7	142.4	142.0	141.6	141.1	140.6	140.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	160.8	160.6	160.2	159.9	159.6	159.2	158.9	158.6	158.3	158.2	157.9
115°	186.6	186.7	186.5	186.3	186.2	186.0	185.7	185.3	184.9	184.5	184.1
117.5°	212.1	212.0	211.8	211.6	211.5	211.3	211.1	210.9	210.8	210.6	210.5
120°	229.4	229.4	229.3	229.2	229.1	229.0	228.8	228.3	227.8	227.3	226.9
122.5°	246.4	246.5	246.3	246.0	245.7	245.5	245.2	245.2	245.0	244.8	244.6
125°	271.5	271.7	271.6	271.5	271.5	271.4	271.0	270.4	269.8	269.3	268.7
127.5°	296.2	296.3	296.1	296.1	296.0	295.9	295.7	295.3	295.0	294.6	294.4
130°	312.6	312.7	312.5	312.4	312.2	312.0	311.6	311.1	310.7	310.2	309.7
132.5°	328.3	328.4	328.5	328.5	328.6	328.6	328.2	327.4	326.7	325.8	325.1
135°	352.4	352.4	352.3	352.2	352.1	352.0	351.8	351.2	350.6	350.1	349.4
137.5°	375.9	375.8	375.5	375.3	375.1	374.9	374.6	374.0	373.4	372.9	372.3
140°	390.7	390.5	390.2	389.9	389.6	389.4	388.9	388.4	388.0	387.5	387.0
142.5°	405.3	405.2	404.8	404.4	404.1	403.7	403.3	402.9	402.6	402.1	401.7
145°	426.3	426.3	426.0	425.7	425.5	425.2	424.9	424.5	424.1	423.8	423.4
147.5°	445.5	445.4	445.1	444.9	444.6	444.4	444.2	443.9	443.7	443.6	443.4
150°	458.0	458.0	457.6	457.2	456.9	456.5	456.3	456.4	456.5	456.6	456.7
152.5°	469.1	468.9	468.7	468.6	468.4	468.3	468.2	468.0	467.9	467.8	467.6
155°	485.2	484.8	484.7	484.7	484.6	484.5	484.5	484.5	484.5	484.5	484.5
157.5°	499.4	499.0	498.9	498.8	498.7	498.6	498.6	498.9	499.1	499.3	499.5
160°	507.9	507.5	507.4	507.3	507.2	507.1	507.2	507.5	507.7	508.1	508.4
162.5°	515.9	515.4	515.4	515.3	515.3	515.3	515.4	515.6	515.9	516.0	516.2
165°	526.7	526.3	526.2	526.1	526.0	525.9	525.9	526.1	526.3	526.5	526.7
167.5°	534.5	534.0	534.0	534.0	534.0	534.0	534.1	534.5	534.9	535.3	535.6
170°	539.2	538.7	538.7	538.7	538.7	538.7	538.9	539.2	539.6	540.0	540.4
172.5°	542.7	542.2	542.2	542.2	542.2	542.2	542.3	542.7	543.1	543.5	543.8
175°	546.5	545.9	545.9	545.9	545.9	545.9	546.1	546.5	546.9	547.2	547.7
177.5°	548.4	547.9	548.0	548.1	548.2	548.2	548.4	548.7	549.0	549.3	549.6
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333721-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1798.6	1803.9	1811.6	1820.3	1827.4	1835.0	1839.2	1839.2	1842.7	1850.3	1860.3
5°	1803.7	1822.9	1841.3	1864.7	1883.1	1904.4	1920.5	1936.0	1949.9	1967.6	1985.9
7.5°	1802.2	1834.0	1867.1	1904.1	1944.9	1977.5	2010.8	2036.9	2062.8	2096.6	2123.2
10°	1796.4	1837.6	1882.4	1929.4	1980.8	2025.6	2066.1	2102.8	2138.1	2174.8	2207.8
12.5°	1785.8	1838.1	1892.9	1949.4	2014.3	2065.6	2117.8	2156.8	2198.0	2238.3	2279.0
15°	1769.9	1831.6	1897.8	1976.4	2055.8	2113.1	2164.5	2215.2	2253.4	2299.0	2337.9
17.5°	1737.2	1816.7	1899.9	1985.8	2062.1	2128.6	2182.6	2230.8	2271.4	2321.6	2374.5
20°	1717.8	1803.7	1890.5	1982.3	2055.0	2123.4	2175.5	2225.4	2276.1	2341.6	2406.2
22.5°	1690.7	1782.6	1874.5	1961.7	2038.5	2104.5	2158.5	2219.6	2286.1	2360.4	2438.5
25°	1647.9	1742.8	1833.9	1916.8	1991.9	2059.5	2132.9	2215.2	2296.0	2393.8	2506.1
27.5°	1593.7	1685.2	1766.4	1854.2	1928.6	2014.6	2106.3	2195.5	2312.1	2446.5	2586.8
30°	1553.2	1639.9	1717.0	1800.1	1884.5	1979.3	2082.2	2187.3	2326.1	2484.1	2650.9
32.5°	1506.2	1584.7	1661.2	1741.3	1838.7	1942.9	2052.2	2180.8	2346.7	2526.4	2699.1
35°	1424.7	1495.2	1569.3	1658.3	1761.9	1875.0	2014.6	2171.1	2371.7	2564.9	2720.0
37.5°	1339.1	1394.8	1469.3	1563.0	1675.9	1806.9	1965.2	2155.4	2361.4	2534.8	2600.8
40°	1273.3	1325.4	1404.0	1502.5	1614.2	1757.5	1935.2	2130.7	2337.9	2458.3	2453.2
42.5°	1208.1	1260.7	1336.4	1435.5	1551.9	1712.2	1895.3	2098.4	2273.2	2319.1	2223.5
45°	1108.0	1157.2	1231.4	1331.3	1456.2	1624.5	1816.9	2011.7	2123.4	2049.2	1859.5
47.5°	1006.0	1053.8	1122.7	1220.5	1356.9	1533.0	1715.0	1874.7	1890.5	1731.0	1503.6
50°	939.0	983.8	1049.1	1153.5	1285.7	1457.7	1633.3	1759.0	1720.0	1525.3	1290.9
52.5°	873.7	916.8	978.1	1076.5	1211.7	1380.1	1536.9	1635.5	1545.4	1338.4	1127.5
55°	777.3	818.5	880.2	970.5	1093.3	1247.5	1385.0	1421.0	1288.7	1080.1	909.6
57.5°	685.8	716.0	776.9	856.9	975.2	1111.2	1209.7	1203.2	1057.2	869.3	747.1
60°	625.3	652.4	710.5	783.9	896.4	1018.3	1087.4	1058.0	910.3	755.3	637.7
62.5°	568.8	594.3	642.9	710.5	807.0	913.1	963.4	922.8	783.3	647.1	553.6
65°	483.4	501.8	540.7	603.2	678.9	752.3	797.2	737.6	614.3	511.3	440.8
67.5°	403.7	419.5	454.2	499.0	551.2	601.9	620.1	564.3	468.3	399.0	349.3
70°	351.9	366.6	390.1	432.1	466.6	502.6	511.3	461.4	381.4	328.4	297.6
72.5°	302.6	316.0	336.7	366.2	390.1	410.9	415.0	368.5	307.3	270.8	247.0
75°	230.7	242.4	255.7	266.7	282.1	285.8	284.4	248.4	215.3	191.1	177.8
77.5°	169.6	174.5	182.5	186.9	187.7	187.4	179.8	157.1	140.1	130.1	124.6
80°	130.8	134.5	136.7	138.1	138.8	131.5	123.5	109.4	103.6	97.7	91.1
82.5°	94.9	97.5	99.6	99.9	96.0	89.8	82.3	75.4	71.3	68.3	65.8
85°	51.5	52.1	51.5	47.8	42.6	40.4	38.9	37.5	36.8	36.0	36.0
87.5°	18.5	16.9	14.0	14.8	15.0	14.5	14.6	14.1	13.7	13.8	13.9
90°	1.2	2.0	2.7	3.5	4.1	4.8	5.5	6.1	6.9	7.4	7.8
92.5°	10.8	11.4	12.0	12.4	13.1	13.9	14.8	15.6	16.4	17.1	17.6
95°	28.0	28.2	28.4	28.6	29.1	30.1	31.0	32.0	32.9	33.6	34.2
97.5°	46.2	46.3	46.4	46.5	47.1	48.4	49.8	51.1	52.4	53.0	53.6
100°	59.9	59.9	59.9	59.9	60.4	61.6	62.9	64.1	65.3	66.3	67.1
102.5°	74.8	75.3	75.7	76.1	76.5	77.2	77.8	78.4	79.0	79.9	80.9
105°	97.8	98.3	98.8	99.3	99.8	100.4	100.9	101.5	102.1	102.6	103.2
107.5°	123.2	123.7	124.1	124.6	125.1	125.5	125.9	126.4	126.8	127.1	127.3
110°	140.6	141.1	141.6	142.0	142.4	142.7	143.0	143.3	143.5	143.8	144.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	158.2	158.3	158.6	158.9	159.2	159.6	159.9	160.2	160.6	160.8	160.9
115°	184.5	184.9	185.3	185.7	186.0	186.2	186.3	186.5	186.7	186.6	186.5
117.5°	210.6	210.8	210.9	211.1	211.3	211.5	211.6	211.8	212.0	212.1	212.2
120°	227.3	227.8	228.3	228.8	229.0	229.1	229.2	229.3	229.4	229.4	229.4
122.5°	244.8	245.0	245.2	245.2	245.5	245.7	246.0	246.3	246.5	246.4	246.4
125°	269.3	269.8	270.4	271.0	271.4	271.5	271.5	271.6	271.7	271.5	271.4
127.5°	294.6	295.0	295.3	295.7	295.9	296.0	296.1	296.1	296.3	296.2	296.1
130°	310.2	310.7	311.1	311.6	312.0	312.2	312.4	312.5	312.7	312.6	312.5
132.5°	325.8	326.7	327.4	328.2	328.6	328.6	328.5	328.5	328.4	328.3	328.2
135°	350.1	350.6	351.2	351.8	352.0	352.1	352.2	352.3	352.4	352.4	352.4
137.5°	372.9	373.4	374.0	374.6	374.9	375.1	375.3	375.5	375.8	375.9	376.0
140°	387.5	388.0	388.4	388.9	389.4	389.6	389.9	390.2	390.5	390.7	390.9
142.5°	402.1	402.6	402.9	403.3	403.7	404.1	404.4	404.8	405.2	405.3	405.4
145°	423.8	424.1	424.5	424.9	425.2	425.5	425.7	426.0	426.3	426.3	426.3
147.5°	443.6	443.7	443.9	444.2	444.4	444.6	444.9	445.1	445.4	445.5	445.7
150°	456.6	456.5	456.4	456.3	456.5	456.9	457.2	457.6	458.0	458.0	458.0
152.5°	467.8	467.9	468.0	468.2	468.3	468.4	468.6	468.7	468.9	469.1	469.4
155°	484.5	484.5	484.5	484.5	484.5	484.6	484.7	484.7	484.8	485.2	485.6
157.5°	499.3	499.1	498.9	498.6	498.6	498.7	498.8	498.9	499.0	499.4	499.7
160°	508.1	507.7	507.5	507.2	507.1	507.2	507.3	507.4	507.5	507.9	508.3
162.5°	516.0	515.9	515.6	515.4	515.3	515.3	515.3	515.4	515.4	515.9	516.3
165°	526.5	526.3	526.1	525.9	525.9	526.0	526.1	526.2	526.3	526.7	527.1
167.5°	535.3	534.9	534.5	534.1	534.0	534.0	534.0	534.0	534.0	534.5	535.1
170°	540.0	539.6	539.2	538.9	538.7	538.7	538.7	538.7	538.7	539.2	539.8
172.5°	543.5	543.1	542.7	542.3	542.2	542.2	542.2	542.2	542.2	542.7	543.3
175°	547.2	546.9	546.5	546.1	545.9	545.9	545.9	545.9	545.9	546.5	547.1
177.5°	549.3	549.0	548.7	548.4	548.2	548.2	548.1	548.0	547.9	548.4	548.8
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1867.9	1867.9	1877.9	1877.4	1883.9	1881.5	1882.6
5°	2008.0	2020.5	2031.6	2038.8	2049.8	2052.9	2051.3
7.5°	2153.1	2180.9	2194.4	2213.0	2216.4	2226.1	2225.1
10°	2243.2	2270.3	2290.8	2307.1	2315.1	2325.4	2326.1
12.5°	2313.7	2336.8	2354.9	2369.9	2379.7	2383.0	2384.9
15°	2368.7	2394.4	2415.7	2437.0	2449.6	2459.1	2464.3
17.5°	2424.3	2464.0	2501.6	2530.5	2547.9	2562.6	2562.4
20°	2467.2	2512.7	2559.8	2592.8	2626.7	2641.3	2643.5
22.5°	2513.0	2582.7	2643.3	2694.5	2738.9	2754.2	2760.0
25°	2608.3	2699.3	2792.7	2864.7	2916.1	2946.2	2950.6
27.5°	2723.3	2846.6	2944.8	3011.2	3053.9	3076.3	3081.2
30°	2804.4	2918.3	3006.5	3056.5	3076.3	3079.2	3068.2
32.5°	2840.9	2925.9	2961.2	2958.3	2919.3	2893.5	2883.6
35°	2796.3	2778.7	2692.7	2589.9	2511.3	2461.4	2448.1
37.5°	2544.8	2392.7	2234.6	2079.2	1996.4	1954.4	1882.1
40°	2296.8	2080.0	1915.4	1784.6	1691.3	1616.4	1598.7
42.5°	2016.9	1793.2	1628.6	1516.6	1442.1	1390.7	1368.4
45°	1620.8	1428.3	1292.4	1206.5	1149.1	1111.6	1094.8
47.5°	1296.4	1147.4	1048.3	984.7	941.0	908.4	899.3
50°	1118.2	999.2	915.5	861.9	828.8	803.8	793.5
52.5°	971.3	875.2	810.9	766.6	735.3	719.7	711.2
55°	801.5	718.6	672.3	637.0	619.3	606.9	601.0
57.5°	655.5	595.6	561.8	537.3	521.0	513.1	510.2
60°	573.8	526.8	496.0	476.8	465.8	455.5	452.6
62.5°	501.5	464.5	440.7	424.0	412.9	408.5	406.7
65°	404.1	379.8	362.2	351.9	343.1	341.7	340.9
67.5°	321.2	307.0	297.7	287.0	283.9	278.7	277.8
70°	274.8	265.2	254.2	250.5	246.9	241.8	242.4
72.5°	233.1	223.5	216.0	211.1	209.8	207.6	209.5
75°	170.4	167.5	164.6	160.9	159.5	159.5	158.7
77.5°	121.7	119.1	115.9	113.8	113.3	110.2	111.4
80°	88.1	84.5	83.0	83.8	81.5	80.8	80.8
82.5°	65.2	63.9	62.5	62.6	62.1	61.5	62.0
85°	36.0	35.3	35.3	34.5	34.5	33.8	33.8
87.5°	14.6	15.3	14.1	13.7	13.7	14.3	15.0
90°	8.3	8.8	9.1	9.4	9.7	10.0	10.3
92.5°	18.3	18.9	19.3	19.5	19.7	20.0	20.2
95°	34.9	35.5	36.0	36.2	36.4	36.6	36.8
97.5°	54.3	54.9	55.2	55.3	55.5	55.6	55.7
100°	68.0	68.8	69.3	69.5	69.7	69.8	70.0
102.5°	81.8	82.8	83.3	83.6	83.9	84.2	84.5
105°	103.8	104.3	104.8	105.1	105.4	105.7	105.9
107.5°	127.6	127.9	128.1	128.1	128.0	128.0	128.0
110°	144.4	144.7	144.8	144.7	144.6	144.5	144.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	161.0	161.2	161.2	161.0	160.8	160.6	160.4
115°	186.4	186.3	186.2	186.2	186.1	186.0	185.9
117.5°	212.2	212.3	212.2	211.8	211.4	210.9	210.6
120°	229.4	229.4	229.2	228.8	228.5	228.1	227.7
122.5°	246.3	246.2	246.0	245.7	245.4	245.1	244.8
125°	271.2	271.0	270.8	270.7	270.6	270.5	270.4
127.5°	296.1	296.0	295.8	295.6	295.4	295.2	295.0
130°	312.5	312.4	312.2	312.0	311.8	311.6	311.4
132.5°	328.1	328.0	327.9	327.6	327.3	327.1	326.8
135°	352.4	352.4	352.2	351.9	351.5	351.1	350.7
137.5°	376.1	376.3	376.1	375.6	375.1	374.6	374.1
140°	391.1	391.2	391.1	390.6	390.1	389.6	389.2
142.5°	405.5	405.6	405.4	404.9	404.4	404.0	403.5
145°	426.3	426.3	426.2	425.9	425.7	425.4	425.1
147.5°	446.0	446.2	446.0	445.4	444.7	444.0	443.5
150°	458.0	458.0	457.9	457.7	457.5	457.3	457.1
152.5°	469.6	469.8	469.8	469.4	469.1	468.7	468.3
155°	486.0	486.4	486.4	485.9	485.4	484.9	484.5
157.5°	500.1	500.5	500.4	499.7	499.1	498.5	497.9
160°	508.7	509.1	509.0	508.5	508.0	507.6	507.1
162.5°	516.7	517.2	517.2	516.6	516.0	515.5	514.9
165°	527.4	527.8	527.7	527.2	526.6	526.0	525.5
167.5°	535.6	536.2	536.2	535.6	535.0	534.4	533.9
170°	540.4	541.0	540.9	540.3	539.6	538.9	538.3
172.5°	543.8	544.4	544.4	543.8	543.2	542.6	542.1
175°	547.7	548.3	548.2	547.5	546.9	546.2	545.5
177.5°	549.3	549.8	549.7	549.2	548.7	548.1	547.6
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9

(END OF REPORT)