

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: P333622-830

Luminaire Tested: **S125RDIP-S1270D810U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333622-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S1270D810U830-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7692.6 lumens  
Efficiency: N/A  
Efficacy: 126.7 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

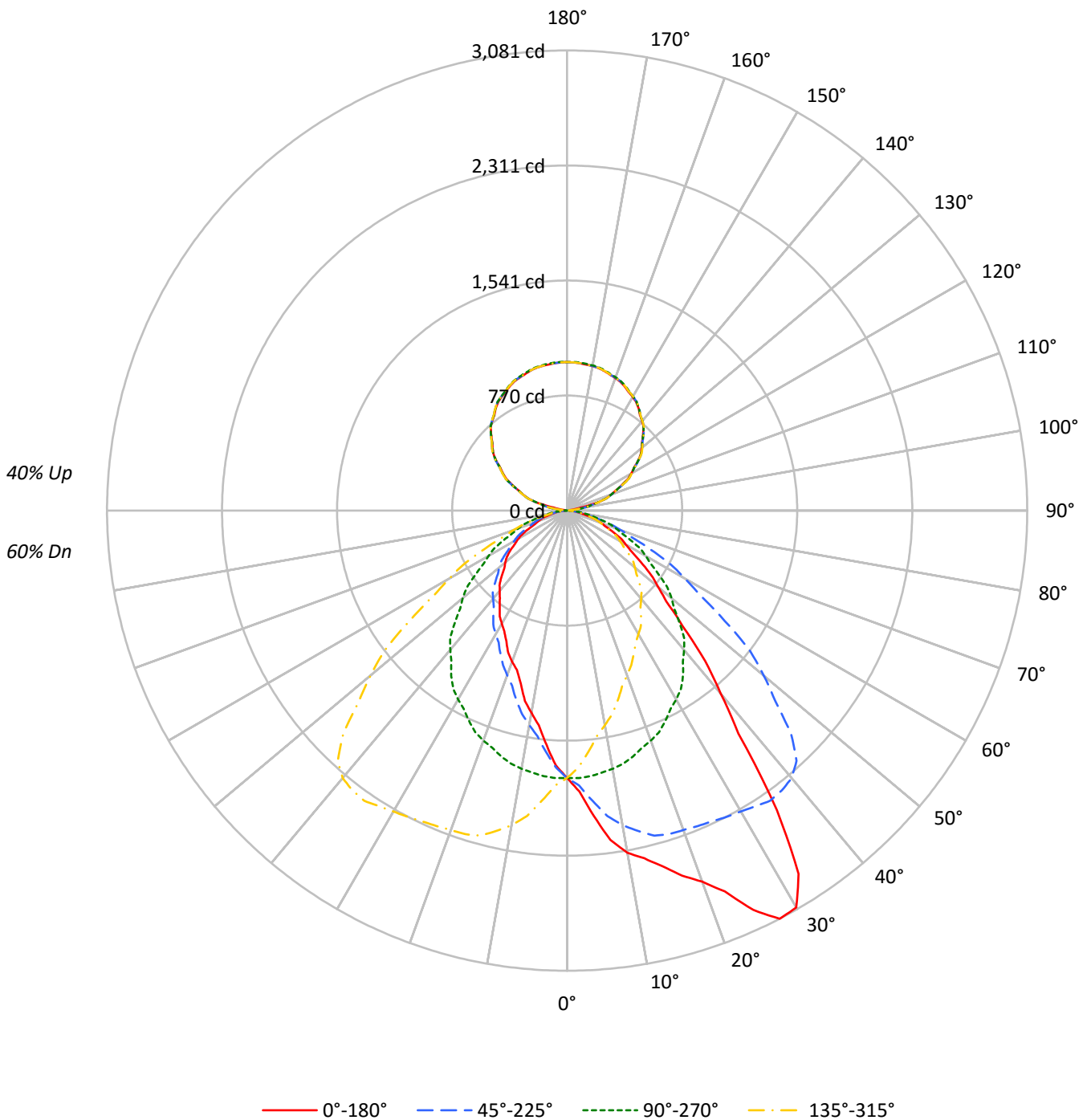
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	101	96	93	89	94	90	87	84	79	77	74	68	67	65	59	58	56	52
2	92	85	79	74	86	80	74	70	70	66	62	61	58	55	52	50	48	44
3	84	75	68	62	79	70	64	59	62	57	53	54	50	47	47	44	42	38
4	77	67	59	53	72	63	56	50	55	50	45	48	44	41	42	39	36	33
5	71	60	51	46	66	56	49	44	50	44	39	44	39	36	38	35	32	29
6	66	54	46	40	61	51	43	38	45	39	35	40	35	31	35	31	28	25
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	32	28	25	23
8	56	44	36	31	53	42	35	30	37	31	27	33	28	25	29	25	22	20
9	53	40	33	28	49	38	31	27	34	29	25	30	26	22	27	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	18	17

**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	2.2
10°-20°	503.0	6.5
20°-30°	797.5	10.4
30°-40°	961.7	12.5
40°-50°	858.8	11.2
50°-60°	658.6	8.6
60°-70°	428.0	5.6
70°-80°	208.1	2.7
80°-90°	51.7	0.7
90°-100°	36.1	0.5
100°-110°	222.7	2.9
110°-120°	403.9	5.3
120°-130°	518.4	6.7
130°-140°	557.5	7.2
140°-150°	523.3	6.8
150°-160°	423.3	5.5
160°-170°	273.8	3.6
170°-180°	94.4	1.2
0°-30°	1472.1	19.1
0°-40°	2433.8	31.6
0°-60°	3951.3	51.4
0°-90°	4639.1	60.3
90°-120°	662.7	8.6
90°-150°	2262.0	29.4
90°-180°	3054.0	39.7
0°-180°	7692.6	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°	18	1	18	1	18	9
95°	16	42	16	42	16	13
105°	219	217	219	217	219	198
115°	404	407	404	407	404	401
125°	579	579	579	579	579	515
135°	719	722	719	722	719	555
145°	834	837	834	837	834	521
155°	915	921	915	921	915	422
165°	967	972	967	972	967	273
175°	990	994	990	994	990	94
180°	994	994	994	994	994	



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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°	16.5	15.7	15.1	15.0	15.5	16.5	15.7	15.0	14.9	14.7	15.1
90°	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5	12.6	11.8	10.7
92.5°	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5	12.6	11.8	10.7
95°	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5	12.6	11.8	18.0
97.5°	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1	31.7	36.3	48.5
100°	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5	103.9	128.3	127.6
102.5°	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4	159.0	163.6	163.2
105°	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1	278.1	278.1	277.7
110°	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9	316.5	317.0	316.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5	354.1	354.7	354.5
115°	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0	410.7	411.3	411.1
117.5°	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6	465.4	466.3	465.7
120°	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8	500.2	500.5	500.0
122.5°	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5	533.8	534.1	533.9
125°	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5	583.2	583.8	583.8
127.5°	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3	627.6	628.0	628.1
130°	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5	657.0	657.5	657.3
132.5°	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8	683.9	684.0	684.4
135°	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0	724.2	724.6	724.9
137.5°	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3	761.2	761.1	761.5
140°	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2	783.9	783.5	783.7
142.5°	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7	806.6	806.5	806.3
145°	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4	838.3	838.1	838.1
147.5°	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6	865.4	865.3	865.1
150°	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0	882.7	882.3	882.0
152.5°	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3	898.0	897.7	897.3
155°	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5	918.9	918.4	918.1
157.5°	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9	936.3	935.9	935.8
160°	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7	947.1	946.4	946.3
162.5°	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7	956.8	955.9	955.7
165°	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5	969.6	968.6	968.4
167.5°	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2	979.0	977.9	977.7
170°	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1	983.9	982.6	982.4
172.5°	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0	987.9	986.7	986.4
175°	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3	992.0	990.7	990.5
177.5°	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0	994.1	993.2	993.1
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



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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°	15.5	15.2	15.6	15.3	14.4	17.2	18.7	18.9	18.0	17.2	16.2
90°	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8	2.1	3.4	4.7
92.5°	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3	10.5	9.5	8.6
95°	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0	41.6	41.0	40.5
97.5°	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8	88.6	89.4	90.4
100°	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1	123.6	124.0	124.6
102.5°	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1	159.7	160.3	160.9
105°	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7	217.4	218.0	218.7
107.5°	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5
110°	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5	315.5	315.5	315.5





TEST NUMBER: P333622-830

CATALOG NUMBER: S125RDIP-S1270D810U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0	352.4	352.8	353.3
115°	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9	407.7	408.5	409.3
117.5°	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6	463.6	463.5	463.5
120°	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0	498.9	498.7	498.5
122.5°	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3	530.9	531.5	532.2
125°	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6	579.8	580.9	582.1
127.5°	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8	625.6	626.4	627.3
130°	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1	653.9	654.7	655.5
132.5°	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4	682.3	683.2	684.2
135°	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6	722.6	723.6	724.6
137.5°	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7	759.5	760.3	761.2
140°	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8	783.2	783.4	783.8
142.5°	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6	804.8	805.0	805.2
145°	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6	837.0	837.3	837.6
147.5°	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6	864.6	864.5	864.4
150°	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.0	881.7	881.4
152.5°	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5	898.7	898.0	897.3
155°	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4	920.4	919.5	918.4
157.5°	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3	937.7	937.2	936.6
160°	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2	949.1	948.2	947.2
162.5°	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6	958.6	957.6	956.6
165°	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2	971.3	970.3	969.3
167.5°	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7	980.7	979.7	978.6
170°	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0	985.8	984.7	983.5
172.5°	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5	989.4	988.3	987.1
175°	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4	993.3	992.4	991.5
177.5°	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2	995.3	994.6	993.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333622-830

CATALOG NUMBER: S125RDIP-S1270D810U830-4F0-1E-UDD-A

**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°	15.9	16.1	15.7	17.2	15.6	16.5	16.6	16.2	16.4	16.5	16.1
90°	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5	14.2	15.1	15.7
92.5°	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5	14.2	15.1	15.6
95°	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5	14.2	15.1	15.5
97.5°	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1	22.4	17.8	15.5
100°	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5	55.0	30.6	18.1
102.5°	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4	149.8	145.2	137.3
105°	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1	278.1	278.1	278.0
110°	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9	315.5	315.0	314.8



TEST NUMBER: P333622-830

CATALOG NUMBER: S125RDIP-S1270D810U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5	352.8	352.2	351.8
115°	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0	409.3	408.7	407.8
117.5°	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6	463.7	462.9	462.2
120°	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8	499.5	499.2	498.6
122.5°	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5	533.1	532.8	532.2
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5	581.8	581.2	580.6
127.5°	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3	627.0	626.6	625.8
130°	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5	656.0	655.5	654.9
132.5°	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8	683.7	683.6	683.2
135°	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0	723.6	723.3	722.6
137.5°	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3	761.3	761.4	761.0
140°	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2	784.6	784.9	784.6
142.5°	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7	806.7	806.8	806.3
145°	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4	838.6	838.8	838.3
147.5°	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6	865.8	866.0	865.5
150°	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0	883.4	883.6	883.2
152.5°	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3	898.6	899.0	898.5
155°	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5	919.9	920.4	920.0
157.5°	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9	937.5	937.9	937.5
160°	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7	948.4	949.0	948.8
162.5°	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7	958.7	959.5	959.3
165°	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5	971.5	972.5	972.3
167.5°	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2	981.4	982.6	982.4
170°	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1	986.5	987.8	987.7
172.5°	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0	990.2	991.5	991.3
175°	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3	994.6	995.9	995.8
177.5°	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0	995.9	996.8	996.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333622-830

CATALOG NUMBER: S125RDIP-S1270D810U830-4F0-1E-UDD-A

**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°	16.8	16.3	16.4	16.5	16.4	16.3	16.8	16.1	16.5	16.4	16.2
90°	16.2	16.7	17.2	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5
92.5°	15.8	16.0	16.3	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5
95°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5
97.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1
100°	17.4	16.8	16.1	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5
102.5°	126.1	115.0	103.9	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4
105°	219.4	219.2	219.0	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6
107.5°	277.5	276.9	276.4	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1
110°	315.0	315.2	315.3	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9



TEST NUMBER: P333622-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	351.6	351.3	351.1	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5
115°	406.9	405.9	404.9	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0
117.5°	461.8	461.4	461.0	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6
120°	497.8	497.0	496.2	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8
122.5°	531.2	530.3	529.3	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5
125°	580.1	579.6	579.1	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5
127.5°	624.6	623.4	622.2	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3
130°	654.0	653.3	652.4	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5
132.5°	682.4	681.6	680.7	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8
135°	721.6	720.7	719.6	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0
137.5°	760.2	759.3	758.5	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3
140°	783.5	782.6	781.6	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2
142.5°	805.4	804.4	803.4	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7
145°	837.4	836.4	835.4	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4
147.5°	864.3	863.2	862.0	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6
150°	881.8	880.5	879.2	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0
152.5°	897.4	896.2	895.0	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3
155°	918.7	917.4	916.1	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5
157.5°	936.2	934.9	933.6	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9
160°	947.4	946.1	944.8	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7
162.5°	957.8	956.4	955.0	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7
165°	971.0	969.7	968.4	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5
167.5°	980.9	979.5	978.0	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2
170°	986.3	984.8	983.3	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1
172.5°	989.8	988.4	986.8	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0
175°	994.4	992.9	991.5	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3
177.5°	995.7	994.7	993.6	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333622-830

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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°	16.6	16.5	15.6	17.2	15.7	16.1	15.9	16.2	17.2	18.0	18.9
90°	12.6	11.8	10.7	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8
92.5°	12.6	11.8	10.7	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3
95°	12.6	11.8	18.0	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0
97.5°	31.7	36.3	48.5	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8
100°	103.9	128.3	127.6	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1
102.5°	159.0	163.6	163.2	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1
105°	219.6	219.6	219.6	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7
107.5°	278.1	278.1	277.7	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5
110°	316.5	317.0	316.6	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	354.1	354.7	354.5	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0
115°	410.7	411.3	411.1	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9
117.5°	465.4	466.3	465.7	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6
120°	500.2	500.5	500.0	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0
122.5°	533.8	534.1	533.9	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6
127.5°	627.6	628.0	628.1	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8
130°	657.0	657.5	657.3	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1
132.5°	683.9	684.0	684.4	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4
135°	724.2	724.6	724.9	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6
137.5°	761.2	761.1	761.5	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7
140°	783.9	783.5	783.7	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8
142.5°	806.6	806.5	806.3	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6
145°	838.3	838.1	838.1	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6
147.5°	865.4	865.3	865.1	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6
150°	882.7	882.3	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3
152.5°	898.0	897.7	897.3	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5
155°	918.9	918.4	918.1	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4
157.5°	936.3	935.9	935.8	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3
160°	947.1	946.4	946.3	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2
162.5°	956.8	955.9	955.7	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6
165°	969.6	968.6	968.4	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2
167.5°	979.0	977.9	977.7	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7
170°	983.9	982.6	982.4	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0
172.5°	987.9	986.7	986.4	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5
175°	992.0	990.7	990.5	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4
177.5°	994.1	993.2	993.1	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333622-830

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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°	18.7	17.2	14.4	15.3	15.6	15.2	15.5	15.1	14.7	14.9	15.0
90°	2.1	3.4	4.7	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5
92.5°	10.5	9.5	8.6	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5
95°	41.6	41.0	40.5	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5
97.5°	88.6	89.4	90.4	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1
100°	123.6	124.0	124.6	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5
102.5°	159.7	160.3	160.9	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4
105°	217.4	218.0	218.7	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.5	276.5	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1
110°	315.5	315.5	315.5	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	352.4	352.8	353.3	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5
115°	407.7	408.5	409.3	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0
117.5°	463.6	463.5	463.5	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6
120°	498.9	498.7	498.5	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8
122.5°	530.9	531.5	532.2	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5
125°	579.8	580.9	582.1	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5
127.5°	625.6	626.4	627.3	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3
130°	653.9	654.7	655.5	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5
132.5°	682.3	683.2	684.2	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8
135°	722.6	723.6	724.6	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0
137.5°	759.5	760.3	761.2	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3
140°	783.2	783.4	783.8	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2
142.5°	804.8	805.0	805.2	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7
145°	837.0	837.3	837.6	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4
147.5°	864.6	864.5	864.4	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6
150°	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0
152.5°	898.7	898.0	897.3	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3
155°	920.4	919.5	918.4	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5
157.5°	937.7	937.2	936.6	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9
160°	949.1	948.2	947.2	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7
162.5°	958.6	957.6	956.6	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7
165°	971.3	970.3	969.3	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5
167.5°	980.7	979.7	978.6	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2
170°	985.8	984.7	983.5	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1
172.5°	989.4	988.3	987.1	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0
175°	993.3	992.4	991.5	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3
177.5°	995.3	994.6	993.8	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



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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°	15.7	16.5	15.5	15.0	15.1	15.7	16.5
90°	14.2	15.1	15.7	16.2	16.7	17.2	17.7
92.5°	14.2	15.1	15.6	15.8	16.0	16.3	16.5
95°	14.2	15.1	15.5	15.5	15.5	15.5	15.5
97.5°	22.4	17.8	15.5	15.5	15.5	15.5	15.5
100°	55.0	30.6	18.1	17.4	16.8	16.1	15.5
102.5°	149.8	145.2	137.3	126.1	115.0	103.9	92.7
105°	219.6	219.6	219.6	219.4	219.2	219.0	219.0
107.5°	278.1	278.1	278.0	277.5	276.9	276.4	276.0
110°	315.5	315.0	314.8	315.0	315.2	315.3	315.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.8	352.2	351.8	351.6	351.3	351.1	350.9
115°	409.3	408.7	407.8	406.9	405.9	404.9	404.0
117.5°	463.7	462.9	462.2	461.8	461.4	461.0	460.5
120°	499.5	499.2	498.6	497.8	497.0	496.2	495.3
122.5°	533.1	532.8	532.2	531.2	530.3	529.3	528.4
125°	581.8	581.2	580.6	580.1	579.6	579.1	578.6
127.5°	627.0	626.6	625.8	624.6	623.4	622.2	620.9
130°	656.0	655.5	654.9	654.0	653.3	652.4	651.6
132.5°	683.7	683.6	683.2	682.4	681.6	680.7	680.0
135°	723.6	723.3	722.6	721.6	720.7	719.6	718.7
137.5°	761.3	761.4	761.0	760.2	759.3	758.5	757.6
140°	784.6	784.9	784.6	783.5	782.6	781.6	780.6
142.5°	806.7	806.8	806.3	805.4	804.4	803.4	802.4
145°	838.6	838.8	838.3	837.4	836.4	835.4	834.4
147.5°	865.8	866.0	865.5	864.3	863.2	862.0	860.8
150°	883.4	883.6	883.2	881.8	880.5	879.2	877.9
152.5°	898.6	899.0	898.5	897.4	896.2	895.0	893.8
155°	919.9	920.4	920.0	918.7	917.4	916.1	914.7
157.5°	937.5	937.9	937.5	936.2	934.9	933.6	932.3
160°	948.4	949.0	948.8	947.4	946.1	944.8	943.5
162.5°	958.7	959.5	959.3	957.8	956.4	955.0	953.6
165°	971.5	972.5	972.3	971.0	969.7	968.4	967.0
167.5°	981.4	982.6	982.4	980.9	979.5	978.0	976.6
170°	986.5	987.8	987.7	986.3	984.8	983.3	981.8
172.5°	990.2	991.5	991.3	989.8	988.4	986.8	985.3
175°	994.6	995.9	995.8	994.4	992.9	991.5	990.0
177.5°	995.9	996.8	996.8	995.7	994.7	993.6	992.6
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4

(END OF REPORT)