

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: P333636-830

Luminaire Tested: **S125RDIP-S1270D1205U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333636-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8713.7 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

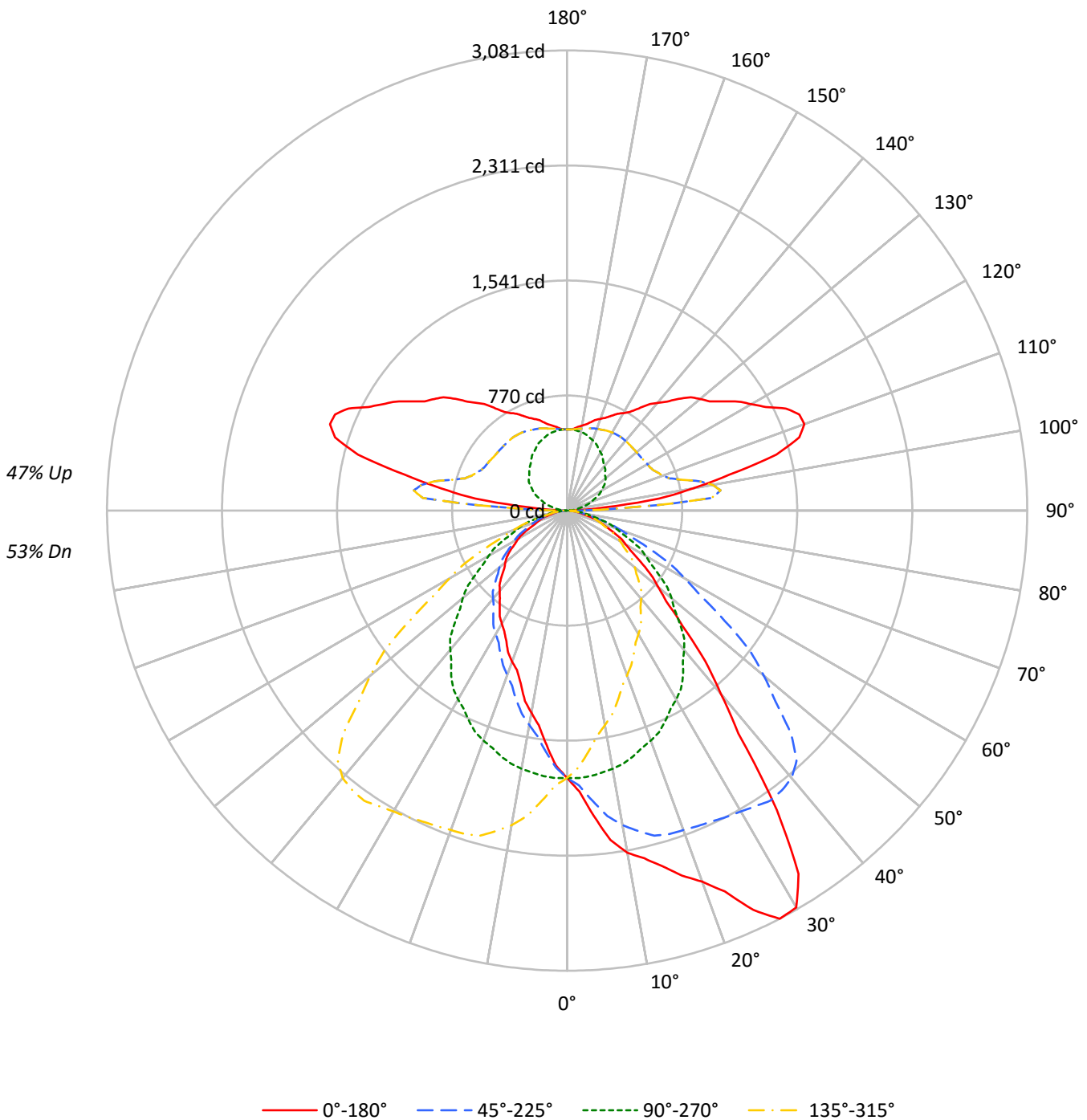
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	61	53	52	51	46
2	90	83	77	72	84	77	72	68	67	63	59	56	54	51	47	45	43	39
3	83	74	66	61	76	69	62	57	59	54	50	50	47	44	42	40	37	33
4	76	65	58	52	70	61	54	49	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	55	47	42	47	42	37	41	36	33	34	31	29	25
6	64	52	44	39	60	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	47	40	34	55	44	37	32	39	33	29	33	29	26	28	25	22	20
8	55	43	35	30	51	40	34	29	35	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	22	19	17	15

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	2.0
10°-20°	503.0	5.8
20°-30°	797.5	9.2
30°-40°	961.7	11.0
40°-50°	858.8	9.9
50°-60°	658.6	7.6
60°-70°	428.0	4.9
70°-80°	208.1	2.4
80°-90°	52.7	0.6
90°-100°	393.7	4.5
100°-110°	846.4	9.7
110°-120°	794.4	9.1
120°-130°	643.8	7.4
130°-140°	516.6	5.9
140°-150°	389.9	4.5
150°-160°	274.4	3.1
160°-170°	161.8	1.9
170°-180°	52.6	0.6
0°-30°	1472.1	16.9
0°-40°	2433.8	27.9
0°-60°	3951.3	45.3
0°-90°	4640.1	53.3
90°-120°	2034.5	23.3
90°-150°	3584.8	41.1
90°-180°	4074.0	46.8
0°-180°	8713.7	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°	25	1	25	1	25	19
95°	257	36	257	36	257	365
105°	1451	124	1451	124	1451	1442
115°	1616	221	1616	221	1616	1579
125°	1274	307	1274	307	1274	1152
135°	1058	359	1058	359	1058	820
145°	834	418	834	418	834	530
155°	700	478	700	478	700	326
165°	613	521	613	521	613	175
175°	551	542	551	542	551	54
180°	543	543	543	543	543	



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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°	18.0	17.3	16.6	16.6	17.2	17.9	17.1	16.3	16.0	15.8	16.0
90°	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7	18.7	17.5	15.4
92.5°	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1	285.9	353.1	358.8
95°	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4	949.5	970.3	791.8
97.5°	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7	1201.5	1036.2	707.1
100°	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1	1262.7	988.9	630.8
102.5°	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8	1226.0	905.7	573.0
105°	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2	1108.3	794.0	516.9
107.5°	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6	988.4	717.1	493.2
110°	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5	919.9	681.2	486.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7	869.1	660.2	486.3
115°	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5	813.7	637.4	489.6
117.5°	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1	780.6	626.2	496.8
120°	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7	762.2	620.9	503.8
122.5°	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0	746.5	616.6	509.9
125°	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6	725.0	611.1	520.2
127.5°	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5	705.3	608.5	531.8
130°	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7	692.2	606.7	538.9
132.5°	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7	681.6	606.7	546.7
135°	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2	669.2	606.7	557.4
137.5°	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2	658.0	608.0	567.3
140°	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0	652.7	608.9	571.7
142.5°	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6	648.4	609.8	574.3
145°	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7	641.8	608.9	577.2
147.5°	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8	635.0	606.1	578.2
150°	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8	629.7	603.4	578.2
152.5°	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1	623.6	599.9	577.4
155°	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9	613.3	593.6	575.0
157.5°	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8	603.7	587.0	572.1
160°	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0	595.8	582.7	569.5
162.5°	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4	588.8	577.4	566.8
165°	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0	578.2	569.5	562.9
167.5°	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3	568.0	561.8	556.8
170°	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3	561.8	557.4	554.2
172.5°	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4	555.7	552.2	550.6
175°	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9	547.6	546.5	546.5
177.5°	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0	544.1	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



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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°	16.4	15.9	16.3	15.8	14.8	17.3	18.7	19.0	18.1	17.3	16.6
90°	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1	2.2	4.3	6.6
92.5°	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4	16.2	25.4	39.0
95°	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1	37.2	46.0	58.1
97.5°	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0	61.4	67.5	79.6
100°	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6	78.9	83.2	95.3
102.5°	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1	96.4	99.9	112.8
105°	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8	123.8	129.2	140.2
107.5°	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7	154.0	159.2	168.2
110°	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9	174.2	178.5	188.4



TEST NUMBER: P333636-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1	194.3	197.7	207.6
115°	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2	223.4	226.7	236.6
117.5°	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5	250.8	254.3	264.2
120°	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0	268.3	272.7	282.6
122.5°	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4	285.9	289.4	299.2
125°	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6	308.9	314.3	324.1
127.5°	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8	328.1	335.2	347.6
130°	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2	339.5	348.3	362.5
132.5°	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0	349.1	359.7	375.7
135°	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2	363.6	376.7	394.3
137.5°	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2	380.5	392.8	410.3
140°	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7	391.0	404.2	421.7
142.5°	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9	402.4	414.6	432.2
145°	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4	420.6	431.5	446.9
147.5°	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6	438.9	448.4	462.6
150°	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0	451.2	458.9	473.2
152.5°	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3	462.6	469.4	481.9
155°	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5	477.5	484.1	495.0
157.5°	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0	491.7	497.0	506.4
160°	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6	500.5	504.9	512.6
162.5°	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4	508.4	512.7	519.5
165°	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3	519.2	522.5	527.9
167.5°	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2	528.1	530.1	533.1
170°	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4	533.4	534.4	536.7
172.5°	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0	536.0	537.1	539.2
175°	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2	539.9	541.0	542.2
177.5°	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1	542.3	542.3	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333636-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

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°	16.4	16.9	16.5	18.1	16.6	17.6	17.8	17.4	17.7	17.9	17.7
90°	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7	20.8	21.9	24.1
92.5°	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1	140.8	106.0	89.8
95°	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4	620.9	486.3	394.3
97.5°	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7	1056.0	924.8	796.8
100°	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1	1293.5	1180.6	1066.7
102.5°	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8	1438.9	1384.8	1307.7
105°	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2	1521.3	1569.4	1557.4
107.5°	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6	1447.8	1571.6	1628.8
110°	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5	1364.6	1519.0	1612.1



TEST NUMBER: P333636-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7	1282.2	1438.4	1548.1
115°	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5	1164.2	1314.2	1433.6
117.5°	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1	1082.5	1211.7	1321.3
120°	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7	1036.0	1156.5	1252.9
122.5°	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0	1002.8	1110.1	1200.3
125°	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6	958.3	1053.6	1132.5
127.5°	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5	915.8	1004.8	1078.6
130°	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7	886.0	971.5	1042.6
132.5°	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7	858.0	935.5	1004.1
135°	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2	814.8	885.0	947.3
137.5°	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2	776.3	834.5	887.6
140°	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0	753.5	803.9	849.9
142.5°	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6	734.2	777.6	817.5
145°	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7	709.6	743.7	773.2
147.5°	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8	689.3	715.4	737.7
150°	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8	678.0	698.7	718.4
152.5°	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1	666.6	685.6	701.0
155°	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9	649.4	664.8	676.8
157.5°	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8	633.2	645.1	654.5
160°	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0	620.9	631.9	639.6
162.5°	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4	610.5	619.6	626.4
165°	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0	594.7	601.2	606.7
167.5°	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3	579.4	584.4	588.3
170°	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3	570.6	573.9	576.1
172.5°	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4	562.7	565.1	566.5
175°	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9	550.9	553.1	553.1
177.5°	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0	545.8	545.8	545.8
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333636-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

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°	18.4	17.7	18.0	18.0	18.0	17.7	18.4	17.7	17.9	17.7	17.4
90°	24.1	24.1	25.2	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7
92.5°	75.8	73.1	71.6	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1
95°	316.5	283.6	274.9	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4
97.5°	729.2	667.9	636.1	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7
100°	991.2	912.3	871.8	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1
102.5°	1226.8	1170.7	1126.7	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8
105°	1522.3	1486.2	1464.2	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2
107.5°	1646.5	1646.3	1639.1	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6
110°	1661.4	1682.2	1689.9	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5



TEST NUMBER: P333636-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1620.2	1656.0	1675.0	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7
115°	1519.0	1571.6	1602.2	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5
117.5°	1406.7	1461.0	1491.5	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1
120°	1334.0	1386.5	1416.1	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7
122.5°	1272.6	1320.8	1350.4	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0
125°	1193.7	1238.7	1262.7	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6
127.5°	1134.2	1173.8	1196.7	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5
130°	1097.4	1133.5	1155.5	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7
132.5°	1058.9	1095.0	1115.1	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7
135°	995.5	1031.7	1051.4	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2
137.5°	930.7	963.6	981.8	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2
140°	890.4	918.9	935.3	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0
142.5°	851.9	875.9	891.5	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6
145°	799.5	818.1	830.2	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7
147.5°	758.6	773.5	780.4	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8
150°	734.9	748.0	752.4	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8
152.5°	714.7	725.2	729.6	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1
155°	687.8	695.4	698.7	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9
157.5°	663.0	669.4	672.4	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8
160°	647.2	652.7	655.0	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0
162.5°	632.4	637.0	637.4	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4
165°	611.1	613.3	613.3	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0
167.5°	590.5	592.5	591.6	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3
170°	578.2	579.4	579.4	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3
172.5°	566.8	568.8	567.1	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4
175°	553.1	554.2	552.0	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9
177.5°	545.0	545.8	543.2	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333636-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

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°	17.8	17.6	16.6	18.1	16.5	16.9	16.4	16.6	17.3	18.1	19.0
90°	18.7	17.5	15.4	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1
92.5°	285.9	353.1	358.8	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4
95°	949.5	970.3	791.8	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1
97.5°	1201.5	1036.2	707.1	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0
100°	1262.7	988.9	630.8	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6
102.5°	1226.0	905.7	573.0	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1
105°	1108.3	794.0	516.9	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8
107.5°	988.4	717.1	493.2	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7
110°	919.9	681.2	486.3	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9



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CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	869.1	660.2	486.3	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1
115°	813.7	637.4	489.6	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2
117.5°	780.6	626.2	496.8	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5
120°	762.2	620.9	503.8	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0
122.5°	746.5	616.6	509.9	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4
125°	725.0	611.1	520.2	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6
127.5°	705.3	608.5	531.8	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8
130°	692.2	606.7	538.9	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2
132.5°	681.6	606.7	546.7	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0
135°	669.2	606.7	557.4	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2
137.5°	658.0	608.0	567.3	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2
140°	652.7	608.9	571.7	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7
142.5°	648.4	609.8	574.3	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9
145°	641.8	608.9	577.2	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4
147.5°	635.0	606.1	578.2	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6
150°	629.7	603.4	578.2	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0
152.5°	623.6	599.9	577.4	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3
155°	613.3	593.6	575.0	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5
157.5°	603.7	587.0	572.1	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0
160°	595.8	582.7	569.5	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6
162.5°	588.8	577.4	566.8	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4
165°	578.2	569.5	562.9	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3
167.5°	568.0	561.8	556.8	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2
170°	561.8	557.4	554.2	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4
172.5°	555.7	552.2	550.6	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0
175°	547.6	546.5	546.5	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2
177.5°	544.1	543.2	543.2	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333636-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A4

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	17.3	14.8	15.8	16.3	15.9	16.4	16.0	15.8	16.0	16.3
90°	2.2	4.3	6.6	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7
92.5°	16.2	25.4	39.0	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1
95°	37.2	46.0	58.1	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4
97.5°	61.4	67.5	79.6	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7
100°	78.9	83.2	95.3	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1
102.5°	96.4	99.9	112.8	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8
105°	123.8	129.2	140.2	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2
107.5°	154.0	159.2	168.2	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6
110°	174.2	178.5	188.4	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	194.3	197.7	207.6	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7
115°	223.4	226.7	236.6	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5
117.5°	250.8	254.3	264.2	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1
120°	268.3	272.7	282.6	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7
122.5°	285.9	289.4	299.2	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0
125°	308.9	314.3	324.1	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6
127.5°	328.1	335.2	347.6	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5
130°	339.5	348.3	362.5	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7
132.5°	349.1	359.7	375.7	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7
135°	363.6	376.7	394.3	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2
137.5°	380.5	392.8	410.3	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2
140°	391.0	404.2	421.7	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0
142.5°	402.4	414.6	432.2	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6
145°	420.6	431.5	446.9	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7
147.5°	438.9	448.4	462.6	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8
150°	451.2	458.9	473.2	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8
152.5°	462.6	469.4	481.9	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1
155°	477.5	484.1	495.0	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9
157.5°	491.7	497.0	506.4	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8
160°	500.5	504.9	512.6	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0
162.5°	508.4	512.7	519.5	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4
165°	519.2	522.5	527.9	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0
167.5°	528.1	530.1	533.1	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3
170°	533.4	534.4	536.7	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3
172.5°	536.0	537.1	539.2	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4
175°	539.9	541.0	542.2	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9
177.5°	542.3	542.3	543.2	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



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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°	17.1	17.9	17.2	16.6	16.6	17.3	18.0
90°	20.8	21.9	24.1	24.1	24.1	25.2	25.2
92.5°	140.8	106.0	89.8	75.8	73.1	71.6	69.8
95°	620.9	486.3	394.3	316.5	283.6	274.9	257.4
97.5°	1056.0	924.8	796.8	729.2	667.9	636.1	622.1
100°	1293.5	1180.6	1066.7	991.2	912.3	871.8	854.2
102.5°	1438.9	1384.8	1307.7	1226.8	1170.7	1126.7	1113.6
105°	1521.3	1569.4	1557.4	1522.3	1486.2	1464.2	1451.1
107.5°	1447.8	1571.6	1628.8	1646.5	1646.3	1639.1	1630.3
110°	1364.6	1519.0	1612.1	1661.4	1682.2	1689.9	1689.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1282.2	1438.4	1548.1	1620.2	1656.0	1675.0	1682.9
115°	1164.2	1314.2	1433.6	1519.0	1571.6	1602.2	1616.5
117.5°	1082.5	1211.7	1321.3	1406.7	1461.0	1491.5	1500.2
120°	1036.0	1156.5	1252.9	1334.0	1386.5	1416.1	1424.8
122.5°	1002.8	1110.1	1200.3	1272.6	1320.8	1350.4	1358.3
125°	958.3	1053.6	1132.5	1193.7	1238.7	1262.7	1273.8
127.5°	915.8	1004.8	1078.6	1134.2	1173.8	1196.7	1201.5
130°	886.0	971.5	1042.6	1097.4	1133.5	1155.5	1162.0
132.5°	858.0	935.5	1004.1	1058.9	1095.0	1115.1	1122.6
135°	814.8	885.0	947.3	995.5	1031.7	1051.4	1058.0
137.5°	776.3	834.5	887.6	930.7	963.6	981.8	988.9
140°	753.5	803.9	849.9	890.4	918.9	935.3	940.8
142.5°	734.2	777.6	817.5	851.9	875.9	891.5	896.1
145°	709.6	743.7	773.2	799.5	818.1	830.2	834.5
147.5°	689.3	715.4	737.7	758.6	773.5	780.4	782.4
150°	678.0	698.7	718.4	734.9	748.0	752.4	753.5
152.5°	666.6	685.6	701.0	714.7	725.2	729.6	730.8
155°	649.4	664.8	676.8	687.8	695.4	698.7	699.8
157.5°	633.2	645.1	654.5	663.0	669.4	672.4	672.2
160°	620.9	631.9	639.6	647.2	652.7	655.0	653.8
162.5°	610.5	619.6	626.4	632.4	637.0	637.4	637.2
165°	594.7	601.2	606.7	611.1	613.3	613.3	613.3
167.5°	579.4	584.4	588.3	590.5	592.5	591.6	591.4
170°	570.6	573.9	576.1	578.2	579.4	579.4	578.2
172.5°	562.7	565.1	566.5	566.8	568.8	567.1	566.0
175°	550.9	553.1	553.1	553.1	554.2	552.0	550.9
177.5°	545.8	545.8	545.8	545.0	545.8	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2

(END OF REPORT)