

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: P333636-940

Luminaire Tested: **S125RDIP-S1270D1205U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333636-940
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-S1270D1205U940-4F0-1E-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: 8243.8 lumens
Efficiency: N/A
Efficacy: 115.0 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

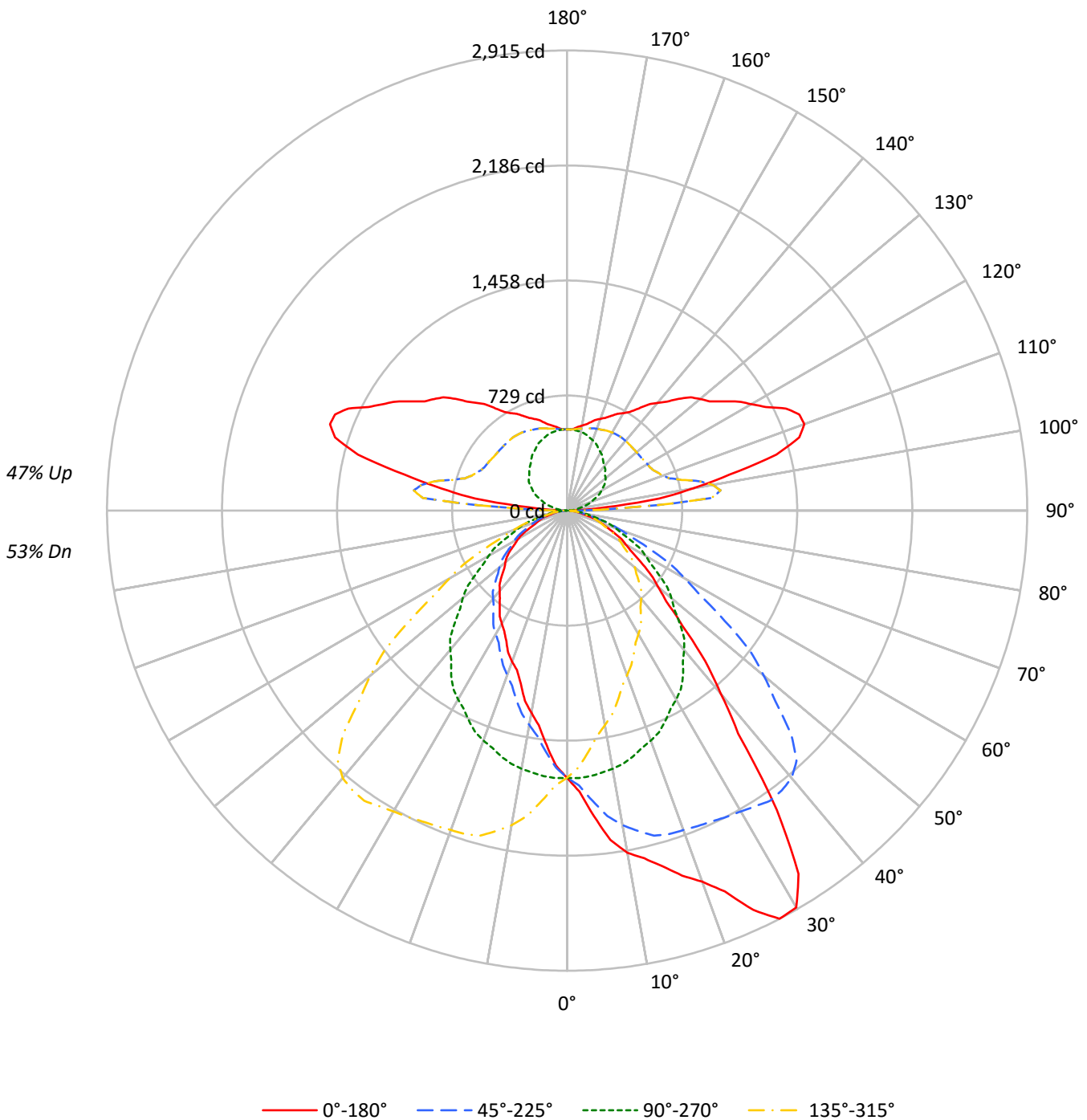
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

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°	10936	10936	10936	10936
5°	12582	10950	9671	10950
10°	14432	10895	8533	10895
15°	15588	10783	7585	10783
20°	17189	10654	7003	10654
25°	19892	10481	6499	10481
30°	21647	10300	6169	10300
35°	18260	10089	5864	10089
40°	12752	9711	5602	9711
45°	9460	9199	5345	9199
50°	7543	8667	5126	8667
55°	6402	8007	4931	8007
60°	5531	7417	4615	7417
65°	4928	6776	3972	6776
70°	4330	6209	3622	6209
75°	3748	5375	3401	5375
80°	2841	4523	2841	4523
85°	2371	3557	2675	3557



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	2.0
10°-20°	475.9	5.8
20°-30°	754.5	9.2
30°-40°	909.8	11.0
40°-50°	812.5	9.9
50°-60°	623.1	7.6
60°-70°	404.9	4.9
70°-80°	196.9	2.4
80°-90°	49.9	0.6
90°-100°	372.5	4.5
100°-110°	800.8	9.7
110°-120°	751.5	9.1
120°-130°	609.1	7.4
130°-140°	488.8	5.9
140°-150°	368.8	4.5
150°-160°	259.6	3.1
160°-170°	153.0	1.9
170°-180°	49.8	0.6
0°-30°	1392.7	16.9
0°-40°	2302.6	27.9
0°-60°	3738.2	45.3
0°-90°	4389.8	53.3
90°-120°	1924.8	23.3
90°-150°	3391.5	41.1
90°-180°	3854.0	46.8
0°-180°	8243.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1693	1693	1693	1693	1693	
5°	1941	1689	1492	1689	1941	194
15°	2331	1613	1134	1613	2331	668
25°	2792	1471	912	1471	2792	1282
35°	2316	1280	744	1280	2316	1399
45°	1036	1007	585	1007	1036	826
55°	569	711	438	711	569	516
65°	322	443	260	443	322	321
75°	150	215	136	215	150	160
85°	32	48	36	48	32	37
90°	24	1	24	1	24	18
95°	244	34	244	34	244	345
105°	1373	117	1373	117	1373	1365
115°	1529	209	1529	209	1529	1494
125°	1205	290	1205	290	1205	1090
135°	1001	340	1001	340	1001	776
145°	790	396	790	396	790	502
155°	662	452	662	452	662	309
165°	580	493	580	493	580	166
175°	521	513	521	513	521	51
180°	514	514	514	514	514	



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1781.1	1780.0	1782.3	1776.1	1776.6	1767.2	1767.2	1760.0	1750.5	1743.3	1740.0
5°	1940.7	1942.1	1939.3	1928.9	1922.0	1911.6	1899.7	1878.8	1861.4	1844.8	1831.6
7.5°	2105.1	2106.0	2096.9	2093.6	2076.1	2063.3	2037.0	2008.7	1983.5	1951.6	1927.1
10°	2200.7	2200.0	2190.2	2182.6	2167.3	2147.9	2122.2	2088.7	2057.5	2022.8	1989.4
12.5°	2256.3	2254.5	2251.4	2242.1	2227.9	2210.7	2188.9	2156.1	2117.5	2079.5	2040.5
15°	2331.4	2326.5	2317.5	2305.6	2285.5	2265.3	2241.0	2211.8	2175.0	2131.9	2095.7
17.5°	2424.2	2424.4	2410.5	2394.1	2366.7	2331.1	2293.6	2246.4	2196.4	2148.9	2110.5
20°	2501.0	2498.8	2485.0	2453.0	2421.7	2377.2	2334.1	2276.4	2215.3	2153.4	2105.4
22.5°	2611.1	2605.7	2591.2	2549.2	2500.7	2443.4	2377.5	2307.0	2233.1	2162.8	2099.9
25°	2791.5	2787.3	2758.9	2710.2	2642.0	2553.8	2467.6	2371.0	2264.7	2172.2	2095.7
27.5°	2915.0	2910.4	2889.2	2848.8	2786.0	2693.1	2576.4	2447.3	2314.5	2187.4	2077.1
30°	2902.7	2913.1	2910.4	2891.6	2844.4	2760.9	2653.2	2507.9	2350.1	2200.7	2069.3
32.5°	2728.1	2737.5	2761.9	2798.7	2801.5	2768.1	2687.7	2553.5	2390.1	2220.2	2063.2
35°	2316.0	2328.6	2375.9	2450.2	2547.5	2628.9	2645.5	2573.3	2426.6	2243.8	2054.1
37.5°	1780.6	1849.0	1888.7	1967.0	2114.1	2263.7	2407.5	2460.5	2398.1	2234.1	2039.2
40°	1512.5	1529.2	1600.1	1688.4	1812.1	1967.8	2172.9	2320.9	2325.8	2211.8	2015.8
42.5°	1294.6	1315.7	1364.3	1434.9	1540.8	1696.5	1908.2	2103.5	2194.1	2150.6	1985.2
45°	1035.7	1051.7	1087.2	1141.4	1222.7	1351.3	1533.4	1759.3	1938.7	2008.8	1903.2
47.5°	850.8	859.4	890.3	931.6	991.8	1085.5	1226.5	1422.5	1637.6	1788.5	1773.6
50°	750.7	760.5	784.1	815.4	866.1	945.3	1057.9	1221.3	1443.1	1627.2	1664.1
52.5°	672.9	680.9	695.6	725.2	767.1	828.0	918.9	1066.7	1266.2	1462.0	1547.3
55°	568.6	574.2	585.9	602.6	636.1	679.8	758.3	860.5	1021.8	1219.2	1344.3
57.5°	482.7	485.4	492.9	508.4	531.5	563.5	620.2	706.8	822.4	1000.2	1138.3
60°	428.2	431.0	440.7	451.1	469.2	498.4	542.9	603.3	714.5	861.2	1000.9
62.5°	384.8	386.5	390.7	401.1	417.0	439.4	474.5	523.8	612.2	741.1	873.1
65°	322.5	323.2	324.6	333.0	342.7	359.4	382.3	417.1	483.8	581.1	697.9
67.5°	262.8	263.7	268.6	271.5	281.7	290.4	303.9	330.5	377.5	443.1	533.9
70°	229.3	228.7	233.5	237.0	240.5	250.9	259.9	281.5	310.7	360.8	436.5
72.5°	198.2	196.4	198.5	199.7	204.4	211.4	220.5	233.7	256.2	290.7	348.7
75°	150.2	150.9	150.9	152.2	155.7	158.5	161.2	168.2	180.7	203.7	235.0
77.5°	105.4	104.2	107.2	107.6	109.7	112.7	115.1	117.9	123.1	132.5	148.6
80°	76.4	76.4	77.1	79.3	78.6	79.9	83.4	86.2	92.5	98.0	103.5
82.5°	58.7	58.1	58.8	59.2	59.1	60.5	61.7	62.2	64.6	67.4	71.3
85°	32.0	32.0	32.6	32.6	33.3	33.3	34.1	34.1	34.1	34.8	35.5
87.5°	17.0	16.4	15.7	15.7	16.2	16.9	16.1	15.4	15.2	15.0	15.2
90°	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6	17.7	16.6	14.5
92.5°	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6	270.5	334.0	339.5
95°	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9	898.3	918.0	749.1
97.5°	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5	1136.7	980.3	669.0
100°	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4	1194.6	935.6	596.8
102.5°	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0	1159.8	856.8	542.1
105°	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3	1048.6	751.2	489.0
107.5°	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4	935.0	678.4	466.6
110°	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1	870.3	644.4	460.0



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2	822.2	624.6	460.0
115°	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8	769.8	603.1	463.2
117.5°	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6	738.5	592.5	470.0
120°	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9	721.1	587.5	476.6
122.5°	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5	706.2	583.4	482.4
125°	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9	685.9	578.2	492.1
127.5°	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8	667.3	575.7	503.1
130°	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1	654.9	574.0	509.8
132.5°	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3	644.9	574.0	517.2
135°	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4	633.1	574.0	527.4
137.5°	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6	622.5	575.2	536.7
140°	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1	617.5	576.0	540.8
142.5°	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4	613.4	576.9	543.3
145°	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3	607.2	576.0	546.1
147.5°	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1	600.7	573.4	547.1
150°	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6	595.8	570.9	547.1
152.5°	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3	590.0	567.6	546.3
155°	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8	580.2	561.6	543.9
157.5°	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4	571.1	555.4	541.3
160°	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1	563.7	551.3	538.8
162.5°	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0	557.1	546.3	536.3
165°	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4	547.1	538.8	532.5
167.5°	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3	537.3	531.5	526.7
170°	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7	531.5	527.4	524.3
172.5°	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2	525.8	522.5	520.9
175°	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2	518.1	517.0	517.0
177.5°	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6	514.8	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1740.0	1736.1	1728.8	1722.2	1713.9	1706.6	1701.6	1695.5	1687.7	1678.3	1670.4
5°	1816.9	1801.7	1781.5	1764.2	1742.0	1724.6	1706.5	1689.1	1671.7	1649.5	1630.0
7.5°	1902.4	1870.8	1840.0	1801.4	1766.4	1735.1	1705.0	1674.6	1644.8	1613.3	1582.9
10°	1954.6	1916.4	1874.0	1825.3	1780.8	1738.5	1699.5	1661.3	1621.0	1585.6	1547.3
12.5°	2003.6	1954.2	1905.7	1844.2	1790.8	1739.0	1689.5	1641.8	1598.7	1552.7	1511.7
15°	2047.7	1999.1	1944.9	1869.8	1795.5	1732.9	1674.5	1612.7	1559.1	1507.7	1461.8
17.5°	2064.8	2013.8	1950.9	1878.7	1797.4	1718.7	1643.5	1575.7	1512.7	1452.8	1401.1
20°	2058.2	2008.8	1944.2	1875.4	1788.5	1706.5	1625.1	1550.1	1479.9	1416.6	1361.7
22.5°	2042.1	1991.0	1928.6	1855.9	1773.4	1686.5	1599.6	1519.5	1445.9	1380.5	1320.5
25°	2017.9	1948.4	1884.5	1813.5	1735.0	1648.8	1559.1	1470.8	1392.3	1325.5	1260.3
27.5°	1992.7	1905.9	1824.6	1754.2	1671.2	1594.3	1507.8	1417.3	1334.7	1266.8	1199.7
30°	1969.9	1872.6	1782.9	1703.0	1624.4	1551.5	1469.5	1381.2	1296.4	1226.2	1158.1
32.5°	1941.5	1838.1	1739.5	1647.3	1571.6	1499.2	1425.0	1340.6	1258.0	1185.5	1116.3
35°	1905.9	1773.9	1666.9	1568.9	1484.7	1414.5	1347.8	1279.7	1196.9	1121.9	1054.4
37.5°	1859.2	1709.4	1585.6	1478.7	1390.1	1319.6	1266.9	1204.6	1129.1	1057.2	994.7
40°	1830.9	1662.7	1527.1	1421.5	1328.3	1253.9	1204.6	1151.8	1083.0	1015.6	953.0
42.5°	1793.1	1619.9	1468.2	1358.1	1264.4	1192.8	1142.9	1096.7	1039.0	975.5	908.5
45°	1719.0	1536.9	1377.7	1259.5	1165.0	1094.8	1048.2	1007.2	963.4	905.0	846.6
47.5°	1622.5	1450.3	1283.7	1154.7	1062.1	996.9	951.7	919.4	888.1	838.4	781.7
50°	1545.2	1379.1	1216.4	1091.3	992.6	930.8	888.3	862.6	834.1	788.9	741.6
52.5°	1454.0	1305.6	1146.4	1018.4	925.3	867.4	826.6	800.9	777.4	740.6	695.5
55°	1310.3	1180.3	1034.3	918.2	832.8	774.4	735.4	711.1	697.2	665.9	630.4
57.5°	1144.4	1051.2	922.6	810.7	735.0	677.3	648.8	628.1	612.4	590.3	565.3
60°	1028.8	963.4	848.0	741.6	672.2	617.2	591.6	574.2	559.5	540.8	521.3
62.5°	911.4	863.9	763.5	672.2	608.2	562.2	538.1	522.5	505.6	492.9	474.0
65°	754.2	711.8	642.3	570.7	511.6	474.7	457.4	443.4	433.0	419.1	405.9
67.5°	586.7	569.4	521.5	472.1	429.7	396.9	381.9	372.2	359.6	351.3	342.2
70°	483.8	475.5	441.4	408.8	369.1	346.9	333.0	328.8	313.5	305.1	298.9
72.5°	392.6	388.7	369.1	346.4	318.5	299.0	286.2	281.5	271.8	265.1	261.1
75°	269.0	270.4	266.9	252.4	241.9	229.3	218.3	215.4	208.6	203.0	199.5
77.5°	170.1	177.3	177.5	176.8	172.6	165.1	160.4	158.4	151.5	149.5	148.6
80°	116.8	124.4	131.3	130.6	129.3	127.2	123.8	121.6	118.2	116.1	114.7
82.5°	77.8	85.0	90.8	94.5	94.3	92.2	89.8	88.8	88.1	86.6	86.3
85°	36.8	38.3	40.3	45.2	48.7	49.3	48.7	48.0	45.8	46.5	47.3
87.5°	15.5	15.1	15.4	15.0	14.0	16.4	17.7	18.0	17.1	16.4	15.7
90°	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1	2.1	4.1	6.2
92.5°	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7	15.3	24.1	36.9
95°	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2	35.2	43.5	54.9
97.5°	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8	58.1	63.8	75.3
100°	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5	74.6	78.7	90.2
102.5°	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0	91.2	94.5	106.7
105°	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1	117.1	122.3	132.6
107.5°	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6	145.7	150.6	159.2
110°	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6	164.8	168.9	178.3



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7	183.8	187.1	196.4
115°	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3	211.3	214.5	223.8
117.5°	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2	237.3	240.6	249.9
120°	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7	253.9	258.0	267.3
122.5°	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1	270.5	273.8	283.0
125°	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1	292.2	297.4	306.7
127.5°	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3	310.4	317.1	328.9
130°	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1	321.2	329.5	343.0
132.5°	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4	330.3	340.3	355.4
135°	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8	344.0	356.4	373.0
137.5°	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9	360.0	371.6	388.2
140°	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8	369.9	382.4	399.0
142.5°	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4	380.7	392.3	408.8
145°	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8	397.9	408.2	422.8
147.5°	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0	415.3	424.2	437.7
150°	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8	426.9	434.2	447.6
152.5°	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4	437.7	444.1	455.9
155°	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7	451.7	458.0	468.3
157.5°	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5	465.2	470.2	479.1
160°	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6	473.5	477.7	484.9
162.5°	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0	481.0	485.1	491.5
165°	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2	491.2	494.3	499.4
167.5°	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7	499.6	501.5	504.4
170°	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6	504.6	505.6	507.7
172.5°	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0	507.1	508.1	510.1
175°	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9	510.8	511.8	512.9
177.5°	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8	513.1	513.1	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1664.9	1657.2	1651.5	1640.4	1632.6	1629.3	1623.2	1621.5	1627.6	1623.2	1622.6
5°	1615.4	1595.3	1579.3	1563.3	1545.9	1534.8	1518.1	1515.3	1511.2	1504.9	1503.5
7.5°	1556.0	1529.8	1509.2	1482.8	1459.8	1441.4	1420.5	1410.6	1405.2	1397.1	1386.3
10°	1516.0	1484.7	1457.0	1430.5	1402.0	1379.1	1358.3	1342.2	1331.8	1322.1	1317.9
12.5°	1476.5	1444.7	1409.1	1377.2	1345.3	1319.6	1296.5	1286.1	1274.5	1263.1	1253.4
15°	1415.2	1372.8	1333.9	1297.1	1270.0	1242.2	1219.9	1204.6	1187.2	1182.4	1163.6
17.5°	1350.1	1308.6	1263.0	1224.2	1192.8	1162.2	1137.7	1120.3	1107.3	1089.4	1080.8
20°	1309.6	1260.3	1215.8	1180.3	1145.5	1109.4	1084.3	1069.8	1057.2	1042.7	1035.7
22.5°	1266.2	1218.0	1172.3	1130.8	1095.5	1059.9	1042.1	1027.0	1012.7	999.3	990.1
25°	1202.6	1153.9	1105.9	1062.8	1026.0	1000.2	979.4	962.0	954.4	941.2	931.4
27.5°	1139.5	1087.8	1038.0	995.1	966.2	940.8	923.6	909.9	896.1	884.6	876.1
30°	1098.9	1046.2	991.9	957.9	927.3	902.9	884.1	870.9	860.5	850.1	843.8
32.5°	1058.4	1003.9	955.7	918.9	890.0	869.0	849.7	837.0	826.1	814.5	807.2
35°	993.3	937.7	898.8	862.6	834.1	814.7	801.5	783.4	774.4	766.0	758.3
37.5°	932.8	881.1	839.0	807.3	782.6	763.2	746.1	736.4	725.2	717.7	711.4
40°	888.3	841.1	802.8	769.5	751.4	729.9	713.9	701.3	693.0	683.3	676.4
42.5°	848.3	804.4	767.2	737.3	714.7	696.5	681.1	668.5	658.0	651.0	645.2
45°	791.8	748.0	711.8	683.9	663.2	645.8	629.7	623.5	609.6	601.3	598.5
47.5°	733.2	694.0	659.1	633.5	612.1	595.7	580.7	567.9	560.3	552.1	547.6
50°	693.8	656.2	623.5	598.5	577.7	559.5	545.6	537.3	526.9	519.2	513.7
52.5°	654.2	619.5	586.8	562.8	544.8	526.7	511.2	502.8	492.9	488.1	484.2
55°	597.8	561.0	533.2	509.5	490.7	474.0	459.5	451.1	444.9	440.0	438.6
57.5°	533.9	504.6	478.8	457.5	438.0	422.3	409.6	401.6	396.1	395.4	391.2
60°	492.1	465.7	442.1	419.1	402.4	387.9	376.7	367.7	362.1	361.4	360.1
62.5°	450.4	425.1	403.1	383.0	368.0	353.9	343.4	333.2	329.9	326.5	323.3
65°	388.5	365.6	347.6	331.5	315.6	303.7	293.4	287.0	279.5	275.3	267.6
67.5°	327.8	310.0	292.7	279.2	266.6	255.4	246.7	237.5	232.3	229.0	223.4
70°	287.8	273.8	256.5	241.9	232.2	223.1	216.2	205.7	202.2	199.5	196.7
72.5°	249.9	237.7	223.1	211.3	201.6	193.1	185.0	180.1	176.7	173.9	172.3
75°	196.7	184.9	172.4	164.1	157.1	150.2	146.0	142.5	141.1	140.4	137.6
77.5°	144.5	138.2	128.1	121.5	116.9	114.1	110.4	108.6	108.4	105.4	104.4
80°	110.5	107.0	98.7	95.9	92.5	89.7	87.6	84.1	80.6	79.3	77.1
82.5°	82.1	78.6	75.3	70.9	67.9	66.3	64.2	63.0	63.4	61.4	60.5
85°	43.8	40.3	39.0	38.3	36.8	38.3	37.5	36.8	36.1	35.5	36.1
87.5°	15.5	16.0	15.6	17.1	15.7	16.7	16.9	16.5	16.8	16.9	16.8
90°	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6	19.7	20.7	22.8
92.5°	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6	133.2	100.3	85.0
95°	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9	587.5	460.0	373.0
97.5°	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5	999.1	874.9	753.9
100°	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4	1223.7	1117.0	1009.1
102.5°	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0	1361.3	1310.1	1237.2
105°	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3	1439.2	1484.8	1473.4
107.5°	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4	1369.8	1486.8	1541.0
110°	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1	1291.0	1437.1	1525.2



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2	1213.1	1360.8	1464.6
115°	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8	1101.4	1243.3	1356.3
117.5°	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6	1024.1	1146.4	1250.0
120°	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9	980.2	1094.1	1185.4
122.5°	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5	948.7	1050.3	1135.6
125°	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9	906.6	996.8	1071.4
127.5°	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8	866.4	950.6	1020.4
130°	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1	838.2	919.1	986.4
132.5°	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3	811.7	885.0	949.9
135°	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4	770.9	837.2	896.3
137.5°	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6	734.4	789.5	839.7
140°	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1	712.8	760.5	804.1
142.5°	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4	694.6	735.7	773.4
145°	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3	671.4	703.6	731.5
147.5°	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1	652.1	676.8	697.9
150°	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6	641.4	661.0	679.7
152.5°	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3	630.6	648.6	663.2
155°	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8	614.4	628.9	640.3
157.5°	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4	599.1	610.3	619.2
160°	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1	587.5	597.8	605.1
162.5°	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0	577.6	586.2	592.6
165°	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4	562.6	568.8	574.0
167.5°	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3	548.1	552.9	556.6
170°	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7	539.8	543.0	545.0
172.5°	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2	532.4	534.7	535.9
175°	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2	521.2	523.3	523.3
177.5°	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6	516.4	516.4	516.4
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1622.1	1616.0	1614.3	1616.5	1614.3	1616.0	1622.1	1622.6	1623.2	1627.6	1621.5
5°	1496.6	1489.6	1493.1	1491.7	1493.1	1489.6	1496.6	1503.5	1504.9	1511.2	1515.3
7.5°	1386.2	1377.5	1368.3	1371.3	1368.3	1377.5	1386.2	1386.3	1397.1	1405.2	1410.6
10°	1308.9	1301.9	1297.7	1301.2	1297.7	1301.9	1308.9	1317.9	1322.1	1331.8	1342.2
12.5°	1243.8	1239.7	1236.0	1234.5	1236.0	1239.7	1243.8	1253.4	1263.1	1274.5	1286.1
15°	1155.2	1146.9	1143.4	1134.4	1143.4	1146.9	1155.2	1163.6	1182.4	1187.2	1204.6
17.5°	1073.6	1070.9	1061.8	1057.9	1061.8	1070.9	1073.6	1080.8	1089.4	1107.3	1120.3
20°	1025.3	1022.5	1013.4	1019.0	1013.4	1022.5	1025.3	1035.7	1042.7	1057.2	1069.8
22.5°	985.3	979.1	976.2	974.6	976.2	979.1	985.3	990.1	999.3	1012.7	1027.0
25°	928.6	919.6	916.1	912.0	916.1	919.6	928.6	931.4	941.2	954.4	962.0
27.5°	872.2	867.4	862.7	861.7	862.7	867.4	872.2	876.1	884.6	896.1	909.9
30°	835.5	830.6	827.2	827.2	827.2	830.6	835.5	843.8	850.1	860.5	870.9
32.5°	802.7	799.0	795.5	795.0	795.5	799.0	802.7	807.2	814.5	826.1	837.0
35°	754.9	749.3	748.0	743.8	748.0	749.3	754.9	758.3	766.0	774.4	783.4
37.5°	705.3	700.6	700.5	700.1	700.5	700.6	705.3	711.4	717.7	725.2	736.4
40°	673.5	670.0	669.4	664.5	669.4	670.0	673.5	676.4	683.3	693.0	701.3
42.5°	639.6	637.8	635.4	633.4	635.4	637.8	639.6	645.2	651.0	658.0	668.5
45°	593.6	588.7	588.7	585.2	588.7	588.7	593.6	598.5	601.3	609.6	623.5
47.5°	546.1	542.3	542.7	539.1	542.7	542.3	546.1	547.6	552.1	560.3	567.9
50°	514.3	512.3	511.6	510.2	511.6	512.3	514.3	513.7	519.2	526.9	537.3
52.5°	482.7	481.7	484.4	481.3	484.4	481.7	482.7	484.2	488.1	492.9	502.8
55°	440.0	437.9	442.1	437.9	442.1	437.9	440.0	438.6	440.0	444.9	451.1
57.5°	390.9	389.0	392.7	390.7	392.7	389.0	390.9	391.2	395.4	396.1	401.6
60°	358.6	354.5	356.6	357.3	356.6	354.5	358.6	360.1	361.4	362.1	367.7
62.5°	320.3	317.8	319.3	316.1	319.3	317.8	320.3	323.3	326.5	329.9	333.2
65°	266.3	264.1	261.4	259.9	261.4	264.1	266.3	267.6	275.3	279.5	287.0
67.5°	223.6	218.6	218.6	219.6	218.6	218.6	223.6	223.4	229.0	232.3	237.5
70°	192.5	192.5	191.8	191.8	191.8	192.5	192.5	196.7	199.5	202.2	205.7
72.5°	170.9	170.3	169.1	168.5	169.1	170.3	170.9	172.3	173.9	176.7	180.1
75°	137.6	138.3	137.0	136.3	137.0	138.3	137.6	137.6	140.4	141.1	142.5
77.5°	101.7	98.7	100.2	98.7	100.2	98.7	101.7	104.4	105.4	108.4	108.6
80°	77.1	76.4	78.6	76.4	78.6	76.4	77.1	77.1	79.3	80.6	84.1
82.5°	61.0	60.4	61.3	59.7	61.3	60.4	61.0	60.5	61.4	63.4	63.0
85°	36.8	36.1	35.5	36.1	35.5	36.1	36.8	36.1	35.5	36.1	36.8
87.5°	17.4	16.8	17.0	17.0	17.0	16.8	17.4	16.8	16.9	16.8	16.5
90°	22.8	22.8	23.8	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6
92.5°	71.7	69.2	67.8	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6
95°	299.4	268.3	260.1	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9
97.5°	689.8	631.9	601.8	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5
100°	937.7	863.1	824.7	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4
102.5°	1160.7	1107.6	1066.0	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0
105°	1440.2	1406.0	1385.3	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3
107.5°	1557.7	1557.6	1550.7	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4
110°	1571.8	1591.5	1598.7	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1532.9	1566.6	1584.7	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2
115°	1437.1	1486.8	1515.8	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8
117.5°	1330.8	1382.2	1411.0	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6
120°	1262.0	1311.7	1339.7	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9
122.5°	1204.0	1249.6	1277.6	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5
125°	1129.4	1171.9	1194.6	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9
127.5°	1073.0	1110.5	1132.1	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8
130°	1038.2	1072.4	1093.1	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1
132.5°	1001.7	1035.9	1055.0	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3
135°	941.8	976.1	994.7	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4
137.5°	880.5	911.6	928.8	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6
140°	842.4	869.3	884.8	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1
142.5°	805.9	828.7	843.4	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4
145°	756.3	774.0	785.4	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3
147.5°	717.6	731.7	738.3	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1
150°	695.3	707.7	711.9	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6
152.5°	676.2	686.1	690.3	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3
155°	650.7	657.9	661.0	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8
157.5°	627.2	633.3	636.1	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4
160°	612.3	617.5	619.6	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1
162.5°	598.2	602.6	603.1	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0
165°	578.2	580.2	580.2	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4
167.5°	558.7	560.5	559.7	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3
170°	547.1	548.1	548.1	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7
172.5°	536.3	538.1	536.5	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2
175°	523.3	524.3	522.2	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2
177.5°	515.6	516.4	513.9	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1623.2	1629.3	1632.6	1640.4	1651.5	1657.2	1664.9	1670.4	1678.3	1687.7	1695.5
5°	1518.1	1534.8	1545.9	1563.3	1579.3	1595.3	1615.4	1630.0	1649.5	1671.7	1689.1
7.5°	1420.5	1441.4	1459.8	1482.8	1509.2	1529.8	1556.0	1582.9	1613.3	1644.8	1674.6
10°	1358.3	1379.1	1402.0	1430.5	1457.0	1484.7	1516.0	1547.3	1585.6	1621.0	1661.3
12.5°	1296.5	1319.6	1345.3	1377.2	1409.1	1444.7	1476.5	1511.7	1552.7	1598.7	1641.8
15°	1219.9	1242.2	1270.0	1297.1	1333.9	1372.8	1415.2	1461.8	1507.7	1559.1	1612.7
17.5°	1137.7	1162.2	1192.8	1224.2	1263.0	1308.6	1350.1	1401.1	1452.8	1512.7	1575.7
20°	1084.3	1109.4	1145.5	1180.3	1215.8	1260.3	1309.6	1361.7	1416.6	1479.9	1550.1
22.5°	1042.1	1059.9	1095.5	1130.8	1172.3	1218.0	1266.2	1320.5	1380.5	1445.9	1519.5
25°	979.4	1000.2	1026.0	1062.8	1105.9	1153.9	1202.6	1260.3	1325.5	1392.3	1470.8
27.5°	923.6	940.8	966.2	995.1	1038.0	1087.8	1139.5	1199.7	1266.8	1334.7	1417.3
30°	884.1	902.9	927.3	957.9	991.9	1046.2	1098.9	1158.1	1226.2	1296.4	1381.2
32.5°	849.7	869.0	890.0	918.9	955.7	1003.9	1058.4	1116.3	1185.5	1258.0	1340.6
35°	801.5	814.7	834.1	862.6	898.8	937.7	993.3	1054.4	1121.9	1196.9	1279.7
37.5°	746.1	763.2	782.6	807.3	839.0	881.1	932.8	994.7	1057.2	1129.1	1204.6
40°	713.9	729.9	751.4	769.5	802.8	841.1	888.3	953.0	1015.6	1083.0	1151.8
42.5°	681.1	696.5	714.7	737.3	767.2	804.4	848.3	908.5	975.5	1039.0	1096.7
45°	629.7	645.8	663.2	683.9	711.8	748.0	791.8	846.6	905.0	963.4	1007.2
47.5°	580.7	595.7	612.1	633.5	659.1	694.0	733.2	781.7	838.4	888.1	919.4
50°	545.6	559.5	577.7	598.5	623.5	656.2	693.8	741.6	788.9	834.1	862.6
52.5°	511.2	526.7	544.8	562.8	586.8	619.5	654.2	695.5	740.6	777.4	800.9
55°	459.5	474.0	490.7	509.5	533.2	561.0	597.8	630.4	665.9	697.2	711.1
57.5°	409.6	422.3	438.0	457.5	478.8	504.6	533.9	565.3	590.3	612.4	628.1
60°	376.7	387.9	402.4	419.1	442.1	465.7	492.1	521.3	540.8	559.5	574.2
62.5°	343.4	353.9	368.0	383.0	403.1	425.1	450.4	474.0	492.9	505.6	522.5
65°	293.4	303.7	315.6	331.5	347.6	365.6	388.5	405.9	419.1	433.0	443.4
67.5°	246.7	255.4	266.6	279.2	292.7	310.0	327.8	342.2	351.3	359.6	372.2
70°	216.2	223.1	232.2	241.9	256.5	273.8	287.8	298.9	305.1	313.5	328.8
72.5°	185.0	193.1	201.6	211.3	223.1	237.7	249.9	261.1	265.1	271.8	281.5
75°	146.0	150.2	157.1	164.1	172.4	184.9	196.7	199.5	203.0	208.6	215.4
77.5°	110.4	114.1	116.9	121.5	128.1	138.2	144.5	148.6	149.5	151.5	158.4
80°	87.6	89.7	92.5	95.9	98.7	107.0	110.5	114.7	116.1	118.2	121.6
82.5°	64.2	66.3	67.9	70.9	75.3	78.6	82.1	86.3	86.6	88.1	88.8
85°	37.5	38.3	36.8	38.3	39.0	40.3	43.8	47.3	46.5	45.8	48.0
87.5°	16.9	16.7	15.7	17.1	15.6	16.0	15.5	15.7	16.4	17.1	18.0
90°	17.7	16.6	14.5	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1
92.5°	270.5	334.0	339.5	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7
95°	898.3	918.0	749.1	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2
97.5°	1136.7	980.3	669.0	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8
100°	1194.6	935.6	596.8	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5
102.5°	1159.8	856.8	542.1	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0
105°	1048.6	751.2	489.0	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1
107.5°	935.0	678.4	466.6	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6
110°	870.3	644.4	460.0	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	822.2	624.6	460.0	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7
115°	769.8	603.1	463.2	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3
117.5°	738.5	592.5	470.0	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2
120°	721.1	587.5	476.6	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7
122.5°	706.2	583.4	482.4	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1
125°	685.9	578.2	492.1	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1
127.5°	667.3	575.7	503.1	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3
130°	654.9	574.0	509.8	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1
132.5°	644.9	574.0	517.2	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4
135°	633.1	574.0	527.4	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8
137.5°	622.5	575.2	536.7	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9
140°	617.5	576.0	540.8	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8
142.5°	613.4	576.9	543.3	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4
145°	607.2	576.0	546.1	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8
147.5°	600.7	573.4	547.1	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0
150°	595.8	570.9	547.1	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8
152.5°	590.0	567.6	546.3	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4
155°	580.2	561.6	543.9	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7
157.5°	571.1	555.4	541.3	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5
160°	563.7	551.3	538.8	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6
162.5°	557.1	546.3	536.3	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0
165°	547.1	538.8	532.5	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2
167.5°	537.3	531.5	526.7	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7
170°	531.5	527.4	524.3	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6
172.5°	525.8	522.5	520.9	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0
175°	518.1	517.0	517.0	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9
177.5°	514.8	513.9	513.9	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1701.6	1706.6	1713.9	1722.2	1728.8	1736.1	1740.0	1740.0	1743.3	1750.5	1760.0
5°	1706.5	1724.6	1742.0	1764.2	1781.5	1801.7	1816.9	1831.6	1844.8	1861.4	1878.8
7.5°	1705.0	1735.1	1766.4	1801.4	1840.0	1870.8	1902.4	1927.1	1951.6	1983.5	2008.7
10°	1699.5	1738.5	1780.8	1825.3	1874.0	1916.4	1954.6	1989.4	2022.8	2057.5	2088.7
12.5°	1689.5	1739.0	1790.8	1844.2	1905.7	1954.2	2003.6	2040.5	2079.5	2117.5	2156.1
15°	1674.5	1732.9	1795.5	1869.8	1944.9	1999.1	2047.7	2095.7	2131.9	2175.0	2211.8
17.5°	1643.5	1718.7	1797.4	1878.7	1950.9	2013.8	2064.8	2110.5	2148.9	2196.4	2246.4
20°	1625.1	1706.5	1788.5	1875.4	1944.2	2008.8	2058.2	2105.4	2153.4	2215.3	2276.4
22.5°	1599.6	1686.5	1773.4	1855.9	1928.6	1991.0	2042.1	2099.9	2162.8	2233.1	2307.0
25°	1559.1	1648.8	1735.0	1813.5	1884.5	1948.4	2017.9	2095.7	2172.2	2264.7	2371.0
27.5°	1507.8	1594.3	1671.2	1754.2	1824.6	1905.9	1992.7	2077.1	2187.4	2314.5	2447.3
30°	1469.5	1551.5	1624.4	1703.0	1782.9	1872.6	1969.9	2069.3	2200.7	2350.1	2507.9
32.5°	1425.0	1499.2	1571.6	1647.3	1739.5	1838.1	1941.5	2063.2	2220.2	2390.1	2553.5
35°	1347.8	1414.5	1484.7	1568.9	1666.9	1773.9	1905.9	2054.1	2243.8	2426.6	2573.3
37.5°	1266.9	1319.6	1390.1	1478.7	1585.6	1709.4	1859.2	2039.2	2234.1	2398.1	2460.5
40°	1204.6	1253.9	1328.3	1421.5	1527.1	1662.7	1830.9	2015.8	2211.8	2325.8	2320.9
42.5°	1142.9	1192.8	1264.4	1358.1	1468.2	1619.9	1793.1	1985.2	2150.6	2194.1	2103.5
45°	1048.2	1094.8	1165.0	1259.5	1377.7	1536.9	1719.0	1903.2	2008.8	1938.7	1759.3
47.5°	951.7	996.9	1062.1	1154.7	1283.7	1450.3	1622.5	1773.6	1788.5	1637.6	1422.5
50°	888.3	930.8	992.6	1091.3	1216.4	1379.1	1545.2	1664.1	1627.2	1443.1	1221.3
52.5°	826.6	867.4	925.3	1018.4	1146.4	1305.6	1454.0	1547.3	1462.0	1266.2	1066.7
55°	735.4	774.4	832.8	918.2	1034.3	1180.3	1310.3	1344.3	1219.2	1021.8	860.5
57.5°	648.8	677.3	735.0	810.7	922.6	1051.2	1144.4	1138.3	1000.2	822.4	706.8
60°	591.6	617.2	672.2	741.6	848.0	963.4	1028.8	1000.9	861.2	714.5	603.3
62.5°	538.1	562.2	608.2	672.2	763.5	863.9	911.4	873.1	741.1	612.2	523.8
65°	457.4	474.7	511.6	570.7	642.3	711.8	754.2	697.9	581.1	483.8	417.1
67.5°	381.9	396.9	429.7	472.1	521.5	569.4	586.7	533.9	443.1	377.5	330.5
70°	333.0	346.9	369.1	408.8	441.4	475.5	483.8	436.5	360.8	310.7	281.5
72.5°	286.2	299.0	318.5	346.4	369.1	388.7	392.6	348.7	290.7	256.2	233.7
75°	218.3	229.3	241.9	252.4	266.9	270.4	269.0	235.0	203.7	180.7	168.2
77.5°	160.4	165.1	172.6	176.8	177.5	177.3	170.1	148.6	132.5	123.1	117.9
80°	123.8	127.2	129.3	130.6	131.3	124.4	116.8	103.5	98.0	92.5	86.2
82.5°	89.8	92.2	94.3	94.5	90.8	85.0	77.8	71.3	67.4	64.6	62.2
85°	48.7	49.3	48.7	45.2	40.3	38.3	36.8	35.5	34.8	34.1	34.1
87.5°	17.7	16.4	14.0	15.0	15.4	15.1	15.5	15.2	15.0	15.2	15.4
90°	2.1	4.1	6.2	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6
92.5°	15.3	24.1	36.9	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6
95°	35.2	43.5	54.9	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9
97.5°	58.1	63.8	75.3	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5
100°	74.6	78.7	90.2	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4
102.5°	91.2	94.5	106.7	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0
105°	117.1	122.3	132.6	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3
107.5°	145.7	150.6	159.2	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4
110°	164.8	168.9	178.3	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	183.8	187.1	196.4	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2
115°	211.3	214.5	223.8	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8
117.5°	237.3	240.6	249.9	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6
120°	253.9	258.0	267.3	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9
122.5°	270.5	273.8	283.0	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5
125°	292.2	297.4	306.7	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9
127.5°	310.4	317.1	328.9	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8
130°	321.2	329.5	343.0	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1
132.5°	330.3	340.3	355.4	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3
135°	344.0	356.4	373.0	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4
137.5°	360.0	371.6	388.2	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6
140°	369.9	382.4	399.0	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1
142.5°	380.7	392.3	408.8	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4
145°	397.9	408.2	422.8	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3
147.5°	415.3	424.2	437.7	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1
150°	426.9	434.2	447.6	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6
152.5°	437.7	444.1	455.9	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3
155°	451.7	458.0	468.3	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8
157.5°	465.2	470.2	479.1	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4
160°	473.5	477.7	484.9	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1
162.5°	481.0	485.1	491.5	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0
165°	491.2	494.3	499.4	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4
167.5°	499.6	501.5	504.4	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3
170°	504.6	505.6	507.7	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7
172.5°	507.1	508.1	510.1	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2
175°	510.8	511.8	512.9	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2
177.5°	513.1	513.1	513.9	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1767.2	1767.2	1776.6	1776.1	1782.3	1780.0	1781.1
5°	1899.7	1911.6	1922.0	1928.9	1939.3	1942.1	1940.7
7.5°	2037.0	2063.3	2076.1	2093.6	2096.9	2106.0	2105.1
10°	2122.2	2147.9	2167.3	2182.6	2190.2	2200.0	2200.7
12.5°	2188.9	2210.7	2227.9	2242.1	2251.4	2254.5	2256.3
15°	2241.0	2265.3	2285.5	2305.6	2317.5	2326.5	2331.4
17.5°	2293.6	2331.1	2366.7	2394.1	2410.5	2424.4	2424.2
20°	2334.1	2377.2	2421.7	2453.0	2485.0	2498.8	2501.0
22.5°	2377.5	2443.4	2500.7	2549.2	2591.2	2605.7	2611.1
25°	2467.6	2553.8	2642.0	2710.2	2758.9	2787.3	2791.5
27.5°	2576.4	2693.1	2786.0	2848.8	2889.2	2910.4	2915.0
30°	2653.2	2760.9	2844.4	2891.6	2910.4	2913.1	2902.7
32.5°	2687.7	2768.1	2801.5	2798.7	2761.9	2737.5	2728.1
35°	2645.5	2628.9	2547.5	2450.2	2375.9	2328.6	2316.0
37.5°	2407.5	2263.7	2114.1	1967.0	1888.7	1849.0	1780.6
40°	2172.9	1967.8	1812.1	1688.4	1600.1	1529.2	1512.5
42.5°	1908.2	1696.5	1540.8	1434.9	1364.3	1315.7	1294.6
45°	1533.4	1351.3	1222.7	1141.4	1087.2	1051.7	1035.7
47.5°	1226.5	1085.5	991.8	931.6	890.3	859.4	850.8
50°	1057.9	945.3	866.1	815.4	784.1	760.5	750.7
52.5°	918.9	828.0	767.1	725.2	695.6	680.9	672.9
55°	758.3	679.8	636.1	602.6	585.9	574.2	568.6
57.5°	620.2	563.5	531.5	508.4	492.9	485.4	482.7
60°	542.9	498.4	469.2	451.1	440.7	431.0	428.2
62.5°	474.5	439.4	417.0	401.1	390.7	386.5	384.8
65°	382.3	359.4	342.7	333.0	324.6	323.2	322.5
67.5°	303.9	290.4	281.7	271.5	268.6	263.7	262.8
70°	259.9	250.9	240.5	237.0	233.5	228.7	229.3
72.5°	220.5	211.4	204.4	199.7	198.5	196.4	198.2
75°	161.2	158.5	155.7	152.2	150.9	150.9	150.2
77.5°	115.1	112.7	109.7	107.6	107.2	104.2	105.4
80°	83.4	79.9	78.6	79.3	77.1	76.4	76.4
82.5°	61.7	60.5	59.1	59.2	58.8	58.1	58.7
85°	34.1	33.3	33.3	32.6	32.6	32.0	32.0
87.5°	16.1	16.9	16.2	15.7	15.7	16.4	17.0
90°	19.7	20.7	22.8	22.8	22.8	23.8	23.8
92.5°	133.2	100.3	85.0	71.7	69.2	67.8	66.1
95°	587.5	460.0	373.0	299.4	268.3	260.1	243.5
97.5°	999.1	874.9	753.9	689.8	631.9	601.8	588.5
100°	1223.7	1117.0	1009.1	937.7	863.1	824.7	808.2
102.5°	1361.3	1310.1	1237.2	1160.7	1107.6	1066.0	1053.6
105°	1439.2	1484.8	1473.4	1440.2	1406.0	1385.3	1372.9
107.5°	1369.8	1486.8	1541.0	1557.7	1557.6	1550.7	1542.4
110°	1291.0	1437.1	1525.2	1571.8	1591.5	1598.7	1598.7



TEST NUMBER: P333636-940

CATALOG NUMBER: S125RDIP-S1270D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1213.1	1360.8	1464.6	1532.9	1566.6	1584.7	1592.1
115°	1101.4	1243.3	1356.3	1437.1	1486.8	1515.8	1529.3
117.5°	1024.1	1146.4	1250.0	1330.8	1382.2	1411.0	1419.2
120°	980.2	1094.1	1185.4	1262.0	1311.7	1339.7	1348.0
122.5°	948.7	1050.3	1135.6	1204.0	1249.6	1277.6	1285.0
125°	906.6	996.8	1071.4	1129.4	1171.9	1194.6	1205.1
127.5°	866.4	950.6	1020.4	1073.0	1110.5	1132.1	1136.7
130°	838.2	919.1	986.4	1038.2	1072.4	1093.1	1099.3
132.5°	811.7	885.0	949.9	1001.7	1035.9	1055.0	1062.0
135°	770.9	837.2	896.3	941.8	976.1	994.7	1000.9
137.5°	734.4	789.5	839.7	880.5	911.6	928.8	935.6
140°	712.8	760.5	804.1	842.4	869.3	884.8	890.0
142.5°	694.6	735.7	773.4	805.9	828.7	843.4	847.7
145°	671.4	703.6	731.5	756.3	774.0	785.4	789.5
147.5°	652.1	676.8	697.9	717.6	731.7	738.3	740.2
150°	641.4	661.0	679.7	695.3	707.7	711.9	712.8
152.5°	630.6	648.6	663.2	676.2	686.1	690.3	691.3
155°	614.4	628.9	640.3	650.7	657.9	661.0	662.1
157.5°	599.1	610.3	619.2	627.2	633.3	636.1	636.0
160°	587.5	597.8	605.1	612.3	617.5	619.6	618.6
162.5°	577.6	586.2	592.6	598.2	602.6	603.1	602.8
165°	562.6	568.8	574.0	578.2	580.2	580.2	580.2
167.5°	548.1	552.9	556.6	558.7	560.5	559.7	559.5
170°	539.8	543.0	545.0	547.1	548.1	548.1	547.1
172.5°	532.4	534.7	535.9	536.3	538.1	536.5	535.5
175°	521.2	523.3	523.3	523.3	524.3	522.2	521.2
177.5°	516.4	516.4	516.4	515.6	516.4	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9

(END OF REPORT)