

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: P333606-840

Luminaire Tested: **S125RDIP-S1090D1205U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333606-840
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-S1090D1205U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 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: 8669.6 lumens
Efficiency: N/A
Efficacy: 132.6 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

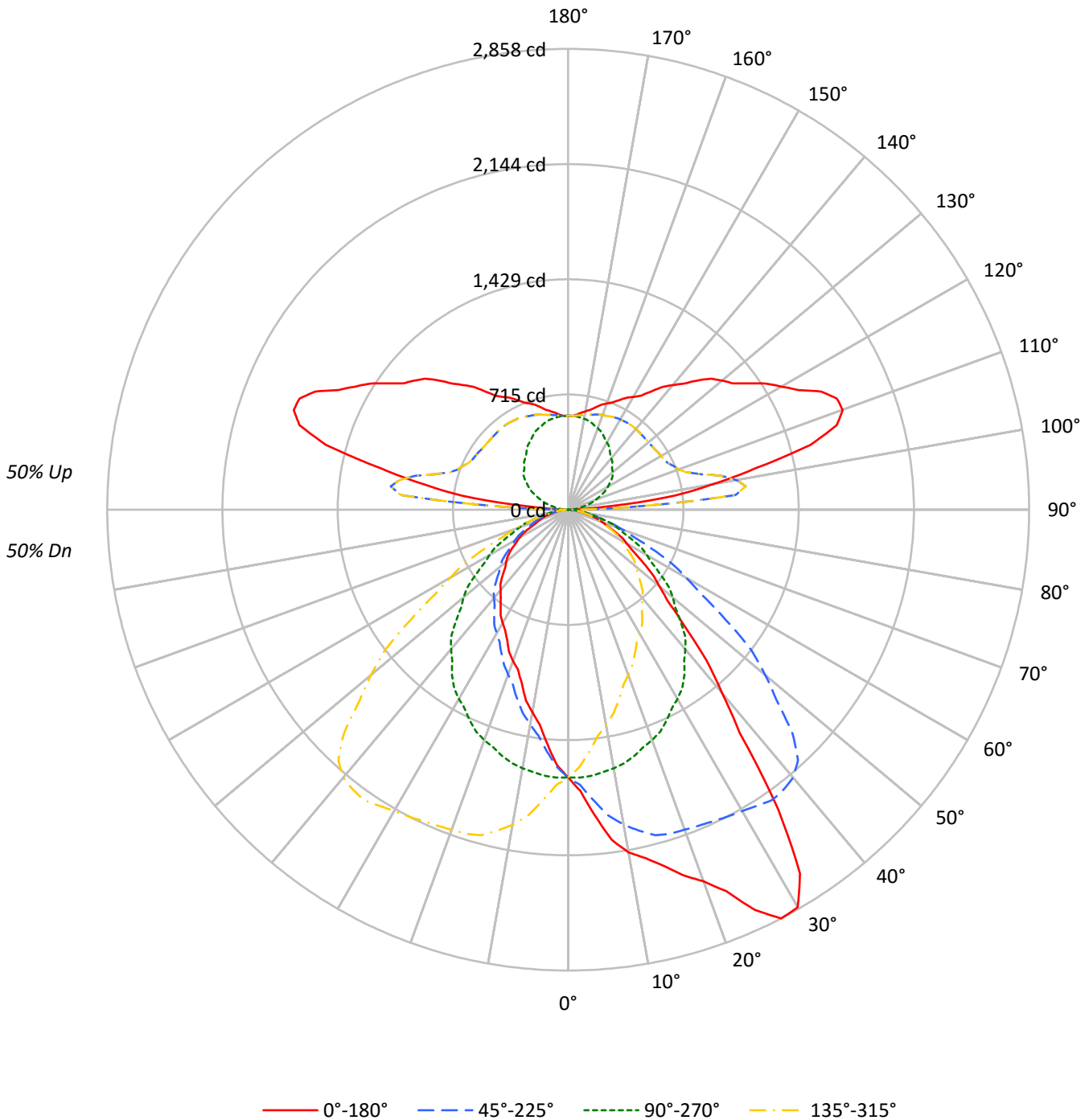
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43
2	90	83	77	72	83	76	71	67	65	61	58	54	52	49	44	43	41	36
3	82	73	66	60	75	68	61	56	58	53	49	48	45	42	40	37	35	31
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	58	50	44	64	54	47	41	46	41	36	39	35	32	32	29	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	29	26	24	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10723	10723	10723	10723
5°	12337	10738	9483	10738
10°	14152	10683	8368	10683
15°	15285	10573	7438	10573
20°	16855	10446	6868	10446
25°	19506	10278	6372	10278
30°	21227	10100	6049	10100
35°	17906	9894	5750	9894
40°	12505	9522	5493	9522
45°	9276	9020	5242	9020
50°	7396	8499	5027	8499
55°	6277	7851	4835	7851
60°	5424	7272	4525	7272
65°	4834	6645	3895	6645
70°	4247	6086	3552	6086
75°	3673	5273	3334	5273
80°	2786	4437	2786	4437
85°	2319	3490	2623	3490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	1.8
10°-20°	466.6	5.4
20°-30°	739.8	8.5
30°-40°	892.2	10.3
40°-50°	796.7	9.2
50°-60°	611.0	7.0
60°-70°	397.1	4.6
70°-80°	193.0	2.2
80°-90°	49.3	0.6
90°-100°	421.9	4.9
100°-110°	906.9	10.5
110°-120°	851.1	9.8
120°-130°	689.8	8.0
130°-140°	553.5	6.4
140°-150°	417.7	4.8
150°-160°	294.0	3.4
160°-170°	173.3	2.0
170°-180°	56.4	0.7
0°-30°	1365.7	15.8
0°-40°	2257.9	26.0
0°-60°	3665.6	42.3
0°-90°	4305.0	49.7
90°-120°	2179.9	25.1
90°-150°	3840.9	44.3
90°-180°	4365.0	50.3
0°-180°	8669.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1660	1660	1660	1660	1660	
5°	1903	1656	1463	1656	1903	190
15°	2286	1581	1112	1581	2286	655
25°	2737	1442	894	1442	2737	1257
35°	2271	1255	729	1255	2271	1372
45°	1016	988	574	988	1016	810
55°	558	697	429	697	558	506
65°	316	435	255	435	316	315
75°	147	211	134	211	147	157
85°	31	47	35	47	31	37
90°	27	1	27	1	27	20
95°	276	39	276	39	276	391
105°	1555	133	1555	133	1555	1545
115°	1732	237	1732	237	1732	1692
125°	1365	328	1365	328	1365	1235
135°	1134	385	1134	385	1134	878
145°	894	448	894	448	894	568
155°	750	512	750	512	750	349
165°	657	559	657	559	657	188
175°	590	581	590	581	590	57
180°	582	582	582	582	582	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1746.6	1745.5	1747.7	1741.6	1742.2	1732.9	1732.9	1725.9	1716.6	1709.5	1706.2
5°	1903.0	1904.4	1901.7	1891.5	1884.6	1874.4	1862.8	1842.4	1825.3	1809.0	1796.0
7.5°	2064.2	2065.1	2056.1	2053.0	2035.8	2023.3	1997.5	1969.6	1945.0	1913.7	1889.7
10°	2158.0	2157.3	2147.7	2140.2	2125.3	2106.2	2080.9	2048.2	2017.5	1983.5	1950.8
12.5°	2212.5	2210.7	2207.7	2198.6	2184.6	2167.8	2146.4	2114.2	2076.4	2039.1	2000.9
15°	2286.1	2281.3	2272.5	2260.9	2241.1	2221.3	2197.5	2168.9	2132.7	2090.4	2055.1
17.5°	2377.1	2377.3	2363.7	2347.5	2320.7	2285.8	2249.0	2202.8	2153.7	2107.3	2069.5
20°	2452.4	2450.3	2436.7	2405.4	2374.7	2331.1	2288.9	2232.2	2172.2	2111.6	2064.6
22.5°	2560.4	2555.1	2540.8	2499.7	2452.2	2396.0	2331.4	2262.2	2189.7	2120.8	2059.1
25°	2737.3	2733.2	2705.2	2657.6	2590.8	2504.2	2419.6	2324.9	2220.7	2130.0	2055.1
27.5°	2858.3	2853.9	2833.2	2793.5	2731.9	2640.8	2526.4	2399.7	2269.6	2144.9	2036.8
30°	2846.4	2856.6	2853.9	2835.5	2789.1	2707.3	2601.7	2459.2	2304.5	2158.0	2029.1
32.5°	2675.1	2684.3	2708.3	2744.4	2747.1	2714.4	2635.4	2504.0	2343.8	2177.1	2023.2
35°	2271.1	2283.4	2329.8	2402.7	2498.1	2577.8	2594.1	2523.2	2379.4	2200.2	2014.2
37.5°	1746.0	1813.0	1852.1	1928.8	2073.1	2219.7	2360.8	2412.8	2351.5	2190.7	1999.5
40°	1483.2	1499.5	1569.0	1655.6	1777.0	1929.7	2130.7	2275.8	2280.7	2168.9	1976.6
42.5°	1269.4	1290.1	1337.9	1406.9	1510.9	1663.6	1871.2	2062.6	2151.4	2108.9	1946.6
45°	1015.6	1031.3	1066.0	1119.2	1198.9	1325.0	1503.6	1725.2	1901.0	1969.8	1866.2
47.5°	834.2	842.7	873.0	913.5	972.5	1064.4	1202.6	1394.9	1605.9	1753.7	1739.2
50°	736.1	745.7	768.8	799.5	849.3	927.0	1037.4	1197.6	1415.0	1595.6	1631.7
52.5°	659.7	667.7	682.2	711.1	752.2	811.9	901.1	1046.0	1241.6	1433.7	1517.2
55°	557.5	563.0	574.6	591.0	623.7	666.6	743.7	843.8	1002.0	1195.5	1318.2
57.5°	473.3	476.1	483.4	498.6	521.2	552.5	608.1	693.1	806.5	980.8	1116.2
60°	419.9	422.6	432.1	442.3	460.1	488.7	532.3	591.6	700.6	844.6	981.5
62.5°	377.3	379.0	383.0	393.2	408.8	430.9	465.2	513.6	600.4	726.7	856.1
65°	316.3	316.9	318.3	326.5	336.0	352.3	374.9	409.0	474.4	569.9	684.3
67.5°	257.6	258.6	263.4	266.2	276.2	284.8	298.0	324.1	370.1	434.4	523.5
70°	224.9	224.3	229.0	232.5	235.8	246.1	254.9	276.1	304.7	353.8	428.1
72.5°	194.4	192.6	194.7	195.9	200.4	207.3	216.2	229.1	251.3	285.1	341.9
75°	147.2	147.9	147.9	149.3	152.7	155.4	158.1	164.9	177.2	199.8	230.4
77.5°	103.3	102.2	105.1	105.5	107.6	110.6	112.9	115.6	120.7	129.9	145.7
80°	74.9	74.9	75.6	77.7	77.1	78.4	81.8	84.5	90.7	96.1	101.6
82.5°	57.6	57.0	57.7	58.1	58.0	59.3	60.5	61.1	63.4	66.1	69.9
85°	31.3	31.3	32.0	32.0	32.7	32.7	33.4	33.4	33.4	34.0	34.7
87.5°	17.4	16.9	16.1	16.1	16.7	17.3	16.5	15.7	15.5	15.2	15.2
90°	27.0	27.0	25.9	25.9	25.9	23.4	22.3	21.1	20.0	18.8	16.5
92.5°	74.8	76.7	78.4	81.2	96.2	113.6	150.9	207.9	306.3	378.3	384.5
95°	275.8	294.6	303.9	339.1	422.4	521.0	665.3	843.6	1017.3	1039.7	848.4
97.5°	666.5	681.6	715.6	781.2	853.7	990.9	1131.5	1256.5	1287.3	1110.2	757.6
100°	915.2	934.0	977.4	1062.0	1142.9	1265.0	1385.8	1443.3	1352.9	1059.6	675.9
102.5°	1193.2	1207.2	1254.4	1314.4	1401.1	1483.7	1541.7	1506.2	1313.5	970.4	613.9
105°	1554.8	1568.8	1592.4	1631.0	1668.6	1681.5	1629.9	1469.2	1187.5	850.7	553.8
107.5°	1746.8	1756.2	1763.9	1764.1	1745.1	1683.8	1551.3	1336.8	1058.9	768.3	528.5
110°	1810.6	1810.6	1802.4	1780.1	1727.3	1627.5	1462.1	1239.1	985.6	729.8	521.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1803.1	1794.6	1774.2	1736.0	1658.7	1541.2	1373.8	1162.2	931.2	707.3	521.0
115°	1731.9	1716.7	1683.8	1627.5	1536.0	1408.1	1247.4	1065.5	871.8	683.0	524.5
117.5°	1607.3	1598.0	1565.4	1507.1	1415.6	1298.3	1159.8	1003.0	836.4	671.0	532.3
120°	1526.6	1517.2	1485.5	1429.3	1342.4	1239.1	1110.0	969.3	816.7	665.3	539.8
122.5°	1455.3	1446.8	1415.1	1363.5	1286.1	1189.4	1074.4	943.9	799.8	660.7	546.3
125°	1364.7	1352.9	1327.2	1279.0	1213.4	1128.8	1026.7	907.1	776.8	654.8	557.3
127.5°	1287.3	1282.1	1257.7	1215.2	1155.6	1076.5	981.2	869.5	755.7	652.0	569.8
130°	1245.0	1238.0	1214.5	1175.8	1117.1	1040.9	949.3	846.1	741.6	650.1	577.3
132.5°	1202.7	1194.8	1173.2	1134.5	1075.8	1002.3	919.3	822.5	730.3	650.1	585.7
135°	1133.6	1126.5	1105.4	1066.6	1015.0	948.2	873.0	792.0	717.0	650.1	597.2
137.5°	1059.6	1051.9	1032.4	997.1	951.0	894.1	831.7	766.3	705.0	651.5	607.8
140°	1007.9	1002.1	984.5	954.0	910.6	861.3	807.3	752.1	699.3	652.4	612.5
142.5°	960.1	955.1	938.5	912.7	875.9	833.1	786.7	739.9	694.7	653.4	615.3
145°	894.1	889.5	876.6	856.6	828.4	796.8	760.3	724.0	687.6	652.4	618.4
147.5°	838.3	836.2	828.7	812.7	790.4	766.5	738.5	709.0	680.3	649.3	619.6
150°	807.3	806.2	801.4	787.4	769.7	748.6	726.4	700.5	674.7	646.5	619.6
152.5°	782.9	781.7	777.0	765.8	751.0	734.6	714.2	691.2	668.1	642.8	618.6
155°	749.8	748.6	745.1	736.9	725.2	712.3	695.8	677.0	657.1	636.0	616.0
157.5°	720.2	720.4	717.2	710.3	701.3	691.2	678.4	663.0	646.8	628.9	613.0
160°	700.5	701.8	699.3	693.5	685.3	677.0	665.3	653.6	638.3	624.3	610.2
162.5°	682.7	683.0	682.5	677.5	671.2	663.9	654.1	643.3	630.9	618.6	607.3
165°	657.1	657.1	657.1	654.8	650.1	644.2	637.1	628.9	619.6	610.2	603.1
167.5°	633.7	633.9	634.8	632.7	630.4	626.1	620.8	615.3	608.5	602.0	596.5
170°	619.6	620.8	620.8	619.6	617.2	614.9	611.4	607.8	602.0	597.2	593.8
172.5°	606.4	607.6	609.5	607.3	606.9	605.5	602.9	599.4	595.4	591.7	590.0
175°	590.3	591.4	593.8	592.6	592.6	592.6	590.3	590.3	586.7	585.5	585.5
177.5°	582.0	582.0	584.8	583.9	584.8	584.8	584.8	583.9	583.0	582.0	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1706.2	1702.3	1695.3	1688.7	1680.5	1673.4	1668.6	1662.5	1655.0	1645.7	1638.0
5°	1781.7	1766.7	1747.0	1729.9	1708.1	1691.0	1673.3	1656.3	1639.2	1617.4	1598.3
7.5°	1865.4	1834.4	1804.3	1766.5	1732.1	1701.4	1671.9	1642.1	1613.0	1582.0	1552.2
10°	1916.6	1879.2	1837.6	1789.9	1746.3	1704.7	1666.5	1629.0	1589.5	1554.7	1517.2
12.5°	1964.7	1916.2	1868.7	1808.5	1756.1	1705.3	1656.7	1609.9	1567.7	1522.6	1482.4
15°	2008.0	1960.2	1907.1	1833.5	1760.6	1699.2	1641.9	1581.3	1528.8	1478.3	1433.4
17.5°	2024.8	1974.7	1913.0	1842.2	1762.5	1685.4	1611.5	1545.1	1483.3	1424.5	1373.9
20°	2018.2	1969.8	1906.4	1839.0	1753.7	1673.3	1593.6	1519.9	1451.2	1389.1	1335.2
22.5°	2002.4	1952.4	1891.2	1819.9	1739.0	1653.7	1568.5	1490.0	1417.9	1353.6	1294.9
25°	1978.7	1910.6	1847.9	1778.3	1701.3	1616.8	1528.8	1442.3	1365.2	1299.8	1235.8
27.5°	1954.0	1869.0	1789.2	1720.1	1638.7	1563.3	1478.5	1389.8	1308.8	1242.1	1176.4
30°	1931.7	1836.2	1748.3	1669.9	1592.9	1521.4	1440.9	1354.3	1271.2	1202.3	1135.6
32.5°	1903.8	1802.4	1705.8	1615.4	1541.1	1470.1	1397.2	1314.5	1233.6	1162.6	1094.7
35°	1869.0	1739.5	1634.5	1538.3	1455.9	1387.0	1321.6	1254.9	1173.8	1100.1	1034.0
37.5°	1823.1	1676.2	1554.7	1450.1	1363.0	1293.9	1242.2	1181.2	1107.2	1036.7	975.3
40°	1795.3	1630.4	1497.4	1393.9	1302.5	1229.6	1181.2	1129.4	1062.0	995.8	934.4
42.5°	1758.3	1588.4	1439.7	1331.7	1239.8	1169.6	1120.6	1075.4	1018.9	956.5	890.8
45°	1685.6	1507.0	1350.9	1235.1	1142.4	1073.5	1027.8	987.6	944.7	887.5	830.2
47.5°	1590.9	1422.1	1258.8	1132.3	1041.5	977.5	933.2	901.5	870.8	822.1	766.5
50°	1515.2	1352.3	1192.8	1070.2	973.3	912.6	871.1	845.9	817.9	773.7	727.3
52.5°	1425.7	1280.3	1124.1	998.7	907.4	850.5	810.5	785.4	762.3	726.2	682.0
55°	1284.9	1157.4	1014.2	900.4	816.6	759.3	721.1	697.3	683.7	653.0	618.2
57.5°	1122.2	1030.9	904.6	794.9	720.7	664.2	636.2	615.9	600.5	578.9	554.3
60°	1008.8	944.7	831.5	727.3	659.1	605.2	580.1	563.0	548.7	530.3	511.2
62.5°	893.7	847.1	748.7	659.1	596.4	551.3	527.7	512.3	495.8	483.4	464.8
65°	739.5	697.9	629.8	559.6	501.7	465.5	448.5	434.8	424.6	411.0	398.1
67.5°	575.3	558.4	511.3	462.9	421.3	389.2	374.5	365.0	352.6	344.5	335.6
70°	474.4	466.3	432.8	400.8	361.9	340.1	326.5	322.3	307.4	299.2	293.1
72.5°	385.0	381.1	361.9	339.7	312.4	293.3	280.6	276.1	266.5	259.9	256.0
75°	263.8	265.2	261.8	247.4	237.2	224.9	214.0	211.3	204.5	199.0	195.6
77.5°	166.8	173.8	174.1	173.4	169.4	161.8	157.3	155.3	148.6	146.5	145.7
80°	114.5	122.0	128.9	128.2	126.7	124.7	121.3	119.3	115.8	113.8	112.5
82.5°	76.3	83.3	89.0	92.7	92.4	90.4	88.1	87.2	86.4	84.9	84.6
85°	36.2	37.5	39.5	44.3	47.7	48.4	47.7	47.1	44.9	45.6	46.4
87.5°	15.6	15.1	15.5	14.9	13.9	16.2	17.4	17.7	16.9	16.2	15.6
90°	15.2	12.9	11.7	9.4	7.1	4.6	2.3	1.2	2.3	4.6	7.1
92.5°	267.8	160.3	96.2	62.0	41.8	27.3	17.4	14.3	17.4	27.3	41.8
95°	524.5	266.4	140.8	88.0	62.2	49.3	39.9	38.7	39.9	49.3	62.2
97.5°	418.7	229.5	146.4	108.5	85.2	72.3	65.7	64.3	65.7	72.3	85.2
100°	380.2	227.6	159.6	124.4	102.1	89.2	84.5	82.1	84.5	89.2	102.1
102.5°	364.3	236.1	175.5	141.3	120.9	107.0	103.3	101.9	103.3	107.0	120.9
105°	357.9	253.5	201.9	169.0	150.2	138.5	132.6	132.6	132.6	138.5	150.2
107.5°	368.7	279.2	229.2	199.8	180.3	170.6	165.0	162.6	165.0	170.6	180.3
110°	379.0	298.0	249.9	219.4	201.9	191.3	186.6	184.2	186.6	191.3	201.9



TEST NUMBER: P333606-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	392.1	315.9	269.6	240.0	222.5	211.9	208.1	205.8	208.1	211.9	222.5
115°	411.8	343.9	300.4	271.0	253.5	242.9	239.3	237.0	239.3	242.9	253.5
117.5°	434.4	372.4	331.3	303.0	283.1	272.5	268.7	265.2	268.7	272.5	283.1
120°	449.4	393.1	352.0	322.7	302.8	292.2	287.5	284.0	287.5	292.2	302.8
122.5°	466.4	412.8	371.7	342.4	320.5	310.0	306.3	303.7	306.3	310.0	320.5
125°	489.3	438.9	400.1	369.6	347.3	336.8	330.9	328.5	330.9	336.8	347.3
127.5°	510.5	463.9	426.7	396.2	372.4	359.1	351.5	348.0	351.5	359.1	372.4
130°	524.5	479.9	443.5	413.0	388.4	373.1	363.8	360.2	363.8	373.1	388.4
132.5°	536.7	494.9	458.6	428.1	402.5	385.4	374.1	369.6	374.1	385.4	402.5
135°	553.8	515.1	478.8	447.1	422.4	403.6	389.6	384.9	389.6	403.6	422.4
137.5°	566.5	529.5	496.3	463.7	439.6	420.8	407.7	404.1	407.7	420.8	439.6
140°	575.0	539.8	505.7	474.0	451.8	433.0	418.9	415.4	418.9	433.0	451.8
142.5°	579.7	546.3	514.2	484.4	463.0	444.2	431.1	428.5	431.1	444.2	463.0
145°	586.7	557.3	526.8	499.9	478.8	462.3	450.6	448.3	450.6	462.3	478.8
147.5°	591.0	564.4	537.7	513.9	495.6	480.4	470.3	468.9	470.3	480.4	495.6
150°	593.8	569.1	543.3	523.3	507.0	491.7	483.4	481.1	483.4	491.7	507.0
152.5°	595.6	573.8	549.9	531.8	516.3	502.9	495.6	494.2	495.6	502.9	516.3
155°	597.2	578.5	558.6	542.1	530.4	518.7	511.6	511.6	511.6	518.7	530.4
157.5°	598.4	582.5	565.3	552.9	542.6	532.5	526.8	527.1	526.8	532.5	542.6
160°	598.4	584.4	569.1	558.6	549.2	541.0	536.2	537.5	536.2	541.0	549.2
162.5°	597.5	586.2	572.9	564.2	556.6	549.4	544.7	545.8	544.7	549.4	556.6
165°	596.1	586.7	577.3	570.3	565.6	559.8	556.2	558.6	556.2	559.8	565.6
167.5°	593.3	586.7	579.0	574.5	571.2	567.9	565.8	567.0	565.8	567.9	571.2
170°	591.4	586.7	580.9	577.3	575.0	572.6	571.5	572.6	571.5	572.6	575.0
172.5°	589.6	585.7	580.9	579.2	577.7	575.4	574.3	576.4	574.3	575.4	577.7
175°	586.7	584.4	580.9	580.9	580.9	579.7	578.5	580.9	578.5	579.7	580.9
177.5°	583.9	583.0	581.1	581.1	582.0	581.1	581.1	583.0	581.1	581.1	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333606-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1632.5	1625.0	1619.5	1608.6	1600.9	1597.7	1591.6	1590.0	1596.0	1591.6	1591.1
5°	1584.1	1564.3	1548.6	1532.9	1515.9	1505.0	1488.6	1485.9	1481.8	1475.6	1474.3
7.5°	1525.8	1500.1	1479.9	1454.0	1431.5	1413.4	1392.9	1383.2	1378.0	1370.0	1359.4
10°	1486.5	1455.9	1428.7	1402.7	1374.8	1352.3	1331.8	1316.2	1306.0	1296.4	1292.3
12.5°	1447.8	1416.6	1381.7	1350.4	1319.2	1293.9	1271.3	1261.1	1249.8	1238.6	1229.1
15°	1387.8	1346.2	1308.0	1271.8	1245.3	1218.0	1196.2	1181.2	1164.2	1159.4	1141.0
17.5°	1323.9	1283.1	1238.5	1200.4	1169.6	1139.6	1115.6	1098.6	1085.8	1068.2	1059.8
20°	1284.1	1235.8	1192.1	1157.4	1123.3	1087.8	1063.3	1048.9	1036.7	1022.4	1015.6
22.5°	1241.6	1194.3	1149.6	1108.8	1074.2	1039.4	1021.9	1007.0	993.1	979.9	970.9
25°	1179.1	1131.5	1084.4	1042.2	1006.0	980.8	960.4	943.3	935.8	922.9	913.3
27.5°	1117.4	1066.7	1017.9	975.7	947.5	922.5	905.7	892.2	878.7	867.4	859.1
30°	1077.6	1025.8	972.6	939.3	909.3	885.3	867.0	854.0	843.8	833.6	827.5
32.5°	1037.8	984.4	937.2	901.1	872.7	852.1	833.1	820.8	810.0	798.7	791.4
35°	974.0	919.5	881.3	845.9	817.9	798.8	785.9	768.2	759.3	751.1	743.7
37.5°	914.7	864.0	822.7	791.6	767.3	748.4	731.6	722.1	711.1	703.8	697.5
40°	871.1	824.8	787.3	754.6	736.8	715.7	700.0	687.7	679.5	670.0	663.2
42.5°	831.8	788.7	752.3	722.9	700.8	683.0	667.8	655.6	645.2	638.4	632.7
45°	776.4	733.4	697.9	670.7	650.3	633.2	617.5	611.4	597.7	589.6	586.8
47.5°	718.9	680.5	646.3	621.2	600.3	584.1	569.4	556.8	549.4	541.3	536.9
50°	680.2	643.4	611.4	586.8	566.4	548.7	535.0	526.8	516.6	509.2	503.7
52.5°	641.6	607.4	575.4	552.0	534.2	516.5	501.3	493.1	483.4	478.6	474.8
55°	586.2	550.1	522.8	499.6	481.2	464.8	450.5	442.3	436.3	431.4	430.1
57.5°	523.5	494.8	469.5	448.6	429.5	414.1	401.6	393.8	388.4	387.7	383.6
60°	482.6	456.7	433.5	411.0	394.7	380.3	369.4	360.5	355.1	354.5	353.0
62.5°	441.7	416.9	395.4	375.6	360.8	347.1	336.7	326.8	323.5	320.1	317.1
65°	381.0	358.5	340.8	325.1	309.4	297.8	287.6	281.6	274.0	269.9	262.5
67.5°	321.4	304.0	287.0	273.8	261.5	250.4	242.0	232.9	227.8	224.5	219.0
70°	282.2	268.5	251.6	237.2	227.6	218.8	212.0	201.8	198.3	195.6	192.9
72.5°	245.1	233.1	218.8	207.2	197.6	189.3	181.5	176.6	173.3	170.6	169.0
75°	192.9	181.3	169.1	160.9	154.0	147.2	143.1	139.8	138.4	137.6	134.9
77.5°	141.7	135.5	125.7	119.2	114.6	111.9	108.3	106.4	106.3	103.3	102.4
80°	108.4	104.9	96.7	94.0	90.7	88.0	85.8	82.5	79.1	77.7	75.6
82.5°	80.6	77.2	73.9	69.5	66.7	65.0	63.0	61.7	62.2	60.3	59.3
85°	42.9	39.5	38.2	37.5	36.2	37.5	36.8	36.2	35.4	34.7	35.4
87.5°	15.6	16.0	15.7	17.3	15.9	16.9	17.1	16.8	17.0	17.3	17.2
90°	9.4	11.7	12.9	15.2	16.5	18.8	20.0	21.1	22.3	23.4	25.9
92.5°	62.0	96.2	160.3	267.8	384.5	378.3	306.3	207.9	150.9	113.6	96.2
95°	88.0	140.8	266.4	524.5	848.4	1039.7	1017.3	843.6	665.3	521.0	422.4
97.5°	108.5	146.4	229.5	418.7	757.6	1110.2	1287.3	1256.5	1131.5	990.9	853.7
100°	124.4	159.6	227.6	380.2	675.9	1059.6	1352.9	1443.3	1385.8	1265.0	1142.9
102.5°	141.3	175.5	236.1	364.3	613.9	970.4	1313.5	1506.2	1541.7	1483.7	1401.1
105°	169.0	201.9	253.5	357.9	553.8	850.7	1187.5	1469.2	1629.9	1681.5	1668.6
107.5°	199.8	229.2	279.2	368.7	528.5	768.3	1058.9	1336.8	1551.3	1683.8	1745.1
110°	219.4	249.9	298.0	379.0	521.0	729.8	985.6	1239.1	1462.1	1627.5	1727.3



TEST NUMBER: P333606-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	240.0	269.6	315.9	392.1	521.0	707.3	931.2	1162.2	1373.8	1541.2	1658.7
115°	271.0	300.4	343.9	411.8	524.5	683.0	871.8	1065.5	1247.4	1408.1	1536.0
117.5°	303.0	331.3	372.4	434.4	532.3	671.0	836.4	1003.0	1159.8	1298.3	1415.6
120°	322.7	352.0	393.1	449.4	539.8	665.3	816.7	969.3	1110.0	1239.1	1342.4
122.5°	342.4	371.7	412.8	466.4	546.3	660.7	799.8	943.9	1074.4	1189.4	1286.1
125°	369.6	400.1	438.9	489.3	557.3	654.8	776.8	907.1	1026.7	1128.8	1213.4
127.5°	396.2	426.7	463.9	510.5	569.8	652.0	755.7	869.5	981.2	1076.5	1155.6
130°	413.0	443.5	479.9	524.5	577.3	650.1	741.6	846.1	949.3	1040.9	1117.1
132.5°	428.1	458.6	494.9	536.7	585.7	650.1	730.3	822.5	919.3	1002.3	1075.8
135°	447.1	478.8	515.1	553.8	597.2	650.1	717.0	792.0	873.0	948.2	1015.0
137.5°	463.7	496.3	529.5	566.5	607.8	651.5	705.0	766.3	831.7	894.1	951.0
140°	474.0	505.7	539.8	575.0	612.5	652.4	699.3	752.1	807.3	861.3	910.6
142.5°	484.4	514.2	546.3	579.7	615.3	653.4	694.7	739.9	786.7	833.1	875.9
145°	499.9	526.8	557.3	586.7	618.4	652.4	687.6	724.0	760.3	796.8	828.4
147.5°	513.9	537.7	564.4	591.0	619.6	649.3	680.3	709.0	738.5	766.5	790.4
150°	523.3	543.3	569.1	593.8	619.6	646.5	674.7	700.5	726.4	748.6	769.7
152.5°	531.8	549.9	573.8	595.6	618.6	642.8	668.1	691.2	714.2	734.6	751.0
155°	542.1	558.6	578.5	597.2	616.0	636.0	657.1	677.0	695.8	712.3	725.2
157.5°	552.9	565.3	582.5	598.4	613.0	628.9	646.8	663.0	678.4	691.2	701.3
160°	558.6	569.1	584.4	598.4	610.2	624.3	638.3	653.6	665.3	677.0	685.3
162.5°	564.2	572.9	586.2	597.5	607.3	618.6	630.9	643.3	654.1	663.9	671.2
165°	570.3	577.3	586.7	596.1	603.1	610.2	619.6	628.9	637.1	644.2	650.1
167.5°	574.5	579.0	586.7	593.3	596.5	602.0	608.5	615.3	620.8	626.1	630.4
170°	577.3	580.9	586.7	591.4	593.8	597.2	602.0	607.8	611.4	614.9	617.2
172.5°	579.2	580.9	585.7	589.6	590.0	591.7	595.4	599.4	602.9	605.5	606.9
175°	580.9	580.9	584.4	586.7	585.5	585.5	586.7	590.3	590.3	592.6	592.6
177.5°	581.1	581.1	583.0	583.9	582.0	582.0	583.0	583.9	584.8	584.8	584.8
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333606-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1590.5	1584.6	1583.0	1585.1	1583.0	1584.6	1590.5	1591.1	1591.6	1596.0	1590.0
5°	1467.5	1460.7	1464.1	1462.7	1464.1	1460.7	1467.5	1474.3	1475.6	1481.8	1485.9
7.5°	1359.3	1350.8	1341.8	1344.6	1341.8	1350.8	1359.3	1359.4	1370.0	1378.0	1383.2
10°	1283.4	1276.7	1272.5	1276.0	1272.5	1276.7	1283.4	1292.3	1296.4	1306.0	1316.2
12.5°	1219.6	1215.6	1212.0	1210.5	1212.0	1215.6	1219.6	1229.1	1238.6	1249.8	1261.1
15°	1132.9	1124.7	1121.3	1112.4	1121.3	1124.7	1132.9	1141.0	1159.4	1164.2	1181.2
17.5°	1052.8	1050.1	1041.2	1037.4	1041.2	1050.1	1052.8	1059.8	1068.2	1085.8	1098.6
20°	1005.3	1002.6	993.8	999.3	993.8	1002.6	1005.3	1015.6	1022.4	1036.7	1048.9
22.5°	966.1	960.1	957.3	955.6	957.3	960.1	966.1	970.9	979.9	993.1	1007.0
25°	910.6	901.7	898.4	894.2	898.4	901.7	910.6	913.3	922.9	935.8	943.3
27.5°	855.3	850.5	846.0	845.0	846.0	850.5	855.3	859.1	867.4	878.7	892.2
30°	819.3	814.6	811.1	811.1	811.1	814.6	819.3	827.5	833.6	843.8	854.0
32.5°	787.1	783.5	780.0	779.5	780.0	783.5	787.1	791.4	798.7	810.0	820.8
35°	740.2	734.8	733.4	729.3	733.4	734.8	740.2	743.7	751.1	759.3	768.2
37.5°	691.6	687.0	686.9	686.5	686.9	687.0	691.6	697.5	703.8	711.1	722.1
40°	660.5	657.0	656.4	651.6	656.4	657.0	660.5	663.2	670.0	679.5	687.7
42.5°	627.2	625.4	623.1	621.1	623.1	625.4	627.2	632.7	638.4	645.2	655.6
45°	582.1	577.3	577.3	573.9	577.3	577.3	582.1	586.8	589.6	597.7	611.4
47.5°	535.4	531.8	532.2	528.7	532.2	531.8	535.4	536.9	541.3	549.4	556.8
50°	504.4	502.3	501.7	500.3	501.7	502.3	504.4	503.7	509.2	516.6	526.8
52.5°	473.3	472.3	474.9	471.9	474.9	472.3	473.3	474.8	478.6	483.4	493.1
55°	431.4	429.4	433.5	429.4	433.5	429.4	431.4	430.1	431.4	436.3	442.3
57.5°	383.3	381.4	385.1	383.0	385.1	381.4	383.3	383.6	387.7	388.4	393.8
60°	351.7	347.6	349.6	350.3	349.6	347.6	351.7	353.0	354.5	355.1	360.5
62.5°	314.1	311.6	313.2	310.0	313.2	311.6	314.1	317.1	320.1	323.5	326.8
65°	261.1	259.0	256.3	254.9	256.3	259.0	261.1	262.5	269.9	274.0	281.6
67.5°	219.3	214.4	214.3	215.4	214.3	214.4	219.3	219.0	224.5	227.8	232.9
70°	188.8	188.8	188.1	188.1	188.1	188.8	188.8	192.9	195.6	198.3	201.8
72.5°	167.5	167.0	165.7	165.2	165.7	167.0	167.5	169.0	170.6	173.3	176.6
75°	134.9	135.6	134.3	133.6	134.3	135.6	134.9	134.9	137.6	138.4	139.8
77.5°	99.7	96.7	98.3	96.7	98.3	96.7	99.7	102.4	103.3	106.3	106.4
80°	75.6	74.9	77.1	74.9	77.1	74.9	75.6	75.6	77.7	79.1	82.5
82.5°	59.9	59.2	60.1	58.6	60.1	59.2	59.9	59.3	60.3	62.2	61.7
85°	36.2	35.4	34.7	35.4	34.7	35.4	36.2	35.4	34.7	35.4	36.2
87.5°	17.7	17.2	17.4	17.4	17.4	17.2	17.7	17.2	17.3	17.0	16.8
90°	25.9	25.9	27.0	27.0	27.0	25.9	25.9	25.9	23.4	22.3	21.1
92.5°	81.2	78.4	76.7	74.8	76.7	78.4	81.2	96.2	113.6	150.9	207.9
95°	339.1	303.9	294.6	275.8	294.6	303.9	339.1	422.4	521.0	665.3	843.6
97.5°	781.2	715.6	681.6	666.5	681.6	715.6	781.2	853.7	990.9	1131.5	1256.5
100°	1062.0	977.4	934.0	915.2	934.0	977.4	1062.0	1142.9	1265.0	1385.8	1443.3
102.5°	1314.4	1254.4	1207.2	1193.2	1207.2	1254.4	1314.4	1401.1	1483.7	1541.7	1506.2
105°	1631.0	1592.4	1568.8	1554.8	1568.8	1592.4	1631.0	1668.6	1681.5	1629.9	1469.2
107.5°	1764.1	1763.9	1756.2	1746.8	1756.2	1763.9	1764.1	1745.1	1683.8	1551.3	1336.8
110°	1780.1	1802.4	1810.6	1810.6	1810.6	1802.4	1780.1	1727.3	1627.5	1462.1	1239.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1736.0	1774.2	1794.6	1803.1	1794.6	1774.2	1736.0	1658.7	1541.2	1373.8	1162.2
115°	1627.5	1683.8	1716.7	1731.9	1716.7	1683.8	1627.5	1536.0	1408.1	1247.4	1065.5
117.5°	1507.1	1565.4	1598.0	1607.3	1598.0	1565.4	1507.1	1415.6	1298.3	1159.8	1003.0
120°	1429.3	1485.5	1517.2	1526.6	1517.2	1485.5	1429.3	1342.4	1239.1	1110.0	969.3
122.5°	1363.5	1415.1	1446.8	1455.3	1446.8	1415.1	1363.5	1286.1	1189.4	1074.4	943.9
125°	1279.0	1327.2	1352.9	1364.7	1352.9	1327.2	1279.0	1213.4	1128.8	1026.7	907.1
127.5°	1215.2	1257.7	1282.1	1287.3	1282.1	1257.7	1215.2	1155.6	1076.5	981.2	869.5
130°	1175.8	1214.5	1238.0	1245.0	1238.0	1214.5	1175.8	1117.1	1040.9	949.3	846.1
132.5°	1134.5	1173.2	1194.8	1202.7	1194.8	1173.2	1134.5	1075.8	1002.3	919.3	822.5
135°	1066.6	1105.4	1126.5	1133.6	1126.5	1105.4	1066.6	1015.0	948.2	873.0	792.0
137.5°	997.1	1032.4	1051.9	1059.6	1051.9	1032.4	997.1	951.0	894.1	831.7	766.3
140°	954.0	984.5	1002.1	1007.9	1002.1	984.5	954.0	910.6	861.3	807.3	752.1
142.5°	912.7	938.5	955.1	960.1	955.1	938.5	912.7	875.9	833.1	786.7	739.9
145°	856.6	876.6	889.5	894.1	889.5	876.6	856.6	828.4	796.8	760.3	724.0
147.5°	812.7	828.7	836.2	838.3	836.2	828.7	812.7	790.4	766.5	738.5	709.0
150°	787.4	801.4	806.2	807.3	806.2	801.4	787.4	769.7	748.6	726.4	700.5
152.5°	765.8	777.0	781.7	782.9	781.7	777.0	765.8	751.0	734.6	714.2	691.2
155°	736.9	745.1	748.6	749.8	748.6	745.1	736.9	725.2	712.3	695.8	677.0
157.5°	710.3	717.2	720.4	720.2	720.4	717.2	710.3	701.3	691.2	678.4	663.0
160°	693.5	699.3	701.8	700.5	701.8	699.3	693.5	685.3	677.0	665.3	653.6
162.5°	677.5	682.5	683.0	682.7	683.0	682.5	677.5	671.2	663.9	654.1	643.3
165°	654.8	657.1	657.1	657.1	657.1	657.1	654.8	650.1	644.2	637.1	628.9
167.5°	632.7	634.8	633.9	633.7	633.9	634.8	632.7	630.4	626.1	620.8	615.3
170°	619.6	620.8	620.8	619.6	620.8	620.8	619.6	617.2	614.9	611.4	607.8
172.5°	607.3	609.5	607.6	606.4	607.6	609.5	607.3	606.9	605.5	602.9	599.4
175°	592.6	593.8	591.4	590.3	591.4	593.8	592.6	592.6	592.6	590.3	590.3
177.5°	583.9	584.8	582.0	582.0	582.0	584.8	583.9	584.8	584.8	584.8	583.9
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1591.6	1597.7	1600.9	1608.6	1619.5	1625.0	1632.5	1638.0	1645.7	1655.0	1662.5
5°	1488.6	1505.0	1515.9	1532.9	1548.6	1564.3	1584.1	1598.3	1617.4	1639.2	1656.3
7.5°	1392.9	1413.4	1431.5	1454.0	1479.9	1500.1	1525.8	1552.2	1582.0	1613.0	1642.1
10°	1331.8	1352.3	1374.8	1402.7	1428.7	1455.9	1486.5	1517.2	1554.7	1589.5	1629.0
12.5°	1271.3	1293.9	1319.2	1350.4	1381.7	1416.6	1447.8	1482.4	1522.6	1567.7	1609.9
15°	1196.2	1218.0	1245.3	1271.8	1308.0	1346.2	1387.8	1433.4	1478.3	1528.8	1581.3
17.5°	1115.6	1139.6	1169.6	1200.4	1238.5	1283.1	1323.9	1373.9	1424.5	1483.3	1545.1
20°	1063.3	1087.8	1123.3	1157.4	1192.1	1235.8	1284.1	1335.2	1389.1	1451.2	1519.9
22.5°	1021.9	1039.4	1074.2	1108.8	1149.6	1194.3	1241.6	1294.9	1353.6	1417.9	1490.0
25°	960.4	980.8	1006.0	1042.2	1084.4	1131.5	1179.1	1235.8	1299.8	1365.2	1442.3
27.5°	905.7	922.5	947.5	975.7	1017.9	1066.7	1117.4	1176.4	1242.1	1308.8	1389.8
30°	867.0	885.3	909.3	939.3	972.6	1025.8	1077.6	1135.6	1202.3	1271.2	1354.3
32.5°	833.1	852.1	872.7	901.1	937.2	984.4	1037.8	1094.7	1162.6	1233.6	1314.5
35°	785.9	798.8	817.9	845.9	881.3	919.5	974.0	1034.0	1100.1	1173.8	1254.9
37.5°	731.6	748.4	767.3	791.6	822.7	864.0	914.7	975.3	1036.7	1107.2	1181.2
40°	700.0	715.7	736.8	754.6	787.3	824.8	871.1	934.4	995.8	1062.0	1129.4
42.5°	667.8	683.0	700.8	722.9	752.3	788.7	831.8	890.8	956.5	1018.9	1075.4
45°	617.5	633.2	650.3	670.7	697.9	733.4	776.4	830.2	887.5	944.7	987.6
47.5°	569.4	584.1	600.3	621.2	646.3	680.5	718.9	766.5	822.1	870.8	901.5
50°	535.0	548.7	566.4	586.8	611.4	643.4	680.2	727.3	773.7	817.9	845.9
52.5°	501.3	516.5	534.2	552.0	575.4	607.4	641.6	682.0	726.2	762.3	785.4
55°	450.5	464.8	481.2	499.6	522.8	550.1	586.2	618.2	653.0	683.7	697.3
57.5°	401.6	414.1	429.5	448.6	469.5	494.8	523.5	554.3	578.9	600.5	615.9
60°	369.4	380.3	394.7	411.0	433.5	456.7	482.6	511.2	530.3	548.7	563.0
62.5°	336.7	347.1	360.8	375.6	395.4	416.9	441.7	464.8	483.4	495.8	512.3
65°	287.6	297.8	309.4	325.1	340.8	358.5	381.0	398.1	411.0	424.6	434.8
67.5°	242.0	250.4	261.5	273.8	287.0	304.0	321.4	335.6	344.5	352.6	365.0
70°	212.0	218.8	227.6	237.2	251.6	268.5	282.2	293.1	299.2	307.4	322.3
72.5°	181.5	189.3	197.6	207.2	218.8	233.1	245.1	256.0	259.9	266.5	276.1
75°	143.1	147.2	154.0	160.9	169.1	181.3	192.9	195.6	199.0	204.5	211.3
77.5°	108.3	111.9	114.6	119.2	125.7	135.5	141.7	145.7	146.5	148.6	155.3
80°	85.8	88.0	90.7	94.0	96.7	104.9	108.4	112.5	113.8	115.8	119.3
82.5°	63.0	65.0	66.7	69.5	73.9	77.2	80.6	84.6	84.9	86.4	87.2
85°	36.8	37.5	36.2	37.5	38.2	39.5	42.9	46.4	45.6	44.9	47.1
87.5°	17.1	16.9	15.9	17.3	15.7	16.0	15.6	15.6	16.2	16.9	17.7
90°	20.0	18.8	16.5	15.2	12.9	11.7	9.4	7.1	4.6	2.3	1.2
92.5°	306.3	378.3	384.5	267.8	160.3	96.2	62.0	41.8	27.3	17.4	14.3
95°	1017.3	1039.7	848.4	524.5	266.4	140.8	88.0	62.2	49.3	39.9	38.7
97.5°	1287.3	1110.2	757.6	418.7	229.5	146.4	108.5	85.2	72.3	65.7	64.3
100°	1352.9	1059.6	675.9	380.2	227.6	159.6	124.4	102.1	89.2	84.5	82.1
102.5°	1313.5	970.4	613.9	364.3	236.1	175.5	141.3	120.9	107.0	103.3	101.9
105°	1187.5	850.7	553.8	357.9	253.5	201.9	169.0	150.2	138.5	132.6	132.6
107.5°	1058.9	768.3	528.5	368.7	279.2	229.2	199.8	180.3	170.6	165.0	162.6
110°	985.6	729.8	521.0	379.0	298.0	249.9	219.4	201.9	191.3	186.6	184.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	931.2	707.3	521.0	392.1	315.9	269.6	240.0	222.5	211.9	208.1	205.8
115°	871.8	683.0	524.5	411.8	343.9	300.4	271.0	253.5	242.9	239.3	237.0
117.5°	836.4	671.0	532.3	434.4	372.4	331.3	303.0	283.1	272.5	268.7	265.2
120°	816.7	665.3	539.8	449.4	393.1	352.0	322.7	302.8	292.2	287.5	284.0
122.5°	799.8	660.7	546.3	466.4	412.8	371.7	342.4	320.5	310.0	306.3	303.7
125°	776.8	654.8	557.3	489.3	438.9	400.1	369.6	347.3	336.8	330.9	328.5
127.5°	755.7	652.0	569.8	510.5	463.9	426.7	396.2	372.4	359.1	351.5	348.0
130°	741.6	650.1	577.3	524.5	479.9	443.5	413.0	388.4	373.1	363.8	360.2
132.5°	730.3	650.1	585.7	536.7	494.9	458.6	428.1	402.5	385.4	374.1	369.6
135°	717.0	650.1	597.2	553.8	515.1	478.8	447.1	422.4	403.6	389.6	384.9
137.5°	705.0	651.5	607.8	566.5	529.5	496.3	463.7	439.6	420.8	407.7	404.1
140°	699.3	652.4	612.5	575.0	539.8	505.7	474.0	451.8	433.0	418.9	415.4
142.5°	694.7	653.4	615.3	579.7	546.3	514.2	484.4	463.0	444.2	431.1	428.5
145°	687.6	652.4	618.4	586.7	557.3	526.8	499.9	478.8	462.3	450.6	448.3
147.5°	680.3	649.3	619.6	591.0	564.4	537.7	513.9	495.6	480.4	470.3	468.9
150°	674.7	646.5	619.6	593.8	569.1	543.3	523.3	507.0	491.7	483.4	481.1
152.5°	668.1	642.8	618.6	595.6	573.8	549.9	531.8	516.3	502.9	495.6	494.2
155°	657.1	636.0	616.0	597.2	578.5	558.6	542.1	530.4	518.7	511.6	511.6
157.5°	646.8	628.9	613.0	598.4	582.5	565.3	552.9	542.6	532.5	526.8	527.1
160°	638.3	624.3	610.2	598.4	584.4	569.1	558.6	549.2	541.0	536.2	537.5
162.5°	630.9	618.6	607.3	597.5	586.2	572.9	564.2	556.6	549.4	544.7	545.8
165°	619.6	610.2	603.1	596.1	586.7	577.3	570.3	565.6	559.8	556.2	558.6
167.5°	608.5	602.0	596.5	593.3	586.7	579.0	574.5	571.2	567.9	565.8	567.0
170°	602.0	597.2	593.8	591.4	586.7	580.9	577.3	575.0	572.6	571.5	572.6
172.5°	595.4	591.7	590.0	589.6	585.7	580.9	579.2	577.7	575.4	574.3	576.4
175°	586.7	585.5	585.5	586.7	584.4	580.9	580.9	580.9	579.7	578.5	580.9
177.5°	583.0	582.0	582.0	583.9	583.0	581.1	581.1	582.0	581.1	581.1	583.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333606-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1668.6	1673.4	1680.5	1688.7	1695.3	1702.3	1706.2	1706.2	1709.5	1716.6	1725.9
5°	1673.3	1691.0	1708.1	1729.9	1747.0	1766.7	1781.7	1796.0	1809.0	1825.3	1842.4
7.5°	1671.9	1701.4	1732.1	1766.5	1804.3	1834.4	1865.4	1889.7	1913.7	1945.0	1969.6
10°	1666.5	1704.7	1746.3	1789.9	1837.6	1879.2	1916.6	1950.8	1983.5	2017.5	2048.2
12.5°	1656.7	1705.3	1756.1	1808.5	1868.7	1916.2	1964.7	2000.9	2039.1	2076.4	2114.2
15°	1641.9	1699.2	1760.6	1833.5	1907.1	1960.2	2008.0	2055.1	2090.4	2132.7	2168.9
17.5°	1611.5	1685.4	1762.5	1842.2	1913.0	1974.7	2024.8	2069.5	2107.3	2153.7	2202.8
20°	1593.6	1673.3	1753.7	1839.0	1906.4	1969.8	2018.2	2064.6	2111.6	2172.2	2232.2
22.5°	1568.5	1653.7	1739.0	1819.9	1891.2	1952.4	2002.4	2059.1	2120.8	2189.7	2262.2
25°	1528.8	1616.8	1701.3	1778.3	1847.9	1910.6	1978.7	2055.1	2130.0	2220.7	2324.9
27.5°	1478.5	1563.3	1638.7	1720.1	1789.2	1869.0	1954.0	2036.8	2144.9	2269.6	2399.7
30°	1440.9	1521.4	1592.9	1669.9	1748.3	1836.2	1931.7	2029.1	2158.0	2304.5	2459.2
32.5°	1397.2	1470.1	1541.1	1615.4	1705.8	1802.4	1903.8	2023.2	2177.1	2343.8	2504.0
35°	1321.6	1387.0	1455.9	1538.3	1634.5	1739.5	1869.0	2014.2	2200.2	2379.4	2523.2
37.5°	1242.2	1293.9	1363.0	1450.1	1554.7	1676.2	1823.1	1999.5	2190.7	2351.5	2412.8
40°	1181.2	1229.6	1302.5	1393.9	1497.4	1630.4	1795.3	1976.6	2168.9	2280.7	2275.8
42.5°	1120.6	1169.6	1239.8	1331.7	1439.7	1588.4	1758.3	1946.6	2108.9	2151.4	2062.6
45°	1027.8	1073.5	1142.4	1235.1	1350.9	1507.0	1685.6	1866.2	1969.8	1901.0	1725.2
47.5°	933.2	977.5	1041.5	1132.3	1258.8	1422.1	1590.9	1739.2	1753.7	1605.9	1394.9
50°	871.1	912.6	973.3	1070.2	1192.8	1352.3	1515.2	1631.7	1595.6	1415.0	1197.6
52.5°	810.5	850.5	907.4	998.7	1124.1	1280.3	1425.7	1517.2	1433.7	1241.6	1046.0
55°	721.1	759.3	816.6	900.4	1014.2	1157.4	1284.9	1318.2	1195.5	1002.0	843.8
57.5°	636.2	664.2	720.7	794.9	904.6	1030.9	1122.2	1116.2	980.8	806.5	693.1
60°	580.1	605.2	659.1	727.3	831.5	944.7	1008.8	981.5	844.6	700.6	591.6
62.5°	527.7	551.3	596.4	659.1	748.7	847.1	893.7	856.1	726.7	600.4	513.6
65°	448.5	465.5	501.7	559.6	629.8	697.9	739.5	684.3	569.9	474.4	409.0
67.5°	374.5	389.2	421.3	462.9	511.3	558.4	575.3	523.5	434.4	370.1	324.1
70°	326.5	340.1	361.9	400.8	432.8	466.3	474.4	428.1	353.8	304.7	276.1
72.5°	280.6	293.3	312.4	339.7	361.9	381.1	385.0	341.9	285.1	251.3	229.1
75°	214.0	224.9	237.2	247.4	261.8	265.2	263.8	230.4	199.8	177.2	164.9
77.5°	157.3	161.8	169.4	173.4	174.1	173.8	166.8	145.7	129.9	120.7	115.6
80°	121.3	124.7	126.7	128.2	128.9	122.0	114.5	101.6	96.1	90.7	84.5
82.5°	88.1	90.4	92.4	92.7	89.0	83.3	76.3	69.9	66.1	63.4	61.1
85°	47.7	48.4	47.7	44.3	39.5	37.5	36.2	34.7	34.0	33.4	33.4
87.5°	17.4	16.2	13.9	14.9	15.5	15.1	15.6	15.2	15.2	15.5	15.7
90°	2.3	4.6	7.1	9.4	11.7	12.9	15.2	16.5	18.8	20.0	21.1
92.5°	17.4	27.3	41.8	62.0	96.2	160.3	267.8	384.5	378.3	306.3	207.9
95°	39.9	49.3	62.2	88.0	140.8	266.4	524.5	848.4	1039.7	1017.3	843.6
97.5°	65.7	72.3	85.2	108.5	146.4	229.5	418.7	757.6	1110.2	1287.3	1256.5
100°	84.5	89.2	102.1	124.4	159.6	227.6	380.2	675.9	1059.6	1352.9	1443.3
102.5°	103.3	107.0	120.9	141.3	175.5	236.1	364.3	613.9	970.4	1313.5	1506.2
105°	132.6	138.5	150.2	169.0	201.9	253.5	357.9	553.8	850.7	1187.5	1469.2
107.5°	165.0	170.6	180.3	199.8	229.2	279.2	368.7	528.5	768.3	1058.9	1336.8
110°	186.6	191.3	201.9	219.4	249.9	298.0	379.0	521.0	729.8	985.6	1239.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	208.1	211.9	222.5	240.0	269.6	315.9	392.1	521.0	707.3	931.2	1162.2
115°	239.3	242.9	253.5	271.0	300.4	343.9	411.8	524.5	683.0	871.8	1065.5
117.5°	268.7	272.5	283.1	303.0	331.3	372.4	434.4	532.3	671.0	836.4	1003.0
120°	287.5	292.2	302.8	322.7	352.0	393.1	449.4	539.8	665.3	816.7	969.3
122.5°	306.3	310.0	320.5	342.4	371.7	412.8	466.4	546.3	660.7	799.8	943.9
125°	330.9	336.8	347.3	369.6	400.1	438.9	489.3	557.3	654.8	776.8	907.1
127.5°	351.5	359.1	372.4	396.2	426.7	463.9	510.5	569.8	652.0	755.7	869.5
130°	363.8	373.1	388.4	413.0	443.5	479.9	524.5	577.3	650.1	741.6	846.1
132.5°	374.1	385.4	402.5	428.1	458.6	494.9	536.7	585.7	650.1	730.3	822.5
135°	389.6	403.6	422.4	447.1	478.8	515.1	553.8	597.2	650.1	717.0	792.0
137.5°	407.7	420.8	439.6	463.7	496.3	529.5	566.5	607.8	651.5	705.0	766.3
140°	418.9	433.0	451.8	474.0	505.7	539.8	575.0	612.5	652.4	699.3	752.1
142.5°	431.1	444.2	463.0	484.4	514.2	546.3	579.7	615.3	653.4	694.7	739.9
145°	450.6	462.3	478.8	499.9	526.8	557.3	586.7	618.4	652.4	687.6	724.0
147.5°	470.3	480.4	495.6	513.9	537.7	564.4	591.0	619.6	649.3	680.3	709.0
150°	483.4	491.7	507.0	523.3	543.3	569.1	593.8	619.6	646.5	674.7	700.5
152.5°	495.6	502.9	516.3	531.8	549.9	573.8	595.6	618.6	642.8	668.1	691.2
155°	511.6	518.7	530.4	542.1	558.6	578.5	597.2	616.0	636.0	657.1	677.0
157.5°	526.8	532.5	542.6	552.9	565.3	582.5	598.4	613.0	628.9	646.8	663.0
160°	536.2	541.0	549.2	558.6	569.1	584.4	598.4	610.2	624.3	638.3	653.6
162.5°	544.7	549.4	556.6	564.2	572.9	586.2	597.5	607.3	618.6	630.9	643.3
165°	556.2	559.8	565.6	570.3	577.3	586.7	596.1	603.1	610.2	619.6	628.9
167.5°	565.8	567.9	571.2	574.5	579.0	586.7	593.3	596.5	602.0	608.5	615.3
170°	571.5	572.6	575.0	577.3	580.9	586.7	591.4	593.8	597.2	602.0	607.8
172.5°	574.3	575.4	577.7	579.2	580.9	585.7	589.6	590.0	591.7	595.4	599.4
175°	578.5	579.7	580.9	580.9	580.9	584.4	586.7	585.5	585.5	586.7	590.3
177.5°	581.1	581.1	582.0	581.1	581.1	583.0	583.9	582.0	582.0	583.0	583.9
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1732.9	1732.9	1742.2	1741.6	1747.7	1745.5	1746.6
5°	1862.8	1874.4	1884.6	1891.5	1901.7	1904.4	1903.0
7.5°	1997.5	2023.3	2035.8	2053.0	2056.1	2065.1	2064.2
10°	2080.9	2106.2	2125.3	2140.2	2147.7	2157.3	2158.0
12.5°	2146.4	2167.8	2184.6	2198.6	2207.7	2210.7	2212.5
15°	2197.5	2221.3	2241.1	2260.9	2272.5	2281.3	2286.1
17.5°	2249.0	2285.8	2320.7	2347.5	2363.7	2377.3	2377.1
20°	2288.9	2331.1	2374.7	2405.4	2436.7	2450.3	2452.4
22.5°	2331.4	2396.0	2452.2	2499.7	2540.8	2555.1	2560.4
25°	2419.6	2504.2	2590.8	2657.6	2705.2	2733.2	2737.3
27.5°	2526.4	2640.8	2731.9	2793.5	2833.2	2853.9	2858.3
30°	2601.7	2707.3	2789.1	2835.5	2853.9	2856.6	2846.4
32.5°	2635.4	2714.4	2747.1	2744.4	2708.3	2684.3	2675.1
35°	2594.1	2577.8	2498.1	2402.7	2329.8	2283.4	2271.1
37.5°	2360.8	2219.7	2073.1	1928.8	1852.1	1813.0	1746.0
40°	2130.7	1929.7	1777.0	1655.6	1569.0	1499.5	1483.2
42.5°	1871.2	1663.6	1510.9	1406.9	1337.9	1290.1	1269.4
45°	1503.6	1325.0	1198.9	1119.2	1066.0	1031.3	1015.6
47.5°	1202.6	1064.4	972.5	913.5	873.0	842.7	834.2
50°	1037.4	927.0	849.3	799.5	768.8	745.7	736.1
52.5°	901.1	811.9	752.2	711.1	682.2	667.7	659.7
55°	743.7	666.6	623.7	591.0	574.6	563.0	557.5
57.5°	608.1	552.5	521.2	498.6	483.4	476.1	473.3
60°	532.3	488.7	460.1	442.3	432.1	422.6	419.9
62.5°	465.2	430.9	408.8	393.2	383.0	379.0	377.3
65°	374.9	352.3	336.0	326.5	318.3	316.9	316.3
67.5°	298.0	284.8	276.2	266.2	263.4	258.6	257.6
70°	254.9	246.1	235.8	232.5	229.0	224.3	224.9
72.5°	216.2	207.3	200.4	195.9	194.7	192.6	194.4
75°	158.1	155.4	152.7	149.3	147.9	147.9	147.2
77.5°	112.9	110.6	107.6	105.5	105.1	102.2	103.3
80°	81.8	78.4	77.1	77.7	75.6	74.9	74.9
82.5°	60.5	59.3	58.0	58.1	57.7	57.0	57.6
85°	33.4	32.7	32.7	32.0	32.0	31.3	31.3
87.5°	16.5	17.3	16.7	16.1	16.1	16.9	17.4
90°	22.3	23.4	25.9	25.9	25.9	27.0	27.0
92.5°	150.9	113.6	96.2	81.2	78.4	76.7	74.8
95°	665.3	521.0	422.4	339.1	303.9	294.6	275.8
97.5°	1131.5	990.9	853.7	781.2	715.6	681.6	666.5
100°	1385.8	1265.0	1142.9	1062.0	977.4	934.0	915.2
102.5°	1541.7	1483.7	1401.1	1314.4	1254.4	1207.2	1193.2
105°	1629.9	1681.5	1668.6	1631.0	1592.4	1568.8	1554.8
107.5°	1551.3	1683.8	1745.1	1764.1	1763.9	1756.2	1746.8
110°	1462.1	1627.5	1727.3	1780.1	1802.4	1810.6	1810.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1373.8	1541.2	1658.7	1736.0	1774.2	1794.6	1803.1
115°	1247.4	1408.1	1536.0	1627.5	1683.8	1716.7	1731.9
117.5°	1159.8	1298.3	1415.6	1507.1	1565.4	1598.0	1607.3
120°	1110.0	1239.1	1342.4	1429.3	1485.5	1517.2	1526.6
122.5°	1074.4	1189.4	1286.1	1363.5	1415.1	1446.8	1455.3
125°	1026.7	1128.8	1213.4	1279.0	1327.2	1352.9	1364.7
127.5°	981.2	1076.5	1155.6	1215.2	1257.7	1282.1	1287.3
130°	949.3	1040.9	1117.1	1175.8	1214.5	1238.0	1245.0
132.5°	919.3	1002.3	1075.8	1134.5	1173.2	1194.8	1202.7
135°	873.0	948.2	1015.0	1066.6	1105.4	1126.5	1133.6
137.5°	831.7	894.1	951.0	997.1	1032.4	1051.9	1059.6
140°	807.3	861.3	910.6	954.0	984.5	1002.1	1007.9
142.5°	786.7	833.1	875.9	912.7	938.5	955.1	960.1
145°	760.3	796.8	828.4	856.6	876.6	889.5	894.1
147.5°	738.5	766.5	790.4	812.7	828.7	836.2	838.3
150°	726.4	748.6	769.7	787.4	801.4	806.2	807.3
152.5°	714.2	734.6	751.0	765.8	777.0	781.7	782.9
155°	695.8	712.3	725.2	736.9	745.1	748.6	749.8
157.5°	678.4	691.2	701.3	710.3	717.2	720.4	720.2
160°	665.3	677.0	685.3	693.5	699.3	701.8	700.5
162.5°	654.1	663.9	671.2	677.5	682.5	683.0	682.7
165°	637.1	644.2	650.1	654.8	657.1	657.1	657.1
167.5°	620.8	626.1	630.4	632.7	634.8	633.9	633.7
170°	611.4	614.9	617.2	619.6	620.8	620.8	619.6
172.5°	602.9	605.5	606.9	607.3	609.5	607.6	606.4
175°	590.3	592.6	592.6	592.6	593.8	591.4	590.3
177.5°	584.8	584.8	584.8	583.9	584.8	582.0	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0

(END OF REPORT)