

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: P333288

Luminaire Tested: **S125DIP-S1090D1205U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333288
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: S125DIP-S1090D1205U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8812.4 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

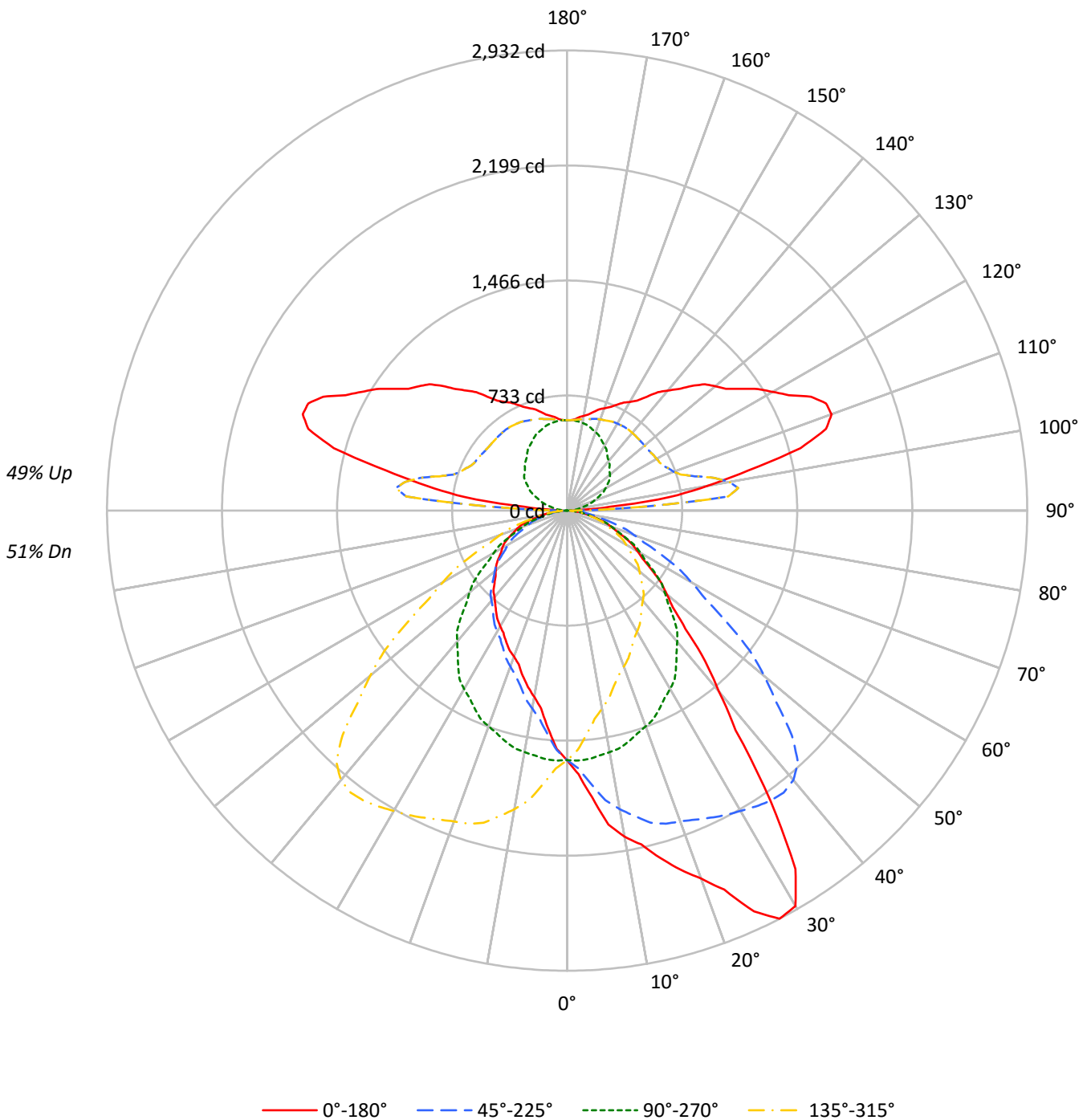
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	50	30	10	0														
RCR																																						
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51	51	51	51	51	51	51														
1	98	94	90	87	91	87	84	81	74	72	69	62	60	59	51	50	49	43	43	43	43	43	43	43														
2	90	82	76	71	83	76	71	67	65	61	58	55	52	49	45	43	41	37	37	37	37	37	37	37														
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31	31	31	31	31	31	31														
4	75	64	56	50	69	60	53	48	51	46	42	43	39	36	36	33	31	27	27	27	27	27	27	27														
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23	23	23	23	23	23	23														
6	63	51	43	38	58	48	41	36	41	36	31	35	31	27	29	26	24	21	21	21	21	21	21	21														
7	59	46	39	33	54	43	36	31	37	32	28	32	28	24	27	23	21	18	18	18	18	18	18	18														
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	25	21	19	16	16	16	16	16	16	16														
9	51	38	31	26	47	36	29	25	31	26	22	27	23	19	23	19	17	15	15	15	15	15	15	15														
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13	13	13	13	13	13	13														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10270	10270	10270	10270
5°	11893	10305	9022	10305
10°	13837	10251	7906	10251
15°	15317	10176	7293	10176
20°	17145	10057	6801	10057
25°	20085	9922	6560	9922
30°	21694	9790	6352	9790
35°	17837	9541	6215	9541
40°	12678	9195	6066	9195
45°	9740	8729	5980	8729
50°	8314	8151	5968	8151
55°	7402	7585	6019	7585
60°	6678	6966	6173	6966
65°	6168	6343	6333	6343
70°	5608	5697	6424	5697
75°	4951	5018	6366	5018
80°	4166	4091	5824	4091
85°	3298	2949	4698	2949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	1.7
10°-20°	455.8	5.2
20°-30°	740.1	8.4
30°-40°	902.8	10.2
40°-50°	821.3	9.3
50°-60°	654.2	7.4
60°-70°	455.6	5.2
70°-80°	243.0	2.8
80°-90°	64.5	0.7
90°-100°	417.8	4.7
100°-110°	898.0	10.2
110°-120°	842.8	9.6
120°-130°	683.0	7.8
130°-140°	548.1	6.2
140°-150°	413.6	4.7
150°-160°	291.2	3.3
160°-170°	171.6	1.9
170°-180°	55.8	0.6
0°-30°	1349.0	15.3
0°-40°	2251.8	25.6
0°-60°	3727.3	42.3
0°-90°	4490.4	51.0
90°-120°	2158.6	24.5
90°-150°	3803.4	43.2
90°-180°	4322.0	49.0
0°-180°	8812.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1834	1590	1392	1590	1834	185
15°	2291	1522	1091	1522	2291	656
25°	2819	1392	921	1392	2819	1287
35°	2262	1210	788	1210	2262	1385
45°	1066	956	655	956	1066	854
55°	657	674	535	674	657	592
65°	404	415	414	415	404	401
75°	198	201	255	201	198	214
85°	44	40	63	40	44	52
90°	27	1	27	1	27	20
95°	273	38	273	38	273	387
105°	1540	131	1540	131	1540	1530
115°	1715	235	1715	235	1715	1676
125°	1351	325	1351	325	1351	1223
135°	1122	381	1122	381	1122	870
145°	885	444	885	444	885	563
155°	742	507	742	507	742	346
165°	651	553	651	553	651	186
175°	584	575	584	575	584	57
180°	576	576	576	576	576	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1682.0	1679.8	1677.7	1673.3	1676.6	1667.4	1663.1	1655.5	1646.3	1643.1	1639.3
5°	1834.5	1837.9	1841.3	1827.1	1828.4	1819.0	1797.4	1779.8	1765.7	1747.4	1734.6
7.5°	2018.1	2010.1	2009.5	2000.3	1984.5	1971.8	1949.1	1920.2	1892.3	1860.4	1834.1
10°	2109.9	2110.6	2104.5	2093.7	2076.8	2064.7	2035.0	2006.6	1972.2	1931.7	1902.7
12.5°	2179.0	2181.8	2174.2	2159.6	2151.3	2124.1	2100.9	2067.1	2026.2	1993.8	1949.7
15°	2290.8	2283.4	2278.0	2259.7	2245.6	2217.2	2180.1	2145.0	2100.4	2059.3	2018.1
17.5°	2398.5	2404.4	2394.3	2377.7	2333.7	2300.6	2250.8	2202.8	2147.3	2092.1	2042.9
20°	2494.6	2500.0	2484.5	2455.5	2402.8	2369.8	2304.3	2242.2	2178.1	2107.2	2053.2
22.5°	2614.5	2610.2	2589.2	2545.1	2499.5	2438.3	2367.5	2291.9	2211.5	2131.5	2059.7
25°	2818.6	2790.2	2777.4	2722.8	2662.7	2572.9	2475.7	2365.0	2265.1	2159.2	2067.4
27.5°	2931.7	2922.8	2908.5	2870.4	2807.3	2711.3	2596.7	2461.8	2320.9	2187.1	2067.0
30°	2909.0	2910.4	2911.7	2899.6	2859.1	2786.9	2672.8	2527.7	2360.3	2209.8	2070.7
32.5°	2708.2	2732.7	2756.2	2784.0	2795.4	2781.5	2710.1	2579.0	2406.7	2235.7	2068.6
35°	2262.4	2269.9	2346.1	2421.7	2524.3	2604.0	2657.3	2599.2	2454.1	2257.7	2066.0
37.5°	1764.1	1800.5	1853.3	1938.7	2086.8	2219.4	2389.9	2468.3	2421.5	2264.9	2061.3
40°	1503.8	1537.5	1572.0	1659.0	1783.9	1944.5	2138.2	2303.6	2342.1	2242.2	2045.1
42.5°	1302.9	1329.7	1367.9	1433.3	1537.7	1680.0	1865.0	2081.1	2214.1	2176.3	2011.1
45°	1066.4	1083.3	1113.0	1165.0	1240.6	1351.9	1515.3	1751.5	1957.4	2025.5	1930.4
47.5°	912.8	912.7	935.8	971.7	1026.2	1120.8	1241.6	1426.7	1646.6	1809.3	1801.7
50°	827.5	824.1	842.3	873.4	916.6	979.4	1094.8	1242.6	1453.8	1638.1	1689.4
52.5°	754.1	754.5	765.7	788.6	824.8	878.4	964.6	1097.9	1278.4	1467.5	1564.1
55°	657.4	654.7	667.5	683.1	709.4	744.5	806.6	908.5	1054.9	1241.2	1366.8
57.5°	568.8	576.3	581.4	592.2	614.1	637.6	689.9	764.7	880.9	1040.8	1173.5
60°	517.0	524.4	528.5	539.3	556.8	577.1	617.6	678.3	776.2	913.9	1045.5
62.5°	470.6	476.4	477.7	487.4	501.8	521.5	553.3	604.4	681.7	802.1	931.0
65°	403.6	403.6	406.3	416.4	423.2	440.7	465.0	502.2	564.3	658.1	768.1
67.5°	339.1	342.3	341.7	346.1	352.3	366.0	383.4	414.0	460.0	528.5	616.5
70°	297.0	299.7	299.0	302.4	309.1	317.9	332.1	361.1	394.2	452.9	528.5
72.5°	259.2	260.3	258.5	263.0	267.0	274.7	290.5	306.0	336.9	386.5	448.6
75°	198.4	199.8	201.1	203.8	207.9	211.9	220.0	235.6	255.8	292.9	332.8
77.5°	148.8	146.2	149.4	149.0	151.3	154.4	161.6	169.8	186.4	209.9	240.7
80°	112.0	112.7	112.7	113.4	116.8	118.8	124.9	130.9	143.8	161.3	182.9
82.5°	81.8	83.6	82.5	83.7	86.5	88.0	91.4	96.4	103.8	117.6	133.2
85°	44.5	41.2	42.5	43.9	43.9	44.5	47.2	49.3	53.3	58.7	64.8
87.5°	18.3	19.4	19.7	19.7	20.2	19.8	21.7	21.5	22.8	24.2	25.9
90°	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9	19.8	18.6	16.3
92.5°	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9	303.3	374.6	380.7
95°	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4	1007.4	1029.5	840.1
97.5°	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2	1274.7	1099.4	750.2
100°	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2	1339.7	1049.2	669.3
102.5°	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5	1300.7	960.9	607.9
105°	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8	1175.9	842.4	548.4
107.5°	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7	1048.6	760.8	523.3
110°	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0	976.0	722.7	515.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8	922.1	700.4	515.9
115°	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1	863.3	676.3	519.4
117.5°	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2	828.2	664.4	527.1
120°	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8	808.7	658.8	534.5
122.5°	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7	792.0	654.2	541.0
125°	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2	769.2	648.4	551.9
127.5°	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0	748.3	645.6	564.2
130°	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8	734.4	643.7	571.7
132.5°	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5	723.2	643.7	580.0
135°	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3	710.0	643.7	591.4
137.5°	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8	698.1	645.1	601.9
140°	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8	692.5	646.0	606.5
142.5°	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7	687.9	647.0	609.3
145°	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9	680.9	646.0	612.4
147.5°	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1	673.7	643.0	613.5
150°	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7	668.1	640.2	613.5
152.5°	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4	661.6	636.5	612.6
155°	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4	650.7	629.8	610.0
157.5°	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5	640.5	622.8	607.0
160°	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2	632.1	618.2	604.2
162.5°	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0	624.7	612.6	601.4
165°	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8	613.5	604.2	597.2
167.5°	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3	602.6	596.1	590.7
170°	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9	596.1	591.4	588.0
172.5°	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5	589.6	585.9	584.2
175°	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5	581.0	579.8	579.8
177.5°	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2	577.3	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1636.1	1632.3	1628.0	1620.4	1611.2	1606.4	1598.8	1594.0	1584.2	1576.1	1567.5
5°	1719.1	1701.6	1685.4	1664.4	1641.5	1626.6	1609.1	1589.5	1569.3	1548.3	1525.4
7.5°	1805.1	1774.0	1740.3	1704.0	1668.5	1635.8	1604.6	1574.0	1545.4	1510.8	1481.5
10°	1862.9	1823.7	1781.9	1732.6	1684.7	1642.8	1600.3	1563.2	1525.4	1484.9	1449.1
12.5°	1920.6	1868.5	1809.4	1755.3	1697.6	1647.1	1597.1	1549.7	1502.2	1457.4	1415.6
15°	1961.4	1915.5	1860.8	1783.9	1719.1	1649.6	1583.4	1522.0	1464.6	1414.7	1362.1
17.5°	1988.3	1929.1	1870.4	1796.6	1711.7	1633.9	1559.0	1488.7	1424.0	1360.7	1309.9
20°	1993.1	1932.4	1871.0	1798.7	1711.7	1622.6	1547.7	1463.3	1393.8	1328.3	1266.2
22.5°	1991.5	1922.7	1855.8	1781.5	1696.6	1614.5	1523.9	1437.9	1362.5	1298.1	1233.3
25°	1976.3	1902.7	1819.0	1744.1	1660.4	1573.3	1481.5	1392.4	1315.5	1241.9	1177.8
27.5°	1963.6	1868.1	1773.4	1686.0	1605.2	1525.4	1437.5	1346.3	1260.9	1186.4	1126.0
30°	1947.9	1843.3	1736.6	1645.5	1562.5	1484.9	1401.9	1312.8	1223.7	1150.8	1086.0
32.5°	1933.9	1812.0	1699.4	1600.2	1512.3	1436.8	1360.3	1275.5	1188.0	1114.1	1049.3
35°	1906.7	1765.7	1636.8	1524.7	1430.9	1353.3	1289.2	1210.2	1129.9	1058.3	996.2
37.5°	1872.3	1704.9	1566.6	1449.1	1346.3	1264.5	1204.8	1144.2	1067.1	998.1	942.0
40°	1845.3	1661.7	1515.3	1395.1	1288.5	1203.4	1148.1	1090.7	1026.6	962.5	903.1
42.5°	1811.3	1622.9	1463.4	1334.1	1228.5	1145.7	1087.6	1038.9	982.3	922.5	867.4
45°	1748.8	1552.4	1379.6	1240.6	1133.9	1052.2	992.2	955.7	913.2	856.5	809.9
47.5°	1656.9	1467.7	1289.0	1145.5	1035.5	959.8	903.5	868.5	838.6	796.4	754.2
50°	1575.3	1404.6	1223.7	1081.3	971.3	895.0	843.0	811.3	785.6	753.2	717.5
52.5°	1484.1	1325.2	1159.4	1018.6	909.7	834.5	783.6	755.7	734.3	711.1	675.9
55°	1339.1	1204.1	1050.2	916.6	816.0	742.4	697.9	673.6	656.1	638.5	616.9
57.5°	1179.4	1073.8	937.5	815.3	722.7	655.8	614.2	590.6	576.9	567.9	555.2
60°	1067.1	976.7	859.2	747.8	657.4	598.0	557.5	539.3	527.8	520.4	510.9
62.5°	962.9	888.6	779.8	678.2	599.1	542.9	506.8	489.1	478.1	474.5	466.7
65°	809.3	751.9	662.1	577.8	510.3	462.3	432.0	415.1	408.3	404.3	405.0
67.5°	657.9	623.0	550.9	478.9	425.1	384.9	360.6	347.6	344.2	338.8	338.7
70°	565.6	539.3	478.5	415.8	367.8	336.8	315.2	301.7	298.3	295.6	295.0
72.5°	484.1	461.0	408.3	358.0	314.9	287.7	269.8	261.7	256.2	254.6	254.5
75°	363.8	351.0	309.1	269.3	239.6	220.7	208.6	201.1	197.1	196.4	197.1
77.5°	258.6	247.4	220.8	192.6	173.9	159.6	149.3	146.7	142.1	142.3	141.6
80°	194.4	187.0	170.1	147.8	132.3	120.1	114.7	110.0	108.7	106.6	108.7
82.5°	140.9	133.0	121.5	107.3	94.5	87.2	81.8	80.3	79.5	78.6	79.0
85°	69.5	70.2	63.4	52.6	47.2	43.2	39.8	39.8	39.1	38.5	39.1
87.5°	26.8	25.2	22.8	20.8	17.6	15.5	14.5	14.8	13.4	13.3	14.4
90°	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2	2.3	4.6	7.0
92.5°	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2	17.2	27.0	41.4
95°	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3	39.5	48.8	61.6
97.5°	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7	65.1	71.6	84.4
100°	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3	83.7	88.3	101.1
102.5°	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9	102.3	106.0	119.7
105°	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3	131.3	137.1	148.7
107.5°	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0	163.4	168.9	178.5
110°	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4	184.8	189.4	199.9



TEST NUMBER: P333288

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8	206.1	209.8	220.3
115°	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7	237.0	240.5	251.0
117.5°	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6	266.1	269.8	280.3
120°	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2	284.7	289.3	299.8
122.5°	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7	303.3	307.0	317.4
125°	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3	327.7	333.5	343.9
127.5°	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6	348.1	355.6	368.8
130°	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7	360.2	369.5	384.6
132.5°	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0	370.4	381.6	398.6
135°	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1	385.8	399.7	418.3
137.5°	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2	403.7	416.7	435.3
140°	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3	414.8	428.8	447.4
142.5°	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3	426.9	439.9	458.5
145°	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9	446.2	457.8	474.1
147.5°	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3	465.7	475.7	490.8
150°	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4	478.7	486.9	502.0
152.5°	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4	490.8	498.0	511.3
155°	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6	506.6	513.6	525.2
157.5°	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0	521.7	527.3	537.3
160°	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2	531.0	535.7	543.8
162.5°	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5	539.4	544.0	551.2
165°	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1	550.8	554.3	560.1
167.5°	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5	560.3	562.4	565.6
170°	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0	565.9	567.0	569.4
172.5°	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8	568.7	569.8	572.1
175°	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2	572.8	574.0	575.2
177.5°	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3	575.4	575.4	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333288

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1562.6	1556.7	1551.8	1541.0	1535.1	1527.0	1520.5	1527.5	1520.0	1523.2	1518.4
5°	1513.9	1495.0	1481.5	1461.9	1445.1	1429.5	1418.1	1416.0	1410.6	1407.9	1399.8
7.5°	1455.3	1431.7	1408.5	1382.8	1361.2	1339.2	1325.2	1313.6	1305.9	1295.8	1288.9
10°	1420.8	1389.0	1362.1	1331.0	1304.0	1280.4	1261.5	1252.0	1243.3	1230.4	1225.7
12.5°	1378.1	1345.3	1312.4	1279.2	1253.2	1226.9	1210.7	1196.4	1190.3	1175.9	1174.4
15°	1327.0	1277.7	1245.3	1211.5	1175.8	1154.2	1140.7	1125.1	1118.4	1108.3	1100.8
17.5°	1265.9	1221.9	1181.4	1146.5	1115.8	1097.6	1080.9	1070.2	1058.6	1052.0	1039.8
20°	1221.7	1179.8	1139.3	1102.2	1078.6	1057.6	1044.1	1034.0	1021.9	1018.5	1006.4
22.5°	1184.4	1138.2	1099.4	1068.2	1042.4	1018.8	1004.2	997.3	988.9	978.5	976.1
25°	1123.8	1075.9	1042.8	1011.8	988.8	967.2	957.1	948.3	940.2	932.8	930.1
27.5°	1071.4	1028.6	989.3	961.3	941.3	921.6	912.7	902.0	896.1	890.1	882.8
30°	1034.7	990.8	956.4	929.4	907.8	890.3	880.8	873.4	868.0	862.6	858.5
32.5°	996.9	956.3	922.9	896.5	874.9	861.6	853.3	848.0	842.1	835.6	830.5
35°	947.0	902.4	870.0	847.1	830.2	820.1	810.6	805.9	799.1	799.1	793.7
37.5°	890.7	852.2	823.6	802.7	787.5	778.5	768.2	765.0	760.7	757.8	755.9
40°	857.2	821.4	794.4	773.5	757.3	749.9	741.8	736.4	733.7	730.3	728.9
42.5°	822.6	788.5	762.6	743.3	729.2	722.9	715.3	711.5	706.1	701.7	700.9
45°	770.1	737.0	713.4	697.9	685.7	678.3	673.6	665.5	662.8	657.4	656.7
47.5°	720.3	688.6	665.4	652.7	642.0	635.9	628.5	620.4	617.3	614.6	614.3
50°	683.1	654.0	632.4	620.3	610.2	601.4	594.0	588.6	586.5	586.5	587.9
52.5°	645.3	620.5	602.2	587.3	577.8	568.4	561.6	558.3	555.2	558.5	560.9
55°	589.9	564.9	551.4	537.3	527.8	517.0	513.6	512.3	510.3	515.7	518.4
57.5°	531.3	513.8	498.0	483.9	475.4	469.2	464.6	463.8	467.6	470.2	478.9
60°	494.1	473.8	459.6	448.8	438.7	434.7	433.3	432.0	434.7	442.1	453.6
62.5°	453.0	436.6	421.3	413.2	405.8	399.0	398.8	399.6	405.0	413.5	424.9
65°	392.8	378.6	368.5	359.1	353.0	348.9	350.3	353.0	359.1	370.5	383.4
67.5°	331.7	322.0	312.9	305.2	299.4	299.4	300.8	304.8	312.0	325.2	336.9
70°	292.3	281.5	274.0	270.7	265.9	263.2	267.3	274.0	280.1	292.3	302.4
72.5°	252.8	243.7	237.9	235.6	233.5	231.4	232.7	240.0	248.2	260.4	272.1
75°	194.4	191.0	187.0	184.3	182.2	183.6	184.9	191.7	198.4	211.3	224.8
77.5°	141.9	138.4	135.9	135.3	134.2	134.9	138.6	143.6	150.2	159.6	169.8
80°	107.3	106.0	104.6	103.9	103.9	104.6	110.0	113.4	119.5	128.2	136.3
82.5°	78.2	77.3	77.1	76.9	77.5	77.6	80.9	85.3	90.3	96.9	103.9
85°	41.2	39.8	41.8	42.5	41.2	43.2	44.5	47.2	49.3	52.6	56.0
87.5°	15.4	16.9	16.6	17.6	17.8	19.4	19.1	21.5	22.8	24.1	24.0
90°	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9	22.1	23.2	25.6
92.5°	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9	149.4	112.5	95.3
95°	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4	658.8	515.9	418.3
97.5°	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2	1120.4	981.2	845.4
100°	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2	1372.3	1252.6	1131.7
102.5°	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5	1526.6	1469.2	1387.4
105°	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8	1614.0	1665.1	1652.3
107.5°	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7	1536.1	1667.4	1728.1
110°	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0	1447.8	1611.6	1710.4



TEST NUMBER: P333288

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8	1360.4	1526.1	1642.5
115°	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1	1235.2	1394.3	1521.0
117.5°	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2	1148.5	1285.6	1401.8
120°	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8	1099.2	1227.0	1329.3
122.5°	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7	1063.9	1177.8	1273.5
125°	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2	1016.7	1117.8	1201.5
127.5°	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0	971.6	1066.0	1144.3
130°	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8	940.0	1030.7	1106.2
132.5°	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5	910.3	992.5	1065.3
135°	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3	864.5	938.9	1005.1
137.5°	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8	823.6	885.4	941.7
140°	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8	799.4	852.9	901.7
142.5°	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7	779.0	825.0	867.3
145°	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9	752.9	789.0	820.3
147.5°	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1	731.3	759.0	782.7
150°	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7	719.3	741.3	762.2
152.5°	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4	707.2	727.4	743.7
155°	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4	689.0	705.3	718.1
157.5°	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5	671.8	684.4	694.4
160°	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2	658.8	670.4	678.6
162.5°	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0	647.7	657.4	664.6
165°	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8	630.9	637.9	643.7
167.5°	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3	614.7	620.0	624.2
170°	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9	605.4	608.9	611.2
172.5°	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5	597.0	599.6	601.0
175°	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5	584.5	586.8	586.8
177.5°	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2	579.1	579.1	579.1
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333288

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1515.1	1518.9	1515.7	1520.0	1515.7	1518.9	1515.1	1518.4	1523.2	1520.0	1527.5
5°	1396.5	1390.4	1394.4	1391.7	1394.4	1390.4	1396.5	1399.8	1407.9	1410.6	1416.0
7.5°	1286.9	1281.1	1274.4	1271.3	1274.4	1281.1	1286.9	1288.9	1295.8	1305.9	1313.6
10°	1218.3	1210.9	1210.2	1205.5	1210.2	1210.9	1218.3	1225.7	1230.4	1243.3	1252.0
12.5°	1168.1	1161.2	1153.5	1151.5	1153.5	1161.2	1168.1	1174.4	1175.9	1190.3	1196.4
15°	1096.8	1091.4	1086.7	1090.7	1086.7	1091.4	1096.8	1100.8	1108.3	1118.4	1125.1
17.5°	1037.5	1033.1	1032.3	1027.3	1032.3	1033.1	1037.5	1039.8	1052.0	1058.6	1070.2
20°	1000.3	996.9	998.3	989.5	998.3	996.9	1000.3	1006.4	1018.5	1021.9	1034.0
22.5°	970.6	964.0	963.2	961.4	963.2	964.0	970.6	976.1	978.5	988.9	997.3
25°	924.0	920.6	917.3	920.6	917.3	920.6	924.0	930.1	932.8	940.2	948.3
27.5°	883.4	879.3	878.4	878.8	878.4	879.3	883.4	882.8	890.1	896.1	902.0
30°	858.5	851.8	852.5	851.8	852.5	851.8	858.5	858.5	862.6	868.0	873.4
32.5°	831.5	826.9	826.0	824.8	826.0	826.9	831.5	830.5	835.6	842.1	848.0
35°	791.7	791.7	788.3	788.3	788.3	791.7	791.7	793.7	799.1	799.1	805.9
37.5°	754.3	753.6	751.6	751.9	751.6	753.6	754.3	755.9	757.8	760.7	765.0
40°	726.2	725.6	723.5	719.5	723.5	725.6	726.2	728.9	730.3	733.7	736.4
42.5°	699.2	697.0	696.0	694.7	696.0	697.0	699.2	700.9	701.7	706.1	711.5
45°	656.7	656.7	655.4	654.7	655.4	656.7	656.7	656.7	657.4	662.8	665.5
47.5°	615.4	616.6	619.2	618.8	619.2	616.6	615.4	614.3	614.6	617.3	620.4
50°	590.6	591.3	593.3	594.0	593.3	591.3	590.6	587.9	586.5	586.5	588.6
52.5°	563.0	567.0	569.5	569.1	569.5	567.0	563.0	560.9	558.5	555.2	558.3
55°	524.4	529.2	533.9	534.6	533.9	529.2	524.4	518.4	515.7	510.3	512.3
57.5°	486.2	492.8	497.8	499.5	497.8	492.8	486.2	478.9	470.2	467.6	463.8
60°	460.3	469.1	475.2	477.9	475.2	469.1	460.3	453.6	442.1	434.7	432.0
62.5°	435.5	445.3	451.4	451.9	451.4	445.3	435.5	424.9	413.5	405.0	399.6
65°	394.8	405.0	410.4	414.4	410.4	405.0	394.8	383.4	370.5	359.1	353.0
67.5°	351.1	361.2	367.2	370.4	367.2	361.2	351.1	336.9	325.2	312.0	304.8
70°	319.3	329.4	337.5	340.2	337.5	329.4	319.3	302.4	292.3	280.1	274.0
72.5°	287.9	297.0	303.5	306.7	303.5	297.0	287.9	272.1	260.4	248.2	240.0
75°	233.5	245.7	251.8	255.1	251.8	245.7	233.5	224.8	211.3	198.4	191.7
77.5°	180.1	191.1	194.8	196.5	194.8	191.1	180.1	169.8	159.6	150.2	143.6
80°	144.4	151.2	155.9	156.6	155.9	151.2	144.4	136.3	128.2	119.5	113.4
82.5°	111.0	116.6	118.1	119.9	118.1	116.6	111.0	103.9	96.9	90.3	85.3
85°	60.7	63.4	64.1	63.4	64.1	63.4	60.7	56.0	52.6	49.3	47.2
87.5°	25.1	24.6	24.8	25.9	24.8	24.6	25.1	24.0	24.1	22.8	21.5
90°	25.6	25.6	26.7	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9
92.5°	80.4	77.6	76.0	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9
95°	335.8	300.9	291.7	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4
97.5°	773.6	708.6	674.9	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2
100°	1051.6	967.9	924.9	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2
102.5°	1301.6	1242.1	1195.4	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5
105°	1615.1	1576.8	1553.5	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8
107.5°	1746.9	1746.7	1739.0	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7
110°	1762.7	1784.8	1792.9	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1719.0	1756.9	1777.1	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8
115°	1611.6	1667.4	1699.9	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1
117.5°	1492.4	1550.1	1582.4	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2
120°	1415.3	1471.0	1502.4	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8
122.5°	1350.2	1401.3	1432.7	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7
125°	1266.5	1314.2	1339.7	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2
127.5°	1203.3	1245.4	1269.6	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0
130°	1164.3	1202.6	1225.9	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8
132.5°	1123.4	1161.7	1183.1	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5
135°	1056.2	1094.6	1115.5	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3
137.5°	987.4	1022.3	1041.6	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8
140°	944.7	974.9	992.3	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8
142.5°	903.8	929.3	945.8	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7
145°	848.2	868.0	880.8	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9
147.5°	804.8	820.6	828.0	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1
150°	779.7	793.6	798.3	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7
152.5°	758.3	769.4	774.1	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4
155°	729.7	737.8	741.3	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4
157.5°	703.4	710.2	713.4	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5
160°	686.7	692.5	694.9	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2
162.5°	670.9	675.8	676.3	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0
165°	648.4	650.7	650.7	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8
167.5°	626.5	628.6	627.7	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3
170°	613.5	614.7	614.7	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9
172.5°	601.4	603.5	601.7	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5
175°	586.8	588.0	585.6	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5
177.5°	578.2	579.1	576.3	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1520.5	1527.0	1535.1	1541.0	1551.8	1556.7	1562.6	1567.5	1576.1	1584.2	1594.0
5°	1418.1	1429.5	1445.1	1461.9	1481.5	1495.0	1513.9	1525.4	1548.3	1569.3	1589.5
7.5°	1325.2	1339.2	1361.2	1382.8	1408.5	1431.7	1455.3	1481.5	1510.8	1545.4	1574.0
10°	1261.5	1280.4	1304.0	1331.0	1362.1	1389.0	1420.8	1449.1	1484.9	1525.4	1563.2
12.5°	1210.7	1226.9	1253.2	1279.2	1312.4	1345.3	1378.1	1415.6	1457.4	1502.2	1549.7
15°	1140.7	1154.2	1175.8	1211.5	1245.3	1277.7	1327.0	1362.1	1414.7	1464.6	1522.0
17.5°	1080.9	1097.6	1115.8	1146.5	1181.4	1221.9	1265.9	1309.9	1360.7	1424.0	1488.7
20°	1044.1	1057.6	1078.6	1102.2	1139.3	1179.8	1221.7	1266.2	1328.3	1393.8	1463.3
22.5°	1004.2	1018.8	1042.4	1068.2	1099.4	1138.2	1184.4	1233.3	1298.1	1362.5	1437.9
25°	957.1	967.2	988.8	1011.8	1042.8	1075.9	1123.8	1177.8	1241.9	1315.5	1392.4
27.5°	912.7	921.6	941.3	961.3	989.3	1028.6	1071.4	1126.0	1186.4	1260.9	1346.3
30°	880.8	890.3	907.8	929.4	956.4	990.8	1034.7	1086.0	1150.8	1223.7	1312.8
32.5°	853.3	861.6	874.9	896.5	922.9	956.3	996.9	1049.3	1114.1	1188.0	1275.5
35°	810.6	820.1	830.2	847.1	870.0	902.4	947.0	996.2	1058.3	1129.9	1210.2
37.5°	768.2	778.5	787.5	802.7	823.6	852.2	890.7	942.0	998.1	1067.1	1144.2
40°	741.8	749.9	757.3	773.5	794.4	821.4	857.2	903.1	962.5	1026.6	1090.7
42.5°	715.3	722.9	729.2	743.3	762.6	788.5	822.6	867.4	922.5	982.3	1038.9
45°	673.6	678.3	685.7	697.9	713.4	737.0	770.1	809.9	856.5	913.2	955.7
47.5°	628.5	635.9	642.0	652.7	665.4	688.6	720.3	754.2	796.4	838.6	868.5
50°	594.0	601.4	610.2	620.3	632.4	654.0	683.1	717.5	753.2	785.6	811.3
52.5°	561.6	568.4	577.8	587.3	602.2	620.5	645.3	675.9	711.1	734.3	755.7
55°	513.6	517.0	527.8	537.3	551.4	564.9	589.9	616.9	638.5	656.1	673.6
57.5°	464.6	469.2	475.4	483.9	498.0	513.8	531.3	555.2	567.9	576.9	590.6
60°	433.3	434.7	438.7	448.8	459.6	473.8	494.1	510.9	520.4	527.8	539.3
62.5°	398.8	399.0	405.8	413.2	421.3	436.6	453.0	466.7	474.5	478.1	489.1
65°	350.3	348.9	353.0	359.1	368.5	378.6	392.8	405.0	404.3	408.3	415.1
67.5°	300.8	299.4	299.4	305.2	312.9	322.0	331.7	338.7	338.8	344.2	347.6
70°	267.3	263.2	265.9	270.7	274.0	281.5	292.3	295.0	295.6	298.3	301.7
72.5°	232.7	231.4	233.5	235.6	237.9	243.7	252.8	254.5	254.6	256.2	261.7
75°	184.9	183.6	182.2	184.3	187.0	191.0	194.4	197.1	196.4	197.1	201.1
77.5°	138.6	134.9	134.2	135.3	135.9	138.4	141.9	141.6	142.3	142.1	146.7
80°	110.0	104.6	103.9	103.9	104.6	106.0	107.3	108.7	106.6	108.7	110.0
82.5°	80.9	77.6	77.5	76.9	77.1	77.3	78.2	79.0	78.6	79.5	80.3
85°	44.5	43.2	41.2	42.5	41.8	39.8	41.2	39.1	38.5	39.1	39.8
87.5°	19.1	19.4	17.8	17.6	16.6	16.9	15.4	14.4	13.3	13.4	14.8
90°	19.8	18.6	16.3	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2
92.5°	303.3	374.6	380.7	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2
95°	1007.4	1029.5	840.1	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3
97.5°	1274.7	1099.4	750.2	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7
100°	1339.7	1049.2	669.3	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3
102.5°	1300.7	960.9	607.9	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9
105°	1175.9	842.4	548.4	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3
107.5°	1048.6	760.8	523.3	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0
110°	976.0	722.7	515.9	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	922.1	700.4	515.9	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8
115°	863.3	676.3	519.4	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7
117.5°	828.2	664.4	527.1	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6
120°	808.7	658.8	534.5	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2
122.5°	792.0	654.2	541.0	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7
125°	769.2	648.4	551.9	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3
127.5°	748.3	645.6	564.2	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6
130°	734.4	643.7	571.7	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7
132.5°	723.2	643.7	580.0	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0
135°	710.0	643.7	591.4	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1
137.5°	698.1	645.1	601.9	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2
140°	692.5	646.0	606.5	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3
142.5°	687.9	647.0	609.3	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3
145°	680.9	646.0	612.4	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9
147.5°	673.7	643.0	613.5	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3
150°	668.1	640.2	613.5	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4
152.5°	661.6	636.5	612.6	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4
155°	650.7	629.8	610.0	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6
157.5°	640.5	622.8	607.0	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0
160°	632.1	618.2	604.2	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2
162.5°	624.7	612.6	601.4	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5
165°	613.5	604.2	597.2	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1
167.5°	602.6	596.1	590.7	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5
170°	596.1	591.4	588.0	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0
172.5°	589.6	585.9	584.2	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8
175°	581.0	579.8	579.8	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2
177.5°	577.3	576.3	576.3	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333288

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1598.8	1606.4	1611.2	1620.4	1628.0	1632.3	1636.1	1639.3	1643.1	1646.3	1655.5
5°	1609.1	1626.6	1641.5	1664.4	1685.4	1701.6	1719.1	1734.6	1747.4	1765.7	1779.8
7.5°	1604.6	1635.8	1668.5	1704.0	1740.3	1774.0	1805.1	1834.1	1860.4	1892.3	1920.2
10°	1600.3	1642.8	1684.7	1732.6	1781.9	1823.7	1862.9	1902.7	1931.7	1972.2	2006.6
12.5°	1597.1	1647.1	1697.6	1755.3	1809.4	1868.5	1920.6	1949.7	1993.8	2026.2	2067.1
15°	1583.4	1649.6	1719.1	1783.9	1860.8	1915.5	1961.4	2018.1	2059.3	2100.4	2145.0
17.5°	1559.0	1633.9	1711.7	1796.6	1870.4	1929.1	1988.3	2042.9	2092.1	2147.3	2202.8
20°	1547.7	1622.6	1711.7	1798.7	1871.0	1932.4	1993.1	2053.2	2107.2	2178.1	2242.2
22.5°	1523.9	1614.5	1696.6	1781.5	1855.8	1922.7	1991.5	2059.7	2131.5	2211.5	2291.9
25°	1481.5	1573.3	1660.4	1744.1	1819.0	1902.7	1976.3	2067.4	2159.2	2265.1	2365.0
27.5°	1437.5	1525.4	1605.2	1686.0	1773.4	1868.1	1963.6	2067.0	2187.1	2320.9	2461.8
30°	1401.9	1484.9	1562.5	1645.5	1736.6	1843.3	1947.9	2070.7	2209.8	2360.3	2527.7
32.5°	1360.3	1436.8	1512.3	1600.2	1699.4	1812.0	1933.9	2068.6	2235.7	2406.7	2579.0
35°	1289.2	1353.3	1430.9	1524.7	1636.8	1765.7	1906.7	2066.0	2257.7	2454.1	2599.2
37.5°	1204.8	1264.5	1346.3	1449.1	1566.6	1704.9	1872.3	2061.3	2264.9	2421.5	2468.3
40°	1148.1	1203.4	1288.5	1395.1	1515.3	1661.7	1845.3	2045.1	2242.2	2342.1	2303.6
42.5°	1087.6	1145.7	1228.5	1334.1	1463.4	1622.9	1811.3	2011.1	2176.3	2214.1	2081.1
45°	992.2	1052.2	1133.9	1240.6	1379.6	1552.4	1748.8	1930.4	2025.5	1957.4	1751.5
47.5°	903.5	959.8	1035.5	1145.5	1289.0	1467.7	1656.9	1801.7	1809.3	1646.6	1426.7
50°	843.0	895.0	971.3	1081.3	1223.7	1404.6	1575.3	1689.4	1638.1	1453.8	1242.6
52.5°	783.6	834.5	909.7	1018.6	1159.4	1325.2	1484.1	1564.1	1467.5	1278.4	1097.9
55°	697.9	742.4	816.0	916.6	1050.2	1204.1	1339.1	1366.8	1241.2	1054.9	908.5
57.5°	614.2	655.8	722.7	815.3	937.5	1073.8	1179.4	1173.5	1040.8	880.9	764.7
60°	557.5	598.0	657.4	747.8	859.2	976.7	1067.1	1045.5	913.9	776.2	678.3
62.5°	506.8	542.9	599.1	678.2	779.8	888.6	962.9	931.0	802.1	681.7	604.4
65°	432.0	462.3	510.3	577.8	662.1	751.9	809.3	768.1	658.1	564.3	502.2
67.5°	360.6	384.9	425.1	478.9	550.9	623.0	657.9	616.5	528.5	460.0	414.0
70°	315.2	336.8	367.8	415.8	478.5	539.3	565.6	528.5	452.9	394.2	361.1
72.5°	269.8	287.7	314.9	358.0	408.3	461.0	484.1	448.6	386.5	336.9	306.0
75°	208.6	220.7	239.6	269.3	309.1	351.0	363.8	332.8	292.9	255.8	235.6
77.5°	149.3	159.6	173.9	192.6	220.8	247.4	258.6	240.7	209.9	186.4	169.8
80°	114.7	120.1	132.3	147.8	170.1	187.0	194.4	182.9	161.3	143.8	130.9
82.5°	81.8	87.2	94.5	107.3	121.5	133.0	140.9	133.2	117.6	103.8	96.4
85°	39.8	43.2	47.2	52.6	63.4	70.2	69.5	64.8	58.7	53.3	49.3
87.5°	14.5	15.5	17.6	20.8	22.8	25.2	26.8	25.9	24.2	22.8	21.5
90°	2.3	4.6	7.0	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9
92.5°	17.2	27.0	41.4	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9
95°	39.5	48.8	61.6	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4
97.5°	65.1	71.6	84.4	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2
100°	83.7	88.3	101.1	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2
102.5°	102.3	106.0	119.7	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5
105°	131.3	137.1	148.7	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8
107.5°	163.4	168.9	178.5	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7
110°	184.8	189.4	199.9	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	206.1	209.8	220.3	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8
115°	237.0	240.5	251.0	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1
117.5°	266.1	269.8	280.3	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2
120°	284.7	289.3	299.8	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8
122.5°	303.3	307.0	317.4	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7
125°	327.7	333.5	343.9	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2
127.5°	348.1	355.6	368.8	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0
130°	360.2	369.5	384.6	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8
132.5°	370.4	381.6	398.6	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5
135°	385.8	399.7	418.3	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3
137.5°	403.7	416.7	435.3	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8
140°	414.8	428.8	447.4	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8
142.5°	426.9	439.9	458.5	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7
145°	446.2	457.8	474.1	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9
147.5°	465.7	475.7	490.8	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1
150°	478.7	486.9	502.0	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7
152.5°	490.8	498.0	511.3	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4
155°	506.6	513.6	525.2	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4
157.5°	521.7	527.3	537.3	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5
160°	531.0	535.7	543.8	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2
162.5°	539.4	544.0	551.2	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0
165°	550.8	554.3	560.1	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8
167.5°	560.3	562.4	565.6	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3
170°	565.9	567.0	569.4	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9
172.5°	568.7	569.8	572.1	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5
175°	572.8	574.0	575.2	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5
177.5°	575.4	575.4	576.3	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333288

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1663.1	1667.4	1676.6	1673.3	1677.7	1679.8	1682.0
5°	1797.4	1819.0	1828.4	1827.1	1841.3	1837.9	1834.5
7.5°	1949.1	1971.8	1984.5	2000.3	2009.5	2010.1	2018.1
10°	2035.0	2064.7	2076.8	2093.7	2104.5	2110.6	2109.9
12.5°	2100.9	2124.1	2151.3	2159.6	2174.2	2181.8	2179.0
15°	2180.1	2217.2	2245.6	2259.7	2278.0	2283.4	2290.8
17.5°	2250.8	2300.6	2333.7	2377.7	2394.3	2404.4	2398.5
20°	2304.3	2369.8	2402.8	2455.5	2484.5	2500.0	2494.6
22.5°	2367.5	2438.3	2499.5	2545.1	2589.2	2610.2	2614.5
25°	2475.7	2572.9	2662.7	2722.8	2777.4	2790.2	2818.6
27.5°	2596.7	2711.3	2807.3	2870.4	2908.5	2922.8	2931.7
30°	2672.8	2786.9	2859.1	2899.6	2911.7	2910.4	2909.0
32.5°	2710.1	2781.5	2795.4	2784.0	2756.2	2732.7	2708.2
35°	2657.3	2604.0	2524.3	2421.7	2346.1	2269.9	2262.4
37.5°	2389.9	2219.4	2086.8	1938.7	1853.3	1800.5	1764.1
40°	2138.2	1944.5	1783.9	1659.0	1572.0	1537.5	1503.8
42.5°	1865.0	1680.0	1537.7	1433.3	1367.9	1329.7	1302.9
45°	1515.3	1351.9	1240.6	1165.0	1113.0	1083.3	1066.4
47.5°	1241.6	1120.8	1026.2	971.7	935.8	912.7	912.8
50°	1094.8	979.4	916.6	873.4	842.3	824.1	827.5
52.5°	964.6	878.4	824.8	788.6	765.7	754.5	754.1
55°	806.6	744.5	709.4	683.1	667.5	654.7	657.4
57.5°	689.9	637.6	614.1	592.2	581.4	576.3	568.8
60°	617.6	577.1	556.8	539.3	528.5	524.4	517.0
62.5°	553.3	521.5	501.8	487.4	477.7	476.4	470.6
65°	465.0	440.7	423.2	416.4	406.3	403.6	403.6
67.5°	383.4	366.0	352.3	346.1	341.7	342.3	339.1
70°	332.1	317.9	309.1	302.4	299.0	299.7	297.0
72.5°	290.5	274.7	267.0	263.0	258.5	260.3	259.2
75°	220.0	211.9	207.9	203.8	201.1	199.8	198.4
77.5°	161.6	154.4	151.3	149.0	149.4	146.2	148.8
80°	124.9	118.8	116.8	113.4	112.7	112.7	112.0
82.5°	91.4	88.0	86.5	83.7	82.5	83.6	81.8
85°	47.2	44.5	43.9	43.9	42.5	41.2	44.5
87.5°	21.7	19.8	20.2	19.7	19.7	19.4	18.3
90°	22.1	23.2	25.6	25.6	25.6	26.7	26.7
92.5°	149.4	112.5	95.3	80.4	77.6	76.0	74.1
95°	658.8	515.9	418.3	335.8	300.9	291.7	273.1
97.5°	1120.4	981.2	845.4	773.6	708.6	674.9	660.0
100°	1372.3	1252.6	1131.7	1051.6	967.9	924.9	906.3
102.5°	1526.6	1469.2	1387.4	1301.6	1242.1	1195.4	1181.5
105°	1614.0	1665.1	1652.3	1615.1	1576.8	1553.5	1539.6
107.5°	1536.1	1667.4	1728.1	1746.9	1746.7	1739.0	1729.7
110°	1447.8	1611.6	1710.4	1762.7	1784.8	1792.9	1792.9



TEST NUMBER: P333288

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1360.4	1526.1	1642.5	1719.0	1756.9	1777.1	1785.5
115°	1235.2	1394.3	1521.0	1611.6	1667.4	1699.9	1715.0
117.5°	1148.5	1285.6	1401.8	1492.4	1550.1	1582.4	1591.6
120°	1099.2	1227.0	1329.3	1415.3	1471.0	1502.4	1511.7
122.5°	1063.9	1177.8	1273.5	1350.2	1401.3	1432.7	1441.1
125°	1016.7	1117.8	1201.5	1266.5	1314.2	1339.7	1351.4
127.5°	971.6	1066.0	1144.3	1203.3	1245.4	1269.6	1274.7
130°	940.0	1030.7	1106.2	1164.3	1202.6	1225.9	1232.8
132.5°	910.3	992.5	1065.3	1123.4	1161.7	1183.1	1191.0
135°	864.5	938.9	1005.1	1056.2	1094.6	1115.5	1122.5
137.5°	823.6	885.4	941.7	987.4	1022.3	1041.6	1049.2
140°	799.4	852.9	901.7	944.7	974.9	992.3	998.1
142.5°	779.0	825.0	867.3	903.8	929.3	945.8	950.7
145°	752.9	789.0	820.3	848.2	868.0	880.8	885.4
147.5°	731.3	759.0	782.7	804.8	820.6	828.0	830.1
150°	719.3	741.3	762.2	779.7	793.6	798.3	799.4
152.5°	707.2	727.4	743.7	758.3	769.4	774.1	775.3
155°	689.0	705.3	718.1	729.7	737.8	741.3	742.5
157.5°	671.8	684.4	694.4	703.4	710.2	713.4	713.2
160°	658.8	670.4	678.6	686.7	692.5	694.9	693.7
162.5°	647.7	657.4	664.6	670.9	675.8	676.3	676.0
165°	630.9	637.9	643.7	648.4	650.7	650.7	650.7
167.5°	614.7	620.0	624.2	626.5	628.6	627.7	627.5
170°	605.4	608.9	611.2	613.5	614.7	614.7	613.5
172.5°	597.0	599.6	601.0	601.4	603.5	601.7	600.5
175°	584.5	586.8	586.8	586.8	588.0	585.6	584.5
177.5°	579.1	579.1	579.1	578.2	579.1	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3

(END OF REPORT)