

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: P333279-840

Luminaire Tested: **S125DIP-S1090D1035U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333279-840
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: S125DIP-S1090D1035U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8284.0 lumens
Efficiency: N/A
Efficacy: 136.9 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

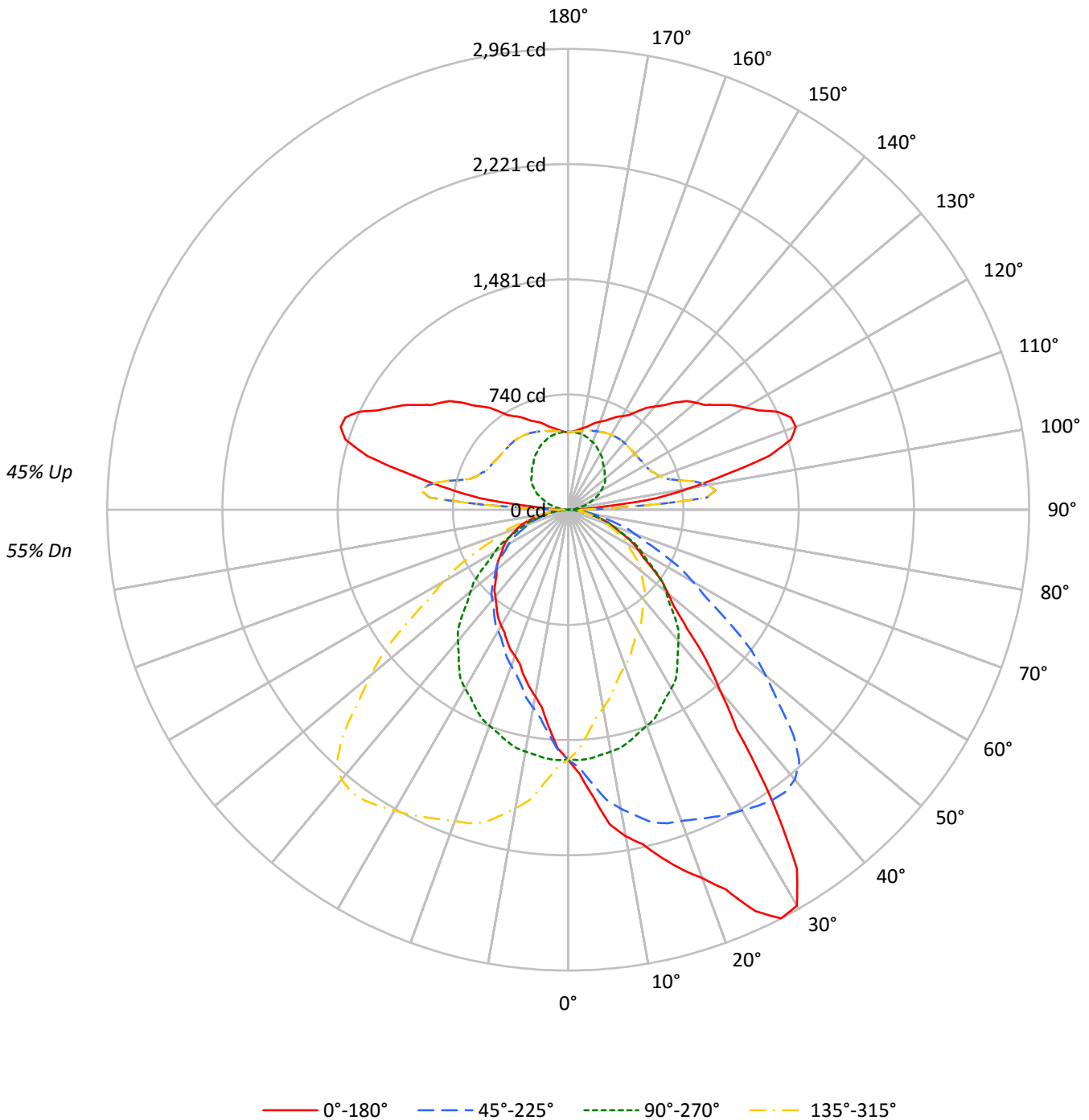
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	37	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	33	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	23	20	18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	44	34	27	23	30	24	20	26	21	18	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12010	10407	9111	10407
10°	13973	10352	7984	10352
15°	15468	10277	7365	10277
20°	17314	10156	6868	10156
25°	20283	10020	6625	10020
30°	21908	9887	6415	9887
35°	18013	9635	6277	9635
40°	12803	9286	6126	9286
45°	9836	8815	6039	8815
50°	8397	8232	6027	8232
55°	7475	7659	6079	7659
60°	6744	7034	6234	7034
65°	6229	6406	6395	6406
70°	5663	5754	6488	5754
75°	5001	5068	6428	5068
80°	4206	4132	5880	4132
85°	3327	2979	4742	2979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	1.9
10°-20°	460.3	5.6
20°-30°	747.4	9.0
30°-40°	911.7	11.0
40°-50°	829.4	10.0
50°-60°	660.6	8.0
60°-70°	460.1	5.6
70°-80°	245.4	3.0
80°-90°	64.7	0.8
90°-100°	362.4	4.4
100°-110°	779.1	9.4
110°-120°	731.2	8.8
120°-130°	592.6	7.2
130°-140°	475.6	5.7
140°-150°	358.9	4.3
150°-160°	252.6	3.0
160°-170°	148.9	1.8
170°-180°	48.4	0.6
0°-30°	1362.3	16.4
0°-40°	2274.0	27.5
0°-60°	3764.0	45.4
0°-90°	4534.3	54.7
90°-120°	1872.8	22.6
90°-150°	3299.8	39.8
90°-180°	3750.0	45.3
0°-180°	8284.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1606	1606	1606	1606	1606	
5°	1853	1605	1405	1605	1853	187
15°	2313	1537	1102	1537	2313	662
25°	2846	1406	930	1406	2846	1300
35°	2285	1222	796	1222	2285	1398
45°	1077	965	661	965	1077	862
55°	664	680	540	680	664	598
65°	408	419	418	419	408	405
75°	200	203	258	203	200	216
85°	45	40	64	40	45	52
90°	23	1	23	1	23	18
95°	237	33	237	33	237	336
105°	1336	114	1336	114	1336	1328
115°	1488	204	1488	204	1488	1454
125°	1172	282	1172	282	1172	1061
135°	974	331	974	331	974	755
145°	768	385	768	385	768	488
155°	644	440	644	440	644	300
165°	564	480	564	480	564	161
175°	507	499	507	499	507	49
180°	500	500	500	500	500	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1698.6	1696.4	1694.3	1689.8	1693.1	1683.8	1679.5	1671.8	1662.5	1659.3	1655.5
5°	1852.6	1856.0	1859.5	1845.1	1846.4	1836.9	1815.1	1797.4	1783.1	1764.6	1751.7
7.5°	2038.0	2029.9	2029.3	2020.0	2004.1	1991.3	1968.3	1939.1	1911.0	1878.8	1852.2
10°	2130.7	2131.4	2125.3	2114.4	2097.3	2085.1	2055.1	2026.4	1991.7	1950.8	1921.5
12.5°	2200.5	2203.3	2195.6	2180.9	2172.5	2145.1	2121.6	2087.5	2046.2	2013.5	1968.9
15°	2313.4	2305.9	2300.5	2282.0	2267.8	2239.1	2201.6	2166.2	2121.1	2079.6	2038.0
17.5°	2422.2	2428.1	2417.9	2401.2	2356.7	2323.3	2273.0	2224.5	2168.5	2112.7	2063.1
20°	2519.2	2524.7	2509.0	2479.7	2426.5	2393.2	2327.0	2264.3	2199.6	2128.0	2073.5
22.5°	2640.3	2635.9	2614.7	2570.2	2524.2	2462.4	2390.9	2314.5	2233.3	2152.5	2080.0
25°	2846.4	2817.7	2804.8	2749.7	2689.0	2598.3	2500.1	2388.3	2287.4	2180.5	2087.8
27.5°	2960.6	2951.6	2937.2	2898.7	2835.0	2738.0	2622.3	2486.1	2343.8	2208.7	2087.4
30°	2937.7	2939.1	2940.4	2928.2	2887.3	2814.4	2699.2	2552.6	2383.6	2231.6	2091.1
32.5°	2734.9	2759.7	2783.4	2811.5	2823.0	2808.9	2736.8	2604.4	2430.4	2257.8	2089.0
35°	2284.7	2292.3	2369.2	2445.6	2549.2	2629.7	2683.5	2624.8	2478.3	2280.0	2086.4
37.5°	1781.5	1818.3	1871.6	1957.8	2107.4	2241.3	2413.5	2492.6	2445.4	2287.2	2081.6
40°	1518.6	1552.7	1587.5	1675.4	1801.5	1963.7	2159.3	2326.3	2365.2	2264.3	2065.3
42.5°	1315.8	1342.8	1381.4	1447.4	1552.9	1696.6	1883.4	2101.6	2235.9	2197.8	2030.9
45°	1076.9	1094.0	1124.0	1176.5	1252.8	1365.2	1530.2	1768.8	1976.7	2045.5	1949.4
47.5°	921.8	921.7	945.0	981.3	1036.3	1131.9	1253.8	1440.8	1662.8	1827.1	1819.5
50°	835.7	832.2	850.6	882.0	925.6	989.1	1105.6	1254.9	1468.1	1654.3	1706.1
52.5°	761.5	761.9	773.3	796.4	832.9	887.1	974.1	1108.7	1291.0	1482.0	1579.5
55°	663.9	661.2	674.1	689.8	716.4	751.8	814.6	917.5	1065.3	1253.4	1380.3
57.5°	574.4	582.0	587.1	598.0	620.2	643.9	696.7	772.2	889.6	1051.1	1185.1
60°	522.1	529.6	533.7	544.6	562.3	582.8	623.7	685.0	783.9	922.9	1055.8
62.5°	475.2	481.1	482.4	492.2	506.8	526.6	558.8	610.4	688.4	810.0	940.2
65°	407.6	407.6	410.3	420.5	427.4	445.0	469.6	507.2	569.9	664.6	775.7
67.5°	342.4	345.7	345.1	349.5	355.8	369.6	387.2	418.1	464.5	533.7	622.6
70°	299.9	302.7	301.9	305.4	312.1	321.0	335.4	364.7	398.1	457.4	533.7
72.5°	261.8	262.9	261.1	265.6	269.6	277.4	293.4	309.0	340.2	390.3	453.0
75°	200.4	201.8	203.1	205.8	210.0	214.0	222.2	237.9	258.3	295.8	336.1
77.5°	150.3	147.6	150.9	150.5	152.8	155.9	163.2	171.5	188.2	212.0	243.1
80°	113.1	113.8	113.8	114.5	118.0	120.0	126.1	132.2	145.2	162.9	184.7
82.5°	82.6	84.4	83.3	84.5	87.4	88.9	92.3	97.4	104.8	118.8	134.5
85°	44.9	41.6	42.9	44.3	44.3	44.9	47.7	49.8	53.8	59.3	65.4
87.5°	17.8	18.8	19.2	19.2	19.7	19.3	21.3	21.1	22.5	23.9	25.8
90°	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2	17.2	16.2	14.1
92.5°	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6	263.1	325.0	330.2
95°	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9	874.0	893.2	728.9
97.5°	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5	1105.9	953.9	650.9
100°	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0	1162.4	910.3	580.7
102.5°	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0	1128.5	833.7	527.5
105°	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1	1020.3	730.8	475.8
107.5°	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4	909.7	660.1	454.0
110°	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6	846.8	627.0	447.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5	800.0	607.7	447.6
115°	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3	749.0	586.7	450.6
117.5°	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7	718.6	576.4	457.3
120°	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7	701.7	571.6	463.7
122.5°	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9	687.1	567.5	469.4
125°	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3	667.4	562.5	478.9
127.5°	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0	649.2	560.1	489.6
130°	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9	637.1	558.5	496.0
132.5°	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7	627.4	558.5	503.2
135°	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4	615.9	558.5	513.1
137.5°	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3	605.7	559.7	522.2
140°	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2	600.9	560.5	526.2
142.5°	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7	596.8	561.3	528.7
145°	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0	590.8	560.5	531.3
147.5°	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2	584.5	557.8	532.3
150°	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9	579.7	555.4	532.3
152.5°	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8	574.0	552.3	531.5
155°	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7	564.5	546.4	529.3
157.5°	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6	555.6	540.4	526.6
160°	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5	548.5	536.3	524.2
162.5°	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7	542.0	531.5	521.8
165°	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4	532.3	524.2	518.2
167.5°	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7	522.8	517.2	512.5
170°	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2	517.2	513.1	510.1
172.5°	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9	511.5	508.3	506.9
175°	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1	504.0	503.0	503.0
177.5°	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6	500.8	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1652.2	1648.4	1644.1	1636.4	1627.1	1622.2	1614.6	1609.7	1599.8	1591.6	1583.0
5°	1736.1	1718.4	1702.0	1680.8	1657.7	1642.6	1625.0	1605.2	1584.8	1563.6	1540.4
7.5°	1822.9	1791.5	1757.5	1720.8	1685.0	1651.9	1620.4	1589.5	1560.6	1525.7	1496.1
10°	1881.3	1841.7	1799.5	1749.7	1701.3	1659.0	1616.1	1578.6	1540.4	1499.5	1463.4
12.5°	1939.5	1886.9	1827.2	1772.6	1714.3	1663.3	1612.9	1565.0	1517.0	1471.8	1429.6
15°	1980.7	1934.4	1879.2	1801.5	1736.1	1665.9	1599.0	1537.0	1479.0	1428.7	1375.5
17.5°	2007.9	1948.1	1888.9	1814.3	1728.6	1650.0	1574.4	1503.4	1438.0	1374.1	1322.8
20°	2012.8	1951.5	1889.5	1816.4	1728.6	1638.6	1563.0	1477.7	1407.5	1341.4	1278.7
22.5°	2011.1	1941.7	1874.1	1799.1	1713.3	1630.4	1538.9	1452.1	1375.9	1310.9	1245.5
25°	1995.8	1921.5	1836.9	1761.3	1676.8	1588.8	1496.1	1406.1	1328.5	1254.2	1189.4
27.5°	1983.0	1886.5	1790.9	1702.6	1621.0	1540.4	1451.7	1359.6	1273.3	1198.1	1137.1
30°	1967.1	1861.5	1753.7	1661.7	1577.9	1499.5	1415.7	1325.8	1235.8	1162.2	1096.7
32.5°	1953.0	1829.9	1716.2	1616.0	1527.2	1451.0	1373.7	1288.1	1199.7	1125.1	1059.7
35°	1925.5	1783.1	1652.9	1539.7	1445.0	1366.7	1301.9	1222.1	1141.0	1068.7	1006.0
37.5°	1890.8	1721.7	1582.1	1463.4	1359.6	1277.0	1216.7	1155.5	1077.6	1007.9	951.3
40°	1863.5	1678.1	1530.2	1408.9	1301.2	1215.3	1159.4	1101.5	1036.7	972.0	912.0
42.5°	1829.2	1638.9	1477.8	1347.3	1240.6	1157.0	1098.3	1049.1	992.0	931.6	876.0
45°	1766.1	1567.7	1393.2	1252.8	1145.1	1062.6	1002.0	965.1	922.2	864.9	817.9
47.5°	1673.2	1482.2	1301.7	1156.8	1045.7	969.3	912.4	877.1	846.9	804.3	761.6
50°	1590.8	1418.5	1235.8	1092.0	980.9	903.8	851.3	819.3	793.3	760.6	724.6
52.5°	1498.7	1338.3	1170.8	1028.6	918.7	842.7	791.3	763.2	741.5	718.1	682.6
55°	1352.3	1216.0	1060.6	925.6	824.0	749.7	704.8	680.2	662.6	644.8	623.0
57.5°	1191.0	1084.4	946.7	823.3	729.8	662.3	620.3	596.4	582.6	573.5	560.7
60°	1077.6	986.3	867.7	755.2	663.9	603.9	563.0	544.6	533.0	525.5	515.9
62.5°	972.4	897.4	787.5	684.9	605.0	548.3	511.8	493.9	482.8	479.2	471.3
65°	817.3	759.3	668.6	583.5	515.3	466.9	436.3	419.2	412.3	408.3	409.0
67.5°	664.4	629.1	556.3	483.6	429.3	388.7	364.2	351.0	347.6	342.1	342.0
70°	571.2	544.6	483.2	419.9	371.4	340.1	318.3	304.7	301.2	298.5	297.9
72.5°	488.9	465.5	412.3	361.5	318.0	290.5	272.5	264.3	258.7	257.1	257.0
75°	367.4	354.5	312.1	272.0	242.0	222.9	210.7	203.1	199.0	198.3	199.0
77.5°	261.2	249.8	223.0	194.5	175.6	161.2	150.8	148.1	143.5	143.7	143.0
80°	196.3	188.8	171.8	149.3	133.6	121.3	115.8	111.1	109.8	107.7	109.8
82.5°	142.3	134.3	122.7	108.4	95.4	88.1	82.6	81.1	80.3	79.4	79.8
85°	70.2	70.9	64.0	53.1	47.7	43.6	40.2	40.2	39.5	38.9	39.5
87.5°	26.7	25.1	22.7	20.7	17.6	15.6	14.5	14.9	13.5	13.3	14.3
90°	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0	2.0	4.0	6.1
92.5°	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3	14.9	23.4	35.9
95°	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2	34.2	42.3	53.4
97.5°	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2	56.5	62.1	73.2
100°	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6	72.6	76.6	87.7
102.5°	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6	88.7	91.9	103.8
105°	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9	113.9	119.0	129.1
107.5°	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8	141.8	146.5	154.8
110°	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2	160.3	164.3	173.4



TEST NUMBER: P333279-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8	178.8	182.1	191.2
115°	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7	205.6	208.6	217.7
117.5°	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8	230.9	234.1	243.2
120°	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0	247.0	251.1	260.1
122.5°	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9	263.1	266.3	275.4
125°	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3	284.3	289.3	298.4
127.5°	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0	302.1	308.5	320.0
130°	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5	312.6	320.6	333.7
132.5°	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6	321.3	331.0	345.8
135°	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6	334.7	346.8	362.9
137.5°	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2	350.2	361.5	377.7
140°	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9	359.9	372.0	388.1
142.5°	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2	370.4	381.6	397.8
145°	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1	387.1	397.2	411.3
147.5°	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8	404.0	412.7	425.9
150°	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3	415.4	422.4	435.6
152.5°	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6	425.9	432.1	443.5
155°	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5	439.5	445.6	455.7
157.5°	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8	452.6	457.5	466.2
160°	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7	460.7	464.7	471.8
162.5°	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0	468.0	472.0	478.3
165°	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9	477.9	480.9	485.9
167.5°	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2	486.1	488.0	490.8
170°	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0	491.0	492.0	494.0
172.5°	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2	493.4	494.4	496.3
175°	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0	497.0	498.0	499.0
177.5°	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8	499.2	499.2	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333279-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1578.0	1572.1	1567.1	1556.2	1550.2	1542.1	1535.5	1542.6	1535.0	1538.2	1533.4
5°	1528.8	1509.7	1496.1	1476.3	1459.4	1443.6	1432.1	1430.0	1424.5	1421.8	1413.6
7.5°	1469.7	1445.8	1422.4	1396.4	1374.6	1352.4	1338.3	1326.6	1318.8	1308.6	1301.6
10°	1434.8	1402.7	1375.5	1344.1	1316.9	1293.0	1273.9	1264.4	1255.6	1242.5	1237.8
12.5°	1391.7	1358.6	1325.3	1291.8	1265.6	1239.0	1222.6	1208.2	1202.0	1187.5	1186.0
15°	1340.1	1290.3	1257.6	1223.5	1187.4	1165.6	1152.0	1136.2	1129.4	1119.2	1111.7
17.5°	1278.4	1234.0	1193.1	1157.8	1126.8	1108.4	1091.6	1080.8	1069.0	1062.4	1050.1
20°	1233.8	1191.4	1150.5	1113.1	1089.2	1068.0	1054.4	1044.2	1032.0	1028.5	1016.3
22.5°	1196.1	1149.4	1110.2	1078.7	1052.7	1028.9	1014.1	1007.1	998.7	988.2	985.7
25°	1134.9	1086.5	1053.1	1021.8	998.6	976.7	966.5	957.7	949.5	942.0	939.3
27.5°	1082.0	1038.7	999.1	970.8	950.6	930.7	921.7	910.9	904.9	898.9	891.5
30°	1044.9	1000.6	965.8	938.6	916.8	899.1	889.5	882.0	876.6	871.1	867.0
32.5°	1006.7	965.7	932.0	905.3	883.5	870.1	861.7	856.4	850.4	843.8	838.7
35°	956.3	911.3	878.6	855.5	838.4	828.2	818.6	813.9	807.0	807.0	801.5
37.5°	899.5	860.6	831.7	810.6	795.3	786.2	775.8	772.5	768.2	765.3	763.4
40°	865.7	829.5	802.2	781.1	764.8	757.3	749.1	743.7	740.9	737.5	736.1
42.5°	830.7	796.3	770.1	750.6	736.4	730.0	722.4	718.5	713.1	708.6	707.8
45°	777.7	744.3	720.4	704.8	692.5	685.0	680.2	672.1	669.3	663.9	663.2
47.5°	727.4	695.4	672.0	659.1	648.3	642.2	634.7	626.5	623.4	620.7	620.4
50°	689.8	660.5	638.6	626.4	616.2	607.3	599.9	594.4	592.3	592.3	593.7
52.5°	651.7	626.6	608.1	593.1	583.5	574.0	567.1	563.8	560.7	564.0	566.4
55°	595.7	570.5	556.8	542.6	533.0	522.1	518.7	517.4	515.3	520.8	523.5
57.5°	536.5	518.9	502.9	488.7	480.1	473.8	469.2	468.4	472.2	474.8	483.6
60°	499.0	478.5	464.1	453.2	443.0	439.0	437.6	436.3	439.0	446.5	458.1
62.5°	457.5	440.9	425.5	417.3	409.8	402.9	402.7	403.5	409.0	417.6	429.1
65°	396.7	382.3	372.1	362.6	356.5	352.3	353.8	356.5	362.6	374.2	387.2
67.5°	335.0	325.2	316.0	308.2	302.4	302.4	303.8	307.8	315.1	328.4	340.2
70°	295.2	284.3	276.7	273.4	268.5	265.8	269.9	276.7	282.9	295.2	305.4
72.5°	255.3	246.1	240.2	237.9	235.8	233.7	235.0	242.4	250.6	263.0	274.8
75°	196.3	192.9	188.8	186.1	184.0	185.4	186.7	193.6	200.4	213.4	227.0
77.5°	143.3	139.8	137.2	136.6	135.5	136.2	140.0	145.0	151.7	161.2	171.5
80°	108.4	107.0	105.6	104.9	104.9	105.6	111.1	114.5	120.7	129.5	137.6
82.5°	79.0	78.1	77.9	77.7	78.3	78.4	81.7	86.1	91.2	97.9	104.9
85°	41.6	40.2	42.2	42.9	41.6	43.6	44.9	47.7	49.8	53.1	56.6
87.5°	15.2	16.8	16.4	17.4	17.6	19.1	18.7	21.1	22.4	23.6	23.5
90°	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2	19.2	20.2	22.2
92.5°	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6	129.7	97.6	82.7
95°	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9	571.6	447.6	362.9
97.5°	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5	972.0	851.2	733.5
100°	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0	1190.6	1086.7	981.9
102.5°	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0	1324.4	1274.7	1203.7
105°	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1	1400.3	1444.6	1433.5
107.5°	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4	1332.7	1446.6	1499.2
110°	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6	1256.1	1398.3	1484.0



TEST NUMBER: P333279-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5	1180.3	1324.0	1425.1
115°	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3	1071.7	1209.7	1319.6
117.5°	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7	996.4	1115.4	1216.2
120°	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7	953.7	1064.6	1153.3
122.5°	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9	923.0	1021.8	1104.9
125°	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3	882.1	969.8	1042.4
127.5°	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0	843.0	924.8	992.8
130°	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9	815.6	894.2	959.8
132.5°	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7	789.7	861.1	924.2
135°	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4	750.0	814.6	872.0
137.5°	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3	714.6	768.2	817.0
140°	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2	693.6	739.9	782.3
142.5°	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7	675.8	715.8	752.5
145°	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0	653.3	684.5	711.8
147.5°	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2	634.5	658.5	679.0
150°	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9	624.0	643.2	661.4
152.5°	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8	613.5	631.1	645.2
155°	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7	597.8	612.0	623.0
157.5°	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6	582.9	593.8	602.5
160°	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5	571.6	581.7	588.8
162.5°	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7	561.9	570.4	576.6
165°	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4	547.4	553.5	558.5
167.5°	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7	533.3	538.0	541.6
170°	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2	525.2	528.3	530.3
172.5°	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9	518.0	520.2	521.4
175°	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1	507.1	509.1	509.1
177.5°	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6	502.4	502.4	502.4
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333279-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1530.0	1533.9	1530.7	1535.0	1530.7	1533.9	1530.0	1533.4	1538.2	1535.0	1542.6
5°	1410.3	1404.1	1408.2	1405.4	1408.2	1404.1	1410.3	1413.6	1421.8	1424.5	1430.0
7.5°	1299.6	1293.7	1287.0	1283.8	1287.0	1293.7	1299.6	1301.6	1308.6	1318.8	1326.6
10°	1230.3	1222.8	1222.1	1217.4	1222.1	1222.8	1230.3	1237.8	1242.5	1255.6	1264.4
12.5°	1179.6	1172.7	1164.9	1162.9	1164.9	1172.7	1179.6	1186.0	1187.5	1202.0	1208.2
15°	1107.6	1102.2	1097.4	1101.5	1097.4	1102.2	1107.6	1111.7	1119.2	1129.4	1136.2
17.5°	1047.7	1043.3	1042.5	1037.4	1042.5	1043.3	1047.7	1050.1	1062.4	1069.0	1080.8
20°	1010.2	1006.7	1008.1	999.3	1008.1	1006.7	1010.2	1016.3	1028.5	1032.0	1044.2
22.5°	980.2	973.5	972.7	970.9	972.7	973.5	980.2	985.7	988.2	998.7	1007.1
25°	933.1	929.7	926.3	929.7	926.3	929.7	933.1	939.3	942.0	949.5	957.7
27.5°	892.1	888.0	887.1	887.5	887.1	888.0	892.1	891.5	898.9	904.9	910.9
30°	867.0	860.2	860.9	860.2	860.9	860.2	867.0	867.0	871.1	876.6	882.0
32.5°	839.7	835.1	834.1	832.9	834.1	835.1	839.7	838.7	843.8	850.4	856.4
35°	799.5	799.5	796.1	796.1	796.1	799.5	799.5	801.5	807.0	807.0	813.9
37.5°	761.7	761.0	759.0	759.3	759.0	761.0	761.7	763.4	765.3	768.2	772.5
40°	733.4	732.8	730.6	726.6	730.6	732.8	733.4	736.1	737.5	740.9	743.7
42.5°	706.1	703.9	702.9	701.6	702.9	703.9	706.1	707.8	708.6	713.1	718.5
45°	663.2	663.2	661.9	661.2	661.9	663.2	663.2	663.2	663.9	669.3	672.1
47.5°	621.5	622.7	625.3	624.9	625.3	622.7	621.5	620.4	620.7	623.4	626.5
50°	596.4	597.1	599.2	599.9	599.2	597.1	596.4	593.7	592.3	592.3	594.4
52.5°	568.6	572.6	575.1	574.7	575.1	572.6	568.6	566.4	564.0	560.7	563.8
55°	529.6	534.4	539.2	539.9	539.2	534.4	529.6	523.5	520.8	515.3	517.4
57.5°	491.0	497.7	502.7	504.4	502.7	497.7	491.0	483.6	474.8	472.2	468.4
60°	464.8	473.7	479.9	482.6	479.9	473.7	464.8	458.1	446.5	439.0	436.3
62.5°	439.8	449.7	455.9	456.4	455.9	449.7	439.8	429.1	417.6	409.0	403.5
65°	398.7	409.0	414.4	418.5	414.4	409.0	398.7	387.2	374.2	362.6	356.5
67.5°	354.6	364.8	370.8	374.1	370.8	364.8	354.6	340.2	328.4	315.1	307.8
70°	322.4	332.6	340.8	343.6	340.8	332.6	322.4	305.4	295.2	282.9	276.7
72.5°	290.7	299.9	306.5	309.7	306.5	299.9	290.7	274.8	263.0	250.6	242.4
75°	235.8	248.1	254.3	257.6	254.3	248.1	235.8	227.0	213.4	200.4	193.6
77.5°	181.9	193.0	196.7	198.4	196.7	193.0	181.9	171.5	161.2	151.7	145.0
80°	145.8	152.7	157.4	158.1	157.4	152.7	145.8	137.6	129.5	120.7	114.5
82.5°	112.1	117.8	119.3	121.1	119.3	117.8	112.1	104.9	97.9	91.2	86.1
85°	61.3	64.0	64.7	64.0	64.7	64.0	61.3	56.6	53.1	49.8	47.7
87.5°	24.6	24.0	24.2	25.3	24.2	24.0	24.6	23.5	23.6	22.4	21.1
90°	22.2	22.2	23.2	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2
92.5°	69.8	67.4	65.9	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6
95°	291.3	261.2	253.1	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9
97.5°	671.3	614.7	585.5	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5
100°	912.3	839.8	802.4	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0
102.5°	1129.3	1077.7	1037.1	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0
105°	1401.3	1368.1	1347.9	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1
107.5°	1515.6	1515.4	1508.7	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4
110°	1529.3	1548.4	1555.5	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6



TEST NUMBER: P333279-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1491.4	1524.3	1541.9	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5
115°	1398.3	1446.6	1474.9	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3
117.5°	1294.8	1344.8	1372.8	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7
120°	1227.9	1276.3	1303.5	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7
122.5°	1171.4	1215.8	1243.0	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9
125°	1098.8	1140.1	1162.4	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3
127.5°	1044.0	1080.5	1101.5	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0
130°	1010.2	1043.4	1063.6	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9
132.5°	974.6	1007.9	1026.4	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7
135°	916.4	949.7	967.8	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4
137.5°	856.7	887.0	903.7	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3
140°	819.6	845.9	860.9	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2
142.5°	784.2	806.3	820.6	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7
145°	735.9	753.1	764.2	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0
147.5°	698.2	712.0	718.4	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2
150°	676.4	688.5	692.6	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9
152.5°	657.9	667.6	671.6	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8
155°	633.1	640.2	643.2	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7
157.5°	610.4	616.1	618.9	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6
160°	595.8	600.9	602.9	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5
162.5°	582.1	586.3	586.7	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7
165°	562.5	564.5	564.5	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4
167.5°	543.6	545.4	544.6	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7
170°	532.3	533.3	533.3	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2
172.5°	521.8	523.6	522.0	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9
175°	509.1	510.1	508.1	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1
177.5°	501.6	502.4	500.0	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333279-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1535.5	1542.1	1550.2	1556.2	1567.1	1572.1	1578.0	1583.0	1591.6	1599.8	1609.7
5°	1432.1	1443.6	1459.4	1476.3	1496.1	1509.7	1528.8	1540.4	1563.6	1584.8	1605.2
7.5°	1338.3	1352.4	1374.6	1396.4	1422.4	1445.8	1469.7	1496.1	1525.7	1560.6	1589.5
10°	1273.9	1293.0	1316.9	1344.1	1375.5	1402.7	1434.8	1463.4	1499.5	1540.4	1578.6
12.5°	1222.6	1239.0	1265.6	1291.8	1325.3	1358.6	1391.7	1429.6	1471.8	1517.0	1565.0
15°	1152.0	1165.6	1187.4	1223.5	1257.6	1290.3	1340.1	1375.5	1428.7	1479.0	1537.0
17.5°	1091.6	1108.4	1126.8	1157.8	1193.1	1234.0	1278.4	1322.8	1374.1	1438.0	1503.4
20°	1054.4	1068.0	1089.2	1113.1	1150.5	1191.4	1233.8	1278.7	1341.4	1407.5	1477.7
22.5°	1014.1	1028.9	1052.7	1078.7	1110.2	1149.4	1196.1	1245.5	1310.9	1375.9	1452.1
25°	966.5	976.7	998.6	1021.8	1053.1	1086.5	1134.9	1189.4	1254.2	1328.5	1406.1
27.5°	921.7	930.7	950.6	970.8	999.1	1038.7	1082.0	1137.1	1198.1	1273.3	1359.6
30°	889.5	899.1	916.8	938.6	965.8	1000.6	1044.9	1096.7	1162.2	1235.8	1325.8
32.5°	861.7	870.1	883.5	905.3	932.0	965.7	1006.7	1059.7	1125.1	1199.7	1288.1
35°	818.6	828.2	838.4	855.5	878.6	911.3	956.3	1006.0	1068.7	1141.0	1222.1
37.5°	775.8	786.2	795.3	810.6	831.7	860.6	899.5	951.3	1007.9	1077.6	1155.5
40°	749.1	757.3	764.8	781.1	802.2	829.5	865.7	912.0	972.0	1036.7	1101.5
42.5°	722.4	730.0	736.4	750.6	770.1	796.3	830.7	876.0	931.6	992.0	1049.1
45°	680.2	685.0	692.5	704.8	720.4	744.3	777.7	817.9	864.9	922.2	965.1
47.5°	634.7	642.2	648.3	659.1	672.0	695.4	727.4	761.6	804.3	846.9	877.1
50°	599.9	607.3	616.2	626.4	638.6	660.5	689.8	724.6	760.6	793.3	819.3
52.5°	567.1	574.0	583.5	593.1	608.1	626.6	651.7	682.6	718.1	741.5	763.2
55°	518.7	522.1	533.0	542.6	556.8	570.5	595.7	623.0	644.8	662.6	680.2
57.5°	469.2	473.8	480.1	488.7	502.9	518.9	536.5	560.7	573.5	582.6	596.4
60°	437.6	439.0	443.0	453.2	464.1	478.5	499.0	515.9	525.5	533.0	544.6
62.5°	402.7	402.9	409.8	417.3	425.5	440.9	457.5	471.3	479.2	482.8	493.9
65°	353.8	352.3	356.5	362.6	372.1	382.3	396.7	409.0	408.3	412.3	419.2
67.5°	303.8	302.4	302.4	308.2	316.0	325.2	335.0	342.0	342.1	347.6	351.0
70°	269.9	265.8	268.5	273.4	276.7	284.3	295.2	297.9	298.5	301.2	304.7
72.5°	235.0	233.7	235.8	237.9	240.2	246.1	255.3	257.0	257.1	258.7	264.3
75°	186.7	185.4	184.0	186.1	188.8	192.9	196.3	199.0	198.3	199.0	203.1
77.5°	140.0	136.2	135.5	136.6	137.2	139.8	143.3	143.0	143.7	143.5	148.1
80°	111.1	105.6	104.9	104.9	105.6	107.0	108.4	109.8	107.7	109.8	111.1
82.5°	81.7	78.4	78.3	77.7	77.9	78.1	79.0	79.8	79.4	80.3	81.1
85°	44.9	43.6	41.6	42.9	42.2	40.2	41.6	39.5	38.9	39.5	40.2
87.5°	18.7	19.1	17.6	17.4	16.4	16.8	15.2	14.3	13.3	13.5	14.9
90°	17.2	16.2	14.1	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0
92.5°	263.1	325.0	330.2	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3
95°	874.0	893.2	728.9	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2
97.5°	1105.9	953.9	650.9	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2
100°	1162.4	910.3	580.7	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6
102.5°	1128.5	833.7	527.5	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6
105°	1020.3	730.8	475.8	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9
107.5°	909.7	660.1	454.0	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8
110°	846.8	627.0	447.6	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	800.0	607.7	447.6	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8
115°	749.0	586.7	450.6	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7
117.5°	718.6	576.4	457.3	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8
120°	701.7	571.6	463.7	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0
122.5°	687.1	567.5	469.4	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9
125°	667.4	562.5	478.9	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3
127.5°	649.2	560.1	489.6	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0
130°	637.1	558.5	496.0	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5
132.5°	627.4	558.5	503.2	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6
135°	615.9	558.5	513.1	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6
137.5°	605.7	559.7	522.2	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2
140°	600.9	560.5	526.2	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9
142.5°	596.8	561.3	528.7	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2
145°	590.8	560.5	531.3	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1
147.5°	584.5	557.8	532.3	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8
150°	579.7	555.4	532.3	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3
152.5°	574.0	552.3	531.5	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6
155°	564.5	546.4	529.3	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5
157.5°	555.6	540.4	526.6	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8
160°	548.5	536.3	524.2	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7
162.5°	542.0	531.5	521.8	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0
165°	532.3	524.2	518.2	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9
167.5°	522.8	517.2	512.5	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2
170°	517.2	513.1	510.1	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0
172.5°	511.5	508.3	506.9	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2
175°	504.0	503.0	503.0	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0
177.5°	500.8	500.0	500.0	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1614.6	1622.2	1627.1	1636.4	1644.1	1648.4	1652.2	1655.5	1659.3	1662.5	1671.8
5°	1625.0	1642.6	1657.7	1680.8	1702.0	1718.4	1736.1	1751.7	1764.6	1783.1	1797.4
7.5°	1620.4	1651.9	1685.0	1720.8	1757.5	1791.5	1822.9	1852.2	1878.8	1911.0	1939.1
10°	1616.1	1659.0	1701.3	1749.7	1799.5	1841.7	1881.3	1921.5	1950.8	1991.7	2026.4
12.5°	1612.9	1663.3	1714.3	1772.6	1827.2	1886.9	1939.5	1968.9	2013.5	2046.2	2087.5
15°	1599.0	1665.9	1736.1	1801.5	1879.2	1934.4	1980.7	2038.0	2079.6	2121.1	2166.2
17.5°	1574.4	1650.0	1728.6	1814.3	1888.9	1948.1	2007.9	2063.1	2112.7	2168.5	2224.5
20°	1563.0	1638.6	1728.6	1816.4	1889.5	1951.5	2012.8	2073.5	2128.0	2199.6	2264.3
22.5°	1538.9	1630.4	1713.3	1799.1	1874.1	1941.7	2011.1	2080.0	2152.5	2233.3	2314.5
25°	1496.1	1588.8	1676.8	1761.3	1836.9	1921.5	1995.8	2087.8	2180.5	2287.4	2388.3
27.5°	1451.7	1540.4	1621.0	1702.6	1790.9	1886.5	1983.0	2087.4	2208.7	2343.8	2486.1
30°	1415.7	1499.5	1577.9	1661.7	1753.7	1861.5	1967.1	2091.1	2231.6	2383.6	2552.6
32.5°	1373.7	1451.0	1527.2	1616.0	1716.2	1829.9	1953.0	2089.0	2257.8	2430.4	2604.4
35°	1301.9	1366.7	1445.0	1539.7	1652.9	1783.1	1925.5	2086.4	2280.0	2478.3	2624.8
37.5°	1216.7	1277.0	1359.6	1463.4	1582.1	1721.7	1890.8	2081.6	2287.2	2445.4	2492.6
40°	1159.4	1215.3	1301.2	1408.9	1530.2	1678.1	1863.5	2065.3	2264.3	2365.2	2326.3
42.5°	1098.3	1157.0	1240.6	1347.3	1477.8	1638.9	1829.2	2030.9	2197.8	2235.9	2101.6
45°	1002.0	1062.6	1145.1	1252.8	1393.2	1567.7	1766.1	1949.4	2045.5	1976.7	1768.8
47.5°	912.4	969.3	1045.7	1156.8	1301.7	1482.2	1673.2	1819.5	1827.1	1662.8	1440.8
50°	851.3	903.8	980.9	1092.0	1235.8	1418.5	1590.8	1706.1	1654.3	1468.1	1254.9
52.5°	791.3	842.7	918.7	1028.6	1170.8	1338.3	1498.7	1579.5	1482.0	1291.0	1108.7
55°	704.8	749.7	824.0	925.6	1060.6	1216.0	1352.3	1380.3	1253.4	1065.3	917.5
57.5°	620.3	662.3	729.8	823.3	946.7	1084.4	1191.0	1185.1	1051.1	889.6	772.2
60°	563.0	603.9	663.9	755.2	867.7	986.3	1077.6	1055.8	922.9	783.9	685.0
62.5°	511.8	548.3	605.0	684.9	787.5	897.4	972.4	940.2	810.0	688.4	610.4
65°	436.3	466.9	515.3	583.5	668.6	759.3	817.3	775.7	664.6	569.9	507.2
67.5°	364.2	388.7	429.3	483.6	556.3	629.1	664.4	622.6	533.7	464.5	418.1
70°	318.3	340.1	371.4	419.9	483.2	544.6	571.2	533.7	457.4	398.1	364.7
72.5°	272.5	290.5	318.0	361.5	412.3	465.5	488.9	453.0	390.3	340.2	309.0
75°	210.7	222.9	242.0	272.0	312.1	354.5	367.4	336.1	295.8	258.3	237.9
77.5°	150.8	161.2	175.6	194.5	223.0	249.8	261.2	243.1	212.0	188.2	171.5
80°	115.8	121.3	133.6	149.3	171.8	188.8	196.3	184.7	162.9	145.2	132.2
82.5°	82.6	88.1	95.4	108.4	122.7	134.3	142.3	134.5	118.8	104.8	97.4
85°	40.2	43.6	47.7	53.1	64.0	70.9	70.2	65.4	59.3	53.8	49.8
87.5°	14.5	15.6	17.6	20.7	22.7	25.1	26.7	25.8	23.9	22.5	21.1
90°	2.0	4.0	6.1	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2
92.5°	14.9	23.4	35.9	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6
95°	34.2	42.3	53.4	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9
97.5°	56.5	62.1	73.2	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5
100°	72.6	76.6	87.7	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0
102.5°	88.7	91.9	103.8	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0
105°	113.9	119.0	129.1	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1
107.5°	141.8	146.5	154.8	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4
110°	160.3	164.3	173.4	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	178.8	182.1	191.2	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5
115°	205.6	208.6	217.7	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3
117.5°	230.9	234.1	243.2	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7
120°	247.0	251.1	260.1	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7
122.5°	263.1	266.3	275.4	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9
125°	284.3	289.3	298.4	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3
127.5°	302.1	308.5	320.0	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0
130°	312.6	320.6	333.7	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9
132.5°	321.3	331.0	345.8	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7
135°	334.7	346.8	362.9	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4
137.5°	350.2	361.5	377.7	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3
140°	359.9	372.0	388.1	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2
142.5°	370.4	381.6	397.8	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7
145°	387.1	397.2	411.3	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0
147.5°	404.0	412.7	425.9	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2
150°	415.4	422.4	435.6	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9
152.5°	425.9	432.1	443.5	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8
155°	439.5	445.6	455.7	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7
157.5°	452.6	457.5	466.2	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6
160°	460.7	464.7	471.8	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5
162.5°	468.0	472.0	478.3	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7
165°	477.9	480.9	485.9	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4
167.5°	486.1	488.0	490.8	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7
170°	491.0	492.0	494.0	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2
172.5°	493.4	494.4	496.3	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9
175°	497.0	498.0	499.0	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1
177.5°	499.2	499.2	500.0	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1679.5	1683.8	1693.1	1689.8	1694.3	1696.4	1698.6
5°	1815.1	1836.9	1846.4	1845.1	1859.5	1856.0	1852.6
7.5°	1968.3	1991.3	2004.1	2020.0	2029.3	2029.9	2038.0
10°	2055.1	2085.1	2097.3	2114.4	2125.3	2131.4	2130.7
12.5°	2121.6	2145.1	2172.5	2180.9	2195.6	2203.3	2200.5
15°	2201.6	2239.1	2267.8	2282.0	2300.5	2305.9	2313.4
17.5°	2273.0	2323.3	2356.7	2401.2	2417.9	2428.1	2422.2
20°	2327.0	2393.2	2426.5	2479.7	2509.0	2524.7	2519.2
22.5°	2390.9	2462.4	2524.2	2570.2	2614.7	2635.9	2640.3
25°	2500.1	2598.3	2689.0	2749.7	2804.8	2817.7	2846.4
27.5°	2622.3	2738.0	2835.0	2898.7	2937.2	2951.6	2960.6
30°	2699.2	2814.4	2887.3	2928.2	2940.4	2939.1	2937.7
32.5°	2736.8	2808.9	2823.0	2811.5	2783.4	2759.7	2734.9
35°	2683.5	2629.7	2549.2	2445.6	2369.2	2292.3	2284.7
37.5°	2413.5	2241.3	2107.4	1957.8	1871.6	1818.3	1781.5
40°	2159.3	1963.7	1801.5	1675.4	1587.5	1552.7	1518.6
42.5°	1883.4	1696.6	1552.9	1447.4	1381.4	1342.8	1315.8
45°	1530.2	1365.2	1252.8	1176.5	1124.0	1094.0	1076.9
47.5°	1253.8	1131.9	1036.3	981.3	945.0	921.7	921.8
50°	1105.6	989.1	925.6	882.0	850.6	832.2	835.7
52.5°	974.1	887.1	832.9	796.4	773.3	761.9	761.5
55°	814.6	751.8	716.4	689.8	674.1	661.2	663.9
57.5°	696.7	643.9	620.2	598.0	587.1	582.0	574.4
60°	623.7	582.8	562.3	544.6	533.7	529.6	522.1
62.5°	558.8	526.6	506.8	492.2	482.4	481.1	475.2
65°	469.6	445.0	427.4	420.5	410.3	407.6	407.6
67.5°	387.2	369.6	355.8	349.5	345.1	345.7	342.4
70°	335.4	321.0	312.1	305.4	301.9	302.7	299.9
72.5°	293.4	277.4	269.6	265.6	261.1	262.9	261.8
75°	222.2	214.0	210.0	205.8	203.1	201.8	200.4
77.5°	163.2	155.9	152.8	150.5	150.9	147.6	150.3
80°	126.1	120.0	118.0	114.5	113.8	113.8	113.1
82.5°	92.3	88.9	87.4	84.5	83.3	84.4	82.6
85°	47.7	44.9	44.3	44.3	42.9	41.6	44.9
87.5°	21.3	19.3	19.7	19.2	19.2	18.8	17.8
90°	19.2	20.2	22.2	22.2	22.2	23.2	23.2
92.5°	129.7	97.6	82.7	69.8	67.4	65.9	64.3
95°	571.6	447.6	362.9	291.3	261.2	253.1	236.9
97.5°	972.0	851.2	733.5	671.3	614.7	585.5	572.6
100°	1190.6	1086.7	981.9	912.3	839.8	802.4	786.4
102.5°	1324.4	1274.7	1203.7	1129.3	1077.7	1037.1	1025.0
105°	1400.3	1444.6	1433.5	1401.3	1368.1	1347.9	1335.7
107.5°	1332.7	1446.6	1499.2	1515.6	1515.4	1508.7	1500.7
110°	1256.1	1398.3	1484.0	1529.3	1548.4	1555.5	1555.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1180.3	1324.0	1425.1	1491.4	1524.3	1541.9	1549.0
115°	1071.7	1209.7	1319.6	1398.3	1446.6	1474.9	1488.0
117.5°	996.4	1115.4	1216.2	1294.8	1344.8	1372.8	1380.9
120°	953.7	1064.6	1153.3	1227.9	1276.3	1303.5	1311.6
122.5°	923.0	1021.8	1104.9	1171.4	1215.8	1243.0	1250.3
125°	882.1	969.8	1042.4	1098.8	1140.1	1162.4	1172.5
127.5°	843.0	924.8	992.8	1044.0	1080.5	1101.5	1105.9
130°	815.6	894.2	959.8	1010.2	1043.4	1063.6	1069.6
132.5°	789.7	861.1	924.2	974.6	1007.9	1026.4	1033.3
135°	750.0	814.6	872.0	916.4	949.7	967.8	973.8
137.5°	714.6	768.2	817.0	856.7	887.0	903.7	910.3
140°	693.6	739.9	782.3	819.6	845.9	860.9	866.0
142.5°	675.8	715.8	752.5	784.2	806.3	820.6	824.9
145°	653.3	684.5	711.8	735.9	753.1	764.2	768.2
147.5°	634.5	658.5	679.0	698.2	712.0	718.4	720.2
150°	624.0	643.2	661.4	676.4	688.5	692.6	693.6
152.5°	613.5	631.1	645.2	657.9	667.6	671.6	672.6
155°	597.8	612.0	623.0	633.1	640.2	643.2	644.2
157.5°	582.9	593.8	602.5	610.4	616.1	618.9	618.7
160°	571.6	581.7	588.8	595.8	600.9	602.9	601.9
162.5°	561.9	570.4	576.6	582.1	586.3	586.7	586.5
165°	547.4	553.5	558.5	562.5	564.5	564.5	564.5
167.5°	533.3	538.0	541.6	543.6	545.4	544.6	544.4
170°	525.2	528.3	530.3	532.3	533.3	533.3	532.3
172.5°	518.0	520.2	521.4	521.8	523.6	522.0	521.0
175°	507.1	509.1	509.1	509.1	510.1	508.1	507.1
177.5°	502.4	502.4	502.4	501.6	502.4	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0

(END OF REPORT)