

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: P333324-830

Luminaire Tested: **S125DIP-S1270D1035U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333324-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S1270D1035U830-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

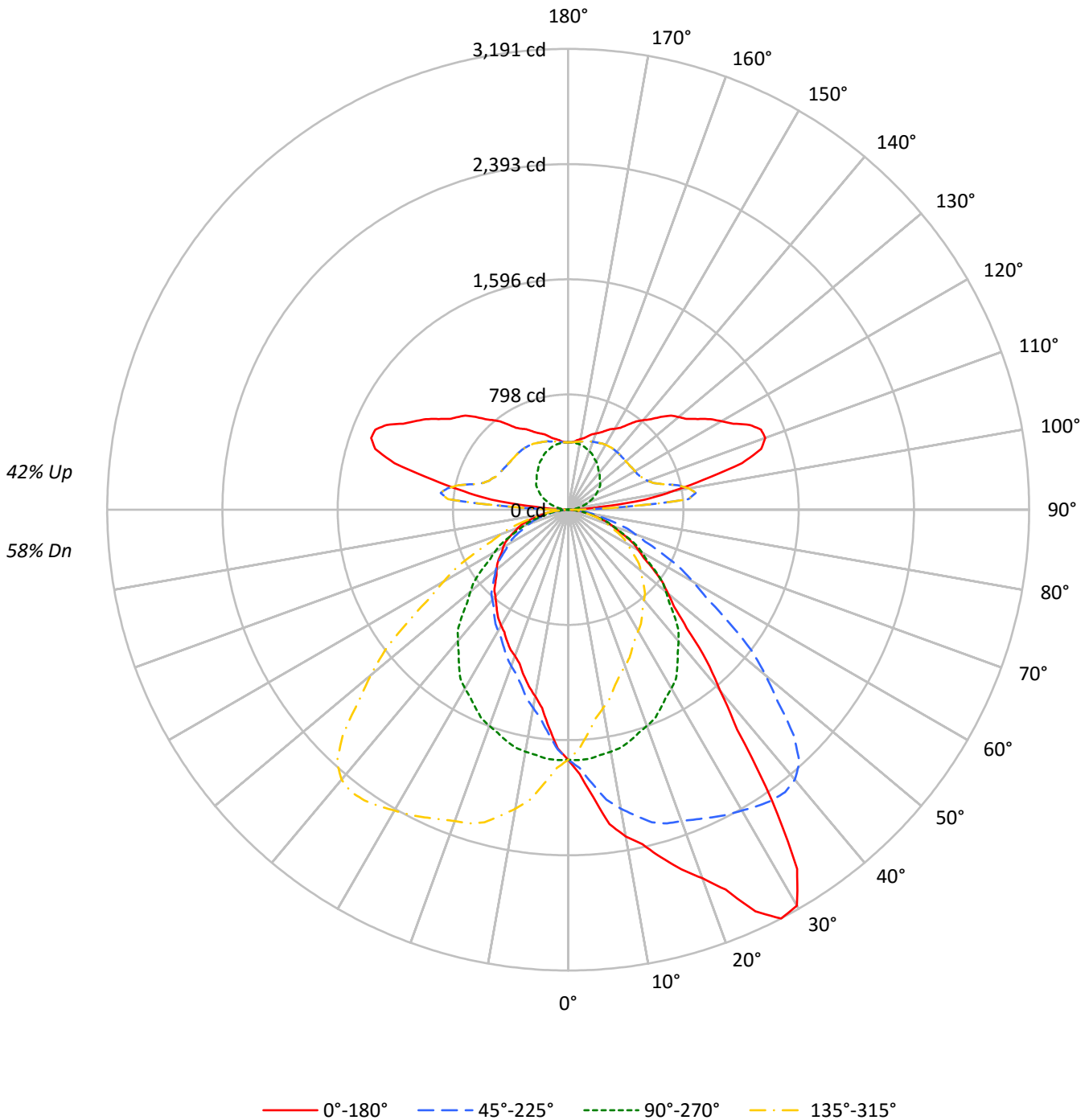
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8387.0 lumens  
Efficiency: N/A  
Efficacy: 125.6 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): 66.8  
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	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58				
1	100	96	92	88	93	89	86	83	78	75	73	67	65	63	57	56	54	50				
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	50	48	46	42				
3	83	74	67	61	77	69	63	58	60	55	51	52	48	45	45	42	40	36				
4	76	66	58	52	71	61	54	49	54	48	44	47	42	39	40	37	34	31				
5	70	58	50	44	65	55	48	42	48	42	38	42	37	34	36	33	30	27				
6	65	53	44	39	60	49	42	37	44	38	33	38	33	30	33	29	26	24				
7	60	47	39	34	56	45	37	32	39	34	29	35	30	26	30	26	23	21				
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19				
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	22	19	17				
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	24	20	17	15				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11180	11180	11180	11180
5°	12947	11218	9822	11218
10°	15062	11160	8605	11160
15°	16673	11078	7938	11078
20°	18664	10948	7403	10948
25°	21865	10802	7142	10802
30°	23616	10657	6915	10657
35°	19418	10387	6766	10387
40°	13801	10010	6604	10010
45°	10602	9502	6509	9502
50°	9051	8874	6497	8874
55°	8059	8257	6552	8257
60°	7270	7582	6719	7582
65°	6715	6906	6894	6906
70°	6105	6201	6992	6201
75°	5390	5465	6932	5465
80°	4537	4456	6338	4456
85°	3586	3216	5120	3216



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.6	2.0
10°-20°	496.2	5.9
20°-30°	805.7	9.6
30°-40°	982.8	11.7
40°-50°	894.0	10.7
50°-60°	712.1	8.5
60°-70°	496.0	5.9
70°-80°	264.5	3.2
80°-90°	69.4	0.8
90°-100°	338.3	4.0
100°-110°	727.2	8.7
110°-120°	682.5	8.1
120°-130°	553.1	6.6
130°-140°	443.9	5.3
140°-150°	334.9	4.0
150°-160°	235.8	2.8
160°-170°	139.0	1.7
170°-180°	45.2	0.5
0°-30°	1468.5	17.5
0°-40°	2451.2	29.2
0°-60°	4057.4	48.4
0°-90°	4887.3	58.3
90°-120°	1747.9	20.8
90°-150°	3079.8	36.7
90°-180°	3500.0	41.7
0°-180°	8387.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1731	1731	1731	1731	1731	
5°	1997	1730	1515	1730	1997	201
15°	2494	1657	1187	1657	2494	714
25°	3068	1516	1002	1516	3068	1401
35°	2463	1317	858	1317	2463	1507
45°	1161	1040	713	1040	1161	929
55°	716	733	582	733	716	645
65°	439	452	451	452	439	436
75°	216	219	278	219	216	233
85°	48	43	69	43	48	56
90°	22	1	22	1	22	17
95°	221	31	221	31	221	313
105°	1247	106	1247	106	1247	1239
115°	1389	190	1389	190	1389	1357
125°	1094	263	1094	263	1094	990
135°	909	309	909	309	909	704
145°	717	359	717	359	717	456
155°	601	410	601	410	601	280
165°	527	448	527	448	527	151
175°	473	466	473	466	473	46
180°	467	467	467	467	467	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1831.0	1828.6	1826.3	1821.6	1825.0	1815.1	1810.3	1802.1	1792.2	1788.7	1784.5
5°	1997.0	2000.6	2004.3	1989.0	1990.4	1980.1	1956.6	1937.5	1922.0	1902.2	1888.3
7.5°	2196.9	2188.2	2187.5	2177.5	2160.3	2146.5	2121.8	2090.3	2059.9	2025.2	1996.6
10°	2296.8	2297.5	2290.9	2279.2	2260.8	2247.6	2215.3	2184.3	2146.9	2102.8	2071.2
12.5°	2372.0	2375.1	2366.7	2350.9	2341.8	2312.2	2286.9	2250.2	2205.6	2170.4	2122.3
15°	2493.7	2485.6	2479.7	2459.8	2444.5	2413.6	2373.2	2335.0	2286.5	2241.6	2196.9
17.5°	2610.9	2617.4	2606.4	2588.3	2540.4	2504.4	2450.2	2397.8	2337.5	2277.4	2223.9
20°	2715.6	2721.5	2704.5	2673.0	2615.6	2579.6	2508.4	2440.8	2371.0	2293.9	2235.1
22.5°	2846.1	2841.4	2818.6	2770.5	2720.8	2654.3	2577.2	2494.8	2407.4	2320.3	2242.1
25°	3068.3	3037.3	3023.4	2963.9	2898.5	2800.8	2695.0	2574.5	2465.8	2350.4	2250.5
27.5°	3191.4	3181.6	3166.1	3124.7	3055.9	2951.4	2826.7	2679.8	2526.5	2380.9	2250.0
30°	3166.7	3168.2	3169.7	3156.4	3112.4	3033.7	2909.5	2751.6	2569.4	2405.6	2254.2
32.5°	2948.1	2974.8	3000.4	3030.7	3043.0	3027.8	2950.1	2807.5	2619.9	2433.7	2251.8
35°	2462.9	2470.9	2553.9	2636.2	2747.9	2834.6	2892.7	2829.4	2671.4	2457.7	2249.0
37.5°	1920.3	1960.0	2017.4	2110.4	2271.6	2415.9	2601.5	2686.9	2635.9	2465.5	2243.9
40°	1637.0	1673.8	1711.2	1806.0	1941.9	2116.8	2327.6	2507.6	2549.5	2440.8	2226.3
42.5°	1418.3	1447.5	1489.0	1560.3	1673.9	1828.7	2030.2	2265.5	2410.2	2369.1	2189.2
45°	1160.8	1179.2	1211.5	1268.2	1350.5	1471.7	1649.4	1906.7	2130.7	2204.9	2101.3
47.5°	993.6	993.5	1018.6	1057.7	1117.1	1220.1	1351.6	1553.1	1792.4	1969.5	1961.3
50°	900.8	897.1	916.9	950.7	997.8	1066.1	1191.8	1352.6	1582.6	1783.2	1839.0
52.5°	820.9	821.2	833.5	858.5	897.9	956.2	1050.1	1195.1	1391.6	1597.4	1702.7
55°	715.7	712.7	726.6	743.6	772.2	810.4	878.0	988.9	1148.4	1351.1	1487.8
57.5°	619.3	627.4	632.9	644.7	668.5	694.0	751.0	832.5	958.9	1132.9	1277.4
60°	562.8	570.9	575.3	587.0	606.1	628.2	672.3	738.4	845.0	994.9	1138.1
62.5°	512.3	518.6	520.0	530.7	546.2	567.7	602.4	657.9	742.1	873.2	1013.5
65°	439.4	439.4	442.3	453.4	460.7	479.8	506.2	546.7	614.3	716.3	836.1
67.5°	369.1	372.7	371.9	376.7	383.5	398.4	417.4	450.7	500.8	575.3	671.1
70°	323.3	326.2	325.5	329.1	336.5	346.1	361.5	393.0	429.0	493.0	575.3
72.5°	282.1	283.3	281.4	286.3	290.7	299.1	316.2	333.1	366.7	420.8	488.3
75°	216.0	217.4	219.0	221.9	226.3	230.7	239.5	256.5	278.4	318.9	362.2
77.5°	161.9	159.1	162.7	162.2	164.8	168.1	175.9	184.8	202.9	228.5	262.0
80°	122.0	122.7	122.7	123.5	127.1	129.3	135.9	142.5	156.5	175.6	199.2
82.5°	89.1	91.0	89.8	91.1	94.2	95.8	99.4	104.9	113.0	128.0	145.1
85°	48.4	44.9	46.3	47.8	47.8	48.4	51.5	53.6	58.1	63.9	70.5
87.5°	18.5	19.6	20.0	20.0	20.6	20.3	22.3	22.1	23.8	25.4	27.3
90°	21.7	21.7	20.7	20.7	20.7	18.9	17.9	17.0	16.0	15.1	13.2
92.5°	60.0	61.5	62.9	65.1	77.2	91.0	121.0	166.7	245.5	303.3	308.2
95°	221.1	236.2	243.7	271.9	338.7	417.7	533.5	676.6	815.8	833.7	680.3
97.5°	534.4	546.5	573.7	626.5	684.6	794.5	907.2	1007.6	1032.2	890.3	607.5
100°	734.0	748.9	783.8	851.5	916.4	1014.3	1111.3	1157.3	1084.9	849.6	542.0
102.5°	956.7	968.0	1005.9	1054.0	1123.4	1189.7	1236.1	1207.8	1053.3	778.2	492.3
105°	1246.7	1258.0	1276.9	1307.9	1337.9	1348.3	1306.9	1178.0	952.3	682.1	444.1
107.5°	1400.6	1408.2	1414.4	1414.6	1399.3	1350.2	1243.9	1071.9	849.0	616.1	423.8
110°	1451.8	1451.8	1445.2	1427.4	1385.1	1305.0	1172.3	993.6	790.3	585.2	417.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1445.8	1439.1	1422.7	1391.9	1330.1	1235.8	1101.6	931.9	746.7	567.2	417.7
115°	1388.8	1376.6	1350.2	1305.0	1231.6	1129.1	1000.2	854.3	699.1	547.6	420.6
117.5°	1288.8	1281.3	1255.2	1208.5	1135.1	1041.0	930.0	804.3	670.7	538.0	426.8
120°	1224.2	1216.6	1191.2	1146.0	1076.4	993.6	890.1	777.2	654.9	533.5	432.8
122.5°	1167.0	1160.2	1134.7	1093.3	1031.2	953.7	861.5	756.9	641.3	529.7	438.1
125°	1094.3	1084.9	1064.1	1025.6	972.9	905.1	823.3	727.4	622.9	525.0	447.0
127.5°	1032.2	1028.0	1008.4	974.4	926.6	863.2	786.8	697.2	606.0	522.7	456.9
130°	998.3	992.7	973.8	942.8	895.8	834.6	761.2	678.4	594.7	521.2	463.0
132.5°	964.4	958.0	940.8	909.6	862.6	803.7	737.1	659.6	585.6	521.2	469.7
135°	908.9	903.2	886.4	855.3	813.9	760.3	700.0	635.1	574.9	521.2	478.9
137.5°	849.6	843.5	827.8	799.6	762.5	717.0	666.9	614.4	565.3	522.4	487.4
140°	808.2	803.5	789.5	765.0	730.2	690.6	647.3	603.1	560.8	523.1	491.2
142.5°	769.9	765.9	752.5	731.9	702.3	668.1	630.7	593.3	557.0	523.9	493.4
145°	717.0	713.2	702.9	686.8	664.3	638.9	609.7	580.5	551.4	523.1	495.9
147.5°	672.2	670.5	664.5	651.7	633.8	614.6	592.2	568.5	545.5	520.7	496.8
150°	647.3	646.4	642.6	631.3	617.3	600.3	582.4	561.8	541.0	518.4	496.8
152.5°	627.7	626.8	623.1	614.1	602.2	589.0	572.6	554.2	535.7	515.5	496.1
155°	601.2	600.3	597.5	590.9	581.5	571.2	558.0	542.9	526.9	510.0	494.0
157.5°	577.5	577.7	575.0	569.7	562.3	554.2	544.0	531.6	518.6	504.4	491.5
160°	561.8	562.7	560.8	556.1	549.5	542.9	533.5	524.1	511.9	500.6	489.3
162.5°	547.4	547.6	547.2	543.3	538.2	532.3	524.4	515.9	505.9	496.1	487.0
165°	526.9	526.9	526.9	525.0	521.2	516.6	511.0	504.4	496.8	489.3	483.6
167.5°	508.1	508.3	509.1	507.4	505.5	502.1	497.8	493.4	488.0	482.7	478.3
170°	496.8	497.8	497.8	496.8	494.9	493.0	490.2	487.4	482.7	478.9	476.1
172.5°	486.3	487.2	488.7	487.0	486.6	485.5	483.4	480.6	477.4	474.4	473.1
175°	473.3	474.2	476.1	475.1	475.1	475.1	473.3	473.3	470.4	469.5	469.5
177.5°	466.7	466.7	468.9	468.2	468.9	468.9	468.9	468.2	467.4	466.7	466.7
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1781.0	1776.9	1772.2	1764.0	1754.0	1748.7	1740.4	1735.1	1724.6	1715.7	1706.4
5°	1871.3	1852.3	1834.7	1811.8	1786.9	1770.7	1751.6	1730.3	1708.3	1685.5	1660.5
7.5°	1965.0	1931.2	1894.4	1854.9	1816.3	1780.7	1746.7	1713.4	1682.2	1644.6	1612.8
10°	2027.9	1985.3	1939.7	1886.0	1833.9	1788.4	1742.0	1701.7	1660.5	1616.4	1577.4
12.5°	2090.7	2034.0	1969.6	1910.7	1848.0	1793.0	1738.5	1687.0	1635.2	1586.4	1541.1
15°	2135.1	2085.2	2025.6	1941.9	1871.3	1795.7	1723.7	1656.8	1594.4	1540.0	1482.7
17.5°	2164.4	2100.0	2036.1	1955.7	1863.3	1778.7	1697.0	1620.5	1550.1	1481.2	1426.0
20°	2169.6	2103.6	2036.6	1958.0	1863.3	1766.3	1684.7	1592.9	1517.2	1446.0	1378.4
22.5°	2167.9	2092.9	2020.2	1939.3	1846.8	1757.5	1658.9	1565.3	1483.1	1413.1	1342.5
25°	2151.3	2071.2	1980.1	1898.6	1807.4	1712.7	1612.8	1515.8	1432.0	1351.9	1282.1
27.5°	2137.5	2033.6	1930.4	1835.3	1747.4	1660.5	1564.8	1465.5	1372.6	1291.5	1225.7
30°	2120.4	2006.6	1890.5	1791.3	1700.9	1616.4	1526.1	1429.1	1332.1	1252.7	1182.2
32.5°	2105.2	1972.5	1849.9	1741.9	1646.2	1564.1	1480.7	1388.5	1293.3	1212.8	1142.2
35°	2075.7	1922.0	1781.7	1659.7	1557.6	1473.1	1403.4	1317.4	1229.9	1152.1	1084.5
37.5°	2038.2	1856.0	1705.3	1577.4	1465.5	1376.5	1311.5	1245.5	1161.6	1086.6	1025.4
40°	2008.7	1808.9	1649.4	1518.7	1402.6	1310.0	1249.8	1187.3	1117.6	1047.7	983.1
42.5°	1971.7	1766.6	1593.1	1452.3	1337.4	1247.2	1183.9	1130.9	1069.3	1004.3	944.2
45°	1903.7	1689.9	1501.8	1350.5	1234.4	1145.5	1080.1	1040.4	994.1	932.4	881.7
47.5°	1803.6	1597.7	1403.2	1247.0	1127.2	1044.8	983.5	945.5	912.9	867.0	821.0
50°	1714.9	1529.0	1332.1	1177.0	1057.2	974.2	917.7	883.2	855.3	819.9	781.0
52.5°	1615.5	1442.6	1262.2	1108.9	990.2	908.4	853.0	822.7	799.4	774.1	735.7
55°	1457.7	1310.8	1143.2	997.8	888.3	808.2	759.7	733.3	714.2	695.0	671.6
57.5°	1283.8	1168.9	1020.6	887.6	786.7	713.9	668.6	642.9	628.0	618.2	604.4
60°	1161.6	1063.2	935.3	814.1	715.7	651.0	606.9	587.0	574.6	566.5	556.2
62.5°	1048.2	967.3	848.9	738.3	652.1	591.0	551.7	532.3	520.5	516.5	508.0
65°	880.9	818.5	720.8	629.0	555.4	503.3	470.2	451.9	444.5	440.1	440.8
67.5°	716.2	678.2	599.6	521.3	462.7	419.0	392.5	378.4	374.8	368.8	368.7
70°	615.7	587.0	520.9	452.6	400.4	366.6	343.1	328.4	324.7	321.8	321.1
72.5°	527.0	501.8	444.5	389.7	342.8	313.1	293.8	284.9	278.9	277.1	277.0
75°	396.1	382.1	336.5	293.1	260.8	240.3	227.1	219.0	214.5	213.8	214.5
77.5°	281.5	269.4	240.4	209.7	189.3	173.7	162.5	159.8	154.8	154.9	154.1
80°	211.6	203.5	185.1	160.9	144.0	130.8	124.9	119.8	118.3	116.1	118.3
82.5°	153.4	144.8	132.2	116.8	102.8	94.9	89.1	87.5	86.5	85.5	86.0
85°	75.7	76.4	69.1	57.3	51.5	47.0	43.4	43.4	42.6	41.8	42.6
87.5°	28.3	26.8	24.2	22.1	18.8	16.6	15.6	16.0	14.5	14.2	15.3
90°	12.3	10.4	9.4	7.5	5.7	3.8	1.9	0.9	1.9	3.8	5.7
92.5°	214.7	128.6	77.2	49.7	33.5	21.9	13.9	11.5	13.9	21.9	33.5
95°	420.6	213.6	112.9	70.6	49.9	39.5	32.0	31.0	32.0	39.5	49.9
97.5°	335.7	184.1	117.4	86.9	68.3	58.0	52.7	51.6	52.7	58.0	68.3
100°	304.8	182.6	128.0	99.7	81.8	71.5	67.8	65.9	67.8	71.5	81.8
102.5°	292.1	189.4	140.7	113.3	96.9	85.8	82.8	81.7	82.8	85.8	96.9
105°	287.0	203.2	161.8	135.5	120.5	111.0	106.3	106.3	106.3	111.0	120.5
107.5°	295.7	223.9	183.9	160.1	144.5	136.8	132.3	130.4	132.3	136.8	144.5
110°	303.9	239.0	200.4	176.0	161.8	153.4	149.6	147.7	149.6	153.4	161.8





TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.4	253.3	216.2	192.5	178.4	169.9	166.9	165.0	166.9	169.9	178.4
115°	330.3	275.7	240.9	217.4	203.2	194.7	191.9	190.1	191.9	194.7	203.2
117.5°	348.4	298.7	265.7	243.0	227.0	218.5	215.5	212.6	215.5	218.5	227.0
120°	360.3	315.2	282.3	258.7	242.8	234.3	230.5	227.7	230.5	234.3	242.8
122.5°	373.9	331.0	298.1	274.6	257.0	248.5	245.5	243.6	245.5	248.5	257.0
125°	392.4	351.9	320.8	296.4	278.5	270.0	265.3	263.4	265.3	270.0	278.5
127.5°	409.3	372.0	342.1	317.6	298.7	287.9	281.9	279.1	281.9	287.9	298.7
130°	420.6	384.8	355.6	331.2	311.4	299.3	291.7	288.9	291.7	299.3	311.4
132.5°	430.4	396.9	367.7	343.3	322.7	309.0	299.9	296.4	299.9	309.0	322.7
135°	444.1	413.0	383.9	358.4	338.7	323.7	312.4	308.6	312.4	323.7	338.7
137.5°	454.3	424.5	398.0	371.8	352.5	337.4	326.9	324.0	326.9	337.4	352.5
140°	461.1	432.8	405.6	380.1	362.2	347.2	335.9	333.1	335.9	347.2	362.2
142.5°	464.8	438.1	412.3	388.4	371.3	356.2	345.7	343.7	345.7	356.2	371.3
145°	470.4	447.0	422.4	400.9	383.9	370.7	361.3	359.4	361.3	370.7	383.9
147.5°	473.8	452.6	431.1	412.1	397.5	385.2	377.1	376.0	377.1	385.2	397.5
150°	476.1	456.4	435.6	419.6	406.5	394.3	387.7	385.8	387.7	394.3	406.5
152.5°	477.6	460.1	440.9	426.4	414.0	403.3	397.5	396.3	397.5	403.3	414.0
155°	478.9	463.8	447.9	434.7	425.3	415.8	410.2	410.2	410.2	415.8	425.3
157.5°	479.8	467.0	453.4	443.4	435.1	427.0	422.4	422.6	422.4	427.0	435.1
160°	479.8	468.5	456.4	447.9	440.4	433.8	430.0	430.9	430.0	433.8	440.4
162.5°	479.1	470.0	459.4	452.4	446.4	440.5	436.8	437.7	436.8	440.5	446.4
165°	478.0	470.4	463.0	457.3	453.6	448.8	446.0	447.9	446.0	448.8	453.6
167.5°	475.7	470.4	464.2	460.7	458.1	455.4	453.7	454.7	453.7	455.4	458.1
170°	474.2	470.4	465.7	463.0	461.1	459.2	458.3	459.2	458.3	459.2	461.1
172.5°	472.7	469.7	465.7	464.4	463.3	461.5	460.5	462.2	460.5	461.5	463.3
175°	470.4	468.5	465.7	465.7	465.7	464.8	463.8	465.7	463.8	464.8	465.7
177.5°	468.2	467.4	465.9	465.9	466.7	465.9	465.9	467.4	465.9	465.9	466.7
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1701.0	1694.6	1689.3	1677.5	1671.0	1662.3	1655.2	1662.8	1654.6	1658.1	1652.8
5°	1648.0	1627.4	1612.8	1591.4	1573.1	1556.1	1543.7	1541.4	1535.6	1532.7	1523.8
7.5°	1584.2	1558.5	1533.2	1505.3	1481.8	1457.8	1442.6	1429.9	1421.5	1410.5	1403.1
10°	1546.6	1512.1	1482.7	1448.9	1419.5	1393.8	1373.2	1362.9	1353.4	1339.4	1334.3
12.5°	1500.2	1464.4	1428.6	1392.5	1364.2	1335.6	1318.0	1302.4	1295.8	1280.1	1278.5
15°	1444.4	1390.8	1355.6	1318.8	1279.9	1256.4	1241.7	1224.8	1217.5	1206.5	1198.3
17.5°	1378.1	1330.1	1286.1	1248.0	1214.7	1194.9	1176.6	1165.0	1152.4	1145.2	1131.9
20°	1329.8	1284.3	1240.2	1199.9	1174.1	1151.3	1136.6	1125.6	1112.4	1108.7	1095.5
22.5°	1289.3	1239.1	1196.7	1162.8	1134.7	1109.0	1093.2	1085.6	1076.6	1065.3	1062.5
25°	1223.3	1171.2	1135.2	1101.4	1076.4	1052.9	1041.9	1032.3	1023.5	1015.4	1012.5
27.5°	1166.3	1119.7	1076.9	1046.4	1024.6	1003.2	993.5	981.9	975.4	968.9	961.0
30°	1126.3	1078.6	1041.1	1011.7	988.3	969.1	958.8	950.7	944.9	939.0	934.6
32.5°	1085.2	1040.9	1004.7	975.9	952.3	937.9	928.9	923.1	916.6	909.6	904.0
35°	1030.9	982.3	947.1	922.1	903.7	892.7	882.4	877.2	870.0	870.0	864.0
37.5°	969.6	927.7	896.5	873.7	857.2	847.4	836.3	832.7	828.0	824.9	822.9
40°	933.1	894.2	864.8	842.0	824.3	816.2	807.5	801.6	798.6	794.9	793.5
42.5°	895.5	858.3	830.1	809.1	793.8	786.9	778.6	774.6	768.6	763.8	763.0
45°	838.3	802.3	776.7	759.7	746.5	738.4	733.3	724.4	721.5	715.7	714.9
47.5°	784.1	749.6	724.3	710.5	698.9	692.3	684.2	675.3	672.0	669.0	668.7
50°	743.6	712.0	688.4	675.2	664.2	654.7	646.6	640.6	638.5	638.5	640.0
52.5°	702.4	675.5	655.5	639.3	629.0	618.8	611.3	607.8	604.4	607.9	610.6
55°	642.2	615.0	600.3	584.8	574.6	562.8	559.1	557.7	555.4	561.4	564.3
57.5°	578.3	559.3	542.1	526.8	517.6	510.8	505.8	504.9	509.1	511.8	521.3
60°	537.8	515.8	500.4	488.6	477.6	473.2	471.7	470.2	473.2	481.3	493.7
62.5°	493.1	475.2	458.6	449.8	441.7	434.4	434.0	435.0	440.8	450.1	462.6
65°	427.6	412.2	401.1	390.9	384.3	379.8	381.4	384.3	390.9	403.4	417.4
67.5°	361.1	350.4	340.6	332.2	325.9	325.9	327.4	331.8	339.6	354.0	366.7
70°	318.1	306.4	298.3	294.6	289.5	286.5	291.0	298.3	304.9	318.1	329.1
72.5°	275.2	265.2	258.9	256.5	254.2	251.8	253.4	261.3	270.2	283.4	296.2
75°	211.6	207.9	203.5	200.6	198.4	199.8	201.3	208.7	216.0	230.0	244.7
77.5°	154.5	150.6	148.0	147.2	146.1	146.8	150.9	156.4	163.5	173.7	184.8
80°	116.8	115.4	113.9	113.1	113.1	113.9	119.8	123.5	130.1	139.6	148.5
82.5°	85.1	84.2	83.9	83.8	84.4	84.5	88.0	92.8	98.3	105.5	113.1
85°	44.9	43.4	45.5	46.3	44.9	47.0	48.4	51.5	53.6	57.3	61.0
87.5°	16.2	17.7	17.3	18.3	18.5	20.1	19.7	22.1	23.6	24.9	24.7
90°	7.5	9.4	10.4	12.3	13.2	15.1	16.0	17.0	17.9	18.9	20.7
92.5°	49.7	77.2	128.6	214.7	308.2	303.3	245.5	166.7	121.0	91.0	77.2
95°	70.6	112.9	213.6	420.6	680.3	833.7	815.8	676.6	533.5	417.7	338.7
97.5°	86.9	117.4	184.1	335.7	607.5	890.3	1032.2	1007.6	907.2	794.5	684.6
100°	99.7	128.0	182.6	304.8	542.0	849.6	1084.9	1157.3	1111.3	1014.3	916.4
102.5°	113.3	140.7	189.4	292.1	492.3	778.2	1053.3	1207.8	1236.1	1189.7	1123.4
105°	135.5	161.8	203.2	287.0	444.1	682.1	952.3	1178.0	1306.9	1348.3	1337.9
107.5°	160.1	183.9	223.9	295.7	423.8	616.1	849.0	1071.9	1243.9	1350.2	1399.3
110°	176.0	200.4	239.0	303.9	417.7	585.2	790.3	993.6	1172.3	1305.0	1385.1



TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	192.5	216.2	253.3	314.4	417.7	567.2	746.7	931.9	1101.6	1235.8	1330.1
115°	217.4	240.9	275.7	330.3	420.6	547.6	699.1	854.3	1000.2	1129.1	1231.6
117.5°	243.0	265.7	298.7	348.4	426.8	538.0	670.7	804.3	930.0	1041.0	1135.1
120°	258.7	282.3	315.2	360.3	432.8	533.5	654.9	777.2	890.1	993.6	1076.4
122.5°	274.6	298.1	331.0	373.9	438.1	529.7	641.3	756.9	861.5	953.7	1031.2
125°	296.4	320.8	351.9	392.4	447.0	525.0	622.9	727.4	823.3	905.1	972.9
127.5°	317.6	342.1	372.0	409.3	456.9	522.7	606.0	697.2	786.8	863.2	926.6
130°	331.2	355.6	384.8	420.6	463.0	521.2	594.7	678.4	761.2	834.6	895.8
132.5°	343.3	367.7	396.9	430.4	469.7	521.2	585.6	659.6	737.1	803.7	862.6
135°	358.4	383.9	413.0	444.1	478.9	521.2	574.9	635.1	700.0	760.3	813.9
137.5°	371.8	398.0	424.5	454.3	487.4	522.4	565.3	614.4	666.9	717.0	762.5
140°	380.1	405.6	432.8	461.1	491.2	523.1	560.8	603.1	647.3	690.6	730.2
142.5°	388.4	412.3	438.1	464.8	493.4	523.9	557.0	593.3	630.7	668.1	702.3
145°	400.9	422.4	447.0	470.4	495.9	523.1	551.4	580.5	609.7	638.9	664.3
147.5°	412.1	431.1	452.6	473.8	496.8	520.7	545.5	568.5	592.2	614.6	633.8
150°	419.6	435.6	456.4	476.1	496.8	518.4	541.0	561.8	582.4	600.3	617.3
152.5°	426.4	440.9	460.1	477.6	496.1	515.5	535.7	554.2	572.6	589.0	602.2
155°	434.7	447.9	463.8	478.9	494.0	510.0	526.9	542.9	558.0	571.2	581.5
157.5°	443.4	453.4	467.0	479.8	491.5	504.4	518.6	531.6	544.0	554.2	562.3
160°	447.9	456.4	468.5	479.8	489.3	500.6	511.9	524.1	533.5	542.9	549.5
162.5°	452.4	459.4	470.0	479.1	487.0	496.1	505.9	515.9	524.4	532.3	538.2
165°	457.3	463.0	470.4	478.0	483.6	489.3	496.8	504.4	511.0	516.6	521.2
167.5°	460.7	464.2	470.4	475.7	478.3	482.7	488.0	493.4	497.8	502.1	505.5
170°	463.0	465.7	470.4	474.2	476.1	478.9	482.7	487.4	490.2	493.0	494.9
172.5°	464.4	465.7	469.7	472.7	473.1	474.4	477.4	480.6	483.4	485.5	486.6
175°	465.7	465.7	468.5	470.4	469.5	469.5	470.4	473.3	473.3	475.1	475.1
177.5°	465.9	465.9	467.4	468.2	466.7	466.7	467.4	468.2	468.9	468.9	468.9
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1649.4	1653.4	1649.9	1654.6	1649.9	1653.4	1649.4	1652.8	1658.1	1654.6	1662.8
5°	1520.1	1513.5	1518.0	1515.0	1518.0	1513.5	1520.1	1523.8	1532.7	1535.6	1541.4
7.5°	1400.8	1394.5	1387.3	1383.9	1387.3	1394.5	1400.8	1403.1	1410.5	1421.5	1429.9
10°	1326.2	1318.1	1317.4	1312.2	1317.4	1318.1	1326.2	1334.3	1339.4	1353.4	1362.9
12.5°	1271.5	1264.0	1255.7	1253.5	1255.7	1264.0	1271.5	1278.5	1280.1	1295.8	1302.4
15°	1193.9	1188.1	1182.9	1187.3	1182.9	1188.1	1193.9	1198.3	1206.5	1217.5	1224.8
17.5°	1129.4	1124.5	1123.7	1118.2	1123.7	1124.5	1129.4	1131.9	1145.2	1152.4	1165.0
20°	1088.9	1085.2	1086.7	1077.1	1086.7	1085.2	1088.9	1095.5	1108.7	1112.4	1125.6
22.5°	1056.6	1049.3	1048.5	1046.6	1048.5	1049.3	1056.6	1062.5	1065.3	1076.6	1085.6
25°	1005.9	1002.2	998.5	1002.2	998.5	1002.2	1005.9	1012.5	1015.4	1023.5	1032.3
27.5°	961.6	957.2	956.2	956.6	956.2	957.2	961.6	961.0	968.9	975.4	981.9
30°	934.6	927.3	927.9	927.3	927.9	927.3	934.6	934.6	939.0	944.9	950.7
32.5°	905.2	900.2	899.2	897.9	899.2	900.2	905.2	904.0	909.6	916.6	923.1
35°	861.9	861.9	858.2	858.2	858.2	861.9	861.9	864.0	870.0	870.0	877.2
37.5°	821.1	820.4	818.2	818.5	818.2	820.4	821.1	822.9	824.9	828.0	832.7
40°	790.6	789.9	787.6	783.3	787.6	789.9	790.6	793.5	794.9	798.6	801.6
42.5°	761.2	758.7	757.6	756.2	757.6	758.7	761.2	763.0	763.8	768.6	774.6
45°	714.9	714.9	713.4	712.7	713.4	714.9	714.9	714.9	715.7	721.5	724.4
47.5°	670.0	671.3	674.0	673.6	674.0	671.3	670.0	668.7	669.0	672.0	675.3
50°	642.9	643.7	645.8	646.6	645.8	643.7	642.9	640.0	638.5	638.5	640.6
52.5°	612.9	617.2	620.0	619.5	620.0	617.2	612.9	610.6	607.9	604.4	607.8
55°	570.9	576.0	581.2	581.9	581.2	576.0	570.9	564.3	561.4	555.4	557.7
57.5°	529.3	536.5	542.0	543.7	542.0	536.5	529.3	521.3	511.8	509.1	504.9
60°	501.1	510.7	517.3	520.2	517.3	510.7	501.1	493.7	481.3	473.2	470.2
62.5°	474.0	484.7	491.3	492.0	491.3	484.7	474.0	462.6	450.1	440.8	435.0
65°	429.8	440.8	446.7	451.1	446.7	440.8	429.8	417.4	403.4	390.9	384.3
67.5°	382.2	393.2	399.7	403.2	399.7	393.2	382.2	366.7	354.0	339.6	331.8
70°	347.5	358.5	367.4	370.3	367.4	358.5	347.5	329.1	318.1	304.9	298.3
72.5°	313.4	323.3	330.4	333.8	330.4	323.3	313.4	296.2	283.4	270.2	261.3
75°	254.2	267.4	274.1	277.8	274.1	267.4	254.2	244.7	230.0	216.0	208.7
77.5°	196.0	208.1	212.1	214.0	212.1	208.1	196.0	184.8	173.7	163.5	156.4
80°	157.2	164.6	169.8	170.4	169.8	164.6	157.2	148.5	139.6	130.1	123.5
82.5°	120.8	127.0	128.6	130.4	128.6	127.0	120.8	113.1	105.5	98.3	92.8
85°	66.2	69.1	69.8	69.1	69.8	69.1	66.2	61.0	57.3	53.6	51.5
87.5°	25.9	25.3	25.4	26.7	25.4	25.3	25.9	24.7	24.9	23.6	22.1
90°	20.7	20.7	21.7	21.7	21.7	20.7	20.7	20.7	18.9	17.9	17.0
92.5°	65.1	62.9	61.5	60.0	61.5	62.9	65.1	77.2	91.0	121.0	166.7
95°	271.9	243.7	236.2	221.1	236.2	243.7	271.9	338.7	417.7	533.5	676.6
97.5°	626.5	573.7	546.5	534.4	546.5	573.7	626.5	684.6	794.5	907.2	1007.6
100°	851.5	783.8	748.9	734.0	748.9	783.8	851.5	916.4	1014.3	1111.3	1157.3
102.5°	1054.0	1005.9	968.0	956.7	968.0	1005.9	1054.0	1123.4	1189.7	1236.1	1207.8
105°	1307.9	1276.9	1258.0	1246.7	1258.0	1276.9	1307.9	1337.9	1348.3	1306.9	1178.0
107.5°	1414.6	1414.4	1408.2	1400.6	1408.2	1414.4	1414.6	1399.3	1350.2	1243.9	1071.9
110°	1427.4	1445.2	1451.8	1451.8	1451.8	1445.2	1427.4	1385.1	1305.0	1172.3	993.6



TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1391.9	1422.7	1439.1	1445.8	1439.1	1422.7	1391.9	1330.1	1235.8	1101.6	931.9
115°	1305.0	1350.2	1376.6	1388.8	1376.6	1350.2	1305.0	1231.6	1129.1	1000.2	854.3
117.5°	1208.5	1255.2	1281.3	1288.8	1281.3	1255.2	1208.5	1135.1	1041.0	930.0	804.3
120°	1146.0	1191.2	1216.6	1224.2	1216.6	1191.2	1146.0	1076.4	993.6	890.1	777.2
122.5°	1093.3	1134.7	1160.2	1167.0	1160.2	1134.7	1093.3	1031.2	953.7	861.5	756.9
125°	1025.6	1064.1	1084.9	1094.3	1084.9	1064.1	1025.6	972.9	905.1	823.3	727.4
127.5°	974.4	1008.4	1028.0	1032.2	1028.0	1008.4	974.4	926.6	863.2	786.8	697.2
130°	942.8	973.8	992.7	998.3	992.7	973.8	942.8	895.8	834.6	761.2	678.4
132.5°	909.6	940.8	958.0	964.4	958.0	940.8	909.6	862.6	803.7	737.1	659.6
135°	855.3	886.4	903.2	908.9	903.2	886.4	855.3	813.9	760.3	700.0	635.1
137.5°	799.6	827.8	843.5	849.6	843.5	827.8	799.6	762.5	717.0	666.9	614.4
140°	765.0	789.5	803.5	808.2	803.5	789.5	765.0	730.2	690.6	647.3	603.1
142.5°	731.9	752.5	765.9	769.9	765.9	752.5	731.9	702.3	668.1	630.7	593.3
145°	686.8	702.9	713.2	717.0	713.2	702.9	686.8	664.3	638.9	609.7	580.5
147.5°	651.7	664.5	670.5	672.2	670.5	664.5	651.7	633.8	614.6	592.2	568.5
150°	631.3	642.6	646.4	647.3	646.4	642.6	631.3	617.3	600.3	582.4	561.8
152.5°	614.1	623.1	626.8	627.7	626.8	623.1	614.1	602.2	589.0	572.6	554.2
155°	590.9	597.5	600.3	601.2	600.3	597.5	590.9	581.5	571.2	558.0	542.9
157.5°	569.7	575.0	577.7	577.5	577.7	575.0	569.7	562.3	554.2	544.0	531.6
160°	556.1	560.8	562.7	561.8	562.7	560.8	556.1	549.5	542.9	533.5	524.1
162.5°	543.3	547.2	547.6	547.4	547.6	547.2	543.3	538.2	532.3	524.4	515.9
165°	525.0	526.9	526.9	526.9	526.9	526.9	525.0	521.2	516.6	511.0	504.4
167.5°	507.4	509.1	508.3	508.1	508.3	509.1	507.4	505.5	502.1	497.8	493.4
170°	496.8	497.8	497.8	496.8	497.8	497.8	496.8	494.9	493.0	490.2	487.4
172.5°	487.0	488.7	487.2	486.3	487.2	488.7	487.0	486.6	485.5	483.4	480.6
175°	475.1	476.1	474.2	473.3	474.2	476.1	475.1	475.1	475.1	473.3	473.3
177.5°	468.2	468.9	466.7	466.7	466.7	468.9	468.2	468.9	468.9	468.9	468.2
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1655.2	1662.3	1671.0	1677.5	1689.3	1694.6	1701.0	1706.4	1715.7	1724.6	1735.1
5°	1543.7	1556.1	1573.1	1591.4	1612.8	1627.4	1648.0	1660.5	1685.5	1708.3	1730.3
7.5°	1442.6	1457.8	1481.8	1505.3	1533.2	1558.5	1584.2	1612.8	1644.6	1682.2	1713.4
10°	1373.2	1393.8	1419.5	1448.9	1482.7	1512.1	1546.6	1577.4	1616.4	1660.5	1701.7
12.5°	1318.0	1335.6	1364.2	1392.5	1428.6	1464.4	1500.2	1541.1	1586.4	1635.2	1687.0
15°	1241.7	1256.4	1279.9	1318.8	1355.6	1390.8	1444.4	1482.7	1540.0	1594.4	1656.8
17.5°	1176.6	1194.9	1214.7	1248.0	1286.1	1330.1	1378.1	1426.0	1481.2	1550.1	1620.5
20°	1136.6	1151.3	1174.1	1199.9	1240.2	1284.3	1329.8	1378.4	1446.0	1517.2	1592.9
22.5°	1093.2	1109.0	1134.7	1162.8	1196.7	1239.1	1289.3	1342.5	1413.1	1483.1	1565.3
25°	1041.9	1052.9	1076.4	1101.4	1135.2	1171.2	1223.3	1282.1	1351.9	1432.0	1515.8
27.5°	993.5	1003.2	1024.6	1046.4	1076.9	1119.7	1166.3	1225.7	1291.5	1372.6	1465.5
30°	958.8	969.1	988.3	1011.7	1041.1	1078.6	1126.3	1182.2	1252.7	1332.1	1429.1
32.5°	928.9	937.9	952.3	975.9	1004.7	1040.9	1085.2	1142.2	1212.8	1293.3	1388.5
35°	882.4	892.7	903.7	922.1	947.1	982.3	1030.9	1084.5	1152.1	1229.9	1317.4
37.5°	836.3	847.4	857.2	873.7	896.5	927.7	969.6	1025.4	1086.6	1161.6	1245.5
40°	807.5	816.2	824.3	842.0	864.8	894.2	933.1	983.1	1047.7	1117.6	1187.3
42.5°	778.6	786.9	793.8	809.1	830.1	858.3	895.5	944.2	1004.3	1069.3	1130.9
45°	733.3	738.4	746.5	759.7	776.7	802.3	838.3	881.7	932.4	994.1	1040.4
47.5°	684.2	692.3	698.9	710.5	724.3	749.6	784.1	821.0	867.0	912.9	945.5
50°	646.6	654.7	664.2	675.2	688.4	712.0	743.6	781.0	819.9	855.3	883.2
52.5°	611.3	618.8	629.0	639.3	655.5	675.5	702.4	735.7	774.1	799.4	822.7
55°	559.1	562.8	574.6	584.8	600.3	615.0	642.2	671.6	695.0	714.2	733.3
57.5°	505.8	510.8	517.6	526.8	542.1	559.3	578.3	604.4	618.2	628.0	642.9
60°	471.7	473.2	477.6	488.6	500.4	515.8	537.8	556.2	566.5	574.6	587.0
62.5°	434.0	434.4	441.7	449.8	458.6	475.2	493.1	508.0	516.5	520.5	532.3
65°	381.4	379.8	384.3	390.9	401.1	412.2	427.6	440.8	440.1	444.5	451.9
67.5°	327.4	325.9	325.9	332.2	340.6	350.4	361.1	368.7	368.8	374.8	378.4
70°	291.0	286.5	289.5	294.6	298.3	306.4	318.1	321.1	321.8	324.7	328.4
72.5°	253.4	251.8	254.2	256.5	258.9	265.2	275.2	277.0	277.1	278.9	284.9
75°	201.3	199.8	198.4	200.6	203.5	207.9	211.6	214.5	213.8	214.5	219.0
77.5°	150.9	146.8	146.1	147.2	148.0	150.6	154.5	154.1	154.9	154.8	159.8
80°	119.8	113.9	113.1	113.1	113.9	115.4	116.8	118.3	116.1	118.3	119.8
82.5°	88.0	84.5	84.4	83.8	83.9	84.2	85.1	86.0	85.5	86.5	87.5
85°	48.4	47.0	44.9	46.3	45.5	43.4	44.9	42.6	41.8	42.6	43.4
87.5°	19.7	20.1	18.5	18.3	17.3	17.7	16.2	15.3	14.2	14.5	16.0
90°	16.0	15.1	13.2	12.3	10.4	9.4	7.5	5.7	3.8	1.9	0.9
92.5°	245.5	303.3	308.2	214.7	128.6	77.2	49.7	33.5	21.9	13.9	11.5
95°	815.8	833.7	680.3	420.6	213.6	112.9	70.6	49.9	39.5	32.0	31.0
97.5°	1032.2	890.3	607.5	335.7	184.1	117.4	86.9	68.3	58.0	52.7	51.6
100°	1084.9	849.6	542.0	304.8	182.6	128.0	99.7	81.8	71.5	67.8	65.9
102.5°	1053.3	778.2	492.3	292.1	189.4	140.7	113.3	96.9	85.8	82.8	81.7
105°	952.3	682.1	444.1	287.0	203.2	161.8	135.5	120.5	111.0	106.3	106.3
107.5°	849.0	616.1	423.8	295.7	223.9	183.9	160.1	144.5	136.8	132.3	130.4
110°	790.3	585.2	417.7	303.9	239.0	200.4	176.0	161.8	153.4	149.6	147.7



TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	746.7	567.2	417.7	314.4	253.3	216.2	192.5	178.4	169.9	166.9	165.0
115°	699.1	547.6	420.6	330.3	275.7	240.9	217.4	203.2	194.7	191.9	190.1
117.5°	670.7	538.0	426.8	348.4	298.7	265.7	243.0	227.0	218.5	215.5	212.6
120°	654.9	533.5	432.8	360.3	315.2	282.3	258.7	242.8	234.3	230.5	227.7
122.5°	641.3	529.7	438.1	373.9	331.0	298.1	274.6	257.0	248.5	245.5	243.6
125°	622.9	525.0	447.0	392.4	351.9	320.8	296.4	278.5	270.0	265.3	263.4
127.5°	606.0	522.7	456.9	409.3	372.0	342.1	317.6	298.7	287.9	281.9	279.1
130°	594.7	521.2	463.0	420.6	384.8	355.6	331.2	311.4	299.3	291.7	288.9
132.5°	585.6	521.2	469.7	430.4	396.9	367.7	343.3	322.7	309.0	299.9	296.4
135°	574.9	521.2	478.9	444.1	413.0	383.9	358.4	338.7	323.7	312.4	308.6
137.5°	565.3	522.4	487.4	454.3	424.5	398.0	371.8	352.5	337.4	326.9	324.0
140°	560.8	523.1	491.2	461.1	432.8	405.6	380.1	362.2	347.2	335.9	333.1
142.5°	557.0	523.9	493.4	464.8	438.1	412.3	388.4	371.3	356.2	345.7	343.7
145°	551.4	523.1	495.9	470.4	447.0	422.4	400.9	383.9	370.7	361.3	359.4
147.5°	545.5	520.7	496.8	473.8	452.6	431.1	412.1	397.5	385.2	377.1	376.0
150°	541.0	518.4	496.8	476.1	456.4	435.6	419.6	406.5	394.3	387.7	385.8
152.5°	535.7	515.5	496.1	477.6	460.1	440.9	426.4	414.0	403.3	397.5	396.3
155°	526.9	510.0	494.0	478.9	463.8	447.9	434.7	425.3	415.8	410.2	410.2
157.5°	518.6	504.4	491.5	479.8	467.0	453.4	443.4	435.1	427.0	422.4	422.6
160°	511.9	500.6	489.3	479.8	468.5	456.4	447.9	440.4	433.8	430.0	430.9
162.5°	505.9	496.1	487.0	479.1	470.0	459.4	452.4	446.4	440.5	436.8	437.7
165°	496.8	489.3	483.6	478.0	470.4	463.0	457.3	453.6	448.8	446.0	447.9
167.5°	488.0	482.7	478.3	475.7	470.4	464.2	460.7	458.1	455.4	453.7	454.7
170°	482.7	478.9	476.1	474.2	470.4	465.7	463.0	461.1	459.2	458.3	459.2
172.5°	477.4	474.4	473.1	472.7	469.7	465.7	464.4	463.3	461.5	460.5	462.2
175°	470.4	469.5	469.5	470.4	468.5	465.7	465.7	465.7	464.8	463.8	465.7
177.5°	467.4	466.7	466.7	468.2	467.4	465.9	465.9	466.7	465.9	465.9	467.4
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333324-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1740.4	1748.7	1754.0	1764.0	1772.2	1776.9	1781.0	1784.5	1788.7	1792.2	1802.1
5°	1751.6	1770.7	1786.9	1811.8	1834.7	1852.3	1871.3	1888.3	1902.2	1922.0	1937.5
7.5°	1746.7	1780.7	1816.3	1854.9	1894.4	1931.2	1965.0	1996.6	2025.2	2059.9	2090.3
10°	1742.0	1788.4	1833.9	1886.0	1939.7	1985.3	2027.9	2071.2	2102.8	2146.9	2184.3
12.5°	1738.5	1793.0	1848.0	1910.7	1969.6	2034.0	2090.7	2122.3	2170.4	2205.6	2250.2
15°	1723.7	1795.7	1871.3	1941.9	2025.6	2085.2	2135.1	2196.9	2241.6	2286.5	2335.0
17.5°	1697.0	1778.7	1863.3	1955.7	2036.1	2100.0	2164.4	2223.9	2277.4	2337.5	2397.8
20°	1684.7	1766.3	1863.3	1958.0	2036.6	2103.6	2169.6	2235.1	2293.9	2371.0	2440.8
22.5°	1658.9	1757.5	1846.8	1939.3	2020.2	2092.9	2167.9	2242.1	2320.3	2407.4	2494.8
25°	1612.8	1712.7	1807.4	1898.6	1980.1	2071.2	2151.3	2250.5	2350.4	2465.8	2574.5
27.5°	1564.8	1660.5	1747.4	1835.3	1930.4	2033.6	2137.5	2250.0	2380.9	2526.5	2679.8
30°	1526.1	1616.4	1700.9	1791.3	1890.5	2006.6	2120.4	2254.2	2405.6	2569.4	2751.6
32.5°	1480.7	1564.1	1646.2	1741.9	1849.9	1972.5	2105.2	2251.8	2433.7	2619.9	2807.5
35°	1403.4	1473.1	1557.6	1659.7	1781.7	1922.0	2075.7	2249.0	2457.7	2671.4	2829.4
37.5°	1311.5	1376.5	1465.5	1577.4	1705.3	1856.0	2038.2	2243.9	2465.5	2635.9	2686.9
40°	1249.8	1310.0	1402.6	1518.7	1649.4	1808.9	2008.7	2226.3	2440.8	2549.5	2507.6
42.5°	1183.9	1247.2	1337.4	1452.3	1593.1	1766.6	1971.7	2189.2	2369.1	2410.2	2265.5
45°	1080.1	1145.5	1234.4	1350.5	1501.8	1689.9	1903.7	2101.3	2204.9	2130.7	1906.7
47.5°	983.5	1044.8	1127.2	1247.0	1403.2	1597.7	1803.6	1961.3	1969.5	1792.4	1553.1
50°	917.7	974.2	1057.2	1177.0	1332.1	1529.0	1714.9	1839.0	1783.2	1582.6	1352.6
52.5°	853.0	908.4	990.2	1108.9	1262.2	1442.6	1615.5	1702.7	1597.4	1391.6	1195.1
55°	759.7	808.2	888.3	997.8	1143.2	1310.8	1457.7	1487.8	1351.1	1148.4	988.9
57.5°	668.6	713.9	786.7	887.6	1020.6	1168.9	1283.8	1277.4	1132.9	958.9	832.5
60°	606.9	651.0	715.7	814.1	935.3	1063.2	1161.6	1138.1	994.9	845.0	738.4
62.5°	551.7	591.0	652.1	738.3	848.9	967.3	1048.2	1013.5	873.2	742.1	657.9
65°	470.2	503.3	555.4	629.0	720.8	818.5	880.9	836.1	716.3	614.3	546.7
67.5°	392.5	419.0	462.7	521.3	599.6	678.2	716.2	671.1	575.3	500.8	450.7
70°	343.1	366.6	400.4	452.6	520.9	587.0	615.7	575.3	493.0	429.0	393.0
72.5°	293.8	313.1	342.8	389.7	444.5	501.8	527.0	488.3	420.8	366.7	333.1
75°	227.1	240.3	260.8	293.1	336.5	382.1	396.1	362.2	318.9	278.4	256.5
77.5°	162.5	173.7	189.3	209.7	240.4	269.4	281.5	262.0	228.5	202.9	184.8
80°	124.9	130.8	144.0	160.9	185.1	203.5	211.6	199.2	175.6	156.5	142.5
82.5°	89.1	94.9	102.8	116.8	132.2	144.8	153.4	145.1	128.0	113.0	104.9
85°	43.4	47.0	51.5	57.3	69.1	76.4	75.7	70.5	63.9	58.1	53.6
87.5°	15.6	16.6	18.8	22.1	24.2	26.8	28.3	27.3	25.4	23.8	22.1
90°	1.9	3.8	5.7	7.5	9.4	10.4	12.3	13.2	15.1	16.0	17.0
92.5°	13.9	21.9	33.5	49.7	77.2	128.6	214.7	308.2	303.3	245.5	166.7
95°	32.0	39.5	49.9	70.6	112.9	213.6	420.6	680.3	833.7	815.8	676.6
97.5°	52.7	58.0	68.3	86.9	117.4	184.1	335.7	607.5	890.3	1032.2	1007.6
100°	67.8	71.5	81.8	99.7	128.0	182.6	304.8	542.0	849.6	1084.9	1157.3
102.5°	82.8	85.8	96.9	113.3	140.7	189.4	292.1	492.3	778.2	1053.3	1207.8
105°	106.3	111.0	120.5	135.5	161.8	203.2	287.0	444.1	682.1	952.3	1178.0
107.5°	132.3	136.8	144.5	160.1	183.9	223.9	295.7	423.8	616.1	849.0	1071.9
110°	149.6	153.4	161.8	176.0	200.4	239.0	303.9	417.7	585.2	790.3	993.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	166.9	169.9	178.4	192.5	216.2	253.3	314.4	417.7	567.2	746.7	931.9
115°	191.9	194.7	203.2	217.4	240.9	275.7	330.3	420.6	547.6	699.1	854.3
117.5°	215.5	218.5	227.0	243.0	265.7	298.7	348.4	426.8	538.0	670.7	804.3
120°	230.5	234.3	242.8	258.7	282.3	315.2	360.3	432.8	533.5	654.9	777.2
122.5°	245.5	248.5	257.0	274.6	298.1	331.0	373.9	438.1	529.7	641.3	756.9
125°	265.3	270.0	278.5	296.4	320.8	351.9	392.4	447.0	525.0	622.9	727.4
127.5°	281.9	287.9	298.7	317.6	342.1	372.0	409.3	456.9	522.7	606.0	697.2
130°	291.7	299.3	311.4	331.2	355.6	384.8	420.6	463.0	521.2	594.7	678.4
132.5°	299.9	309.0	322.7	343.3	367.7	396.9	430.4	469.7	521.2	585.6	659.6
135°	312.4	323.7	338.7	358.4	383.9	413.0	444.1	478.9	521.2	574.9	635.1
137.5°	326.9	337.4	352.5	371.8	398.0	424.5	454.3	487.4	522.4	565.3	614.4
140°	335.9	347.2	362.2	380.1	405.6	432.8	461.1	491.2	523.1	560.8	603.1
142.5°	345.7	356.2	371.3	388.4	412.3	438.1	464.8	493.4	523.9	557.0	593.3
145°	361.3	370.7	383.9	400.9	422.4	447.0	470.4	495.9	523.1	551.4	580.5
147.5°	377.1	385.2	397.5	412.1	431.1	452.6	473.8	496.8	520.7	545.5	568.5
150°	387.7	394.3	406.5	419.6	435.6	456.4	476.1	496.8	518.4	541.0	561.8
152.5°	397.5	403.3	414.0	426.4	440.9	460.1	477.6	496.1	515.5	535.7	554.2
155°	410.2	415.8	425.3	434.7	447.9	463.8	478.9	494.0	510.0	526.9	542.9
157.5°	422.4	427.0	435.1	443.4	453.4	467.0	479.8	491.5	504.4	518.6	531.6
160°	430.0	433.8	440.4	447.9	456.4	468.5	479.8	489.3	500.6	511.9	524.1
162.5°	436.8	440.5	446.4	452.4	459.4	470.0	479.1	487.0	496.1	505.9	515.9
165°	446.0	448.8	453.6	457.3	463.0	470.4	478.0	483.6	489.3	496.8	504.4
167.5°	453.7	455.4	458.1	460.7	464.2	470.4	475.7	478.3	482.7	488.0	493.4
170°	458.3	459.2	461.1	463.0	465.7	470.4	474.2	476.1	478.9	482.7	487.4
172.5°	460.5	461.5	463.3	464.4	465.7	469.7	472.7	473.1	474.4	477.4	480.6
175°	463.8	464.8	465.7	465.7	465.7	468.5	470.4	469.5	469.5	470.4	473.3
177.5°	465.9	465.9	466.7	465.9	465.9	467.4	468.2	466.7	466.7	467.4	468.2
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1810.3	1815.1	1825.0	1821.6	1826.3	1828.6	1831.0
5°	1956.6	1980.1	1990.4	1989.0	2004.3	2000.6	1997.0
7.5°	2121.8	2146.5	2160.3	2177.5	2187.5	2188.2	2196.9
10°	2215.3	2247.6	2260.8	2279.2	2290.9	2297.5	2296.8
12.5°	2286.9	2312.2	2341.8	2350.9	2366.7	2375.1	2372.0
15°	2373.2	2413.6	2444.5	2459.8	2479.7	2485.6	2493.7
17.5°	2450.2	2504.4	2540.4	2588.3	2606.4	2617.4	2610.9
20°	2508.4	2579.6	2615.6	2673.0	2704.5	2721.5	2715.6
22.5°	2577.2	2654.3	2720.8	2770.5	2818.6	2841.4	2846.1
25°	2695.0	2800.8	2898.5	2963.9	3023.4	3037.3	3068.3
27.5°	2826.7	2951.4	3055.9	3124.7	3166.1	3181.6	3191.4
30°	2909.5	3033.7	3112.4	3156.4	3169.7	3168.2	3166.7
32.5°	2950.1	3027.8	3043.0	3030.7	3000.4	2974.8	2948.1
35°	2892.7	2834.6	2747.9	2636.2	2553.9	2470.9	2462.9
37.5°	2601.5	2415.9	2271.6	2110.4	2017.4	1960.0	1920.3
40°	2327.6	2116.8	1941.9	1806.0	1711.2	1673.8	1637.0
42.5°	2030.2	1828.7	1673.9	1560.3	1489.0	1447.5	1418.3
45°	1649.4	1471.7	1350.5	1268.2	1211.5	1179.2	1160.8
47.5°	1351.6	1220.1	1117.1	1057.7	1018.6	993.5	993.6
50°	1191.8	1066.1	997.8	950.7	916.9	897.1	900.8
52.5°	1050.1	956.2	897.9	858.5	833.5	821.2	820.9
55°	878.0	810.4	772.2	743.6	726.6	712.7	715.7
57.5°	751.0	694.0	668.5	644.7	632.9	627.4	619.3
60°	672.3	628.2	606.1	587.0	575.3	570.9	562.8
62.5°	602.4	567.7	546.2	530.7	520.0	518.6	512.3
65°	506.2	479.8	460.7	453.4	442.3	439.4	439.4
67.5°	417.4	398.4	383.5	376.7	371.9	372.7	369.1
70°	361.5	346.1	336.5	329.1	325.5	326.2	323.3
72.5°	316.2	299.1	290.7	286.3	281.4	283.3	282.1
75°	239.5	230.7	226.3	221.9	219.0	217.4	216.0
77.5°	175.9	168.1	164.8	162.2	162.7	159.1	161.9
80°	135.9	129.3	127.1	123.5	122.7	122.7	122.0
82.5°	99.4	95.8	94.2	91.1	89.8	91.0	89.1
85°	51.5	48.4	47.8	47.8	46.3	44.9	48.4
87.5°	22.3	20.3	20.6	20.0	20.0	19.6	18.5
90°	17.9	18.9	20.7	20.7	20.7	21.7	21.7
92.5°	121.0	91.0	77.2	65.1	62.9	61.5	60.0
95°	533.5	417.7	338.7	271.9	243.7	236.2	221.1
97.5°	907.2	794.5	684.6	626.5	573.7	546.5	534.4
100°	1111.3	1014.3	916.4	851.5	783.8	748.9	734.0
102.5°	1236.1	1189.7	1123.4	1054.0	1005.9	968.0	956.7
105°	1306.9	1348.3	1337.9	1307.9	1276.9	1258.0	1246.7
107.5°	1243.9	1350.2	1399.3	1414.6	1414.4	1408.2	1400.6
110°	1172.3	1305.0	1385.1	1427.4	1445.2	1451.8	1451.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1101.6	1235.8	1330.1	1391.9	1422.7	1439.1	1445.8
115°	1000.2	1129.1	1231.6	1305.0	1350.2	1376.6	1388.8
117.5°	930.0	1041.0	1135.1	1208.5	1255.2	1281.3	1288.8
120°	890.1	993.6	1076.4	1146.0	1191.2	1216.6	1224.2
122.5°	861.5	953.7	1031.2	1093.3	1134.7	1160.2	1167.0
125°	823.3	905.1	972.9	1025.6	1064.1	1084.9	1094.3
127.5°	786.8	863.2	926.6	974.4	1008.4	1028.0	1032.2
130°	761.2	834.6	895.8	942.8	973.8	992.7	998.3
132.5°	737.1	803.7	862.6	909.6	940.8	958.0	964.4
135°	700.0	760.3	813.9	855.3	886.4	903.2	908.9
137.5°	666.9	717.0	762.5	799.6	827.8	843.5	849.6
140°	647.3	690.6	730.2	765.0	789.5	803.5	808.2
142.5°	630.7	668.1	702.3	731.9	752.5	765.9	769.9
145°	609.7	638.9	664.3	686.8	702.9	713.2	717.0
147.5°	592.2	614.6	633.8	651.7	664.5	670.5	672.2
150°	582.4	600.3	617.3	631.3	642.6	646.4	647.3
152.5°	572.6	589.0	602.2	614.1	623.1	626.8	627.7
155°	558.0	571.2	581.5	590.9	597.5	600.3	601.2
157.5°	544.0	554.2	562.3	569.7	575.0	577.7	577.5
160°	533.5	542.9	549.5	556.1	560.8	562.7	561.8
162.5°	524.4	532.3	538.2	543.3	547.2	547.6	547.4
165°	511.0	516.6	521.2	525.0	526.9	526.9	526.9
167.5°	497.8	502.1	505.5	507.4	509.1	508.3	508.1
170°	490.2	493.0	494.9	496.8	497.8	497.8	496.8
172.5°	483.4	485.5	486.6	487.0	488.7	487.2	486.3
175°	473.3	475.1	475.1	475.1	476.1	474.2	473.3
177.5°	468.9	468.9	468.9	468.2	468.9	466.7	466.7
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7

(END OF REPORT)