

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: P331755-840

Luminaire Tested: **S122RDIP-S1005D925U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331755-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S1005D925U840-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7500.8 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

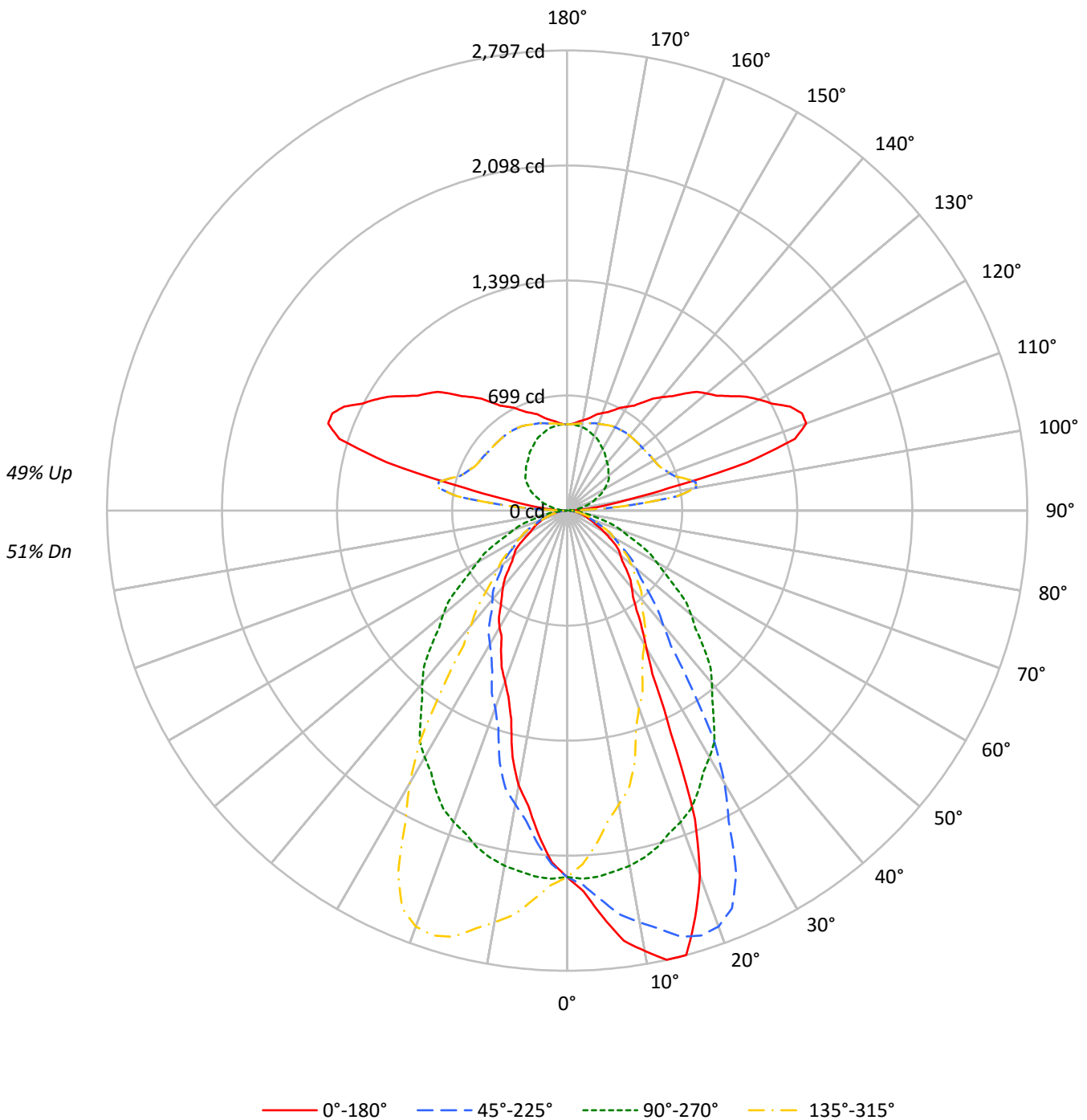
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				51
1	99	95	91	88	91	88	85	82	75	73	71	63	61	60	52	51	50	45				45
2	91	84	78	73	84	78	73	69	67	63	60	56	54	51	47	45	43	39				39
3	83	74	68	62	77	69	63	58	60	55	51	51	47	45	42	40	38	34				34
4	77	67	59	53	71	62	55	50	54	49	45	46	42	39	38	36	34	30				30
5	71	60	52	46	65	56	49	44	48	43	39	41	38	34	35	32	30	27				27
6	66	54	46	41	61	51	44	39	44	39	35	38	34	31	32	29	27	24				24
7	61	49	42	36	56	46	39	34	40	35	31	35	31	28	30	27	24	22				22
8	57	45	37	32	53	42	36	31	37	32	28	32	28	25	28	24	22	20				20
9	53	41	34	29	49	39	32	28	34	29	25	30	26	23	26	22	20	18				18
10	50	38	31	26	46	36	30	25	32	27	23	28	24	21	24	21	19	17				17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35960	35960	35960	35960
5°	40161	36185	32083	36185
10°	44558	35931	27811	35931
15°	46748	35405	21912	35405
20°	40527	34625	18962	34625
25°	26580	33556	16930	33556
30°	17890	32261	15321	32261
35°	14491	30628	13819	30628
40°	12886	28854	12787	28854
45°	11663	26772	11415	26772
50°	10613	24707	10575	24707
55°	9979	22415	9847	22415
60°	8344	20315	8247	20315
65°	7037	18449	7981	18449
70°	6500	16475	7530	16475
75°	6089	14336	6949	14336
80°	5616	11799	6192	11799
85°	5169	9318	5446	9318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	2.8
10°-20°	588.3	7.8
20°-30°	758.1	10.1
30°-40°	720.4	9.6
40°-50°	617.1	8.2
50°-60°	470.0	6.3
60°-70°	297.1	4.0
70°-80°	148.4	2.0
80°-90°	43.3	0.6
90°-100°	209.6	2.8
100°-110°	711.1	9.5
110°-120°	755.5	10.1
120°-130°	621.9	8.3
130°-140°	499.4	6.7
140°-150°	377.4	5.0
150°-160°	265.2	3.5
160°-170°	156.1	2.1
170°-180°	50.8	0.7
0°-30°	1557.5	20.8
0°-40°	2277.9	30.4
0°-60°	3365.0	44.9
0°-90°	3853.8	51.4
90°-120°	1676.1	22.3
90°-150°	3174.8	42.3
90°-180°	3647.0	48.6
0°-180°	7500.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2227	2227	2227	2227	2227	
5°	2478	2233	1980	2233	2478	245
15°	2797	2118	1311	2118	2797	754
25°	1492	1884	950	1884	1492	708
35°	735	1554	701	1554	735	470
45°	511	1172	500	1172	511	395
55°	354	796	350	796	354	311
65°	184	483	209	483	184	187
75°	98	230	111	230	98	103
85°	28	50	29	50	28	31
90°	33	1	33	1	33	19
95°	115	35	115	35	115	149
105°	1136	123	1136	123	1136	1099
115°	1495	217	1495	217	1495	1464
125°	1212	302	1212	302	1212	1096
135°	1005	355	1005	355	1005	781
145°	802	405	802	405	802	510
155°	674	461	674	461	674	315
165°	592	502	592	502	592	169
175°	533	523	533	523	533	52
180°	524	524	524	524	524	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2317.5	2319.5	2321.3	2316.9	2316.9	2313.2	2305.2	2299.0	2281.7	2279.2	2279.2
5°	2477.9	2476.4	2479.4	2469.4	2455.5	2452.4	2437.7	2418.3	2398.2	2375.8	2371.2
7.5°	2637.4	2635.0	2628.8	2627.2	2616.5	2593.0	2569.4	2544.2	2510.7	2478.1	2461.6
10°	2717.8	2743.4	2727.8	2700.8	2706.2	2669.9	2650.5	2617.3	2589.4	2540.6	2529.8
12.5°	2797.0	2807.1	2802.2	2786.8	2779.9	2754.6	2728.5	2699.6	2648.2	2604.3	2566.3
15°	2796.7	2811.5	2815.3	2810.7	2814.6	2813.0	2799.0	2775.1	2730.2	2682.2	2640.4
17.5°	2590.3	2600.5	2625.9	2643.0	2664.7	2710.6	2733.1	2742.0	2735.3	2708.0	2678.5
20°	2358.7	2341.7	2412.9	2449.3	2480.2	2557.6	2624.1	2649.7	2690.7	2690.0	2682.2
22.5°	2030.6	2034.7	2102.1	2145.4	2235.7	2313.1	2388.9	2485.1	2564.5	2616.9	2647.6
25°	1492.0	1521.5	1588.7	1647.6	1748.2	1892.1	2022.9	2174.5	2317.7	2430.7	2538.3
27.5°	1120.5	1122.8	1176.1	1230.4	1290.2	1408.2	1572.8	1753.9	1958.0	2126.5	2320.2
30°	959.6	954.9	977.3	1010.7	1061.8	1153.1	1276.9	1454.9	1658.4	1912.2	2138.2
32.5°	845.7	846.0	862.8	887.5	929.9	991.5	1076.3	1220.8	1413.2	1662.7	1927.7
35°	735.2	734.4	746.8	764.6	782.3	821.8	879.9	955.7	1088.0	1321.0	1591.9
37.5°	655.9	659.3	665.4	676.5	696.2	718.1	753.0	803.9	898.2	1035.9	1263.5
40°	611.4	612.9	621.4	630.7	642.3	659.3	687.9	729.0	797.9	907.8	1074.1
42.5°	570.5	572.1	578.0	586.7	595.9	612.9	636.6	672.1	727.9	813.6	950.9
45°	510.8	510.8	516.1	520.1	530.1	545.5	564.9	594.3	633.0	696.5	787.8
47.5°	454.7	454.8	458.5	465.1	471.4	483.5	502.5	526.5	554.7	603.8	681.8
50°	422.5	423.3	425.7	431.0	434.9	445.8	460.5	481.3	510.8	548.7	613.7
52.5°	396.6	396.1	399.0	401.3	403.9	411.7	422.7	441.1	467.4	500.4	554.2
55°	354.5	351.3	356.0	359.8	362.1	365.3	371.4	383.0	405.5	433.3	473.6
57.5°	301.8	300.5	303.9	307.4	314.7	323.1	328.3	335.7	347.3	367.3	407.2
60°	258.4	258.4	265.4	267.7	276.3	287.1	297.9	304.2	315.8	328.9	358.3
62.5°	220.0	220.8	224.0	226.3	231.1	244.4	259.5	273.2	284.2	296.7	316.2
65°	184.2	185.7	185.7	187.2	190.4	193.5	199.7	210.5	229.8	247.6	262.4
67.5°	156.3	156.8	157.2	158.8	159.6	163.0	165.4	170.3	174.7	191.6	209.8
70°	137.7	140.1	139.3	140.9	141.6	143.2	146.2	148.6	155.5	159.5	170.3
72.5°	120.4	122.1	122.0	122.9	124.9	125.2	127.6	130.0	134.5	137.7	143.6
75°	97.6	96.7	97.6	99.1	99.9	100.6	100.6	103.7	106.0	109.1	113.0
77.5°	75.2	76.0	75.8	76.0	76.1	77.6	77.4	78.8	81.1	82.6	84.5
80°	60.4	61.1	60.4	61.1	61.9	62.7	61.9	62.7	65.0	66.6	66.6
82.5°	46.8	46.9	47.4	47.6	47.7	47.9	48.9	49.1	50.8	50.5	51.1
85°	27.9	27.1	27.1	27.1	27.9	28.7	27.9	27.9	28.7	28.7	28.7
87.5°	16.6	17.2	17.2	17.2	17.2	17.0	16.6	17.6	17.2	18.0	17.2
90°	33.2	33.2	33.2	33.2	33.2	32.2	30.2	32.2	33.2	34.2	33.2
92.5°	55.8	57.5	56.7	59.9	60.7	67.0	75.4	87.9	110.7	131.0	129.2
95°	114.9	113.9	116.9	125.0	138.0	160.3	202.6	264.1	345.7	395.1	349.7
97.5°	226.2	234.6	249.3	274.2	322.3	395.1	504.1	616.2	707.5	674.5	508.0
100°	360.8	379.0	408.2	451.5	535.2	657.1	795.2	920.2	941.4	796.2	548.3
102.5°	635.0	659.5	696.0	770.0	860.9	990.2	1091.2	1119.3	1028.4	800.2	533.0
105°	1135.9	1149.9	1193.4	1255.8	1318.3	1351.6	1338.5	1224.6	1014.9	746.8	502.9
107.5°	1451.0	1469.7	1478.3	1481.8	1473.9	1425.1	1320.3	1148.8	926.5	689.6	488.0
110°	1546.1	1547.1	1538.0	1518.8	1475.5	1392.9	1263.8	1083.5	870.8	662.2	484.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1544.5	1539.0	1521.9	1489.9	1429.6	1334.8	1197.0	1023.8	832.1	644.4	485.5
115°	1494.7	1485.6	1459.4	1413.0	1341.5	1237.7	1105.6	950.4	784.2	624.9	489.8
117.5°	1405.7	1398.2	1370.5	1321.5	1248.6	1151.1	1031.5	895.1	753.9	615.4	497.1
120°	1348.6	1338.5	1309.2	1261.8	1191.3	1099.5	992.8	867.8	737.8	609.8	501.9
122.5°	1288.9	1280.4	1254.4	1207.8	1144.6	1061.7	960.5	846.0	724.1	606.5	507.6
125°	1212.4	1204.4	1179.2	1140.9	1082.5	1006.8	918.2	814.4	704.5	600.7	516.0
127.5°	1145.6	1139.1	1117.3	1081.5	1030.5	960.7	877.1	783.2	686.4	597.2	524.7
130°	1107.6	1099.5	1079.4	1045.2	995.8	929.3	849.6	763.0	674.3	595.6	531.2
132.5°	1068.1	1060.9	1042.4	1008.0	959.5	897.0	823.8	743.6	664.6	594.8	537.6
135°	1004.8	1000.8	982.7	949.4	906.1	849.6	783.2	716.6	651.1	593.6	545.2
137.5°	942.8	936.8	920.8	892.2	852.6	803.4	750.6	695.0	641.6	593.4	552.1
140°	900.0	894.0	878.9	852.6	820.4	776.1	729.7	681.4	636.0	592.6	555.3
142.5°	857.3	856.1	842.6	818.8	788.2	751.0	711.1	670.0	630.4	592.6	557.7
145°	802.2	799.2	789.2	772.0	747.8	718.6	687.4	654.1	622.9	590.6	560.4
147.5°	756.1	754.3	747.4	733.8	713.8	692.4	668.0	641.8	615.2	587.0	561.2
150°	728.7	727.7	721.6	709.5	694.4	676.3	655.1	633.0	608.7	584.6	560.4
152.5°	705.3	705.1	700.6	690.1	678.3	662.6	644.6	624.1	603.1	580.6	558.8
155°	674.3	676.3	672.3	665.2	654.1	643.0	627.9	611.8	592.6	573.5	556.3
157.5°	647.8	647.8	646.0	640.2	632.4	623.7	611.0	597.4	582.8	566.2	551.7
160°	631.0	631.0	630.0	624.9	617.8	610.8	599.7	588.5	575.5	561.4	549.3
162.5°	614.8	615.6	614.6	611.2	604.1	598.6	589.2	579.8	569.1	557.3	546.8
165°	591.6	592.6	592.6	588.5	584.6	580.6	573.5	566.4	558.4	549.3	542.2
167.5°	570.3	571.5	571.7	569.5	567.6	564.0	559.2	553.7	547.9	542.2	537.6
170°	557.3	559.4	560.4	557.3	556.3	554.3	550.3	547.2	542.2	538.2	535.2
172.5°	546.8	548.1	549.1	547.6	546.6	545.4	542.2	540.0	536.6	533.4	532.0
175°	533.2	535.2	536.2	535.2	535.2	534.2	533.2	532.2	529.2	528.2	527.1
177.5°	524.9	526.5	527.4	527.4	527.4	527.4	526.5	526.5	524.9	524.1	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2280.5	2275.4	2271.2	2260.0	2254.4	2242.0	2240.2	2239.6	2223.5	2208.0	2203.6
5°	2358.7	2346.3	2327.8	2306.1	2283.7	2260.5	2245.0	2232.6	2201.6	2172.2	2155.3
7.5°	2437.7	2411.1	2379.0	2338.0	2303.8	2265.4	2237.0	2211.4	2167.5	2125.4	2097.0
10°	2496.5	2453.2	2410.5	2354.1	2310.0	2266.6	2226.4	2191.6	2142.0	2086.4	2046.9
12.5°	2533.0	2485.4	2426.7	2371.5	2314.3	2259.3	2205.3	2160.6	2102.4	2044.9	1998.0
15°	2582.4	2531.3	2460.1	2381.2	2307.6	2235.7	2173.8	2118.1	2042.3	1973.4	1916.1
17.5°	2622.8	2552.5	2476.1	2384.8	2299.7	2208.2	2128.5	2057.3	1972.9	1889.8	1822.3
20°	2635.7	2566.2	2477.9	2386.6	2286.0	2178.5	2092.5	2015.2	1924.6	1834.0	1756.7
22.5°	2627.8	2573.5	2475.5	2366.2	2263.1	2150.6	2053.6	1963.8	1863.3	1770.9	1681.1
25°	2573.1	2554.6	2461.6	2342.5	2224.8	2094.1	1981.9	1883.6	1769.1	1670.0	1572.5
27.5°	2445.7	2485.8	2428.2	2301.3	2170.5	2030.3	1904.2	1792.3	1673.4	1562.0	1464.8
30°	2323.2	2415.2	2390.5	2272.8	2126.6	1988.8	1847.2	1730.4	1603.5	1488.9	1393.0
32.5°	2155.4	2307.5	2331.7	2233.2	2082.0	1930.7	1782.2	1666.0	1533.5	1412.8	1319.3
35°	1888.2	2115.8	2220.2	2157.6	2005.9	1842.6	1689.3	1553.9	1420.8	1301.6	1208.8
37.5°	1569.5	1879.5	2053.6	2058.0	1918.7	1749.0	1582.1	1447.6	1311.4	1194.4	1094.0
40°	1362.8	1698.6	1925.4	1975.7	1858.1	1674.7	1505.9	1369.0	1235.9	1121.4	1006.0
42.5°	1177.1	1511.7	1790.4	1877.8	1784.4	1602.3	1432.9	1289.7	1160.3	1052.0	934.2
45°	951.9	1244.4	1551.6	1707.9	1656.1	1487.3	1308.6	1172.5	1050.9	957.3	844.2
47.5°	802.9	1009.2	1306.5	1517.8	1516.9	1362.9	1187.1	1056.6	943.9	856.2	764.8
50°	718.1	897.7	1149.2	1389.1	1409.2	1280.0	1112.8	983.6	878.4	786.3	712.8
52.5°	642.0	789.9	1016.1	1246.1	1303.3	1191.4	1029.3	909.9	807.8	723.1	660.1
55°	542.5	657.0	828.8	1043.9	1130.6	1051.7	907.8	796.3	713.5	642.3	588.1
57.5°	458.9	544.8	682.7	855.9	956.8	907.2	788.4	697.9	627.0	562.6	519.9
60°	406.3	476.7	593.6	738.3	849.7	814.9	713.5	629.1	568.8	513.1	472.8
62.5°	356.8	417.3	517.5	634.9	737.0	722.7	639.9	569.1	516.1	465.4	431.3
65°	287.1	331.2	409.4	501.5	583.5	590.5	530.9	482.9	435.7	395.5	365.3
67.5°	228.6	257.4	312.5	390.0	451.5	473.4	437.1	400.4	362.9	331.8	305.7
70°	192.7	215.9	256.1	318.8	375.4	398.5	377.7	349.0	316.5	290.9	268.5
72.5°	156.1	178.7	208.4	254.5	302.9	328.0	320.7	300.1	273.8	252.6	231.4
75°	117.6	124.6	144.7	175.7	213.6	235.3	240.7	229.8	208.9	192.7	180.3
77.5°	86.9	91.2	100.8	117.0	141.8	161.1	169.1	167.7	153.4	143.9	132.3
80°	69.7	72.0	76.6	83.6	102.2	121.5	126.9	126.9	116.8	113.0	101.4
82.5°	52.9	54.6	57.5	61.3	70.0	86.8	92.9	94.1	87.8	82.6	73.5
85°	30.2	29.4	31.0	33.3	34.8	39.5	48.8	50.3	48.8	42.5	40.2
87.5°	16.0	15.1	14.1	12.9	13.1	13.3	15.7	18.2	16.3	15.2	14.4
90°	27.2	20.2	15.1	12.1	10.1	8.1	4.0	1.0	4.0	8.1	10.1
92.5°	100.6	68.6	45.7	36.3	29.4	25.0	17.8	12.3	17.8	25.0	29.4
95°	232.8	145.1	98.8	74.6	58.5	49.4	39.3	35.2	39.3	49.4	58.5
97.5°	313.7	191.5	133.2	105.8	87.3	73.6	62.9	57.5	62.9	73.6	87.3
100°	330.6	207.6	154.2	126.0	105.8	89.7	80.6	77.6	80.6	89.7	105.8
102.5°	331.4	222.2	172.8	144.5	123.6	107.4	98.4	96.1	98.4	107.4	123.6
105°	336.6	246.9	199.5	171.4	149.2	134.0	127.0	123.0	127.0	134.0	149.2
107.5°	350.5	272.4	226.4	197.9	176.0	162.1	155.2	152.0	155.2	162.1	176.0
110°	361.8	289.2	244.9	215.7	194.5	181.4	175.4	171.4	175.4	181.4	194.5



TEST NUMBER: P331755-840

CATALOG NUMBER: S122RDIP-S1005D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	374.0	305.4	262.7	232.6	212.3	200.0	193.1	189.0	193.1	200.0	212.3
115°	392.0	330.6	287.2	260.0	239.8	227.8	221.8	216.7	221.8	227.8	239.8
117.5°	411.4	353.8	313.7	285.4	266.1	255.4	249.3	245.3	249.3	255.4	266.1
120°	424.3	369.9	330.6	302.4	282.2	273.2	267.1	263.1	267.1	273.2	282.2
122.5°	435.6	385.2	348.3	319.3	299.1	289.2	283.2	280.0	283.2	289.2	299.1
125°	453.5	408.2	371.9	343.7	323.6	311.4	305.4	302.4	305.4	311.4	323.6
127.5°	470.3	429.6	394.3	365.3	345.9	332.5	324.2	320.1	324.2	332.5	345.9
130°	480.8	442.4	407.2	379.0	358.8	344.7	334.6	330.6	334.6	344.7	358.8
132.5°	491.2	453.7	420.1	391.8	370.9	356.0	345.1	340.2	345.1	356.0	370.9
135°	504.9	469.7	437.4	409.2	386.0	370.9	358.8	354.8	358.8	370.9	386.0
137.5°	515.4	482.6	450.7	424.5	401.5	385.4	373.3	368.5	373.3	385.4	401.5
140°	521.1	489.8	459.6	433.4	411.2	395.1	383.0	379.0	383.0	395.1	411.2
142.5°	525.9	495.4	466.1	441.4	420.1	403.9	392.6	389.4	392.6	403.9	420.1
145°	532.2	503.9	476.8	454.5	434.4	419.3	409.2	405.2	409.2	419.3	434.4
147.5°	535.6	510.8	485.2	465.4	448.7	434.7	425.2	422.1	425.2	434.7	448.7
150°	537.1	514.0	490.8	472.7	457.6	444.4	436.4	433.4	436.4	444.4	457.6
152.5°	538.0	517.3	496.4	480.0	465.6	454.1	446.1	444.6	446.1	454.1	465.6
155°	539.2	522.1	504.9	489.8	478.8	467.7	461.6	460.6	461.6	467.7	478.8
157.5°	539.2	525.5	511.0	498.3	489.4	479.8	474.9	473.9	474.9	479.8	489.4
160°	539.2	527.1	515.0	503.9	495.8	487.8	483.8	482.8	483.8	487.8	495.8
162.5°	538.4	528.0	517.5	508.8	501.5	495.0	491.0	491.6	491.0	495.0	501.5
165°	536.2	529.2	520.1	514.0	509.0	502.9	500.9	501.9	500.9	502.9	509.0
167.5°	534.8	529.0	522.3	518.5	514.8	511.0	509.2	510.4	509.2	511.0	514.8
170°	533.2	528.2	523.1	520.1	518.1	515.0	514.0	516.0	514.0	515.0	518.1
172.5°	530.8	527.4	523.9	521.7	520.5	517.5	518.1	519.3	518.1	517.5	520.5
175°	528.2	526.1	524.1	523.1	523.1	521.1	522.1	523.1	522.1	521.1	523.1
177.5°	526.5	524.9	524.1	524.1	524.1	522.5	523.3	524.9	523.3	522.5	524.1
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331755-840

CATALOG NUMBER: S122RDIP-S1005D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2195.6	2191.3	2183.2	2170.8	2163.4	2150.4	2141.7	2146.7	2148.0	2146.7	2145.5
5°	2136.7	2120.4	2098.0	2076.3	2056.2	2034.5	2022.2	2016.7	2005.9	1999.6	1996.6
7.5°	2065.3	2037.3	2005.6	1967.8	1935.7	1902.2	1885.0	1876.4	1854.3	1842.3	1831.7
10°	2012.1	1967.9	1936.2	1886.7	1856.5	1812.4	1782.2	1783.0	1752.8	1735.8	1723.4
12.5°	1953.3	1904.8	1852.0	1807.5	1765.5	1730.1	1693.6	1679.0	1647.0	1630.5	1597.1
15°	1855.7	1799.3	1743.5	1683.1	1640.6	1585.7	1533.1	1468.8	1416.9	1372.1	1359.7
17.5°	1749.3	1679.3	1623.5	1552.6	1479.7	1387.3	1326.3	1289.0	1257.7	1234.1	1216.4
20°	1676.2	1605.0	1545.4	1438.7	1340.3	1277.7	1232.7	1204.2	1171.6	1146.1	1132.2
22.5°	1599.4	1525.1	1443.9	1324.7	1248.1	1197.8	1157.8	1124.9	1102.9	1083.0	1070.3
25°	1490.5	1409.2	1275.4	1193.3	1131.4	1078.7	1050.9	1030.8	1007.5	980.5	968.2
27.5°	1375.3	1246.1	1149.9	1088.9	1029.9	995.6	970.6	940.6	919.8	907.6	894.7
30°	1289.3	1160.0	1085.0	1018.4	976.6	938.7	909.3	892.3	872.1	851.2	842.7
32.5°	1193.3	1090.0	1018.1	962.7	920.3	888.0	864.7	837.2	822.6	809.8	791.9
35°	1074.1	995.9	930.2	885.3	845.1	818.8	791.6	775.4	749.1	738.3	731.3
37.5°	973.2	905.4	856.4	809.0	777.1	748.0	731.4	705.6	694.2	679.1	664.5
40°	916.3	849.7	802.5	763.8	728.2	706.5	685.6	664.8	647.7	640.8	623.0
42.5°	858.1	803.9	756.7	714.3	690.4	667.5	641.1	625.7	608.1	596.8	585.8
45°	777.7	729.7	689.5	654.7	628.3	604.4	587.3	561.8	551.8	529.4	520.1
47.5°	707.2	662.6	624.2	591.1	565.4	549.8	524.8	504.8	488.8	475.0	463.1
50°	657.0	619.9	582.7	553.3	530.1	507.7	482.1	472.0	447.3	440.3	433.3
52.5°	611.2	575.9	541.9	513.1	489.9	468.1	445.6	432.4	415.8	408.8	403.6
55°	547.1	513.1	480.6	455.0	431.8	409.4	395.5	379.2	371.4	366.1	359.8
57.5°	482.7	452.1	427.2	401.3	378.0	360.1	344.1	334.3	326.3	319.1	311.7
60°	441.9	412.4	390.0	366.1	342.0	327.3	315.0	303.4	294.1	283.3	280.1
62.5°	398.5	372.8	352.2	328.9	308.0	294.6	282.8	271.8	260.6	244.9	240.5
65°	338.9	318.8	297.2	277.8	259.2	246.1	229.0	216.7	212.1	210.5	209.7
67.5°	285.1	266.1	247.5	227.6	210.8	198.5	190.0	188.0	184.8	183.9	181.7
70°	249.2	231.4	212.8	194.2	178.0	175.7	172.6	169.5	165.6	164.1	162.5
72.5°	217.0	198.5	180.0	165.1	158.1	155.2	152.2	149.1	146.4	144.9	143.9
75°	166.4	149.4	136.9	131.6	127.6	125.3	120.7	118.4	116.8	114.5	113.7
77.5°	119.8	110.2	104.5	101.1	97.0	94.5	91.9	89.6	88.0	87.5	86.2
80°	91.3	86.6	82.8	78.2	76.6	73.5	72.7	70.4	71.2	68.9	68.9
82.5°	70.9	65.0	61.8	59.6	58.1	55.5	54.8	53.7	53.8	52.1	52.1
85°	36.4	34.8	33.3	31.7	31.7	29.4	30.2	29.4	29.4	27.9	27.1
87.5°	14.1	14.1	13.9	15.3	16.6	16.2	16.0	15.1	14.7	15.1	14.7
90°	12.1	15.1	20.2	27.2	33.2	34.2	33.2	32.2	30.2	32.2	33.2
92.5°	36.3	45.7	68.6	100.6	129.2	131.0	110.7	87.9	75.4	67.0	60.7
95°	74.6	98.8	145.1	232.8	349.7	395.1	345.7	264.1	202.6	160.3	138.0
97.5°	105.8	133.2	191.5	313.7	508.0	674.5	707.5	616.2	504.1	395.1	322.3
100°	126.0	154.2	207.6	330.6	548.3	796.2	941.4	920.2	795.2	657.1	535.2
102.5°	144.5	172.8	222.2	331.4	533.0	800.2	1028.4	1119.3	1091.2	990.2	860.9
105°	171.4	199.5	246.9	336.6	502.9	746.8	1014.9	1224.6	1338.5	1351.6	1318.3
107.5°	197.9	226.4	272.4	350.5	488.0	689.6	926.5	1148.8	1320.3	1425.1	1473.9
110°	215.7	244.9	289.2	361.8	484.8	662.2	870.8	1083.5	1263.8	1392.9	1475.5



TEST NUMBER: P331755-840

CATALOG NUMBER: S122RDIP-S1005D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	232.6	262.7	305.4	374.0	485.5	644.4	832.1	1023.8	1197.0	1334.8	1429.6
115°	260.0	287.2	330.6	392.0	489.8	624.9	784.2	950.4	1105.6	1237.7	1341.5
117.5°	285.4	313.7	353.8	411.4	497.1	615.4	753.9	895.1	1031.5	1151.1	1248.6
120°	302.4	330.6	369.9	424.3	501.9	609.8	737.8	867.8	992.8	1099.5	1191.3
122.5°	319.3	348.3	385.2	435.6	507.6	606.5	724.1	846.0	960.5	1061.7	1144.6
125°	343.7	371.9	408.2	453.5	516.0	600.7	704.5	814.4	918.2	1006.8	1082.5
127.5°	365.3	394.3	429.6	470.3	524.7	597.2	686.4	783.2	877.1	960.7	1030.5
130°	379.0	407.2	442.4	480.8	531.2	595.6	674.3	763.0	849.6	929.3	995.8
132.5°	391.8	420.1	453.7	491.2	537.6	594.8	664.6	743.6	823.8	897.0	959.5
135°	409.2	437.4	469.7	504.9	545.2	593.6	651.1	716.6	783.2	849.6	906.1
137.5°	424.5	450.7	482.6	515.4	552.1	593.4	641.6	695.0	750.6	803.4	852.6
140°	433.4	459.6	489.8	521.1	555.3	592.6	636.0	681.4	729.7	776.1	820.4
142.5°	441.4	466.1	495.4	525.9	557.7	592.6	630.4	670.0	711.1	751.0	788.2
145°	454.5	476.8	503.9	532.2	560.4	590.6	622.9	654.1	687.4	718.6	747.8
147.5°	465.4	485.2	510.8	535.6	561.2	587.0	615.2	641.8	668.0	692.4	713.8
150°	472.7	490.8	514.0	537.1	560.4	584.6	608.7	633.0	655.1	676.3	694.4
152.5°	480.0	496.4	517.3	538.0	558.8	580.6	603.1	624.1	644.6	662.6	678.3
155°	489.8	504.9	522.1	539.2	556.3	573.5	592.6	611.8	627.9	643.0	654.1
157.5°	498.3	511.0	525.5	539.2	551.7	566.2	582.8	597.4	611.0	623.7	632.4
160°	503.9	515.0	527.1	539.2	549.3	561.4	575.5	588.5	599.7	610.8	617.8
162.5°	508.8	517.5	528.0	538.4	546.8	557.3	569.1	579.8	589.2	598.6	604.1
165°	514.0	520.1	529.2	536.2	542.2	549.3	558.4	566.4	573.5	580.6	584.6
167.5°	518.5	522.3	529.0	534.8	537.6	542.2	547.9	553.7	559.2	564.0	567.6
170°	520.1	523.1	528.2	533.2	535.2	538.2	542.2	547.2	550.3	554.3	556.3
172.5°	521.7	523.9	527.4	530.8	532.0	533.4	536.6	540.0	542.2	545.4	546.6
175°	523.1	524.1	526.1	528.2	527.1	528.2	529.2	532.2	533.2	534.2	535.2
177.5°	524.1	524.1	524.9	526.5	524.9	524.1	524.9	526.5	526.5	527.4	527.4
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331755-840

CATALOG NUMBER: S122RDIP-S1005D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2138.7	2139.9	2138.1	2139.3	2138.1	2139.9	2138.7	2145.5	2146.7	2148.0	2146.7
5°	1992.7	1983.4	1981.9	1979.5	1981.9	1983.4	1992.7	1996.6	1999.6	2005.9	2016.7
7.5°	1818.5	1817.1	1813.2	1807.8	1813.2	1817.1	1818.5	1831.7	1842.3	1854.3	1876.4
10°	1706.4	1702.5	1701.7	1696.3	1701.7	1702.5	1706.4	1723.4	1735.8	1752.8	1783.0
12.5°	1575.1	1550.2	1547.6	1534.1	1547.6	1550.2	1575.1	1597.1	1630.5	1647.0	1679.0
15°	1341.1	1336.5	1321.0	1310.9	1321.0	1336.5	1341.1	1359.7	1372.1	1416.9	1468.8
17.5°	1207.4	1192.2	1187.4	1185.3	1187.4	1192.2	1207.4	1216.4	1234.1	1257.7	1289.0
20°	1121.4	1107.4	1105.1	1103.6	1105.1	1107.4	1121.4	1132.2	1146.1	1171.6	1204.2
22.5°	1061.9	1047.3	1041.3	1036.6	1041.3	1047.3	1061.9	1070.3	1083.0	1102.9	1124.9
25°	960.4	954.9	951.9	950.3	951.9	954.9	960.4	968.2	980.5	1007.5	1030.8
27.5°	881.0	869.1	866.8	862.7	866.8	869.1	881.0	894.7	907.6	919.8	940.6
30°	835.8	831.9	826.5	821.8	826.5	831.9	835.8	842.7	851.2	872.1	892.3
32.5°	782.5	779.3	774.5	772.3	774.5	779.3	782.5	791.9	809.8	822.6	837.2
35°	723.6	712.8	708.1	701.1	708.1	712.8	723.6	731.3	738.3	749.1	775.4
37.5°	661.2	655.5	648.9	651.3	648.9	655.5	661.2	664.5	679.1	694.2	705.6
40°	612.9	609.0	607.5	606.7	607.5	609.0	612.9	623.0	640.8	647.7	664.8
42.5°	574.5	563.8	559.8	559.7	559.8	563.8	574.5	585.8	596.8	608.1	625.7
45°	516.1	506.1	499.2	499.9	499.2	506.1	516.1	520.1	529.4	551.8	561.8
47.5°	456.5	456.2	451.8	453.1	451.8	456.2	456.5	463.1	475.0	488.8	504.8
50°	428.0	423.3	420.2	421.0	420.2	423.3	428.0	433.3	440.3	447.3	472.0
52.5°	400.7	396.7	394.3	397.5	394.3	396.7	400.7	403.6	408.8	415.8	432.4
55°	356.0	351.3	350.5	349.8	350.5	351.3	356.0	359.8	366.1	371.4	379.2
57.5°	306.0	302.9	298.2	296.2	298.2	302.9	306.0	311.7	319.1	326.3	334.3
60°	270.0	263.9	256.1	255.4	256.1	263.9	270.0	280.1	283.3	294.1	303.4
62.5°	237.2	236.0	234.5	234.3	234.5	236.0	237.2	240.5	244.9	260.6	271.8
65°	208.1	207.4	208.1	208.9	208.1	207.4	208.1	209.7	210.5	212.1	216.7
67.5°	181.4	180.0	178.6	179.3	178.6	180.0	181.4	181.7	183.9	184.8	188.0
70°	161.0	160.2	159.5	159.5	159.5	160.2	161.0	162.5	164.1	165.6	169.5
72.5°	141.2	141.0	140.3	139.6	140.3	141.0	141.2	143.9	144.9	146.4	149.1
75°	113.0	111.4	111.4	111.4	111.4	111.4	113.0	113.7	114.5	116.8	118.4
77.5°	86.0	85.2	84.5	83.9	84.5	85.2	86.0	86.2	87.5	88.0	89.6
80°	68.1	67.4	66.6	66.6	66.6	67.4	68.1	68.9	68.9	71.2	70.4
82.5°	52.0	51.2	51.1	50.5	51.1	51.2	52.0	52.1	52.1	53.8	53.7
85°	27.9	28.7	27.9	29.4	27.9	28.7	27.9	27.1	27.9	29.4	29.4
87.5°	14.7	14.0	14.7	14.0	14.7	14.0	14.7	14.7	15.1	14.7	15.1
90°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	32.2	30.2	32.2
92.5°	59.9	56.7	57.5	55.8	57.5	56.7	59.9	60.7	67.0	75.4	87.9
95°	125.0	116.9	113.9	114.9	113.9	116.9	125.0	138.0	160.3	202.6	264.1
97.5°	274.2	249.3	234.6	226.2	234.6	249.3	274.2	322.3	395.1	504.1	616.2
100°	451.5	408.2	379.0	360.8	379.0	408.2	451.5	535.2	657.1	795.2	920.2
102.5°	770.0	696.0	659.5	635.0	659.5	696.0	770.0	860.9	990.2	1091.2	1119.3
105°	1255.8	1193.4	1149.9	1135.9	1149.9	1193.4	1255.8	1318.3	1351.6	1338.5	1224.6
107.5°	1481.8	1478.3	1469.7	1451.0	1469.7	1478.3	1481.8	1473.9	1425.1	1320.3	1148.8
110°	1518.8	1538.0	1547.1	1546.1	1547.1	1538.0	1518.8	1475.5	1392.9	1263.8	1083.5



TEST NUMBER: P331755-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1489.9	1521.9	1539.0	1544.5	1539.0	1521.9	1489.9	1429.6	1334.8	1197.0	1023.8
115°	1413.0	1459.4	1485.6	1494.7	1485.6	1459.4	1413.0	1341.5	1237.7	1105.6	950.4
117.5°	1321.5	1370.5	1398.2	1405.7	1398.2	1370.5	1321.5	1248.6	1151.1	1031.5	895.1
120°	1261.8	1309.2	1338.5	1348.6	1338.5	1309.2	1261.8	1191.3	1099.5	992.8	867.8
122.5°	1207.8	1254.4	1280.4	1288.9	1280.4	1254.4	1207.8	1144.6	1061.7	960.5	846.0
125°	1140.9	1179.2	1204.4	1212.4	1204.4	1179.2	1140.9	1082.5	1006.8	918.2	814.4
127.5°	1081.5	1117.3	1139.1	1145.6	1139.1	1117.3	1081.5	1030.5	960.7	877.1	783.2
130°	1045.2	1079.4	1099.5	1107.6	1099.5	1079.4	1045.2	995.8	929.3	849.6	763.0
132.5°	1008.0	1042.4	1060.9	1068.1	1060.9	1042.4	1008.0	959.5	897.0	823.8	743.6
135°	949.4	982.7	1000.8	1004.8	1000.8	982.7	949.4	906.1	849.6	783.2	716.6
137.5°	892.2	920.8	936.8	942.8	936.8	920.8	892.2	852.6	803.4	750.6	695.0
140°	852.6	878.9	894.0	900.0	894.0	878.9	852.6	820.4	776.1	729.7	681.4
142.5°	818.8	842.6	856.1	857.3	856.1	842.6	818.8	788.2	751.0	711.1	670.0
145°	772.0	789.2	799.2	802.2	799.2	789.2	772.0	747.8	718.6	687.4	654.1
147.5°	733.8	747.4	754.3	756.1	754.3	747.4	733.8	713.8	692.4	668.0	641.8
150°	709.5	721.6	727.7	728.7	727.7	721.6	709.5	694.4	676.3	655.1	633.0
152.5°	690.1	700.6	705.1	705.3	705.1	700.6	690.1	678.3	662.6	644.6	624.1
155°	665.2	672.3	676.3	674.3	676.3	672.3	665.2	654.1	643.0	627.9	611.8
157.5°	640.2	646.0	647.8	647.8	647.8	646.0	640.2	632.4	623.7	611.0	597.4
160°	624.9	630.0	631.0	631.0	631.0	630.0	624.9	617.8	610.8	599.7	588.5
162.5°	611.2	614.6	615.6	614.8	615.6	614.6	611.2	604.1	598.6	589.2	579.8
165°	588.5	592.6	592.6	591.6	592.6	592.6	588.5	584.6	580.6	573.5	566.4
167.5°	569.5	571.7	571.5	570.3	571.5	571.7	569.5	567.6	564.0	559.2	553.7
170°	557.3	560.4	559.4	557.3	559.4	560.4	557.3	556.3	554.3	550.3	547.2
172.5°	547.6	549.1	548.1	546.8	548.1	549.1	547.6	546.6	545.4	542.2	540.0
175°	535.2	536.2	535.2	533.2	535.2	536.2	535.2	535.2	534.2	533.2	532.2
177.5°	527.4	527.4	526.5	524.9	526.5	527.4	527.4	527.4	527.4	526.5	526.5
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331755-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2141.7	2150.4	2163.4	2170.8	2183.2	2191.3	2195.6	2203.6	2208.0	2223.5	2239.6
5°	2022.2	2034.5	2056.2	2076.3	2098.0	2120.4	2136.7	2155.3	2172.2	2201.6	2232.6
7.5°	1885.0	1902.2	1935.7	1967.8	2005.6	2037.3	2065.3	2097.0	2125.4	2167.5	2211.4
10°	1782.2	1812.4	1856.5	1886.7	1936.2	1967.9	2012.1	2046.9	2086.4	2142.0	2191.6
12.5°	1693.6	1730.1	1765.5	1807.5	1852.0	1904.8	1953.3	1998.0	2044.9	2102.4	2160.6
15°	1533.1	1585.7	1640.6	1683.1	1743.5	1799.3	1855.7	1916.1	1973.4	2042.3	2118.1
17.5°	1326.3	1387.3	1479.7	1552.6	1623.5	1679.3	1749.3	1822.3	1889.8	1972.9	2057.3
20°	1232.7	1277.7	1340.3	1438.7	1545.4	1605.0	1676.2	1756.7	1834.0	1924.6	2015.2
22.5°	1157.8	1197.8	1248.1	1324.7	1443.9	1525.1	1599.4	1681.1	1770.9	1863.3	1963.8
25°	1050.9	1078.7	1131.4	1193.3	1275.4	1409.2	1490.5	1572.5	1670.0	1769.1	1883.6
27.5°	970.6	995.6	1029.9	1088.9	1149.9	1246.1	1375.3	1464.8	1562.0	1673.4	1792.3
30°	909.3	938.7	976.6	1018.4	1085.0	1160.0	1289.3	1393.0	1488.9	1603.5	1730.4
32.5°	864.7	888.0	920.3	962.7	1018.1	1090.0	1193.3	1319.3	1412.8	1533.5	1666.0
35°	791.6	818.8	845.1	885.3	930.2	995.9	1074.1	1208.8	1301.6	1420.8	1553.9
37.5°	731.4	748.0	777.1	809.0	856.4	905.4	973.2	1094.0	1194.4	1311.4	1447.6
40°	685.6	706.5	728.2	763.8	802.5	849.7	916.3	1006.0	1121.4	1235.9	1369.0
42.5°	641.1	667.5	690.4	714.3	756.7	803.9	858.1	934.2	1052.0	1160.3	1289.7
45°	587.3	604.4	628.3	654.7	689.5	729.7	777.7	844.2	957.3	1050.9	1172.5
47.5°	524.8	549.8	565.4	591.1	624.2	662.6	707.2	764.8	856.2	943.9	1056.6
50°	482.1	507.7	530.1	553.3	582.7	619.9	657.0	712.8	786.3	878.4	983.6
52.5°	445.6	468.1	489.9	513.1	541.9	575.9	611.2	660.1	723.1	807.8	909.9
55°	395.5	409.4	431.8	455.0	480.6	513.1	547.1	588.1	642.3	713.5	796.3
57.5°	344.1	360.1	378.0	401.3	427.2	452.1	482.7	519.9	562.6	627.0	697.9
60°	315.0	327.3	342.0	366.1	390.0	412.4	441.9	472.8	513.1	568.8	629.1
62.5°	282.8	294.6	308.0	328.9	352.2	372.8	398.5	431.3	465.4	516.1	569.1
65°	229.0	246.1	259.2	277.8	297.2	318.8	338.9	365.3	395.5	435.7	482.9
67.5°	190.0	198.5	210.8	227.6	247.5	266.1	285.1	305.7	331.8	362.9	400.4
70°	172.6	175.7	178.0	194.2	212.8	231.4	249.2	268.5	290.9	316.5	349.0
72.5°	152.2	155.2	158.1	165.1	180.0	198.5	217.0	231.4	252.6	273.8	300.1
75°	120.7	125.3	127.6	131.6	136.9	149.4	166.4	180.3	192.7	208.9	229.8
77.5°	91.9	94.5	97.0	101.1	104.5	110.2	119.8	132.3	143.9	153.4	167.7
80°	72.7	73.5	76.6	78.2	82.8	86.6	91.3	101.4	113.0	116.8	126.9
82.5°	54.8	55.5	58.1	59.6	61.8	65.0	70.9	73.5	82.6	87.8	94.1
85°	30.2	29.4	31.7	31.7	33.3	34.8	36.4	40.2	42.5	48.8	50.3
87.5°	16.0	16.2	16.6	15.3	13.9	14.1	14.1	14.4	15.2	16.3	18.2
90°	33.2	34.2	33.2	27.2	20.2	15.1	12.1	10.1	8.1	4.0	1.0
92.5°	110.7	131.0	129.2	100.6	68.6	45.7	36.3	29.4	25.0	17.8	12.3
95°	345.7	395.1	349.7	232.8	145.1	98.8	74.6	58.5	49.4	39.3	35.2
97.5°	707.5	674.5	508.0	313.7	191.5	133.2	105.8	87.3	73.6	62.9	57.5
100°	941.4	796.2	548.3	330.6	207.6	154.2	126.0	105.8	89.7	80.6	77.6
102.5°	1028.4	800.2	533.0	331.4	222.2	172.8	144.5	123.6	107.4	98.4	96.1
105°	1014.9	746.8	502.9	336.6	246.9	199.5	171.4	149.2	134.0	127.0	123.0
107.5°	926.5	689.6	488.0	350.5	272.4	226.4	197.9	176.0	162.1	155.2	152.0
110°	870.8	662.2	484.8	361.8	289.2	244.9	215.7	194.5	181.4	175.4	171.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	832.1	644.4	485.5	374.0	305.4	262.7	232.6	212.3	200.0	193.1	189.0
115°	784.2	624.9	489.8	392.0	330.6	287.2	260.0	239.8	227.8	221.8	216.7
117.5°	753.9	615.4	497.1	411.4	353.8	313.7	285.4	266.1	255.4	249.3	245.3
120°	737.8	609.8	501.9	424.3	369.9	330.6	302.4	282.2	273.2	267.1	263.1
122.5°	724.1	606.5	507.6	435.6	385.2	348.3	319.3	299.1	289.2	283.2	280.0
125°	704.5	600.7	516.0	453.5	408.2	371.9	343.7	323.6	311.4	305.4	302.4
127.5°	686.4	597.2	524.7	470.3	429.6	394.3	365.3	345.9	332.5	324.2	320.1
130°	674.3	595.6	531.2	480.8	442.4	407.2	379.0	358.8	344.7	334.6	330.6
132.5°	664.6	594.8	537.6	491.2	453.7	420.1	391.8	370.9	356.0	345.1	340.2
135°	651.1	593.6	545.2	504.9	469.7	437.4	409.2	386.0	370.9	358.8	354.8
137.5°	641.6	593.4	552.1	515.4	482.6	450.7	424.5	401.5	385.4	373.3	368.5
140°	636.0	592.6	555.3	521.1	489.8	459.6	433.4	411.2	395.1	383.0	379.0
142.5°	630.4	592.6	557.7	525.9	495.4	466.1	441.4	420.1	403.9	392.6	389.4
145°	622.9	590.6	560.4	532.2	503.9	476.8	454.5	434.4	419.3	409.2	405.2
147.5°	615.2	587.0	561.2	535.6	510.8	485.2	465.4	448.7	434.7	425.2	422.1
150°	608.7	584.6	560.4	537.1	514.0	490.8	472.7	457.6	444.4	436.4	433.4
152.5°	603.1	580.6	558.8	538.0	517.3	496.4	480.0	465.6	454.1	446.1	444.6
155°	592.6	573.5	556.3	539.2	522.1	504.9	489.8	478.8	467.7	461.6	460.6
157.5°	582.8	566.2	551.7	539.2	525.5	511.0	498.3	489.4	479.8	474.9	473.9
160°	575.5	561.4	549.3	539.2	527.1	515.0	503.9	495.8	487.8	483.8	482.8
162.5°	569.1	557.3	546.8	538.4	528.0	517.5	508.8	501.5	495.0	491.0	491.6
165°	558.4	549.3	542.2	536.2	529.2	520.1	514.0	509.0	502.9	500.9	501.9
167.5°	547.9	542.2	537.6	534.8	529.0	522.3	518.5	514.8	511.0	509.2	510.4
170°	542.2	538.2	535.2	533.2	528.2	523.1	520.1	518.1	515.0	514.0	516.0
172.5°	536.6	533.4	532.0	530.8	527.4	523.9	521.7	520.5	517.5	518.1	519.3
175°	529.2	528.2	527.1	528.2	526.1	524.1	523.1	523.1	521.1	522.1	523.1
177.5°	524.9	524.1	524.9	526.5	524.9	524.1	524.1	524.1	522.5	523.3	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331755-840

CATALOG NUMBER: S122RDIP-S1005D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2240.2	2242.0	2254.4	2260.0	2271.2	2275.4	2280.5	2279.2	2279.2	2281.7	2299.0
5°	2245.0	2260.5	2283.7	2306.1	2327.8	2346.3	2358.7	2371.2	2375.8	2398.2	2418.3
7.5°	2237.0	2265.4	2303.8	2338.0	2379.0	2411.1	2437.7	2461.6	2478.1	2510.7	2544.2
10°	2226.4	2266.6	2310.0	2354.1	2410.5	2453.2	2496.5	2529.8	2540.6	2589.4	2617.3
12.5°	2205.3	2259.3	2314.3	2371.5	2426.7	2485.4	2533.0	2566.3	2604.3	2648.2	2699.6
15°	2173.8	2235.7	2307.6	2381.2	2460.1	2531.3	2582.4	2640.4	2682.2	2730.2	2775.1
17.5°	2128.5	2208.2	2299.7	2384.8	2476.1	2552.5	2622.8	2678.5	2708.0	2735.3	2742.0
20°	2092.5	2178.5	2286.0	2386.6	2477.9	2566.2	2635.7	2682.2	2690.0	2690.7	2649.7
22.5°	2053.6	2150.6	2263.1	2366.2	2475.5	2573.5	2627.8	2647.6	2616.9	2564.5	2485.1
25°	1981.9	2094.1	2224.8	2342.5	2461.6	2554.6	2573.1	2538.3	2430.7	2317.7	2174.5
27.5°	1904.2	2030.3	2170.5	2301.3	2428.2	2485.8	2445.7	2320.2	2126.5	1958.0	1753.9
30°	1847.2	1988.8	2126.6	2272.8	2390.5	2415.2	2323.2	2138.2	1912.2	1658.4	1454.9
32.5°	1782.2	1930.7	2082.0	2233.2	2331.7	2307.5	2155.4	1927.7	1662.7	1413.2	1220.8
35°	1689.3	1842.6	2005.9	2157.6	2220.2	2115.8	1888.2	1591.9	1321.0	1088.0	955.7
37.5°	1582.1	1749.0	1918.7	2058.0	2053.6	1879.5	1569.5	1263.5	1035.9	898.2	803.9
40°	1505.9	1674.7	1858.1	1975.7	1925.4	1698.6	1362.8	1074.1	907.8	797.9	729.0
42.5°	1432.9	1602.3	1784.4	1877.8	1790.4	1511.7	1177.1	950.9	813.6	727.9	672.1
45°	1308.6	1487.3	1656.1	1707.9	1551.6	1244.4	951.9	787.8	696.5	633.0	594.3
47.5°	1187.1	1362.9	1516.9	1517.8	1306.5	1009.2	802.9	681.8	603.8	554.7	526.5
50°	1112.8	1280.0	1409.2	1389.1	1149.2	897.7	718.1	613.7	548.7	510.8	481.3
52.5°	1029.3	1191.4	1303.3	1246.1	1016.1	789.9	642.0	554.2	500.4	467.4	441.1
55°	907.8	1051.7	1130.6	1043.9	828.8	657.0	542.5	473.6	433.3	405.5	383.0
57.5°	788.4	907.2	956.8	855.9	682.7	544.8	458.9	407.2	367.3	347.3	335.7
60°	713.5	814.9	849.7	738.3	593.6	476.7	406.3	358.3	328.9	315.8	304.2
62.5°	639.9	722.7	737.0	634.9	517.5	417.3	356.8	316.2	296.7	284.2	273.2
65°	530.9	590.5	583.5	501.5	409.4	331.2	287.1	262.4	247.6	229.8	210.5
67.5°	437.1	473.4	451.5	390.0	312.5	257.4	228.6	209.8	191.6	174.7	170.3
70°	377.7	398.5	375.4	318.8	256.1	215.9	192.7	170.3	159.5	155.5	148.6
72.5°	320.7	328.0	302.9	254.5	208.4	178.7	156.1	143.6	137.7	134.5	130.0
75°	240.7	235.3	213.6	175.7	144.7	124.6	117.6	113.0	109.1	106.0	103.7
77.5°	169.1	161.1	141.8	117.0	100.8	91.2	86.9	84.5	82.6	81.1	78.8
80°	126.9	121.5	102.2	83.6	76.6	72.0	69.7	66.6	66.6	65.0	62.7
82.5°	92.9	86.8	70.0	61.3	57.5	54.6	52.9	51.1	50.5	50.8	49.1
85°	48.8	39.5	34.8	33.3	31.0	29.4	30.2	28.7	28.7	28.7	27.9
87.5°	15.7	13.3	13.1	12.9	14.1	15.1	16.0	17.2	18.0	17.2	17.6
90°	4.0	8.1	10.1	12.1	15.1	20.2	27.2	33.2	34.2	33.2	32.2
92.5°	17.8	25.0	29.4	36.3	45.7	68.6	100.6	129.2	131.0	110.7	87.9
95°	39.3	49.4	58.5	74.6	98.8	145.1	232.8	349.7	395.1	345.7	264.1
97.5°	62.9	73.6	87.3	105.8	133.2	191.5	313.7	508.0	674.5	707.5	616.2
100°	80.6	89.7	105.8	126.0	154.2	207.6	330.6	548.3	796.2	941.4	920.2
102.5°	98.4	107.4	123.6	144.5	172.8	222.2	331.4	533.0	800.2	1028.4	1119.3
105°	127.0	134.0	149.2	171.4	199.5	246.9	336.6	502.9	746.8	1014.9	1224.6
107.5°	155.2	162.1	176.0	197.9	226.4	272.4	350.5	488.0	689.6	926.5	1148.8
110°	175.4	181.4	194.5	215.7	244.9	289.2	361.8	484.8	662.2	870.8	1083.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	193.1	200.0	212.3	232.6	262.7	305.4	374.0	485.5	644.4	832.1	1023.8
115°	221.8	227.8	239.8	260.0	287.2	330.6	392.0	489.8	624.9	784.2	950.4
117.5°	249.3	255.4	266.1	285.4	313.7	353.8	411.4	497.1	615.4	753.9	895.1
120°	267.1	273.2	282.2	302.4	330.6	369.9	424.3	501.9	609.8	737.8	867.8
122.5°	283.2	289.2	299.1	319.3	348.3	385.2	435.6	507.6	606.5	724.1	846.0
125°	305.4	311.4	323.6	343.7	371.9	408.2	453.5	516.0	600.7	704.5	814.4
127.5°	324.2	332.5	345.9	365.3	394.3	429.6	470.3	524.7	597.2	686.4	783.2
130°	334.6	344.7	358.8	379.0	407.2	442.4	480.8	531.2	595.6	674.3	763.0
132.5°	345.1	356.0	370.9	391.8	420.1	453.7	491.2	537.6	594.8	664.6	743.6
135°	358.8	370.9	386.0	409.2	437.4	469.7	504.9	545.2	593.6	651.1	716.6
137.5°	373.3	385.4	401.5	424.5	450.7	482.6	515.4	552.1	593.4	641.6	695.0
140°	383.0	395.1	411.2	433.4	459.6	489.8	521.1	555.3	592.6	636.0	681.4
142.5°	392.6	403.9	420.1	441.4	466.1	495.4	525.9	557.7	592.6	630.4	670.0
145°	409.2	419.3	434.4	454.5	476.8	503.9	532.2	560.4	590.6	622.9	654.1
147.5°	425.2	434.7	448.7	465.4	485.2	510.8	535.6	561.2	587.0	615.2	641.8
150°	436.4	444.4	457.6	472.7	490.8	514.0	537.1	560.4	584.6	608.7	633.0
152.5°	446.1	454.1	465.6	480.0	496.4	517.3	538.0	558.8	580.6	603.1	624.1
155°	461.6	467.7	478.8	489.8	504.9	522.1	539.2	556.3	573.5	592.6	611.8
157.5°	474.9	479.8	489.4	498.3	511.0	525.5	539.2	551.7	566.2	582.8	597.4
160°	483.8	487.8	495.8	503.9	515.0	527.1	539.2	549.3	561.4	575.5	588.5
162.5°	491.0	495.0	501.5	508.8	517.5	528.0	538.4	546.8	557.3	569.1	579.8
165°	500.9	502.9	509.0	514.0	520.1	529.2	536.2	542.2	549.3	558.4	566.4
167.5°	509.2	511.0	514.8	518.5	522.3	529.0	534.8	537.6	542.2	547.9	553.7
170°	514.0	515.0	518.1	520.1	523.1	528.2	533.2	535.2	538.2	542.2	547.2
172.5°	518.1	517.5	520.5	521.7	523.9	527.4	530.8	532.0	533.4	536.6	540.0
175°	522.1	521.1	523.1	523.1	524.1	526.1	528.2	527.1	528.2	529.2	532.2
177.5°	523.3	522.5	524.1	524.1	524.1	524.9	526.5	524.9	524.1	524.9	526.5
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2305.2	2313.2	2316.9	2316.9	2321.3	2319.5	2317.5
5°	2437.7	2452.4	2455.5	2469.4	2479.4	2476.4	2477.9
7.5°	2569.4	2593.0	2616.5	2627.2	2628.8	2635.0	2637.4
10°	2650.5	2669.9	2706.2	2700.8	2727.8	2743.4	2717.8
12.5°	2728.5	2754.6	2779.9	2786.8	2802.2	2807.1	2797.0
15°	2799.0	2813.0	2814.6	2810.7	2815.3	2811.5	2796.7
17.5°	2733.1	2710.6	2664.7	2643.0	2625.9	2600.5	2590.3
20°	2624.1	2557.6	2480.2	2449.3	2412.9	2341.7	2358.7
22.5°	2388.9	2313.1	2235.7	2145.4	2102.1	2034.7	2030.6
25°	2022.9	1892.1	1748.2	1647.6	1588.7	1521.5	1492.0
27.5°	1572.8	1408.2	1290.2	1230.4	1176.1	1122.8	1120.5
30°	1276.9	1153.1	1061.8	1010.7	977.3	954.9	959.6
32.5°	1076.3	991.5	929.9	887.5	862.8	846.0	845.7
35°	879.9	821.8	782.3	764.6	746.8	734.4	735.2
37.5°	753.0	718.1	696.2	676.5	665.4	659.3	655.9
40°	687.9	659.3	642.3	630.7	621.4	612.9	611.4
42.5°	636.6	612.9	595.9	586.7	578.0	572.1	570.5
45°	564.9	545.5	530.1	520.1	516.1	510.8	510.8
47.5°	502.5	483.5	471.4	465.1	458.5	454.8	454.7
50°	460.5	445.8	434.9	431.0	425.7	423.3	422.5
52.5°	422.7	411.7	403.9	401.3	399.0	396.1	396.6
55°	371.4	365.3	362.1	359.8	356.0	351.3	354.5
57.5°	328.3	323.1	314.7	307.4	303.9	300.5	301.8
60°	297.9	287.1	276.3	267.7	265.4	258.4	258.4
62.5°	259.5	244.4	231.1	226.3	224.0	220.8	220.0
65°	199.7	193.5	190.4	187.2	185.7	185.7	184.2
67.5°	165.4	163.0	159.6	158.8	157.2	156.8	156.3
70°	146.2	143.2	141.6	140.9	139.3	140.1	137.7
72.5°	127.6	125.2	124.9	122.9	122.0	122.1	120.4
75°	100.6	100.6	99.9	99.1	97.6	96.7	97.6
77.5°	77.4	77.6	76.1	76.0	75.8	76.0	75.2
80°	61.9	62.7	61.9	61.1	60.4	61.1	60.4
82.5°	48.9	47.9	47.7	47.6	47.4	46.9	46.8
85°	27.9	28.7	27.9	27.1	27.1	27.1	27.9
87.5°	16.6	17.0	17.2	17.2	17.2	17.2	16.6
90°	30.2	32.2	33.2	33.2	33.2	33.2	33.2
92.5°	75.4	67.0	60.7	59.9	56.7	57.5	55.8
95°	202.6	160.3	138.0	125.0	116.9	113.9	114.9
97.5°	504.1	395.1	322.3	274.2	249.3	234.6	226.2
100°	795.2	657.1	535.2	451.5	408.2	379.0	360.8
102.5°	1091.2	990.2	860.9	770.0	696.0	659.5	635.0
105°	1338.5	1351.6	1318.3	1255.8	1193.4	1149.9	1135.9
107.5°	1320.3	1425.1	1473.9	1481.8	1478.3	1469.7	1451.0
110°	1263.8	1392.9	1475.5	1518.8	1538.0	1547.1	1546.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1197.0	1334.8	1429.6	1489.9	1521.9	1539.0	1544.5
115°	1105.6	1237.7	1341.5	1413.0	1459.4	1485.6	1494.7
117.5°	1031.5	1151.1	1248.6	1321.5	1370.5	1398.2	1405.7
120°	992.8	1099.5	1191.3	1261.8	1309.2	1338.5	1348.6
122.5°	960.5	1061.7	1144.6	1207.8	1254.4	1280.4	1288.9
125°	918.2	1006.8	1082.5	1140.9	1179.2	1204.4	1212.4
127.5°	877.1	960.7	1030.5	1081.5	1117.3	1139.1	1145.6
130°	849.6	929.3	995.8	1045.2	1079.4	1099.5	1107.6
132.5°	823.8	897.0	959.5	1008.0	1042.4	1060.9	1068.1
135°	783.2	849.6	906.1	949.4	982.7	1000.8	1004.8
137.5°	750.6	803.4	852.6	892.2	920.8	936.8	942.8
140°	729.7	776.1	820.4	852.6	878.9	894.0	900.0
142.5°	711.1	751.0	788.2	818.8	842.6	856.1	857.3
145°	687.4	718.6	747.8	772.0	789.2	799.2	802.2
147.5°	668.0	692.4	713.8	733.8	747.4	754.3	756.1
150°	655.1	676.3	694.4	709.5	721.6	727.7	728.7
152.5°	644.6	662.6	678.3	690.1	700.6	705.1	705.3
155°	627.9	643.0	654.1	665.2	672.3	676.3	674.3
157.5°	611.0	623.7	632.4	640.2	646.0	647.8	647.8
160°	599.7	610.8	617.8	624.9	630.0	631.0	631.0
162.5°	589.2	598.6	604.1	611.2	614.6	615.6	614.8
165°	573.5	580.6	584.6	588.5	592.6	592.6	591.6
167.5°	559.2	564.0	567.6	569.5	571.7	571.5	570.3
170°	550.3	554.3	556.3	557.3	560.4	559.4	557.3
172.5°	542.2	545.4	546.6	547.6	549.1	548.1	546.8
175°	533.2	534.2	535.2	535.2	536.2	535.2	533.2
177.5°	526.5	527.4	527.4	527.4	527.4	526.5	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1

(END OF REPORT)