

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: P331747-830

Luminaire Tested: **S122RDIP-S1005D725U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331747-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S1005D725U830-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

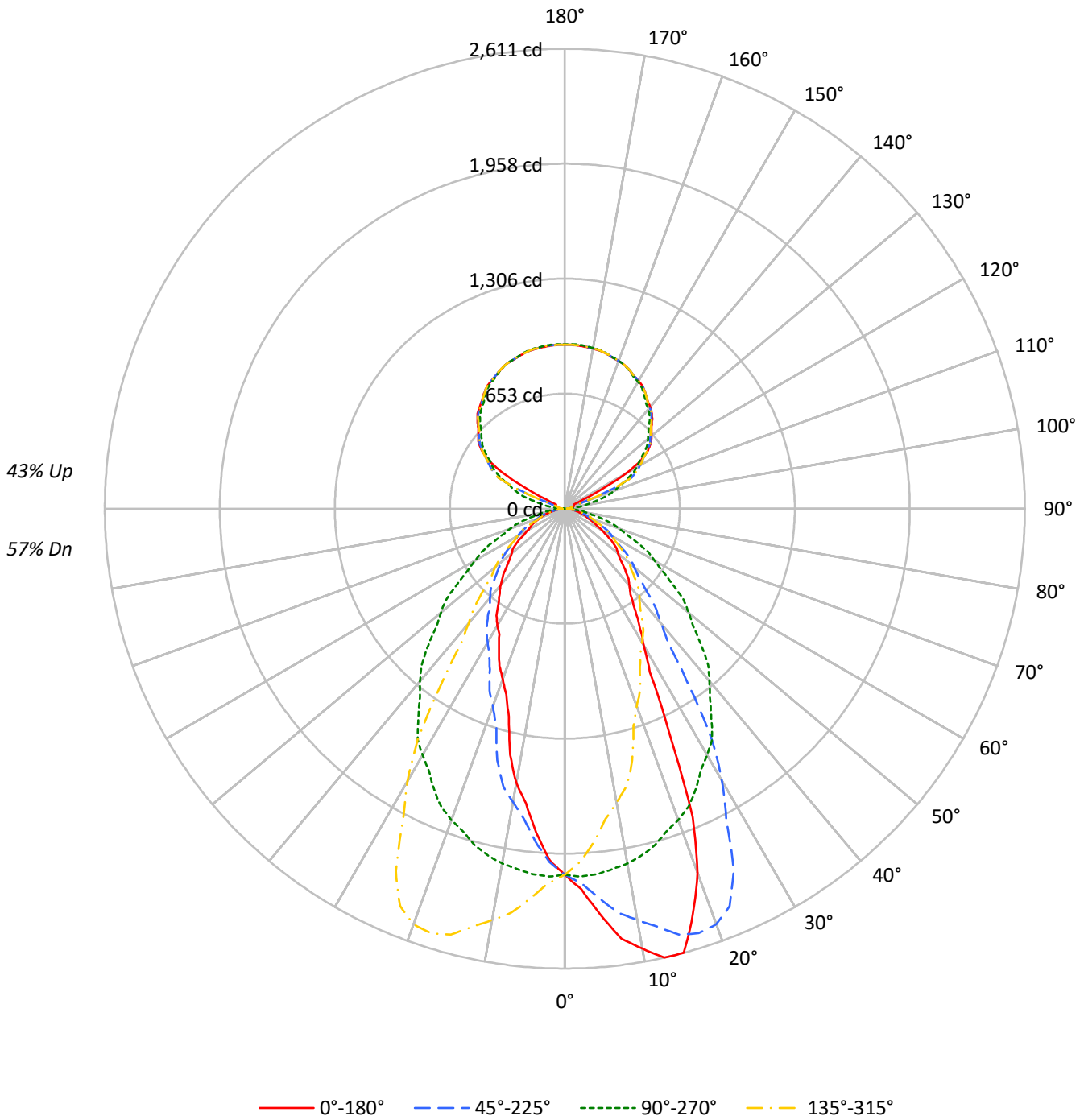
Lumens per Lamp: N/A  
Luminaire Lumens: 6325.4 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 60.7  
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	101	101	101	101	87	87	87	74	74	74	62	62	62	57				
1	100	96	93	89	93	90	87	84	78	75	73	67	65	64	56	55	54	50				
2	92	85	79	74	86	80	75	70	69	65	62	60	57	55	51	49	47	43				
3	85	76	69	63	79	71	65	60	62	57	54	54	50	47	46	43	41	38				
4	78	68	60	54	72	64	57	52	56	51	47	49	45	41	42	39	37	33				
5	72	61	53	47	67	57	50	45	50	45	41	44	40	37	38	35	33	30				
6	67	55	47	42	62	52	45	40	46	40	36	40	36	33	35	32	29	27				
7	62	50	43	37	58	47	41	36	42	37	33	37	33	29	32	29	26	24				
8	58	46	38	33	54	43	37	32	39	33	29	34	30	27	30	27	24	22				
9	54	42	35	30	51	40	33	29	36	30	27	32	27	24	28	25	22	20				
10	51	39	32	27	47	37	31	26	33	28	24	30	25	22	26	23	20	18				

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

	0°	90°	180°	270°
0°	33562	33562	33562	33562
5°	37483	33773	29945	33773
10°	41589	33536	25956	33536
15°	43632	33045	20451	33045
20°	37826	32316	17698	32316
25°	24807	31319	15800	31319
30°	16697	30109	14300	30109
35°	13525	28586	12899	28586
40°	12026	26930	11936	26930
45°	10885	24987	10654	24987
50°	9907	23059	9869	23059
55°	9312	20921	9191	20921
60°	7789	18962	7698	18962
65°	6567	17219	7450	17219
70°	6071	15375	7024	15375
75°	5677	13381	6488	13381
80°	5244	11018	5774	11018
85°	4817	8688	5076	8688



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.1	3.1
10°-20°	549.1	8.7
20°-30°	707.5	11.2
30°-40°	672.4	10.6
40°-50°	576.0	9.1
50°-60°	438.6	6.9
60°-70°	277.3	4.4
70°-80°	138.5	2.2
80°-90°	38.3	0.6
90°-100°	31.1	0.5
100°-110°	114.0	1.8
110°-120°	304.7	4.8
120°-130°	502.9	8.0
130°-140°	534.9	8.5
140°-150°	497.1	7.9
150°-160°	399.7	6.3
160°-170°	257.6	4.1
170°-180°	88.7	1.4
0°-30°	1453.7	23.0
0°-40°	2126.0	33.6
0°-60°	3140.7	49.7
0°-90°	3594.8	56.8
90°-120°	449.7	7.1
90°-150°	1984.7	31.4
90°-180°	2731.0	43.2
0°-180°	6325.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2079	2079	2079	2079	2079	
5°	2313	2084	1848	2084	2313	228
15°	2610	1977	1224	1977	2610	704
25°	1392	1758	887	1758	1392	661
35°	686	1450	654	1450	686	439
45°	477	1094	467	1094	477	369
55°	331	743	326	743	331	290
65°	172	451	195	451	172	175
75°	91	214	104	214	91	97
85°	26	47	27	47	26	28
90°	18	1	18	1	18	9
95°	29	44	29	44	29	27
105°	51	205	51	205	51	53
115°	55	388	55	388	55	138
125°	576	548	576	548	576	499
135°	700	678	700	678	700	540
145°	799	787	799	787	799	500
155°	867	866	867	866	867	400
165°	911	913	911	913	911	257
175°	928	934	928	934	928	88
180°	932	932	932	932	932	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2163.0	2164.8	2166.5	2162.5	2162.5	2159.0	2151.5	2145.7	2129.6	2127.2	2127.2
5°	2312.7	2311.3	2314.1	2304.8	2291.8	2288.9	2275.2	2257.1	2238.4	2217.4	2213.1
7.5°	2461.5	2459.4	2453.5	2452.0	2442.0	2420.2	2398.1	2374.5	2343.3	2312.9	2297.5
10°	2536.7	2560.5	2546.0	2520.7	2525.8	2491.9	2473.8	2442.8	2416.8	2371.2	2361.2
12.5°	2610.6	2620.0	2615.4	2601.0	2594.5	2571.0	2546.6	2519.6	2471.6	2430.7	2395.2
15°	2610.3	2624.0	2627.6	2623.3	2627.0	2625.5	2612.4	2590.1	2548.2	2503.4	2464.4
17.5°	2417.6	2427.1	2450.8	2466.8	2487.1	2529.9	2550.9	2559.2	2553.0	2527.4	2499.9
20°	2201.5	2185.6	2252.0	2286.0	2314.9	2387.1	2449.2	2473.0	2511.3	2510.7	2503.4
22.5°	1895.3	1899.0	1962.0	2002.3	2086.7	2158.9	2229.7	2319.4	2393.5	2442.4	2471.1
25°	1392.5	1420.0	1482.8	1537.8	1631.6	1765.9	1888.0	2029.6	2163.2	2268.7	2369.1
27.5°	1045.8	1047.9	1097.7	1148.4	1204.2	1314.3	1467.9	1637.0	1827.5	1984.7	2165.5
30°	895.6	891.3	912.2	943.3	991.0	1076.2	1191.8	1357.9	1547.8	1784.7	1995.6
32.5°	789.3	789.6	805.3	828.3	867.9	925.4	1004.6	1139.4	1319.0	1551.9	1799.2
35°	686.2	685.4	697.0	713.6	730.2	767.0	821.2	892.0	1015.5	1232.9	1485.7
37.5°	612.2	615.4	621.0	631.4	649.8	670.2	702.8	750.3	838.3	966.9	1179.3
40°	570.6	572.0	579.9	588.6	599.5	615.4	642.1	680.4	744.7	847.3	1002.5
42.5°	532.4	534.0	539.5	547.6	556.2	572.0	594.2	627.3	679.4	759.4	887.5
45°	476.7	476.7	481.7	485.4	494.7	509.2	527.3	554.7	590.8	650.1	735.3
47.5°	424.4	424.5	427.9	434.1	440.0	451.3	469.0	491.4	517.7	563.5	636.3
50°	394.4	395.1	397.3	402.3	406.0	416.0	429.8	449.2	476.7	512.1	572.8
52.5°	370.1	369.7	372.4	374.6	377.0	384.3	394.5	411.7	436.2	467.0	517.3
55°	330.8	327.9	332.2	335.8	338.0	340.9	346.7	357.5	378.4	404.4	442.1
57.5°	281.7	280.5	283.6	286.9	293.7	301.5	306.4	313.3	324.1	342.8	380.0
60°	241.2	241.2	247.7	249.9	257.9	268.0	278.1	283.9	294.7	307.0	334.4
62.5°	205.4	206.0	209.1	211.2	215.7	228.1	242.2	255.0	265.2	276.9	295.1
65°	171.9	173.3	173.3	174.7	177.7	180.6	186.3	196.4	214.5	231.1	244.9
67.5°	145.9	146.4	146.8	148.2	148.9	152.1	154.4	158.9	163.1	178.8	195.9
70°	128.6	130.7	130.0	131.5	132.1	133.7	136.5	138.6	145.2	148.8	158.9
72.5°	112.4	114.0	113.9	114.7	116.6	116.9	119.1	121.3	125.5	128.6	134.0
75°	91.0	90.3	91.0	92.5	93.2	93.9	93.9	96.8	99.0	101.8	105.5
77.5°	70.2	71.0	70.8	71.0	71.1	72.4	72.2	73.5	75.7	77.1	78.9
80°	56.4	57.0	56.4	57.0	57.8	58.5	57.8	58.5	60.7	62.1	62.1
82.5°	43.6	43.7	44.2	44.4	44.5	44.7	45.6	45.8	47.4	47.1	47.7
85°	26.0	25.3	25.3	25.3	26.0	26.8	26.0	26.0	26.8	26.8	26.8
87.5°	12.9	13.4	13.4	13.3	13.2	13.1	13.0	13.4	12.6	13.1	12.3
90°	18.2	17.9	17.6	17.3	17.0	16.5	15.7	15.0	14.2	13.5	12.3
92.5°	18.2	18.0	17.8	17.6	17.5	17.2	16.8	16.4	16.0	15.6	15.1
95°	29.0	29.1	29.3	29.4	29.6	29.3	28.6	27.8	27.1	26.3	25.3
97.5°	38.7	38.5	38.4	38.2	38.0	37.6	36.9	36.4	35.8	35.2	32.8
100°	45.1	44.9	44.6	44.3	44.0	43.3	42.0	40.8	39.6	38.5	35.9
102.5°	48.4	48.0	47.6	47.1	46.8	45.7	44.2	42.6	41.1	39.5	60.8
105°	51.3	50.6	50.0	49.5	48.8	47.7	46.1	44.4	42.8	41.1	82.0
107.5°	52.7	52.1	51.6	50.9	50.3	50.9	52.5	54.2	55.9	57.6	106.6
110°	53.3	52.7	52.0	51.5	50.9	58.1	73.0	88.0	103.0	118.0	161.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	53.8	53.3	52.9	52.4	51.8	79.0	133.7	188.3	243.0	297.6	308.3
115°	55.3	66.1	76.8	87.7	98.4	138.6	207.9	277.3	346.7	416.0	412.3
117.5°	225.7	261.2	296.6	332.1	367.5	393.6	410.4	427.3	444.0	460.8	458.2
120°	411.3	431.5	451.8	471.9	492.2	501.4	499.6	497.9	496.0	494.2	491.5
122.5°	513.2	517.2	521.0	525.0	529.0	530.4	529.2	528.2	527.1	526.0	523.1
125°	576.5	576.0	575.6	575.1	574.7	573.9	572.9	571.8	570.8	569.8	566.8
127.5°	616.4	616.3	616.2	616.1	616.0	615.2	613.7	612.2	610.7	609.1	607.0
130°	641.2	641.3	641.5	641.7	641.8	641.0	639.4	637.7	636.1	634.4	632.8
132.5°	665.4	665.6	665.8	665.9	666.1	665.4	664.0	662.6	661.2	659.8	658.2
135°	700.5	700.8	701.2	701.4	701.7	701.2	699.6	698.1	696.6	695.1	693.8
137.5°	732.4	733.0	733.5	734.1	734.5	734.1	732.5	731.1	729.6	728.2	726.6
140°	752.4	753.2	753.9	754.7	755.4	755.2	753.8	752.4	751.1	749.8	748.1
142.5°	771.8	772.6	773.4	774.1	774.9	774.6	773.4	772.1	770.9	769.7	767.8
145°	799.0	799.7	800.5	801.3	801.9	801.8	800.8	799.7	798.7	797.6	795.0
147.5°	822.8	823.5	824.1	824.7	825.4	825.3	824.5	823.7	822.9	822.2	819.6
150°	837.4	838.1	838.9	839.6	840.4	840.3	839.4	838.5	837.6	836.7	834.3
152.5°	849.8	850.8	851.8	852.8	853.8	853.8	852.9	852.0	851.1	850.2	847.9
155°	867.0	868.3	869.5	870.6	871.9	872.0	871.1	870.2	869.3	868.4	866.6
157.5°	882.9	884.0	885.1	886.4	887.5	887.6	886.6	885.5	884.6	883.5	882.2
160°	892.0	893.1	894.1	895.1	896.2	896.3	895.4	894.5	893.6	892.7	891.7
162.5°	899.6	900.9	902.1	903.4	904.7	904.8	903.8	902.8	901.8	900.8	900.0
165°	910.9	911.9	912.9	914.1	915.1	915.1	914.1	912.9	911.9	910.9	910.4
167.5°	918.0	919.4	920.8	922.1	923.4	923.6	922.6	921.5	920.4	919.4	919.0
170°	922.4	923.7	925.0	926.4	927.7	927.9	926.8	925.8	924.7	923.7	923.4
172.5°	925.6	926.9	928.3	929.6	930.9	931.1	930.1	929.1	928.0	926.9	926.6
175°	928.4	929.9	931.4	932.9	934.4	934.6	933.6	932.6	931.5	930.5	930.1
177.5°	930.2	931.2	932.4	933.4	934.5	934.6	933.8	932.9	932.1	931.2	931.1
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2128.4	2123.7	2119.8	2109.3	2104.1	2092.5	2090.8	2090.3	2075.3	2060.8	2056.7
5°	2201.5	2189.9	2172.7	2152.4	2131.5	2109.8	2095.4	2083.8	2054.8	2027.4	2011.6
7.5°	2275.2	2250.3	2220.4	2182.2	2150.2	2114.4	2087.8	2064.0	2023.0	1983.7	1957.2
10°	2330.1	2289.6	2249.8	2197.2	2156.0	2115.5	2078.0	2045.5	1999.2	1947.3	1910.4
12.5°	2364.2	2319.7	2264.9	2213.4	2160.0	2108.7	2058.3	2016.6	1962.3	1908.6	1864.8
15°	2410.3	2362.6	2296.1	2222.4	2153.8	2086.7	2028.9	1976.9	1906.1	1841.8	1788.4
17.5°	2448.0	2382.4	2311.0	2225.8	2146.4	2061.0	1986.6	1920.1	1841.4	1763.8	1700.8
20°	2460.0	2395.1	2312.7	2227.5	2133.6	2033.3	1953.0	1880.8	1796.3	1711.8	1639.6
22.5°	2452.6	2402.0	2310.5	2208.5	2112.2	2007.2	1916.7	1832.9	1739.1	1652.8	1569.1
25°	2401.6	2384.3	2297.5	2186.3	2076.5	1954.5	1849.7	1758.0	1651.1	1558.7	1467.6
27.5°	2282.6	2320.1	2266.3	2147.9	2025.8	1895.0	1777.3	1672.8	1561.9	1457.8	1367.2
30°	2168.3	2254.2	2231.1	2121.3	1984.8	1856.2	1724.1	1615.0	1496.6	1389.7	1300.1
32.5°	2011.7	2153.7	2176.2	2084.3	1943.2	1802.0	1663.4	1554.9	1431.3	1318.6	1231.3
35°	1762.4	1974.7	2072.2	2013.7	1872.2	1719.8	1576.7	1450.3	1326.1	1214.8	1128.2
37.5°	1464.9	1754.2	1916.7	1920.8	1790.8	1632.4	1476.6	1351.1	1224.0	1114.7	1021.1
40°	1272.0	1585.4	1797.1	1844.0	1734.2	1563.0	1405.5	1277.7	1153.5	1046.6	939.0
42.5°	1098.6	1410.9	1671.0	1752.7	1665.5	1495.4	1337.4	1203.7	1083.0	981.8	871.9
45°	888.4	1161.4	1448.1	1594.0	1545.7	1388.2	1221.3	1094.3	980.8	893.4	788.0
47.5°	749.4	941.9	1219.4	1416.6	1415.8	1272.1	1108.0	986.2	881.0	799.1	713.8
50°	670.2	837.8	1072.6	1296.5	1315.2	1194.7	1038.6	918.0	819.8	733.9	665.2
52.5°	599.2	737.3	948.4	1163.0	1216.4	1112.0	960.6	849.2	753.9	674.9	616.1
55°	506.3	613.2	773.5	974.3	1055.3	981.6	847.3	743.2	665.9	599.5	548.9
57.5°	428.3	508.5	637.2	798.8	893.1	846.7	735.8	651.4	585.2	525.1	485.2
60°	379.2	444.9	554.0	689.1	793.1	760.5	665.9	587.2	530.8	478.9	441.3
62.5°	333.0	389.5	483.0	592.6	687.9	674.5	597.2	531.1	481.7	434.4	402.6
65°	268.0	309.2	382.1	468.1	544.6	551.1	495.5	450.7	406.6	369.1	340.9
67.5°	213.4	240.3	291.6	364.0	421.4	441.9	407.9	373.7	338.7	309.7	285.3
70°	179.8	201.5	239.0	297.6	350.3	371.9	352.5	325.7	295.4	271.5	250.6
72.5°	145.7	166.8	194.5	237.5	282.7	306.1	299.4	280.1	255.5	235.7	215.9
75°	109.8	116.3	135.1	164.0	199.3	219.6	224.6	214.5	195.0	179.8	168.2
77.5°	81.2	85.1	94.1	109.2	132.3	150.3	157.8	156.6	143.2	134.3	123.5
80°	65.0	67.2	71.5	78.0	95.4	113.4	118.5	118.5	109.1	105.5	94.6
82.5°	49.4	51.0	53.6	57.2	65.3	81.1	86.7	87.8	81.9	77.1	68.6
85°	28.2	27.4	28.9	31.1	32.5	36.9	45.5	46.9	45.5	39.7	37.5
87.5°	12.1	12.3	12.2	11.3	11.5	11.8	14.3	16.9	14.9	13.5	12.7
90°	11.1	9.9	8.7	7.3	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	14.4	13.9	13.3	13.0	13.2	13.3	13.5	13.6	13.5	13.3	13.2
95°	24.2	23.2	22.1	24.0	29.0	33.9	38.9	43.8	38.9	33.9	29.0
97.5°	30.3	27.9	25.4	31.2	45.1	59.1	73.0	87.0	73.0	59.1	45.1
100°	33.4	30.8	28.3	37.2	57.8	78.3	98.8	119.3	98.8	78.3	57.8
102.5°	82.1	103.4	124.7	137.5	141.9	146.3	150.6	155.0	150.6	146.3	141.9
105°	122.9	163.8	204.7	222.9	218.5	214.0	209.4	205.0	209.4	214.0	218.5
107.5°	155.7	204.7	253.8	276.5	272.9	269.3	265.6	262.0	265.6	269.3	272.9
110°	204.6	247.9	291.2	311.2	308.1	305.0	301.8	298.7	301.8	305.0	308.1





TEST NUMBER: P331747-830

CATALOG NUMBER: S122RDIP-S1005D725U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	319.0	329.7	340.4	344.3	341.6	338.7	336.0	333.2	336.0	338.7	341.6
115°	408.5	404.7	401.1	397.8	395.3	392.8	390.2	387.7	390.2	392.8	395.3
117.5°	455.6	453.1	450.4	447.7	444.9	442.1	439.2	436.4	439.2	442.1	444.9
120°	488.8	486.2	483.4	481.0	478.7	476.5	474.2	471.9	474.2	476.5	478.7
122.5°	520.2	517.3	514.3	511.6	509.3	506.9	504.5	502.2	504.5	506.9	509.3
125°	564.0	561.2	558.4	555.9	554.0	552.0	550.1	548.2	550.1	552.0	554.0
127.5°	604.8	602.8	600.6	598.4	596.3	594.2	592.0	589.8	592.0	594.2	596.3
130°	631.1	629.5	627.8	625.8	623.4	621.0	618.7	616.2	618.7	621.0	623.4
132.5°	656.5	654.9	653.2	651.4	649.3	647.3	645.3	643.2	645.3	647.3	649.3
135°	692.4	691.1	689.8	687.9	685.5	683.1	680.7	678.3	680.7	683.1	685.5
137.5°	725.1	723.6	722.1	720.5	718.8	717.1	715.4	713.8	715.4	717.1	718.8
140°	746.5	744.8	743.2	741.7	740.6	739.3	738.1	737.0	738.1	739.3	740.6
142.5°	765.9	764.0	762.1	760.6	759.6	758.6	757.4	756.4	757.4	758.6	759.6
145°	792.5	789.9	787.4	786.3	786.4	786.6	786.6	786.8	786.6	786.6	786.4
147.5°	817.1	814.6	812.1	811.2	811.7	812.3	812.8	813.4	812.8	812.3	811.7
150°	831.9	829.5	827.2	826.4	827.6	828.6	829.6	830.7	829.6	828.6	827.6
152.5°	845.6	843.4	841.1	840.6	841.7	842.9	844.0	845.2	844.0	842.9	841.7
155°	864.8	863.0	861.2	861.0	862.3	863.7	865.1	866.4	865.1	863.7	862.3
157.5°	881.0	879.8	878.4	878.4	879.6	880.7	881.8	883.0	881.8	880.7	879.6
160°	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7	891.7	890.9	889.9
162.5°	899.2	898.4	897.7	897.7	898.6	899.6	900.4	901.4	900.4	899.6	898.6
165°	910.0	909.6	909.1	909.3	910.2	911.2	912.0	912.9	912.0	911.2	910.2
167.5°	918.5	918.1	917.7	917.9	918.9	919.7	920.7	921.5	920.7	919.7	918.9
170°	923.1	922.8	922.5	922.8	923.7	924.6	925.5	926.4	925.5	924.6	923.7
172.5°	926.3	926.0	925.8	926.0	926.9	927.8	928.7	929.6	928.7	927.8	926.9
175°	929.8	929.5	929.3	929.6	930.7	931.7	932.7	933.8	932.7	931.7	930.7
177.5°	931.0	930.9	930.8	931.1	932.0	932.8	933.7	934.5	933.7	932.8	932.0
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331747-830

CATALOG NUMBER: S122RDIP-S1005D725U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2049.3	2045.2	2037.7	2026.1	2019.2	2007.1	1998.9	2003.6	2004.8	2003.6	2002.4
5°	1994.2	1979.1	1958.1	1937.9	1919.1	1898.8	1887.3	1882.3	1872.2	1866.3	1863.5
7.5°	1927.6	1901.5	1871.9	1836.6	1806.7	1775.4	1759.3	1751.3	1730.7	1719.5	1709.6
10°	1877.9	1836.7	1807.1	1761.0	1732.8	1691.6	1663.4	1664.2	1636.0	1620.0	1608.5
12.5°	1823.1	1777.8	1728.5	1687.0	1647.8	1614.8	1580.7	1567.1	1537.2	1521.8	1490.6
15°	1732.0	1679.3	1627.3	1570.9	1531.3	1480.0	1430.9	1370.9	1322.5	1280.6	1269.0
17.5°	1632.7	1567.4	1515.2	1449.1	1381.0	1294.8	1237.8	1203.1	1173.8	1151.8	1135.3
20°	1564.4	1498.0	1442.4	1342.7	1250.9	1192.5	1150.6	1123.9	1093.5	1069.7	1056.7
22.5°	1492.8	1423.4	1347.6	1236.4	1164.9	1117.9	1080.6	1049.9	1029.4	1010.8	998.9
25°	1391.1	1315.2	1190.3	1113.7	1055.9	1006.8	980.8	962.1	940.4	915.1	903.6
27.5°	1283.6	1163.0	1073.3	1016.3	961.2	929.3	905.9	877.9	858.5	847.1	835.1
30°	1203.3	1082.7	1012.7	950.6	911.5	876.1	848.7	832.8	814.0	794.5	786.6
32.5°	1113.7	1017.4	950.3	898.5	858.9	828.8	807.1	781.4	767.8	755.8	739.1
35°	1002.5	929.5	868.2	826.3	788.7	764.2	738.9	723.7	699.2	689.1	682.6
37.5°	908.3	845.1	799.3	755.1	725.3	698.1	682.7	658.6	647.9	633.9	620.2
40°	855.2	793.1	749.0	712.8	679.7	659.4	639.9	620.5	604.5	598.0	581.5
42.5°	800.9	750.3	706.2	666.7	644.4	623.0	598.3	584.0	567.6	557.0	546.8
45°	725.9	681.1	643.6	611.1	586.4	564.1	548.2	524.3	515.0	494.1	485.4
47.5°	660.1	618.4	582.6	551.7	527.7	513.1	489.8	471.2	456.2	443.4	432.3
50°	613.2	578.5	543.8	516.4	494.7	473.8	450.0	440.5	417.5	410.9	404.4
52.5°	570.4	537.5	505.8	478.9	457.2	436.9	415.8	403.6	388.0	381.5	376.7
55°	510.7	478.9	448.6	424.7	403.0	382.1	369.1	353.9	346.7	341.7	335.8
57.5°	450.5	422.0	398.7	374.6	352.8	336.1	321.1	312.0	304.5	297.8	291.0
60°	412.5	384.9	364.0	341.7	319.2	305.5	294.0	283.1	274.5	264.4	261.5
62.5°	371.9	348.0	328.8	307.0	287.5	274.9	263.9	253.6	243.3	228.6	224.5
65°	316.3	297.6	277.4	259.3	242.0	229.7	213.8	202.3	197.9	196.4	195.8
67.5°	266.1	248.4	231.0	212.4	196.7	185.3	177.3	175.5	172.5	171.6	169.6
70°	232.6	215.9	198.6	181.3	166.2	164.0	161.1	158.2	154.6	153.2	151.7
72.5°	202.6	185.3	168.0	154.1	147.6	144.9	142.0	139.1	136.7	135.3	134.3
75°	155.3	139.4	127.8	122.8	119.1	117.0	112.6	110.5	109.1	106.9	106.1
77.5°	111.8	102.8	97.6	94.3	90.6	88.2	85.8	83.6	82.1	81.6	80.5
80°	85.2	80.9	77.3	73.0	71.5	68.6	67.9	65.7	66.4	64.3	64.3
82.5°	66.2	60.7	57.7	55.6	54.2	51.8	51.2	50.1	50.2	48.6	48.6
85°	33.9	32.5	31.1	29.6	29.6	27.4	28.2	27.4	27.4	26.0	25.3
87.5°	12.4	12.2	11.2	11.5	11.7	11.4	11.5	11.1	11.2	11.4	10.9
90°	7.3	8.7	9.9	11.1	12.3	13.5	14.2	15.0	15.7	16.5	17.0
92.5°	13.0	13.3	13.9	14.4	15.1	15.6	16.0	16.4	16.8	17.2	17.5
95°	24.0	22.1	23.2	24.2	25.3	26.3	27.1	27.8	28.6	29.3	29.6
97.5°	31.2	25.4	27.9	30.3	32.8	35.2	35.8	36.4	36.9	37.6	38.0
100°	37.2	28.3	30.8	33.4	35.9	38.5	39.6	40.8	42.0	43.3	44.0
102.5°	137.5	124.7	103.4	82.1	60.8	39.5	41.1	42.6	44.2	45.7	46.8
105°	222.9	204.7	163.8	122.9	82.0	41.1	42.8	44.4	46.1	47.7	48.8
107.5°	276.5	253.8	204.7	155.7	106.6	57.6	55.9	54.2	52.5	50.9	50.3
110°	311.2	291.2	247.9	204.6	161.3	118.0	103.0	88.0	73.0	58.1	50.9



TEST NUMBER: P331747-830

CATALOG NUMBER: S122RDIP-S1005D725U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	344.3	340.4	329.7	319.0	308.3	297.6	243.0	188.3	133.7	79.0	51.8
115°	397.8	401.1	404.7	408.5	412.3	416.0	346.7	277.3	207.9	138.6	98.4
117.5°	447.7	450.4	453.1	455.6	458.2	460.8	444.0	427.3	410.4	393.6	367.5
120°	481.0	483.4	486.2	488.8	491.5	494.2	496.0	497.9	499.6	501.4	492.2
122.5°	511.6	514.3	517.3	520.2	523.1	526.0	527.1	528.2	529.2	530.4	529.0
125°	555.9	558.4	561.2	564.0	566.8	569.8	570.8	571.8	572.9	573.9	574.7
127.5°	598.4	600.6	602.8	604.8	607.0	609.1	610.7	612.2	613.7	615.2	616.0
130°	625.8	627.8	629.5	631.1	632.8	634.4	636.1	637.7	639.4	641.0	641.8
132.5°	651.4	653.2	654.9	656.5	658.2	659.8	661.2	662.6	664.0	665.4	666.1
135°	687.9	689.8	691.1	692.4	693.8	695.1	696.6	698.1	699.6	701.2	701.7
137.5°	720.5	722.1	723.6	725.1	726.6	728.2	729.6	731.1	732.5	734.1	734.5
140°	741.7	743.2	744.8	746.5	748.1	749.8	751.1	752.4	753.8	755.2	755.4
142.5°	760.6	762.1	764.0	765.9	767.8	769.7	770.9	772.1	773.4	774.6	774.9
145°	786.3	787.4	789.9	792.5	795.0	797.6	798.7	799.7	800.8	801.8	801.9
147.5°	811.2	812.1	814.6	817.1	819.6	822.2	822.9	823.7	824.5	825.3	825.4
150°	826.4	827.2	829.5	831.9	834.3	836.7	837.6	838.5	839.4	840.3	840.4
152.5°	840.6	841.1	843.4	845.6	847.9	850.2	851.1	852.0	852.9	853.8	853.8
155°	861.0	861.2	863.0	864.8	866.6	868.4	869.3	870.2	871.1	872.0	871.9
157.5°	878.4	878.4	879.8	881.0	882.2	883.5	884.6	885.5	886.6	887.6	887.5
160°	889.1	889.1	889.9	890.9	891.7	892.7	893.6	894.5	895.4	896.3	896.2
162.5°	897.7	897.7	898.4	899.2	900.0	900.8	901.8	902.8	903.8	904.8	904.7
165°	909.3	909.1	909.6	910.0	910.4	910.9	911.9	912.9	914.1	915.1	915.1
167.5°	917.9	917.7	918.1	918.5	919.0	919.4	920.4	921.5	922.6	923.6	923.4
170°	922.8	922.5	922.8	923.1	923.4	923.7	924.7	925.8	926.8	927.9	927.7
172.5°	926.0	925.8	926.0	926.3	926.6	926.9	928.0	929.1	930.1	931.1	930.9
175°	929.6	929.3	929.5	929.8	930.1	930.5	931.5	932.6	933.6	934.6	934.4
177.5°	931.1	930.8	930.9	931.0	931.1	931.2	932.1	932.9	933.8	934.6	934.5
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331747-830  
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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	1996.1	1997.2	1995.6	1996.7	1995.6	1997.2	1996.1	2002.4	2003.6	2004.8	2003.6
5°	1859.8	1851.2	1849.7	1847.6	1849.7	1851.2	1859.8	1863.5	1866.3	1872.2	1882.3
7.5°	1697.2	1695.9	1692.3	1687.2	1692.3	1695.9	1697.2	1709.6	1719.5	1730.7	1751.3
10°	1592.6	1589.0	1588.3	1583.2	1588.3	1589.0	1592.6	1608.5	1620.0	1636.0	1664.2
12.5°	1470.1	1446.9	1444.4	1431.8	1444.4	1446.9	1470.1	1490.6	1521.8	1537.2	1567.1
15°	1251.7	1247.4	1232.9	1223.5	1232.9	1247.4	1251.7	1269.0	1280.6	1322.5	1370.9
17.5°	1126.9	1112.8	1108.2	1106.3	1108.2	1112.8	1126.9	1135.3	1151.8	1173.8	1203.1
20°	1046.6	1033.6	1031.4	1030.0	1031.4	1033.6	1046.6	1056.7	1069.7	1093.5	1123.9
22.5°	991.1	977.5	971.9	967.5	971.9	977.5	991.1	998.9	1010.8	1029.4	1049.9
25°	896.4	891.3	888.4	886.9	888.4	891.3	896.4	903.6	915.1	940.4	962.1
27.5°	822.3	811.2	809.0	805.2	809.0	811.2	822.3	835.1	847.1	858.5	877.9
30°	780.0	776.5	771.4	767.0	771.4	776.5	780.0	786.6	794.5	814.0	832.8
32.5°	730.4	727.4	722.8	720.9	722.8	727.4	730.4	739.1	755.8	767.8	781.4
35°	675.3	665.2	660.9	654.4	660.9	665.2	675.3	682.6	689.1	699.2	723.7
37.5°	617.1	611.8	605.7	607.8	605.7	611.8	617.1	620.2	633.9	647.9	658.6
40°	572.0	568.4	567.0	566.3	567.0	568.4	572.0	581.5	598.0	604.5	620.5
42.5°	536.2	526.2	522.5	522.4	522.5	526.2	536.2	546.8	557.0	567.6	584.0
45°	481.7	472.4	465.9	466.6	465.9	472.4	481.7	485.4	494.1	515.0	524.3
47.5°	426.0	425.7	421.7	422.9	421.7	425.7	426.0	432.3	443.4	456.2	471.2
50°	399.4	395.1	392.2	392.9	392.2	395.1	399.4	404.4	410.9	417.5	440.5
52.5°	374.0	370.2	368.0	371.0	368.0	370.2	374.0	376.7	381.5	388.0	403.6
55°	332.2	327.9	327.2	326.5	327.2	327.9	332.2	335.8	341.7	346.7	353.9
57.5°	285.6	282.7	278.3	276.4	278.3	282.7	285.6	291.0	297.8	304.5	312.0
60°	252.0	246.3	239.0	238.4	239.0	246.3	252.0	261.5	264.4	274.5	283.1
62.5°	221.4	220.3	218.9	218.7	218.9	220.3	221.4	224.5	228.6	243.3	253.6
65°	194.3	193.6	194.3	195.0	194.3	193.6	194.3	195.8	196.4	197.9	202.3
67.5°	169.3	168.0	166.7	167.3	166.7	168.0	169.3	169.6	171.6	172.5	175.5
70°	150.2	149.5	148.8	148.8	148.8	149.5	150.2	151.7	153.2	154.6	158.2
72.5°	131.8	131.6	130.9	130.3	130.9	131.6	131.8	134.3	135.3	136.7	139.1
75°	105.5	104.0	104.0	104.0	104.0	104.0	105.5	106.1	106.9	109.1	110.5
77.5°	80.3	79.6	78.9	78.3	78.9	79.6	80.3	80.5	81.6	82.1	83.6
80°	63.5	62.9	62.1	62.1	62.1	62.9	63.5	64.3	64.3	66.4	65.7
82.5°	48.5	47.8	47.7	47.1	47.7	47.8	48.5	48.6	48.6	50.2	50.1
85°	26.0	26.8	26.0	27.4	26.0	26.8	26.0	25.3	26.0	27.4	27.4
87.5°	10.9	10.5	11.1	10.6	11.1	10.5	10.9	10.9	11.4	11.2	11.1
90°	17.3	17.6	17.9	18.2	17.9	17.6	17.3	17.0	16.5	15.7	15.0
92.5°	17.6	17.8	18.0	18.2	18.0	17.8	17.6	17.5	17.2	16.8	16.4
95°	29.4	29.3	29.1	29.0	29.1	29.3	29.4	29.6	29.3	28.6	27.8
97.5°	38.2	38.4	38.5	38.7	38.5	38.4	38.2	38.0	37.6	36.9	36.4
100°	44.3	44.6	44.9	45.1	44.9	44.6	44.3	44.0	43.3	42.0	40.8
102.5°	47.1	47.6	48.0	48.4	48.0	47.6	47.1	46.8	45.7	44.2	42.6
105°	49.5	50.0	50.6	51.3	50.6	50.0	49.5	48.8	47.7	46.1	44.4
107.5°	50.9	51.6	52.1	52.7	52.1	51.6	50.9	50.3	50.9	52.5	54.2
110°	51.5	52.0	52.7	53.3	52.7	52.0	51.5	50.9	58.1	73.0	88.0



TEST NUMBER: P331747-830

CATALOG NUMBER: S122RDIP-S1005D725U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	52.4	52.9	53.3	53.8	53.3	52.9	52.4	51.8	79.0	133.7	188.3
115°	87.7	76.8	66.1	55.3	66.1	76.8	87.7	98.4	138.6	207.9	277.3
117.5°	332.1	296.6	261.2	225.7	261.2	296.6	332.1	367.5	393.6	410.4	427.3
120°	471.9	451.8	431.5	411.3	431.5	451.8	471.9	492.2	501.4	499.6	497.9
122.5°	525.0	521.0	517.2	513.2	517.2	521.0	525.0	529.0	530.4	529.2	528.2
125°	575.1	575.6	576.0	576.5	576.0	575.6	575.1	574.7	573.9	572.9	571.8
127.5°	616.1	616.2	616.3	616.4	616.3	616.2	616.1	616.0	615.2	613.7	612.2
130°	641.7	641.5	641.3	641.2	641.3	641.5	641.7	641.8	641.0	639.4	637.7
132.5°	665.9	665.8	665.6	665.4	665.6	665.8	665.9	666.1	665.4	664.0	662.6
135°	701.4	701.2	700.8	700.5	700.8	701.2	701.4	701.7	701.2	699.6	698.1
137.5°	734.1	733.5	733.0	732.4	733.0	733.5	734.1	734.5	734.1	732.5	731.1
140°	754.7	753.9	753.2	752.4	753.2	753.9	754.7	755.4	755.2	753.8	752.4
142.5°	774.1	773.4	772.6	771.8	772.6	773.4	774.1	774.9	774.6	773.4	772.1
145°	801.3	800.5	799.7	799.0	799.7	800.5	801.3	801.9	801.8	800.8	799.7
147.5°	824.7	824.1	823.5	822.8	823.5	824.1	824.7	825.4	825.3	824.5	823.7
150°	839.6	838.9	838.1	837.4	838.1	838.9	839.6	840.4	840.3	839.4	838.5
152.5°	852.8	851.8	850.8	849.8	850.8	851.8	852.8	853.8	853.8	852.9	852.0
155°	870.6	869.5	868.3	867.0	868.3	869.5	870.6	871.9	872.0	871.1	870.2
157.5°	886.4	885.1	884.0	882.9	884.0	885.1	886.4	887.5	887.6	886.6	885.5
160°	895.1	894.1	893.1	892.0	893.1	894.1	895.1	896.2	896.3	895.4	894.5
162.5°	903.4	902.1	900.9	899.6	900.9	902.1	903.4	904.7	904.8	903.8	902.8
165°	914.1	912.9	911.9	910.9	911.9	912.9	914.1	915.1	915.1	914.1	912.9
167.5°	922.1	920.8	919.4	918.0	919.4	920.8	922.1	923.4	923.6	922.6	921.5
170°	926.4	925.0	923.7	922.4	923.7	925.0	926.4	927.7	927.9	926.8	925.8
172.5°	929.6	928.3	926.9	925.6	926.9	928.3	929.6	930.9	931.1	930.1	929.1
175°	932.9	931.4	929.9	928.4	929.9	931.4	932.9	934.4	934.6	933.6	932.6
177.5°	933.4	932.4	931.2	930.2	931.2	932.4	933.4	934.5	934.6	933.8	932.9
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331747-830

CATALOG NUMBER: S122RDIP-S1005D725U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	1998.9	2007.1	2019.2	2026.1	2037.7	2045.2	2049.3	2056.7	2060.8	2075.3	2090.3
5°	1887.3	1898.8	1919.1	1937.9	1958.1	1979.1	1994.2	2011.6	2027.4	2054.8	2083.8
7.5°	1759.3	1775.4	1806.7	1836.6	1871.9	1901.5	1927.6	1957.2	1983.7	2023.0	2064.0
10°	1663.4	1691.6	1732.8	1761.0	1807.1	1836.7	1877.9	1910.4	1947.3	1999.2	2045.5
12.5°	1580.7	1614.8	1647.8	1687.0	1728.5	1777.8	1823.1	1864.8	1908.6	1962.3	2016.6
15°	1430.9	1480.0	1531.3	1570.9	1627.3	1679.3	1732.0	1788.4	1841.8	1906.1	1976.9
17.5°	1237.8	1294.8	1381.0	1449.1	1515.2	1567.4	1632.7	1700.8	1763.8	1841.4	1920.1
20°	1150.6	1192.5	1250.9	1342.7	1442.4	1498.0	1564.4	1639.6	1711.8	1796.3	1880.8
22.5°	1080.6	1117.9	1164.9	1236.4	1347.6	1423.4	1492.8	1569.1	1652.8	1739.1	1832.9
25°	980.8	1006.8	1055.9	1113.7	1190.3	1315.2	1391.1	1467.6	1558.7	1651.1	1758.0
27.5°	905.9	929.3	961.2	1016.3	1073.3	1163.0	1283.6	1367.2	1457.8	1561.9	1672.8
30°	848.7	876.1	911.5	950.6	1012.7	1082.7	1203.3	1300.1	1389.7	1496.6	1615.0
32.5°	807.1	828.8	858.9	898.5	950.3	1017.4	1113.7	1231.3	1318.6	1431.3	1554.9
35°	738.9	764.2	788.7	826.3	868.2	929.5	1002.5	1128.2	1214.8	1326.1	1450.3
37.5°	682.7	698.1	725.3	755.1	799.3	845.1	908.3	1021.1	1114.7	1224.0	1351.1
40°	639.9	659.4	679.7	712.8	749.0	793.1	855.2	939.0	1046.6	1153.5	1277.7
42.5°	598.3	623.0	644.4	666.7	706.2	750.3	800.9	871.9	981.8	1083.0	1203.7
45°	548.2	564.1	586.4	611.1	643.6	681.1	725.9	788.0	893.4	980.8	1094.3
47.5°	489.8	513.1	527.7	551.7	582.6	618.4	660.1	713.8	799.1	881.0	986.2
50°	450.0	473.8	494.7	516.4	543.8	578.5	613.2	665.2	733.9	819.8	918.0
52.5°	415.8	436.9	457.2	478.9	505.8	537.5	570.4	616.1	674.9	753.9	849.2
55°	369.1	382.1	403.0	424.7	448.6	478.9	510.7	548.9	599.5	665.9	743.2
57.5°	321.1	336.1	352.8	374.6	398.7	422.0	450.5	485.2	525.1	585.2	651.4
60°	294.0	305.5	319.2	341.7	364.0	384.9	412.5	441.3	478.9	530.8	587.2
62.5°	263.9	274.9	287.5	307.0	328.8	348.0	371.9	402.6	434.4	481.7	531.1
65°	213.8	229.7	242.0	259.3	277.4	297.6	316.3	340.9	369.1	406.6	450.7
67.5°	177.3	185.3	196.7	212.4	231.0	248.4	266.1	285.3	309.7	338.7	373.7
70°	161.1	164.0	166.2	181.3	198.6	215.9	232.6	250.6	271.5	295.4	325.7
72.5°	142.0	144.9	147.6	154.1	168.0	185.3	202.6	215.9	235.7	255.5	280.1
75°	112.6	117.0	119.1	122.8	127.8	139.4	155.3	168.2	179.8	195.0	214.5
77.5°	85.8	88.2	90.6	94.3	97.6	102.8	111.8	123.5	134.3	143.2	156.6
80°	67.9	68.6	71.5	73.0	77.3	80.9	85.2	94.6	105.5	109.1	118.5
82.5°	51.2	51.8	54.2	55.6	57.7	60.7	66.2	68.6	77.1	81.9	87.8
85°	28.2	27.4	29.6	29.6	31.1	32.5	33.9	37.5	39.7	45.5	46.9
87.5°	11.5	11.4	11.7	11.5	11.2	12.2	12.4	12.7	13.5	14.9	16.9
90°	14.2	13.5	12.3	11.1	9.9	8.7	7.3	5.7	4.0	2.4	0.7
92.5°	16.0	15.6	15.1	14.4	13.9	13.3	13.0	13.2	13.3	13.5	13.6
95°	27.1	26.3	25.3	24.2	23.2	22.1	24.0	29.0	33.9	38.9	43.8
97.5°	35.8	35.2	32.8	30.3	27.9	25.4	31.2	45.1	59.1	73.0	87.0
100°	39.6	38.5	35.9	33.4	30.8	28.3	37.2	57.8	78.3	98.8	119.3
102.5°	41.1	39.5	60.8	82.1	103.4	124.7	137.5	141.9	146.3	150.6	155.0
105°	42.8	41.1	82.0	122.9	163.8	204.7	222.9	218.5	214.0	209.4	205.0
107.5°	55.9	57.6	106.6	155.7	204.7	253.8	276.5	272.9	269.3	265.6	262.0
110°	103.0	118.0	161.3	204.6	247.9	291.2	311.2	308.1	305.0	301.8	298.7



TEST NUMBER: P331747-830

CATALOG NUMBER: S122RDIP-S1005D725U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	243.0	297.6	308.3	319.0	329.7	340.4	344.3	341.6	338.7	336.0	333.2
115°	346.7	416.0	412.3	408.5	404.7	401.1	397.8	395.3	392.8	390.2	387.7
117.5°	444.0	460.8	458.2	455.6	453.1	450.4	447.7	444.9	442.1	439.2	436.4
120°	496.0	494.2	491.5	488.8	486.2	483.4	481.0	478.7	476.5	474.2	471.9
122.5°	527.1	526.0	523.1	520.2	517.3	514.3	511.6	509.3	506.9	504.5	502.2
125°	570.8	569.8	566.8	564.0	561.2	558.4	555.9	554.0	552.0	550.1	548.2
127.5°	610.7	609.1	607.0	604.8	602.8	600.6	598.4	596.3	594.2	592.0	589.8
130°	636.1	634.4	632.8	631.1	629.5	627.8	625.8	623.4	621.0	618.7	616.2
132.5°	661.2	659.8	658.2	656.5	654.9	653.2	651.4	649.3	647.3	645.3	643.2
135°	696.6	695.1	693.8	692.4	691.1	689.8	687.9	685.5	683.1	680.7	678.3
137.5°	729.6	728.2	726.6	725.1	723.6	722.1	720.5	718.8	717.1	715.4	713.8
140°	751.1	749.8	748.1	746.5	744.8	743.2	741.7	740.6	739.3	738.1	737.0
142.5°	770.9	769.7	767.8	765.9	764.0	762.1	760.6	759.6	758.6	757.4	756.4
145°	798.7	797.6	795.0	792.5	789.9	787.4	786.3	786.4	786.6	786.6	786.8
147.5°	822.9	822.2	819.6	817.1	814.6	812.1	811.2	811.7	812.3	812.8	813.4
150°	837.6	836.7	834.3	831.9	829.5	827.2	826.4	827.6	828.6	829.6	830.7
152.5°	851.1	850.2	847.9	845.6	843.4	841.1	840.6	841.7	842.9	844.0	845.2
155°	869.3	868.4	866.6	864.8	863.0	861.2	861.0	862.3	863.7	865.1	866.4
157.5°	884.6	883.5	882.2	881.0	879.8	878.4	878.4	879.6	880.7	881.8	883.0
160°	893.6	892.7	891.7	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7
162.5°	901.8	900.8	900.0	899.2	898.4	897.7	897.7	898.6	899.6	900.4	901.4
165°	911.9	910.9	910.4	910.0	909.6	909.1	909.3	910.2	911.2	912.0	912.9
167.5°	920.4	919.4	919.0	918.5	918.1	917.7	917.9	918.9	919.7	920.7	921.5
170°	924.7	923.7	923.4	923.1	922.8	922.5	922.8	923.7	924.6	925.5	926.4
172.5°	928.0	926.9	926.6	926.3	926.0	925.8	926.0	926.9	927.8	928.7	929.6
175°	931.5	930.5	930.1	929.8	929.5	929.3	929.6	930.7	931.7	932.7	933.8
177.5°	932.1	931.2	931.1	931.0	930.9	930.8	931.1	932.0	932.8	933.7	934.5
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331747-830

CATALOG NUMBER: S122RDIP-S1005D725U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2090.8	2092.5	2104.1	2109.3	2119.8	2123.7	2128.4	2127.2	2127.2	2129.6	2145.7
5°	2095.4	2109.8	2131.5	2152.4	2172.7	2189.9	2201.5	2213.1	2217.4	2238.4	2257.1
7.5°	2087.8	2114.4	2150.2	2182.2	2220.4	2250.3	2275.2	2297.5	2312.9	2343.3	2374.5
10°	2078.0	2115.5	2156.0	2197.2	2249.8	2289.6	2330.1	2361.2	2371.2	2416.8	2442.8
12.5°	2058.3	2108.7	2160.0	2213.4	2264.9	2319.7	2364.2	2395.2	2430.7	2471.6	2519.6
15°	2028.9	2086.7	2153.8	2222.4	2296.1	2362.6	2410.3	2464.4	2503.4	2548.2	2590.1
17.5°	1986.6	2061.0	2146.4	2225.8	2311.0	2382.4	2448.0	2499.9	2527.4	2553.0	2559.2
20°	1953.0	2033.3	2133.6	2227.5	2312.7	2395.1	2460.0	2503.4	2510.7	2511.3	2473.0
22.5°	1916.7	2007.2	2112.2	2208.5	2310.5	2402.0	2452.6	2471.1	2442.4	2393.5	2319.4
25°	1849.7	1954.5	2076.5	2186.3	2297.5	2384.3	2401.6	2369.1	2268.7	2163.2	2029.6
27.5°	1777.3	1895.0	2025.8	2147.9	2266.3	2320.1	2282.6	2165.5	1984.7	1827.5	1637.0
30°	1724.1	1856.2	1984.8	2121.3	2231.1	2254.2	2168.3	1995.6	1784.7	1547.8	1357.9
32.5°	1663.4	1802.0	1943.2	2084.3	2176.2	2153.7	2011.7	1799.2	1551.9	1319.0	1139.4
35°	1576.7	1719.8	1872.2	2013.7	2072.2	1974.7	1762.4	1485.7	1232.9	1015.5	892.0
37.5°	1476.6	1632.4	1790.8	1920.8	1916.7	1754.2	1464.9	1179.3	966.9	838.3	750.3
40°	1405.5	1563.0	1734.2	1844.0	1797.1	1585.4	1272.0	1002.5	847.3	744.7	680.4
42.5°	1337.4	1495.4	1665.5	1752.7	1671.0	1410.9	1098.6	887.5	759.4	679.4	627.3
45°	1221.3	1388.2	1545.7	1594.0	1448.1	1161.4	888.4	735.3	650.1	590.8	554.7
47.5°	1108.0	1272.1	1415.8	1416.6	1219.4	941.9	749.4	636.3	563.5	517.7	491.4
50°	1038.6	1194.7	1315.2	1296.5	1072.6	837.8	670.2	572.8	512.1	476.7	449.2
52.5°	960.6	1112.0	1216.4	1163.0	948.4	737.3	599.2	517.3	467.0	436.2	411.7
55°	847.3	981.6	1055.3	974.3	773.5	613.2	506.3	442.1	404.4	378.4	357.5
57.5°	735.8	846.7	893.1	798.8	637.2	508.5	428.3	380.0	342.8	324.1	313.3
60°	665.9	760.5	793.1	689.1	554.0	444.9	379.2	334.4	307.0	294.7	283.9
62.5°	597.2	674.5	687.9	592.6	483.0	389.5	333.0	295.1	276.9	265.2	255.0
65°	495.5	551.1	544.6	468.1	382.1	309.2	268.0	244.9	231.1	214.5	196.4
67.5°	407.9	441.9	421.4	364.0	291.6	240.3	213.4	195.9	178.8	163.1	158.9
70°	352.5	371.9	350.3	297.6	239.0	201.5	179.8	158.9	148.8	145.2	138.6
72.5°	299.4	306.1	282.7	237.5	194.5	166.8	145.7	134.0	128.6	125.5	121.3
75°	224.6	219.6	199.3	164.0	135.1	116.3	109.8	105.5	101.8	99.0	96.8
77.5°	157.8	150.3	132.3	109.2	94.1	85.1	81.2	78.9	77.1	75.7	73.5
80°	118.5	113.4	95.4	78.0	71.5	67.2	65.0	62.1	62.1	60.7	58.5
82.5°	86.7	81.1	65.3	57.2	53.6	51.0	49.4	47.7	47.1	47.4	45.8
85°	45.5	36.9	32.5	31.1	28.9	27.4	28.2	26.8	26.8	26.8	26.0
87.5°	14.3	11.8	11.5	11.3	12.2	12.3	12.1	12.3	13.1	12.6	13.4
90°	2.4	4.0	5.7	7.3	8.7	9.9	11.1	12.3	13.5	14.2	15.0
92.5°	13.5	13.3	13.2	13.0	13.3	13.9	14.4	15.1	15.6	16.0	16.4
95°	38.9	33.9	29.0	24.0	22.1	23.2	24.2	25.3	26.3	27.1	27.8
97.5°	73.0	59.1	45.1	31.2	25.4	27.9	30.3	32.8	35.2	35.8	36.4
100°	98.8	78.3	57.8	37.2	28.3	30.8	33.4	35.9	38.5	39.6	40.8
102.5°	150.6	146.3	141.9	137.5	124.7	103.4	82.1	60.8	39.5	41.1	42.6
105°	209.4	214.0	218.5	222.9	204.7	163.8	122.9	82.0	41.1	42.8	44.4
107.5°	265.6	269.3	272.9	276.5	253.8	204.7	155.7	106.6	57.6	55.9	54.2
110°	301.8	305.0	308.1	311.2	291.2	247.9	204.6	161.3	118.0	103.0	88.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	336.0	338.7	341.6	344.3	340.4	329.7	319.0	308.3	297.6	243.0	188.3
115°	390.2	392.8	395.3	397.8	401.1	404.7	408.5	412.3	416.0	346.7	277.3
117.5°	439.2	442.1	444.9	447.7	450.4	453.1	455.6	458.2	460.8	444.0	427.3
120°	474.2	476.5	478.7	481.0	483.4	486.2	488.8	491.5	494.2	496.0	497.9
122.5°	504.5	506.9	509.3	511.6	514.3	517.3	520.2	523.1	526.0	527.1	528.2
125°	550.1	552.0	554.0	555.9	558.4	561.2	564.0	566.8	569.8	570.8	571.8
127.5°	592.0	594.2	596.3	598.4	600.6	602.8	604.8	607.0	609.1	610.7	612.2
130°	618.7	621.0	623.4	625.8	627.8	629.5	631.1	632.8	634.4	636.1	637.7
132.5°	645.3	647.3	649.3	651.4	653.2	654.9	656.5	658.2	659.8	661.2	662.6
135°	680.7	683.1	685.5	687.9	689.8	691.1	692.4	693.8	695.1	696.6	698.1
137.5°	715.4	717.1	718.8	720.5	722.1	723.6	725.1	726.6	728.2	729.6	731.1
140°	738.1	739.3	740.6	741.7	743.2	744.8	746.5	748.1	749.8	751.1	752.4
142.5°	757.4	758.6	759.6	760.6	762.1	764.0	765.9	767.8	769.7	770.9	772.1
145°	786.6	786.6	786.4	786.3	787.4	789.9	792.5	795.0	797.6	798.7	799.7
147.5°	812.8	812.3	811.7	811.2	812.1	814.6	817.1	819.6	822.2	822.9	823.7
150°	829.6	828.6	827.6	826.4	827.2	829.5	831.9	834.3	836.7	837.6	838.5
152.5°	844.0	842.9	841.7	840.6	841.1	843.4	845.6	847.9	850.2	851.1	852.0
155°	865.1	863.7	862.3	861.0	861.2	863.0	864.8	866.6	868.4	869.3	870.2
157.5°	881.8	880.7	879.6	878.4	878.4	879.8	881.0	882.2	883.5	884.6	885.5
160°	891.7	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7	893.6	894.5
162.5°	900.4	899.6	898.6	897.7	897.7	898.4	899.2	900.0	900.8	901.8	902.8
165°	912.0	911.2	910.2	909.3	909.1	909.6	910.0	910.4	910.9	911.9	912.9
167.5°	920.7	919.7	918.9	917.9	917.7	918.1	918.5	919.0	919.4	920.4	921.5
170°	925.5	924.6	923.7	922.8	922.5	922.8	923.1	923.4	923.7	924.7	925.8
172.5°	928.7	927.8	926.9	926.0	925.8	926.0	926.3	926.6	926.9	928.0	929.1
175°	932.7	931.7	930.7	929.6	929.3	929.5	929.8	930.1	930.5	931.5	932.6
177.5°	933.7	932.8	932.0	931.1	930.8	930.9	931.0	931.1	931.2	932.1	932.9
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2151.5	2159.0	2162.5	2162.5	2166.5	2164.8	2163.0
5°	2275.2	2288.9	2291.8	2304.8	2314.1	2311.3	2312.7
7.5°	2398.1	2420.2	2442.0	2452.0	2453.5	2459.4	2461.5
10°	2473.8	2491.9	2525.8	2520.7	2546.0	2560.5	2536.7
12.5°	2546.6	2571.0	2594.5	2601.0	2615.4	2620.0	2610.6
15°	2612.4	2625.5	2627.0	2623.3	2627.6	2624.0	2610.3
17.5°	2550.9	2529.9	2487.1	2466.8	2450.8	2427.1	2417.6
20°	2449.2	2387.1	2314.9	2286.0	2252.0	2185.6	2201.5
22.5°	2229.7	2158.9	2086.7	2002.3	1962.0	1899.0	1895.3
25°	1888.0	1765.9	1631.6	1537.8	1482.8	1420.0	1392.5
27.5°	1467.9	1314.3	1204.2	1148.4	1097.7	1047.9	1045.8
30°	1191.8	1076.2	991.0	943.3	912.2	891.3	895.6
32.5°	1004.6	925.4	867.9	828.3	805.3	789.6	789.3
35°	821.2	767.0	730.2	713.6	697.0	685.4	686.2
37.5°	702.8	670.2	649.8	631.4	621.0	615.4	612.2
40°	642.1	615.4	599.5	588.6	579.9	572.0	570.6
42.5°	594.2	572.0	556.2	547.6	539.5	534.0	532.4
45°	527.3	509.2	494.7	485.4	481.7	476.7	476.7
47.5°	469.0	451.3	440.0	434.1	427.9	424.5	424.4
50°	429.8	416.0	406.0	402.3	397.3	395.1	394.4
52.5°	394.5	384.3	377.0	374.6	372.4	369.7	370.1
55°	346.7	340.9	338.0	335.8	332.2	327.9	330.8
57.5°	306.4	301.5	293.7	286.9	283.6	280.5	281.7
60°	278.1	268.0	257.9	249.9	247.7	241.2	241.2
62.5°	242.2	228.1	215.7	211.2	209.1	206.0	205.4
65°	186.3	180.6	177.7	174.7	173.3	173.3	171.9
67.5°	154.4	152.1	148.9	148.2	146.8	146.4	145.9
70°	136.5	133.7	132.1	131.5	130.0	130.7	128.6
72.5°	119.1	116.9	116.6	114.7	113.9	114.0	112.4
75°	93.9	93.9	93.2	92.5	91.0	90.3	91.0
77.5°	72.2	72.4	71.1	71.0	70.8	71.0	70.2
80°	57.8	58.5	57.8	57.0	56.4	57.0	56.4
82.5°	45.6	44.7	44.5	44.4	44.2	43.7	43.6
85°	26.0	26.8	26.0	25.3	25.3	25.3	26.0
87.5°	13.0	13.1	13.2	13.3	13.4	13.4	12.9
90°	15.7	16.5	17.0	17.3	17.6	17.9	18.2
92.5°	16.8	17.2	17.5	17.6	17.8	18.0	18.2
95°	28.6	29.3	29.6	29.4	29.3	29.1	29.0
97.5°	36.9	37.6	38.0	38.2	38.4	38.5	38.7
100°	42.0	43.3	44.0	44.3	44.6	44.9	45.1
102.5°	44.2	45.7	46.8	47.1	47.6	48.0	48.4
105°	46.1	47.7	48.8	49.5	50.0	50.6	51.3
107.5°	52.5	50.9	50.3	50.9	51.6	52.1	52.7
110°	73.0	58.1	50.9	51.5	52.0	52.7	53.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.7	79.0	51.8	52.4	52.9	53.3	53.8
115°	207.9	138.6	98.4	87.7	76.8	66.1	55.3
117.5°	410.4	393.6	367.5	332.1	296.6	261.2	225.7
120°	499.6	501.4	492.2	471.9	451.8	431.5	411.3
122.5°	529.2	530.4	529.0	525.0	521.0	517.2	513.2
125°	572.9	573.9	574.7	575.1	575.6	576.0	576.5
127.5°	613.7	615.2	616.0	616.1	616.2	616.3	616.4
130°	639.4	641.0	641.8	641.7	641.5	641.3	641.2
132.5°	664.0	665.4	666.1	665.9	665.8	665.6	665.4
135°	699.6	701.2	701.7	701.4	701.2	700.8	700.5
137.5°	732.5	734.1	734.5	734.1	733.5	733.0	732.4
140°	753.8	755.2	755.4	754.7	753.9	753.2	752.4
142.5°	773.4	774.6	774.9	774.1	773.4	772.6	771.8
145°	800.8	801.8	801.9	801.3	800.5	799.7	799.0
147.5°	824.5	825.3	825.4	824.7	824.1	823.5	822.8
150°	839.4	840.3	840.4	839.6	838.9	838.1	837.4
152.5°	852.9	853.8	853.8	852.8	851.8	850.8	849.8
155°	871.1	872.0	871.9	870.6	869.5	868.3	867.0
157.5°	886.6	887.6	887.5	886.4	885.1	884.0	882.9
160°	895.4	896.3	896.2	895.1	894.1	893.1	892.0
162.5°	903.8	904.8	904.7	903.4	902.1	900.9	899.6
165°	914.1	915.1	915.1	914.1	912.9	911.9	910.9
167.5°	922.6	923.6	923.4	922.1	920.8	919.4	918.0
170°	926.8	927.9	927.7	926.4	925.0	923.7	922.4
172.5°	930.1	931.1	930.9	929.6	928.3	926.9	925.6
175°	933.6	934.6	934.4	932.9	931.4	929.9	928.4
177.5°	933.8	934.6	934.5	933.4	932.4	931.2	930.2
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8

(END OF REPORT)