

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: P331743

Luminaire Tested: **S122RDIP-S1005D530U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331743
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-S1005D530U835-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 530 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5877.7 lumens
Efficiency: N/A
Efficacy: 106.7 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: Semi-Direct

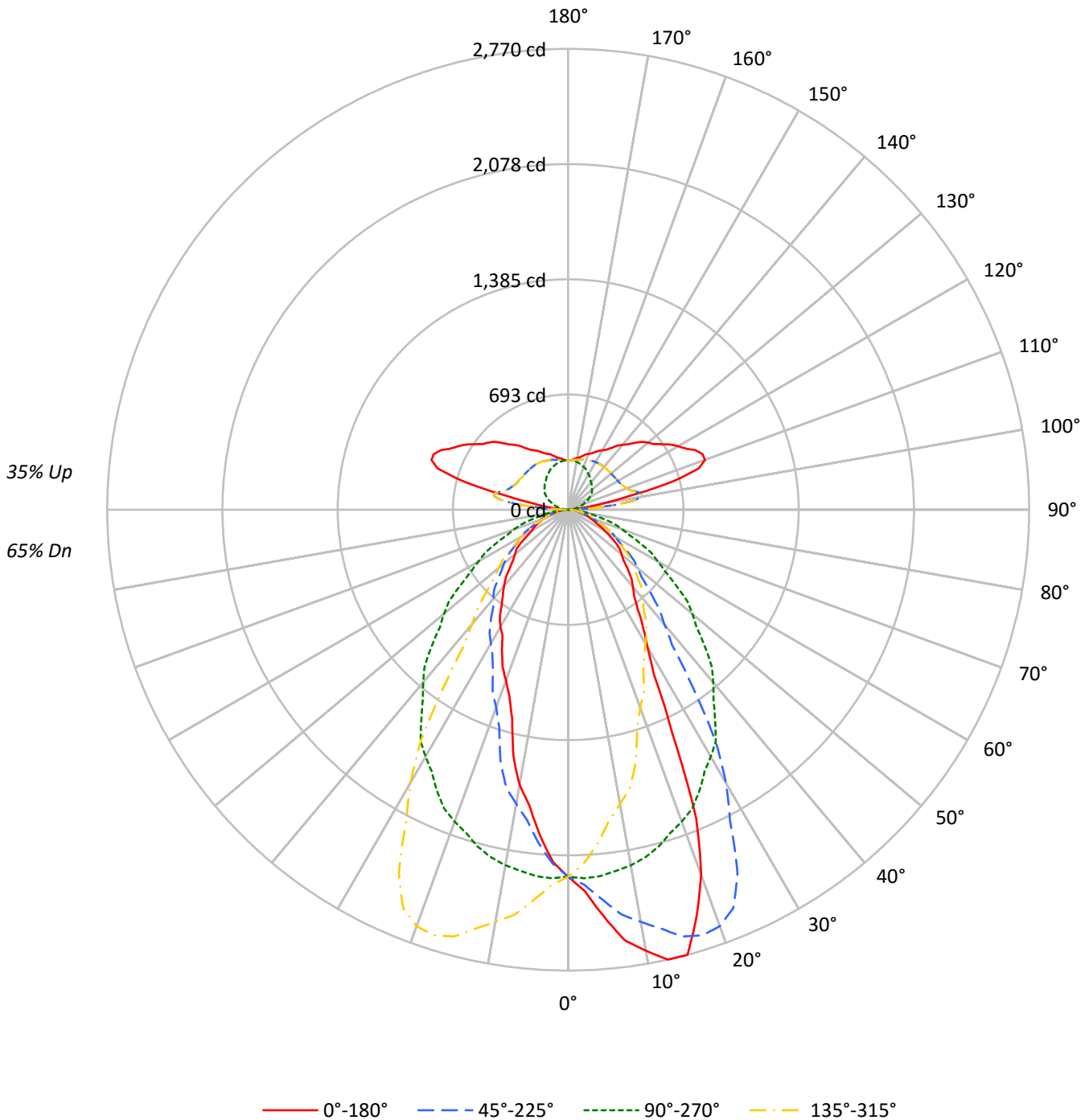
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	102	98	94	91	96	92	89	86	82	80	77	72	70	69	63	62	61	57
2	94	87	81	76	88	82	77	73	73	69	66	65	62	59	57	55	53	49
3	86	77	70	65	81	73	67	62	65	61	57	58	55	51	52	49	46	43
4	80	69	62	56	75	66	59	54	59	54	49	53	49	45	47	44	41	38
5	74	63	55	49	69	59	52	47	54	48	44	48	44	40	43	39	37	34
6	68	57	49	43	64	54	47	42	49	43	39	44	39	36	39	36	33	30
7	64	52	44	39	60	49	42	37	45	39	35	40	36	32	36	33	30	27
8	59	47	40	35	56	45	38	34	41	36	31	37	33	29	34	30	27	25
9	56	44	36	32	52	42	35	31	38	33	29	35	30	27	31	28	25	23
10	52	40	33	29	49	39	32	28	35	30	26	32	28	25	29	26	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35608	35608	35608	35608
5°	39768	35832	31770	35832
10°	44124	35580	27539	35580
15°	46292	35059	21698	35059
20°	40132	34287	18777	34287
25°	26320	33228	16764	33228
30°	17715	31946	15172	31946
35°	14349	30328	13685	30328
40°	12760	28572	12663	28572
45°	11549	26510	11303	26510
50°	10510	24465	10472	24465
55°	9880	22196	9751	22196
60°	8263	20118	8167	20118
65°	6968	18269	7904	18269
70°	6439	16315	7454	16315
75°	6026	14198	6881	14198
80°	5560	11688	6127	11688
85°	5113	9226	5391	9226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	3.6
10°-20°	582.5	9.9
20°-30°	750.7	12.8
30°-40°	713.4	12.1
40°-50°	611.1	10.4
50°-60°	465.4	7.9
60°-70°	294.2	5.0
70°-80°	146.9	2.5
80°-90°	40.9	0.7
90°-100°	118.6	2.0
100°-110°	402.4	6.8
110°-120°	427.5	7.3
120°-130°	351.9	6.0
130°-140°	282.6	4.8
140°-150°	213.5	3.6
150°-160°	150.1	2.6
160°-170°	88.3	1.5
170°-180°	28.8	0.5
0°-30°	1542.3	26.2
0°-40°	2255.7	38.4
0°-60°	3332.1	56.7
0°-90°	3814.2	64.9
90°-120°	948.4	16.1
90°-150°	1796.4	30.6
90°-180°	2064.0	35.1
0°-180°	5877.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2205	2205	2205	2205	2205	
5°	2454	2211	1960	2211	2454	242
15°	2769	2097	1298	2097	2769	747
25°	1477	1865	941	1865	1477	701
35°	728	1539	694	1539	728	466
45°	506	1161	495	1161	506	391
55°	351	788	346	788	351	308
65°	182	478	207	478	182	186
75°	97	228	110	228	97	102
85°	28	50	29	50	28	30
90°	19	1	19	1	19	11
95°	65	20	65	20	65	85
105°	643	70	643	70	643	622
115°	846	123	846	123	846	828
125°	686	171	686	171	686	620
135°	569	201	569	201	569	442
145°	454	229	454	229	454	288
155°	382	261	382	261	382	178
165°	335	284	335	284	335	96
175°	302	296	302	296	302	29
180°	296	296	296	296	296	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2294.9	2296.8	2298.6	2294.3	2294.3	2290.6	2282.7	2276.5	2259.4	2256.9	2256.9
5°	2453.7	2452.2	2455.2	2445.3	2431.5	2428.4	2413.9	2394.7	2374.8	2352.6	2348.0
7.5°	2611.6	2609.3	2603.1	2601.5	2590.9	2567.7	2544.3	2519.3	2486.2	2453.9	2437.6
10°	2691.3	2716.6	2701.2	2674.4	2679.8	2643.8	2624.6	2591.7	2564.1	2515.8	2505.1
12.5°	2769.7	2779.7	2774.8	2759.6	2752.7	2727.7	2701.8	2673.2	2622.3	2578.9	2541.2
15°	2769.4	2784.0	2787.8	2783.2	2787.1	2785.5	2771.7	2748.0	2703.5	2656.0	2614.6
17.5°	2565.0	2575.1	2600.2	2617.2	2638.7	2684.1	2706.4	2715.2	2708.6	2681.5	2652.3
20°	2335.7	2318.8	2389.3	2425.4	2456.0	2532.6	2598.5	2623.8	2664.4	2663.7	2656.0
22.5°	2010.8	2014.8	2081.6	2124.4	2213.9	2290.5	2365.6	2460.8	2539.4	2591.3	2621.7
25°	1477.4	1506.6	1573.2	1631.5	1731.1	1873.6	2003.1	2153.3	2295.1	2407.0	2513.5
27.5°	1109.6	1111.8	1164.6	1218.4	1277.6	1394.4	1557.4	1736.8	1938.9	2105.7	2297.5
30°	950.2	945.6	967.8	1000.8	1051.4	1141.8	1264.4	1440.7	1642.2	1893.5	2117.3
32.5°	837.4	837.7	854.4	878.8	920.8	981.8	1065.8	1208.9	1399.4	1646.5	1908.9
35°	728.0	727.2	739.5	757.1	774.7	813.8	871.3	946.4	1077.4	1308.1	1576.3
37.5°	649.5	652.9	658.9	669.9	689.4	711.1	745.6	796.0	889.4	1025.8	1251.2
40°	605.4	606.9	615.3	624.5	636.0	652.9	681.2	721.9	790.1	898.9	1063.6
42.5°	564.9	566.5	572.4	581.0	590.1	606.9	630.4	665.5	720.8	805.7	941.6
45°	505.8	505.8	511.1	515.0	524.9	540.2	559.4	588.5	626.8	689.7	780.1
47.5°	450.3	450.4	454.0	460.6	466.8	478.8	497.6	521.4	549.3	597.9	675.1
50°	418.4	419.2	421.5	426.8	430.7	441.4	456.0	476.6	505.8	543.3	607.7
52.5°	392.7	392.2	395.1	397.4	400.0	407.7	418.6	436.8	462.8	495.5	548.8
55°	351.0	347.9	352.5	356.3	358.6	361.7	367.8	379.3	401.5	429.1	469.0
57.5°	298.9	297.6	300.9	304.4	311.6	319.9	325.1	332.4	343.9	363.7	403.2
60°	255.9	255.9	262.8	265.1	273.6	284.3	295.0	301.2	312.7	325.7	354.8
62.5°	217.9	218.6	221.8	224.1	228.8	242.0	257.0	270.5	281.4	293.8	313.1
65°	182.4	183.9	183.9	185.4	188.5	191.6	197.7	208.4	227.6	245.2	259.8
67.5°	154.8	155.3	155.7	157.2	158.0	161.4	163.8	168.6	173.0	189.7	207.8
70°	136.4	138.7	137.9	139.5	140.2	141.8	144.8	147.1	154.0	157.9	168.6
72.5°	119.2	120.9	120.8	121.7	123.7	124.0	126.4	128.7	133.2	136.4	142.2
75°	96.6	95.8	96.6	98.1	98.9	99.6	99.6	102.7	105.0	108.0	111.9
77.5°	74.5	75.3	75.1	75.3	75.4	76.8	76.6	78.0	80.3	81.8	83.7
80°	59.8	60.5	59.8	60.5	61.3	62.1	61.3	62.1	64.4	65.9	65.9
82.5°	46.3	46.4	46.9	47.1	47.2	47.4	48.4	48.6	50.3	50.0	50.6
85°	27.6	26.8	26.8	26.8	27.6	28.4	27.6	27.6	28.4	28.4	28.4
87.5°	13.6	14.2	14.2	14.2	14.2	14.1	13.8	14.7	14.2	14.9	14.2
90°	18.8	18.8	18.8	18.8	18.8	18.2	17.1	18.2	18.8	19.4	18.8
92.5°	31.6	32.5	32.1	33.9	34.3	37.9	42.7	49.7	62.6	74.1	73.1
95°	65.0	64.4	66.2	70.7	78.1	90.7	114.6	149.4	195.6	223.6	197.9
97.5°	128.0	132.8	141.1	155.1	182.4	223.6	285.3	348.7	400.3	381.6	287.4
100°	204.2	214.4	231.0	255.5	302.8	371.8	450.0	520.7	532.6	450.5	310.2
102.5°	359.3	373.2	393.8	435.7	487.1	560.3	617.4	633.4	581.9	452.8	301.6
105°	642.7	650.7	675.2	710.6	745.9	764.8	757.3	692.9	574.3	422.6	284.6
107.5°	821.0	831.6	836.5	838.4	834.0	806.4	747.1	650.0	524.2	390.2	276.1
110°	874.8	875.4	870.3	859.4	834.9	788.1	715.1	613.1	492.7	374.7	274.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	873.9	870.8	861.1	843.0	808.9	755.3	677.3	579.3	470.8	364.6	274.8
115°	845.7	840.6	825.8	799.5	759.1	700.3	625.6	537.8	443.7	353.6	277.2
117.5°	795.4	791.1	775.5	747.8	706.5	651.4	583.6	506.5	426.6	348.2	281.3
120°	763.0	757.3	740.8	714.0	674.1	622.2	561.7	491.0	417.5	345.0	284.0
122.5°	729.3	724.5	709.8	683.4	647.6	600.7	543.5	478.7	409.7	343.2	287.2
125°	686.1	681.5	667.2	645.6	612.5	569.7	519.5	460.8	398.6	339.9	292.0
127.5°	648.2	644.5	632.2	611.9	583.1	543.6	496.3	443.1	388.4	338.0	296.9
130°	626.7	622.2	610.8	591.4	563.4	525.8	480.8	431.7	381.5	337.0	300.5
132.5°	604.4	600.3	589.8	570.4	542.9	507.6	466.2	420.8	376.0	336.6	304.2
135°	568.6	566.3	556.0	537.2	512.7	480.8	443.1	405.5	368.4	335.9	308.5
137.5°	533.4	530.0	521.0	504.8	482.5	454.6	424.8	393.3	363.0	335.8	312.4
140°	509.3	505.8	497.3	482.5	464.2	439.1	412.9	385.5	359.9	335.3	314.2
142.5°	485.1	484.4	476.8	463.3	446.0	425.0	402.4	379.1	356.7	335.3	315.6
145°	453.9	452.2	446.5	436.8	423.2	406.6	388.9	370.1	352.4	334.2	317.1
147.5°	427.8	426.8	422.9	415.2	403.9	391.8	378.0	363.2	348.1	332.1	317.5
150°	412.3	411.7	408.3	401.5	392.9	382.7	370.7	358.1	344.5	330.8	317.1
152.5°	399.1	399.0	396.5	390.5	383.8	374.9	364.8	353.1	341.3	328.5	316.2
155°	381.5	382.7	380.4	376.4	370.1	363.8	355.3	346.2	335.3	324.5	314.8
157.5°	366.6	366.6	365.6	362.2	357.8	352.9	345.7	338.1	329.7	320.4	312.2
160°	357.0	357.0	356.4	353.6	349.6	345.6	339.3	333.0	325.6	317.7	310.8
162.5°	347.9	348.3	347.8	345.8	341.8	338.8	333.4	328.0	322.0	315.4	309.4
165°	334.8	335.3	335.3	333.0	330.8	328.5	324.5	320.5	315.9	310.8	306.8
167.5°	322.7	323.4	323.5	322.2	321.2	319.1	316.4	313.3	310.0	306.8	304.2
170°	315.4	316.5	317.1	315.4	314.8	313.7	311.4	309.7	306.8	304.5	302.8
172.5°	309.4	310.1	310.7	309.9	309.3	308.6	306.8	305.6	303.6	301.8	301.0
175°	301.7	302.8	303.4	302.8	302.8	302.3	301.7	301.1	299.4	298.8	298.3
177.5°	297.0	297.9	298.4	298.4	298.4	298.4	297.9	297.9	297.0	296.5	297.0
180°	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2258.2	2253.2	2249.0	2237.9	2232.4	2220.1	2218.3	2217.7	2201.8	2186.4	2182.1
5°	2335.7	2323.4	2305.1	2283.6	2261.4	2238.4	2223.1	2210.8	2180.1	2151.0	2134.2
7.5°	2413.9	2387.5	2355.8	2315.2	2281.3	2243.3	2215.1	2189.8	2146.3	2104.6	2076.5
10°	2472.1	2429.2	2387.0	2331.1	2287.4	2244.5	2204.7	2170.2	2121.1	2066.0	2026.9
12.5°	2508.3	2461.1	2403.0	2348.3	2291.7	2237.2	2183.8	2139.5	2081.9	2024.9	1978.5
15°	2557.2	2506.6	2436.1	2357.9	2285.1	2213.9	2152.6	2097.4	2022.3	1954.1	1897.4
17.5°	2597.2	2527.6	2451.9	2361.5	2277.2	2186.6	2107.7	2037.2	1953.6	1871.3	1804.5
20°	2610.0	2541.1	2453.7	2363.3	2263.7	2157.2	2072.1	1995.5	1905.8	1816.1	1739.5
22.5°	2602.1	2548.4	2451.3	2343.1	2241.0	2129.6	2033.5	1944.6	1845.1	1753.6	1664.7
25°	2548.0	2529.6	2437.6	2319.6	2203.1	2073.6	1962.5	1865.2	1751.8	1653.7	1557.1
27.5°	2421.8	2461.5	2404.5	2278.8	2149.3	2010.5	1885.6	1774.8	1657.1	1546.7	1450.5
30°	2300.5	2391.6	2367.1	2250.6	2105.8	1969.4	1829.2	1713.5	1587.8	1474.4	1379.4
32.5°	2134.3	2285.0	2308.9	2211.4	2061.7	1911.8	1764.8	1649.7	1518.5	1399.0	1306.4
35°	1869.8	2095.1	2198.5	2136.5	1986.3	1824.6	1672.8	1538.7	1406.9	1288.9	1197.0
37.5°	1554.2	1861.1	2033.5	2037.9	1900.0	1731.9	1566.6	1433.5	1298.6	1182.7	1083.3
40°	1349.5	1682.0	1906.6	1956.4	1839.9	1658.3	1491.2	1355.6	1223.8	1110.4	996.2
42.5°	1165.6	1496.9	1772.9	1859.5	1767.0	1586.6	1418.9	1277.1	1149.0	1041.7	925.1
45°	942.6	1232.2	1536.4	1691.2	1639.9	1472.8	1295.8	1161.0	1040.6	947.9	836.0
47.5°	795.1	999.3	1293.7	1503.0	1502.1	1349.6	1175.5	1046.3	934.7	847.8	757.3
50°	711.1	888.9	1138.0	1375.5	1395.4	1267.5	1101.9	974.0	869.8	778.6	705.8
52.5°	635.7	782.2	1006.2	1233.9	1290.6	1179.8	1019.2	901.0	799.9	716.0	653.7
55°	537.2	650.6	820.7	1033.7	1119.6	1041.4	898.9	788.5	706.5	636.0	582.4
57.5°	454.4	539.5	676.0	847.5	947.5	898.3	780.7	691.1	620.9	557.1	514.8
60°	402.3	472.0	587.8	731.1	841.4	806.9	706.5	623.0	563.2	508.1	468.2
62.5°	353.3	413.2	512.4	628.7	729.8	715.6	633.6	563.5	511.1	460.9	427.1
65°	284.3	328.0	405.4	496.6	577.8	584.7	525.7	478.2	431.4	391.6	361.7
67.5°	226.4	254.9	309.4	386.2	447.1	468.8	432.8	396.5	359.4	328.6	302.7
70°	190.8	213.8	253.6	315.7	371.7	394.6	374.0	345.6	313.4	288.1	265.9
72.5°	154.6	177.0	206.4	252.0	299.9	324.8	317.6	297.2	271.1	250.1	229.1
75°	116.5	123.4	143.3	174.0	211.5	233.0	238.3	227.6	206.9	190.8	178.5
77.5°	86.1	90.3	99.8	115.9	140.4	159.5	167.4	166.1	151.9	142.5	131.0
80°	69.0	71.3	75.9	82.8	101.2	120.3	125.7	125.7	115.7	111.9	100.4
82.5°	52.4	54.1	56.9	60.7	69.3	86.0	92.0	93.2	86.9	81.8	72.8
85°	29.9	29.1	30.7	33.0	34.5	39.1	48.3	49.8	48.3	42.1	39.8
87.5°	13.5	13.3	12.7	11.8	12.2	12.6	15.2	17.9	15.8	14.4	13.4
90°	15.4	11.4	8.6	6.8	5.7	4.6	2.3	0.6	2.3	4.6	5.7
92.5°	56.9	38.8	25.9	20.5	16.7	14.1	10.0	7.0	10.0	14.1	16.7
95°	131.7	82.1	55.9	42.2	33.1	27.9	22.2	20.0	22.2	27.9	33.1
97.5°	177.5	108.4	75.4	59.9	49.4	41.6	35.6	32.5	35.6	41.6	49.4
100°	187.1	117.5	87.3	71.3	59.9	50.8	45.6	43.9	45.6	50.8	59.9
102.5°	187.5	125.7	97.7	81.8	69.9	60.8	55.7	54.4	55.7	60.8	69.9
105°	190.5	139.7	112.9	96.9	84.4	75.8	71.9	69.6	71.9	75.8	84.4
107.5°	198.3	154.1	128.1	112.0	99.6	91.7	87.8	86.0	87.8	91.7	99.6
110°	204.7	163.7	138.6	122.0	110.1	102.7	99.2	96.9	99.2	102.7	110.1



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	211.6	172.8	148.6	131.6	120.1	113.1	109.3	107.0	109.3	113.1	120.1
115°	221.8	187.1	162.5	147.1	135.7	128.9	125.5	122.6	125.5	128.9	135.7
117.5°	232.8	200.2	177.5	161.5	150.6	144.5	141.1	138.8	141.1	144.5	150.6
120°	240.1	209.3	187.1	171.1	159.7	154.5	151.1	148.8	151.1	154.5	159.7
122.5°	246.5	218.0	197.1	180.7	169.3	163.7	160.3	158.4	160.3	163.7	169.3
125°	256.6	231.0	210.4	194.5	183.1	176.2	172.8	171.1	172.8	176.2	183.1
127.5°	266.1	243.1	223.1	206.7	195.7	188.2	183.4	181.1	183.4	188.2	195.7
130°	272.0	250.4	230.4	214.4	203.0	195.0	189.3	187.1	189.3	195.0	203.0
132.5°	278.0	256.7	237.7	221.7	209.9	201.4	195.3	192.5	195.3	201.4	209.9
135°	285.7	265.8	247.5	231.5	218.4	209.9	203.0	200.7	203.0	209.9	218.4
137.5°	291.6	273.1	255.0	240.2	227.2	218.1	211.2	208.5	211.2	218.1	227.2
140°	294.8	277.2	260.1	245.2	232.7	223.6	216.7	214.4	216.7	223.6	232.7
142.5°	297.6	280.4	263.7	249.8	237.7	228.6	222.2	220.4	222.2	228.6	237.7
145°	301.1	285.1	269.7	257.2	245.8	237.2	231.5	229.3	231.5	237.2	245.8
147.5°	303.1	289.0	274.5	263.4	253.9	246.0	240.5	238.8	240.5	246.0	253.9
150°	304.0	290.8	277.7	267.5	258.9	251.5	246.9	245.2	246.9	251.5	258.9
152.5°	304.4	292.7	280.9	271.6	263.5	257.0	252.4	251.6	252.4	257.0	263.5
155°	305.1	295.4	285.7	277.2	270.9	264.6	261.2	260.6	261.2	264.6	270.9
157.5°	305.1	297.3	289.1	282.0	276.9	271.5	268.7	268.1	268.7	271.5	276.9
160°	305.1	298.3	291.4	285.1	280.6	276.0	273.7	273.2	273.7	276.0	280.6
162.5°	304.6	298.7	292.8	287.9	283.8	280.1	277.8	278.2	277.8	280.1	283.8
165°	303.4	299.4	294.3	290.8	288.0	284.6	283.4	284.0	283.4	284.6	288.0
167.5°	302.6	299.3	295.5	293.4	291.3	289.1	288.1	288.8	288.1	289.1	291.3
170°	301.7	298.8	296.0	294.3	293.1	291.4	290.8	292.0	290.8	291.4	293.1
172.5°	300.3	298.4	296.4	295.2	294.5	292.8	293.1	293.8	293.1	292.8	294.5
175°	298.8	297.7	296.5	296.0	296.0	294.8	295.4	296.0	295.4	294.8	296.0
177.5°	297.9	297.0	296.5	296.5	296.5	295.6	296.1	297.0	296.1	295.6	296.5
180°	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2174.2	2169.9	2161.9	2149.6	2142.3	2129.4	2120.8	2125.7	2127.0	2125.7	2124.5
5°	2115.8	2099.7	2077.5	2056.0	2036.1	2014.6	2002.4	1997.0	1986.3	1980.1	1977.1
7.5°	2045.1	2017.4	1986.0	1948.6	1916.8	1883.6	1866.6	1858.1	1836.2	1824.3	1813.8
10°	1992.4	1948.7	1917.3	1868.3	1838.4	1794.7	1764.8	1765.6	1735.7	1718.8	1706.6
12.5°	1934.2	1886.2	1833.9	1789.8	1748.3	1713.2	1677.1	1662.6	1630.9	1614.6	1581.5
15°	1837.6	1781.7	1726.5	1666.7	1624.6	1570.2	1518.1	1454.5	1403.1	1358.7	1346.4
17.5°	1732.2	1662.9	1607.6	1537.4	1465.2	1373.7	1313.3	1276.4	1245.4	1222.0	1204.5
20°	1659.8	1589.3	1530.3	1424.6	1327.2	1265.2	1220.7	1192.4	1160.2	1134.9	1121.1
22.5°	1583.8	1510.2	1429.8	1311.8	1235.9	1186.1	1146.5	1113.9	1092.1	1072.4	1059.8
25°	1475.9	1395.4	1262.9	1181.6	1120.3	1068.2	1040.6	1020.7	997.7	970.9	958.7
27.5°	1361.9	1233.9	1138.7	1078.3	1019.8	985.9	961.1	931.4	910.8	898.7	886.0
30°	1276.7	1148.7	1074.4	1008.5	967.1	929.5	900.4	883.6	863.6	842.9	834.5
32.5°	1181.6	1079.4	1008.2	953.3	911.3	879.3	856.3	829.0	814.6	801.9	784.2
35°	1063.6	986.2	921.1	876.7	836.8	810.8	783.9	767.8	741.8	731.1	724.2
37.5°	963.7	896.6	848.0	801.1	769.5	740.7	724.3	698.7	687.4	672.5	658.0
40°	907.3	841.4	794.7	756.3	721.1	699.6	678.9	658.3	641.4	634.5	616.9
42.5°	849.7	796.0	749.3	707.3	683.7	661.0	634.8	619.6	602.2	591.0	580.1
45°	770.1	722.6	682.8	648.3	622.2	598.5	581.6	556.3	546.4	524.2	515.0
47.5°	700.3	656.1	618.1	585.3	559.9	544.4	519.7	499.9	484.0	470.4	458.6
50°	650.6	613.8	577.0	547.9	524.9	502.7	477.4	467.4	442.9	436.0	429.1
52.5°	605.2	570.3	536.6	508.1	485.1	463.5	441.2	428.2	411.7	404.8	399.7
55°	541.8	508.1	475.9	450.6	427.6	405.4	391.6	375.5	367.8	362.5	356.3
57.5°	478.0	447.7	423.0	397.4	374.3	356.6	340.7	331.0	323.1	316.0	308.7
60°	437.6	408.4	386.2	362.5	338.7	324.1	311.9	300.4	291.2	280.5	277.4
62.5°	394.6	369.2	348.8	325.7	305.0	291.7	280.0	269.1	258.1	242.5	238.2
65°	335.6	315.7	294.3	275.1	256.7	243.7	226.8	214.6	210.0	208.4	207.7
67.5°	282.3	263.5	245.1	225.4	208.7	196.6	188.1	186.2	183.0	182.1	179.9
70°	246.8	229.1	210.7	192.3	176.3	174.0	170.9	167.8	164.0	162.5	160.9
72.5°	214.9	196.6	178.2	163.5	156.6	153.7	150.7	147.6	145.0	143.5	142.5
75°	164.8	147.9	135.6	130.3	126.4	124.1	119.5	117.2	115.7	113.4	112.6
77.5°	118.6	109.1	103.5	100.1	96.1	93.6	91.0	88.7	87.1	86.6	85.4
80°	90.4	85.8	82.0	77.4	75.9	72.8	72.0	69.7	70.5	68.2	68.2
82.5°	70.2	64.4	61.2	59.0	57.5	55.0	54.3	53.2	53.3	51.6	51.6
85°	36.0	34.5	33.0	31.4	31.4	29.1	29.9	29.1	29.1	27.6	26.8
87.5°	13.0	12.7	12.1	12.9	13.6	13.1	13.0	12.2	12.0	12.2	11.7
90°	6.8	8.6	11.4	15.4	18.8	19.4	18.8	18.2	17.1	18.2	18.8
92.5°	20.5	25.9	38.8	56.9	73.1	74.1	62.6	49.7	42.7	37.9	34.3
95°	42.2	55.9	82.1	131.7	197.9	223.6	195.6	149.4	114.6	90.7	78.1
97.5°	59.9	75.4	108.4	177.5	287.4	381.6	400.3	348.7	285.3	223.6	182.4
100°	71.3	87.3	117.5	187.1	310.2	450.5	532.6	520.7	450.0	371.8	302.8
102.5°	81.8	97.7	125.7	187.5	301.6	452.8	581.9	633.4	617.4	560.3	487.1
105°	96.9	112.9	139.7	190.5	284.6	422.6	574.3	692.9	757.3	764.8	745.9
107.5°	112.0	128.1	154.1	198.3	276.1	390.2	524.2	650.0	747.1	806.4	834.0
110°	122.0	138.6	163.7	204.7	274.3	374.7	492.7	613.1	715.1	788.1	834.9



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	131.6	148.6	172.8	211.6	274.8	364.6	470.8	579.3	677.3	755.3	808.9
115°	147.1	162.5	187.1	221.8	277.2	353.6	443.7	537.8	625.6	700.3	759.1
117.5°	161.5	177.5	200.2	232.8	281.3	348.2	426.6	506.5	583.6	651.4	706.5
120°	171.1	187.1	209.3	240.1	284.0	345.0	417.5	491.0	561.7	622.2	674.1
122.5°	180.7	197.1	218.0	246.5	287.2	343.2	409.7	478.7	543.5	600.7	647.6
125°	194.5	210.4	231.0	256.6	292.0	339.9	398.6	460.8	519.5	569.7	612.5
127.5°	206.7	223.1	243.1	266.1	296.9	338.0	388.4	443.1	496.3	543.6	583.1
130°	214.4	230.4	250.4	272.0	300.5	337.0	381.5	431.7	480.8	525.8	563.4
132.5°	221.7	237.7	256.7	278.0	304.2	336.6	376.0	420.8	466.2	507.6	542.9
135°	231.5	247.5	265.8	285.7	308.5	335.9	368.4	405.5	443.1	480.8	512.7
137.5°	240.2	255.0	273.1	291.6	312.4	335.8	363.0	393.3	424.8	454.6	482.5
140°	245.2	260.1	277.2	294.8	314.2	335.3	359.9	385.5	412.9	439.1	464.2
142.5°	249.8	263.7	280.4	297.6	315.6	335.3	356.7	379.1	402.4	425.0	446.0
145°	257.2	269.7	285.1	301.1	317.1	334.2	352.4	370.1	388.9	406.6	423.2
147.5°	263.4	274.5	289.0	303.1	317.5	332.1	348.1	363.2	378.0	391.8	403.9
150°	267.5	277.7	290.8	304.0	317.1	330.8	344.5	358.1	370.7	382.7	392.9
152.5°	271.6	280.9	292.7	304.4	316.2	328.5	341.3	353.1	364.8	374.9	383.8
155°	277.2	285.7	295.4	305.1	314.8	324.5	335.3	346.2	355.3	363.8	370.1
157.5°	282.0	289.1	297.3	305.1	312.2	320.4	329.7	338.1	345.7	352.9	357.8
160°	285.1	291.4	298.3	305.1	310.8	317.7	325.6	333.0	339.3	345.6	349.6
162.5°	287.9	292.8	298.7	304.6	309.4	315.4	322.0	328.0	333.4	338.8	341.8
165°	290.8	294.3	299.4	303.4	306.8	310.8	315.9	320.5	324.5	328.5	330.8
167.5°	293.4	295.5	299.3	302.6	304.2	306.8	310.0	313.3	316.4	319.1	321.2
170°	294.3	296.0	298.8	301.7	302.8	304.5	306.8	309.7	311.4	313.7	314.8
172.5°	295.2	296.4	298.4	300.3	301.0	301.8	303.6	305.6	306.8	308.6	309.3
175°	296.0	296.5	297.7	298.8	298.3	298.8	299.4	301.1	301.7	302.3	302.8
177.5°	296.5	296.5	297.0	297.9	297.0	296.5	297.0	297.9	297.9	298.4	298.4
180°	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2117.8	2119.0	2117.2	2118.4	2117.2	2119.0	2117.8	2124.5	2125.7	2127.0	2125.7
5°	1973.2	1964.0	1962.5	1960.2	1962.5	1964.0	1973.2	1977.1	1980.1	1986.3	1997.0
7.5°	1800.7	1799.3	1795.5	1790.1	1795.5	1799.3	1800.7	1813.8	1824.3	1836.2	1858.1
10°	1689.7	1685.9	1685.1	1679.7	1685.1	1685.9	1689.7	1706.6	1718.8	1735.7	1765.6
12.5°	1559.7	1535.1	1532.5	1519.1	1532.5	1535.1	1559.7	1581.5	1614.6	1630.9	1662.6
15°	1328.0	1323.4	1308.1	1298.1	1308.1	1323.4	1328.0	1346.4	1358.7	1403.1	1454.5
17.5°	1195.6	1180.6	1175.8	1173.7	1175.8	1180.6	1195.6	1204.5	1222.0	1245.4	1276.4
20°	1110.4	1096.6	1094.3	1092.8	1094.3	1096.6	1110.4	1121.1	1134.9	1160.2	1192.4
22.5°	1051.5	1037.1	1031.1	1026.5	1031.1	1037.1	1051.5	1059.8	1072.4	1092.1	1113.9
25°	951.0	945.6	942.6	941.0	942.6	945.6	951.0	958.7	970.9	997.7	1020.7
27.5°	872.4	860.6	858.3	854.3	858.3	860.6	872.4	886.0	898.7	910.8	931.4
30°	827.6	823.8	818.4	813.8	818.4	823.8	827.6	834.5	842.9	863.6	883.6
32.5°	774.9	771.7	766.9	764.8	766.9	771.7	774.9	784.2	801.9	814.6	829.0
35°	716.5	705.8	701.2	694.3	701.2	705.8	716.5	724.2	731.1	741.8	767.8
37.5°	654.7	649.1	642.6	644.9	642.6	649.1	654.7	658.0	672.5	687.4	698.7
40°	606.9	603.1	601.6	600.8	601.6	603.1	606.9	616.9	634.5	641.4	658.3
42.5°	568.9	558.3	554.3	554.2	554.3	558.3	568.9	580.1	591.0	602.2	619.6
45°	511.1	501.2	494.3	495.0	494.3	501.2	511.1	515.0	524.2	546.4	556.3
47.5°	452.0	451.7	447.4	448.7	447.4	451.7	452.0	458.6	470.4	484.0	499.9
50°	423.8	419.2	416.1	416.9	416.1	419.2	423.8	429.1	436.0	442.9	467.4
52.5°	396.8	392.8	390.4	393.6	390.4	392.8	396.8	399.7	404.8	411.7	428.2
55°	352.5	347.9	347.1	346.4	347.1	347.9	352.5	356.3	362.5	367.8	375.5
57.5°	303.0	299.9	295.3	293.3	295.3	299.9	303.0	308.7	316.0	323.1	331.0
60°	267.4	261.3	253.6	252.9	253.6	261.3	267.4	277.4	280.5	291.2	300.4
62.5°	234.9	233.7	232.2	232.0	232.2	233.7	234.9	238.2	242.5	258.1	269.1
65°	206.1	205.4	206.1	206.9	206.1	205.4	206.1	207.7	208.4	210.0	214.6
67.5°	179.6	178.2	176.9	177.5	176.9	178.2	179.6	179.9	182.1	183.0	186.2
70°	159.4	158.6	157.9	157.9	157.9	158.6	159.4	160.9	162.5	164.0	167.8
72.5°	139.8	139.6	138.9	138.2	138.9	139.6	139.8	142.5	143.5	145.0	147.6
75°	111.9	110.3	110.3	110.3	110.3	110.3	111.9	112.6	113.4	115.7	117.2
77.5°	85.2	84.4	83.7	83.1	83.7	84.4	85.2	85.4	86.6	87.1	88.7
80°	67.4	66.7	65.9	65.9	65.9	66.7	67.4	68.2	68.2	70.5	69.7
82.5°	51.5	50.7	50.6	50.0	50.6	50.7	51.5	51.6	51.6	53.3	53.2
85°	27.6	28.4	27.6	29.1	27.6	28.4	27.6	26.8	27.6	29.1	29.1
87.5°	11.7	11.1	11.7	11.1	11.7	11.1	11.7	11.7	12.2	12.0	12.2
90°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.2	17.1	18.2
92.5°	33.9	32.1	32.5	31.6	32.5	32.1	33.9	34.3	37.9	42.7	49.7
95°	70.7	66.2	64.4	65.0	64.4	66.2	70.7	78.1	90.7	114.6	149.4
97.5°	155.1	141.1	132.8	128.0	132.8	141.1	155.1	182.4	223.6	285.3	348.7
100°	255.5	231.0	214.4	204.2	214.4	231.0	255.5	302.8	371.8	450.0	520.7
102.5°	435.7	393.8	373.2	359.3	373.2	393.8	435.7	487.1	560.3	617.4	633.4
105°	710.6	675.2	650.7	642.7	650.7	675.2	710.6	745.9	764.8	757.3	692.9
107.5°	838.4	836.5	831.6	821.0	831.6	836.5	838.4	834.0	806.4	747.1	650.0
110°	859.4	870.3	875.4	874.8	875.4	870.3	859.4	834.9	788.1	715.1	613.1



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	843.0	861.1	870.8	873.9	870.8	861.1	843.0	808.9	755.3	677.3	579.3
115°	799.5	825.8	840.6	845.7	840.6	825.8	799.5	759.1	700.3	625.6	537.8
117.5°	747.8	775.5	791.1	795.4	791.1	775.5	747.8	706.5	651.4	583.6	506.5
120°	714.0	740.8	757.3	763.0	757.3	740.8	714.0	674.1	622.2	561.7	491.0
122.5°	683.4	709.8	724.5	729.3	724.5	709.8	683.4	647.6	600.7	543.5	478.7
125°	645.6	667.2	681.5	686.1	681.5	667.2	645.6	612.5	569.7	519.5	460.8
127.5°	611.9	632.2	644.5	648.2	644.5	632.2	611.9	583.1	543.6	496.3	443.1
130°	591.4	610.8	622.2	626.7	622.2	610.8	591.4	563.4	525.8	480.8	431.7
132.5°	570.4	589.8	600.3	604.4	600.3	589.8	570.4	542.9	507.6	466.2	420.8
135°	537.2	556.0	566.3	568.6	566.3	556.0	537.2	512.7	480.8	443.1	405.5
137.5°	504.8	521.0	530.0	533.4	530.0	521.0	504.8	482.5	454.6	424.8	393.3
140°	482.5	497.3	505.8	509.3	505.8	497.3	482.5	464.2	439.1	412.9	385.5
142.5°	463.3	476.8	484.4	485.1	484.4	476.8	463.3	446.0	425.0	402.4	379.1
145°	436.8	446.5	452.2	453.9	452.2	446.5	436.8	423.2	406.6	388.9	370.1
147.5°	415.2	422.9	426.8	427.8	426.8	422.9	415.2	403.9	391.8	378.0	363.2
150°	401.5	408.3	411.7	412.3	411.7	408.3	401.5	392.9	382.7	370.7	358.1
152.5°	390.5	396.5	399.0	399.1	399.0	396.5	390.5	383.8	374.9	364.8	353.1
155°	376.4	380.4	382.7	381.5	382.7	380.4	376.4	370.1	363.8	355.3	346.2
157.5°	362.2	365.6	366.6	366.6	366.6	365.6	362.2	357.8	352.9	345.7	338.1
160°	353.6	356.4	357.0	357.0	357.0	356.4	353.6	349.6	345.6	339.3	333.0
162.5°	345.8	347.8	348.3	347.9	348.3	347.8	345.8	341.8	338.8	333.4	328.0
165°	333.0	335.3	335.3	334.8	335.3	335.3	333.0	330.8	328.5	324.5	320.5
167.5°	322.2	323.5	323.4	322.7	323.4	323.5	322.2	321.2	319.1	316.4	313.3
170°	315.4	317.1	316.5	315.4	316.5	317.1	315.4	314.8	313.7	311.4	309.7
172.5°	309.9	310.7	310.1	309.4	310.1	310.7	309.9	309.3	308.6	306.8	305.6
175°	302.8	303.4	302.8	301.7	302.8	303.4	302.8	302.8	302.3	301.7	301.1
177.5°	298.4	298.4	297.9	297.0	297.9	298.4	298.4	298.4	298.4	297.9	297.9
180°	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2120.8	2129.4	2142.3	2149.6	2161.9	2169.9	2174.2	2182.1	2186.4	2201.8	2217.7
5°	2002.4	2014.6	2036.1	2056.0	2077.5	2099.7	2115.8	2134.2	2151.0	2180.1	2210.8
7.5°	1866.6	1883.6	1916.8	1948.6	1986.0	2017.4	2045.1	2076.5	2104.6	2146.3	2189.8
10°	1764.8	1794.7	1838.4	1868.3	1917.3	1948.7	1992.4	2026.9	2066.0	2121.1	2170.2
12.5°	1677.1	1713.2	1748.3	1789.8	1833.9	1886.2	1934.2	1978.5	2024.9	2081.9	2139.5
15°	1518.1	1570.2	1624.6	1666.7	1726.5	1781.7	1837.6	1897.4	1954.1	2022.3	2097.4
17.5°	1313.3	1373.7	1465.2	1537.4	1607.6	1662.9	1732.2	1804.5	1871.3	1953.6	2037.2
20°	1220.7	1265.2	1327.2	1424.6	1530.3	1589.3	1659.8	1739.5	1816.1	1905.8	1995.5
22.5°	1146.5	1186.1	1235.9	1311.8	1429.8	1510.2	1583.8	1664.7	1753.6	1845.1	1944.6
25°	1040.6	1068.2	1120.3	1181.6	1262.9	1395.4	1475.9	1557.1	1653.7	1751.8	1865.2
27.5°	961.1	985.9	1019.8	1078.3	1138.7	1233.9	1361.9	1450.5	1546.7	1657.1	1774.8
30°	900.4	929.5	967.1	1008.5	1074.4	1148.7	1276.7	1379.4	1474.4	1587.8	1713.5
32.5°	856.3	879.3	911.3	953.3	1008.2	1079.4	1181.6	1306.4	1399.0	1518.5	1649.7
35°	783.9	810.8	836.8	876.7	921.1	986.2	1063.6	1197.0	1288.9	1406.9	1538.7
37.5°	724.3	740.7	769.5	801.1	848.0	896.6	963.7	1083.3	1182.7	1298.6	1433.5
40°	678.9	699.6	721.1	756.3	794.7	841.4	907.3	996.2	1110.4	1223.8	1355.6
42.5°	634.8	661.0	683.7	707.3	749.3	796.0	849.7	925.1	1041.7	1149.0	1277.1
45°	581.6	598.5	622.2	648.3	682.8	722.6	770.1	836.0	947.9	1040.6	1161.0
47.5°	519.7	544.4	559.9	585.3	618.1	656.1	700.3	757.3	847.8	934.7	1046.3
50°	477.4	502.7	524.9	547.9	577.0	613.8	650.6	705.8	778.6	869.8	974.0
52.5°	441.2	463.5	485.1	508.1	536.6	570.3	605.2	653.7	716.0	799.9	901.0
55°	391.6	405.4	427.6	450.6	475.9	508.1	541.8	582.4	636.0	706.5	788.5
57.5°	340.7	356.6	374.3	397.4	423.0	447.7	478.0	514.8	557.1	620.9	691.1
60°	311.9	324.1	338.7	362.5	386.2	408.4	437.6	468.2	508.1	563.2	623.0
62.5°	280.0	291.7	305.0	325.7	348.8	369.2	394.6	427.1	460.9	511.1	563.5
65°	226.8	243.7	256.7	275.1	294.3	315.7	335.6	361.7	391.6	431.4	478.2
67.5°	188.1	196.6	208.7	225.4	245.1	263.5	282.3	302.7	328.6	359.4	396.5
70°	170.9	174.0	176.3	192.3	210.7	229.1	246.8	265.9	288.1	313.4	345.6
72.5°	150.7	153.7	156.6	163.5	178.2	196.6	214.9	229.1	250.1	271.1	297.2
75°	119.5	124.1	126.4	130.3	135.6	147.9	164.8	178.5	190.8	206.9	227.6
77.5°	91.0	93.6	96.1	100.1	103.5	109.1	118.6	131.0	142.5	151.9	166.1
80°	72.0	72.8	75.9	77.4	82.0	85.8	90.4	100.4	111.9	115.7	125.7
82.5°	54.3	55.0	57.5	59.0	61.2	64.4	70.2	72.8	81.8	86.9	93.2
85°	29.9	29.1	31.4	31.4	33.0	34.5	36.0	39.8	42.1	48.3	49.8
87.5°	13.0	13.1	13.6	12.9	12.1	12.7	13.0	13.4	14.4	15.8	17.9
90°	18.8	19.4	18.8	15.4	11.4	8.6	6.8	5.7	4.6	2.3	0.6
92.5°	62.6	74.1	73.1	56.9	38.8	25.9	20.5	16.7	14.1	10.0	7.0
95°	195.6	223.6	197.9	131.7	82.1	55.9	42.2	33.1	27.9	22.2	20.0
97.5°	400.3	381.6	287.4	177.5	108.4	75.4	59.9	49.4	41.6	35.6	32.5
100°	532.6	450.5	310.2	187.1	117.5	87.3	71.3	59.9	50.8	45.6	43.9
102.5°	581.9	452.8	301.6	187.5	125.7	97.7	81.8	69.9	60.8	55.7	54.4
105°	574.3	422.6	284.6	190.5	139.7	112.9	96.9	84.4	75.8	71.9	69.6
107.5°	524.2	390.2	276.1	198.3	154.1	128.1	112.0	99.6	91.7	87.8	86.0
110°	492.7	374.7	274.3	204.7	163.7	138.6	122.0	110.1	102.7	99.2	96.9



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	470.8	364.6	274.8	211.6	172.8	148.6	131.6	120.1	113.1	109.3	107.0
115°	443.7	353.6	277.2	221.8	187.1	162.5	147.1	135.7	128.9	125.5	122.6
117.5°	426.6	348.2	281.3	232.8	200.2	177.5	161.5	150.6	144.5	141.1	138.8
120°	417.5	345.0	284.0	240.1	209.3	187.1	171.1	159.7	154.5	151.1	148.8
122.5°	409.7	343.2	287.2	246.5	218.0	197.1	180.7	169.3	163.7	160.3	158.4
125°	398.6	339.9	292.0	256.6	231.0	210.4	194.5	183.1	176.2	172.8	171.1
127.5°	388.4	338.0	296.9	266.1	243.1	223.1	206.7	195.7	188.2	183.4	181.1
130°	381.5	337.0	300.5	272.0	250.4	230.4	214.4	203.0	195.0	189.3	187.1
132.5°	376.0	336.6	304.2	278.0	256.7	237.7	221.7	209.9	201.4	195.3	192.5
135°	368.4	335.9	308.5	285.7	265.8	247.5	231.5	218.4	209.9	203.0	200.7
137.5°	363.0	335.8	312.4	291.6	273.1	255.0	240.2	227.2	218.1	211.2	208.5
140°	359.9	335.3	314.2	294.8	277.2	260.1	245.2	232.7	223.6	216.7	214.4
142.5°	356.7	335.3	315.6	297.6	280.4	263.7	249.8	237.7	228.6	222.2	220.4
145°	352.4	334.2	317.1	301.1	285.1	269.7	257.2	245.8	237.2	231.5	229.3
147.5°	348.1	332.1	317.5	303.1	289.0	274.5	263.4	253.9	246.0	240.5	238.8
150°	344.5	330.8	317.1	304.0	290.8	277.7	267.5	258.9	251.5	246.9	245.2
152.5°	341.3	328.5	316.2	304.4	292.7	280.9	271.6	263.5	257.0	252.4	251.6
155°	335.3	324.5	314.8	305.1	295.4	285.7	277.2	270.9	264.6	261.2	260.6
157.5°	329.7	320.4	312.2	305.1	297.3	289.1	282.0	276.9	271.5	268.7	268.1
160°	325.6	317.7	310.8	305.1	298.3	291.4	285.1	280.6	276.0	273.7	273.2
162.5°	322.0	315.4	309.4	304.6	298.7	292.8	287.9	283.8	280.1	277.8	278.2
165°	315.9	310.8	306.8	303.4	299.4	294.3	290.8	288.0	284.6	283.4	284.0
167.5°	310.0	306.8	304.2	302.6	299.3	295.5	293.4	291.3	289.1	288.1	288.8
170°	306.8	304.5	302.8	301.7	298.8	296.0	294.3	293.1	291.4	290.8	292.0
172.5°	303.6	301.8	301.0	300.3	298.4	296.4	295.2	294.5	292.8	293.1	293.8
175°	299.4	298.8	298.3	298.8	297.7	296.5	296.0	296.0	294.8	295.4	296.0
177.5°	297.0	296.5	297.0	297.9	297.0	296.5	296.5	296.5	295.6	296.1	297.0
180°	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5



TEST NUMBER: P331743

CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2218.3	2220.1	2232.4	2237.9	2249.0	2253.2	2258.2	2256.9	2256.9	2259.4	2276.5
5°	2223.1	2238.4	2261.4	2283.6	2305.1	2323.4	2335.7	2348.0	2352.6	2374.8	2394.7
7.5°	2215.1	2243.3	2281.3	2315.2	2355.8	2387.5	2413.9	2437.6	2453.9	2486.2	2519.3
10°	2204.7	2244.5	2287.4	2331.1	2387.0	2429.2	2472.1	2505.1	2515.8	2564.1	2591.7
12.5°	2183.8	2237.2	2291.7	2348.3	2403.0	2461.1	2508.3	2541.2	2578.9	2622.3	2673.2
15°	2152.6	2213.9	2285.1	2357.9	2436.1	2506.6	2557.2	2614.6	2656.0	2703.5	2748.0
17.5°	2107.7	2186.6	2277.2	2361.5	2451.9	2527.6	2597.2	2652.3	2681.5	2708.6	2715.2
20°	2072.1	2157.2	2263.7	2363.3	2453.7	2541.1	2610.0	2656.0	2663.7	2664.4	2623.8
22.5°	2033.5	2129.6	2241.0	2343.1	2451.3	2548.4	2602.1	2621.7	2591.3	2539.4	2460.8
25°	1962.5	2073.6	2203.1	2319.6	2437.6	2529.6	2548.0	2513.5	2407.0	2295.1	2153.3
27.5°	1885.6	2010.5	2149.3	2278.8	2404.5	2461.5	2421.8	2297.5	2105.7	1938.9	1736.8
30°	1829.2	1969.4	2105.8	2250.6	2367.1	2391.6	2300.5	2117.3	1893.5	1642.2	1440.7
32.5°	1764.8	1911.8	2061.7	2211.4	2308.9	2285.0	2134.3	1908.9	1646.5	1399.4	1208.9
35°	1672.8	1824.6	1986.3	2136.5	2198.5	2095.1	1869.8	1576.3	1308.1	1077.4	946.4
37.5°	1566.6	1731.9	1900.0	2037.9	2033.5	1861.1	1554.2	1251.2	1025.8	889.4	796.0
40°	1491.2	1658.3	1839.9	1956.4	1906.6	1682.0	1349.5	1063.6	898.9	790.1	721.9
42.5°	1418.9	1586.6	1767.0	1859.5	1772.9	1496.9	1165.6	941.6	805.7	720.8	665.5
45°	1295.8	1472.8	1639.9	1691.2	1536.4	1232.2	942.6	780.1	689.7	626.8	588.5
47.5°	1175.5	1349.6	1502.1	1503.0	1293.7	999.3	795.1	675.1	597.9	549.3	521.4
50°	1101.9	1267.5	1395.4	1375.5	1138.0	888.9	711.1	607.7	543.3	505.8	476.6
52.5°	1019.2	1179.8	1290.6	1233.9	1006.2	782.2	635.7	548.8	495.5	462.8	436.8
55°	898.9	1041.4	1119.6	1033.7	820.7	650.6	537.2	469.0	429.1	401.5	379.3
57.5°	780.7	898.3	947.5	847.5	676.0	539.5	454.4	403.2	363.7	343.9	332.4
60°	706.5	806.9	841.4	731.1	587.8	472.0	402.3	354.8	325.7	312.7	301.2
62.5°	633.6	715.6	729.8	628.7	512.4	413.2	353.3	313.1	293.8	281.4	270.5
65°	525.7	584.7	577.8	496.6	405.4	328.0	284.3	259.8	245.2	227.6	208.4
67.5°	432.8	468.8	447.1	386.2	309.4	254.9	226.4	207.8	189.7	173.0	168.6
70°	374.0	394.6	371.7	315.7	253.6	213.8	190.8	168.6	157.9	154.0	147.1
72.5°	317.6	324.8	299.9	252.0	206.4	177.0	154.6	142.2	136.4	133.2	128.7
75°	238.3	233.0	211.5	174.0	143.3	123.4	116.5	111.9	108.0	105.0	102.7
77.5°	167.4	159.5	140.4	115.9	99.8	90.3	86.1	83.7	81.8	80.3	78.0
80°	125.7	120.3	101.2	82.8	75.9	71.3	69.0	65.9	65.9	64.4	62.1
82.5°	92.0	86.0	69.3	60.7	56.9	54.1	52.4	50.6	50.0	50.3	48.6
85°	48.3	39.1	34.5	33.0	30.7	29.1	29.9	28.4	28.4	28.4	27.6
87.5°	15.2	12.6	12.2	11.8	12.7	13.3	13.5	14.2	14.9	14.2	14.7
90°	2.3	4.6	5.7	6.8	8.6	11.4	15.4	18.8	19.4	18.8	18.2
92.5°	10.0	14.1	16.7	20.5	25.9	38.8	56.9	73.1	74.1	62.6	49.7
95°	22.2	27.9	33.1	42.2	55.9	82.1	131.7	197.9	223.6	195.6	149.4
97.5°	35.6	41.6	49.4	59.9	75.4	108.4	177.5	287.4	381.6	400.3	348.7
100°	45.6	50.8	59.9	71.3	87.3	117.5	187.1	310.2	450.5	532.6	520.7
102.5°	55.7	60.8	69.9	81.8	97.7	125.7	187.5	301.6	452.8	581.9	633.4
105°	71.9	75.8	84.4	96.9	112.9	139.7	190.5	284.6	422.6	574.3	692.9
107.5°	87.8	91.7	99.6	112.0	128.1	154.1	198.3	276.1	390.2	524.2	650.0
110°	99.2	102.7	110.1	122.0	138.6	163.7	204.7	274.3	374.7	492.7	613.1



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CATALOG NUMBER: S122RDIP-S1005D530U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	109.3	113.1	120.1	131.6	148.6	172.8	211.6	274.8	364.6	470.8	579.3
115°	125.5	128.9	135.7	147.1	162.5	187.1	221.8	277.2	353.6	443.7	537.8
117.5°	141.1	144.5	150.6	161.5	177.5	200.2	232.8	281.3	348.2	426.6	506.5
120°	151.1	154.5	159.7	171.1	187.1	209.3	240.1	284.0	345.0	417.5	491.0
122.5°	160.3	163.7	169.3	180.7	197.1	218.0	246.5	287.2	343.2	409.7	478.7
125°	172.8	176.2	183.1	194.5	210.4	231.0	256.6	292.0	339.9	398.6	460.8
127.5°	183.4	188.2	195.7	206.7	223.1	243.1	266.1	296.9	338.0	388.4	443.1
130°	189.3	195.0	203.0	214.4	230.4	250.4	272.0	300.5	337.0	381.5	431.7
132.5°	195.3	201.4	209.9	221.7	237.7	256.7	278.0	304.2	336.6	376.0	420.8
135°	203.0	209.9	218.4	231.5	247.5	265.8	285.7	308.5	335.9	368.4	405.5
137.5°	211.2	218.1	227.2	240.2	255.0	273.1	291.6	312.4	335.8	363.0	393.3
140°	216.7	223.6	232.7	245.2	260.1	277.2	294.8	314.2	335.3	359.9	385.5
142.5°	222.2	228.6	237.7	249.8	263.7	280.4	297.6	315.6	335.3	356.7	379.1
145°	231.5	237.2	245.8	257.2	269.7	285.1	301.1	317.1	334.2	352.4	370.1
147.5°	240.5	246.0	253.9	263.4	274.5	289.0	303.1	317.5	332.1	348.1	363.2
150°	246.9	251.5	258.9	267.5	277.7	290.8	304.0	317.1	330.8	344.5	358.1
152.5°	252.4	257.0	263.5	271.6	280.9	292.7	304.4	316.2	328.5	341.3	353.1
155°	261.2	264.6	270.9	277.2	285.7	295.4	305.1	314.8	324.5	335.3	346.2
157.5°	268.7	271.5	276.9	282.0	289.1	297.3	305.1	312.2	320.4	329.7	338.1
160°	273.7	276.0	280.6	285.1	291.4	298.3	305.1	310.8	317.7	325.6	333.0
162.5°	277.8	280.1	283.8	287.9	292.8	298.7	304.6	309.4	315.4	322.0	328.0
165°	283.4	284.6	288.0	290.8	294.3	299.4	303.4	306.8	310.8	315.9	320.5
167.5°	288.1	289.1	291.3	293.4	295.5	299.3	302.6	304.2	306.8	310.0	313.3
170°	290.8	291.4	293.1	294.3	296.0	298.8	301.7	302.8	304.5	306.8	309.7
172.5°	293.1	292.8	294.5	295.2	296.4	298.4	300.3	301.0	301.8	303.6	305.6
175°	295.4	294.8	296.0	296.0	296.5	297.7	298.8	298.3	298.8	299.4	301.1
177.5°	296.1	295.6	296.5	296.5	296.5	297.0	297.9	297.0	296.5	297.0	297.9
180°	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5	296.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2282.7	2290.6	2294.3	2294.3	2298.6	2296.8	2294.9
5°	2413.9	2428.4	2431.5	2445.3	2455.2	2452.2	2453.7
7.5°	2544.3	2567.7	2590.9	2601.5	2603.1	2609.3	2611.6
10°	2624.6	2643.8	2679.8	2674.4	2701.2	2716.6	2691.3
12.5°	2701.8	2727.7	2752.7	2759.6	2774.8	2779.7	2769.7
15°	2771.7	2785.5	2787.1	2783.2	2787.8	2784.0	2769.4
17.5°	2706.4	2684.1	2638.7	2617.2	2600.2	2575.1	2565.0
20°	2598.5	2532.6	2456.0	2425.4	2389.3	2318.8	2335.7
22.5°	2365.6	2290.5	2213.9	2124.4	2081.6	2014.8	2010.8
25°	2003.1	1873.6	1731.1	1631.5	1573.2	1506.6	1477.4
27.5°	1557.4	1394.4	1277.6	1218.4	1164.6	1111.8	1109.6
30°	1264.4	1141.8	1051.4	1000.8	967.8	945.6	950.2
32.5°	1065.8	981.8	920.8	878.8	854.4	837.7	837.4
35°	871.3	813.8	774.7	757.1	739.5	727.2	728.0
37.5°	745.6	711.1	689.4	669.9	658.9	652.9	649.5
40°	681.2	652.9	636.0	624.5	615.3	606.9	605.4
42.5°	630.4	606.9	590.1	581.0	572.4	566.5	564.9
45°	559.4	540.2	524.9	515.0	511.1	505.8	505.8
47.5°	497.6	478.8	466.8	460.6	454.0	450.4	450.3
50°	456.0	441.4	430.7	426.8	421.5	419.2	418.4
52.5°	418.6	407.7	400.0	397.4	395.1	392.2	392.7
55°	367.8	361.7	358.6	356.3	352.5	347.9	351.0
57.5°	325.1	319.9	311.6	304.4	300.9	297.6	298.9
60°	295.0	284.3	273.6	265.1	262.8	255.9	255.9
62.5°	257.0	242.0	228.8	224.1	221.8	218.6	217.9
65°	197.7	191.6	188.5	185.4	183.9	183.9	182.4
67.5°	163.8	161.4	158.0	157.2	155.7	155.3	154.8
70°	144.8	141.8	140.2	139.5	137.9	138.7	136.4
72.5°	126.4	124.0	123.7	121.7	120.8	120.9	119.2
75°	99.6	99.6	98.9	98.1	96.6	95.8	96.6
77.5°	76.6	76.8	75.4	75.3	75.1	75.3	74.5
80°	61.3	62.1	61.3	60.5	59.8	60.5	59.8
82.5°	48.4	47.4	47.2	47.1	46.9	46.4	46.3
85°	27.6	28.4	27.6	26.8	26.8	26.8	27.6
87.5°	13.8	14.1	14.2	14.2	14.2	14.2	13.6
90°	17.1	18.2	18.8	18.8	18.8	18.8	18.8
92.5°	42.7	37.9	34.3	33.9	32.1	32.5	31.6
95°	114.6	90.7	78.1	70.7	66.2	64.4	65.0
97.5°	285.3	223.6	182.4	155.1	141.1	132.8	128.0
100°	450.0	371.8	302.8	255.5	231.0	214.4	204.2
102.5°	617.4	560.3	487.1	435.7	393.8	373.2	359.3
105°	757.3	764.8	745.9	710.6	675.2	650.7	642.7
107.5°	747.1	806.4	834.0	838.4	836.5	831.6	821.0
110°	715.1	788.1	834.9	859.4	870.3	875.4	874.8



TEST NUMBER: P331743

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	677.3	755.3	808.9	843.0	861.1	870.8	873.9
115°	625.6	700.3	759.1	799.5	825.8	840.6	845.7
117.5°	583.6	651.4	706.5	747.8	775.5	791.1	795.4
120°	561.7	622.2	674.1	714.0	740.8	757.3	763.0
122.5°	543.5	600.7	647.6	683.4	709.8	724.5	729.3
125°	519.5	569.7	612.5	645.6	667.2	681.5	686.1
127.5°	496.3	543.6	583.1	611.9	632.2	644.5	648.2
130°	480.8	525.8	563.4	591.4	610.8	622.2	626.7
132.5°	466.2	507.6	542.9	570.4	589.8	600.3	604.4
135°	443.1	480.8	512.7	537.2	556.0	566.3	568.6
137.5°	424.8	454.6	482.5	504.8	521.0	530.0	533.4
140°	412.9	439.1	464.2	482.5	497.3	505.8	509.3
142.5°	402.4	425.0	446.0	463.3	476.8	484.4	485.1
145°	388.9	406.6	423.2	436.8	446.5	452.2	453.9
147.5°	378.0	391.8	403.9	415.2	422.9	426.8	427.8
150°	370.7	382.7	392.9	401.5	408.3	411.7	412.3
152.5°	364.8	374.9	383.8	390.5	396.5	399.0	399.1
155°	355.3	363.8	370.1	376.4	380.4	382.7	381.5
157.5°	345.7	352.9	357.8	362.2	365.6	366.6	366.6
160°	339.3	345.6	349.6	353.6	356.4	357.0	357.0
162.5°	333.4	338.8	341.8	345.8	347.8	348.3	347.9
165°	324.5	328.5	330.8	333.0	335.3	335.3	334.8
167.5°	316.4	319.1	321.2	322.2	323.5	323.4	322.7
170°	311.4	313.7	314.8	315.4	317.1	316.5	315.4
172.5°	306.8	308.6	309.3	309.9	310.7	310.1	309.4
175°	301.7	302.3	302.8	302.8	303.4	302.8	301.7
177.5°	297.9	298.4	298.4	298.4	298.4	297.9	297.0
180°	296.5	296.5	296.5	296.5	296.5	296.5	296.5

(END OF REPORT)