

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: P332366-940

Luminaire Tested: **S123RDIP-S1165D585U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332366-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1165D585U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6165.9 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

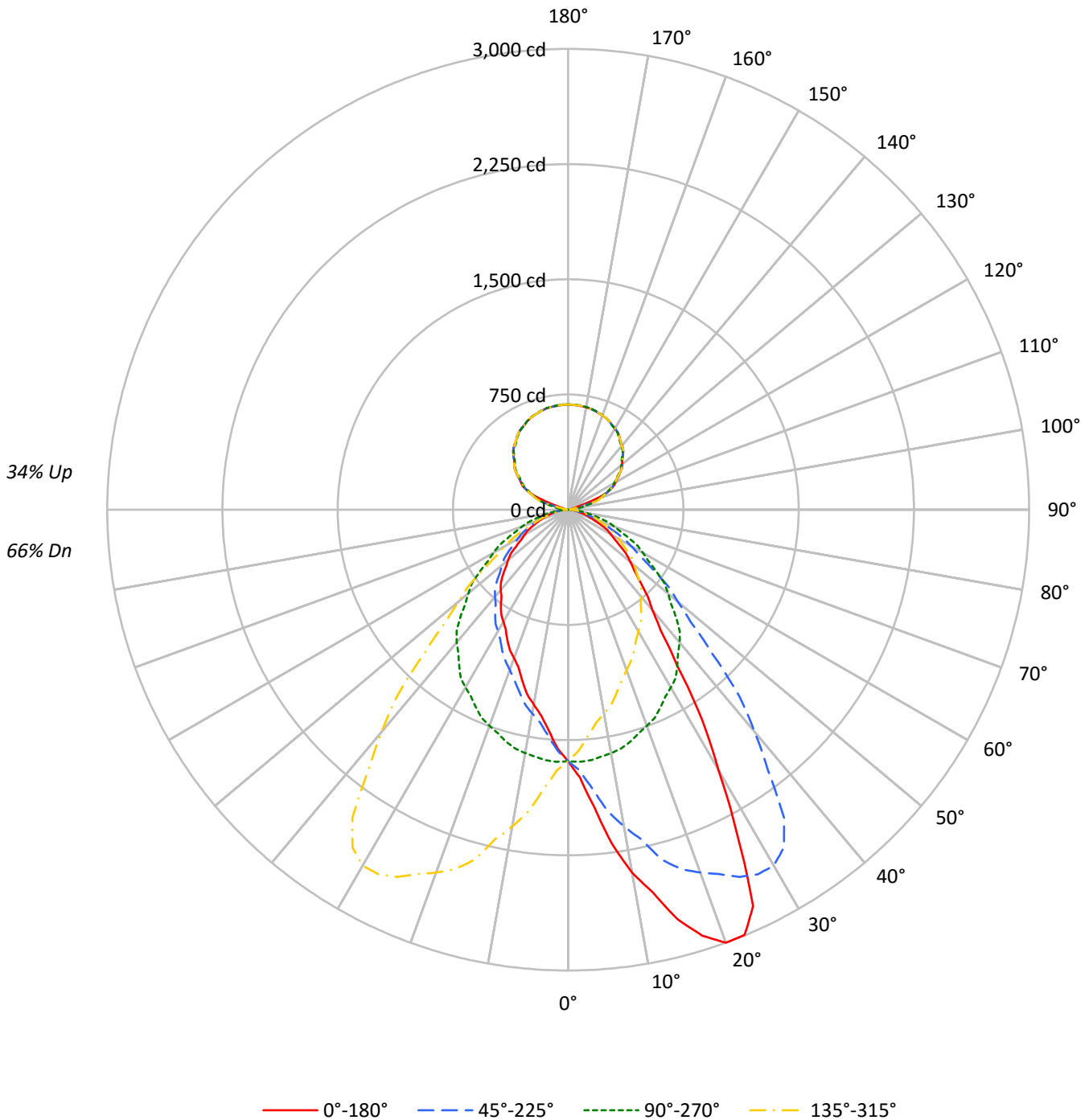
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	81	81	81	71	71	71	66
1	102	98	94	91	96	93	89	86	82	80	78	73	71	69	64	63	61	57
2	94	87	81	76	88	82	77	72	73	69	65	65	62	59	57	55	53	49
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	51	48	46	43
4	79	69	61	55	74	65	58	53	58	53	48	52	48	44	46	43	40	37
5	73	62	54	48	69	58	51	46	53	47	42	47	43	39	42	39	36	33
6	67	56	48	42	63	53	46	40	48	42	37	43	38	35	39	35	32	29
7	63	50	43	37	59	48	41	36	44	38	33	39	34	31	35	31	28	26
8	58	46	38	33	55	44	37	32	40	34	30	36	31	28	33	29	26	24
9	54	42	35	30	51	40	34	29	37	31	27	33	29	25	30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	25	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17623	17623	17623	17623
5°	21007	17698	15584	17698
10°	26230	17596	14080	17596
15°	30788	17416	12840	17416
20°	34360	17148	11786	17148
25°	33812	16865	11137	16865
30°	24304	16604	10470	16604
35°	16227	16264	10038	16264
40°	11956	15855	9591	15855
45°	10029	15139	9155	15139
50°	8848	14200	8544	14200
55°	7760	13127	7707	13127
60°	6910	12099	7061	12099
65°	6069	10998	6569	10998
70°	4765	10014	5998	10014
75°	4196	8746	5481	8746
80°	3651	7426	5387	7426
85°	2939	5965	5718	5965



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	2.6
10°-20°	503.0	8.2
20°-30°	790.2	12.8
30°-40°	824.4	13.4
40°-50°	705.6	11.4
50°-60°	537.8	8.7
60°-70°	344.7	5.6
70°-80°	165.8	2.7
80°-90°	45.8	0.7
90°-100°	24.9	0.4
100°-110°	118.6	1.9
110°-120°	284.9	4.6
120°-130°	362.8	5.9
130°-140°	387.7	6.3
140°-150°	362.5	5.9
150°-160°	292.4	4.7
160°-170°	188.7	3.1
170°-180°	65.0	1.1
0°-30°	1454.2	23.6
0°-40°	2278.7	37.0
0°-60°	3522.0	57.1
0°-90°	4078.3	66.1
90°-120°	428.4	6.9
90°-150°	1541.4	25.0
90°-180°	2088.0	33.9
0°-180°	6165.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1637	1637	1637	1637	1637	
5°	1944	1638	1442	1638	1944	201
15°	2763	1563	1152	1563	2763	783
25°	2847	1420	938	1420	2847	1224
35°	1235	1238	764	1238	1235	810
45°	659	994	601	994	659	518
55°	414	700	411	700	414	374
65°	238	432	258	432	238	234
75°	101	210	132	210	101	108
85°	24	48	46	48	24	28
90°	15	0	15	0	15	8
95°	19	31	19	31	19	16
105°	22	152	22	152	22	51
115°	299	284	299	284	299	276
125°	409	401	409	401	409	365
135°	504	499	504	499	504	389
145°	581	576	581	576	581	363
155°	633	634	633	634	633	292
165°	667	669	667	669	667	188
175°	682	685	682	685	682	65
180°	685	685	685	685	685	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2
2.5°	1743.7	1746.0	1738.7	1737.6	1729.1	1726.9	1726.9	1715.1	1707.8	1698.4	1692.7
5°	1944.2	1955.4	1949.8	1937.2	1916.1	1911.2	1897.9	1876.9	1853.1	1823.6	1809.6
7.5°	2194.5	2209.8	2204.0	2184.4	2162.4	2144.7	2107.0	2072.2	2023.2	1980.3	1943.6
10°	2399.8	2383.6	2371.0	2352.1	2331.7	2298.8	2259.6	2205.6	2143.2	2094.2	2039.5
12.5°	2553.3	2550.7	2534.7	2515.2	2486.5	2455.2	2407.0	2341.3	2268.8	2197.9	2135.4
15°	2762.8	2767.0	2756.5	2736.1	2695.5	2640.1	2567.2	2539.9	2436.2	2359.1	2282.0
17.5°	2907.7	2906.9	2905.5	2877.3	2835.8	2796.4	2728.8	2656.9	2563.0	2454.4	2350.5
20°	2999.6	2992.7	2994.1	2962.5	2931.7	2886.1	2820.2	2715.8	2638.8	2513.3	2406.0
22.5°	2997.4	2996.1	3001.3	2990.5	2968.1	2933.2	2881.4	2793.2	2694.8	2568.2	2447.6
25°	2846.9	2841.3	2874.3	2883.3	2919.1	2925.3	2909.9	2861.6	2768.4	2638.0	2488.8
27.5°	2382.7	2379.5	2440.7	2517.2	2614.2	2689.6	2762.5	2797.7	2768.4	2675.0	2525.5
30°	1955.4	2021.2	2052.1	2162.8	2286.2	2433.4	2562.3	2684.9	2715.1	2674.5	2551.8
32.5°	1623.4	1681.0	1706.7	1801.8	1916.7	2089.1	2282.5	2456.2	2578.9	2609.9	2536.1
35°	1234.9	1235.6	1294.5	1336.5	1443.1	1620.4	1808.2	2040.9	2272.2	2447.4	2465.6
37.5°	985.4	988.9	1024.5	1066.4	1146.3	1240.1	1405.5	1598.9	1866.1	2135.1	2292.8
40°	850.9	857.1	883.8	925.1	982.6	1053.4	1182.3	1364.6	1587.4	1886.7	2131.3
42.5°	764.5	774.7	788.5	820.3	855.9	922.2	1026.4	1167.2	1369.9	1652.9	1935.1
45°	658.8	664.4	674.9	689.6	721.8	768.1	838.2	932.8	1101.1	1328.8	1611.2
47.5°	581.1	578.2	589.2	601.2	622.7	654.2	701.2	778.4	898.4	1081.1	1320.7
50°	528.4	527.7	535.5	544.6	564.9	588.0	626.6	684.7	780.1	931.5	1150.8
52.5°	479.1	481.8	487.2	498.6	513.3	532.0	566.6	608.5	690.4	821.0	1003.9
55°	413.5	415.6	423.3	429.6	440.1	459.1	480.8	515.9	571.9	663.0	813.7
57.5°	358.0	357.0	364.4	366.0	377.9	393.3	410.1	437.3	478.0	545.7	647.2
60°	321.0	318.9	325.2	330.1	336.4	349.0	363.0	389.7	422.0	471.7	558.6
62.5°	287.3	286.3	291.0	295.9	301.1	312.5	324.3	344.8	370.3	412.2	481.2
65°	238.3	240.4	242.5	244.6	247.4	254.4	265.6	279.6	297.2	326.6	376.4
67.5°	187.3	189.4	190.1	194.4	200.5	204.8	211.7	224.2	236.3	261.2	289.4
70°	151.4	150.7	151.4	153.5	161.2	168.9	178.0	187.2	194.8	212.3	236.2
72.5°	130.1	128.9	130.6	131.1	134.8	137.0	142.7	151.2	161.2	173.1	190.2
75°	100.9	100.9	100.9	100.9	103.7	105.1	107.3	109.3	112.8	118.4	131.1
77.5°	74.5	74.7	75.7	76.4	77.0	77.8	79.1	81.1	82.4	85.3	90.9
80°	58.9	59.6	58.9	59.6	59.6	61.0	61.7	63.8	64.5	67.9	70.1
82.5°	44.3	43.9	44.3	45.0	45.0	46.4	46.5	48.1	48.2	50.0	52.2
85°	23.8	22.5	23.8	23.1	24.5	23.1	23.8	25.2	25.2	25.9	28.7
87.5°	8.6	9.7	8.6	9.1	9.0	9.5	9.5	9.4	10.3	9.7	10.0
90°	15.2	15.1	14.8	14.6	14.4	14.0	13.6	13.1	12.7	12.2	10.7
92.5°	16.9	16.8	16.6	16.5	16.3	15.9	15.2	14.4	13.7	13.0	11.9
95°	19.4	19.4	19.4	19.4	19.4	18.9	18.1	17.4	16.6	15.8	14.5
97.5°	21.0	20.9	20.7	20.6	20.5	20.0	19.1	18.2	17.3	16.4	24.5
100°	21.4	21.2	21.1	21.0	20.9	20.4	19.5	18.5	17.7	16.8	34.4
102.5°	21.8	21.6	21.4	21.1	21.0	22.3	25.1	27.8	30.7	33.4	52.7
105°	22.4	22.1	21.9	21.7	21.5	31.4	51.4	71.3	91.4	111.4	121.5
107.5°	70.3	85.3	100.4	115.5	130.6	145.4	160.2	174.8	189.5	204.1	202.5
110°	139.8	156.0	172.2	188.3	204.5	214.5	218.2	221.9	225.6	229.3	228.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	240.0	243.3	246.7	250.2	253.6	255.3	255.2	255.1	255.1	255.0	253.8
115°	299.1	298.6	298.2	297.7	297.2	296.5	295.3	294.2	293.1	291.9	290.9
117.5°	332.3	332.2	332.1	332.0	331.9	331.4	330.5	329.6	328.7	327.7	327.3
120°	355.0	355.0	355.0	355.0	355.0	354.5	353.7	352.8	351.9	350.9	350.6
122.5°	377.4	377.3	377.2	377.1	377.0	376.7	376.0	375.4	374.8	374.2	373.7
125°	408.9	408.7	408.5	408.2	408.0	407.8	407.5	407.3	407.1	406.9	406.4
127.5°	439.3	439.4	439.7	439.9	440.1	440.1	439.7	439.3	439.0	438.6	438.1
130°	458.8	459.0	459.2	459.4	459.7	459.5	459.1	458.6	458.2	457.7	457.3
132.5°	476.6	477.0	477.2	477.6	478.0	477.9	477.4	477.0	476.5	476.1	475.6
135°	504.0	504.4	504.7	505.1	505.3	505.3	505.1	504.7	504.4	504.0	503.5
137.5°	529.8	529.9	530.2	530.4	530.7	530.5	529.9	529.4	528.9	528.3	528.1
140°	545.2	545.5	545.6	545.9	546.1	546.0	545.5	545.1	544.7	544.2	543.9
142.5°	559.5	559.7	560.1	560.4	560.7	560.7	560.4	560.0	559.6	559.3	558.9
145°	581.3	581.3	581.3	581.3	581.3	581.2	580.9	580.8	580.5	580.3	580.1
147.5°	597.6	598.2	598.6	599.1	599.7	599.9	599.6	599.4	599.1	599.0	598.7
150°	609.8	610.1	610.5	610.8	611.2	611.2	611.0	610.7	610.6	610.3	610.1
152.5°	619.6	620.1	620.6	621.2	621.6	621.7	621.3	620.9	620.5	620.1	619.9
155°	633.2	633.9	634.5	635.3	635.9	636.0	635.4	634.8	634.3	633.7	633.6
157.5°	644.7	645.6	646.5	647.3	648.2	648.4	647.6	646.9	646.3	645.6	645.7
160°	652.0	652.8	653.6	654.4	655.1	655.2	654.5	653.9	653.2	652.6	652.6
162.5°	659.0	659.6	660.3	661.0	661.7	661.7	660.9	660.1	659.4	658.6	658.7
165°	667.3	668.1	668.9	669.7	670.5	670.4	669.5	668.6	667.7	666.7	666.9
167.5°	673.2	674.2	675.1	676.0	676.9	676.9	676.0	675.1	674.2	673.2	673.2
170°	676.9	677.9	678.8	679.7	680.6	680.6	679.7	678.8	677.9	676.9	676.9
172.5°	678.9	679.9	681.0	682.0	683.0	683.0	682.1	681.2	680.3	679.4	679.3
175°	682.0	683.0	683.9	684.7	685.6	685.7	684.9	684.1	683.3	682.5	682.4
177.5°	683.0	683.9	684.7	685.6	686.5	686.6	685.9	685.2	684.5	683.8	683.7
180°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2
2.5°	1690.5	1688.8	1681.0	1672.0	1660.2	1652.3	1646.2	1642.8	1632.7	1620.4	1611.9
5°	1794.9	1773.9	1751.4	1724.1	1698.9	1672.9	1656.8	1637.9	1614.8	1588.9	1570.7
7.5°	1906.7	1865.5	1821.1	1775.3	1730.0	1689.3	1653.5	1622.7	1585.9	1548.7	1522.7
10°	1992.5	1932.2	1869.9	1806.1	1747.9	1693.3	1651.2	1609.9	1565.8	1523.0	1490.8
12.5°	2070.5	1991.1	1919.2	1840.8	1766.5	1701.1	1640.6	1591.9	1538.8	1493.3	1456.5
15°	2169.2	2087.9	2000.9	1881.8	1783.0	1700.3	1626.7	1562.9	1498.4	1442.3	1406.6
17.5°	2261.4	2139.0	2022.2	1922.9	1794.5	1691.1	1601.3	1525.1	1454.3	1394.8	1350.9
20°	2299.5	2181.0	2054.2	1927.3	1801.2	1685.6	1581.1	1497.0	1423.4	1356.1	1315.5
22.5°	2322.5	2188.3	2054.8	1918.4	1784.4	1664.3	1560.9	1468.5	1388.7	1324.7	1274.6
25°	2349.3	2189.5	2042.3	1907.7	1771.0	1640.7	1518.0	1420.0	1333.7	1265.8	1212.5
27.5°	2367.0	2179.0	2005.0	1855.5	1716.8	1587.0	1474.6	1370.6	1283.2	1211.2	1154.1
30°	2370.3	2170.5	1976.4	1814.5	1673.7	1554.5	1435.4	1335.9	1243.3	1166.9	1113.7
32.5°	2374.8	2149.8	1937.7	1765.8	1621.5	1503.5	1395.5	1300.5	1205.8	1130.5	1076.1
35°	2356.3	2138.3	1879.0	1681.3	1537.0	1422.7	1325.3	1237.7	1144.5	1071.6	1016.3
37.5°	2276.6	2092.8	1818.2	1586.4	1435.4	1329.5	1250.2	1173.8	1088.3	1009.7	957.5
40°	2196.5	2047.9	1771.0	1528.6	1370.9	1262.2	1190.8	1128.4	1045.7	972.1	916.1
42.5°	2077.1	1986.8	1726.2	1468.0	1298.0	1193.3	1133.0	1074.5	1001.9	927.2	874.5
45°	1858.0	1869.9	1634.4	1371.5	1197.0	1091.9	1035.2	994.5	930.1	868.3	814.4
47.5°	1583.2	1694.7	1526.6	1268.8	1090.7	992.0	942.4	906.9	863.4	802.9	753.7
50°	1403.8	1562.9	1440.3	1199.9	1024.0	925.9	876.7	848.0	810.2	762.5	715.6
52.5°	1238.4	1409.3	1336.0	1123.0	951.6	861.9	814.0	790.3	760.3	715.4	673.0
55°	1010.0	1183.0	1166.3	1007.1	843.1	762.5	726.1	699.5	679.1	645.5	611.9
57.5°	816.9	981.1	989.7	878.2	747.5	667.9	636.5	616.4	603.2	577.8	546.7
60°	695.3	846.0	875.4	791.3	679.1	609.0	578.2	562.0	551.6	531.3	507.4
62.5°	594.3	722.6	755.9	695.4	613.5	548.0	523.8	508.3	501.1	483.6	462.5
65°	454.9	561.4	593.6	560.0	517.2	464.7	445.1	431.8	425.4	415.6	400.2
67.5°	342.1	419.6	455.0	431.3	415.9	382.6	370.1	363.0	357.4	350.7	337.8
70°	274.7	332.2	368.6	362.3	349.7	332.2	323.1	318.2	312.5	307.0	295.8
72.5°	220.9	260.5	294.6	297.8	287.5	284.0	276.0	273.9	270.5	263.8	257.6
75°	146.5	173.8	197.6	206.8	211.0	214.5	211.0	210.3	209.6	203.9	200.5
77.5°	96.0	110.8	125.7	141.3	147.8	152.7	153.7	156.3	154.4	151.5	149.8
80°	73.6	77.1	87.6	100.9	111.5	115.7	118.4	119.8	119.1	118.4	115.7
82.5°	53.4	56.4	61.3	70.6	79.5	86.5	88.2	87.9	89.4	89.9	87.6
85°	28.7	29.4	30.9	32.3	37.2	44.9	47.0	48.3	49.8	49.8	45.6
87.5°	10.8	10.0	10.8	10.5	12.0	12.3	15.4	18.0	18.8	16.9	17.0
90°	9.3	7.8	6.3	5.0	3.9	2.8	1.6	0.5	1.6	2.8	3.9
92.5°	10.8	9.7	8.6	8.2	8.5	8.8	9.2	9.5	9.2	8.8	8.5
95°	13.3	12.0	10.8	12.5	17.1	21.8	26.4	31.0	26.4	21.8	17.1
97.5°	32.6	40.8	49.0	54.0	56.1	58.2	60.3	62.3	60.3	58.2	56.1
100°	52.1	69.6	87.3	95.0	92.7	90.5	88.2	86.0	88.2	90.5	92.7
102.5°	72.0	91.2	110.5	119.3	117.7	116.1	114.4	112.8	114.4	116.1	117.7
105°	131.7	141.9	152.0	156.5	155.2	154.1	152.8	151.6	152.8	154.1	155.2
107.5°	200.9	199.3	197.7	196.4	195.5	194.5	193.4	192.4	193.4	194.5	195.5
110°	226.9	225.6	224.4	223.3	222.4	221.5	220.6	219.7	220.6	221.5	222.4



TEST NUMBER: P332366-940

CATALOG NUMBER: S123RDIP-S1165D585U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	252.5	251.3	250.0	249.0	248.2	247.4	246.6	245.8	246.6	247.4	248.2
115°	289.9	288.9	287.8	287.0	286.3	285.6	285.0	284.3	285.0	285.6	286.3
117.5°	326.7	326.2	325.7	324.9	324.1	323.3	322.4	321.6	322.4	323.3	324.1
120°	350.3	349.9	349.6	348.9	347.9	346.9	345.8	344.8	345.8	346.9	347.9
122.5°	373.3	372.8	372.4	371.8	371.0	370.1	369.3	368.5	369.3	370.1	371.0
125°	406.0	405.6	405.1	404.4	403.5	402.6	401.7	400.7	401.7	402.6	403.5
127.5°	437.6	436.9	436.4	435.7	434.8	433.9	433.0	432.1	433.0	433.9	434.8
130°	456.8	456.4	455.9	455.2	454.3	453.4	452.5	451.7	452.5	453.4	454.3
132.5°	475.3	474.9	474.6	473.9	473.1	472.2	471.3	470.4	471.3	472.2	473.1
135°	503.1	502.7	502.2	501.7	501.0	500.2	499.6	498.9	499.6	500.2	501.0
137.5°	527.8	527.5	527.4	526.7	525.9	525.0	524.2	523.3	524.2	525.0	525.9
140°	543.5	543.1	542.9	542.3	541.6	541.0	540.3	539.6	540.3	541.0	541.6
142.5°	558.6	558.2	557.9	557.4	556.7	556.1	555.4	554.6	555.4	556.1	556.7
145°	579.9	579.6	579.4	578.9	578.1	577.3	576.5	575.7	576.5	577.3	578.1
147.5°	598.4	598.2	598.0	597.6	597.1	596.6	596.1	595.6	596.1	596.6	597.1
150°	609.8	609.7	609.4	609.1	608.8	608.4	608.1	607.8	608.1	608.4	608.8
152.5°	619.8	619.6	619.6	619.4	619.2	619.0	618.9	618.8	618.9	619.0	619.2
155°	633.5	633.4	633.3	633.3	633.6	633.7	634.0	634.2	634.0	633.7	633.6
157.5°	645.9	646.0	646.0	646.1	646.1	646.1	646.2	646.2	646.2	646.1	646.1
160°	652.7	652.8	653.0	653.1	653.2	653.4	653.4	653.5	653.4	653.4	653.2
162.5°	658.9	659.0	659.1	659.2	659.6	659.9	660.1	660.5	660.1	659.9	659.6
165°	667.0	667.1	667.2	667.4	667.8	668.2	668.4	668.8	668.4	668.2	667.8
167.5°	673.2	673.2	673.2	673.5	674.0	674.4	674.8	675.3	674.8	674.4	674.0
170°	676.9	676.9	676.9	677.2	677.6	678.1	678.5	678.9	678.5	678.1	677.6
172.5°	679.2	679.1	679.0	679.2	679.8	680.3	680.9	681.4	680.9	680.3	679.8
175°	682.3	682.2	682.1	682.3	682.9	683.4	684.0	684.6	684.0	683.4	682.9
177.5°	683.6	683.5	683.4	683.6	684.0	684.5	684.9	685.4	684.9	684.5	684.0
180°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6



TEST NUMBER: P332366-940

CATALOG NUMBER: S123RDIP-S1165D585U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2
2.5°	1609.2	1601.9	1596.9	1585.6	1578.3	1570.5	1562.6	1567.7	1567.1	1566.6	1566.6
5°	1555.2	1539.1	1524.4	1505.5	1493.5	1478.8	1467.6	1466.2	1469.0	1459.2	1453.6
7.5°	1501.6	1479.6	1458.7	1437.9	1415.8	1398.1	1387.0	1381.8	1374.7	1368.6	1362.4
10°	1464.1	1438.2	1417.8	1391.9	1368.1	1347.0	1333.7	1324.6	1319.7	1314.8	1305.7
12.5°	1425.4	1400.1	1374.1	1344.8	1322.1	1297.7	1287.7	1277.6	1268.1	1262.7	1250.2
15°	1368.8	1335.9	1308.5	1277.6	1252.4	1228.6	1214.6	1194.3	1191.4	1184.5	1171.8
17.5°	1312.0	1276.2	1238.6	1215.7	1187.2	1162.4	1141.1	1134.3	1114.2	1106.6	1095.7
20°	1267.1	1234.2	1205.5	1175.4	1134.0	1110.9	1094.0	1084.9	1068.8	1059.0	1052.0
22.5°	1228.4	1195.0	1161.7	1126.6	1092.5	1066.6	1054.3	1040.1	1031.3	1017.5	1010.0
25°	1173.2	1136.8	1096.8	1059.0	1034.5	1014.9	995.2	982.6	970.0	963.7	949.7
27.5°	1109.0	1070.9	1033.6	1004.9	974.7	955.4	937.6	926.4	911.2	900.6	892.9
30°	1073.7	1028.9	996.6	970.7	932.1	913.9	900.6	886.6	875.4	864.2	856.5
32.5°	1032.8	991.8	961.3	929.2	899.6	879.7	862.5	850.2	840.6	829.9	822.2
35°	968.6	934.2	902.7	870.5	848.7	828.4	808.1	797.5	788.5	778.6	771.7
37.5°	910.5	878.4	848.5	817.9	790.9	774.5	758.0	750.0	737.7	731.1	724.0
40°	874.7	843.1	810.9	781.5	753.4	740.8	726.1	714.2	702.9	698.0	690.4
42.5°	835.4	803.9	776.7	745.0	722.0	704.9	691.3	678.3	669.9	662.7	658.4
45°	777.2	749.2	722.6	691.1	669.3	654.6	639.2	627.2	619.6	614.7	606.9
47.5°	720.8	692.8	665.7	638.2	617.2	600.4	585.0	576.7	566.4	560.4	555.2
50°	679.8	654.6	625.9	600.7	579.6	562.8	550.2	539.7	530.6	522.8	519.3
52.5°	642.3	615.4	590.6	566.9	544.8	525.8	514.2	503.2	496.3	487.5	483.5
55°	580.3	554.4	533.3	510.2	488.5	472.3	458.3	448.5	441.6	431.8	426.1
57.5°	522.1	498.9	473.8	453.7	431.3	417.7	406.1	392.8	384.2	376.5	371.0
60°	482.9	456.3	434.5	415.6	396.0	378.4	367.9	357.4	348.3	340.6	335.7
62.5°	441.9	418.7	398.1	377.5	359.5	344.3	332.1	323.2	315.2	310.3	305.4
65°	379.2	361.0	339.9	323.1	306.3	295.1	285.3	277.5	272.0	268.4	264.2
67.5°	321.4	303.7	285.3	268.9	257.6	249.1	242.6	236.0	233.3	228.7	226.0
70°	283.8	265.6	249.5	236.9	225.7	219.4	215.2	210.3	207.4	201.9	199.0
72.5°	242.9	229.7	218.1	207.8	198.8	193.1	187.7	181.6	177.2	171.0	168.2
75°	191.4	179.4	170.3	163.3	157.7	150.0	142.3	136.0	133.8	131.8	131.1
77.5°	141.7	134.1	127.5	121.6	114.7	109.1	107.4	105.9	105.6	104.4	104.4
80°	111.5	104.4	99.5	92.5	88.3	88.3	88.3	86.9	87.6	87.6	87.6
82.5°	82.8	76.4	73.7	71.2	70.4	70.9	70.9	71.2	70.8	71.9	71.3
85°	42.7	43.4	44.9	44.1	44.9	44.9	46.3	45.6	46.3	44.9	46.3
87.5°	16.7	18.6	19.5	20.3	21.2	21.0	21.6	21.7	22.3	22.5	22.5
90°	5.0	6.3	7.8	9.3	10.7	12.2	12.7	13.1	13.6	14.0	14.4
92.5°	8.2	8.6	9.7	10.8	11.9	13.0	13.7	14.4	15.2	15.9	16.3
95°	12.5	10.8	12.0	13.3	14.5	15.8	16.6	17.4	18.1	18.9	19.4
97.5°	54.0	49.0	40.8	32.6	24.5	16.4	17.3	18.2	19.1	20.0	20.5
100°	95.0	87.3	69.6	52.1	34.4	16.8	17.7	18.5	19.5	20.4	20.9
102.5°	119.3	110.5	91.2	72.0	52.7	33.4	30.7	27.8	25.1	22.3	21.0
105°	156.5	152.0	141.9	131.7	121.5	111.4	91.4	71.3	51.4	31.4	21.5
107.5°	196.4	197.7	199.3	200.9	202.5	204.1	189.5	174.8	160.2	145.4	130.6
110°	223.3	224.4	225.6	226.9	228.1	229.3	225.6	221.9	218.2	214.5	204.5



TEST NUMBER: P332366-940

CATALOG NUMBER: S123RDIP-S1165D585U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	249.0	250.0	251.3	252.5	253.8	255.0	255.1	255.1	255.2	255.3	253.6
115°	287.0	287.8	288.9	289.9	290.9	291.9	293.1	294.2	295.3	296.5	297.2
117.5°	324.9	325.7	326.2	326.7	327.3	327.7	328.7	329.6	330.5	331.4	331.9
120°	348.9	349.6	349.9	350.3	350.6	350.9	351.9	352.8	353.7	354.5	355.0
122.5°	371.8	372.4	372.8	373.3	373.7	374.2	374.8	375.4	376.0	376.7	377.0
125°	404.4	405.1	405.6	406.0	406.4	406.9	407.1	407.3	407.5	407.8	408.0
127.5°	435.7	436.4	436.9	437.6	438.1	438.6	439.0	439.3	439.7	440.1	440.1
130°	455.2	455.9	456.4	456.8	457.3	457.7	458.2	458.6	459.1	459.5	459.7
132.5°	473.9	474.6	474.9	475.3	475.6	476.1	476.5	477.0	477.4	477.9	478.0
135°	501.7	502.2	502.7	503.1	503.5	504.0	504.4	504.7	505.1	505.3	505.3
137.5°	526.7	527.4	527.5	527.8	528.1	528.3	528.9	529.4	529.9	530.5	530.7
140°	542.3	542.9	543.1	543.5	543.9	544.2	544.7	545.1	545.5	546.0	546.1
142.5°	557.4	557.9	558.2	558.6	558.9	559.3	559.6	560.0	560.4	560.7	560.7
145°	578.9	579.4	579.6	579.9	580.1	580.3	580.5	580.8	580.9	581.2	581.3
147.5°	597.6	598.0	598.2	598.4	598.7	599.0	599.1	599.4	599.6	599.9	599.7
150°	609.1	609.4	609.7	609.8	610.1	610.3	610.6	610.7	611.0	611.2	611.2
152.5°	619.4	619.6	619.6	619.8	619.9	620.1	620.5	620.9	621.3	621.7	621.6
155°	633.3	633.3	633.4	633.5	633.6	633.7	634.3	634.8	635.4	636.0	635.9
157.5°	646.1	646.0	646.0	645.9	645.7	645.6	646.3	646.9	647.6	648.4	648.2
160°	653.1	653.0	652.8	652.7	652.6	652.6	653.2	653.9	654.5	655.2	655.1
162.5°	659.2	659.1	659.0	658.9	658.7	658.6	659.4	660.1	660.9	661.7	661.7
165°	667.4	667.2	667.1	667.0	666.9	666.7	667.7	668.6	669.5	670.4	670.5
167.5°	673.5	673.2	673.2	673.2	673.2	673.2	674.2	675.1	676.0	676.9	676.9
170°	677.2	676.9	676.9	676.9	676.9	676.9	677.9	678.8	679.7	680.6	680.6
172.5°	679.2	679.0	679.1	679.2	679.3	679.4	680.3	681.2	682.1	683.0	683.0
175°	682.3	682.1	682.2	682.3	682.4	682.5	683.3	684.1	684.9	685.7	685.6
177.5°	683.6	683.4	683.5	683.6	683.7	683.8	684.5	685.2	685.9	686.6	686.5
180°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6



TEST NUMBER: P332366-940

CATALOG NUMBER: S123RDIP-S1165D585U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2
2.5°	1559.9	1559.2	1559.9	1557.6	1559.9	1559.2	1559.9	1566.6	1566.6	1567.1	1567.7
5°	1451.4	1450.8	1448.7	1442.3	1448.7	1450.8	1451.4	1453.6	1459.2	1469.0	1466.2
7.5°	1356.8	1355.8	1349.7	1349.9	1349.7	1355.8	1356.8	1362.4	1368.6	1374.7	1381.8
10°	1300.8	1301.5	1293.1	1288.2	1293.1	1301.5	1300.8	1305.7	1314.8	1319.7	1324.6
12.5°	1246.4	1243.2	1236.4	1231.0	1236.4	1243.2	1246.4	1250.2	1262.7	1268.1	1277.6
15°	1174.7	1167.6	1150.8	1152.2	1150.8	1167.6	1174.7	1171.8	1184.5	1191.4	1194.3
17.5°	1090.1	1084.9	1084.7	1074.9	1084.7	1084.9	1090.1	1095.7	1106.6	1114.2	1134.3
20°	1040.8	1037.2	1038.7	1028.9	1038.7	1037.2	1040.8	1052.0	1059.0	1068.8	1084.9
22.5°	1002.1	998.5	992.7	989.6	992.7	998.5	1002.1	1010.0	1017.5	1031.3	1040.1
25°	945.5	939.9	934.2	937.7	934.2	939.9	945.5	949.7	963.7	970.0	982.6
27.5°	888.9	884.7	879.0	878.3	879.0	884.7	888.9	892.9	900.6	911.2	926.4
30°	852.9	848.7	846.0	842.4	846.0	848.7	852.9	856.5	864.2	875.4	886.6
32.5°	816.5	815.6	810.7	809.9	810.7	815.6	816.5	822.2	829.9	840.6	850.2
35°	768.8	764.6	763.2	763.9	763.2	764.6	768.8	771.7	778.6	788.5	797.5
37.5°	723.5	717.9	715.4	712.9	715.4	717.9	723.5	724.0	731.1	737.7	750.0
40°	691.1	685.5	684.0	682.6	684.0	685.5	691.1	690.4	698.0	702.9	714.2
42.5°	654.6	652.4	651.5	649.0	651.5	652.4	654.6	658.4	662.7	669.9	678.3
45°	604.8	604.1	599.9	601.4	599.9	604.1	604.8	606.9	614.7	619.6	627.2
47.5°	552.4	549.3	546.4	548.3	546.4	549.3	552.4	555.2	560.4	566.4	576.7
50°	516.6	515.1	508.8	510.2	508.8	515.1	516.6	519.3	522.8	530.6	539.7
52.5°	480.6	475.3	473.0	472.1	473.0	475.3	480.6	483.5	487.5	496.3	503.2
55°	421.2	414.9	412.1	410.7	412.1	414.9	421.2	426.1	431.8	441.6	448.5
57.5°	362.9	361.2	359.0	360.5	359.0	361.2	362.9	371.0	376.5	384.2	392.8
60°	328.7	328.7	328.7	328.0	328.7	328.7	328.7	335.7	340.6	348.3	357.4
62.5°	302.4	300.7	300.1	301.1	300.1	300.7	302.4	305.4	310.3	315.2	323.2
65°	262.2	261.4	258.6	257.9	258.6	261.4	262.2	264.2	268.4	272.0	277.5
67.5°	224.2	221.6	220.8	219.8	220.8	221.6	224.2	226.0	228.7	233.3	236.0
70°	195.6	194.1	189.9	190.6	189.9	194.1	195.6	199.0	201.9	207.4	210.3
72.5°	164.7	163.3	162.5	161.5	162.5	163.3	164.7	168.2	171.0	177.2	181.6
75°	130.4	129.7	128.9	131.8	128.9	129.7	130.4	131.1	131.8	133.8	136.0
77.5°	104.4	104.4	104.9	103.7	104.9	104.4	104.4	104.4	104.4	105.6	105.9
80°	87.6	87.6	86.9	86.9	86.9	87.6	87.6	87.6	87.6	87.6	86.9
82.5°	70.3	70.8	71.2	70.1	71.2	70.8	70.3	71.3	71.9	70.8	71.2
85°	46.3	45.6	47.0	46.3	47.0	45.6	46.3	46.3	44.9	46.3	45.6
87.5°	23.6	22.6	22.6	23.3	22.6	22.6	23.6	22.5	22.5	22.3	21.7
90°	14.6	14.8	15.1	15.2	15.1	14.8	14.6	14.4	14.0	13.6	13.1
92.5°	16.5	16.6	16.8	16.9	16.8	16.6	16.5	16.3	15.9	15.2	14.4
95°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	18.9	18.1	17.4
97.5°	20.6	20.7	20.9	21.0	20.9	20.7	20.6	20.5	20.0	19.1	18.2
100°	21.0	21.1	21.2	21.4	21.2	21.1	21.0	20.9	20.4	19.5	18.5
102.5°	21.1	21.4	21.6	21.8	21.6	21.4	21.1	21.0	22.3	25.1	27.8
105°	21.7	21.9	22.1	22.4	22.1	21.9	21.7	21.5	31.4	51.4	71.3
107.5°	115.5	100.4	85.3	70.3	85.3	100.4	115.5	130.6	145.4	160.2	174.8
110°	188.3	172.2	156.0	139.8	156.0	172.2	188.3	204.5	214.5	218.2	221.9



TEST NUMBER: P332366-940

CATALOG NUMBER: S123RDIP-S1165D585U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	250.2	246.7	243.3	240.0	243.3	246.7	250.2	253.6	255.3	255.2	255.1
115°	297.7	298.2	298.6	299.1	298.6	298.2	297.7	297.2	296.5	295.3	294.2
117.5°	332.0	332.1	332.2	332.3	332.2	332.1	332.0	331.9	331.4	330.5	329.6
120°	355.0	355.0	355.0	355.0	355.0	355.0	355.0	355.0	354.5	353.7	352.8
122.5°	377.1	377.2	377.3	377.4	377.3	377.2	377.1	377.0	376.7	376.0	375.4
125°	408.2	408.5	408.7	408.9	408.7	408.5	408.2	408.0	407.8	407.5	407.3
127.5°	439.9	439.7	439.4	439.3	439.4	439.7	439.9	440.1	440.1	439.7	439.3
130°	459.4	459.2	459.0	458.8	459.0	459.2	459.4	459.7	459.5	459.1	458.6
132.5°	477.6	477.2	477.0	476.6	477.0	477.2	477.6	478.0	477.9	477.4	477.0
135°	505.1	504.7	504.4	504.0	504.4	504.7	505.1	505.3	505.3	505.1	504.7
137.5°	530.4	530.2	529.9	529.8	529.9	530.2	530.4	530.7	530.5	529.9	529.4
140°	545.9	545.6	545.5	545.2	545.5	545.6	545.9	546.1	546.0	545.5	545.1
142.5°	560.4	560.1	559.7	559.5	559.7	560.1	560.4	560.7	560.7	560.4	560.0
145°	581.3	581.3	581.3	581.3	581.3	581.3	581.3	581.3	581.2	580.9	580.8
147.5°	599.1	598.6	598.2	597.6	598.2	598.6	599.1	599.7	599.9	599.6	599.4
150°	610.8	610.5	610.1	609.8	610.1	610.5	610.8	611.2	611.2	611.0	610.7
152.5°	621.2	620.6	620.1	619.6	620.1	620.6	621.2	621.6	621.7	621.3	620.9
155°	635.3	634.5	633.9	633.2	633.9	634.5	635.3	635.9	636.0	635.4	634.8
157.5°	647.3	646.5	645.6	644.7	645.6	646.5	647.3	648.2	648.4	647.6	646.9
160°	654.4	653.6	652.8	652.0	652.8	653.6	654.4	655.1	655.2	654.5	653.9
162.5°	661.0	660.3	659.6	659.0	659.6	660.3	661.0	661.7	661.7	660.9	660.1
165°	669.7	668.9	668.1	667.3	668.1	668.9	669.7	670.5	670.4	669.5	668.6
167.5°	676.0	675.1	674.2	673.2	674.2	675.1	676.0	676.9	676.9	676.0	675.1
170°	679.7	678.8	677.9	676.9	677.9	678.8	679.7	680.6	680.6	679.7	678.8
172.5°	682.0	681.0	679.9	678.9	679.9	681.0	682.0	683.0	683.0	682.1	681.2
175°	684.7	683.9	683.0	682.0	683.0	683.9	684.7	685.6	685.7	684.9	684.1
177.5°	685.6	684.7	683.9	683.0	683.9	684.7	685.6	686.5	686.6	685.9	685.2
180°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6



TEST NUMBER: P332366-940

CATALOG NUMBER: S123RDIP-S1165D585U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2
2.5°	1562.6	1570.5	1578.3	1585.6	1596.9	1601.9	1609.2	1611.9	1620.4	1632.7	1642.8
5°	1467.6	1478.8	1493.5	1505.5	1524.4	1539.1	1555.2	1570.7	1588.9	1614.8	1637.9
7.5°	1387.0	1398.1	1415.8	1437.9	1458.7	1479.6	1501.6	1522.7	1548.7	1585.9	1622.7
10°	1333.7	1347.0	1368.1	1391.9	1417.8	1438.2	1464.1	1490.8	1523.0	1565.8	1609.9
12.5°	1287.7	1297.7	1322.1	1344.8	1374.1	1400.1	1425.4	1456.5	1493.3	1538.8	1591.9
15°	1214.6	1228.6	1252.4	1277.6	1308.5	1335.9	1368.8	1406.6	1442.3	1498.4	1562.9
17.5°	1141.1	1162.4	1187.2	1215.7	1238.6	1276.2	1312.0	1350.9	1394.8	1454.3	1525.1
20°	1094.0	1110.9	1134.0	1175.4	1205.5	1234.2	1267.1	1315.5	1356.1	1423.4	1497.0
22.5°	1054.3	1066.6	1092.5	1126.6	1161.7	1195.0	1228.4	1274.6	1324.7	1388.7	1468.5
25°	995.2	1014.9	1034.5	1059.0	1096.8	1136.8	1173.2	1212.5	1265.8	1333.7	1420.0
27.5°	937.6	955.4	974.7	1004.9	1033.6	1070.9	1109.0	1154.1	1211.2	1283.2	1370.6
30°	900.6	913.9	932.1	970.7	996.6	1028.9	1073.7	1113.7	1166.9	1243.3	1335.9
32.5°	862.5	879.7	899.6	929.2	961.3	991.8	1032.8	1076.1	1130.5	1205.8	1300.5
35°	808.1	828.4	848.7	870.5	902.7	934.2	968.6	1016.3	1071.6	1144.5	1237.7
37.5°	758.0	774.5	790.9	817.9	848.5	878.4	910.5	957.5	1009.7	1088.3	1173.8
40°	726.1	740.8	753.4	781.5	810.9	843.1	874.7	916.1	972.1	1045.7	1128.4
42.5°	691.3	704.9	722.0	745.0	776.7	803.9	835.4	874.5	927.2	1001.9	1074.5
45°	639.2	654.6	669.3	691.1	722.6	749.2	777.2	814.4	868.3	930.1	994.5
47.5°	585.0	600.4	617.2	638.2	665.7	692.8	720.8	753.7	802.9	863.4	906.9
50°	550.2	562.8	579.6	600.7	625.9	654.6	679.8	715.6	762.5	810.2	848.0
52.5°	514.2	525.8	544.8	566.9	590.6	615.4	642.3	673.0	715.4	760.3	790.3
55°	458.3	472.3	488.5	510.2	533.3	554.4	580.3	611.9	645.5	679.1	699.5
57.5°	406.1	417.7	431.3	453.7	473.8	498.9	522.1	546.7	577.8	603.2	616.4
60°	367.9	378.4	396.0	415.6	434.5	456.3	482.9	507.4	531.3	551.6	562.0
62.5°	332.1	344.3	359.5	377.5	398.1	418.7	441.9	462.5	483.6	501.1	508.3
65°	285.3	295.1	306.3	323.1	339.9	361.0	379.2	400.2	415.6	425.4	431.8
67.5°	242.6	249.1	257.6	268.9	285.3	303.7	321.4	337.8	350.7	357.4	363.0
70°	215.2	219.4	225.7	236.9	249.5	265.6	283.8	295.8	307.0	312.5	318.2
72.5°	187.7	193.1	198.8	207.8	218.1	229.7	242.9	257.6	263.8	270.5	273.9
75°	142.3	150.0	157.7	163.3	170.3	179.4	191.4	200.5	203.9	209.6	210.3
77.5°	107.4	109.1	114.7	121.6	127.5	134.1	141.7	149.8	151.5	154.4	156.3
80°	88.3	88.3	88.3	92.5	99.5	104.4	111.5	115.7	118.4	119.1	119.8
82.5°	70.9	70.9	70.4	71.2	73.7	76.4	82.8	87.6	89.9	89.4	87.9
85°	46.3	44.9	44.9	44.1	44.9	43.4	42.7	45.6	49.8	49.8	48.3
87.5°	21.6	21.0	21.2	20.3	19.5	18.6	16.7	17.0	16.9	18.8	18.0
90°	12.7	12.2	10.7	9.3	7.8	6.3	5.0	3.9	2.8	1.6	0.5
92.5°	13.7	13.0	11.9	10.8	9.7	8.6	8.2	8.5	8.8	9.2	9.5
95°	16.6	15.8	14.5	13.3	12.0	10.8	12.5	17.1	21.8	26.4	31.0
97.5°	17.3	16.4	24.5	32.6	40.8	49.0	54.0	56.1	58.2	60.3	62.3
100°	17.7	16.8	34.4	52.1	69.6	87.3	95.0	92.7	90.5	88.2	86.0
102.5°	30.7	33.4	52.7	72.0	91.2	110.5	119.3	117.7	116.1	114.4	112.8
105°	91.4	111.4	121.5	131.7	141.9	152.0	156.5	155.2	154.1	152.8	151.6
107.5°	189.5	204.1	202.5	200.9	199.3	197.7	196.4	195.5	194.5	193.4	192.4
110°	225.6	229.3	228.1	226.9	225.6	224.4	223.3	222.4	221.5	220.6	219.7



TEST NUMBER: P332366-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	255.1	255.0	253.8	252.5	251.3	250.0	249.0	248.2	247.4	246.6	245.8
115°	293.1	291.9	290.9	289.9	288.9	287.8	287.0	286.3	285.6	285.0	284.3
117.5°	328.7	327.7	327.3	326.7	326.2	325.7	324.9	324.1	323.3	322.4	321.6
120°	351.9	350.9	350.6	350.3	349.9	349.6	348.9	347.9	346.9	345.8	344.8
122.5°	374.8	374.2	373.7	373.3	372.8	372.4	371.8	371.0	370.1	369.3	368.5
125°	407.1	406.9	406.4	406.0	405.6	405.1	404.4	403.5	402.6	401.7	400.7
127.5°	439.0	438.6	438.1	437.6	436.9	436.4	435.7	434.8	433.9	433.0	432.1
130°	458.2	457.7	457.3	456.8	456.4	455.9	455.2	454.3	453.4	452.5	451.7
132.5°	476.5	476.1	475.6	475.3	474.9	474.6	473.9	473.1	472.2	471.3	470.4
135°	504.4	504.0	503.5	503.1	502.7	502.2	501.7	501.0	500.2	499.6	498.9
137.5°	528.9	528.3	528.1	527.8	527.5	527.4	526.7	525.9	525.0	524.2	523.3
140°	544.7	544.2	543.9	543.5	543.1	542.9	542.3	541.6	541.0	540.3	539.6
142.5°	559.6	559.3	558.9	558.6	558.2	557.9	557.4	556.7	556.1	555.4	554.6
145°	580.5	580.3	580.1	579.9	579.6	579.4	578.9	578.1	577.3	576.5	575.7
147.5°	599.1	599.0	598.7	598.4	598.2	598.0	597.6	597.1	596.6	596.1	595.6
150°	610.6	610.3	610.1	609.8	609.7	609.4	609.1	608.8	608.4	608.1	607.8
152.5°	620.5	620.1	619.9	619.8	619.6	619.6	619.4	619.2	619.0	618.9	618.8
155°	634.3	633.7	633.6	633.5	633.4	633.3	633.3	633.6	633.7	634.0	634.2
157.5°	646.3	645.6	645.7	645.9	646.0	646.0	646.1	646.1	646.1	646.2	646.2
160°	653.2	652.6	652.6	652.7	652.8	653.0	653.1	653.2	653.4	653.4	653.5
162.5°	659.4	658.6	658.7	658.9	659.0	659.1	659.2	659.6	659.9	660.1	660.5
165°	667.7	666.7	666.9	667.0	667.1	667.2	667.4	667.8	668.2	668.4	668.8
167.5°	674.2	673.2	673.2	673.2	673.2	673.2	673.5	674.0	674.4	674.8	675.3
170°	677.9	676.9	676.9	676.9	676.9	676.9	677.2	677.6	678.1	678.5	678.9
172.5°	680.3	679.4	679.3	679.2	679.1	679.0	679.2	679.8	680.3	680.9	681.4
175°	683.3	682.5	682.4	682.3	682.2	682.1	682.3	682.9	683.4	684.0	684.6
177.5°	684.5	683.8	683.7	683.6	683.5	683.4	683.6	684.0	684.5	684.9	685.4
180°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6



TEST NUMBER: P332366-940

CATALOG NUMBER: S123RDIP-S1165D585U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2
2.5°	1646.2	1652.3	1660.2	1672.0	1681.0	1688.8	1690.5	1692.7	1698.4	1707.8	1715.1
5°	1656.8	1672.9	1698.9	1724.1	1751.4	1773.9	1794.9	1809.6	1823.6	1853.1	1876.9
7.5°	1653.5	1689.3	1730.0	1775.3	1821.1	1865.5	1906.7	1943.6	1980.3	2023.2	2072.2
10°	1651.2	1693.3	1747.9	1806.1	1869.9	1932.2	1992.5	2039.5	2094.2	2143.2	2205.6
12.5°	1640.6	1701.1	1766.5	1840.8	1919.2	1991.1	2070.5	2135.4	2197.9	2268.8	2341.3
15°	1626.7	1700.3	1783.0	1881.8	2000.9	2087.9	2169.2	2282.0	2359.1	2436.2	2539.9
17.5°	1601.3	1691.1	1794.5	1922.9	2022.2	2139.0	2261.4	2350.5	2454.4	2563.0	2656.9
20°	1581.1	1685.6	1801.2	1927.3	2054.2	2181.0	2299.5	2406.0	2513.3	2638.8	2715.8
22.5°	1560.9	1664.3	1784.4	1918.4	2054.8	2188.3	2322.5	2447.6	2568.2	2694.8	2793.2
25°	1518.0	1640.7	1771.0	1907.7	2042.3	2189.5	2349.3	2488.8	2638.0	2768.4	2861.6
27.5°	1474.6	1587.0	1716.8	1855.5	2005.0	2179.0	2367.0	2525.5	2675.0	2768.4	2797.7
30°	1435.4	1554.5	1673.7	1814.5	1976.4	2170.5	2370.3	2551.8	2674.5	2715.1	2684.9
32.5°	1395.5	1503.5	1621.5	1765.8	1937.7	2149.8	2374.8	2536.1	2609.9	2578.9	2456.2
35°	1325.3	1422.7	1537.0	1681.3	1879.0	2138.3	2356.3	2465.6	2447.4	2272.2	2040.9
37.5°	1250.2	1329.5	1435.4	1586.4	1818.2	2092.8	2276.6	2292.8	2135.1	1866.1	1598.9
40°	1190.8	1262.2	1370.9	1528.6	1771.0	2047.9	2196.5	2131.3	1886.7	1587.4	1364.6
42.5°	1133.0	1193.3	1298.0	1468.0	1726.2	1986.8	2077.1	1935.1	1652.9	1369.9	1167.2
45°	1035.2	1091.9	1197.0	1371.5	1634.4	1869.9	1858.0	1611.2	1328.8	1101.1	932.8
47.5°	942.4	992.0	1090.7	1268.8	1526.6	1694.7	1583.2	1320.7	1081.1	898.4	778.4
50°	876.7	925.9	1024.0	1199.9	1440.3	1562.9	1403.8	1150.8	931.5	780.1	684.7
52.5°	814.0	861.9	951.6	1123.0	1336.0	1409.3	1238.4	1003.9	821.0	690.4	608.5
55°	726.1	762.5	843.1	1007.1	1166.3	1183.0	1010.0	813.7	663.0	571.9	515.9
57.5°	636.5	667.9	747.5	878.2	989.7	981.1	816.9	647.2	545.7	478.0	437.3
60°	578.2	609.0	679.1	791.3	875.4	846.0	695.3	558.6	471.7	422.0	389.7
62.5°	523.8	548.0	613.5	695.4	755.9	722.6	594.3	481.2	412.2	370.3	344.8
65°	445.1	464.7	517.2	560.0	593.6	561.4	454.9	376.4	326.6	297.2	279.6
67.5°	370.1	382.6	415.9	431.3	455.0	419.6	342.1	289.4	261.2	236.3	224.2
70°	323.1	332.2	349.7	362.3	368.6	332.2	274.7	236.2	212.3	194.8	187.2
72.5°	276.0	284.0	287.5	297.8	294.6	260.5	220.9	190.2	173.1	161.2	151.2
75°	211.0	214.5	211.0	206.8	197.6	173.8	146.5	131.1	118.4	112.8	109.3
77.5°	153.7	152.7	147.8	141.3	125.7	110.8	96.0	90.9	85.3	82.4	81.1
80°	118.4	115.7	111.5	100.9	87.6	77.1	73.6	70.1	67.9	64.5	63.8
82.5°	88.2	86.5	79.5	70.6	61.3	56.4	53.4	52.2	50.0	48.2	48.1
85°	47.0	44.9	37.2	32.3	30.9	29.4	28.7	28.7	25.9	25.2	25.2
87.5°	15.4	12.3	12.0	10.5	10.8	10.0	10.8	10.0	9.7	10.3	9.4
90°	1.6	2.8	3.9	5.0	6.3	7.8	9.3	10.7	12.2	12.7	13.1
92.5°	9.2	8.8	8.5	8.2	8.6	9.7	10.8	11.9	13.0	13.7	14.4
95°	26.4	21.8	17.1	12.5	10.8	12.0	13.3	14.5	15.8	16.6	17.4
97.5°	60.3	58.2	56.1	54.0	49.0	40.8	32.6	24.5	16.4	17.3	18.2
100°	88.2	90.5	92.7	95.0	87.3	69.6	52.1	34.4	16.8	17.7	18.5
102.5°	114.4	116.1	117.7	119.3	110.5	91.2	72.0	52.7	33.4	30.7	27.8
105°	152.8	154.1	155.2	156.5	152.0	141.9	131.7	121.5	111.4	91.4	71.3
107.5°	193.4	194.5	195.5	196.4	197.7	199.3	200.9	202.5	204.1	189.5	174.8
110°	220.6	221.5	222.4	223.3	224.4	225.6	226.9	228.1	229.3	225.6	221.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	246.6	247.4	248.2	249.0	250.0	251.3	252.5	253.8	255.0	255.1	255.1
115°	285.0	285.6	286.3	287.0	287.8	288.9	289.9	290.9	291.9	293.1	294.2
117.5°	322.4	323.3	324.1	324.9	325.7	326.2	326.7	327.3	327.7	328.7	329.6
120°	345.8	346.9	347.9	348.9	349.6	349.9	350.3	350.6	350.9	351.9	352.8
122.5°	369.3	370.1	371.0	371.8	372.4	372.8	373.3	373.7	374.2	374.8	375.4
125°	401.7	402.6	403.5	404.4	405.1	405.6	406.0	406.4	406.9	407.1	407.3
127.5°	433.0	433.9	434.8	435.7	436.4	436.9	437.6	438.1	438.6	439.0	439.3
130°	452.5	453.4	454.3	455.2	455.9	456.4	456.8	457.3	457.7	458.2	458.6
132.5°	471.3	472.2	473.1	473.9	474.6	474.9	475.3	475.6	476.1	476.5	477.0
135°	499.6	500.2	501.0	501.7	502.2	502.7	503.1	503.5	504.0	504.4	504.7
137.5°	524.2	525.0	525.9	526.7	527.4	527.5	527.8	528.1	528.3	528.9	529.4
140°	540.3	541.0	541.6	542.3	542.9	543.1	543.5	543.9	544.2	544.7	545.1
142.5°	555.4	556.1	556.7	557.4	557.9	558.2	558.6	558.9	559.3	559.6	560.0
145°	576.5	577.3	578.1	578.9	579.4	579.6	579.9	580.1	580.3	580.5	580.8
147.5°	596.1	596.6	597.1	597.6	598.0	598.2	598.4	598.7	599.0	599.1	599.4
150°	608.1	608.4	608.8	609.1	609.4	609.7	609.8	610.1	610.3	610.6	610.7
152.5°	618.9	619.0	619.2	619.4	619.6	619.6	619.8	619.9	620.1	620.5	620.9
155°	634.0	633.7	633.6	633.3	633.3	633.4	633.5	633.6	633.7	634.3	634.8
157.5°	646.2	646.1	646.1	646.1	646.0	646.0	645.9	645.7	645.6	646.3	646.9
160°	653.4	653.4	653.2	653.1	653.0	652.8	652.7	652.6	652.6	653.2	653.9
162.5°	660.1	659.9	659.6	659.2	659.1	659.0	658.9	658.7	658.6	659.4	660.1
165°	668.4	668.2	667.8	667.4	667.2	667.1	667.0	666.9	666.7	667.7	668.6
167.5°	674.8	674.4	674.0	673.5	673.2	673.2	673.2	673.2	673.2	674.2	675.1
170°	678.5	678.1	677.6	677.2	676.9	676.9	676.9	676.9	676.9	677.9	678.8
172.5°	680.9	680.3	679.8	679.2	679.0	679.1	679.2	679.3	679.4	680.3	681.2
175°	684.0	683.4	682.9	682.3	682.1	682.2	682.3	682.4	682.5	683.3	684.1
177.5°	684.9	684.5	684.0	683.6	683.4	683.5	683.6	683.7	683.8	684.5	685.2
180°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2	1637.2
2.5°	1726.9	1726.9	1729.1	1737.6	1738.7	1746.0	1743.7
5°	1897.9	1911.2	1916.1	1937.2	1949.8	1955.4	1944.2
7.5°	2107.0	2144.7	2162.4	2184.4	2204.0	2209.8	2194.5
10°	2259.6	2298.8	2331.7	2352.1	2371.0	2383.6	2399.8
12.5°	2407.0	2455.2	2486.5	2515.2	2534.7	2550.7	2553.3
15°	2567.2	2640.1	2695.5	2736.1	2756.5	2767.0	2762.8
17.5°	2728.8	2796.4	2835.8	2877.3	2905.5	2906.9	2907.7
20°	2820.2	2886.1	2931.7	2962.5	2994.1	2992.7	2999.6
22.5°	2881.4	2933.2	2968.1	2990.5	3001.3	2996.1	2997.4
25°	2909.9	2925.3	2919.1	2883.3	2874.3	2841.3	2846.9
27.5°	2762.5	2689.6	2614.2	2517.2	2440.7	2379.5	2382.7
30°	2562.3	2433.4	2286.2	2162.8	2052.1	2021.2	1955.4
32.5°	2282.5	2089.1	1916.7	1801.8	1706.7	1681.0	1623.4
35°	1808.2	1620.4	1443.1	1336.5	1294.5	1235.6	1234.9
37.5°	1405.5	1240.1	1146.3	1066.4	1024.5	988.9	985.4
40°	1182.3	1053.4	982.6	925.1	883.8	857.1	850.9
42.5°	1026.4	922.2	855.9	820.3	788.5	774.7	764.5
45°	838.2	768.1	721.8	689.6	674.9	664.4	658.8
47.5°	701.2	654.2	622.7	601.2	589.2	578.2	581.1
50°	626.6	588.0	564.9	544.6	535.5	527.7	528.4
52.5°	566.6	532.0	513.3	498.6	487.2	481.8	479.1
55°	480.8	459.1	440.1	429.6	423.3	415.6	413.5
57.5°	410.1	393.3	377.9	366.0	364.4	357.0	358.0
60°	363.0	349.0	336.4	330.1	325.2	318.9	321.0
62.5°	324.3	312.5	301.1	295.9	291.0	286.3	287.3
65°	265.6	254.4	247.4	244.6	242.5	240.4	238.3
67.5°	211.7	204.8	200.5	194.4	190.1	189.4	187.3
70°	178.0	168.9	161.2	153.5	151.4	150.7	151.4
72.5°	142.7	137.0	134.8	131.1	130.6	128.9	130.1
75°	107.3	105.1	103.7	100.9	100.9	100.9	100.9
77.5°	79.1	77.8	77.0	76.4	75.7	74.7	74.5
80°	61.7	61.0	59.6	59.6	58.9	59.6	58.9
82.5°	46.5	46.4	45.0	45.0	44.3	43.9	44.3
85°	23.8	23.1	24.5	23.1	23.8	22.5	23.8
87.5°	9.5	9.5	9.0	9.1	8.6	9.7	8.6
90°	13.6	14.0	14.4	14.6	14.8	15.1	15.2
92.5°	15.2	15.9	16.3	16.5	16.6	16.8	16.9
95°	18.1	18.9	19.4	19.4	19.4	19.4	19.4
97.5°	19.1	20.0	20.5	20.6	20.7	20.9	21.0
100°	19.5	20.4	20.9	21.0	21.1	21.2	21.4
102.5°	25.1	22.3	21.0	21.1	21.4	21.6	21.8
105°	51.4	31.4	21.5	21.7	21.9	22.1	22.4
107.5°	160.2	145.4	130.6	115.5	100.4	85.3	70.3
110°	218.2	214.5	204.5	188.3	172.2	156.0	139.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	255.2	255.3	253.6	250.2	246.7	243.3	240.0
115°	295.3	296.5	297.2	297.7	298.2	298.6	299.1
117.5°	330.5	331.4	331.9	332.0	332.1	332.2	332.3
120°	353.7	354.5	355.0	355.0	355.0	355.0	355.0
122.5°	376.0	376.7	377.0	377.1	377.2	377.3	377.4
125°	407.5	407.8	408.0	408.2	408.5	408.7	408.9
127.5°	439.7	440.1	440.1	439.9	439.7	439.4	439.3
130°	459.1	459.5	459.7	459.4	459.2	459.0	458.8
132.5°	477.4	477.9	478.0	477.6	477.2	477.0	476.6
135°	505.1	505.3	505.3	505.1	504.7	504.4	504.0
137.5°	529.9	530.5	530.7	530.4	530.2	529.9	529.8
140°	545.5	546.0	546.1	545.9	545.6	545.5	545.2
142.5°	560.4	560.7	560.7	560.4	560.1	559.7	559.5
145°	580.9	581.2	581.3	581.3	581.3	581.3	581.3
147.5°	599.6	599.9	599.7	599.1	598.6	598.2	597.6
150°	611.0	611.2	611.2	610.8	610.5	610.1	609.8
152.5°	621.3	621.7	621.6	621.2	620.6	620.1	619.6
155°	635.4	636.0	635.9	635.3	634.5	633.9	633.2
157.5°	647.6	648.4	648.2	647.3	646.5	645.6	644.7
160°	654.5	655.2	655.1	654.4	653.6	652.8	652.0
162.5°	660.9	661.7	661.7	661.0	660.3	659.6	659.0
165°	669.5	670.4	670.5	669.7	668.9	668.1	667.3
167.5°	676.0	676.9	676.9	676.0	675.1	674.2	673.2
170°	679.7	680.6	680.6	679.7	678.8	677.9	676.9
172.5°	682.1	683.0	683.0	682.0	681.0	679.9	678.9
175°	684.9	685.7	685.6	684.7	683.9	683.0	682.0
177.5°	685.9	686.6	686.5	685.6	684.7	683.9	683.0
180°	684.6	684.6	684.6	684.6	684.6	684.6	684.6

(END OF REPORT)