

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: P332337-840

Luminaire Tested: **S123RDIP-S1000D585U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332337-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D585U840-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6031.0 lumens
Efficiency: N/A
Efficacy: 123.6 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

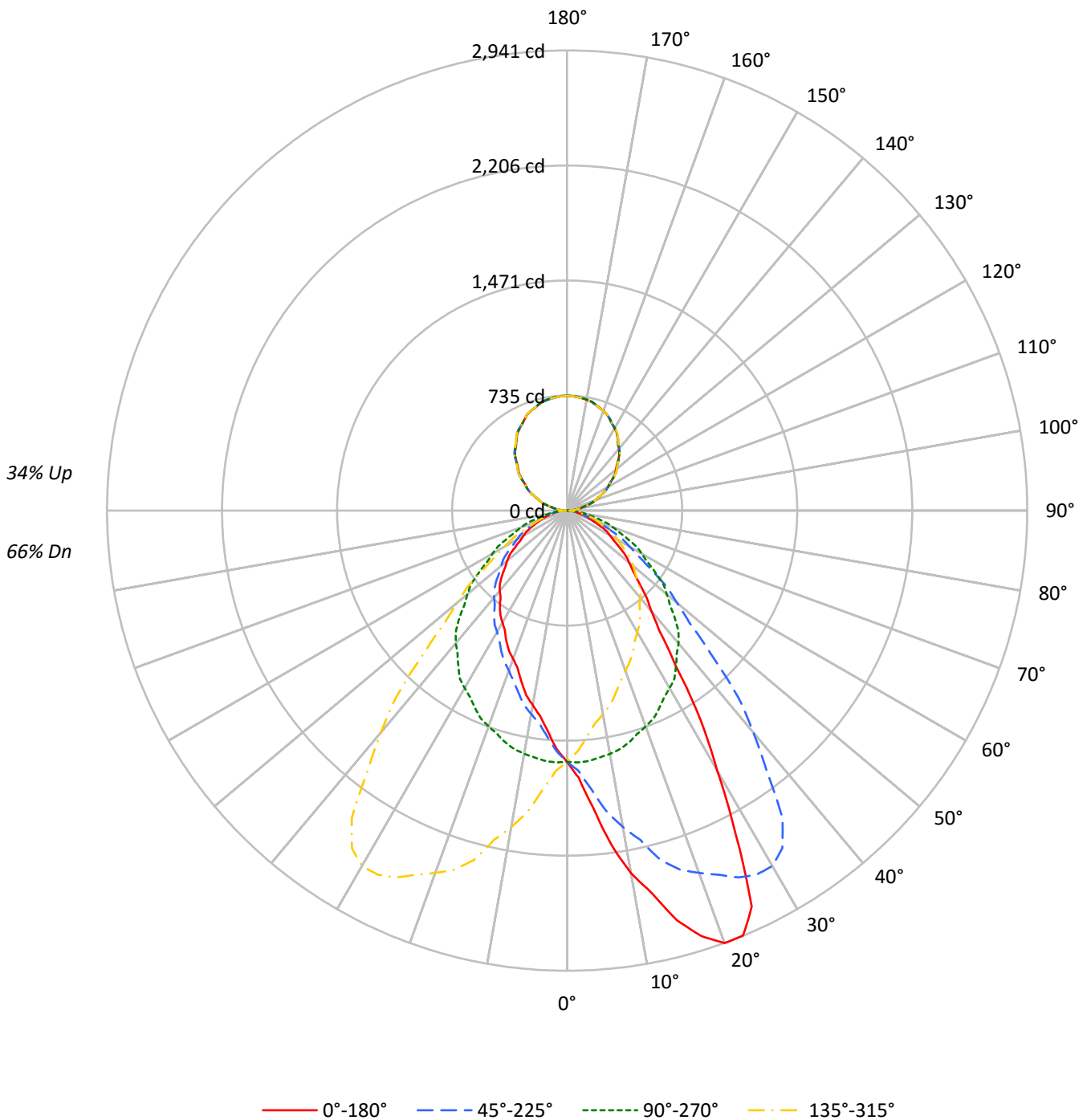
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

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	105	105	105	105	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	62	57
2	94	87	81	76	88	82	77	72	73	69	66	65	62	59	57	55	53	49
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	52	49	46	43
4	79	69	61	55	74	65	58	53	58	53	49	52	48	44	47	43	40	37
5	73	62	54	48	69	58	51	46	53	47	42	47	43	39	42	39	36	33
6	68	56	48	42	64	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	35	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	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17280	17280	17280	17280
5°	20599	17354	15282	17354
10°	25719	17254	13806	17254
15°	30190	17079	12590	17079
20°	33693	16814	11557	16814
25°	33155	16537	10922	16537
30°	23832	16281	10268	16281
35°	15912	15948	9843	15948
40°	11724	15548	9405	15548
45°	9834	14845	8977	14845
50°	8678	13924	8378	13924
55°	7610	12872	7557	12872
60°	6777	11866	6923	11866
65°	5952	10781	6441	10781
70°	4674	9819	5882	9819
75°	4117	8576	5373	8576
80°	3583	7283	5281	7283
85°	2878	5866	5595	5866



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	2.6
10°-20°	493.2	8.2
20°-30°	774.9	12.8
30°-40°	808.4	13.4
40°-50°	691.8	11.5
50°-60°	527.3	8.7
60°-70°	338.0	5.6
70°-80°	162.6	2.7
80°-90°	45.2	0.7
90°-100°	47.8	0.8
100°-110°	143.0	2.4
110°-120°	243.2	4.0
120°-130°	319.9	5.3
130°-140°	359.5	6.0
140°-150°	353.4	5.9
150°-160°	297.5	4.9
160°-170°	198.0	3.3
170°-180°	69.3	1.1
0°-30°	1426.0	23.6
0°-40°	2234.4	37.0
0°-60°	3453.6	57.3
0°-90°	3999.4	66.3
90°-120°	433.9	7.2
90°-150°	1466.7	24.3
90°-180°	2032.0	33.7
0°-180°	6031.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1605	1605	1605	1605	1605	
5°	1906	1606	1414	1606	1906	197
15°	2709	1533	1130	1533	2709	768
25°	2792	1392	920	1392	2792	1200
35°	1211	1214	749	1214	1211	794
45°	646	975	590	975	646	508
55°	406	686	403	686	406	367
65°	234	423	253	423	234	230
75°	99	206	129	206	99	106
85°	23	48	45	48	23	27
90°	17	1	17	1	17	9
95°	45	34	45	34	45	46
105°	137	130	137	130	137	145
115°	245	245	245	245	245	243
125°	354	358	354	358	354	317
135°	464	465	464	465	464	357
145°	564	564	564	564	564	352
155°	645	646	645	646	645	297
165°	701	703	701	703	701	198
175°	729	732	729	732	729	69
180°	733	733	733	733	733	



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1709.9	1712.0	1705.0	1703.8	1695.6	1693.3	1693.3	1681.8	1674.7	1665.4	1659.8
5°	1906.4	1917.4	1911.9	1899.6	1879.0	1874.1	1861.1	1840.5	1817.1	1788.2	1774.4
7.5°	2151.9	2166.9	2161.1	2142.0	2120.4	2102.9	2066.2	2031.9	1984.0	1941.9	1905.9
10°	2353.1	2337.3	2324.9	2306.4	2286.4	2254.1	2215.6	2162.7	2101.6	2053.5	1999.9
12.5°	2503.8	2501.1	2485.5	2466.4	2438.2	2407.5	2360.3	2295.8	2224.7	2155.3	2093.9
15°	2709.2	2713.2	2702.9	2683.0	2643.1	2588.9	2517.4	2490.6	2388.8	2313.3	2237.7
17.5°	2851.3	2850.4	2849.0	2821.5	2780.8	2742.1	2675.8	2605.4	2513.3	2406.7	2304.9
20°	2941.4	2934.6	2935.9	2905.0	2874.8	2830.0	2765.5	2663.1	2587.5	2464.5	2359.3
22.5°	2939.2	2937.8	2943.0	2932.4	2910.5	2876.3	2825.4	2739.0	2642.4	2518.3	2400.0
25°	2791.6	2786.1	2818.4	2827.3	2862.4	2868.5	2853.5	2806.0	2714.6	2586.8	2440.4
27.5°	2336.3	2333.3	2393.3	2468.3	2563.4	2637.4	2708.9	2743.4	2714.6	2623.1	2476.4
30°	1917.4	1982.1	2012.3	2120.8	2241.8	2386.1	2512.5	2632.8	2662.4	2622.5	2502.2
32.5°	1592.0	1648.3	1673.5	1766.8	1879.5	2048.5	2238.3	2408.5	2528.8	2559.3	2486.9
35°	1210.9	1211.6	1269.3	1310.6	1415.0	1588.9	1773.1	2001.2	2228.1	2399.8	2417.7
37.5°	966.2	969.7	1004.6	1045.7	1124.1	1216.0	1378.2	1567.9	1829.9	2093.7	2248.3
40°	834.4	840.5	866.7	907.2	963.5	1032.9	1159.4	1338.1	1556.6	1850.1	2089.9
42.5°	749.6	759.7	773.2	804.4	839.3	904.2	1006.5	1144.6	1343.3	1620.8	1897.5
45°	646.0	651.5	661.9	676.2	707.8	753.3	821.9	914.7	1079.6	1303.0	1579.9
47.5°	569.9	566.9	577.8	589.6	610.6	641.5	687.5	763.3	880.9	1060.2	1295.1
50°	518.2	517.5	525.0	534.0	553.9	576.6	614.4	671.5	764.9	913.3	1128.4
52.5°	469.8	472.4	477.8	488.9	503.3	521.6	555.5	596.6	676.9	805.1	984.4
55°	405.5	407.6	415.1	421.3	431.6	450.1	471.4	505.8	560.8	650.2	797.9
57.5°	351.0	350.1	357.4	358.9	370.5	385.7	402.1	428.9	468.7	535.1	634.6
60°	314.8	312.7	318.9	323.7	329.9	342.2	356.0	382.1	413.7	462.5	547.8
62.5°	281.8	280.8	285.4	290.1	295.3	306.5	318.1	338.1	363.1	404.2	471.9
65°	233.7	235.7	237.8	239.8	242.6	249.4	260.4	274.2	291.3	320.2	369.0
67.5°	183.6	185.7	186.4	190.7	196.5	200.9	207.5	219.7	231.8	256.1	283.9
70°	148.5	147.7	148.5	150.5	158.0	165.6	174.6	183.5	191.1	208.2	231.6
72.5°	127.5	126.3	128.2	128.6	132.2	134.3	140.0	148.3	158.0	169.8	186.5
75°	99.0	99.0	99.0	99.0	101.7	103.1	105.1	107.2	110.7	116.1	128.6
77.5°	73.1	73.2	74.2	74.9	75.4	76.2	77.6	79.6	80.8	83.7	89.1
80°	57.8	58.4	57.8	58.4	58.4	59.8	60.5	62.5	63.2	66.7	68.8
82.5°	43.4	43.0	43.4	44.1	44.1	45.5	45.6	47.2	47.3	49.1	51.1
85°	23.3	22.0	23.3	22.7	24.0	22.7	23.3	24.7	24.7	25.4	28.2
87.5°	9.0	10.0	8.9	9.4	9.3	9.8	9.7	9.6	10.6	9.9	10.1
90°	17.3	17.1	16.8	16.6	16.3	15.9	15.3	14.8	14.3	13.8	12.1
92.5°	23.2	23.4	23.5	23.7	23.9	23.7	23.3	22.9	22.5	22.1	21.2
95°	44.9	44.9	44.9	44.9	44.9	44.6	44.1	43.6	43.1	42.6	41.6
97.5°	69.1	69.2	69.2	69.3	69.3	69.1	68.5	67.9	67.3	66.8	65.9
100°	87.6	87.3	87.1	86.7	86.5	86.2	85.8	85.4	85.0	84.6	84.0
102.5°	106.4	106.5	106.5	106.6	106.6	106.4	106.1	105.7	105.3	104.9	104.1
105°	137.1	136.8	136.5	136.3	136.0	135.9	135.9	135.9	135.9	135.9	134.8
107.5°	169.1	169.2	169.4	169.5	169.7	169.5	169.1	168.6	168.2	167.8	167.4
110°	190.7	191.0	191.2	191.5	191.7	191.6	191.1	190.6	190.1	189.6	189.2



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.7	213.8	213.8	213.9	213.9	213.6	213.0	212.4	211.8	211.2	211.2
115°	245.4	245.5	245.6	245.8	245.9	245.9	245.8	245.6	245.5	245.4	245.6
117.5°	277.5	277.9	278.2	278.6	278.9	279.1	279.1	279.2	279.2	279.2	279.6
120°	300.1	300.3	300.6	300.8	301.1	301.3	301.4	301.5	301.7	301.8	302.5
122.5°	321.7	322.1	322.4	322.9	323.2	323.6	323.9	324.2	324.6	324.9	325.2
125°	354.3	354.8	355.3	355.8	356.3	356.8	357.3	357.8	358.3	358.9	359.1
127.5°	386.6	387.2	387.8	388.4	389.0	389.6	390.3	391.0	391.8	392.5	392.7
130°	407.8	408.7	409.6	410.5	411.4	412.1	412.6	413.1	413.6	414.1	414.5
132.5°	429.9	430.6	431.3	432.0	432.7	433.3	433.9	434.5	435.2	435.9	436.1
135°	464.2	464.5	464.7	465.0	465.2	465.6	466.2	466.7	467.3	467.8	467.9
137.5°	494.5	495.0	495.5	496.0	496.6	497.1	497.6	498.1	498.7	499.2	498.9
140°	514.4	515.2	516.1	517.1	518.0	518.5	518.6	518.8	518.9	519.0	518.9
142.5°	534.6	535.3	536.0	536.7	537.5	537.9	538.0	538.1	538.3	538.4	538.2
145°	563.9	564.4	564.9	565.4	565.9	566.3	566.4	566.5	566.6	566.8	566.4
147.5°	590.0	590.8	591.5	592.3	593.0	593.4	593.4	593.4	593.4	593.4	593.1
150°	606.5	607.3	608.0	608.8	609.7	610.0	610.0	610.0	610.0	610.0	609.8
152.5°	622.7	623.4	624.0	624.7	625.3	625.6	625.4	625.2	624.9	624.7	624.6
155°	644.6	645.5	646.3	647.2	648.1	648.3	647.8	647.3	646.8	646.3	646.2
157.5°	664.5	665.2	665.9	666.6	667.3	667.4	666.9	666.4	665.8	665.3	665.2
160°	677.4	677.9	678.4	678.9	679.4	679.3	678.7	678.1	677.4	676.8	676.8
162.5°	687.1	687.9	688.7	689.5	690.3	690.4	689.8	689.1	688.5	687.9	687.8
165°	701.0	702.0	702.8	703.7	704.6	704.7	703.9	703.2	702.4	701.6	701.6
167.5°	712.9	713.7	714.5	715.3	716.1	716.1	715.3	714.5	713.7	712.9	712.8
170°	718.8	719.7	720.6	721.5	722.5	722.5	721.5	720.6	719.7	718.8	718.8
172.5°	723.5	724.4	725.3	726.2	727.1	727.1	726.3	725.5	724.8	724.0	724.0
175°	728.6	729.5	730.4	731.3	732.3	732.4	731.5	730.7	730.0	729.2	729.2
177.5°	731.4	732.2	732.9	733.6	734.3	734.4	733.8	733.2	732.5	731.8	731.8
180°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1657.6	1656.0	1648.3	1639.5	1627.9	1620.2	1614.2	1610.9	1601.0	1588.9	1580.6
5°	1760.0	1739.4	1717.5	1690.6	1665.9	1640.4	1624.7	1606.1	1583.4	1558.0	1540.1
7.5°	1869.8	1829.3	1785.7	1740.8	1696.4	1656.6	1621.3	1591.2	1555.1	1518.6	1493.1
10°	1953.9	1894.7	1833.6	1771.0	1713.9	1660.4	1619.1	1578.6	1535.3	1493.4	1461.8
12.5°	2030.2	1952.5	1882.0	1805.1	1732.1	1668.1	1608.7	1561.0	1508.9	1464.2	1428.3
15°	2127.0	2047.3	1962.1	1845.2	1748.4	1667.3	1595.1	1532.6	1469.4	1414.3	1379.3
17.5°	2217.5	2097.5	1983.0	1885.5	1759.6	1658.3	1570.2	1495.4	1426.0	1367.8	1324.6
20°	2254.8	2138.7	2014.3	1890.0	1766.3	1652.8	1550.4	1467.9	1395.8	1329.8	1290.0
22.5°	2277.3	2145.9	2014.9	1881.2	1749.7	1631.9	1530.7	1440.0	1361.7	1299.0	1249.8
25°	2303.6	2147.0	2002.7	1870.7	1736.7	1608.8	1488.5	1392.4	1307.9	1241.1	1188.9
27.5°	2321.0	2136.7	1966.1	1819.4	1683.4	1556.2	1445.9	1343.9	1258.2	1187.7	1131.7
30°	2324.3	2128.4	1938.0	1779.3	1641.1	1524.3	1407.4	1309.9	1219.2	1144.3	1092.1
32.5°	2328.6	2108.1	1900.1	1731.4	1590.0	1474.3	1368.5	1275.3	1182.3	1108.5	1055.2
35°	2310.6	2096.8	1842.5	1648.7	1507.1	1395.1	1299.6	1213.7	1122.3	1050.8	996.5
37.5°	2232.4	2052.1	1782.8	1555.5	1407.4	1303.7	1225.9	1151.0	1067.1	990.1	938.9
40°	2153.8	2008.1	1736.7	1498.8	1344.2	1237.7	1167.6	1106.5	1025.4	953.2	898.3
42.5°	2036.7	1948.2	1692.7	1439.5	1272.7	1170.1	1111.0	1053.7	982.5	909.2	857.6
45°	1821.9	1833.6	1602.7	1344.9	1173.8	1070.8	1015.0	975.2	912.0	851.5	798.6
47.5°	1552.5	1661.7	1496.9	1244.2	1069.4	972.7	924.0	889.3	846.7	787.3	739.0
50°	1376.5	1532.6	1412.3	1176.6	1004.1	907.9	859.7	831.5	794.5	747.7	701.7
52.5°	1214.4	1381.9	1310.0	1101.3	933.1	845.2	798.2	775.0	745.5	701.6	659.8
55°	990.3	1160.0	1143.6	987.5	826.8	747.7	712.0	685.9	665.9	633.0	600.0
57.5°	801.0	962.0	970.5	861.1	733.1	654.9	624.2	604.5	591.5	566.5	536.0
60°	681.8	829.5	858.4	775.9	665.9	597.2	566.9	551.2	540.9	520.9	497.6
62.5°	582.8	708.5	741.2	681.9	601.6	537.2	513.6	498.4	491.4	474.2	453.6
65°	446.1	550.5	582.1	549.1	507.2	455.7	436.4	423.3	417.2	407.6	392.4
67.5°	335.4	411.5	446.2	422.9	407.8	375.3	363.0	356.0	350.5	343.9	331.2
70°	269.4	325.8	361.5	355.3	343.0	325.8	316.8	312.0	306.5	301.0	290.0
72.5°	216.6	255.4	288.9	292.1	282.0	278.5	270.6	268.6	265.3	258.7	252.7
75°	143.6	170.5	193.8	202.8	206.8	210.3	206.8	206.2	205.5	200.0	196.5
77.5°	94.1	108.6	123.3	138.6	145.0	149.7	150.8	153.3	151.5	148.6	146.9
80°	72.2	75.6	85.9	99.0	109.3	113.4	116.1	117.5	116.8	116.1	113.4
82.5°	52.4	55.2	60.1	69.3	78.0	84.8	86.4	86.1	87.7	88.1	85.9
85°	28.2	28.9	30.2	31.6	36.5	44.0	46.0	47.5	48.8	48.8	44.6
87.5°	10.9	10.0	10.8	10.5	11.9	12.2	15.2	17.7	18.5	16.6	16.9
90°	10.5	8.8	7.2	5.7	4.4	3.1	1.8	0.6	1.8	3.1	4.4
92.5°	20.2	19.3	18.4	17.5	16.6	15.7	14.8	13.9	14.8	15.7	16.6
95°	40.6	39.6	38.6	37.6	36.7	35.7	34.8	34.0	34.8	35.7	36.7
97.5°	65.2	64.4	63.7	63.0	62.4	61.7	61.0	60.4	61.0	61.7	62.4
100°	83.4	82.7	82.1	81.4	80.7	79.9	79.1	78.4	79.1	79.9	80.7
102.5°	103.3	102.4	101.6	100.9	100.5	100.0	99.6	99.1	99.6	100.0	100.5
105°	133.6	132.5	131.3	130.7	130.4	130.1	129.9	129.6	129.9	130.1	130.4
107.5°	166.9	166.4	166.0	165.7	165.5	165.4	165.2	165.1	165.2	165.4	165.5
110°	189.0	188.7	188.4	188.2	187.9	187.7	187.4	187.2	187.4	187.7	187.9



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	211.1	211.1	211.0	210.9	210.7	210.6	210.4	210.3	210.4	210.6	210.7
115°	245.9	246.1	246.4	246.3	246.0	245.6	245.2	244.8	245.2	245.6	246.0
117.5°	279.9	280.2	280.5	280.6	280.3	280.1	279.8	279.6	279.8	280.1	280.3
120°	303.2	303.8	304.4	304.4	303.6	302.8	302.1	301.2	302.1	302.8	303.6
122.5°	325.6	325.9	326.2	326.1	325.5	325.0	324.4	323.9	324.4	325.0	325.5
125°	359.4	359.6	359.9	359.8	359.4	359.0	358.7	358.3	358.7	359.0	359.4
127.5°	393.0	393.3	393.6	393.3	392.5	391.7	390.9	390.1	390.9	391.7	392.5
130°	415.0	415.4	415.7	415.4	414.3	413.3	412.3	411.3	412.3	413.3	414.3
132.5°	436.4	436.7	437.0	436.6	435.6	434.5	433.5	432.4	433.5	434.5	435.6
135°	468.0	468.1	468.3	467.9	467.2	466.4	465.6	464.8	465.6	466.4	467.2
137.5°	498.5	498.2	497.9	497.4	496.8	496.0	495.4	494.8	495.4	496.0	496.8
140°	518.8	518.6	518.5	518.1	517.5	516.8	516.1	515.5	516.1	516.8	517.5
142.5°	537.9	537.7	537.5	536.9	536.3	535.7	535.0	534.4	535.0	535.7	536.3
145°	566.0	565.6	565.2	564.9	564.7	564.4	564.2	563.9	564.2	564.4	564.7
147.5°	592.7	592.4	592.0	591.6	591.1	590.7	590.2	589.8	590.2	590.7	591.1
150°	609.5	609.3	608.9	608.7	608.4	608.2	607.9	607.7	607.9	608.2	608.4
152.5°	624.4	624.3	624.1	623.9	623.5	623.2	622.8	622.5	622.8	623.2	623.5
155°	646.0	645.9	645.8	645.7	645.7	645.7	645.7	645.7	645.7	645.7	645.7
157.5°	665.1	665.0	664.9	664.9	665.1	665.2	665.4	665.5	665.4	665.2	665.1
160°	676.8	676.8	676.8	676.9	677.2	677.4	677.7	677.9	677.7	677.4	677.2
162.5°	687.7	687.6	687.5	687.6	687.9	688.3	688.6	689.0	688.6	688.3	687.9
165°	701.6	701.6	701.6	701.8	702.2	702.6	703.0	703.3	703.0	702.6	702.2
167.5°	712.7	712.6	712.5	712.7	713.2	713.7	714.2	714.7	714.2	713.7	713.2
170°	718.8	718.8	718.8	719.1	719.6	720.1	720.6	721.1	720.6	720.1	719.6
172.5°	724.0	724.0	724.0	724.2	724.7	725.2	725.7	726.2	725.7	725.2	724.7
175°	729.2	729.2	729.2	729.5	730.0	730.5	731.0	731.5	731.0	730.5	730.0
177.5°	731.8	731.8	731.8	732.1	732.5	733.0	733.4	733.8	733.4	733.0	732.5
180°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1577.9	1570.7	1565.8	1554.8	1547.7	1539.9	1532.3	1537.2	1536.7	1536.1	1536.1
5°	1525.0	1509.1	1494.8	1476.2	1464.5	1450.1	1439.1	1437.7	1440.5	1430.9	1425.3
7.5°	1472.5	1450.9	1430.5	1410.0	1388.3	1370.9	1360.1	1354.9	1348.0	1342.0	1335.8
10°	1435.6	1410.3	1390.3	1364.8	1341.5	1320.9	1307.9	1298.9	1294.0	1289.3	1280.3
12.5°	1397.8	1372.8	1347.5	1318.7	1296.5	1272.5	1262.7	1252.7	1243.5	1238.1	1225.9
15°	1342.2	1309.9	1283.1	1252.8	1228.1	1204.8	1191.0	1171.0	1168.3	1161.4	1149.1
17.5°	1286.6	1251.4	1214.5	1192.1	1164.2	1139.8	1118.9	1112.3	1092.6	1085.2	1074.4
20°	1242.5	1210.2	1182.0	1152.6	1112.0	1089.2	1072.8	1063.9	1048.0	1038.4	1031.6
22.5°	1204.6	1171.7	1139.2	1104.7	1071.3	1045.8	1033.8	1019.9	1011.2	997.7	990.3
25°	1150.4	1114.7	1075.5	1038.4	1014.4	995.1	975.9	963.5	951.2	944.9	931.2
27.5°	1087.5	1050.2	1013.5	985.3	955.8	936.9	919.4	908.4	893.5	883.1	875.6
30°	1052.9	1008.9	977.2	951.8	914.0	896.2	883.1	869.4	858.4	847.4	839.8
32.5°	1012.7	972.6	942.6	911.2	882.1	862.6	845.8	833.6	824.3	813.9	806.3
35°	949.8	916.1	885.1	853.5	832.2	812.3	792.4	782.0	773.2	763.6	756.7
37.5°	892.8	861.4	832.0	802.0	775.6	759.4	743.4	735.5	723.4	716.9	709.9
40°	857.7	826.8	795.2	766.3	738.8	726.4	712.0	700.3	689.3	684.5	676.9
42.5°	819.2	788.3	761.6	730.5	708.0	691.3	677.9	665.1	656.9	649.8	645.6
45°	762.1	734.7	708.5	677.6	656.3	641.9	626.7	615.1	607.5	602.7	595.1
47.5°	706.8	679.2	652.8	625.8	605.2	588.7	573.6	565.4	555.4	549.6	544.4
50°	666.6	641.9	613.7	589.0	568.4	551.9	539.5	529.2	520.3	512.7	509.3
52.5°	629.8	603.4	579.1	556.0	534.2	515.5	504.3	493.4	486.8	478.1	474.0
55°	569.1	543.6	523.0	500.3	479.0	463.2	449.5	439.8	432.9	423.3	417.9
57.5°	512.0	489.2	464.5	444.9	422.9	409.6	398.2	385.2	376.8	369.2	363.9
60°	473.5	447.4	426.1	407.6	388.3	371.1	360.8	350.5	341.5	334.0	329.2
62.5°	433.3	410.6	390.3	370.1	352.5	337.6	325.6	317.0	309.1	304.3	299.5
65°	371.8	354.0	333.4	316.8	300.3	289.3	279.7	272.2	266.6	263.2	259.1
67.5°	315.2	297.8	279.8	263.7	252.7	244.3	237.9	231.5	228.7	224.3	221.6
70°	278.3	260.4	244.7	232.3	221.3	215.1	211.0	206.2	203.4	197.9	195.2
72.5°	238.2	225.3	213.9	203.7	194.9	189.2	184.0	178.1	173.7	167.6	164.9
75°	187.6	175.9	167.0	160.2	154.6	147.0	139.5	133.3	131.3	129.2	128.6
77.5°	139.0	131.6	125.1	119.3	112.4	106.9	105.3	103.9	103.5	102.4	102.4
80°	109.3	102.4	97.6	90.7	86.5	86.5	86.5	85.2	85.9	85.9	85.9
82.5°	81.2	74.9	72.3	69.8	69.0	69.6	69.6	69.8	69.4	70.5	70.0
85°	41.9	42.6	44.0	43.3	44.0	44.0	45.3	44.6	45.3	44.0	45.3
87.5°	16.6	18.5	19.4	20.2	21.1	20.9	21.5	21.7	22.3	22.4	22.5
90°	5.7	7.2	8.8	10.5	12.1	13.8	14.3	14.8	15.3	15.9	16.3
92.5°	17.5	18.4	19.3	20.2	21.2	22.1	22.5	22.9	23.3	23.7	23.9
95°	37.6	38.6	39.6	40.6	41.6	42.6	43.1	43.6	44.1	44.6	44.9
97.5°	63.0	63.7	64.4	65.2	65.9	66.8	67.3	67.9	68.5	69.1	69.3
100°	81.4	82.1	82.7	83.4	84.0	84.6	85.0	85.4	85.8	86.2	86.5
102.5°	100.9	101.6	102.4	103.3	104.1	104.9	105.3	105.7	106.1	106.4	106.6
105°	130.7	131.3	132.5	133.6	134.8	135.9	135.9	135.9	135.9	135.9	136.0
107.5°	165.7	166.0	166.4	166.9	167.4	167.8	168.2	168.6	169.1	169.5	169.7
110°	188.2	188.4	188.7	189.0	189.2	189.6	190.1	190.6	191.1	191.6	191.7



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	210.9	211.0	211.1	211.1	211.2	211.2	211.8	212.4	213.0	213.6	213.9
115°	246.3	246.4	246.1	245.9	245.6	245.4	245.5	245.6	245.8	245.9	245.9
117.5°	280.6	280.5	280.2	279.9	279.6	279.2	279.2	279.2	279.1	279.1	278.9
120°	304.4	304.4	303.8	303.2	302.5	301.8	301.7	301.5	301.4	301.3	301.1
122.5°	326.1	326.2	325.9	325.6	325.2	324.9	324.6	324.2	323.9	323.6	323.2
125°	359.8	359.9	359.6	359.4	359.1	358.9	358.3	357.8	357.3	356.8	356.3
127.5°	393.3	393.6	393.3	393.0	392.7	392.5	391.8	391.0	390.3	389.6	389.0
130°	415.4	415.7	415.4	415.0	414.5	414.1	413.6	413.1	412.6	412.1	411.4
132.5°	436.6	437.0	436.7	436.4	436.1	435.9	435.2	434.5	433.9	433.3	432.7
135°	467.9	468.3	468.1	468.0	467.9	467.8	467.3	466.7	466.2	465.6	465.2
137.5°	497.4	497.9	498.2	498.5	498.9	499.2	498.7	498.1	497.6	497.1	496.6
140°	518.1	518.5	518.6	518.8	518.9	519.0	518.9	518.8	518.6	518.5	518.0
142.5°	536.9	537.5	537.7	537.9	538.2	538.4	538.3	538.1	538.0	537.9	537.5
145°	564.9	565.2	565.6	566.0	566.4	566.8	566.6	566.5	566.4	566.3	565.9
147.5°	591.6	592.0	592.4	592.7	593.1	593.4	593.4	593.4	593.4	593.4	593.0
150°	608.7	608.9	609.3	609.5	609.8	610.0	610.0	610.0	610.0	610.0	609.7
152.5°	623.9	624.1	624.3	624.4	624.6	624.7	624.9	625.2	625.4	625.6	625.3
155°	645.7	645.8	645.9	646.0	646.2	646.3	646.8	647.3	647.8	648.3	648.1
157.5°	664.9	664.9	665.0	665.1	665.2	665.3	665.8	666.4	666.9	667.4	667.3
160°	676.9	676.8	676.8	676.8	676.8	676.8	677.4	678.1	678.7	679.3	679.4
162.5°	687.6	687.5	687.6	687.7	687.8	687.9	688.5	689.1	689.8	690.4	690.3
165°	701.8	701.6	701.6	701.6	701.6	701.6	702.4	703.2	703.9	704.7	704.6
167.5°	712.7	712.5	712.6	712.7	712.8	712.9	713.7	714.5	715.3	716.1	716.1
170°	719.1	718.8	718.8	718.8	718.8	718.8	719.7	720.6	721.5	722.5	722.5
172.5°	724.2	724.0	724.0	724.0	724.0	724.0	724.8	725.5	726.3	727.1	727.1
175°	729.5	729.2	729.2	729.2	729.2	729.2	730.0	730.7	731.5	732.4	732.3
177.5°	732.1	731.8	731.8	731.8	731.8	731.8	732.5	733.2	733.8	734.4	734.3
180°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1529.5	1528.9	1529.5	1527.3	1529.5	1528.9	1529.5	1536.1	1536.1	1536.7	1537.2
5°	1423.3	1422.6	1420.6	1414.3	1420.6	1422.6	1423.3	1425.3	1430.9	1440.5	1437.7
7.5°	1330.5	1329.6	1323.5	1323.6	1323.5	1329.6	1330.5	1335.8	1342.0	1348.0	1354.9
10°	1275.6	1276.2	1268.0	1263.1	1268.0	1276.2	1275.6	1280.3	1289.3	1294.0	1298.9
12.5°	1222.2	1219.0	1212.4	1207.1	1212.4	1219.0	1222.2	1225.9	1238.1	1243.5	1252.7
15°	1151.9	1145.0	1128.4	1129.8	1128.4	1145.0	1151.9	1149.1	1161.4	1168.3	1171.0
17.5°	1068.9	1063.9	1063.6	1054.0	1063.6	1063.9	1068.9	1074.4	1085.2	1092.6	1112.3
20°	1020.6	1017.1	1018.4	1008.9	1018.4	1017.1	1020.6	1031.6	1038.4	1048.0	1063.9
22.5°	982.6	979.2	973.4	970.4	973.4	979.2	982.6	990.3	997.7	1011.2	1019.9
25°	927.1	921.6	916.1	919.6	916.1	921.6	927.1	931.2	944.9	951.2	963.5
27.5°	871.6	867.5	861.9	861.2	861.9	867.5	871.6	875.6	883.1	893.5	908.4
30°	836.4	832.2	829.5	826.1	829.5	832.2	836.4	839.8	847.4	858.4	869.4
32.5°	800.6	799.8	794.9	794.2	794.9	799.8	800.6	806.3	813.9	824.3	833.6
35°	753.9	749.8	748.4	749.1	748.4	749.8	753.9	756.7	763.6	773.2	782.0
37.5°	709.5	704.0	701.6	699.0	701.6	704.0	709.5	709.9	716.9	723.4	735.5
40°	677.6	672.2	670.8	669.3	670.8	672.2	677.6	676.9	684.5	689.3	700.3
42.5°	641.9	639.6	638.8	636.4	638.8	639.6	641.9	645.6	649.8	656.9	665.1
45°	593.1	592.4	588.2	589.7	588.2	592.4	593.1	595.1	602.7	607.5	615.1
47.5°	541.7	538.7	535.7	537.7	535.7	538.7	541.7	544.4	549.6	555.4	565.4
50°	506.5	505.1	499.0	500.3	499.0	505.1	506.5	509.3	512.7	520.3	529.2
52.5°	471.3	466.1	463.7	462.9	463.7	466.1	471.3	474.0	478.1	486.8	493.4
55°	413.0	406.9	404.1	402.7	404.1	406.9	413.0	417.9	423.3	432.9	439.8
57.5°	355.9	354.2	352.0	353.6	352.0	354.2	355.9	363.9	369.2	376.8	385.2
60°	322.3	322.3	322.3	321.6	322.3	322.3	322.3	329.2	334.0	341.5	350.5
62.5°	296.5	294.8	294.3	295.3	294.3	294.8	296.5	299.5	304.3	309.1	317.0
65°	257.0	256.3	253.6	252.9	253.6	256.3	257.0	259.1	263.2	266.6	272.2
67.5°	219.7	217.3	216.5	215.5	216.5	217.3	219.7	221.6	224.3	228.7	231.5
70°	191.8	190.4	186.2	186.9	186.2	190.4	191.8	195.2	197.9	203.4	206.2
72.5°	161.5	160.2	159.3	158.3	159.3	160.2	161.5	164.9	167.6	173.7	178.1
75°	127.8	127.1	126.4	129.2	126.4	127.1	127.8	128.6	129.2	131.3	133.3
77.5°	102.4	102.4	102.8	101.7	102.8	102.4	102.4	102.4	102.4	103.5	103.9
80°	85.9	85.9	85.2	85.2	85.2	85.9	85.9	85.9	85.9	85.9	85.2
82.5°	68.9	69.4	69.8	68.8	69.8	69.4	68.9	70.0	70.5	69.4	69.8
85°	45.3	44.6	46.0	45.3	46.0	44.6	45.3	45.3	44.0	45.3	44.6
87.5°	23.6	22.6	22.6	23.2	22.6	22.6	23.6	22.5	22.4	22.3	21.7
90°	16.6	16.8	17.1	17.3	17.1	16.8	16.6	16.3	15.9	15.3	14.8
92.5°	23.7	23.5	23.4	23.2	23.4	23.5	23.7	23.9	23.7	23.3	22.9
95°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.6	44.1	43.6
97.5°	69.3	69.2	69.2	69.1	69.2	69.2	69.3	69.3	69.1	68.5	67.9
100°	86.7	87.1	87.3	87.6	87.3	87.1	86.7	86.5	86.2	85.8	85.4
102.5°	106.6	106.5	106.5	106.4	106.5	106.5	106.6	106.6	106.4	106.1	105.7
105°	136.3	136.5	136.8	137.1	136.8	136.5	136.3	136.0	135.9	135.9	135.9
107.5°	169.5	169.4	169.2	169.1	169.2	169.4	169.5	169.7	169.5	169.1	168.6
110°	191.5	191.2	191.0	190.7	191.0	191.2	191.5	191.7	191.6	191.1	190.6



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	213.9	213.8	213.8	213.7	213.8	213.8	213.9	213.9	213.6	213.0	212.4
115°	245.8	245.6	245.5	245.4	245.5	245.6	245.8	245.9	245.9	245.8	245.6
117.5°	278.6	278.2	277.9	277.5	277.9	278.2	278.6	278.9	279.1	279.1	279.2
120°	300.8	300.6	300.3	300.1	300.3	300.6	300.8	301.1	301.3	301.4	301.5
122.5°	322.9	322.4	322.1	321.7	322.1	322.4	322.9	323.2	323.6	323.9	324.2
125°	355.8	355.3	354.8	354.3	354.8	355.3	355.8	356.3	356.8	357.3	357.8
127.5°	388.4	387.8	387.2	386.6	387.2	387.8	388.4	389.0	389.6	390.3	391.0
130°	410.5	409.6	408.7	407.8	408.7	409.6	410.5	411.4	412.1	412.6	413.1
132.5°	432.0	431.3	430.6	429.9	430.6	431.3	432.0	432.7	433.3	433.9	434.5
135°	465.0	464.7	464.5	464.2	464.5	464.7	465.0	465.2	465.6	466.2	466.7
137.5°	496.0	495.5	495.0	494.5	495.0	495.5	496.0	496.6	497.1	497.6	498.1
140°	517.1	516.1	515.2	514.4	515.2	516.1	517.1	518.0	518.5	518.6	518.8
142.5°	536.7	536.0	535.3	534.6	535.3	536.0	536.7	537.5	537.9	538.0	538.1
145°	565.4	564.9	564.4	563.9	564.4	564.9	565.4	565.9	566.3	566.4	566.5
147.5°	592.3	591.5	590.8	590.0	590.8	591.5	592.3	593.0	593.4	593.4	593.4
150°	608.8	608.0	607.3	606.5	607.3	608.0	608.8	609.7	610.0	610.0	610.0
152.5°	624.7	624.0	623.4	622.7	623.4	624.0	624.7	625.3	625.6	625.4	625.2
155°	647.2	646.3	645.5	644.6	645.5	646.3	647.2	648.1	648.3	647.8	647.3
157.5°	666.6	665.9	665.2	664.5	665.2	665.9	666.6	667.3	667.4	666.9	666.4
160°	678.9	678.4	677.9	677.4	677.9	678.4	678.9	679.4	679.3	678.7	678.1
162.5°	689.5	688.7	687.9	687.1	687.9	688.7	689.5	690.3	690.4	689.8	689.1
165°	703.7	702.8	702.0	701.0	702.0	702.8	703.7	704.6	704.7	703.9	703.2
167.5°	715.3	714.5	713.7	712.9	713.7	714.5	715.3	716.1	716.1	715.3	714.5
170°	721.5	720.6	719.7	718.8	719.7	720.6	721.5	722.5	722.5	721.5	720.6
172.5°	726.2	725.3	724.4	723.5	724.4	725.3	726.2	727.1	727.1	726.3	725.5
175°	731.3	730.4	729.5	728.6	729.5	730.4	731.3	732.3	732.4	731.5	730.7
177.5°	733.6	732.9	732.2	731.4	732.2	732.9	733.6	734.3	734.4	733.8	733.2
180°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1532.3	1539.9	1547.7	1554.8	1565.8	1570.7	1577.9	1580.6	1588.9	1601.0	1610.9
5°	1439.1	1450.1	1464.5	1476.2	1494.8	1509.1	1525.0	1540.1	1558.0	1583.4	1606.1
7.5°	1360.1	1370.9	1388.3	1410.0	1430.5	1450.9	1472.5	1493.1	1518.6	1555.1	1591.2
10°	1307.9	1320.9	1341.5	1364.8	1390.3	1410.3	1435.6	1461.8	1493.4	1535.3	1578.6
12.5°	1262.7	1272.5	1296.5	1318.7	1347.5	1372.8	1397.8	1428.3	1464.2	1508.9	1561.0
15°	1191.0	1204.8	1228.1	1252.8	1283.1	1309.9	1342.2	1379.3	1414.3	1469.4	1532.6
17.5°	1118.9	1139.8	1164.2	1192.1	1214.5	1251.4	1286.6	1324.6	1367.8	1426.0	1495.4
20°	1072.8	1089.2	1112.0	1152.6	1182.0	1210.2	1242.5	1290.0	1329.8	1395.8	1467.9
22.5°	1033.8	1045.8	1071.3	1104.7	1139.2	1171.7	1204.6	1249.8	1299.0	1361.7	1440.0
25°	975.9	995.1	1014.4	1038.4	1075.5	1114.7	1150.4	1188.9	1241.1	1307.9	1392.4
27.5°	919.4	936.9	955.8	985.3	1013.5	1050.2	1087.5	1131.7	1187.7	1258.2	1343.9
30°	883.1	896.2	914.0	951.8	977.2	1008.9	1052.9	1092.1	1144.3	1219.2	1309.9
32.5°	845.8	862.6	882.1	911.2	942.6	972.6	1012.7	1055.2	1108.5	1182.3	1275.3
35°	792.4	812.3	832.2	853.5	885.1	916.1	949.8	996.5	1050.8	1122.3	1213.7
37.5°	743.4	759.4	775.6	802.0	832.0	861.4	892.8	938.9	990.1	1067.1	1151.0
40°	712.0	726.4	738.8	766.3	795.2	826.8	857.7	898.3	953.2	1025.4	1106.5
42.5°	677.9	691.3	708.0	730.5	761.6	788.3	819.2	857.6	909.2	982.5	1053.7
45°	626.7	641.9	656.3	677.6	708.5	734.7	762.1	798.6	851.5	912.0	975.2
47.5°	573.6	588.7	605.2	625.8	652.8	679.2	706.8	739.0	787.3	846.7	889.3
50°	539.5	551.9	568.4	589.0	613.7	641.9	666.6	701.7	747.7	794.5	831.5
52.5°	504.3	515.5	534.2	556.0	579.1	603.4	629.8	659.8	701.6	745.5	775.0
55°	449.5	463.2	479.0	500.3	523.0	543.6	569.1	600.0	633.0	665.9	685.9
57.5°	398.2	409.6	422.9	444.9	464.5	489.2	512.0	536.0	566.5	591.5	604.5
60°	360.8	371.1	388.3	407.6	426.1	447.4	473.5	497.6	520.9	540.9	551.2
62.5°	325.6	337.6	352.5	370.1	390.3	410.6	433.3	453.6	474.2	491.4	498.4
65°	279.7	289.3	300.3	316.8	333.4	354.0	371.8	392.4	407.6	417.2	423.3
67.5°	237.9	244.3	252.7	263.7	279.8	297.8	315.2	331.2	343.9	350.5	356.0
70°	211.0	215.1	221.3	232.3	244.7	260.4	278.3	290.0	301.0	306.5	312.0
72.5°	184.0	189.2	194.9	203.7	213.9	225.3	238.2	252.7	258.7	265.3	268.6
75°	139.5	147.0	154.6	160.2	167.0	175.9	187.6	196.5	200.0	205.5	206.2
77.5°	105.3	106.9	112.4	119.3	125.1	131.6	139.0	146.9	148.6	151.5	153.3
80°	86.5	86.5	86.5	90.7	97.6	102.4	109.3	113.4	116.1	116.8	117.5
82.5°	69.6	69.6	69.0	69.8	72.3	74.9	81.2	85.9	88.1	87.7	86.1
85°	45.3	44.0	44.0	43.3	44.0	42.6	41.9	44.6	48.8	48.8	47.5
87.5°	21.5	20.9	21.1	20.2	19.4	18.5	16.6	16.9	16.6	18.5	17.7
90°	14.3	13.8	12.1	10.5	8.8	7.2	5.7	4.4	3.1	1.8	0.6
92.5°	22.5	22.1	21.2	20.2	19.3	18.4	17.5	16.6	15.7	14.8	13.9
95°	43.1	42.6	41.6	40.6	39.6	38.6	37.6	36.7	35.7	34.8	34.0
97.5°	67.3	66.8	65.9	65.2	64.4	63.7	63.0	62.4	61.7	61.0	60.4
100°	85.0	84.6	84.0	83.4	82.7	82.1	81.4	80.7	79.9	79.1	78.4
102.5°	105.3	104.9	104.1	103.3	102.4	101.6	100.9	100.5	100.0	99.6	99.1
105°	135.9	135.9	134.8	133.6	132.5	131.3	130.7	130.4	130.1	129.9	129.6
107.5°	168.2	167.8	167.4	166.9	166.4	166.0	165.7	165.5	165.4	165.2	165.1
110°	190.1	189.6	189.2	189.0	188.7	188.4	188.2	187.9	187.7	187.4	187.2



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	211.8	211.2	211.2	211.1	211.1	211.0	210.9	210.7	210.6	210.4	210.3
115°	245.5	245.4	245.6	245.9	246.1	246.4	246.3	246.0	245.6	245.2	244.8
117.5°	279.2	279.2	279.6	279.9	280.2	280.5	280.6	280.3	280.1	279.8	279.6
120°	301.7	301.8	302.5	303.2	303.8	304.4	304.4	303.6	302.8	302.1	301.2
122.5°	324.6	324.9	325.2	325.6	325.9	326.2	326.1	325.5	325.0	324.4	323.9
125°	358.3	358.9	359.1	359.4	359.6	359.9	359.8	359.4	359.0	358.7	358.3
127.5°	391.8	392.5	392.7	393.0	393.3	393.6	393.3	392.5	391.7	390.9	390.1
130°	413.6	414.1	414.5	415.0	415.4	415.7	415.4	414.3	413.3	412.3	411.3
132.5°	435.2	435.9	436.1	436.4	436.7	437.0	436.6	435.6	434.5	433.5	432.4
135°	467.3	467.8	467.9	468.0	468.1	468.3	467.9	467.2	466.4	465.6	464.8
137.5°	498.7	499.2	498.9	498.5	498.2	497.9	497.4	496.8	496.0	495.4	494.8
140°	518.9	519.0	518.9	518.8	518.6	518.5	518.1	517.5	516.8	516.1	515.5
142.5°	538.3	538.4	538.2	537.9	537.7	537.5	536.9	536.3	535.7	535.0	534.4
145°	566.6	566.8	566.4	566.0	565.6	565.2	564.9	564.7	564.4	564.2	563.9
147.5°	593.4	593.4	593.1	592.7	592.4	592.0	591.6	591.1	590.7	590.2	589.8
150°	610.0	610.0	609.8	609.5	609.3	608.9	608.7	608.4	608.2	607.9	607.7
152.5°	624.9	624.7	624.6	624.4	624.3	624.1	623.9	623.5	623.2	622.8	622.5
155°	646.8	646.3	646.2	646.0	645.9	645.8	645.7	645.7	645.7	645.7	645.7
157.5°	665.8	665.3	665.2	665.1	665.0	664.9	664.9	665.1	665.2	665.4	665.5
160°	677.4	676.8	676.8	676.8	676.8	676.8	676.9	677.2	677.4	677.7	677.9
162.5°	688.5	687.9	687.8	687.7	687.6	687.5	687.6	687.9	688.3	688.6	689.0
165°	702.4	701.6	701.6	701.6	701.6	701.6	701.8	702.2	702.6	703.0	703.3
167.5°	713.7	712.9	712.8	712.7	712.6	712.5	712.7	713.2	713.7	714.2	714.7
170°	719.7	718.8	718.8	718.8	718.8	718.8	719.1	719.6	720.1	720.6	721.1
172.5°	724.8	724.0	724.0	724.0	724.0	724.0	724.2	724.7	725.2	725.7	726.2
175°	730.0	729.2	729.2	729.2	729.2	729.2	729.5	730.0	730.5	731.0	731.5
177.5°	732.5	731.8	731.8	731.8	731.8	731.8	732.1	732.5	733.0	733.4	733.8
180°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1614.2	1620.2	1627.9	1639.5	1648.3	1656.0	1657.6	1659.8	1665.4	1674.7	1681.8
5°	1624.7	1640.4	1665.9	1690.6	1717.5	1739.4	1760.0	1774.4	1788.2	1817.1	1840.5
7.5°	1621.3	1656.6	1696.4	1740.8	1785.7	1829.3	1869.8	1905.9	1941.9	1984.0	2031.9
10°	1619.1	1660.4	1713.9	1771.0	1833.6	1894.7	1953.9	1999.9	2053.5	2101.6	2162.7
12.5°	1608.7	1668.1	1732.1	1805.1	1882.0	1952.5	2030.2	2093.9	2155.3	2224.7	2295.8
15°	1595.1	1667.3	1748.4	1845.2	1962.1	2047.3	2127.0	2237.7	2313.3	2388.8	2490.6
17.5°	1570.2	1658.3	1759.6	1885.5	1983.0	2097.5	2217.5	2304.9	2406.7	2513.3	2605.4
20°	1550.4	1652.8	1766.3	1890.0	2014.3	2138.7	2254.8	2359.3	2464.5	2587.5	2663.1
22.5°	1530.7	1631.9	1749.7	1881.2	2014.9	2145.9	2277.3	2400.0	2518.3	2642.4	2739.0
25°	1488.5	1608.8	1736.7	1870.7	2002.7	2147.0	2303.6	2440.4	2586.8	2714.6	2806.0
27.5°	1445.9	1556.2	1683.4	1819.4	1966.1	2136.7	2321.0	2476.4	2623.1	2714.6	2743.4
30°	1407.4	1524.3	1641.1	1779.3	1938.0	2128.4	2324.3	2502.2	2622.5	2662.4	2632.8
32.5°	1368.5	1474.3	1590.0	1731.4	1900.1	2108.1	2328.6	2486.9	2559.3	2528.8	2408.5
35°	1299.6	1395.1	1507.1	1648.7	1842.5	2096.8	2310.6	2417.7	2399.8	2228.1	2001.2
37.5°	1225.9	1303.7	1407.4	1555.5	1782.8	2052.1	2232.4	2248.3	2093.7	1829.9	1567.9
40°	1167.6	1237.7	1344.2	1498.8	1736.7	2008.1	2153.8	2089.9	1850.1	1556.6	1338.1
42.5°	1111.0	1170.1	1272.7	1439.5	1692.7	1948.2	2036.7	1897.5	1620.8	1343.3	1144.6
45°	1015.0	1070.8	1173.8	1344.9	1602.7	1833.6	1821.9	1579.9	1303.0	1079.6	914.7
47.5°	924.0	972.7	1069.4	1244.2	1496.9	1661.7	1552.5	1295.1	1060.2	880.9	763.3
50°	859.7	907.9	1004.1	1176.6	1412.3	1532.6	1376.5	1128.4	913.3	764.9	671.5
52.5°	798.2	845.2	933.1	1101.3	1310.0	1381.9	1214.4	984.4	805.1	676.9	596.6
55°	712.0	747.7	826.8	987.5	1143.6	1160.0	990.3	797.9	650.2	560.8	505.8
57.5°	624.2	654.9	733.1	861.1	970.5	962.0	801.0	634.6	535.1	468.7	428.9
60°	566.9	597.2	665.9	775.9	858.4	829.5	681.8	547.8	462.5	413.7	382.1
62.5°	513.6	537.2	601.6	681.9	741.2	708.5	582.8	471.9	404.2	363.1	338.1
65°	436.4	455.7	507.2	549.1	582.1	550.5	446.1	369.0	320.2	291.3	274.2
67.5°	363.0	375.3	407.8	422.9	446.2	411.5	335.4	283.9	256.1	231.8	219.7
70°	316.8	325.8	343.0	355.3	361.5	325.8	269.4	231.6	208.2	191.1	183.5
72.5°	270.6	278.5	282.0	292.1	288.9	255.4	216.6	186.5	169.8	158.0	148.3
75°	206.8	210.3	206.8	202.8	193.8	170.5	143.6	128.6	116.1	110.7	107.2
77.5°	150.8	149.7	145.0	138.6	123.3	108.6	94.1	89.1	83.7	80.8	79.6
80°	116.1	113.4	109.3	99.0	85.9	75.6	72.2	68.8	66.7	63.2	62.5
82.5°	86.4	84.8	78.0	69.3	60.1	55.2	52.4	51.1	49.1	47.3	47.2
85°	46.0	44.0	36.5	31.6	30.2	28.9	28.2	28.2	25.4	24.7	24.7
87.5°	15.2	12.2	11.9	10.5	10.8	10.0	10.9	10.1	9.9	10.6	9.6
90°	1.8	3.1	4.4	5.7	7.2	8.8	10.5	12.1	13.8	14.3	14.8
92.5°	14.8	15.7	16.6	17.5	18.4	19.3	20.2	21.2	22.1	22.5	22.9
95°	34.8	35.7	36.7	37.6	38.6	39.6	40.6	41.6	42.6	43.1	43.6
97.5°	61.0	61.7	62.4	63.0	63.7	64.4	65.2	65.9	66.8	67.3	67.9
100°	79.1	79.9	80.7	81.4	82.1	82.7	83.4	84.0	84.6	85.0	85.4
102.5°	99.6	100.0	100.5	100.9	101.6	102.4	103.3	104.1	104.9	105.3	105.7
105°	129.9	130.1	130.4	130.7	131.3	132.5	133.6	134.8	135.9	135.9	135.9
107.5°	165.2	165.4	165.5	165.7	166.0	166.4	166.9	167.4	167.8	168.2	168.6
110°	187.4	187.7	187.9	188.2	188.4	188.7	189.0	189.2	189.6	190.1	190.6



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	210.4	210.6	210.7	210.9	211.0	211.1	211.1	211.2	211.2	211.8	212.4
115°	245.2	245.6	246.0	246.3	246.4	246.1	245.9	245.6	245.4	245.5	245.6
117.5°	279.8	280.1	280.3	280.6	280.5	280.2	279.9	279.6	279.2	279.2	279.2
120°	302.1	302.8	303.6	304.4	304.4	303.8	303.2	302.5	301.8	301.7	301.5
122.5°	324.4	325.0	325.5	326.1	326.2	325.9	325.6	325.2	324.9	324.6	324.2
125°	358.7	359.0	359.4	359.8	359.9	359.6	359.4	359.1	358.9	358.3	357.8
127.5°	390.9	391.7	392.5	393.3	393.6	393.3	393.0	392.7	392.5	391.8	391.0
130°	412.3	413.3	414.3	415.4	415.7	415.4	415.0	414.5	414.1	413.6	413.1
132.5°	433.5	434.5	435.6	436.6	437.0	436.7	436.4	436.1	435.9	435.2	434.5
135°	465.6	466.4	467.2	467.9	468.3	468.1	468.0	467.9	467.8	467.3	466.7
137.5°	495.4	496.0	496.8	497.4	497.9	498.2	498.5	498.9	499.2	498.7	498.1
140°	516.1	516.8	517.5	518.1	518.5	518.6	518.8	518.9	519.0	518.9	518.8
142.5°	535.0	535.7	536.3	536.9	537.5	537.7	537.9	538.2	538.4	538.3	538.1
145°	564.2	564.4	564.7	564.9	565.2	565.6	566.0	566.4	566.8	566.6	566.5
147.5°	590.2	590.7	591.1	591.6	592.0	592.4	592.7	593.1	593.4	593.4	593.4
150°	607.9	608.2	608.4	608.7	608.9	609.3	609.5	609.8	610.0	610.0	610.0
152.5°	622.8	623.2	623.5	623.9	624.1	624.3	624.4	624.6	624.7	624.9	625.2
155°	645.7	645.7	645.7	645.7	645.8	645.9	646.0	646.2	646.3	646.8	647.3
157.5°	665.4	665.2	665.1	664.9	664.9	665.0	665.1	665.2	665.3	665.8	666.4
160°	677.7	677.4	677.2	676.9	676.8	676.8	676.8	676.8	676.8	677.4	678.1
162.5°	688.6	688.3	687.9	687.6	687.5	687.6	687.7	687.8	687.9	688.5	689.1
165°	703.0	702.6	702.2	701.8	701.6	701.6	701.6	701.6	701.6	702.4	703.2
167.5°	714.2	713.7	713.2	712.7	712.5	712.6	712.7	712.8	712.9	713.7	714.5
170°	720.6	720.1	719.6	719.1	718.8	718.8	718.8	718.8	718.8	719.7	720.6
172.5°	725.7	725.2	724.7	724.2	724.0	724.0	724.0	724.0	724.0	724.8	725.5
175°	731.0	730.5	730.0	729.5	729.2	729.2	729.2	729.2	729.2	730.0	730.7
177.5°	733.4	733.0	732.5	732.1	731.8	731.8	731.8	731.8	731.8	732.5	733.2
180°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1693.3	1693.3	1695.6	1703.8	1705.0	1712.0	1709.9
5°	1861.1	1874.1	1879.0	1899.6	1911.9	1917.4	1906.4
7.5°	2066.2	2102.9	2120.4	2142.0	2161.1	2166.9	2151.9
10°	2215.6	2254.1	2286.4	2306.4	2324.9	2337.3	2353.1
12.5°	2360.3	2407.5	2438.2	2466.4	2485.5	2501.1	2503.8
15°	2517.4	2588.9	2643.1	2683.0	2702.9	2713.2	2709.2
17.5°	2675.8	2742.1	2780.8	2821.5	2849.0	2850.4	2851.3
20°	2765.5	2830.0	2874.8	2905.0	2935.9	2934.6	2941.4
22.5°	2825.4	2876.3	2910.5	2932.4	2943.0	2937.8	2939.2
25°	2853.5	2868.5	2862.4	2827.3	2818.4	2786.1	2791.6
27.5°	2708.9	2637.4	2563.4	2468.3	2393.3	2333.3	2336.3
30°	2512.5	2386.1	2241.8	2120.8	2012.3	1982.1	1917.4
32.5°	2238.3	2048.5	1879.5	1766.8	1673.5	1648.3	1592.0
35°	1773.1	1588.9	1415.0	1310.6	1269.3	1211.6	1210.9
37.5°	1378.2	1216.0	1124.1	1045.7	1004.6	969.7	966.2
40°	1159.4	1032.9	963.5	907.2	866.7	840.5	834.4
42.5°	1006.5	904.2	839.3	804.4	773.2	759.7	749.6
45°	821.9	753.3	707.8	676.2	661.9	651.5	646.0
47.5°	687.5	641.5	610.6	589.6	577.8	566.9	569.9
50°	614.4	576.6	553.9	534.0	525.0	517.5	518.2
52.5°	555.5	521.6	503.3	488.9	477.8	472.4	469.8
55°	471.4	450.1	431.6	421.3	415.1	407.6	405.5
57.5°	402.1	385.7	370.5	358.9	357.4	350.1	351.0
60°	356.0	342.2	329.9	323.7	318.9	312.7	314.8
62.5°	318.1	306.5	295.3	290.1	285.4	280.8	281.8
65°	260.4	249.4	242.6	239.8	237.8	235.7	233.7
67.5°	207.5	200.9	196.5	190.7	186.4	185.7	183.6
70°	174.6	165.6	158.0	150.5	148.5	147.7	148.5
72.5°	140.0	134.3	132.2	128.6	128.2	126.3	127.5
75°	105.1	103.1	101.7	99.0	99.0	99.0	99.0
77.5°	77.6	76.2	75.4	74.9	74.2	73.2	73.1
80°	60.5	59.8	58.4	58.4	57.8	58.4	57.8
82.5°	45.6	45.5	44.1	44.1	43.4	43.0	43.4
85°	23.3	22.7	24.0	22.7	23.3	22.0	23.3
87.5°	9.7	9.8	9.3	9.4	8.9	10.0	9.0
90°	15.3	15.9	16.3	16.6	16.8	17.1	17.3
92.5°	23.3	23.7	23.9	23.7	23.5	23.4	23.2
95°	44.1	44.6	44.9	44.9	44.9	44.9	44.9
97.5°	68.5	69.1	69.3	69.3	69.2	69.2	69.1
100°	85.8	86.2	86.5	86.7	87.1	87.3	87.6
102.5°	106.1	106.4	106.6	106.6	106.5	106.5	106.4
105°	135.9	135.9	136.0	136.3	136.5	136.8	137.1
107.5°	169.1	169.5	169.7	169.5	169.4	169.2	169.1
110°	191.1	191.6	191.7	191.5	191.2	191.0	190.7



TEST NUMBER: P332337-840

CATALOG NUMBER: S123RDIP-S1000D585U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	213.0	213.6	213.9	213.9	213.8	213.8	213.7
115°	245.8	245.9	245.9	245.8	245.6	245.5	245.4
117.5°	279.1	279.1	278.9	278.6	278.2	277.9	277.5
120°	301.4	301.3	301.1	300.8	300.6	300.3	300.1
122.5°	323.9	323.6	323.2	322.9	322.4	322.1	321.7
125°	357.3	356.8	356.3	355.8	355.3	354.8	354.3
127.5°	390.3	389.6	389.0	388.4	387.8	387.2	386.6
130°	412.6	412.1	411.4	410.5	409.6	408.7	407.8
132.5°	433.9	433.3	432.7	432.0	431.3	430.6	429.9
135°	466.2	465.6	465.2	465.0	464.7	464.5	464.2
137.5°	497.6	497.1	496.6	496.0	495.5	495.0	494.5
140°	518.6	518.5	518.0	517.1	516.1	515.2	514.4
142.5°	538.0	537.9	537.5	536.7	536.0	535.3	534.6
145°	566.4	566.3	565.9	565.4	564.9	564.4	563.9
147.5°	593.4	593.4	593.0	592.3	591.5	590.8	590.0
150°	610.0	610.0	609.7	608.8	608.0	607.3	606.5
152.5°	625.4	625.6	625.3	624.7	624.0	623.4	622.7
155°	647.8	648.3	648.1	647.2	646.3	645.5	644.6
157.5°	666.9	667.4	667.3	666.6	665.9	665.2	664.5
160°	678.7	679.3	679.4	678.9	678.4	677.9	677.4
162.5°	689.8	690.4	690.3	689.5	688.7	687.9	687.1
165°	703.9	704.7	704.6	703.7	702.8	702.0	701.0
167.5°	715.3	716.1	716.1	715.3	714.5	713.7	712.9
170°	721.5	722.5	722.5	721.5	720.6	719.7	718.8
172.5°	726.3	727.1	727.1	726.2	725.3	724.4	723.5
175°	731.5	732.4	732.3	731.3	730.4	729.5	728.6
177.5°	733.8	734.4	734.3	733.6	732.9	732.2	731.4
180°	733.3	733.3	733.3	733.3	733.3	733.3	733.3

(END OF REPORT)