

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: P332336-840

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332336-840
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-S1000D585U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 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: 6363.6 lumens
Efficiency: N/A
Efficacy: 130.4 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

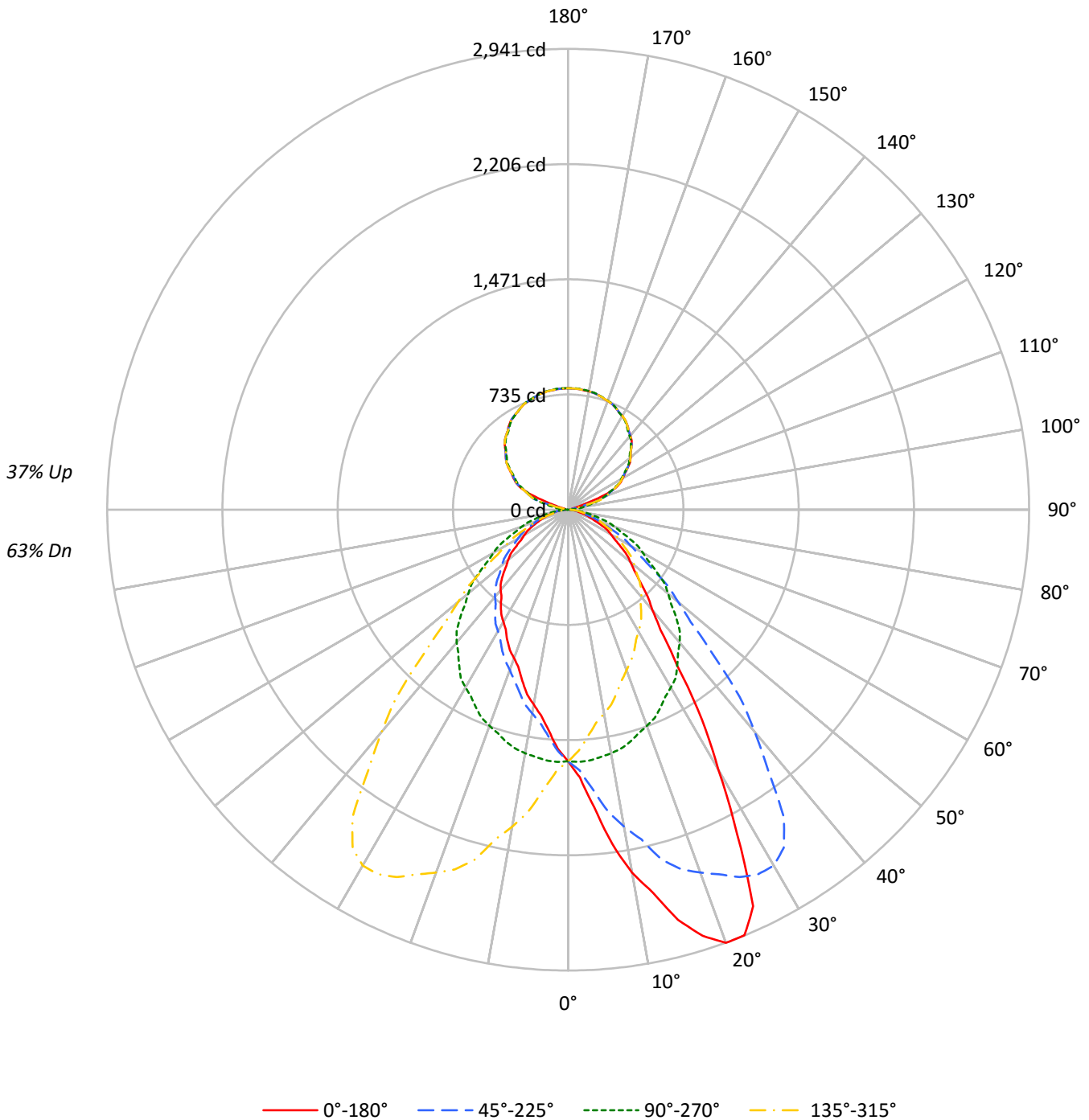
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	94	90	95	91	88	85	81	78	76	70	69	67	61	60	59	54
2	93	86	80	75	87	81	76	71	71	67	64	63	60	57	55	53	51	47
3	85	76	69	63	80	72	66	60	64	59	55	56	52	49	49	46	44	40
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	44	41	39	35
5	72	61	53	47	68	58	51	45	51	46	41	46	41	38	40	37	34	31
6	67	55	47	41	63	52	45	40	47	41	36	42	37	33	37	33	30	28
7	62	50	42	37	58	47	40	35	43	37	32	38	33	30	34	30	27	25
8	58	46	38	33	54	43	36	31	39	33	29	35	30	27	31	27	25	22
9	54	42	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20
10	50	38	31	26	47	37	30	26	33	28	24	30	25	22	27	23	20	18

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	2.5
10°-20°	493.2	7.8
20°-30°	774.9	12.2
30°-40°	808.4	12.7
40°-50°	691.8	10.9
50°-60°	527.3	8.3
60°-70°	338.0	5.3
70°-80°	162.6	2.6
80°-90°	45.2	0.7
90°-100°	28.2	0.4
100°-110°	134.3	2.1
110°-120°	322.7	5.1
120°-130°	410.9	6.5
130°-140°	439.0	6.9
140°-150°	410.5	6.5
150°-160°	331.2	5.2
160°-170°	213.7	3.4
170°-180°	73.7	1.2
0°-30°	1426.0	22.4
0°-40°	2234.4	35.1
0°-60°	3453.6	54.3
0°-90°	3999.4	62.8
90°-120°	485.2	7.6
90°-150°	1745.7	27.4
90°-180°	2364.0	37.1
0°-180°	6363.6	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°	22	35	22	35	22	18
105°	25	172	25	172	25	58
115°	339	322	339	322	339	313
125°	463	454	463	454	463	414
135°	571	565	571	565	571	440
145°	658	652	658	652	658	411
155°	717	718	717	718	717	331
165°	756	757	756	757	756	213
175°	772	775	772	775	772	74
180°	775	775	775	775	775	



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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°	19.1	19.0	18.8	18.7	18.5	18.0	17.2	16.4	15.6	14.7	13.5
95°	21.9	21.9	21.9	21.9	21.9	21.4	20.5	19.7	18.8	17.9	16.5
97.5°	23.7	23.6	23.4	23.3	23.2	22.6	21.6	20.6	19.6	18.6	27.8
100°	24.2	24.0	23.9	23.8	23.6	23.1	22.1	21.0	20.0	19.0	39.0
102.5°	24.6	24.4	24.2	23.9	23.7	25.2	28.4	31.5	34.7	37.9	59.7
105°	25.3	25.0	24.8	24.5	24.3	35.5	58.2	80.8	103.5	126.1	137.6
107.5°	79.6	96.6	113.7	130.8	147.9	164.7	181.4	197.9	214.6	231.2	229.3
110°	158.3	176.7	195.0	213.3	231.6	242.9	247.1	251.4	255.5	259.7	258.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	271.8	275.6	279.4	283.4	287.2	289.1	289.0	288.9	288.9	288.8	287.4
115°	338.7	338.2	337.7	337.1	336.6	335.8	334.5	333.2	331.9	330.6	329.4
117.5°	376.3	376.2	376.1	376.0	375.9	375.3	374.3	373.2	372.2	371.1	370.6
120°	402.0	402.0	402.0	402.0	402.0	401.5	400.5	399.5	398.5	397.4	397.1
122.5°	427.4	427.3	427.2	427.1	427.0	426.6	425.9	425.2	424.4	423.7	423.2
125°	463.1	462.8	462.6	462.3	462.1	461.8	461.5	461.3	461.0	460.8	460.3
127.5°	497.5	497.7	498.0	498.2	498.5	498.4	498.0	497.6	497.2	496.8	496.1
130°	519.6	519.8	520.1	520.3	520.6	520.4	519.9	519.4	518.9	518.4	517.9
132.5°	539.8	540.2	540.5	540.9	541.3	541.2	540.7	540.2	539.7	539.2	538.7
135°	570.8	571.2	571.6	572.0	572.3	572.3	572.0	571.6	571.2	570.8	570.3
137.5°	600.0	600.2	600.5	600.7	601.0	600.8	600.2	599.6	599.0	598.3	598.0
140°	617.4	617.7	617.9	618.2	618.4	618.3	617.8	617.3	616.8	616.3	615.9
142.5°	633.6	633.9	634.3	634.7	635.0	635.0	634.6	634.2	633.8	633.4	633.0
145°	658.3	658.3	658.3	658.3	658.3	658.2	657.9	657.7	657.4	657.2	656.9
147.5°	676.8	677.4	677.9	678.5	679.1	679.3	679.0	678.8	678.5	678.3	678.0
150°	690.6	690.9	691.4	691.8	692.2	692.2	692.0	691.7	691.5	691.2	690.9
152.5°	701.7	702.3	702.9	703.5	704.0	704.1	703.6	703.2	702.7	702.3	702.1
155°	717.1	717.9	718.6	719.4	720.1	720.2	719.6	718.9	718.3	717.7	717.5
157.5°	730.1	731.1	732.2	733.1	734.1	734.3	733.5	732.7	732.0	731.1	731.2
160°	738.4	739.3	740.2	741.1	741.9	742.0	741.2	740.5	739.7	739.0	739.1
162.5°	746.3	747.0	747.8	748.6	749.4	749.4	748.5	747.6	746.8	745.9	746.0
165°	755.7	756.6	757.5	758.4	759.3	759.2	758.2	757.2	756.2	755.1	755.3
167.5°	762.4	763.6	764.6	765.6	766.6	766.6	765.6	764.6	763.6	762.4	762.4
170°	766.6	767.7	768.7	769.7	770.7	770.7	769.7	768.7	767.7	766.6	766.6
172.5°	768.9	770.0	771.2	772.3	773.5	773.5	772.4	771.4	770.4	769.4	769.3
175°	772.3	773.5	774.5	775.5	776.5	776.6	775.7	774.8	773.9	773.0	772.8
177.5°	773.5	774.5	775.5	776.5	777.5	777.6	776.8	776.0	775.2	774.4	774.3
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



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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°	12.2	11.0	9.7	9.3	9.6	10.0	10.4	10.7	10.4	10.0	9.6
95°	15.0	13.6	12.2	14.1	19.4	24.6	29.9	35.1	29.9	24.6	19.4
97.5°	37.0	46.2	55.4	61.2	63.5	65.9	68.3	70.6	68.3	65.9	63.5
100°	59.0	78.9	98.9	107.6	105.0	102.5	99.9	97.4	99.9	102.5	105.0
102.5°	81.5	103.3	125.1	135.1	133.3	131.5	129.6	127.7	129.6	131.5	133.3
105°	149.2	160.7	172.2	177.2	175.8	174.5	173.1	171.7	173.1	174.5	175.8
107.5°	227.5	225.7	223.9	222.5	221.4	220.3	219.0	217.9	219.0	220.3	221.4
110°	256.9	255.5	254.2	252.9	251.9	250.9	249.8	248.8	249.8	250.9	251.9



TEST NUMBER: P332336-840

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	286.0	284.6	283.2	282.0	281.0	280.1	279.2	278.3	279.2	280.1	281.0
115°	328.3	327.2	326.0	325.1	324.3	323.5	322.8	321.9	322.8	323.5	324.3
117.5°	370.0	369.4	368.8	368.0	367.1	366.2	365.2	364.3	365.2	366.2	367.1
120°	396.7	396.3	395.9	395.2	393.9	392.8	391.6	390.5	391.6	392.8	393.9
122.5°	422.7	422.2	421.7	421.0	420.1	419.1	418.2	417.3	418.2	419.1	420.1
125°	459.8	459.3	458.8	458.0	457.0	456.0	454.9	453.8	454.9	456.0	457.0
127.5°	495.5	494.8	494.2	493.4	492.4	491.4	490.4	489.4	490.4	491.4	492.4
130°	517.4	516.8	516.3	515.5	514.5	513.5	512.5	511.5	512.5	513.5	514.5
132.5°	538.3	537.9	537.5	536.7	535.7	534.7	533.7	532.7	533.7	534.7	535.7
135°	569.8	569.3	568.8	568.2	567.3	566.5	565.8	565.0	565.8	566.5	567.3
137.5°	597.7	597.4	597.2	596.5	595.6	594.6	593.7	592.7	593.7	594.6	595.6
140°	615.5	615.1	614.8	614.2	613.4	612.7	611.9	611.1	611.9	612.7	613.4
142.5°	632.6	632.2	631.8	631.3	630.5	629.8	628.9	628.1	628.9	629.8	630.5
145°	656.7	656.4	656.2	655.6	654.7	653.8	652.9	652.0	652.9	653.8	654.7
147.5°	677.7	677.5	677.2	676.8	676.2	675.7	675.1	674.5	675.1	675.7	676.2
150°	690.6	690.4	690.1	689.8	689.4	689.0	688.7	688.3	688.7	689.0	689.4
152.5°	702.0	701.8	701.7	701.5	701.3	701.0	700.9	700.7	700.9	701.0	701.3
155°	717.4	717.3	717.2	717.2	717.5	717.7	718.0	718.2	718.0	717.7	717.5
157.5°	731.4	731.5	731.6	731.7	731.7	731.7	731.8	731.8	731.8	731.7	731.7
160°	739.2	739.3	739.5	739.6	739.7	739.9	740.0	740.1	740.0	739.9	739.7
162.5°	746.2	746.3	746.4	746.6	747.0	747.3	747.6	748.0	747.6	747.3	747.0
165°	755.4	755.5	755.6	755.9	756.3	756.7	757.0	757.4	757.0	756.7	756.3
167.5°	762.4	762.4	762.4	762.8	763.3	763.8	764.3	764.8	764.3	763.8	763.3
170°	766.6	766.6	766.6	766.9	767.4	767.9	768.4	768.9	768.4	767.9	767.4
172.5°	769.2	769.1	769.0	769.2	769.8	770.4	771.1	771.7	771.1	770.4	769.8
175°	772.7	772.5	772.4	772.7	773.4	774.0	774.7	775.3	774.7	774.0	773.4
177.5°	774.2	774.1	774.0	774.2	774.7	775.2	775.7	776.2	775.7	775.2	774.7
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332336-840

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

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°	9.3	9.7	11.0	12.2	13.5	14.7	15.6	16.4	17.2	18.0	18.5
95°	14.1	12.2	13.6	15.0	16.5	17.9	18.8	19.7	20.5	21.4	21.9
97.5°	61.2	55.4	46.2	37.0	27.8	18.6	19.6	20.6	21.6	22.6	23.2
100°	107.6	98.9	78.9	59.0	39.0	19.0	20.0	21.0	22.1	23.1	23.6
102.5°	135.1	125.1	103.3	81.5	59.7	37.9	34.7	31.5	28.4	25.2	23.7
105°	177.2	172.2	160.7	149.2	137.6	126.1	103.5	80.8	58.2	35.5	24.3
107.5°	222.5	223.9	225.7	227.5	229.3	231.2	214.6	197.9	181.4	164.7	147.9
110°	252.9	254.2	255.5	256.9	258.3	259.7	255.5	251.4	247.1	242.9	231.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	282.0	283.2	284.6	286.0	287.4	288.8	288.9	288.9	289.0	289.1	287.2
115°	325.1	326.0	327.2	328.3	329.4	330.6	331.9	333.2	334.5	335.8	336.6
117.5°	368.0	368.8	369.4	370.0	370.6	371.1	372.2	373.2	374.3	375.3	375.9
120°	395.2	395.9	396.3	396.7	397.1	397.4	398.5	399.5	400.5	401.5	402.0
122.5°	421.0	421.7	422.2	422.7	423.2	423.7	424.4	425.2	425.9	426.6	427.0
125°	458.0	458.8	459.3	459.8	460.3	460.8	461.0	461.3	461.5	461.8	462.1
127.5°	493.4	494.2	494.8	495.5	496.1	496.8	497.2	497.6	498.0	498.4	498.5
130°	515.5	516.3	516.8	517.4	517.9	518.4	518.9	519.4	519.9	520.4	520.6
132.5°	536.7	537.5	537.9	538.3	538.7	539.2	539.7	540.2	540.7	541.2	541.3
135°	568.2	568.8	569.3	569.8	570.3	570.8	571.2	571.6	572.0	572.3	572.3
137.5°	596.5	597.2	597.4	597.7	598.0	598.3	599.0	599.6	600.2	600.8	601.0
140°	614.2	614.8	615.1	615.5	615.9	616.3	616.8	617.3	617.8	618.3	618.4
142.5°	631.3	631.8	632.2	632.6	633.0	633.4	633.8	634.2	634.6	635.0	635.0
145°	655.6	656.2	656.4	656.7	656.9	657.2	657.4	657.7	657.9	658.2	658.3
147.5°	676.8	677.2	677.5	677.7	678.0	678.3	678.5	678.8	679.0	679.3	679.1
150°	689.8	690.1	690.4	690.6	690.9	691.2	691.5	691.7	692.0	692.2	692.2
152.5°	701.5	701.7	701.8	702.0	702.1	702.3	702.7	703.2	703.6	704.1	704.0
155°	717.2	717.2	717.3	717.4	717.5	717.7	718.3	718.9	719.6	720.2	720.1
157.5°	731.7	731.6	731.5	731.4	731.2	731.1	732.0	732.7	733.5	734.3	734.1
160°	739.6	739.5	739.3	739.2	739.1	739.0	739.7	740.5	741.2	742.0	741.9
162.5°	746.6	746.4	746.3	746.2	746.0	745.9	746.8	747.6	748.5	749.4	749.4
165°	755.9	755.6	755.5	755.4	755.3	755.1	756.2	757.2	758.2	759.2	759.3
167.5°	762.8	762.4	762.4	762.4	762.4	762.4	763.6	764.6	765.6	766.6	766.6
170°	766.9	766.6	766.6	766.6	766.6	766.6	767.7	768.7	769.7	770.7	770.7
172.5°	769.2	769.0	769.1	769.2	769.3	769.4	770.4	771.4	772.4	773.5	773.5
175°	772.7	772.4	772.5	772.7	772.8	773.0	773.9	774.8	775.7	776.6	776.5
177.5°	774.2	774.0	774.1	774.2	774.3	774.4	775.2	776.0	776.8	777.6	777.5
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332336-840

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

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°	18.7	18.8	19.0	19.1	19.0	18.8	18.7	18.5	18.0	17.2	16.4
95°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.4	20.5	19.7
97.5°	23.3	23.4	23.6	23.7	23.6	23.4	23.3	23.2	22.6	21.6	20.6
100°	23.8	23.9	24.0	24.2	24.0	23.9	23.8	23.6	23.1	22.1	21.0
102.5°	23.9	24.2	24.4	24.6	24.4	24.2	23.9	23.7	25.2	28.4	31.5
105°	24.5	24.8	25.0	25.3	25.0	24.8	24.5	24.3	35.5	58.2	80.8
107.5°	130.8	113.7	96.6	79.6	96.6	113.7	130.8	147.9	164.7	181.4	197.9
110°	213.3	195.0	176.7	158.3	176.7	195.0	213.3	231.6	242.9	247.1	251.4



TEST NUMBER: P332336-840

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	283.4	279.4	275.6	271.8	275.6	279.4	283.4	287.2	289.1	289.0	288.9
115°	337.1	337.7	338.2	338.7	338.2	337.7	337.1	336.6	335.8	334.5	333.2
117.5°	376.0	376.1	376.2	376.3	376.2	376.1	376.0	375.9	375.3	374.3	373.2
120°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	401.5	400.5	399.5
122.5°	427.1	427.2	427.3	427.4	427.3	427.2	427.1	427.0	426.6	425.9	425.2
125°	462.3	462.6	462.8	463.1	462.8	462.6	462.3	462.1	461.8	461.5	461.3
127.5°	498.2	498.0	497.7	497.5	497.7	498.0	498.2	498.5	498.4	498.0	497.6
130°	520.3	520.1	519.8	519.6	519.8	520.1	520.3	520.6	520.4	519.9	519.4
132.5°	540.9	540.5	540.2	539.8	540.2	540.5	540.9	541.3	541.2	540.7	540.2
135°	572.0	571.6	571.2	570.8	571.2	571.6	572.0	572.3	572.3	572.0	571.6
137.5°	600.7	600.5	600.2	600.0	600.2	600.5	600.7	601.0	600.8	600.2	599.6
140°	618.2	617.9	617.7	617.4	617.7	617.9	618.2	618.4	618.3	617.8	617.3
142.5°	634.7	634.3	633.9	633.6	633.9	634.3	634.7	635.0	635.0	634.6	634.2
145°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.2	657.9	657.7
147.5°	678.5	677.9	677.4	676.8	677.4	677.9	678.5	679.1	679.3	679.0	678.8
150°	691.8	691.4	690.9	690.6	690.9	691.4	691.8	692.2	692.2	692.0	691.7
152.5°	703.5	702.9	702.3	701.7	702.3	702.9	703.5	704.0	704.1	703.6	703.2
155°	719.4	718.6	717.9	717.1	717.9	718.6	719.4	720.1	720.2	719.6	718.9
157.5°	733.1	732.2	731.1	730.1	731.1	732.2	733.1	734.1	734.3	733.5	732.7
160°	741.1	740.2	739.3	738.4	739.3	740.2	741.1	741.9	742.0	741.2	740.5
162.5°	748.6	747.8	747.0	746.3	747.0	747.8	748.6	749.4	749.4	748.5	747.6
165°	758.4	757.5	756.6	755.7	756.6	757.5	758.4	759.3	759.2	758.2	757.2
167.5°	765.6	764.6	763.6	762.4	763.6	764.6	765.6	766.6	766.6	765.6	764.6
170°	769.7	768.7	767.7	766.6	767.7	768.7	769.7	770.7	770.7	769.7	768.7
172.5°	772.3	771.2	770.0	768.9	770.0	771.2	772.3	773.5	773.5	772.4	771.4
175°	775.5	774.5	773.5	772.3	773.5	774.5	775.5	776.5	776.6	775.7	774.8
177.5°	776.5	775.5	774.5	773.5	774.5	775.5	776.5	777.5	777.6	776.8	776.0
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332336-840

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

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°	15.6	14.7	13.5	12.2	11.0	9.7	9.3	9.6	10.0	10.4	10.7
95°	18.8	17.9	16.5	15.0	13.6	12.2	14.1	19.4	24.6	29.9	35.1
97.5°	19.6	18.6	27.8	37.0	46.2	55.4	61.2	63.5	65.9	68.3	70.6
100°	20.0	19.0	39.0	59.0	78.9	98.9	107.6	105.0	102.5	99.9	97.4
102.5°	34.7	37.9	59.7	81.5	103.3	125.1	135.1	133.3	131.5	129.6	127.7
105°	103.5	126.1	137.6	149.2	160.7	172.2	177.2	175.8	174.5	173.1	171.7
107.5°	214.6	231.2	229.3	227.5	225.7	223.9	222.5	221.4	220.3	219.0	217.9
110°	255.5	259.7	258.3	256.9	255.5	254.2	252.9	251.9	250.9	249.8	248.8



TEST NUMBER: P332336-840

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	288.9	288.8	287.4	286.0	284.6	283.2	282.0	281.0	280.1	279.2	278.3
115°	331.9	330.6	329.4	328.3	327.2	326.0	325.1	324.3	323.5	322.8	321.9
117.5°	372.2	371.1	370.6	370.0	369.4	368.8	368.0	367.1	366.2	365.2	364.3
120°	398.5	397.4	397.1	396.7	396.3	395.9	395.2	393.9	392.8	391.6	390.5
122.5°	424.4	423.7	423.2	422.7	422.2	421.7	421.0	420.1	419.1	418.2	417.3
125°	461.0	460.8	460.3	459.8	459.3	458.8	458.0	457.0	456.0	454.9	453.8
127.5°	497.2	496.8	496.1	495.5	494.8	494.2	493.4	492.4	491.4	490.4	489.4
130°	518.9	518.4	517.9	517.4	516.8	516.3	515.5	514.5	513.5	512.5	511.5
132.5°	539.7	539.2	538.7	538.3	537.9	537.5	536.7	535.7	534.7	533.7	532.7
135°	571.2	570.8	570.3	569.8	569.3	568.8	568.2	567.3	566.5	565.8	565.0
137.5°	599.0	598.3	598.0	597.7	597.4	597.2	596.5	595.6	594.6	593.7	592.7
140°	616.8	616.3	615.9	615.5	615.1	614.8	614.2	613.4	612.7	611.9	611.1
142.5°	633.8	633.4	633.0	632.6	632.2	631.8	631.3	630.5	629.8	628.9	628.1
145°	657.4	657.2	656.9	656.7	656.4	656.2	655.6	654.7	653.8	652.9	652.0
147.5°	678.5	678.3	678.0	677.7	677.5	677.2	676.8	676.2	675.7	675.1	674.5
150°	691.5	691.2	690.9	690.6	690.4	690.1	689.8	689.4	689.0	688.7	688.3
152.5°	702.7	702.3	702.1	702.0	701.8	701.7	701.5	701.3	701.0	700.9	700.7
155°	718.3	717.7	717.5	717.4	717.3	717.2	717.2	717.5	717.7	718.0	718.2
157.5°	732.0	731.1	731.2	731.4	731.5	731.6	731.7	731.7	731.7	731.8	731.8
160°	739.7	739.0	739.1	739.2	739.3	739.5	739.6	739.7	739.9	740.0	740.1
162.5°	746.8	745.9	746.0	746.2	746.3	746.4	746.6	747.0	747.3	747.6	748.0
165°	756.2	755.1	755.3	755.4	755.5	755.6	755.9	756.3	756.7	757.0	757.4
167.5°	763.6	762.4	762.4	762.4	762.4	762.4	762.8	763.3	763.8	764.3	764.8
170°	767.7	766.6	766.6	766.6	766.6	766.6	766.9	767.4	767.9	768.4	768.9
172.5°	770.4	769.4	769.3	769.2	769.1	769.0	769.2	769.8	770.4	771.1	771.7
175°	773.9	773.0	772.8	772.7	772.5	772.4	772.7	773.4	774.0	774.7	775.3
177.5°	775.2	774.4	774.3	774.2	774.1	774.0	774.2	774.7	775.2	775.7	776.2
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P332336-840

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

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°	10.4	10.0	9.6	9.3	9.7	11.0	12.2	13.5	14.7	15.6	16.4
95°	29.9	24.6	19.4	14.1	12.2	13.6	15.0	16.5	17.9	18.8	19.7
97.5°	68.3	65.9	63.5	61.2	55.4	46.2	37.0	27.8	18.6	19.6	20.6
100°	99.9	102.5	105.0	107.6	98.9	78.9	59.0	39.0	19.0	20.0	21.0
102.5°	129.6	131.5	133.3	135.1	125.1	103.3	81.5	59.7	37.9	34.7	31.5
105°	173.1	174.5	175.8	177.2	172.2	160.7	149.2	137.6	126.1	103.5	80.8
107.5°	219.0	220.3	221.4	222.5	223.9	225.7	227.5	229.3	231.2	214.6	197.9
110°	249.8	250.9	251.9	252.9	254.2	255.5	256.9	258.3	259.7	255.5	251.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	279.2	280.1	281.0	282.0	283.2	284.6	286.0	287.4	288.8	288.9	288.9
115°	322.8	323.5	324.3	325.1	326.0	327.2	328.3	329.4	330.6	331.9	333.2
117.5°	365.2	366.2	367.1	368.0	368.8	369.4	370.0	370.6	371.1	372.2	373.2
120°	391.6	392.8	393.9	395.2	395.9	396.3	396.7	397.1	397.4	398.5	399.5
122.5°	418.2	419.1	420.1	421.0	421.7	422.2	422.7	423.2	423.7	424.4	425.2
125°	454.9	456.0	457.0	458.0	458.8	459.3	459.8	460.3	460.8	461.0	461.3
127.5°	490.4	491.4	492.4	493.4	494.2	494.8	495.5	496.1	496.8	497.2	497.6
130°	512.5	513.5	514.5	515.5	516.3	516.8	517.4	517.9	518.4	518.9	519.4
132.5°	533.7	534.7	535.7	536.7	537.5	537.9	538.3	538.7	539.2	539.7	540.2
135°	565.8	566.5	567.3	568.2	568.8	569.3	569.8	570.3	570.8	571.2	571.6
137.5°	593.7	594.6	595.6	596.5	597.2	597.4	597.7	598.0	598.3	599.0	599.6
140°	611.9	612.7	613.4	614.2	614.8	615.1	615.5	615.9	616.3	616.8	617.3
142.5°	628.9	629.8	630.5	631.3	631.8	632.2	632.6	633.0	633.4	633.8	634.2
145°	652.9	653.8	654.7	655.6	656.2	656.4	656.7	656.9	657.2	657.4	657.7
147.5°	675.1	675.7	676.2	676.8	677.2	677.5	677.7	678.0	678.3	678.5	678.8
150°	688.7	689.0	689.4	689.8	690.1	690.4	690.6	690.9	691.2	691.5	691.7
152.5°	700.9	701.0	701.3	701.5	701.7	701.8	702.0	702.1	702.3	702.7	703.2
155°	718.0	717.7	717.5	717.2	717.2	717.3	717.4	717.5	717.7	718.3	718.9
157.5°	731.8	731.7	731.7	731.7	731.6	731.5	731.4	731.2	731.1	732.0	732.7
160°	740.0	739.9	739.7	739.6	739.5	739.3	739.2	739.1	739.0	739.7	740.5
162.5°	747.6	747.3	747.0	746.6	746.4	746.3	746.2	746.0	745.9	746.8	747.6
165°	757.0	756.7	756.3	755.9	755.6	755.5	755.4	755.3	755.1	756.2	757.2
167.5°	764.3	763.8	763.3	762.8	762.4	762.4	762.4	762.4	762.4	763.6	764.6
170°	768.4	767.9	767.4	766.9	766.6	766.6	766.6	766.6	766.6	767.7	768.7
172.5°	771.1	770.4	769.8	769.2	769.0	769.1	769.2	769.3	769.4	770.4	771.4
175°	774.7	774.0	773.4	772.7	772.4	772.5	772.7	772.8	773.0	773.9	774.8
177.5°	775.7	775.2	774.7	774.2	774.0	774.1	774.2	774.3	774.4	775.2	776.0
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



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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°	17.2	18.0	18.5	18.7	18.8	19.0	19.1
95°	20.5	21.4	21.9	21.9	21.9	21.9	21.9
97.5°	21.6	22.6	23.2	23.3	23.4	23.6	23.7
100°	22.1	23.1	23.6	23.8	23.9	24.0	24.2
102.5°	28.4	25.2	23.7	23.9	24.2	24.4	24.6
105°	58.2	35.5	24.3	24.5	24.8	25.0	25.3
107.5°	181.4	164.7	147.9	130.8	113.7	96.6	79.6
110°	247.1	242.9	231.6	213.3	195.0	176.7	158.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	289.0	289.1	287.2	283.4	279.4	275.6	271.8
115°	334.5	335.8	336.6	337.1	337.7	338.2	338.7
117.5°	374.3	375.3	375.9	376.0	376.1	376.2	376.3
120°	400.5	401.5	402.0	402.0	402.0	402.0	402.0
122.5°	425.9	426.6	427.0	427.1	427.2	427.3	427.4
125°	461.5	461.8	462.1	462.3	462.6	462.8	463.1
127.5°	498.0	498.4	498.5	498.2	498.0	497.7	497.5
130°	519.9	520.4	520.6	520.3	520.1	519.8	519.6
132.5°	540.7	541.2	541.3	540.9	540.5	540.2	539.8
135°	572.0	572.3	572.3	572.0	571.6	571.2	570.8
137.5°	600.2	600.8	601.0	600.7	600.5	600.2	600.0
140°	617.8	618.3	618.4	618.2	617.9	617.7	617.4
142.5°	634.6	635.0	635.0	634.7	634.3	633.9	633.6
145°	657.9	658.2	658.3	658.3	658.3	658.3	658.3
147.5°	679.0	679.3	679.1	678.5	677.9	677.4	676.8
150°	692.0	692.2	692.2	691.8	691.4	690.9	690.6
152.5°	703.6	704.1	704.0	703.5	702.9	702.3	701.7
155°	719.6	720.2	720.1	719.4	718.6	717.9	717.1
157.5°	733.5	734.3	734.1	733.1	732.2	731.1	730.1
160°	741.2	742.0	741.9	741.1	740.2	739.3	738.4
162.5°	748.5	749.4	749.4	748.6	747.8	747.0	746.3
165°	758.2	759.2	759.3	758.4	757.5	756.6	755.7
167.5°	765.6	766.6	766.6	765.6	764.6	763.6	762.4
170°	769.7	770.7	770.7	769.7	768.7	767.7	766.6
172.5°	772.4	773.5	773.5	772.3	771.2	770.0	768.9
175°	775.7	776.6	776.5	775.5	774.5	773.5	772.3
177.5°	776.8	777.6	777.5	776.5	775.5	774.5	773.5
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3

(END OF REPORT)