

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: P333653

Luminaire Tested: **S125RDIW-S375D1340U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333653  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S375D1340U835-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6113.2 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

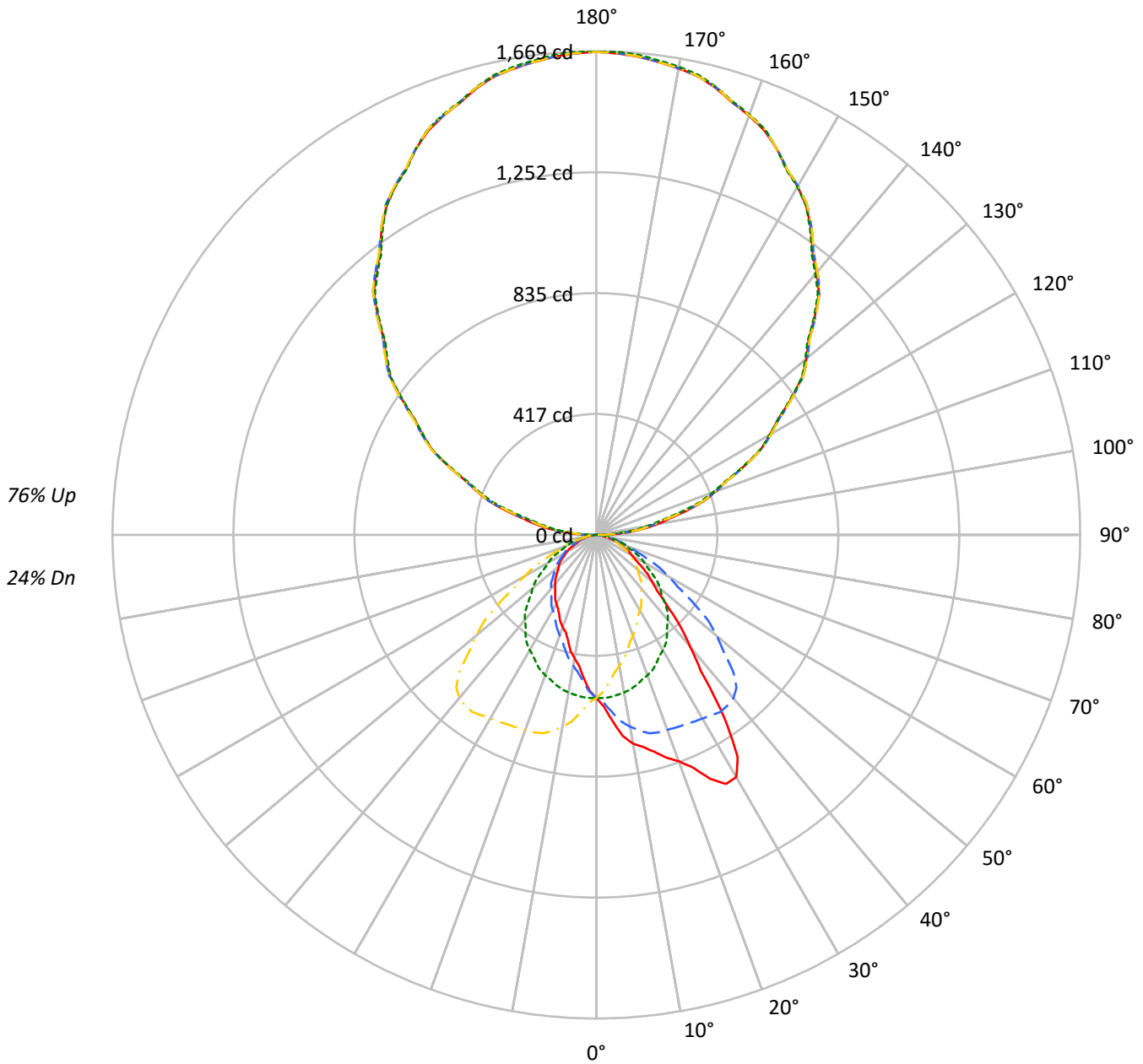
Input Watts (W): 46.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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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	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	92	88	84	81	82	78	75	73	60	58	57	44	43	42	29	28	27	21
2	84	77	71	66	74	69	64	60	53	50	47	39	37	35	25	24	23	17
3	77	68	61	55	68	61	55	50	47	43	40	34	32	30	23	21	20	15
4	70	60	53	47	62	54	47	42	42	37	34	31	28	26	20	19	17	13
5	64	53	46	40	57	48	41	36	37	33	29	27	24	22	18	17	15	11
6	59	48	40	35	52	43	36	31	33	29	25	25	22	19	17	15	13	10
7	55	43	35	30	48	39	32	27	30	26	22	22	19	17	15	13	12	9
8	50	39	31	26	45	35	29	24	27	23	20	20	17	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	13	13	11	10	7
10	44	32	25	21	39	29	23	19	23	19	16	17	14	12	12	10	9	7

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

	0°	90°	180°	270°
0°	3635	3635	3635	3635
5°	4182	3640	3215	3640
10°	4798	3621	2837	3621
15°	5182	3584	2521	3584
20°	5714	3542	2328	3542
25°	6613	3484	2161	3484
30°	7196	3424	2051	3424
35°	6070	3354	1949	3354
40°	4239	3228	1862	3228
45°	3145	3058	1777	3058
50°	2508	2882	1704	2882
55°	2128	2662	1639	2662
60°	1838	2466	1535	2466
65°	1638	2253	1320	2253
70°	1441	2064	1205	2064
75°	1245	1787	1130	1787
80°	945	1503	945	1503
85°	785	1178	889	1178



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.0	0.9
10°-20°	158.2	2.6
20°-30°	250.8	4.1
30°-40°	302.5	4.9
40°-50°	270.1	4.4
50°-60°	207.1	3.4
60°-70°	134.6	2.2
70°-80°	65.4	1.1
80°-90°	19.3	0.3
90°-100°	111.6	1.8
100°-110°	329.7	5.4
110°-120°	558.4	9.1
120°-130°	734.9	12.0
130°-140°	823.5	13.5
140°-150°	807.1	13.2
150°-160°	677.9	11.1
160°-170°	450.6	7.4
170°-180°	157.7	2.6
0°-30°	463.0	7.6
0°-40°	765.4	12.5
0°-60°	1242.7	20.3
0°-90°	1462.0	23.9
90°-120°	999.7	16.4
90°-150°	3365.1	55.0
90°-180°	4651.0	76.1
0°-180°	6113.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	563	563	563	563	563	
5°	645	562	496	562	645	64
15°	775	536	377	536	775	222
25°	928	489	303	489	928	426
35°	770	425	247	425	770	465
45°	344	335	195	335	344	275
55°	189	236	146	236	189	172
65°	107	147	86	147	107	107
75°	50	72	45	72	50	53
85°	11	16	12	16	11	13
90°	31	1	31	1	31	18
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	564	559	564	559	564	558
125°	821	816	821	816	821	733
135°	1065	1061	1065	1061	1065	822
145°	1291	1286	1291	1286	1291	806
155°	1471	1471	1471	1471	1471	677
165°	1596	1599	1596	1599	1596	450
175°	1656	1663	1656	1663	1656	157
180°	1667	1667	1667	1667	1667	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	592.1	591.7	592.5	590.4	590.6	587.5	587.5	585.1	581.9	579.5	578.4
5°	645.1	645.6	644.7	641.2	638.9	635.4	631.5	624.6	618.8	613.2	608.9
7.5°	699.8	700.1	697.0	696.0	690.1	685.9	677.2	667.7	659.4	648.7	640.6
10°	731.6	731.3	728.1	725.5	720.5	714.0	705.4	694.4	684.0	672.4	661.3
12.5°	750.0	749.4	748.4	745.3	740.6	734.9	727.6	716.7	703.9	691.3	678.3
15°	775.0	773.4	770.4	766.4	759.7	753.0	745.0	735.3	723.0	708.7	696.7
17.5°	805.9	805.9	801.3	795.8	786.7	774.9	762.4	746.8	730.1	714.4	701.6
20°	831.4	830.7	826.1	815.4	805.0	790.2	775.9	756.7	736.4	715.8	699.9
22.5°	868.0	866.2	861.4	847.4	831.3	812.2	790.3	766.9	742.3	719.0	698.0
25°	928.0	926.6	917.1	900.9	878.3	848.9	820.3	788.2	752.8	722.1	696.7
27.5°	969.0	967.5	960.4	947.0	926.1	895.2	856.5	813.5	769.4	727.1	690.5
30°	964.9	968.4	967.5	961.2	945.5	917.8	882.0	833.7	781.2	731.6	687.9
32.5°	906.9	910.0	918.1	930.4	931.3	920.2	893.4	848.8	794.5	738.0	685.8
35°	769.9	774.1	789.8	814.5	846.9	873.9	879.4	855.4	806.6	745.9	682.8
37.5°	591.9	614.6	627.9	653.9	702.8	752.5	800.3	817.9	797.2	742.6	677.9
40°	502.8	508.3	531.9	561.3	602.4	654.1	722.3	771.5	773.1	735.3	670.1
42.5°	430.3	437.4	453.5	477.0	512.2	563.9	634.3	699.3	729.3	714.9	659.9
45°	344.3	349.6	361.4	379.4	406.4	449.2	509.7	584.8	644.4	667.8	632.7
47.5°	282.8	285.7	295.9	309.7	329.7	360.8	407.7	472.9	544.4	594.5	589.6
50°	249.6	252.8	260.6	271.0	287.9	314.2	351.7	406.0	479.7	540.9	553.2
52.5°	223.7	226.4	231.3	241.1	255.0	275.2	305.5	354.6	420.9	486.0	514.4
55°	189.0	190.9	194.8	200.3	211.4	226.0	252.1	286.1	339.7	405.3	446.9
57.5°	160.5	161.4	163.9	169.0	176.7	187.3	206.2	234.9	273.4	332.5	378.4
60°	142.3	143.3	146.5	150.0	156.0	165.7	180.5	200.6	237.5	286.3	332.7
62.5°	127.9	128.5	129.9	133.3	138.6	146.1	157.7	174.1	203.5	246.4	290.2
65°	107.2	107.4	107.9	110.7	113.9	119.5	127.1	138.6	160.8	193.2	232.0
67.5°	87.3	87.7	89.3	90.3	93.6	96.5	101.0	109.8	125.5	147.3	177.5
70°	76.3	76.0	77.6	78.8	79.9	83.4	86.4	93.6	103.3	119.9	145.1
72.5°	65.9	65.3	66.0	66.4	67.9	70.3	73.3	77.7	85.2	96.6	115.9
75°	49.9	50.1	50.1	50.6	51.8	52.7	53.6	55.9	60.1	67.7	78.1
77.5°	35.0	34.7	35.6	35.8	36.5	37.5	38.3	39.2	40.9	44.0	49.4
80°	25.4	25.4	25.6	26.3	26.1	26.6	27.7	28.7	30.7	32.6	34.4
82.5°	19.5	19.3	19.5	19.7	19.6	20.1	20.5	20.7	21.5	22.4	23.7
85°	10.6	10.6	10.9	10.9	11.1	11.1	11.3	11.3	11.3	11.6	11.8
87.5°	10.3	9.9	9.6	9.4	9.4	9.6	9.1	8.6	8.3	8.0	7.8
90°	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6	51.7	49.8	47.3
95°	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9	101.9	99.9	97.0
97.5°	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8	160.9	159.0	155.1
100°	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7	201.1	198.5	194.7
102.5°	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6	242.8	240.0	238.1
105°	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5	311.8	310.0	308.3
107.5°	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7	385.9	385.0	383.7
110°	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6	436.7	435.8	435.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5	488.1	487.7	486.6
115°	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3	566.6	566.9	566.3
117.5°	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1	643.9	643.7	643.1
120°	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6	696.6	696.6	696.3
122.5°	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0	748.2	748.5	747.7
125°	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8	824.4	825.0	824.7
127.5°	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1	899.4	899.7	899.4
130°	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9	949.2	949.5	948.9
132.5°	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7	997.0	997.3	997.4
135°	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2	1070.2	1070.2	1069.9
137.5°	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7	1141.3	1141.0	1140.4
140°	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8	1186.2	1185.6	1184.7
142.5°	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9	1230.6	1230.2	1229.1
145°	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6	1294.6	1294.6	1293.7
147.5°	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5	1352.9	1352.2	1351.5
150°	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6	1390.6	1390.6	1389.4
152.5°	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1	1424.5	1423.8	1423.3
155°	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6	1473.4	1472.3	1472.0
157.5°	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4	1516.2	1515.1	1514.8
160°	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3	1542.2	1541.0	1540.7
162.5°	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7	1566.3	1564.9	1564.8
165°	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4	1599.3	1598.1	1597.8
167.5°	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7	1622.9	1621.2	1621.2
170°	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2	1637.5	1635.7	1635.7
172.5°	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6	1647.8	1646.1	1646.1
175°	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2	1659.5	1657.8	1657.8
177.5°	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5	1665.1	1663.7	1664.0
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	578.4	577.1	574.7	572.5	569.7	567.3	565.6	563.6	561.0	557.9	555.3
5°	604.0	598.9	592.2	586.4	579.0	573.3	567.3	561.5	555.7	548.3	541.8
7.5°	632.4	621.9	611.7	598.8	587.2	576.8	566.8	556.7	546.8	536.3	526.2
10°	649.8	637.0	623.0	606.8	592.0	577.9	565.0	552.2	538.8	527.1	514.4
12.5°	666.0	649.6	633.5	613.1	595.3	578.1	561.6	545.8	531.5	516.2	502.5
15°	680.7	664.5	646.5	621.6	596.8	576.0	556.6	536.1	518.3	501.2	485.9
17.5°	686.4	669.4	648.5	624.5	597.5	571.3	546.3	523.8	502.8	482.9	465.8
20°	684.2	667.8	646.3	623.4	594.5	567.3	540.2	515.3	491.9	470.9	452.7
22.5°	678.8	661.9	641.1	616.9	589.5	560.6	531.7	505.1	480.7	458.9	439.0
25°	670.8	647.7	626.4	602.8	576.7	548.1	518.3	488.9	462.8	440.6	418.9
27.5°	662.4	633.6	606.5	583.1	555.5	530.0	501.2	471.1	443.7	421.1	398.8
30°	654.8	622.5	592.7	566.1	540.0	515.7	488.5	459.1	430.9	407.6	385.0
32.5°	645.4	611.0	578.3	547.6	522.4	498.4	473.7	445.6	418.2	394.1	371.1
35°	633.6	589.7	554.1	521.5	493.6	470.2	448.0	425.4	397.9	372.9	350.5
37.5°	618.1	568.2	527.1	491.6	462.1	438.7	421.1	400.4	375.3	351.5	330.7
40°	608.6	552.7	507.7	472.5	441.6	416.8	400.4	382.9	360.0	337.6	316.8
42.5°	596.1	538.5	488.1	451.5	420.3	396.5	379.9	364.6	345.4	324.3	302.0
45°	571.4	510.9	458.0	418.7	387.3	363.9	348.4	334.8	320.3	300.8	281.4
47.5°	539.4	482.1	426.7	383.8	353.1	331.4	316.4	305.6	295.2	278.7	259.9
50°	513.7	458.4	404.4	362.8	330.0	309.4	295.3	286.8	277.3	262.3	246.5
52.5°	483.3	434.0	381.1	338.6	307.6	288.3	274.8	266.2	258.4	246.2	231.2
55°	435.6	392.3	343.8	305.2	276.8	257.4	244.5	236.4	231.8	221.4	209.6
57.5°	380.4	349.5	306.7	269.5	244.3	225.2	215.7	208.8	203.6	196.2	187.9
60°	342.0	320.3	281.9	246.5	223.4	205.2	196.6	190.9	186.0	179.8	173.3
62.5°	303.0	287.2	253.8	223.4	202.2	186.9	178.9	173.7	168.1	163.9	157.6
65°	250.7	236.6	213.5	189.7	170.1	157.8	152.0	147.4	144.0	139.3	134.9
67.5°	195.0	189.3	173.3	156.9	142.8	131.9	126.9	123.7	119.6	116.8	113.8
70°	160.8	158.0	146.7	135.9	122.7	115.3	110.7	109.3	104.2	101.4	99.4
72.5°	130.5	129.2	122.7	115.2	105.9	99.4	95.2	93.6	90.3	88.1	86.8
75°	89.4	89.9	88.7	83.9	80.4	76.3	72.6	71.6	69.3	67.5	66.3
77.5°	56.6	58.9	59.0	58.8	57.4	54.9	53.3	52.6	50.4	49.7	49.4
80°	38.8	41.4	43.7	43.4	43.0	42.3	41.1	40.4	39.3	38.6	38.1
82.5°	25.9	28.2	30.2	31.4	31.3	30.6	29.9	29.5	29.3	28.8	28.7
85°	12.2	12.7	13.4	15.0	16.2	16.4	16.2	15.9	15.3	15.5	15.7
87.5°	7.6	7.2	7.0	6.5	5.9	6.4	6.5	6.2	6.3	6.4	6.4
90°	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3	3.6	5.9	8.2
92.5°	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4	33.0	34.6	36.2
95°	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3	84.9	85.5	86.0
97.5°	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1	140.3	140.6	140.8
100°	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6
102.5°	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2	227.4	228.5	229.7
105°	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8	297.2	298.6	300.1
107.5°	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5	374.0	375.4	376.9
110°	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5	426.9	428.4	429.8





TEST NUMBER: P333653

CATALOG NUMBER: S125RDIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4	480.2	480.9	481.7
115°	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1	560.2	561.4	562.5
117.5°	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0	639.5	640.0	640.5
120°	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8	690.2	691.7	693.1
122.5°	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8	743.3	743.8	744.3
125°	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9	817.6	819.4	821.1
127.5°	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7	894.7	895.7	896.7
130°	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4	941.9	943.3	944.8
132.5°	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1	989.5	991.9	994.2
135°	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1	1062.8	1064.5	1066.3
137.5°	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6	1132.3	1134.0	1135.6
140°	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2	1176.7	1178.1	1179.6
142.5°	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9	1221.1	1222.3	1223.5
145°	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5	1286.6	1287.8	1288.9
147.5°	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2	1346.8	1347.5	1348.1
150°	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7	1386.4	1386.1	1385.8
152.5°	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9	1420.3	1420.7	1421.1
155°	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6	1516.0	1515.4	1514.7
160°	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6	1542.8	1541.9	1541.0
162.5°	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5	1566.9	1566.2	1565.6
165°	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4	1598.8	1598.2	1597.7
167.5°	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4	1625.2	1624.1	1622.9
170°	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9	1639.8	1638.6	1637.5
172.5°	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3	1650.1	1649.0	1647.8
175°	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0	1661.8	1660.7	1659.5
177.5°	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9	1668.0	1667.1	1666.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333653

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	553.4	550.9	549.0	545.3	542.7	541.6	539.6	539.0	541.1	539.6	539.4
5°	537.0	530.3	525.0	519.7	513.9	510.2	504.6	503.7	502.3	500.3	499.8
7.5°	517.3	508.5	501.7	492.9	485.3	479.1	472.2	468.9	467.1	464.4	460.8
10°	504.0	493.6	484.3	475.5	466.1	458.4	451.5	446.2	442.7	439.5	438.1
12.5°	490.8	480.2	468.4	457.8	447.2	438.7	431.0	427.5	423.7	419.9	416.7
15°	470.4	456.4	443.4	431.2	422.2	412.9	405.5	400.4	394.7	393.0	386.8
17.5°	448.8	435.0	419.8	407.0	396.5	386.3	378.2	372.4	368.1	362.1	359.3
20°	435.3	418.9	404.1	392.3	380.8	368.8	360.5	355.6	351.5	346.6	344.3
22.5°	420.9	404.9	389.7	375.9	364.2	352.3	346.4	341.4	336.7	332.2	329.1
25°	399.7	383.6	367.6	353.3	341.1	332.5	325.6	319.8	317.3	312.9	309.6
27.5°	378.8	361.6	345.1	330.8	321.2	312.7	307.0	302.5	297.9	294.1	291.2
30°	365.3	347.8	329.7	318.4	308.2	300.2	293.9	289.5	286.1	282.6	280.5
32.5°	351.8	333.7	317.7	305.5	295.9	288.9	282.5	278.2	274.6	270.8	268.3
35°	330.2	311.7	298.8	286.8	277.3	270.8	266.4	260.4	257.4	254.6	252.1
37.5°	310.1	292.9	278.9	268.4	260.1	253.7	248.0	244.8	241.1	238.6	236.5
40°	295.3	279.6	266.9	255.8	249.8	242.6	237.3	233.1	230.4	227.1	224.8
42.5°	282.0	267.4	255.0	245.1	237.6	231.5	226.4	222.2	218.7	216.4	214.5
45°	263.2	248.6	236.6	227.4	220.4	214.7	209.3	207.3	202.6	199.9	198.9
47.5°	243.7	230.7	219.1	210.6	203.5	198.0	193.0	188.8	186.2	183.5	182.0
50°	230.6	218.1	207.3	198.9	192.0	186.0	181.4	178.6	175.1	172.6	170.8
52.5°	217.5	205.9	195.1	187.1	181.1	175.1	169.9	167.2	163.9	162.3	161.0
55°	198.7	186.5	177.2	169.4	163.1	157.6	152.7	150.0	147.9	146.3	145.8
57.5°	177.5	167.8	159.2	152.1	145.6	140.4	136.1	133.5	131.7	131.4	130.0
60°	163.6	154.8	147.0	139.3	133.8	128.9	125.2	122.2	120.4	120.2	119.7
62.5°	149.7	141.3	134.0	127.3	122.3	117.7	114.1	110.8	109.7	108.5	107.5
65°	129.2	121.5	115.5	110.2	104.9	101.0	97.5	95.4	92.9	91.5	89.0
67.5°	109.0	103.1	97.3	92.8	88.6	84.9	82.0	78.9	77.2	76.1	74.3
70°	95.7	91.0	85.3	80.4	77.2	74.2	71.9	68.4	67.2	66.3	65.4
72.5°	83.1	79.0	74.2	70.2	67.0	64.2	61.5	59.9	58.7	57.8	57.3
75°	65.4	61.5	57.3	54.5	52.2	49.9	48.5	47.4	46.9	46.7	45.8
77.5°	48.0	45.9	42.6	40.4	38.9	37.9	36.7	36.1	36.0	35.0	34.7
80°	36.7	35.6	32.8	31.9	30.7	29.8	29.1	28.0	26.8	26.3	25.6
82.5°	27.3	26.2	25.0	23.6	22.6	22.0	21.4	20.9	21.1	20.4	20.1
85°	14.6	13.4	12.9	12.7	12.2	12.7	12.5	12.2	12.0	11.8	12.0
87.5°	6.7	7.2	7.4	8.1	8.0	8.6	8.9	9.0	9.3	9.6	9.6
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.7
92.5°	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6	55.5	57.4	58.7
95°	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9	105.9	108.0	109.2
97.5°	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8	164.7	166.6	167.8
100°	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7	206.2	208.8	210.4
102.5°	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6	248.4	251.3	253.1
105°	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5	315.2	316.9	318.2
107.5°	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7	387.6	388.5	388.9
110°	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6	438.4	439.3	439.6



TEST NUMBER: P333653

CATALOG NUMBER: S125RDIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5	488.9	489.3	489.3
115°	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3	566.0	565.7	565.4
117.5°	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1	644.3	644.6	644.1
120°	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6	696.6	696.6	696.0
122.5°	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0	747.8	747.5	747.0
125°	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8	823.3	822.7	822.3
127.5°	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1	898.8	898.6	898.1
130°	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9	948.7	948.4	947.9
132.5°	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7	996.4	996.1	995.6
135°	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2	1070.2	1070.2	1069.6
137.5°	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7	1142.0	1142.4	1141.8
140°	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8	1187.3	1187.9	1187.5
142.5°	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9	1231.3	1231.6	1231.1
145°	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6	1294.6	1294.6	1294.1
147.5°	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5	1354.2	1354.9	1354.3
150°	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6	1390.6	1390.6	1390.3
152.5°	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1	1425.8	1426.5	1426.4
155°	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6	1475.7	1476.9	1476.7
157.5°	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4	1518.5	1519.7	1519.3
160°	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3	1544.5	1545.6	1545.5
162.5°	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7	1569.0	1570.4	1570.3
165°	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4	1601.6	1602.7	1602.4
167.5°	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7	1626.4	1628.1	1628.1
170°	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2	1640.9	1642.6	1642.5
172.5°	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6	1651.3	1653.0	1653.0
175°	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2	1663.0	1664.7	1664.5
177.5°	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5	1667.9	1669.3	1669.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333653

CATALOG NUMBER: S125RDIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.2	537.2	536.6	537.4	536.6	537.2	539.2	539.4	539.6	541.1	539.0
5°	497.5	495.2	496.3	495.9	496.3	495.2	497.5	499.8	500.3	502.3	503.7
7.5°	460.8	457.9	454.9	455.8	454.9	457.9	460.8	460.8	464.4	467.1	468.9
10°	435.1	432.8	431.4	432.6	431.4	432.8	435.1	438.1	439.5	442.7	446.2
12.5°	413.5	412.1	410.9	410.4	410.9	412.1	413.5	416.7	419.9	423.7	427.5
15°	384.0	381.3	380.1	377.1	380.1	381.3	384.0	386.8	393.0	394.7	400.4
17.5°	356.9	356.0	353.0	351.7	353.0	356.0	356.9	359.3	362.1	368.1	372.4
20°	340.8	339.9	336.9	338.7	336.9	339.9	340.8	344.3	346.6	351.5	355.6
22.5°	327.5	325.5	324.5	324.0	324.5	325.5	327.5	329.1	332.2	336.7	341.4
25°	308.7	305.7	304.5	303.2	304.5	305.7	308.7	309.6	312.9	317.3	319.8
27.5°	289.9	288.3	286.8	286.4	286.8	288.3	289.9	291.2	294.1	297.9	302.5
30°	277.7	276.1	275.0	275.0	275.0	276.1	277.7	280.5	282.6	286.1	289.5
32.5°	266.8	265.6	264.4	264.2	264.4	265.6	266.8	268.3	270.8	274.6	278.2
35°	250.9	249.1	248.6	247.2	248.6	249.1	250.9	252.1	254.6	257.4	260.4
37.5°	234.4	232.9	232.9	232.7	232.9	232.9	234.4	236.5	238.6	241.1	244.8
40°	223.9	222.7	222.5	220.9	222.5	222.7	223.9	224.8	227.1	230.4	233.1
42.5°	212.6	212.0	211.2	210.5	211.2	212.0	212.6	214.5	216.4	218.7	222.2
45°	197.3	195.7	195.7	194.6	195.7	195.7	197.3	198.9	199.9	202.6	207.3
47.5°	181.5	180.3	180.4	179.2	180.4	180.3	181.5	182.0	183.5	186.2	188.8
50°	171.0	170.3	170.1	169.6	170.1	170.3	171.0	170.8	172.6	175.1	178.6
52.5°	160.5	160.1	161.0	160.0	161.0	160.1	160.5	161.0	162.3	163.9	167.2
55°	146.3	145.6	147.0	145.6	147.0	145.6	146.3	145.8	146.3	147.9	150.0
57.5°	130.0	129.3	130.6	129.9	130.6	129.3	130.0	130.0	131.4	131.7	133.5
60°	119.2	117.8	118.5	118.8	118.5	117.8	119.2	119.7	120.2	120.4	122.2
62.5°	106.5	105.6	106.2	105.1	106.2	105.6	106.5	107.5	108.5	109.7	110.8
65°	88.5	87.8	86.9	86.4	86.9	87.8	88.5	89.0	91.5	92.9	95.4
67.5°	74.4	72.7	72.6	73.0	72.6	72.7	74.4	74.3	76.1	77.2	78.9
70°	64.0	64.0	63.8	63.8	63.8	64.0	64.0	65.4	66.3	67.2	68.4
72.5°	56.8	56.6	56.2	56.0	56.2	56.6	56.8	57.3	57.8	58.7	59.9
75°	45.8	46.0	45.5	45.3	45.5	46.0	45.8	45.8	46.7	46.9	47.4
77.5°	33.8	32.8	33.3	32.8	33.3	32.8	33.8	34.7	35.0	36.0	36.1
80°	25.6	25.4	26.1	25.4	26.1	25.4	25.6	25.6	26.3	26.8	28.0
82.5°	20.3	20.1	20.4	19.9	20.4	20.1	20.3	20.1	20.4	21.1	20.9
85°	12.2	12.0	11.8	12.0	11.8	12.0	12.2	12.0	11.8	12.0	12.2
87.5°	10.0	9.9	10.1	10.3	10.1	9.9	10.0	9.6	9.6	9.3	9.0
90°	28.5	29.4	30.3	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6
92.5°	59.3	60.0	60.6	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6
95°	109.8	110.4	111.0	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9
97.5°	168.1	168.5	168.8	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8
100°	211.0	211.6	212.2	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7
102.5°	253.9	254.7	255.5	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6
105°	319.1	320.0	320.8	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5
107.5°	388.8	388.7	388.7	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7
110°	439.3	439.0	438.7	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6



TEST NUMBER: P333653

CATALOG NUMBER: S125RDIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	488.8	488.3	487.7	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5
115°	565.1	564.8	564.6	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3
117.5°	643.0	641.8	640.7	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1
120°	694.8	693.7	692.5	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6
122.5°	746.0	745.1	744.2	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0
125°	822.0	821.7	821.4	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8
127.5°	897.6	897.0	896.4	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1
130°	947.4	946.8	946.2	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9
132.5°	994.8	993.9	993.1	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7
135°	1068.4	1067.3	1066.1	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2
137.5°	1140.4	1138.9	1137.5	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7
140°	1186.0	1184.6	1183.2	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8
142.5°	1229.6	1228.2	1226.7	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9
145°	1293.3	1292.4	1291.5	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6
147.5°	1352.3	1350.4	1348.4	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5
150°	1389.7	1389.1	1388.5	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6
152.5°	1425.3	1424.3	1423.2	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1
155°	1475.3	1473.9	1472.4	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6
157.5°	1517.4	1515.5	1513.6	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4
160°	1544.1	1542.6	1541.2	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3
162.5°	1568.6	1566.9	1565.3	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7
165°	1600.7	1599.0	1597.2	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4
167.5°	1626.3	1624.5	1622.7	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7
170°	1640.5	1638.5	1636.4	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2
172.5°	1651.2	1649.4	1647.6	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6
175°	1662.5	1660.5	1658.5	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2
177.5°	1667.5	1665.9	1664.3	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333653

CATALOG NUMBER: S125RDIW-S375D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.6	541.6	542.7	545.3	549.0	550.9	553.4	555.3	557.9	561.0	563.6
5°	504.6	510.2	513.9	519.7	525.0	530.3	537.0	541.8	548.3	555.7	561.5
7.5°	472.2	479.1	485.3	492.9	501.7	508.5	517.3	526.2	536.3	546.8	556.7
10°	451.5	458.4	466.1	475.5	484.3	493.6	504.0	514.4	527.1	538.8	552.2
12.5°	431.0	438.7	447.2	457.8	468.4	480.2	490.8	502.5	516.2	531.5	545.8
15°	405.5	412.9	422.2	431.2	443.4	456.4	470.4	485.9	501.2	518.3	536.1
17.5°	378.2	386.3	396.5	407.0	419.8	435.0	448.8	465.8	482.9	502.8	523.8
20°	360.5	368.8	380.8	392.3	404.1	418.9	435.3	452.7	470.9	491.9	515.3
22.5°	346.4	352.3	364.2	375.9	389.7	404.9	420.9	439.0	458.9	480.7	505.1
25°	325.6	332.5	341.1	353.3	367.6	383.6	399.7	418.9	440.6	462.8	488.9
27.5°	307.0	312.7	321.2	330.8	345.1	361.6	378.8	398.8	421.1	443.7	471.1
30°	293.9	300.2	308.2	318.4	329.7	347.8	365.3	385.0	407.6	430.9	459.1
32.5°	282.5	288.9	295.9	305.5	317.7	333.7	351.8	371.1	394.1	418.2	445.6
35°	266.4	270.8	277.3	286.8	298.8	311.7	330.2	350.5	372.9	397.9	425.4
37.5°	248.0	253.7	260.1	268.4	278.9	292.9	310.1	330.7	351.5	375.3	400.4
40°	237.3	242.6	249.8	255.8	266.9	279.6	295.3	316.8	337.6	360.0	382.9
42.5°	226.4	231.5	237.6	245.1	255.0	267.4	282.0	302.0	324.3	345.4	364.6
45°	209.3	214.7	220.4	227.4	236.6	248.6	263.2	281.4	300.8	320.3	334.8
47.5°	193.0	198.0	203.5	210.6	219.1	230.7	243.7	259.9	278.7	295.2	305.6
50°	181.4	186.0	192.0	198.9	207.3	218.1	230.6	246.5	262.3	277.3	286.8
52.5°	169.9	175.1	181.1	187.1	195.1	205.9	217.5	231.2	246.2	258.4	266.2
55°	152.7	157.6	163.1	169.4	177.2	186.5	198.7	209.6	221.4	231.8	236.4
57.5°	136.1	140.4	145.6	152.1	159.2	167.8	177.5	187.9	196.2	203.6	208.8
60°	125.2	128.9	133.8	139.3	147.0	154.8	163.6	173.3	179.8	186.0	190.9
62.5°	114.1	117.7	122.3	127.3	134.0	141.3	149.7	157.6	163.9	168.1	173.7
65°	97.5	101.0	104.9	110.2	115.5	121.5	129.2	134.9	139.3	144.0	147.4
67.5°	82.0	84.9	88.6	92.8	97.3	103.1	109.0	113.8	116.8	119.6	123.7
70°	71.9	74.2	77.2	80.4	85.3	91.0	95.7	99.4	101.4	104.2	109.3
72.5°	61.5	64.2	67.0	70.2	74.2	79.0	83.1	86.8	88.1	90.3	93.6
75°	48.5	49.9	52.2	54.5	57.3	61.5	65.4	66.3	67.5	69.3	71.6
77.5°	36.7	37.9	38.9	40.4	42.6	45.9	48.0	49.4	49.7	50.4	52.6
80°	29.1	29.8	30.7	31.9	32.8	35.6	36.7	38.1	38.6	39.3	40.4
82.5°	21.4	22.0	22.6	23.6	25.0	26.2	27.3	28.7	28.8	29.3	29.5
85°	12.5	12.7	12.2	12.7	12.9	13.4	14.6	15.7	15.5	15.3	15.9
87.5°	8.9	8.6	8.0	8.1	7.4	7.2	6.7	6.4	6.4	6.3	6.2
90°	22.2	20.8	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	51.7	49.8	47.3	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4
95°	101.9	99.9	97.0	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3
97.5°	160.9	159.0	155.1	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1
100°	201.1	198.5	194.7	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6
102.5°	242.8	240.0	238.1	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2
105°	311.8	310.0	308.3	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8
107.5°	385.9	385.0	383.7	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5
110°	436.7	435.8	435.0	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5



TEST NUMBER: P333653

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.1	487.7	486.6	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4
115°	566.6	566.9	566.3	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1
117.5°	643.9	643.7	643.1	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0
120°	696.6	696.6	696.3	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8
122.5°	748.2	748.5	747.7	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8
125°	824.4	825.0	824.7	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9
127.5°	899.4	899.7	899.4	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7
130°	949.2	949.5	948.9	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4
132.5°	997.0	997.3	997.4	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1
135°	1070.2	1070.2	1069.9	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1
137.5°	1141.3	1141.0	1140.4	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6
140°	1186.2	1185.6	1184.7	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2
142.5°	1230.6	1230.2	1229.1	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9
145°	1294.6	1294.6	1293.7	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5
147.5°	1352.9	1352.2	1351.5	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2
150°	1390.6	1390.6	1389.4	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7
152.5°	1424.5	1423.8	1423.3	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9
155°	1473.4	1472.3	1472.0	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1516.2	1515.1	1514.8	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6
160°	1542.2	1541.0	1540.7	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6
162.5°	1566.3	1564.9	1564.8	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5
165°	1599.3	1598.1	1597.8	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4
167.5°	1622.9	1621.2	1621.2	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4
170°	1637.5	1635.7	1635.7	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9
172.5°	1647.8	1646.1	1646.1	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3
175°	1659.5	1657.8	1657.8	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0
177.5°	1665.1	1663.7	1664.0	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333653

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	565.6	567.3	569.7	572.5	574.7	577.1	578.4	578.4	579.5	581.9	585.1
5°	567.3	573.3	579.0	586.4	592.2	598.9	604.0	608.9	613.2	618.8	624.6
7.5°	566.8	576.8	587.2	598.8	611.7	621.9	632.4	640.6	648.7	659.4	667.7
10°	565.0	577.9	592.0	606.8	623.0	637.0	649.8	661.3	672.4	684.0	694.4
12.5°	561.6	578.1	595.3	613.1	633.5	649.6	666.0	678.3	691.3	703.9	716.7
15°	556.6	576.0	596.8	621.6	646.5	664.5	680.7	696.7	708.7	723.0	735.3
17.5°	546.3	571.3	597.5	624.5	648.5	669.4	686.4	701.6	714.4	730.1	746.8
20°	540.2	567.3	594.5	623.4	646.3	667.8	684.2	699.9	715.8	736.4	756.7
22.5°	531.7	560.6	589.5	616.9	641.1	661.9	678.8	698.0	719.0	742.3	766.9
25°	518.3	548.1	576.7	602.8	626.4	647.7	670.8	696.7	722.1	752.8	788.2
27.5°	501.2	530.0	555.5	583.1	606.5	633.6	662.4	690.5	727.1	769.4	813.5
30°	488.5	515.7	540.0	566.1	592.7	622.5	654.8	687.9	731.6	781.2	833.7
32.5°	473.7	498.4	522.4	547.6	578.3	611.0	645.4	685.8	738.0	794.5	848.8
35°	448.0	470.2	493.6	521.5	554.1	589.7	633.6	682.8	745.9	806.6	855.4
37.5°	421.1	438.7	462.1	491.6	527.1	568.2	618.1	677.9	742.6	797.2	817.9
40°	400.4	416.8	441.6	472.5	507.7	552.7	608.6	670.1	735.3	773.1	771.5
42.5°	379.9	396.5	420.3	451.5	488.1	538.5	596.1	659.9	714.9	729.3	699.3
45°	348.4	363.9	387.3	418.7	458.0	510.9	571.4	632.7	667.8	644.4	584.8
47.5°	316.4	331.4	353.1	383.8	426.7	482.1	539.4	589.6	594.5	544.4	472.9
50°	295.3	309.4	330.0	362.8	404.4	458.4	513.7	553.2	540.9	479.7	406.0
52.5°	274.8	288.3	307.6	338.6	381.1	434.0	483.3	514.4	486.0	420.9	354.6
55°	244.5	257.4	276.8	305.2	343.8	392.3	435.6	446.9	405.3	339.7	286.1
57.5°	215.7	225.2	244.3	269.5	306.7	349.5	380.4	378.4	332.5	273.4	234.9
60°	196.6	205.2	223.4	246.5	281.9	320.3	342.0	332.7	286.3	237.5	200.6
62.5°	178.9	186.9	202.2	223.4	253.8	287.2	303.0	290.2	246.4	203.5	174.1
65°	152.0	157.8	170.1	189.7	213.5	236.6	250.7	232.0	193.2	160.8	138.6
67.5°	126.9	131.9	142.8	156.9	173.3	189.3	195.0	177.5	147.3	125.5	109.8
70°	110.7	115.3	122.7	135.9	146.7	158.0	160.8	145.1	119.9	103.3	93.6
72.5°	95.2	99.4	105.9	115.2	122.7	129.2	130.5	115.9	96.6	85.2	77.7
75°	72.6	76.3	80.4	83.9	88.7	89.9	89.4	78.1	67.7	60.1	55.9
77.5°	53.3	54.9	57.4	58.8	59.0	58.9	56.6	49.4	44.0	40.9	39.2
80°	41.1	42.3	43.0	43.4	43.7	41.4	38.8	34.4	32.6	30.7	28.7
82.5°	29.9	30.6	31.3	31.4	30.2	28.2	25.9	23.7	22.4	21.5	20.7
85°	16.2	16.4	16.2	15.0	13.4	12.7	12.2	11.8	11.6	11.3	11.3
87.5°	6.5	6.4	5.9	6.5	7.0	7.2	7.6	7.8	8.0	8.3	8.6
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6
92.5°	33.0	34.6	36.2	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6
95°	84.9	85.5	86.0	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9
97.5°	140.3	140.6	140.8	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8
100°	181.6	181.6	181.6	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7
102.5°	227.4	228.5	229.7	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6
105°	297.2	298.6	300.1	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5
107.5°	374.0	375.4	376.9	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7
110°	426.9	428.4	429.8	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.2	480.9	481.7	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5
115°	560.2	561.4	562.5	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3
117.5°	639.5	640.0	640.5	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1
120°	690.2	691.7	693.1	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6
122.5°	743.3	743.8	744.3	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0
125°	817.6	819.4	821.1	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8
127.5°	894.7	895.7	896.7	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1
130°	941.9	943.3	944.8	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9
132.5°	989.5	991.9	994.2	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7
135°	1062.8	1064.5	1066.3	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2
137.5°	1132.3	1134.0	1135.6	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7
140°	1176.7	1178.1	1179.6	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8
142.5°	1221.1	1222.3	1223.5	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9
145°	1286.6	1287.8	1288.9	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6
147.5°	1346.8	1347.5	1348.1	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5
150°	1386.4	1386.1	1385.8	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6
152.5°	1420.3	1420.7	1421.1	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1
155°	1471.0	1471.0	1471.0	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6
157.5°	1516.0	1515.4	1514.7	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4
160°	1542.8	1541.9	1541.0	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3
162.5°	1566.9	1566.2	1565.6	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7
165°	1598.8	1598.2	1597.7	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4
167.5°	1625.2	1624.1	1622.9	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7
170°	1639.8	1638.6	1637.5	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2
172.5°	1650.1	1649.0	1647.8	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6
175°	1661.8	1660.7	1659.5	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2
177.5°	1668.0	1667.1	1666.2	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	587.5	587.5	590.6	590.4	592.5	591.7	592.1
5°	631.5	635.4	638.9	641.2	644.7	645.6	645.1
7.5°	677.2	685.9	690.1	696.0	697.0	700.1	699.8
10°	705.4	714.0	720.5	725.5	728.1	731.3	731.6
12.5°	727.6	734.9	740.6	745.3	748.4	749.4	750.0
15°	745.0	753.0	759.7	766.4	770.4	773.4	775.0
17.5°	762.4	774.9	786.7	795.8	801.3	805.9	805.9
20°	775.9	790.2	805.0	815.4	826.1	830.7	831.4
22.5°	790.3	812.2	831.3	847.4	861.4	866.2	868.0
25°	820.3	848.9	878.3	900.9	917.1	926.6	928.0
27.5°	856.5	895.2	926.1	947.0	960.4	967.5	969.0
30°	882.0	917.8	945.5	961.2	967.5	968.4	964.9
32.5°	893.4	920.2	931.3	930.4	918.1	910.0	906.9
35°	879.4	873.9	846.9	814.5	789.8	774.1	769.9
37.5°	800.3	752.5	702.8	653.9	627.9	614.6	591.9
40°	722.3	654.1	602.4	561.3	531.9	508.3	502.8
42.5°	634.3	563.9	512.2	477.0	453.5	437.4	430.3
45°	509.7	449.2	406.4	379.4	361.4	349.6	344.3
47.5°	407.7	360.8	329.7	309.7	295.9	285.7	282.8
50°	351.7	314.2	287.9	271.0	260.6	252.8	249.6
52.5°	305.5	275.2	255.0	241.1	231.3	226.4	223.7
55°	252.1	226.0	211.4	200.3	194.8	190.9	189.0
57.5°	206.2	187.3	176.7	169.0	163.9	161.4	160.5
60°	180.5	165.7	156.0	150.0	146.5	143.3	142.3
62.5°	157.7	146.1	138.6	133.3	129.9	128.5	127.9
65°	127.1	119.5	113.9	110.7	107.9	107.4	107.2
67.5°	101.0	96.5	93.6	90.3	89.3	87.7	87.3
70°	86.4	83.4	79.9	78.8	77.6	76.0	76.3
72.5°	73.3	70.3	67.9	66.4	66.0	65.3	65.9
75°	53.6	52.7	51.8	50.6	50.1	50.1	49.9
77.5°	38.3	37.5	36.5	35.8	35.6	34.7	35.0
80°	27.7	26.6	26.1	26.3	25.6	25.4	25.4
82.5°	20.5	20.1	19.6	19.7	19.5	19.3	19.5
85°	11.3	11.1	11.1	10.9	10.9	10.6	10.6
87.5°	9.1	9.6	9.4	9.4	9.6	9.9	10.3
90°	25.1	26.5	27.7	28.5	29.4	30.3	31.1
92.5°	55.5	57.4	58.7	59.3	60.0	60.6	61.2
95°	105.9	108.0	109.2	109.8	110.4	111.0	111.6
97.5°	164.7	166.6	167.8	168.1	168.5	168.8	169.2
100°	206.2	208.8	210.4	211.0	211.6	212.2	212.7
102.5°	248.4	251.3	253.1	253.9	254.7	255.5	256.3
105°	315.2	316.9	318.2	319.1	320.0	320.8	321.7
107.5°	387.6	388.5	388.9	388.8	388.7	388.7	388.6
110°	438.4	439.3	439.6	439.3	439.0	438.7	438.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	488.9	489.3	489.3	488.8	488.3	487.7	487.2
115°	566.0	565.7	565.4	565.1	564.8	564.6	564.3
117.5°	644.3	644.6	644.1	643.0	641.8	640.7	639.5
120°	696.6	696.6	696.0	694.8	693.7	692.5	691.4
122.5°	747.8	747.5	747.0	746.0	745.1	744.2	743.3
125°	823.3	822.7	822.3	822.0	821.7	821.4	821.1
127.5°	898.8	898.6	898.1	897.6	897.0	896.4	895.8
130°	948.7	948.4	947.9	947.4	946.8	946.2	945.6
132.5°	996.4	996.1	995.6	994.8	993.9	993.1	992.3
135°	1070.2	1070.2	1069.6	1068.4	1067.3	1066.1	1065.0
137.5°	1142.0	1142.4	1141.8	1140.4	1138.9	1137.5	1136.1
140°	1187.3	1187.9	1187.5	1186.0	1184.6	1183.2	1181.7
142.5°	1231.3	1231.6	1231.1	1229.6	1228.2	1226.7	1225.3
145°	1294.6	1294.6	1294.1	1293.3	1292.4	1291.5	1290.7
147.5°	1354.2	1354.9	1354.3	1352.3	1350.4	1348.4	1346.5
150°	1390.6	1390.6	1390.3	1389.7	1389.1	1388.5	1388.0
152.5°	1425.8	1426.5	1426.4	1425.3	1424.3	1423.2	1422.2
155°	1475.7	1476.9	1476.7	1475.3	1473.9	1472.4	1471.0
157.5°	1518.5	1519.7	1519.3	1517.4	1515.5	1513.6	1511.7
160°	1544.5	1545.6	1545.5	1544.1	1542.6	1541.2	1539.7
162.5°	1569.0	1570.4	1570.3	1568.6	1566.9	1565.3	1563.6
165°	1601.6	1602.7	1602.4	1600.7	1599.0	1597.2	1595.5
167.5°	1626.4	1628.1	1628.1	1626.3	1624.5	1622.7	1620.9
170°	1640.9	1642.6	1642.5	1640.5	1638.5	1636.4	1634.4
172.5°	1651.3	1653.0	1653.0	1651.2	1649.4	1647.6	1645.8
175°	1663.0	1664.7	1664.5	1662.5	1660.5	1658.5	1656.5
177.5°	1667.9	1669.3	1669.2	1667.5	1665.9	1664.3	1662.7
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9

(END OF REPORT)