

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: P333365-930

Luminaire Tested: **S125DIW-S375D1560U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333365-930  
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: S125DIW-S375D1560U930-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5664.9 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

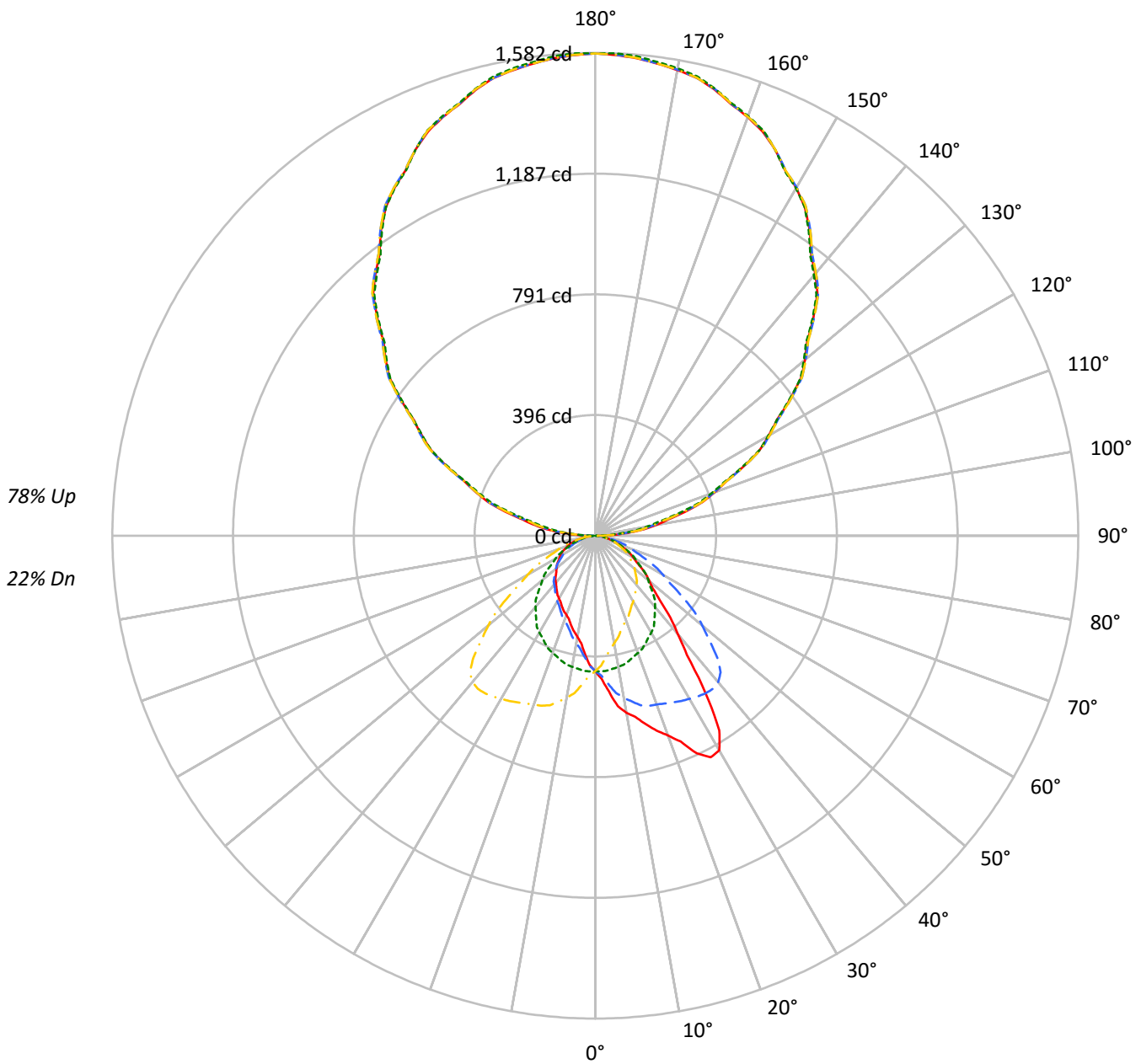
Input Watts (W): 53.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89	89	89	89	68	68	68	48	48	48	31	31	31	22
1	92	88	84	81	81	78	75	72	59	57	56	43	41	40	27	26	26	19
2	83	76	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	21	20	19	14
4	70	59	52	46	61	53	47	42	41	36	33	30	27	24	19	17	16	12
5	64	53	45	39	56	47	41	36	36	32	28	26	23	21	17	15	14	10
6	59	47	39	34	52	42	36	31	33	28	24	24	21	18	15	14	12	9
7	54	42	35	30	48	38	31	27	29	25	21	22	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6

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

	0°	90°	180°	270°
0°	2866	2866	2866	2866
5°	3319	2877	2519	2877
10°	3862	2861	2207	2861
15°	4275	2841	2035	2841
20°	4786	2808	1898	2808
25°	5606	2770	1831	2770
30°	6055	2732	1773	2732
35°	4978	2663	1735	2663
40°	3538	2566	1693	2566
45°	2719	2437	1669	2437
50°	2321	2275	1666	2275
55°	2066	2117	1680	2117
60°	1864	1944	1723	1944
65°	1722	1771	1768	1771
70°	1565	1590	1794	1590
75°	1382	1402	1777	1402
80°	1164	1142	1625	1142
85°	926	823	1312	823



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.7	0.8
10°-20°	127.2	2.2
20°-30°	206.6	3.6
30°-40°	252.0	4.4
40°-50°	229.2	4.0
50°-60°	182.6	3.2
60°-70°	127.2	2.2
70°-80°	67.8	1.2
80°-90°	20.6	0.4
90°-100°	105.8	1.9
100°-110°	312.5	5.5
110°-120°	529.3	9.3
120°-130°	696.6	12.3
130°-140°	780.6	13.8
140°-150°	765.0	13.5
150°-160°	642.6	11.3
160°-170°	427.1	7.5
170°-180°	149.5	2.6
0°-30°	376.5	6.6
0°-40°	628.5	11.1
0°-60°	1040.3	18.4
0°-90°	1255.9	22.2
90°-120°	947.6	16.7
90°-150°	3189.8	56.3
90°-180°	4409.0	77.8
0°-180°	5664.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	444	444	444	444	444	
5°	512	444	388	444	512	52
15°	639	425	304	425	639	183
25°	787	389	257	389	787	359
35°	631	338	220	338	631	386
45°	298	267	183	267	298	238
55°	184	188	149	188	184	165
65°	113	116	116	116	113	112
75°	55	56	71	56	55	60
85°	12	11	18	11	12	15
90°	30	1	30	1	30	17
95°	106	80	106	80	106	108
105°	305	280	305	280	305	323
115°	535	530	535	530	535	529
125°	778	773	778	773	778	695
135°	1010	1006	1010	1006	1010	779
145°	1223	1218	1223	1218	1223	764
155°	1394	1394	1394	1394	1394	642
165°	1512	1516	1512	1516	1512	426
175°	1570	1576	1570	1576	1570	149
180°	1580	1580	1580	1580	1580	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	469.4	468.9	468.2	467.1	468.0	465.4	464.2	462.1	459.5	458.6	457.5
5°	512.0	513.0	514.0	510.0	510.4	507.7	501.7	496.8	492.8	487.7	484.1
7.5°	563.3	561.1	560.8	558.3	553.9	550.3	544.0	536.0	528.2	519.3	511.9
10°	588.9	589.1	587.4	584.4	579.7	576.3	568.0	560.1	550.5	539.2	531.1
12.5°	608.2	609.0	606.8	602.8	600.5	592.9	586.4	577.0	565.6	556.5	544.2
15°	639.4	637.3	635.9	630.7	626.8	618.9	608.5	598.7	586.3	574.8	563.3
17.5°	669.4	671.2	668.3	663.7	651.3	642.1	628.3	614.8	599.3	583.9	570.2
20°	696.3	697.8	693.5	685.3	670.7	661.5	643.2	625.8	608.0	588.2	573.1
22.5°	729.8	728.6	722.7	710.4	697.7	680.6	660.8	639.7	617.3	594.9	574.9
25°	786.7	778.8	775.2	759.9	743.2	718.1	691.0	660.1	632.3	602.7	577.1
27.5°	818.3	815.8	811.8	801.2	783.6	756.8	724.8	687.1	647.8	610.5	576.9
30°	812.0	812.4	812.7	809.3	798.0	777.9	746.0	705.6	658.8	616.8	578.0
32.5°	755.9	762.7	769.3	777.1	780.2	776.3	756.4	719.8	671.7	624.0	577.4
35°	631.4	633.6	654.8	676.0	704.6	726.8	741.7	725.5	685.0	630.1	576.7
37.5°	492.4	502.6	517.3	541.1	582.4	619.5	667.1	688.9	675.9	632.2	575.4
40°	419.7	429.2	438.8	463.1	497.9	542.7	596.8	642.9	653.7	625.8	570.8
42.5°	363.7	371.1	381.8	400.1	429.2	468.9	520.6	580.9	618.0	607.5	561.3
45°	297.7	302.4	310.6	325.1	346.3	377.3	422.9	488.9	546.3	565.3	538.8
47.5°	254.8	254.8	261.2	271.2	286.4	312.8	346.6	398.2	459.6	505.0	502.9
50°	231.0	230.0	235.1	243.8	255.8	273.4	305.6	346.8	405.8	457.2	471.6
52.5°	210.4	210.6	213.7	220.1	230.2	245.2	269.2	306.5	356.8	409.6	436.6
55°	183.5	182.7	186.3	190.6	198.0	207.8	225.1	253.6	294.5	346.4	381.5
57.5°	158.7	160.9	162.2	165.3	171.4	178.0	192.6	213.4	245.9	290.5	327.5
60°	144.3	146.3	147.5	150.5	155.4	161.1	172.4	189.3	216.6	255.1	291.8
62.5°	131.3	133.0	133.4	136.1	140.1	145.5	154.4	168.7	190.3	223.9	259.8
65°	112.7	112.7	113.4	116.3	118.1	123.0	129.8	140.1	157.5	183.7	214.4
67.5°	94.7	95.6	95.4	96.6	98.3	102.2	107.0	115.5	128.4	147.5	172.1
70°	82.9	83.6	83.5	84.4	86.3	88.7	92.7	100.8	110.0	126.4	147.5
72.5°	72.3	72.6	72.2	73.4	74.5	76.6	81.1	85.4	94.0	107.9	125.2
75°	55.4	55.8	56.2	56.9	58.0	59.2	61.4	65.7	71.4	81.8	92.9
77.5°	41.5	40.8	41.7	41.6	42.2	43.1	45.1	47.4	52.0	58.6	67.2
80°	31.3	31.5	31.5	31.6	32.6	33.2	34.8	36.5	40.1	45.0	51.0
82.5°	22.8	23.3	23.0	23.4	24.1	24.5	25.5	26.9	28.9	32.9	37.2
85°	12.5	11.5	11.9	12.2	12.2	12.5	13.2	13.8	14.9	16.4	18.1
87.5°	9.5	9.6	9.6	9.5	9.5	9.2	9.5	9.3	9.5	9.7	9.9
90°	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4	21.0	19.6	17.8
92.5°	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8	49.0	47.2	44.8
95°	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5	96.6	94.7	92.0
97.5°	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3	152.5	150.7	147.0
100°	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1	190.6	188.1	184.6
102.5°	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8	230.2	227.5	225.7
105°	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2	295.5	293.9	292.2
107.5°	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6	365.7	364.9	363.7
110°	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8	413.9	413.1	412.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	461.9	462.4	462.8	463.3	463.8	463.8	463.5	463.1	462.7	462.4	461.3
115°	534.9	535.2	535.4	535.7	536.0	536.2	536.5	536.8	537.0	537.4	536.8
117.5°	606.2	607.3	608.4	609.4	610.6	611.0	610.8	610.6	610.3	610.2	609.6
120°	655.4	656.5	657.5	658.7	659.7	660.3	660.3	660.3	660.3	660.3	660.0
122.5°	704.6	705.4	706.3	707.2	708.1	708.6	708.8	709.1	709.2	709.5	708.7
125°	778.4	778.6	778.9	779.2	779.4	779.8	780.4	781.0	781.5	782.0	781.8
127.5°	849.1	849.7	850.3	850.8	851.3	851.7	852.1	852.3	852.6	852.9	852.6
130°	896.4	896.9	897.5	898.1	898.5	898.9	899.3	899.5	899.8	900.1	899.5
132.5°	940.6	941.4	942.2	943.0	943.7	944.2	944.5	944.8	945.0	945.3	945.4
135°	1009.5	1010.6	1011.7	1012.8	1013.9	1014.4	1014.4	1014.4	1014.4	1014.4	1014.2
137.5°	1076.8	1078.2	1079.6	1081.0	1082.4	1082.9	1082.6	1082.2	1081.9	1081.6	1080.9
140°	1120.1	1121.5	1122.9	1124.3	1125.6	1126.0	1125.5	1124.9	1124.4	1123.9	1123.1
142.5°	1161.5	1162.9	1164.2	1165.6	1166.9	1167.5	1167.1	1166.8	1166.4	1166.1	1165.1
145°	1223.4	1224.3	1225.1	1225.9	1226.7	1227.1	1227.1	1227.1	1227.1	1227.1	1226.3
147.5°	1276.4	1278.2	1280.0	1281.9	1283.8	1284.3	1283.7	1283.0	1282.4	1281.7	1281.1
150°	1315.6	1316.2	1316.8	1317.3	1317.8	1318.2	1318.2	1318.2	1318.2	1318.2	1317.0
152.5°	1348.2	1349.2	1350.1	1351.1	1352.1	1352.3	1351.6	1351.0	1350.3	1349.6	1349.2
155°	1394.4	1395.7	1397.1	1398.5	1399.9	1400.0	1398.9	1397.7	1396.7	1395.6	1395.3
157.5°	1433.0	1434.8	1436.6	1438.4	1440.2	1440.6	1439.5	1438.4	1437.3	1436.1	1435.9
160°	1459.5	1460.9	1462.2	1463.6	1465.0	1465.2	1464.0	1463.0	1461.8	1460.8	1460.5
162.5°	1482.1	1483.8	1485.3	1486.9	1488.5	1488.7	1487.4	1486.0	1484.7	1483.4	1483.4
165°	1512.4	1514.1	1515.7	1517.4	1519.0	1519.2	1518.2	1517.0	1516.0	1514.9	1514.6
167.5°	1536.5	1538.2	1539.9	1541.6	1543.3	1543.3	1541.6	1540.0	1538.4	1536.8	1536.8
170°	1549.3	1551.2	1553.1	1555.0	1557.0	1557.1	1555.4	1553.8	1552.2	1550.5	1550.5
172.5°	1560.2	1561.8	1563.5	1565.2	1566.9	1566.9	1565.3	1563.7	1562.0	1560.4	1560.4
175°	1570.2	1572.1	1574.0	1576.0	1577.8	1578.0	1576.4	1574.8	1573.0	1571.4	1571.4
177.5°	1576.1	1577.6	1579.2	1580.7	1582.3	1582.3	1581.0	1579.7	1578.4	1577.1	1577.3
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	456.6	455.6	454.4	452.2	449.7	448.3	446.3	444.9	442.2	439.9	437.5
5°	479.8	474.9	470.4	464.6	458.2	454.0	449.1	443.7	438.0	432.2	425.7
7.5°	503.9	495.1	485.8	475.6	465.7	456.6	447.8	439.4	431.4	421.7	413.5
10°	519.9	509.0	497.3	483.6	470.2	458.5	446.7	436.3	425.7	414.5	404.5
12.5°	536.1	521.5	505.0	489.9	473.9	459.7	445.8	432.5	419.3	406.8	395.1
15°	547.5	534.7	519.4	497.9	479.8	460.4	442.0	424.9	408.8	394.8	380.2
17.5°	555.0	538.4	522.0	501.5	477.8	456.1	435.1	415.5	397.5	379.8	365.7
20°	556.3	539.3	522.2	502.1	477.8	452.9	431.9	408.5	389.1	370.7	353.4
22.5°	555.9	536.6	518.0	497.3	473.5	450.6	425.3	401.4	380.3	362.3	344.2
25°	551.6	531.1	507.7	486.8	463.4	439.1	413.5	388.7	367.2	346.7	328.7
27.5°	548.0	521.5	495.0	470.6	448.0	425.7	401.2	375.8	352.0	331.2	314.3
30°	543.7	514.5	484.7	459.3	436.1	414.5	391.3	366.4	341.5	321.2	303.1
32.5°	539.8	505.7	474.3	446.6	422.1	401.0	379.7	356.0	331.6	311.0	292.9
35°	532.2	492.8	456.8	425.6	399.4	377.7	359.8	337.8	315.4	295.4	278.1
37.5°	522.6	475.9	437.2	404.5	375.8	352.9	336.3	319.4	297.8	278.6	262.9
40°	515.0	463.8	422.9	389.4	359.6	335.9	320.4	304.4	286.6	268.6	252.1
42.5°	505.6	453.0	408.5	372.3	342.9	319.8	303.5	290.0	274.2	257.5	242.1
45°	488.1	433.3	385.1	346.3	316.5	293.7	277.0	266.8	254.9	239.0	226.1
47.5°	462.4	409.7	359.8	319.8	289.0	267.9	252.2	242.4	234.1	222.3	210.5
50°	439.7	392.1	341.5	301.8	271.1	249.8	235.3	226.4	219.3	210.3	200.2
52.5°	414.3	369.9	323.6	284.3	253.9	232.9	218.7	210.9	205.0	198.5	188.7
55°	373.7	336.1	293.1	255.8	227.8	207.2	194.8	188.0	183.1	178.2	172.2
57.5°	329.2	299.7	261.7	227.6	201.7	183.0	171.5	164.9	161.0	158.5	155.0
60°	297.8	272.6	239.9	208.7	183.5	166.9	155.6	150.5	147.3	145.3	142.6
62.5°	268.7	248.0	217.7	189.3	167.2	151.6	141.5	136.5	133.5	132.4	130.3
65°	225.9	209.9	184.8	161.3	142.4	129.1	120.6	115.9	114.0	112.8	113.0
67.5°	183.6	173.9	153.8	133.7	118.6	107.5	100.6	97.0	96.0	94.6	94.6
70°	157.8	150.5	133.5	116.0	102.6	94.0	88.0	84.2	83.2	82.5	82.3
72.5°	135.1	128.7	114.0	100.0	87.9	80.3	75.3	73.1	71.5	71.1	71.0
75°	101.5	98.0	86.3	75.2	66.9	61.6	58.2	56.2	55.0	54.8	55.0
77.5°	72.2	69.1	61.6	53.7	48.5	44.5	41.7	40.9	39.7	39.7	39.5
80°	54.2	52.2	47.5	41.3	36.9	33.5	32.0	30.7	30.3	29.8	30.3
82.5°	39.3	37.1	33.9	29.9	26.3	24.4	22.8	22.4	22.2	21.9	22.0
85°	19.4	19.6	17.7	14.7	13.2	12.1	11.1	11.1	10.9	10.8	10.9
87.5°	9.8	9.1	8.2	7.3	6.1	5.2	4.6	4.3	4.3	4.6	5.1
90°	15.8	13.9	12.0	9.9	7.8	5.6	3.4	1.2	3.4	5.6	7.8
92.5°	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8	31.3	32.9	34.3
95°	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9	80.5	81.0	81.5
97.5°	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8	133.0	133.2	133.5
100°	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1
102.5°	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4	215.6	216.6	217.7
105°	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4	281.7	283.1	284.5
107.5°	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1	354.5	355.9	357.3
110°	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3	404.7	406.0	407.4





TEST NUMBER: P333365-930

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	460.2	459.2	458.2	457.3	456.6	455.9	455.2	454.4	455.2	455.9	456.6
115°	536.2	535.7	535.2	534.3	533.2	532.1	531.1	529.9	531.1	532.1	533.2
117.5°	609.1	608.6	608.1	607.6	607.2	606.7	606.2	605.7	606.2	606.7	607.2
120°	659.7	659.5	659.2	658.4	657.0	655.7	654.3	652.9	654.3	655.7	657.0
122.5°	708.1	707.4	706.6	706.0	705.6	705.1	704.6	704.1	704.6	705.1	705.6
125°	781.5	781.2	781.0	780.0	778.4	776.7	775.0	773.4	775.0	776.7	778.4
127.5°	852.2	851.9	851.6	850.9	849.9	849.1	848.2	847.2	848.2	849.1	849.9
130°	898.9	898.5	897.9	896.9	895.5	894.2	892.8	891.4	892.8	894.2	895.5
132.5°	945.5	945.7	945.7	944.7	942.5	940.2	938.0	935.7	938.0	940.2	942.5
135°	1013.9	1013.6	1013.3	1012.4	1010.7	1009.1	1007.5	1005.8	1007.5	1009.1	1010.7
137.5°	1080.4	1079.8	1079.1	1078.1	1076.4	1074.9	1073.3	1071.7	1073.3	1074.9	1076.4
140°	1122.3	1121.4	1120.5	1119.5	1118.1	1116.7	1115.4	1114.0	1115.4	1116.7	1118.1
142.5°	1164.1	1163.0	1162.0	1160.9	1159.8	1158.6	1157.5	1156.3	1157.5	1158.6	1159.8
145°	1225.5	1224.7	1223.8	1222.9	1221.8	1220.7	1219.6	1218.5	1219.6	1220.7	1221.8
147.5°	1280.4	1279.8	1279.1	1278.5	1277.9	1277.2	1276.7	1276.1	1276.7	1277.2	1277.9
150°	1316.0	1314.8	1313.8	1313.4	1313.6	1313.9	1314.2	1314.4	1314.2	1313.9	1313.6
152.5°	1348.7	1348.3	1347.9	1347.4	1347.0	1346.7	1346.3	1345.9	1346.3	1346.7	1347.0
155°	1395.1	1394.8	1394.5	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4
157.5°	1435.7	1435.3	1435.1	1435.3	1435.8	1436.5	1437.0	1437.6	1437.0	1436.5	1435.8
160°	1460.2	1460.0	1459.7	1460.0	1460.8	1461.6	1462.4	1463.2	1462.4	1461.6	1460.8
162.5°	1483.3	1483.2	1483.2	1483.4	1484.1	1484.7	1485.2	1485.9	1485.2	1484.7	1484.1
165°	1514.3	1514.1	1513.8	1513.9	1514.5	1515.0	1515.6	1516.1	1515.6	1515.0	1514.5
167.5°	1536.8	1536.8	1536.8	1537.3	1538.4	1539.5	1540.6	1541.6	1540.6	1539.5	1538.4
170°	1550.5	1550.5	1550.5	1551.1	1552.2	1553.2	1554.4	1555.4	1554.4	1553.2	1552.2
172.5°	1560.4	1560.4	1560.4	1560.9	1562.0	1563.1	1564.2	1565.3	1564.2	1563.1	1562.0
175°	1571.4	1571.4	1571.4	1572.0	1573.0	1574.2	1575.2	1576.4	1575.2	1574.2	1573.0
177.5°	1577.5	1577.8	1577.9	1578.5	1579.4	1580.3	1581.1	1582.0	1581.1	1580.3	1579.4
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	436.2	434.5	433.2	430.2	428.4	426.2	424.4	426.4	424.3	425.2	423.8
5°	422.6	417.3	413.5	408.1	403.3	399.0	395.8	395.3	393.7	393.0	390.7
7.5°	406.2	399.6	393.1	386.0	379.9	373.8	369.9	366.6	364.5	361.7	359.7
10°	396.6	387.7	380.2	371.5	363.9	357.3	352.1	349.4	347.0	343.4	342.1
12.5°	384.7	375.5	366.3	357.0	349.8	342.4	337.9	333.9	332.2	328.2	327.8
15°	370.4	356.6	347.6	338.2	328.2	322.1	318.4	314.1	312.2	309.3	307.3
17.5°	353.4	341.0	329.8	320.0	311.4	306.4	301.7	298.7	295.5	293.6	290.2
20°	341.0	329.3	318.0	307.6	301.0	295.2	291.5	288.6	285.2	284.3	280.9
22.5°	330.6	317.7	306.9	298.2	291.0	284.4	280.3	278.3	276.1	273.1	272.5
25°	313.6	300.3	291.1	282.4	276.0	269.9	267.2	264.7	262.4	260.3	259.6
27.5°	299.1	287.1	276.1	268.3	262.7	257.2	254.8	251.8	250.1	248.4	246.4
30°	288.8	276.5	266.9	259.4	253.4	248.5	245.8	243.8	242.3	240.8	239.6
32.5°	278.3	266.9	257.6	250.2	244.2	240.5	238.1	236.7	235.1	233.3	231.8
35°	264.3	251.8	242.8	236.4	231.7	228.9	226.2	224.9	223.1	223.1	221.5
37.5°	248.6	237.8	229.8	224.0	219.8	217.3	214.4	213.5	212.3	211.5	211.0
40°	239.3	229.3	221.8	215.9	211.4	209.3	207.0	205.5	204.8	203.8	203.5
42.5°	229.6	220.0	212.9	207.5	203.5	201.8	199.7	198.6	197.1	195.8	195.6
45°	214.9	205.7	199.1	194.8	191.4	189.3	188.0	185.7	185.0	183.5	183.3
47.5°	201.1	192.2	185.7	182.1	179.2	177.5	175.5	173.2	172.3	171.5	171.5
50°	190.6	182.5	176.5	173.2	170.3	167.9	165.8	164.3	163.7	163.7	164.1
52.5°	180.1	173.2	168.1	164.0	161.3	158.7	156.7	155.8	155.0	155.9	156.5
55°	164.7	157.7	153.9	149.9	147.3	144.3	143.3	143.0	142.4	143.9	144.7
57.5°	148.3	143.4	139.0	135.1	132.7	130.9	129.7	129.5	130.5	131.3	133.7
60°	137.9	132.2	128.3	125.3	122.5	121.3	120.9	120.6	121.3	123.4	126.6
62.5°	126.5	121.9	117.6	115.4	113.2	111.4	111.3	111.5	113.0	115.4	118.6
65°	109.7	105.7	102.9	100.2	98.5	97.4	97.8	98.5	100.2	103.5	107.0
67.5°	92.5	89.8	87.3	85.2	83.6	83.6	84.0	85.1	87.1	90.7	94.0
70°	81.6	78.6	76.5	75.6	74.2	73.5	74.6	76.5	78.2	81.6	84.4
72.5°	70.6	68.0	66.4	65.7	65.1	64.6	65.0	67.0	69.3	72.6	76.0
75°	54.2	53.3	52.2	51.4	50.9	51.3	51.6	53.5	55.4	58.9	62.7
77.5°	39.6	38.6	37.9	37.7	37.4	37.7	38.7	40.1	41.9	44.5	47.4
80°	29.9	29.6	29.2	29.0	29.0	29.2	30.7	31.6	33.3	35.8	38.1
82.5°	21.9	21.6	21.5	21.4	21.6	21.7	22.6	23.8	25.2	27.1	29.0
85°	11.5	11.1	11.7	11.9	11.5	12.1	12.5	13.2	13.8	14.7	15.7
87.5°	5.8	6.4	6.7	7.3	7.6	8.3	8.4	9.3	9.9	10.4	10.5
90°	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4	23.8	25.1	26.3
92.5°	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8	52.6	54.5	55.6
95°	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5	100.4	102.3	103.5
97.5°	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3	156.1	157.9	159.1
100°	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1	195.5	198.0	199.5
102.5°	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8	235.5	238.1	239.9
105°	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2	298.8	300.4	301.7
107.5°	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6	367.4	368.2	368.6
110°	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8	415.6	416.5	416.7



TEST NUMBER: P333365-930

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	457.3	458.2	459.2	460.2	461.3	462.4	462.7	463.1	463.5	463.8	463.8
115°	534.3	535.2	535.7	536.2	536.8	537.4	537.0	536.8	536.5	536.2	536.0
117.5°	607.6	608.1	608.6	609.1	609.6	610.2	610.3	610.6	610.8	611.0	610.6
120°	658.4	659.2	659.5	659.7	660.0	660.3	660.3	660.3	660.3	660.3	659.7
122.5°	706.0	706.6	707.4	708.1	708.7	709.5	709.2	709.1	708.8	708.6	708.1
125°	780.0	781.0	781.2	781.5	781.8	782.0	781.5	781.0	780.4	779.8	779.4
127.5°	850.9	851.6	851.9	852.2	852.6	852.9	852.6	852.3	852.1	851.7	851.3
130°	896.9	897.9	898.5	898.9	899.5	900.1	899.8	899.5	899.3	898.9	898.5
132.5°	944.7	945.7	945.7	945.5	945.4	945.3	945.0	944.8	944.5	944.2	943.7
135°	1012.4	1013.3	1013.6	1013.9	1014.2	1014.4	1014.4	1014.4	1014.4	1014.4	1013.9
137.5°	1078.1	1079.1	1079.8	1080.4	1080.9	1081.6	1081.9	1082.2	1082.6	1082.9	1082.4
140°	1119.5	1120.5	1121.4	1122.3	1123.1	1123.9	1124.4	1124.9	1125.5	1126.0	1125.6
142.5°	1160.9	1162.0	1163.0	1164.1	1165.1	1166.1	1166.4	1166.8	1167.1	1167.5	1166.9
145°	1222.9	1223.8	1224.7	1225.5	1226.3	1227.1	1227.1	1227.1	1227.1	1227.1	1226.7
147.5°	1278.5	1279.1	1279.8	1280.4	1281.1	1281.7	1282.4	1283.0	1283.7	1284.3	1283.8
150°	1313.4	1313.8	1314.8	1316.0	1317.0	1318.2	1318.2	1318.2	1318.2	1318.2	1317.8
152.5°	1347.4	1347.9	1348.3	1348.7	1349.2	1349.6	1350.3	1351.0	1351.6	1352.3	1352.1
155°	1394.4	1394.5	1394.8	1395.1	1395.3	1395.6	1396.7	1397.7	1398.9	1400.0	1399.9
157.5°	1435.3	1435.1	1435.3	1435.7	1435.9	1436.1	1437.3	1438.4	1439.5	1440.6	1440.2
160°	1460.0	1459.7	1460.0	1460.2	1460.5	1460.8	1461.8	1463.0	1464.0	1465.2	1465.0
162.5°	1483.4	1483.2	1483.2	1483.3	1483.4	1483.4	1484.7	1486.0	1487.4	1488.7	1488.5
165°	1513.9	1513.8	1514.1	1514.3	1514.6	1514.9	1516.0	1517.0	1518.2	1519.2	1519.0
167.5°	1537.3	1536.8	1536.8	1536.8	1536.8	1536.8	1538.4	1540.0	1541.6	1543.3	1543.3
170°	1551.1	1550.5	1550.5	1550.5	1550.5	1550.5	1552.2	1553.8	1555.4	1557.1	1557.0
172.5°	1560.9	1560.4	1560.4	1560.4	1560.4	1560.4	1562.0	1563.7	1565.3	1566.9	1566.9
175°	1572.0	1571.4	1571.4	1571.4	1571.4	1571.4	1573.0	1574.8	1576.4	1578.0	1577.8
177.5°	1578.5	1577.9	1577.8	1577.5	1577.3	1577.1	1578.4	1579.7	1581.0	1582.3	1582.3
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	422.9	424.0	423.1	424.3	423.1	424.0	422.9	423.8	425.2	424.3	426.4
5°	389.8	388.1	389.2	388.5	389.2	388.1	389.8	390.7	393.0	393.7	395.3
7.5°	359.2	357.6	355.7	354.8	355.7	357.6	359.2	359.7	361.7	364.5	366.6
10°	340.1	337.9	337.8	336.5	337.8	337.9	340.1	342.1	343.4	347.0	349.4
12.5°	326.0	324.1	322.0	321.4	322.0	324.1	326.0	327.8	328.2	332.2	333.9
15°	306.1	304.6	303.3	304.4	303.3	304.6	306.1	307.3	309.3	312.2	314.1
17.5°	289.6	288.4	288.1	286.7	288.1	288.4	289.6	290.2	293.6	295.5	298.7
20°	279.2	278.3	278.7	276.1	278.7	278.3	279.2	280.9	284.3	285.2	288.6
22.5°	270.9	269.0	268.8	268.3	268.8	269.0	270.9	272.5	273.1	276.1	278.3
25°	257.9	257.0	256.0	257.0	256.0	257.0	257.9	259.6	260.3	262.4	264.7
27.5°	246.5	245.4	245.2	245.3	245.2	245.4	246.5	246.4	248.4	250.1	251.8
30°	239.6	237.7	237.9	237.7	237.9	237.7	239.6	239.6	240.8	242.3	243.8
32.5°	232.1	230.8	230.6	230.2	230.6	230.8	232.1	231.8	233.3	235.1	236.7
35°	220.9	220.9	220.0	220.0	220.0	220.9	220.9	221.5	223.1	223.1	224.9
37.5°	210.5	210.3	209.8	209.9	209.8	210.3	210.5	211.0	211.5	212.3	213.5
40°	202.7	202.5	201.9	200.8	201.9	202.5	202.7	203.5	203.8	204.8	205.5
42.5°	195.2	194.5	194.3	193.9	194.3	194.5	195.2	195.6	195.8	197.1	198.6
45°	183.3	183.3	183.0	182.7	183.0	183.3	183.3	183.3	183.5	185.0	185.7
47.5°	171.8	172.1	172.8	172.7	172.8	172.1	171.8	171.5	171.5	172.3	173.2
50°	164.9	165.0	165.6	165.8	165.6	165.0	164.9	164.1	163.7	163.7	164.3
52.5°	157.2	158.2	159.0	158.8	159.0	158.2	157.2	156.5	155.9	155.0	155.8
55°	146.3	147.7	149.0	149.2	149.0	147.7	146.3	144.7	143.9	142.4	143.0
57.5°	135.7	137.5	138.9	139.4	138.9	137.5	135.7	133.7	131.3	130.5	129.5
60°	128.5	130.9	132.6	133.4	132.6	130.9	128.5	126.6	123.4	121.3	120.6
62.5°	121.6	124.3	126.0	126.1	126.0	124.3	121.6	118.6	115.4	113.0	111.5
65°	110.2	113.0	114.5	115.7	114.5	113.0	110.2	107.0	103.5	100.2	98.5
67.5°	98.0	100.9	102.5	103.4	102.5	100.9	98.0	94.0	90.7	87.1	85.1
70°	89.1	92.0	94.2	95.0	94.2	92.0	89.1	84.4	81.6	78.2	76.5
72.5°	80.4	82.9	84.7	85.6	84.7	82.9	80.4	76.0	72.6	69.3	67.0
75°	65.1	68.6	70.3	71.2	70.3	68.6	65.1	62.7	58.9	55.4	53.5
77.5°	50.2	53.3	54.4	54.9	54.4	53.3	50.2	47.4	44.5	41.9	40.1
80°	40.3	42.2	43.5	43.7	43.5	42.2	40.3	38.1	35.8	33.3	31.6
82.5°	31.0	32.5	32.9	33.4	32.9	32.5	31.0	29.0	27.1	25.2	23.8
85°	17.0	17.7	17.9	17.7	17.9	17.7	17.0	15.7	14.7	13.8	13.2
87.5°	11.0	11.0	11.2	11.7	11.2	11.0	11.0	10.5	10.4	9.9	9.3
90°	27.1	27.9	28.7	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4
92.5°	56.3	56.8	57.4	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8
95°	104.1	104.7	105.2	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5
97.5°	159.4	159.7	160.0	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3
100°	200.0	200.6	201.1	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1
102.5°	240.7	241.4	242.2	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8
105°	302.5	303.3	304.1	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2
107.5°	368.5	368.5	368.4	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6
110°	416.5	416.1	415.9	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8



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CATALOG NUMBER: S125DIW-S375D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	463.3	462.8	462.4	461.9	462.4	462.8	463.3	463.8	463.8	463.5	463.1
115°	535.7	535.4	535.2	534.9	535.2	535.4	535.7	536.0	536.2	536.5	536.8
117.5°	609.4	608.4	607.3	606.2	607.3	608.4	609.4	610.6	611.0	610.8	610.6
120°	658.7	657.5	656.5	655.4	656.5	657.5	658.7	659.7	660.3	660.3	660.3
122.5°	707.2	706.3	705.4	704.6	705.4	706.3	707.2	708.1	708.6	708.8	709.1
125°	779.2	778.9	778.6	778.4	778.6	778.9	779.2	779.4	779.8	780.4	781.0
127.5°	850.8	850.3	849.7	849.1	849.7	850.3	850.8	851.3	851.7	852.1	852.3
130°	898.1	897.5	896.9	896.4	896.9	897.5	898.1	898.5	898.9	899.3	899.5
132.5°	943.0	942.2	941.4	940.6	941.4	942.2	943.0	943.7	944.2	944.5	944.8
135°	1012.8	1011.7	1010.6	1009.5	1010.6	1011.7	1012.8	1013.9	1014.4	1014.4	1014.4
137.5°	1081.0	1079.6	1078.2	1076.8	1078.2	1079.6	1081.0	1082.4	1082.9	1082.6	1082.2
140°	1124.3	1122.9	1121.5	1120.1	1121.5	1122.9	1124.3	1125.6	1126.0	1125.5	1124.9
142.5°	1165.6	1164.2	1162.9	1161.5	1162.9	1164.2	1165.6	1166.9	1167.5	1167.1	1166.8
145°	1225.9	1225.1	1224.3	1223.4	1224.3	1225.1	1225.9	1226.7	1227.1	1227.1	1227.1
147.5°	1281.9	1280.0	1278.2	1276.4	1278.2	1280.0	1281.9	1283.8	1284.3	1283.7	1283.0
150°	1317.3	1316.8	1316.2	1315.6	1316.2	1316.8	1317.3	1317.8	1318.2	1318.2	1318.2
152.5°	1351.1	1350.1	1349.2	1348.2	1349.2	1350.1	1351.1	1352.1	1352.3	1351.6	1351.0
155°	1398.5	1397.1	1395.7	1394.4	1395.7	1397.1	1398.5	1399.9	1400.0	1398.9	1397.7
157.5°	1438.4	1436.6	1434.8	1433.0	1434.8	1436.6	1438.4	1440.2	1440.6	1439.5	1438.4
160°	1463.6	1462.2	1460.9	1459.5	1460.9	1462.2	1463.6	1465.0	1465.2	1464.0	1463.0
162.5°	1486.9	1485.3	1483.8	1482.1	1483.8	1485.3	1486.9	1488.5	1488.7	1487.4	1486.0
165°	1517.4	1515.7	1514.1	1512.4	1514.1	1515.7	1517.4	1519.0	1519.2	1518.2	1517.0
167.5°	1541.6	1539.9	1538.2	1536.5	1538.2	1539.9	1541.6	1543.3	1543.3	1541.6	1540.0
170°	1555.0	1553.1	1551.2	1549.3	1551.2	1553.1	1555.0	1557.0	1557.1	1555.4	1553.8
172.5°	1565.2	1563.5	1561.8	1560.2	1561.8	1563.5	1565.2	1566.9	1566.9	1565.3	1563.7
175°	1576.0	1574.0	1572.1	1570.2	1572.1	1574.0	1576.0	1577.8	1578.0	1576.4	1574.8
177.5°	1580.7	1579.2	1577.6	1576.1	1577.6	1579.2	1580.7	1582.3	1582.3	1581.0	1579.7
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	424.4	426.2	428.4	430.2	433.2	434.5	436.2	437.5	439.9	442.2	444.9
5°	395.8	399.0	403.3	408.1	413.5	417.3	422.6	425.7	432.2	438.0	443.7
7.5°	369.9	373.8	379.9	386.0	393.1	399.6	406.2	413.5	421.7	431.4	439.4
10°	352.1	357.3	363.9	371.5	380.2	387.7	396.6	404.5	414.5	425.7	436.3
12.5°	337.9	342.4	349.8	357.0	366.3	375.5	384.7	395.1	406.8	419.3	432.5
15°	318.4	322.1	328.2	338.2	347.6	356.6	370.4	380.2	394.8	408.8	424.9
17.5°	301.7	306.4	311.4	320.0	329.8	341.0	353.4	365.7	379.8	397.5	415.5
20°	291.5	295.2	301.0	307.6	318.0	329.3	341.0	353.4	370.7	389.1	408.5
22.5°	280.3	284.4	291.0	298.2	306.9	317.7	330.6	344.2	362.3	380.3	401.4
25°	267.2	269.9	276.0	282.4	291.1	300.3	313.6	328.7	346.7	367.2	388.7
27.5°	254.8	257.2	262.7	268.3	276.1	287.1	299.1	314.3	331.2	352.0	375.8
30°	245.8	248.5	253.4	259.4	266.9	276.5	288.8	303.1	321.2	341.5	366.4
32.5°	238.1	240.5	244.2	250.2	257.6	266.9	278.3	292.9	311.0	331.6	356.0
35°	226.2	228.9	231.7	236.4	242.8	251.8	264.3	278.1	295.4	315.4	337.8
37.5°	214.4	217.3	219.8	224.0	229.8	237.8	248.6	262.9	278.6	297.8	319.4
40°	207.0	209.3	211.4	215.9	221.8	229.3	239.3	252.1	268.6	286.6	304.4
42.5°	199.7	201.8	203.5	207.5	212.9	220.0	229.6	242.1	257.5	274.2	290.0
45°	188.0	189.3	191.4	194.8	199.1	205.7	214.9	226.1	239.0	254.9	266.8
47.5°	175.5	177.5	179.2	182.1	185.7	192.2	201.1	210.5	222.3	234.1	242.4
50°	165.8	167.9	170.3	173.2	176.5	182.5	190.6	200.2	210.3	219.3	226.4
52.5°	156.7	158.7	161.3	164.0	168.1	173.2	180.1	188.7	198.5	205.0	210.9
55°	143.3	144.3	147.3	149.9	153.9	157.7	164.7	172.2	178.2	183.1	188.0
57.5°	129.7	130.9	132.7	135.1	139.0	143.4	148.3	155.0	158.5	161.0	164.9
60°	120.9	121.3	122.5	125.3	128.3	132.2	137.9	142.6	145.3	147.3	150.5
62.5°	111.3	111.4	113.2	115.4	117.6	121.9	126.5	130.3	132.4	133.5	136.5
65°	97.8	97.4	98.5	100.2	102.9	105.7	109.7	113.0	112.8	114.0	115.9
67.5°	84.0	83.6	83.6	85.2	87.3	89.8	92.5	94.6	94.6	96.0	97.0
70°	74.6	73.5	74.2	75.6	76.5	78.6	81.6	82.3	82.5	83.2	84.2
72.5°	65.0	64.6	65.1	65.7	66.4	68.0	70.6	71.0	71.1	71.5	73.1
75°	51.6	51.3	50.9	51.4	52.2	53.3	54.2	55.0	54.8	55.0	56.2
77.5°	38.7	37.7	37.4	37.7	37.9	38.6	39.6	39.5	39.7	39.7	40.9
80°	30.7	29.2	29.0	29.0	29.2	29.6	29.9	30.3	29.8	30.3	30.7
82.5°	22.6	21.7	21.6	21.4	21.5	21.6	21.9	22.0	21.9	22.2	22.4
85°	12.5	12.1	11.5	11.9	11.7	11.1	11.5	10.9	10.8	10.9	11.1
87.5°	8.4	8.3	7.6	7.3	6.7	6.4	5.8	5.1	4.6	4.3	4.3
90°	21.0	19.6	17.8	15.8	13.9	12.0	9.9	7.8	5.6	3.4	1.2
92.5°	49.0	47.2	44.8	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8
95°	96.6	94.7	92.0	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9
97.5°	152.5	150.7	147.0	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8
100°	190.6	188.1	184.6	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1
102.5°	230.2	227.5	225.7	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4
105°	295.5	293.9	292.2	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4
107.5°	365.7	364.9	363.7	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1
110°	413.9	413.1	412.3	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	462.7	462.4	461.3	460.2	459.2	458.2	457.3	456.6	455.9	455.2	454.4
115°	537.0	537.4	536.8	536.2	535.7	535.2	534.3	533.2	532.1	531.1	529.9
117.5°	610.3	610.2	609.6	609.1	608.6	608.1	607.6	607.2	606.7	606.2	605.7
120°	660.3	660.3	660.0	659.7	659.5	659.2	658.4	657.0	655.7	654.3	652.9
122.5°	709.2	709.5	708.7	708.1	707.4	706.6	706.0	705.6	705.1	704.6	704.1
125°	781.5	782.0	781.8	781.5	781.2	781.0	780.0	778.4	776.7	775.0	773.4
127.5°	852.6	852.9	852.6	852.2	851.9	851.6	850.9	849.9	849.1	848.2	847.2
130°	899.8	900.1	899.5	898.9	898.5	897.9	896.9	895.5	894.2	892.8	891.4
132.5°	945.0	945.3	945.4	945.5	945.7	945.7	944.7	942.5	940.2	938.0	935.7
135°	1014.4	1014.4	1014.2	1013.9	1013.6	1013.3	1012.4	1010.7	1009.1	1007.5	1005.8
137.5°	1081.9	1081.6	1080.9	1080.4	1079.8	1079.1	1078.1	1076.4	1074.9	1073.3	1071.7
140°	1124.4	1123.9	1123.1	1122.3	1121.4	1120.5	1119.5	1118.1	1116.7	1115.4	1114.0
142.5°	1166.4	1166.1	1165.1	1164.1	1163.0	1162.0	1160.9	1159.8	1158.6	1157.5	1156.3
145°	1227.1	1227.1	1226.3	1225.5	1224.7	1223.8	1222.9	1221.8	1220.7	1219.6	1218.5
147.5°	1282.4	1281.7	1281.1	1280.4	1279.8	1279.1	1278.5	1277.9	1277.2	1276.7	1276.1
150°	1318.2	1318.2	1317.0	1316.0	1314.8	1313.8	1313.4	1313.6	1313.9	1314.2	1314.4
152.5°	1350.3	1349.6	1349.2	1348.7	1348.3	1347.9	1347.4	1347.0	1346.7	1346.3	1345.9
155°	1396.7	1395.6	1395.3	1395.1	1394.8	1394.5	1394.4	1394.4	1394.4	1394.4	1394.4
157.5°	1437.3	1436.1	1435.9	1435.7	1435.3	1435.1	1435.3	1435.8	1436.5	1437.0	1437.6
160°	1461.8	1460.8	1460.5	1460.2	1460.0	1459.7	1460.0	1460.8	1461.6	1462.4	1463.2
162.5°	1484.7	1483.4	1483.4	1483.3	1483.2	1483.2	1483.4	1484.1	1484.7	1485.2	1485.9
165°	1516.0	1514.9	1514.6	1514.3	1514.1	1513.8	1513.9	1514.5	1515.0	1515.6	1516.1
167.5°	1538.4	1536.8	1536.8	1536.8	1536.8	1536.8	1537.3	1538.4	1539.5	1540.6	1541.6
170°	1552.2	1550.5	1550.5	1550.5	1550.5	1550.5	1551.1	1552.2	1553.2	1554.4	1555.4
172.5°	1562.0	1560.4	1560.4	1560.4	1560.4	1560.4	1560.9	1562.0	1563.1	1564.2	1565.3
175°	1573.0	1571.4	1571.4	1571.4	1571.4	1571.4	1572.0	1573.0	1574.2	1575.2	1576.4
177.5°	1578.4	1577.1	1577.3	1577.5	1577.8	1577.9	1578.5	1579.4	1580.3	1581.1	1582.0
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	446.3	448.3	449.7	452.2	454.4	455.6	456.6	457.5	458.6	459.5	462.1
5°	449.1	454.0	458.2	464.6	470.4	474.9	479.8	484.1	487.7	492.8	496.8
7.5°	447.8	456.6	465.7	475.6	485.8	495.1	503.9	511.9	519.3	528.2	536.0
10°	446.7	458.5	470.2	483.6	497.3	509.0	519.9	531.1	539.2	550.5	560.1
12.5°	445.8	459.7	473.9	489.9	505.0	521.5	536.1	544.2	556.5	565.6	577.0
15°	442.0	460.4	479.8	497.9	519.4	534.7	547.5	563.3	574.8	586.3	598.7
17.5°	435.1	456.1	477.8	501.5	522.0	538.4	555.0	570.2	583.9	599.3	614.8
20°	431.9	452.9	477.8	502.1	522.2	539.3	556.3	573.1	588.2	608.0	625.8
22.5°	425.3	450.6	473.5	497.3	518.0	536.6	555.9	574.9	594.9	617.3	639.7
25°	413.5	439.1	463.4	486.8	507.7	531.1	551.6	577.1	602.7	632.3	660.1
27.5°	401.2	425.7	448.0	470.6	495.0	521.5	548.0	576.9	610.5	647.8	687.1
30°	391.3	414.5	436.1	459.3	484.7	514.5	543.7	578.0	616.8	658.8	705.6
32.5°	379.7	401.0	422.1	446.6	474.3	505.7	539.8	577.4	624.0	671.7	719.8
35°	359.8	377.7	399.4	425.6	456.8	492.8	532.2	576.7	630.1	685.0	725.5
37.5°	336.3	352.9	375.8	404.5	437.2	475.9	522.6	575.4	632.2	675.9	688.9
40°	320.4	335.9	359.6	389.4	422.9	463.8	515.0	570.8	625.8	653.7	642.9
42.5°	303.5	319.8	342.9	372.3	408.5	453.0	505.6	561.3	607.5	618.0	580.9
45°	277.0	293.7	316.5	346.3	385.1	433.3	488.1	538.8	565.3	546.3	488.9
47.5°	252.2	267.9	289.0	319.8	359.8	409.7	462.4	502.9	505.0	459.6	398.2
50°	235.3	249.8	271.1	301.8	341.5	392.1	439.7	471.6	457.2	405.8	346.8
52.5°	218.7	232.9	253.9	284.3	323.6	369.9	414.3	436.6	409.6	356.8	306.5
55°	194.8	207.2	227.8	255.8	293.1	336.1	373.7	381.5	346.4	294.5	253.6
57.5°	171.5	183.0	201.7	227.6	261.7	299.7	329.2	327.5	290.5	245.9	213.4
60°	155.6	166.9	183.5	208.7	239.9	272.6	297.8	291.8	255.1	216.6	189.3
62.5°	141.5	151.6	167.2	189.3	217.7	248.0	268.7	259.8	223.9	190.3	168.7
65°	120.6	129.1	142.4	161.3	184.8	209.9	225.9	214.4	183.7	157.5	140.1
67.5°	100.6	107.5	118.6	133.7	153.8	173.9	183.6	172.1	147.5	128.4	115.5
70°	88.0	94.0	102.6	116.0	133.5	150.5	157.8	147.5	126.4	110.0	100.8
72.5°	75.3	80.3	87.9	100.0	114.0	128.7	135.1	125.2	107.9	94.0	85.4
75°	58.2	61.6	66.9	75.2	86.3	98.0	101.5	92.9	81.8	71.4	65.7
77.5°	41.7	44.5	48.5	53.7	61.6	69.1	72.2	67.2	58.6	52.0	47.4
80°	32.0	33.5	36.9	41.3	47.5	52.2	54.2	51.0	45.0	40.1	36.5
82.5°	22.8	24.4	26.3	29.9	33.9	37.1	39.3	37.2	32.9	28.9	26.9
85°	11.1	12.1	13.2	14.7	17.7	19.6	19.4	18.1	16.4	14.9	13.8
87.5°	4.6	5.2	6.1	7.3	8.2	9.1	9.8	9.9	9.7	9.5	9.3
90°	3.4	5.6	7.8	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4
92.5°	31.3	32.9	34.3	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8
95°	80.5	81.0	81.5	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5
97.5°	133.0	133.2	133.5	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3
100°	172.1	172.1	172.1	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1
102.5°	215.6	216.6	217.7	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8
105°	281.7	283.1	284.5	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2
107.5°	354.5	355.9	357.3	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6
110°	404.7	406.0	407.4	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.2	455.9	456.6	457.3	458.2	459.2	460.2	461.3	462.4	462.7	463.1
115°	531.1	532.1	533.2	534.3	535.2	535.7	536.2	536.8	537.4	537.0	536.8
117.5°	606.2	606.7	607.2	607.6	608.1	608.6	609.1	609.6	610.2	610.3	610.6
120°	654.3	655.7	657.0	658.4	659.2	659.5	659.7	660.0	660.3	660.3	660.3
122.5°	704.6	705.1	705.6	706.0	706.6	707.4	708.1	708.7	709.5	709.2	709.1
125°	775.0	776.7	778.4	780.0	781.0	781.2	781.5	781.8	782.0	781.5	781.0
127.5°	848.2	849.1	849.9	850.9	851.6	851.9	852.2	852.6	852.9	852.6	852.3
130°	892.8	894.2	895.5	896.9	897.9	898.5	898.9	899.5	900.1	899.8	899.5
132.5°	938.0	940.2	942.5	944.7	945.7	945.7	945.5	945.4	945.3	945.0	944.8
135°	1007.5	1009.1	1010.7	1012.4	1013.3	1013.6	1013.9	1014.2	1014.4	1014.4	1014.4
137.5°	1073.3	1074.9	1076.4	1078.1	1079.1	1079.8	1080.4	1080.9	1081.6	1081.9	1082.2
140°	1115.4	1116.7	1118.1	1119.5	1120.5	1121.4	1122.3	1123.1	1123.9	1124.4	1124.9
142.5°	1157.5	1158.6	1159.8	1160.9	1162.0	1163.0	1164.1	1165.1	1166.1	1166.4	1166.8
145°	1219.6	1220.7	1221.8	1222.9	1223.8	1224.7	1225.5	1226.3	1227.1	1227.1	1227.1
147.5°	1276.7	1277.2	1277.9	1278.5	1279.1	1279.8	1280.4	1281.1	1281.7	1282.4	1283.0
150°	1314.2	1313.9	1313.6	1313.4	1313.8	1314.8	1316.0	1317.0	1318.2	1318.2	1318.2
152.5°	1346.3	1346.7	1347.0	1347.4	1347.9	1348.3	1348.7	1349.2	1349.6	1350.3	1351.0
155°	1394.4	1394.4	1394.4	1394.4	1394.5	1394.8	1395.1	1395.3	1395.6	1396.7	1397.7
157.5°	1437.0	1436.5	1435.8	1435.3	1435.1	1435.3	1435.7	1435.9	1436.1	1437.3	1438.4
160°	1462.4	1461.6	1460.8	1460.0	1459.7	1460.0	1460.2	1460.5	1460.8	1461.8	1463.0
162.5°	1485.2	1484.7	1484.1	1483.4	1483.2	1483.2	1483.3	1483.4	1483.4	1484.7	1486.0
165°	1515.6	1515.0	1514.5	1513.9	1513.8	1514.1	1514.3	1514.6	1514.9	1516.0	1517.0
167.5°	1540.6	1539.5	1538.4	1537.3	1536.8	1536.8	1536.8	1536.8	1536.8	1538.4	1540.0
170°	1554.4	1553.2	1552.2	1551.1	1550.5	1550.5	1550.5	1550.5	1550.5	1552.2	1553.8
172.5°	1564.2	1563.1	1562.0	1560.9	1560.4	1560.4	1560.4	1560.4	1560.4	1562.0	1563.7
175°	1575.2	1574.2	1573.0	1572.0	1571.4	1571.4	1571.4	1571.4	1571.4	1573.0	1574.8
177.5°	1581.1	1580.3	1579.4	1578.5	1577.9	1577.8	1577.5	1577.3	1577.1	1578.4	1579.7
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	464.2	465.4	468.0	467.1	468.2	468.9	469.4
5°	501.7	507.7	510.4	510.0	514.0	513.0	512.0
7.5°	544.0	550.3	553.9	558.3	560.8	561.1	563.3
10°	568.0	576.3	579.7	584.4	587.4	589.1	588.9
12.5°	586.4	592.9	600.5	602.8	606.8	609.0	608.2
15°	608.5	618.9	626.8	630.7	635.9	637.3	639.4
17.5°	628.3	642.1	651.3	663.7	668.3	671.2	669.4
20°	643.2	661.5	670.7	685.3	693.5	697.8	696.3
22.5°	660.8	680.6	697.7	710.4	722.7	728.6	729.8
25°	691.0	718.1	743.2	759.9	775.2	778.8	786.7
27.5°	724.8	756.8	783.6	801.2	811.8	815.8	818.3
30°	746.0	777.9	798.0	809.3	812.7	812.4	812.0
32.5°	756.4	776.3	780.2	777.1	769.3	762.7	755.9
35°	741.7	726.8	704.6	676.0	654.8	633.6	631.4
37.5°	667.1	619.5	582.4	541.1	517.3	502.6	492.4
40°	596.8	542.7	497.9	463.1	438.8	429.2	419.7
42.5°	520.6	468.9	429.2	400.1	381.8	371.1	363.7
45°	422.9	377.3	346.3	325.1	310.6	302.4	297.7
47.5°	346.6	312.8	286.4	271.2	261.2	254.8	254.8
50°	305.6	273.4	255.8	243.8	235.1	230.0	231.0
52.5°	269.2	245.2	230.2	220.1	213.7	210.6	210.4
55°	225.1	207.8	198.0	190.6	186.3	182.7	183.5
57.5°	192.6	178.0	171.4	165.3	162.2	160.9	158.7
60°	172.4	161.1	155.4	150.5	147.5	146.3	144.3
62.5°	154.4	145.5	140.1	136.1	133.4	133.0	131.3
65°	129.8	123.0	118.1	116.3	113.4	112.7	112.7
67.5°	107.0	102.2	98.3	96.6	95.4	95.6	94.7
70°	92.7	88.7	86.3	84.4	83.5	83.6	82.9
72.5°	81.1	76.6	74.5	73.4	72.2	72.6	72.3
75°	61.4	59.2	58.0	56.9	56.2	55.8	55.4
77.5°	45.1	43.1	42.2	41.6	41.7	40.8	41.5
80°	34.8	33.2	32.6	31.6	31.5	31.5	31.3
82.5°	25.5	24.5	24.1	23.4	23.0	23.3	22.8
85°	13.2	12.5	12.2	12.2	11.9	11.5	12.5
87.5°	9.5	9.2	9.5	9.5	9.6	9.6	9.5
90°	23.8	25.1	26.3	27.1	27.9	28.7	29.5
92.5°	52.6	54.5	55.6	56.3	56.8	57.4	58.0
95°	100.4	102.3	103.5	104.1	104.7	105.2	105.7
97.5°	156.1	157.9	159.1	159.4	159.7	160.0	160.4
100°	195.5	198.0	199.5	200.0	200.6	201.1	201.6
102.5°	235.5	238.1	239.9	240.7	241.4	242.2	243.0
105°	298.8	300.4	301.7	302.5	303.3	304.1	304.9
107.5°	367.4	368.2	368.6	368.5	368.5	368.4	368.4
110°	415.6	416.5	416.7	416.5	416.1	415.9	415.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	463.5	463.8	463.8	463.3	462.8	462.4	461.9
115°	536.5	536.2	536.0	535.7	535.4	535.2	534.9
117.5°	610.8	611.0	610.6	609.4	608.4	607.3	606.2
120°	660.3	660.3	659.7	658.7	657.5	656.5	655.4
122.5°	708.8	708.6	708.1	707.2	706.3	705.4	704.6
125°	780.4	779.8	779.4	779.2	778.9	778.6	778.4
127.5°	852.1	851.7	851.3	850.8	850.3	849.7	849.1
130°	899.3	898.9	898.5	898.1	897.5	896.9	896.4
132.5°	944.5	944.2	943.7	943.0	942.2	941.4	940.6
135°	1014.4	1014.4	1013.9	1012.8	1011.7	1010.6	1009.5
137.5°	1082.6	1082.9	1082.4	1081.0	1079.6	1078.2	1076.8
140°	1125.5	1126.0	1125.6	1124.3	1122.9	1121.5	1120.1
142.5°	1167.1	1167.5	1166.9	1165.6	1164.2	1162.9	1161.5
145°	1227.1	1227.1	1226.7	1225.9	1225.1	1224.3	1223.4
147.5°	1283.7	1284.3	1283.8	1281.9	1280.0	1278.2	1276.4
150°	1318.2	1318.2	1317.8	1317.3	1316.8	1316.2	1315.6
152.5°	1351.6	1352.3	1352.1	1351.1	1350.1	1349.2	1348.2
155°	1398.9	1400.0	1399.9	1398.5	1397.1	1395.7	1394.4
157.5°	1439.5	1440.6	1440.2	1438.4	1436.6	1434.8	1433.0
160°	1464.0	1465.2	1465.0	1463.6	1462.2	1460.9	1459.5
162.5°	1487.4	1488.7	1488.5	1486.9	1485.3	1483.8	1482.1
165°	1518.2	1519.2	1519.0	1517.4	1515.7	1514.1	1512.4
167.5°	1541.6	1543.3	1543.3	1541.6	1539.9	1538.2	1536.5
170°	1555.4	1557.1	1557.0	1555.0	1553.1	1551.2	1549.3
172.5°	1565.3	1566.9	1566.9	1565.2	1563.5	1561.8	1560.2
175°	1576.4	1578.0	1577.8	1576.0	1574.0	1572.1	1570.2
177.5°	1581.0	1582.3	1582.3	1580.7	1579.2	1577.6	1576.1
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1

(END OF REPORT)