

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: P333032-940

Luminaire Tested: **S124RDIW-S350D1560U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333032-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S350D1560U940-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6152.6 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

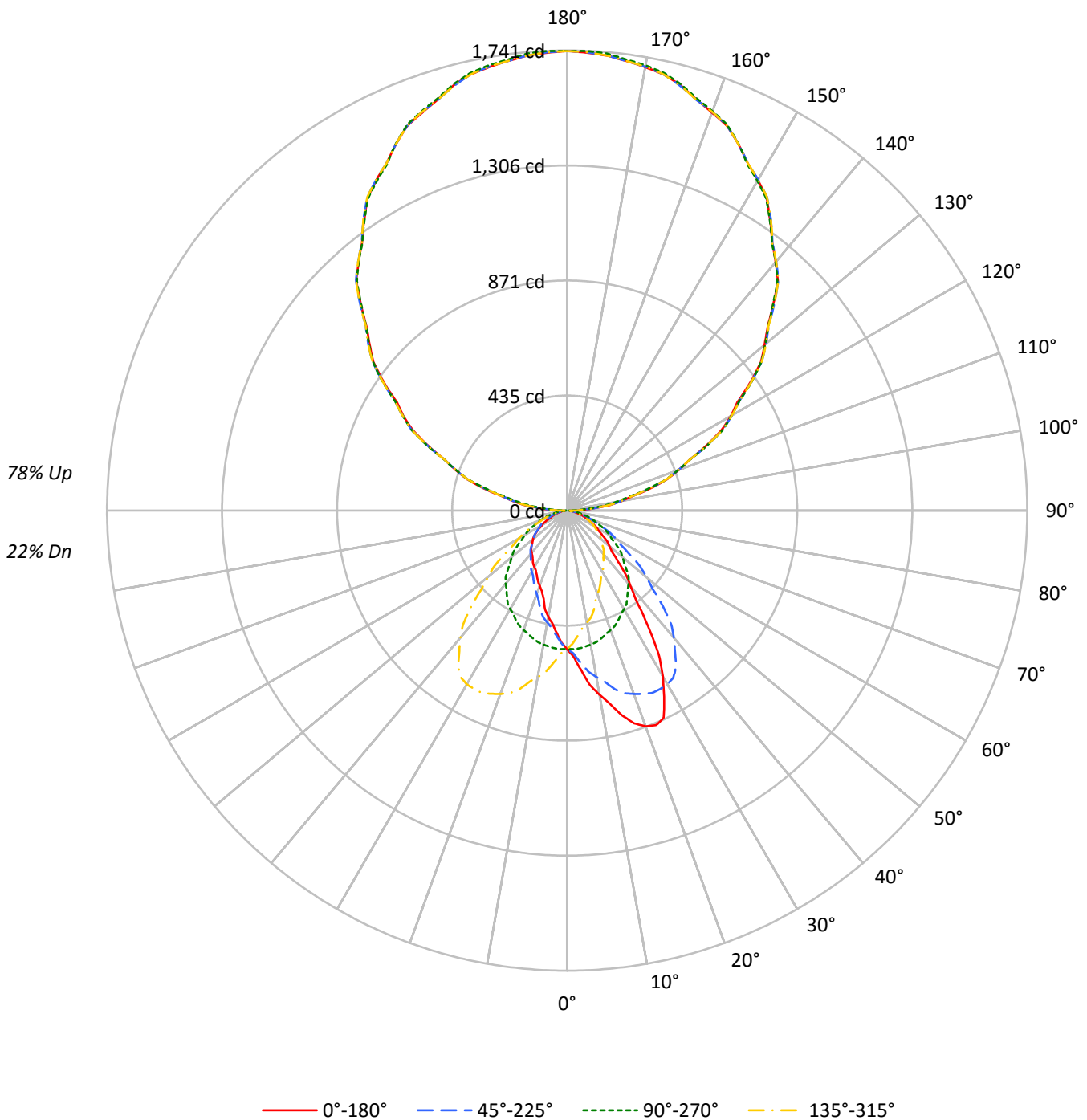
Input Watts (W): 53.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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	100	100	100	100	89	89	89	89	68	68	68	48	48	48	30	30	30	22
1	92	88	84	81	81	78	75	72	59	57	56	42	41	40	27	26	26	19
2	84	77	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	61	55	67	60	54	50	46	42	39	33	31	29	21	20	19	14
4	70	60	52	47	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	40	56	47	41	36	37	32	29	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	43	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	39	31	26	44	35	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	21	38	29	23	19	23	18	15	17	14	12	11	9	8	6

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

	0°	90°	180°	270°
0°	4229	4229	4229	4229
5°	4905	4241	3749	4241
10°	5802	4223	3345	4223
15°	6702	4184	2875	4184
20°	7462	4130	2600	4130
25°	7704	4077	2414	4077
30°	6743	4013	2302	4013
35°	5249	3918	2234	3918
40°	3936	3810	2197	3810
45°	3108	3635	2177	3635
50°	2624	3435	2115	3435
55°	2287	3215	2001	3215
60°	2057	2985	1773	2985
65°	1815	2737	1524	2737
70°	1633	2481	1374	2481
75°	1369	2196	1170	2196
80°	1158	1874	1097	1874
85°	973	1473	973	1473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	0.8
10°-20°	153.1	2.5
20°-30°	239.4	3.9
30°-40°	266.2	4.3
40°-50°	236.2	3.8
50°-60°	184.0	3.0
60°-70°	120.5	2.0
70°-80°	59.3	1.0
80°-90°	19.8	0.3
90°-100°	114.7	1.9
100°-110°	339.7	5.5
110°-120°	576.5	9.4
120°-130°	760.2	12.4
130°-140°	853.8	13.9
140°-150°	839.0	13.6
150°-160°	705.6	11.5
160°-170°	469.5	7.6
170°-180°	164.4	2.7
0°-30°	443.3	7.2
0°-40°	709.5	11.5
0°-60°	1129.7	18.4
0°-90°	1329.2	21.6
90°-120°	1030.9	16.8
90°-150°	3483.9	56.6
90°-180°	4823.0	78.4
0°-180°	6152.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	524	524	524	524	524	
5°	605	523	463	523	605	61
15°	802	501	344	501	802	228
25°	865	458	271	458	865	384
35°	533	398	227	398	533	334
45°	272	318	191	318	272	216
55°	162	228	142	228	162	148
65°	95	143	80	143	95	96
75°	44	70	38	70	44	48
85°	10	16	10	16	10	13
90°	40	4	40	4	40	21
95°	106	81	106	81	106	111
105°	328	313	328	313	328	346
115°	581	586	581	586	581	574
125°	847	854	847	854	847	756
135°	1102	1101	1102	1101	1102	851
145°	1339	1338	1339	1338	1339	838
155°	1531	1533	1531	1533	1531	705
165°	1665	1669	1665	1669	1665	469
175°	1728	1736	1728	1736	1728	164
180°	1738	1738	1738	1738	1738	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	552.5	554.0	552.5	552.3	550.6	550.1	549.5	547.2	543.2	540.8	541.4
5°	605.3	610.6	607.6	607.2	602.5	597.9	594.9	588.2	580.9	576.1	572.1
7.5°	666.3	669.3	667.4	664.5	657.0	652.7	645.9	637.0	624.1	614.3	605.3
10°	707.8	710.3	709.5	704.0	698.6	687.3	681.0	668.6	652.3	639.4	627.4
12.5°	748.7	751.4	744.0	744.2	733.8	725.0	715.0	699.3	680.6	664.0	648.9
15°	801.9	798.5	798.5	794.3	782.7	770.5	760.2	743.7	720.1	700.3	679.3
17.5°	843.6	844.8	843.1	833.1	824.0	811.4	792.4	773.2	751.3	724.6	703.3
20°	868.6	868.6	866.7	860.0	848.2	834.6	814.2	793.3	765.4	738.6	714.6
22.5°	878.8	879.4	877.2	871.6	861.0	847.8	830.4	809.1	780.4	750.3	720.5
25°	864.9	868.9	869.2	867.8	864.6	856.6	841.6	819.9	794.2	761.4	729.3
27.5°	794.0	799.1	803.5	810.8	820.6	825.5	826.3	815.2	792.7	761.3	729.0
30°	723.4	727.6	741.4	759.3	773.2	785.9	796.9	799.9	787.2	758.9	725.0
32.5°	645.1	650.9	664.6	683.9	707.0	728.5	753.1	765.7	765.4	748.4	717.0
35°	532.6	536.9	549.6	569.8	597.6	629.5	668.6	698.9	719.6	718.2	698.9
37.5°	429.6	434.4	447.1	464.0	491.0	530.4	568.2	610.1	648.3	669.8	663.3
40°	373.5	373.7	386.2	403.5	428.8	463.2	504.4	550.8	593.4	628.3	635.0
42.5°	329.3	329.3	337.6	356.2	374.4	406.8	446.1	492.2	542.2	582.4	600.2
45°	272.2	274.1	280.9	292.0	306.4	333.9	365.3	408.1	464.0	511.8	541.5
47.5°	230.5	233.4	237.6	246.7	258.2	276.4	302.5	341.0	386.5	438.9	481.3
50°	208.9	209.4	214.8	219.9	229.8	244.4	267.2	299.3	341.1	391.5	438.5
52.5°	190.4	190.3	193.6	200.0	208.0	219.4	237.8	267.0	304.1	349.3	397.9
55°	162.5	163.5	166.1	171.1	177.3	185.3	199.8	221.8	250.9	289.5	333.7
57.5°	141.3	141.9	143.8	146.0	151.6	157.5	168.4	183.6	208.1	239.8	280.9
60°	127.4	127.7	128.3	131.4	135.9	141.4	148.8	161.7	182.4	211.2	243.8
62.5°	114.0	114.3	115.3	117.6	121.1	124.8	132.6	142.9	160.1	184.8	214.0
65°	95.0	95.1	96.7	97.5	100.2	103.6	109.3	116.3	128.1	148.8	170.9
67.5°	79.4	79.4	79.5	80.6	82.5	84.7	88.1	93.7	102.6	115.3	134.8
70°	69.2	69.2	69.6	70.3	71.3	73.2	75.2	79.4	85.9	96.2	111.2
72.5°	59.7	59.9	60.4	60.5	61.0	62.6	64.0	66.7	71.5	79.4	91.5
75°	43.9	44.5	45.6	46.5	47.5	47.3	48.8	50.5	51.9	56.5	63.5
77.5°	32.6	32.4	32.5	33.2	33.3	33.5	34.6	35.8	37.0	39.1	41.6
80°	24.9	24.9	25.5	25.8	25.5	25.8	26.8	27.5	27.8	28.7	31.0
82.5°	18.8	19.2	19.0	19.2	19.3	19.5	20.4	20.5	21.0	21.3	22.2
85°	10.5	10.8	11.0	10.5	10.5	10.5	11.0	11.1	11.6	11.4	11.9
87.5°	11.8	11.5	11.5	11.4	11.5	11.1	10.9	10.9	10.2	10.0	9.5
90°	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2	31.4	29.6	27.2
92.5°	59.7	59.3	58.9	58.6	58.2	57.5	56.4	55.4	54.3	53.2	51.5
95°	106.2	106.2	106.2	106.2	106.2	105.8	104.9	104.0	103.1	102.2	100.1
97.5°	166.5	166.5	166.5	166.5	166.5	165.9	164.9	163.8	162.6	161.6	159.2
100°	208.4	208.4	208.4	208.4	208.4	208.1	207.5	206.9	206.3	205.7	203.0
102.5°	255.7	255.5	255.3	255.0	254.8	254.2	253.4	252.5	251.7	250.9	248.4
105°	328.1	327.2	326.3	325.4	324.5	323.6	322.7	321.8	320.9	320.0	318.8
107.5°	398.5	398.6	398.7	398.7	398.8	398.4	397.5	396.7	395.8	395.0	394.8
110°	449.1	448.2	447.3	446.4	445.5	445.3	445.9	446.6	447.1	447.7	448.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	500.7	500.5	500.3	500.2	500.0	500.0	500.1	500.2	500.3	500.4	501.0
115°	580.9	581.1	581.5	581.8	582.0	582.4	582.6	582.9	583.3	583.5	584.2
117.5°	657.2	657.8	658.4	659.0	659.6	660.4	661.5	662.5	663.4	664.5	664.9
120°	715.3	714.7	714.1	713.5	712.9	713.4	714.9	716.3	717.8	719.3	720.2
122.5°	763.8	764.8	765.9	767.0	768.0	769.1	770.1	771.1	772.1	773.1	773.6
125°	847.0	847.7	848.3	848.8	849.4	850.1	850.7	851.2	851.9	852.5	852.7
127.5°	924.3	924.7	925.2	925.7	926.1	926.7	927.3	927.9	928.4	929.1	929.6
130°	974.8	976.0	977.2	978.4	979.5	980.4	981.1	981.7	982.3	982.8	982.8
132.5°	1028.6	1029.0	1029.6	1030.0	1030.5	1031.0	1031.6	1032.2	1032.9	1033.4	1033.7
135°	1102.5	1103.4	1104.3	1105.2	1106.1	1106.9	1107.5	1108.0	1108.7	1109.3	1109.3
137.5°	1180.3	1180.1	1179.9	1179.7	1179.6	1179.8	1180.6	1181.4	1182.1	1182.9	1182.5
140°	1227.6	1227.9	1228.2	1228.5	1228.8	1229.0	1229.4	1229.7	1229.9	1230.3	1230.3
142.5°	1274.9	1275.0	1275.1	1275.1	1275.1	1275.2	1275.2	1275.3	1275.4	1275.4	1275.7
145°	1339.2	1340.1	1341.0	1341.8	1342.7	1343.4	1343.6	1344.0	1344.3	1344.5	1344.3
147.5°	1404.3	1404.5	1404.9	1405.2	1405.4	1405.7	1406.0	1406.2	1406.4	1406.7	1406.9
150°	1444.0	1444.4	1444.7	1444.9	1445.3	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4
152.5°	1480.6	1481.4	1482.2	1482.9	1483.7	1483.7	1483.0	1482.3	1481.6	1480.9	1480.7
155°	1531.4	1532.7	1533.8	1535.0	1536.2	1536.2	1535.0	1533.8	1532.7	1531.4	1531.8
157.5°	1576.9	1577.9	1579.0	1579.9	1580.9	1581.0	1580.1	1579.2	1578.3	1577.4	1577.5
160°	1602.7	1604.2	1605.7	1607.2	1608.6	1609.0	1608.1	1607.2	1606.3	1605.4	1605.7
162.5°	1629.6	1631.1	1632.6	1634.1	1635.6	1635.5	1633.9	1632.3	1630.7	1629.1	1629.3
165°	1664.6	1665.7	1667.0	1668.1	1669.4	1669.0	1667.2	1665.4	1663.7	1661.9	1662.5
167.5°	1689.5	1691.4	1693.3	1695.1	1697.0	1697.0	1695.2	1693.4	1691.7	1689.9	1689.8
170°	1703.5	1705.7	1707.7	1709.9	1711.9	1712.1	1710.3	1708.5	1706.6	1704.9	1704.6
172.5°	1715.4	1717.4	1719.6	1721.6	1723.8	1723.8	1721.7	1719.8	1717.7	1715.7	1715.6
175°	1727.8	1729.8	1732.0	1734.0	1736.2	1736.2	1734.0	1732.0	1729.8	1727.8	1728.0
177.5°	1734.2	1736.2	1738.0	1739.9	1741.9	1742.0	1740.3	1738.7	1737.0	1735.3	1735.3
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	539.7	537.3	536.1	533.4	530.2	528.5	527.0	524.8	521.9	518.9	516.7
5°	567.0	562.0	555.6	548.0	541.4	534.8	529.1	523.3	516.8	510.1	503.4
7.5°	595.1	585.2	574.4	562.0	549.9	538.9	528.7	519.1	508.1	498.2	489.3
10°	614.7	601.3	586.3	570.4	554.6	540.9	527.4	515.1	501.7	489.6	479.5
12.5°	630.6	614.7	596.7	577.0	557.9	541.4	525.8	509.9	494.5	481.5	468.0
15°	656.9	635.3	611.0	587.3	562.7	540.0	519.2	500.6	483.0	464.7	451.8
17.5°	675.1	649.3	619.7	591.4	562.2	535.6	511.5	489.4	469.1	450.4	435.1
20°	685.9	657.4	624.6	592.4	559.6	531.2	505.2	480.7	459.9	439.6	423.7
22.5°	692.0	660.4	624.6	590.8	557.0	526.1	497.7	472.2	449.4	429.1	411.6
25°	693.9	660.1	623.7	584.8	547.7	515.0	485.4	457.7	432.4	412.1	393.6
27.5°	691.2	651.4	614.0	574.2	535.8	501.4	470.4	441.3	416.0	394.2	375.1
30°	687.2	644.5	604.4	563.0	524.2	491.1	458.3	430.5	404.1	381.6	362.4
32.5°	678.3	636.1	592.9	550.5	511.2	477.1	446.0	418.0	392.2	369.1	348.7
35°	660.9	618.1	571.3	527.8	489.2	453.7	424.6	397.6	372.9	348.2	326.7
37.5°	638.0	594.3	547.7	500.1	461.4	427.9	401.3	375.9	351.8	329.2	305.4
40°	616.4	576.6	528.4	481.2	441.5	409.2	384.5	361.5	337.2	314.9	291.1
42.5°	590.3	556.3	507.7	460.2	421.1	389.9	366.9	344.5	322.4	300.7	275.8
45°	546.6	520.8	475.3	429.7	390.2	359.4	338.3	318.4	299.1	278.4	254.9
47.5°	496.5	479.1	439.8	393.1	356.6	328.9	308.4	292.2	275.8	255.1	234.6
50°	461.7	450.6	412.6	370.0	335.1	309.6	288.7	273.5	259.8	240.0	221.6
52.5°	424.6	418.7	386.6	345.8	312.2	287.1	269.3	255.7	241.7	225.2	208.1
55°	368.0	371.2	344.0	308.7	277.1	256.0	239.8	228.4	216.5	202.6	189.3
57.5°	310.2	321.8	303.5	272.6	242.9	223.4	211.2	201.6	191.6	180.1	168.7
60°	275.6	285.3	275.0	247.7	221.8	203.7	192.3	184.9	175.0	164.4	155.8
62.5°	241.8	252.3	246.1	224.1	200.0	184.4	174.3	167.5	160.1	150.9	141.9
65°	199.5	206.2	203.2	188.1	170.9	157.7	148.4	143.3	136.5	129.8	121.8
67.5°	152.8	165.8	164.1	156.0	141.2	130.8	124.8	120.3	114.1	109.1	103.7
70°	125.6	137.6	137.4	130.8	122.8	113.2	108.9	105.1	99.6	94.8	90.3
72.5°	102.8	113.8	115.5	110.4	105.0	97.6	93.5	91.0	85.6	82.3	78.6
75°	72.0	80.0	82.1	82.1	79.5	75.8	72.1	70.4	66.7	63.8	61.6
77.5°	47.2	52.3	55.6	56.3	56.7	55.4	52.4	51.3	48.3	47.3	45.3
80°	33.3	36.7	40.5	41.8	42.8	42.4	41.2	40.3	37.5	36.5	35.7
82.5°	23.0	24.9	28.0	30.9	30.5	31.7	30.5	29.9	27.7	27.4	26.6
85°	12.0	12.2	12.7	14.5	15.6	16.1	16.2	15.9	15.2	15.2	13.7
87.5°	9.0	8.4	8.2	7.7	7.1	7.2	7.0	6.5	6.7	6.9	7.0
90°	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0	7.3	10.6	13.9
92.5°	49.9	48.2	46.5	43.9	40.0	36.3	32.5	28.8	32.5	36.3	40.0
95°	98.0	95.9	93.8	91.4	88.7	86.1	83.4	80.7	83.4	86.1	88.7
97.5°	156.7	154.3	151.9	149.5	147.4	145.2	143.0	140.9	143.0	145.2	147.4
100°	200.4	197.7	194.9	193.1	191.8	190.6	189.4	188.2	189.4	190.6	191.8
102.5°	246.0	243.5	241.1	239.6	239.2	238.7	238.2	237.7	238.2	238.7	239.2
105°	317.6	316.4	315.2	314.5	314.1	313.9	313.6	313.3	313.6	313.9	314.1
107.5°	394.7	394.5	394.3	394.0	393.7	393.3	393.0	392.6	393.0	393.3	393.7
110°	448.4	448.6	449.0	448.8	448.2	447.5	447.0	446.4	447.0	447.5	448.2





TEST NUMBER: P333032-940

CATALOG NUMBER: S124RDIW-S350D1560U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	501.5	502.0	502.6	502.8	502.7	502.6	502.5	502.3	502.5	502.6	502.7
115°	584.7	585.3	585.9	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2
117.5°	665.3	665.8	666.2	666.3	666.0	665.8	665.5	665.3	665.5	665.8	666.0
120°	721.1	722.0	722.9	722.7	721.6	720.4	719.2	718.0	719.2	720.4	721.6
122.5°	773.9	774.4	774.8	774.7	774.3	773.8	773.3	772.8	773.3	773.8	774.3
125°	853.0	853.4	853.6	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
127.5°	930.1	930.5	931.0	930.8	929.9	929.0	928.1	927.2	928.1	929.0	929.9
130°	982.8	982.8	982.8	982.4	981.5	980.6	979.7	978.8	979.7	980.6	981.5
132.5°	1033.9	1034.1	1034.4	1034.2	1033.5	1032.9	1032.2	1031.5	1032.2	1032.9	1033.5
135°	1109.3	1109.3	1109.3	1108.4	1106.6	1104.7	1103.0	1101.2	1103.0	1104.7	1106.6
137.5°	1182.0	1181.5	1181.1	1180.4	1179.6	1178.7	1177.9	1177.1	1177.9	1178.7	1179.6
140°	1230.3	1230.3	1230.3	1229.9	1229.4	1228.8	1228.2	1227.6	1228.2	1228.8	1229.4
142.5°	1275.9	1276.1	1276.4	1276.2	1275.6	1275.1	1274.4	1273.8	1274.4	1275.1	1275.6
145°	1344.0	1343.6	1343.4	1342.6	1341.4	1340.2	1339.0	1337.8	1339.0	1340.2	1341.4
147.5°	1407.1	1407.4	1407.7	1407.0	1405.6	1404.2	1402.8	1401.3	1402.8	1404.2	1405.6
150°	1445.4	1445.4	1445.4	1444.8	1443.6	1442.4	1441.2	1440.0	1441.2	1442.4	1443.6
152.5°	1480.4	1480.2	1480.0	1479.4	1478.7	1478.0	1477.3	1476.6	1477.3	1478.0	1478.7
155°	1532.0	1532.3	1532.7	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8
157.5°	1577.5	1577.6	1577.7	1578.0	1578.5	1579.0	1579.6	1580.1	1579.6	1579.0	1578.5
160°	1606.0	1606.3	1606.6	1606.9	1607.2	1607.5	1607.8	1608.1	1607.8	1607.5	1607.2
162.5°	1629.7	1630.0	1630.2	1630.8	1631.6	1632.4	1633.2	1633.9	1633.2	1632.4	1631.6
165°	1663.0	1663.7	1664.3	1665.0	1665.9	1666.8	1667.7	1668.6	1667.7	1666.8	1665.9
167.5°	1689.7	1689.7	1689.6	1690.2	1691.5	1692.7	1694.0	1695.2	1694.0	1692.7	1691.5
170°	1704.3	1704.0	1703.7	1704.3	1705.8	1707.3	1708.8	1710.3	1708.8	1707.3	1705.8
172.5°	1715.6	1715.5	1715.4	1716.0	1717.3	1718.5	1719.8	1721.0	1719.8	1718.5	1717.3
175°	1728.3	1728.7	1728.9	1729.8	1731.3	1732.9	1734.3	1735.8	1734.3	1732.9	1731.3
177.5°	1735.3	1735.3	1735.3	1735.9	1737.1	1738.3	1739.5	1740.6	1739.5	1738.3	1737.1
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	514.3	512.6	510.5	507.9	504.9	502.2	501.0	502.0	502.6	501.1	501.0
5°	498.6	493.4	489.2	482.9	477.8	473.6	470.6	469.3	469.8	466.4	465.6
7.5°	481.1	474.8	467.9	460.4	453.4	447.2	444.0	442.2	438.5	437.0	434.4
10°	469.8	461.4	454.6	445.7	437.7	430.3	426.7	423.7	420.2	418.5	414.9
12.5°	458.2	448.4	440.9	431.7	423.5	414.6	411.2	405.7	400.1	396.5	391.9
15°	441.7	429.9	420.8	409.8	400.1	390.0	380.9	370.8	367.0	359.0	354.4
17.5°	422.5	410.5	399.3	384.6	369.6	357.0	347.3	337.6	331.8	326.7	324.3
20°	409.8	398.9	383.3	366.1	349.5	335.6	327.7	321.4	315.0	311.5	309.0
22.5°	397.9	383.8	365.7	347.2	330.6	319.7	313.1	306.6	301.4	298.0	294.6
25°	377.7	359.4	340.2	319.1	307.7	298.2	291.1	285.7	282.6	278.1	276.4
27.5°	357.1	334.8	313.7	299.5	287.7	278.9	272.7	268.8	264.7	261.9	259.7
30°	341.3	318.7	299.7	286.1	274.1	267.0	261.9	257.3	254.0	251.7	250.1
32.5°	325.6	303.0	287.0	272.5	263.0	256.0	250.6	247.1	244.6	241.7	240.6
35°	302.8	282.8	268.9	255.7	246.1	239.8	235.5	231.9	229.8	229.0	228.4
37.5°	281.0	264.6	249.6	238.9	230.2	225.2	220.3	218.5	217.0	215.5	216.2
40°	267.2	251.7	238.4	227.1	220.1	214.6	211.7	209.6	208.3	208.3	208.3
42.5°	255.2	240.1	227.1	217.0	210.0	205.4	202.1	200.3	199.8	199.7	200.7
45°	236.6	222.7	209.6	201.1	195.2	190.6	188.7	187.2	187.2	188.1	188.2
47.5°	218.1	205.1	194.6	185.1	179.7	176.8	175.1	174.4	174.5	175.3	176.3
50°	206.8	193.9	183.6	175.1	170.1	167.4	165.9	165.4	165.9	165.9	167.4
52.5°	194.5	183.0	172.8	165.7	160.0	157.4	156.6	156.0	156.2	156.9	157.6
55°	176.5	166.1	156.4	149.6	145.4	143.7	141.8	142.0	141.6	142.0	142.0
57.5°	158.3	149.0	140.0	134.6	130.9	128.5	126.4	127.0	126.4	126.3	125.9
60°	146.7	136.5	129.4	124.5	120.3	118.2	116.3	116.7	116.1	115.7	114.8
62.5°	134.0	125.6	118.7	114.0	110.7	108.3	106.3	105.9	104.4	103.0	101.1
65°	115.7	108.7	102.5	98.2	95.0	93.1	91.6	90.3	87.1	83.8	82.1
67.5°	97.8	92.7	87.0	83.3	80.7	78.3	75.4	73.3	70.4	68.5	67.4
70°	86.3	81.5	76.6	73.0	70.3	67.9	64.8	63.3	61.2	60.4	59.3
72.5°	75.3	70.8	66.3	63.0	60.2	58.3	55.8	54.4	53.4	53.1	52.1
75°	58.7	55.1	51.7	48.8	46.5	45.1	44.1	43.1	42.6	40.8	39.7
77.5°	42.8	40.4	38.3	36.2	34.6	33.7	31.7	30.5	29.8	28.9	28.6
80°	33.3	31.7	29.5	28.3	25.9	25.1	24.3	24.1	23.8	23.6	23.5
82.5°	25.1	23.4	21.3	20.5	19.9	19.4	18.9	18.6	18.5	18.5	18.5
85°	12.7	11.9	11.9	11.6	11.4	11.1	11.0	11.0	10.8	11.0	10.8
87.5°	7.7	8.0	8.6	8.6	9.4	9.8	10.0	10.3	10.9	10.9	11.1
90°	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2	35.0	36.7	38.0
92.5°	43.9	46.5	48.2	49.9	51.5	53.2	54.3	55.4	56.4	57.5	58.2
95°	91.4	93.8	95.9	98.0	100.1	102.2	103.1	104.0	104.9	105.8	106.2
97.5°	149.5	151.9	154.3	156.7	159.2	161.6	162.6	163.8	164.9	165.9	166.5
100°	193.1	194.9	197.7	200.4	203.0	205.7	206.3	206.9	207.5	208.1	208.4
102.5°	239.6	241.1	243.5	246.0	248.4	250.9	251.7	252.5	253.4	254.2	254.8
105°	314.5	315.2	316.4	317.6	318.8	320.0	320.9	321.8	322.7	323.6	324.5
107.5°	394.0	394.3	394.5	394.7	394.8	395.0	395.8	396.7	397.5	398.4	398.8
110°	448.8	449.0	448.6	448.4	448.0	447.7	447.1	446.6	445.9	445.3	445.5



TEST NUMBER: P333032-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	502.8	502.6	502.0	501.5	501.0	500.4	500.3	500.2	500.1	500.0	500.0
115°	586.2	585.9	585.3	584.7	584.2	583.5	583.3	582.9	582.6	582.4	582.0
117.5°	666.3	666.2	665.8	665.3	664.9	664.5	663.4	662.5	661.5	660.4	659.6
120°	722.7	722.9	722.0	721.1	720.2	719.3	717.8	716.3	714.9	713.4	712.9
122.5°	774.7	774.8	774.4	773.9	773.6	773.1	772.1	771.1	770.1	769.1	768.0
125°	853.8	853.6	853.4	853.0	852.7	852.5	851.9	851.2	850.7	850.1	849.4
127.5°	930.8	931.0	930.5	930.1	929.6	929.1	928.4	927.9	927.3	926.7	926.1
130°	982.4	982.8	982.8	982.8	982.8	982.8	982.3	981.7	981.1	980.4	979.5
132.5°	1034.2	1034.4	1034.1	1033.9	1033.7	1033.4	1032.9	1032.2	1031.6	1031.0	1030.5
135°	1108.4	1109.3	1109.3	1109.3	1109.3	1109.3	1108.7	1108.0	1107.5	1106.9	1106.1
137.5°	1180.4	1181.1	1181.5	1182.0	1182.5	1182.9	1182.1	1181.4	1180.6	1179.8	1179.6
140°	1229.9	1230.3	1230.3	1230.3	1230.3	1230.3	1229.9	1229.7	1229.4	1229.0	1228.8
142.5°	1276.2	1276.4	1276.1	1275.9	1275.7	1275.4	1275.4	1275.3	1275.2	1275.2	1275.1
145°	1342.6	1343.4	1343.6	1344.0	1344.3	1344.5	1344.3	1344.0	1343.6	1343.4	1342.7
147.5°	1407.0	1407.7	1407.4	1407.1	1406.9	1406.7	1406.4	1406.2	1406.0	1405.7	1405.4
150°	1444.8	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.3
152.5°	1479.4	1480.0	1480.2	1480.4	1480.7	1480.9	1481.6	1482.3	1483.0	1483.7	1483.7
155°	1532.8	1532.7	1532.3	1532.0	1531.8	1531.4	1532.7	1533.8	1535.0	1536.2	1536.2
157.5°	1578.0	1577.7	1577.6	1577.5	1577.5	1577.4	1578.3	1579.2	1580.1	1581.0	1580.9
160°	1606.9	1606.6	1606.3	1606.0	1605.7	1605.4	1606.3	1607.2	1608.1	1609.0	1608.6
162.5°	1630.8	1630.2	1630.0	1629.7	1629.3	1629.1	1630.7	1632.3	1633.9	1635.5	1635.6
165°	1665.0	1664.3	1663.7	1663.0	1662.5	1661.9	1663.7	1665.4	1667.2	1669.0	1669.4
167.5°	1690.2	1689.6	1689.7	1689.7	1689.8	1689.9	1691.7	1693.4	1695.2	1697.0	1697.0
170°	1704.3	1703.7	1704.0	1704.3	1704.6	1704.9	1706.6	1708.5	1710.3	1712.1	1711.9
172.5°	1716.0	1715.4	1715.5	1715.6	1715.6	1715.7	1717.7	1719.8	1721.7	1723.8	1723.8
175°	1729.8	1728.9	1728.7	1728.3	1728.0	1727.8	1729.8	1732.0	1734.0	1736.2	1736.2
177.5°	1735.9	1735.3	1735.3	1735.3	1735.3	1735.3	1737.0	1738.7	1740.3	1742.0	1741.9
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



TEST NUMBER: P333032-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	500.0	500.3	499.2	498.8	499.2	500.3	500.0	501.0	501.1	502.6	502.0
5°	463.9	463.4	462.4	462.6	462.4	463.4	463.9	465.6	466.4	469.8	469.3
7.5°	432.9	431.3	431.8	430.1	431.8	431.3	432.9	434.4	437.0	438.5	442.2
10°	414.0	411.7	409.8	408.1	409.8	411.7	414.0	414.9	418.5	420.2	423.7
12.5°	388.3	386.2	383.7	384.1	383.7	386.2	388.3	391.9	396.5	400.1	405.7
15°	351.6	348.4	343.4	344.0	343.4	348.4	351.6	354.4	359.0	367.0	370.8
17.5°	320.6	320.6	318.3	318.9	318.3	320.6	320.6	324.3	326.7	331.8	337.6
20°	304.5	303.1	303.3	302.6	303.3	303.1	304.5	309.0	311.5	315.0	321.4
22.5°	293.4	291.6	290.1	288.8	290.1	291.6	293.4	294.6	298.0	301.4	306.6
25°	274.6	273.3	271.4	271.0	271.4	273.3	274.6	276.4	278.1	282.6	285.7
27.5°	258.0	257.8	257.0	256.0	257.0	257.8	258.0	259.7	261.9	264.7	268.8
30°	248.4	248.0	247.5	246.9	247.5	248.0	248.4	250.1	251.7	254.0	257.3
32.5°	239.8	239.5	239.1	239.2	239.1	239.5	239.8	240.6	241.7	244.6	247.1
35°	227.5	227.3	226.9	226.7	226.9	227.3	227.5	228.4	229.0	229.8	231.9
37.5°	216.1	216.6	216.3	216.2	216.3	216.6	216.1	216.2	215.5	217.0	218.5
40°	208.1	208.3	208.7	208.5	208.7	208.3	208.1	208.3	208.3	208.3	209.6
42.5°	201.5	201.5	202.2	201.4	202.2	201.5	201.5	200.7	199.7	199.8	200.3
45°	189.8	191.0	190.7	190.7	190.7	191.0	189.8	188.2	188.1	187.2	187.2
47.5°	176.8	178.0	178.3	178.2	178.3	178.0	176.8	176.3	175.3	174.5	174.4
50°	168.4	168.0	168.6	168.4	168.6	168.0	168.4	167.4	165.9	165.9	165.4
52.5°	158.1	158.2	158.2	157.9	158.2	158.2	158.1	157.6	156.9	156.2	156.0
55°	142.2	142.5	142.0	142.2	142.0	142.5	142.2	142.0	142.0	141.6	142.0
57.5°	125.0	124.0	124.4	123.9	124.4	124.0	125.0	125.9	126.3	126.4	127.0
60°	112.7	111.0	110.6	109.8	110.6	111.0	112.7	114.8	115.7	116.1	116.7
62.5°	98.9	97.6	96.2	96.9	96.2	97.6	98.9	101.1	103.0	104.4	105.9
65°	80.4	79.5	78.9	79.8	78.9	79.5	80.4	82.1	83.8	87.1	90.3
67.5°	66.5	66.1	66.1	65.7	66.1	66.1	66.5	67.4	68.5	70.4	73.3
70°	59.3	58.7	58.7	58.2	58.7	58.7	59.3	59.3	60.4	61.2	63.3
72.5°	51.9	51.3	51.5	51.2	51.5	51.3	51.9	52.1	53.1	53.4	54.4
75°	38.4	37.4	37.4	37.5	37.4	37.4	38.4	39.7	40.8	42.6	43.1
77.5°	28.6	28.4	28.7	28.4	28.7	28.4	28.6	28.6	28.9	29.8	30.5
80°	23.5	23.2	23.0	23.6	23.0	23.2	23.5	23.5	23.6	23.8	24.1
82.5°	18.2	18.2	18.1	18.9	18.1	18.2	18.2	18.5	18.5	18.5	18.6
85°	11.0	10.5	11.0	10.5	11.0	10.5	11.0	10.8	11.0	10.8	11.0
87.5°	11.6	11.5	11.5	11.8	11.5	11.5	11.6	11.1	10.9	10.9	10.3
90°	38.5	39.1	39.8	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2
92.5°	58.6	58.9	59.3	59.7	59.3	58.9	58.6	58.2	57.5	56.4	55.4
95°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	105.8	104.9	104.0
97.5°	166.5	166.5	166.5	166.5	166.5	166.5	166.5	166.5	165.9	164.9	163.8
100°	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.1	207.5	206.9
102.5°	255.0	255.3	255.5	255.7	255.5	255.3	255.0	254.8	254.2	253.4	252.5
105°	325.4	326.3	327.2	328.1	327.2	326.3	325.4	324.5	323.6	322.7	321.8
107.5°	398.7	398.7	398.6	398.5	398.6	398.7	398.7	398.8	398.4	397.5	396.7
110°	446.4	447.3	448.2	449.1	448.2	447.3	446.4	445.5	445.3	445.9	446.6



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	500.2	500.3	500.5	500.7	500.5	500.3	500.2	500.0	500.0	500.1	500.2
115°	581.8	581.5	581.1	580.9	581.1	581.5	581.8	582.0	582.4	582.6	582.9
117.5°	659.0	658.4	657.8	657.2	657.8	658.4	659.0	659.6	660.4	661.5	662.5
120°	713.5	714.1	714.7	715.3	714.7	714.1	713.5	712.9	713.4	714.9	716.3
122.5°	767.0	765.9	764.8	763.8	764.8	765.9	767.0	768.0	769.1	770.1	771.1
125°	848.8	848.3	847.7	847.0	847.7	848.3	848.8	849.4	850.1	850.7	851.2
127.5°	925.7	925.2	924.7	924.3	924.7	925.2	925.7	926.1	926.7	927.3	927.9
130°	978.4	977.2	976.0	974.8	976.0	977.2	978.4	979.5	980.4	981.1	981.7
132.5°	1030.0	1029.6	1029.0	1028.6	1029.0	1029.6	1030.0	1030.5	1031.0	1031.6	1032.2
135°	1105.2	1104.3	1103.4	1102.5	1103.4	1104.3	1105.2	1106.1	1106.9	1107.5	1108.0
137.5°	1179.7	1179.9	1180.1	1180.3	1180.1	1179.9	1179.7	1179.6	1179.8	1180.6	1181.4
140°	1228.5	1228.2	1227.9	1227.6	1227.9	1228.2	1228.5	1228.8	1229.0	1229.4	1229.7
142.5°	1275.1	1275.1	1275.0	1274.9	1275.0	1275.1	1275.1	1275.1	1275.2	1275.2	1275.3
145°	1341.8	1341.0	1340.1	1339.2	1340.1	1341.0	1341.8	1342.7	1343.4	1343.6	1344.0
147.5°	1405.2	1404.9	1404.5	1404.3	1404.5	1404.9	1405.2	1405.4	1405.7	1406.0	1406.2
150°	1444.9	1444.7	1444.4	1444.0	1444.4	1444.7	1444.9	1445.3	1445.4	1445.4	1445.4
152.5°	1482.9	1482.2	1481.4	1480.6	1481.4	1482.2	1482.9	1483.7	1483.7	1483.0	1482.3
155°	1535.0	1533.8	1532.7	1531.4	1532.7	1533.8	1535.0	1536.2	1536.2	1535.0	1533.8
157.5°	1579.9	1579.0	1577.9	1576.9	1577.9	1579.0	1579.9	1580.9	1581.0	1580.1	1579.2
160°	1607.2	1605.7	1604.2	1602.7	1604.2	1605.7	1607.2	1608.6	1609.0	1608.1	1607.2
162.5°	1634.1	1632.6	1631.1	1629.6	1631.1	1632.6	1634.1	1635.6	1635.5	1633.9	1632.3
165°	1668.1	1667.0	1665.7	1664.6	1665.7	1667.0	1668.1	1669.4	1669.0	1667.2	1665.4
167.5°	1695.1	1693.3	1691.4	1689.5	1691.4	1693.3	1695.1	1697.0	1697.0	1695.2	1693.4
170°	1709.9	1707.7	1705.7	1703.5	1705.7	1707.7	1709.9	1711.9	1712.1	1710.3	1708.5
172.5°	1721.6	1719.6	1717.4	1715.4	1717.4	1719.6	1721.6	1723.8	1723.8	1721.7	1719.8
175°	1734.0	1732.0	1729.8	1727.8	1729.8	1732.0	1734.0	1736.2	1736.2	1734.0	1732.0
177.5°	1739.9	1738.0	1736.2	1734.2	1736.2	1738.0	1739.9	1741.9	1742.0	1740.3	1738.7
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	501.0	502.2	504.9	507.9	510.5	512.6	514.3	516.7	518.9	521.9	524.8
5°	470.6	473.6	477.8	482.9	489.2	493.4	498.6	503.4	510.1	516.8	523.3
7.5°	444.0	447.2	453.4	460.4	467.9	474.8	481.1	489.3	498.2	508.1	519.1
10°	426.7	430.3	437.7	445.7	454.6	461.4	469.8	479.5	489.6	501.7	515.1
12.5°	411.2	414.6	423.5	431.7	440.9	448.4	458.2	468.0	481.5	494.5	509.9
15°	380.9	390.0	400.1	409.8	420.8	429.9	441.7	451.8	464.7	483.0	500.6
17.5°	347.3	357.0	369.6	384.6	399.3	410.5	422.5	435.1	450.4	469.1	489.4
20°	327.7	335.6	349.5	366.1	383.3	398.9	409.8	423.7	439.6	459.9	480.7
22.5°	313.1	319.7	330.6	347.2	365.7	383.8	397.9	411.6	429.1	449.4	472.2
25°	291.1	298.2	307.7	319.1	340.2	359.4	377.7	393.6	412.1	432.4	457.7
27.5°	272.7	278.9	287.7	299.5	313.7	334.8	357.1	375.1	394.2	416.0	441.3
30°	261.9	267.0	274.1	286.1	299.7	318.7	341.3	362.4	381.6	404.1	430.5
32.5°	250.6	256.0	263.0	272.5	287.0	303.0	325.6	348.7	369.1	392.2	418.0
35°	235.5	239.8	246.1	255.7	268.9	282.8	302.8	326.7	348.2	372.9	397.6
37.5°	220.3	225.2	230.2	238.9	249.6	264.6	281.0	305.4	329.2	351.8	375.9
40°	211.7	214.6	220.1	227.1	238.4	251.7	267.2	291.1	314.9	337.2	361.5
42.5°	202.1	205.4	210.0	217.0	227.1	240.1	255.2	275.8	300.7	322.4	344.5
45°	188.7	190.6	195.2	201.1	209.6	222.7	236.6	254.9	278.4	299.1	318.4
47.5°	175.1	176.8	179.7	185.1	194.6	205.1	218.1	234.6	255.1	275.8	292.2
50°	165.9	167.4	170.1	175.1	183.6	193.9	206.8	221.6	240.0	259.8	273.5
52.5°	156.6	157.4	160.0	165.7	172.8	183.0	194.5	208.1	225.2	241.7	255.7
55°	141.8	143.7	145.4	149.6	156.4	166.1	176.5	189.3	202.6	216.5	228.4
57.5°	126.4	128.5	130.9	134.6	140.0	149.0	158.3	168.7	180.1	191.6	201.6
60°	116.3	118.2	120.3	124.5	129.4	136.5	146.7	155.8	164.4	175.0	184.9
62.5°	106.3	108.3	110.7	114.0	118.7	125.6	134.0	141.9	150.9	160.1	167.5
65°	91.6	93.1	95.0	98.2	102.5	108.7	115.7	121.8	129.8	136.5	143.3
67.5°	75.4	78.3	80.7	83.3	87.0	92.7	97.8	103.7	109.1	114.1	120.3
70°	64.8	67.9	70.3	73.0	76.6	81.5	86.3	90.3	94.8	99.6	105.1
72.5°	55.8	58.3	60.2	63.0	66.3	70.8	75.3	78.6	82.3	85.6	91.0
75°	44.1	45.1	46.5	48.8	51.7	55.1	58.7	61.6	63.8	66.7	70.4
77.5°	31.7	33.7	34.6	36.2	38.3	40.4	42.8	45.3	47.3	48.3	51.3
80°	24.3	25.1	25.9	28.3	29.5	31.7	33.3	35.7	36.5	37.5	40.3
82.5°	18.9	19.4	19.9	20.5	21.3	23.4	25.1	26.6	27.4	27.7	29.9
85°	11.0	11.1	11.4	11.6	11.9	11.9	12.7	13.7	15.2	15.2	15.9
87.5°	10.0	9.8	9.4	8.6	8.6	8.0	7.7	7.0	6.9	6.7	6.5
90°	31.4	29.6	27.2	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0
92.5°	54.3	53.2	51.5	49.9	48.2	46.5	43.9	40.0	36.3	32.5	28.8
95°	103.1	102.2	100.1	98.0	95.9	93.8	91.4	88.7	86.1	83.4	80.7
97.5°	162.6	161.6	159.2	156.7	154.3	151.9	149.5	147.4	145.2	143.0	140.9
100°	206.3	205.7	203.0	200.4	197.7	194.9	193.1	191.8	190.6	189.4	188.2
102.5°	251.7	250.9	248.4	246.0	243.5	241.1	239.6	239.2	238.7	238.2	237.7
105°	320.9	320.0	318.8	317.6	316.4	315.2	314.5	314.1	313.9	313.6	313.3
107.5°	395.8	395.0	394.8	394.7	394.5	394.3	394.0	393.7	393.3	393.0	392.6
110°	447.1	447.7	448.0	448.4	448.6	449.0	448.8	448.2	447.5	447.0	446.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	500.3	500.4	501.0	501.5	502.0	502.6	502.8	502.7	502.6	502.5	502.3
115°	583.3	583.5	584.2	584.7	585.3	585.9	586.2	586.2	586.2	586.2	586.2
117.5°	663.4	664.5	664.9	665.3	665.8	666.2	666.3	666.0	665.8	665.5	665.3
120°	717.8	719.3	720.2	721.1	722.0	722.9	722.7	721.6	720.4	719.2	718.0
122.5°	772.1	773.1	773.6	773.9	774.4	774.8	774.7	774.3	773.8	773.3	772.8
125°	851.9	852.5	852.7	853.0	853.4	853.6	853.8	853.8	853.8	853.8	853.8
127.5°	928.4	929.1	929.6	930.1	930.5	931.0	930.8	929.9	929.0	928.1	927.2
130°	982.3	982.8	982.8	982.8	982.8	982.8	982.4	981.5	980.6	979.7	978.8
132.5°	1032.9	1033.4	1033.7	1033.9	1034.1	1034.4	1034.2	1033.5	1032.9	1032.2	1031.5
135°	1108.7	1109.3	1109.3	1109.3	1109.3	1109.3	1108.4	1106.6	1104.7	1103.0	1101.2
137.5°	1182.1	1182.9	1182.5	1182.0	1181.5	1181.1	1180.4	1179.6	1178.7	1177.9	1177.1
140°	1229.9	1230.3	1230.3	1230.3	1230.3	1230.3	1229.9	1229.4	1228.8	1228.2	1227.6
142.5°	1275.4	1275.4	1275.7	1275.9	1276.1	1276.4	1276.2	1275.6	1275.1	1274.4	1273.8
145°	1344.3	1344.5	1344.3	1344.0	1343.6	1343.4	1342.6	1341.4	1340.2	1339.0	1337.8
147.5°	1406.4	1406.7	1406.9	1407.1	1407.4	1407.7	1407.0	1405.6	1404.2	1402.8	1401.3
150°	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1444.8	1443.6	1442.4	1441.2	1440.0
152.5°	1481.6	1480.9	1480.7	1480.4	1480.2	1480.0	1479.4	1478.7	1478.0	1477.3	1476.6
155°	1532.7	1531.4	1531.8	1532.0	1532.3	1532.7	1532.8	1532.8	1532.8	1532.8	1532.8
157.5°	1578.3	1577.4	1577.5	1577.5	1577.6	1577.7	1578.0	1578.5	1579.0	1579.6	1580.1
160°	1606.3	1605.4	1605.7	1606.0	1606.3	1606.6	1606.9	1607.2	1607.5	1607.8	1608.1
162.5°	1630.7	1629.1	1629.3	1629.7	1630.0	1630.2	1630.8	1631.6	1632.4	1633.2	1633.9
165°	1663.7	1661.9	1662.5	1663.0	1663.7	1664.3	1665.0	1665.9	1666.8	1667.7	1668.6
167.5°	1691.7	1689.9	1689.8	1689.7	1689.7	1689.6	1690.2	1691.5	1692.7	1694.0	1695.2
170°	1706.6	1704.9	1704.6	1704.3	1704.0	1703.7	1704.3	1705.8	1707.3	1708.8	1710.3
172.5°	1717.7	1715.7	1715.6	1715.6	1715.5	1715.4	1716.0	1717.3	1718.5	1719.8	1721.0
175°	1729.8	1727.8	1728.0	1728.3	1728.7	1728.9	1729.8	1731.3	1732.9	1734.3	1735.8
177.5°	1737.0	1735.3	1735.3	1735.3	1735.3	1735.3	1735.9	1737.1	1738.3	1739.5	1740.6
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	527.0	528.5	530.2	533.4	536.1	537.3	539.7	541.4	540.8	543.2	547.2
5°	529.1	534.8	541.4	548.0	555.6	562.0	567.0	572.1	576.1	580.9	588.2
7.5°	528.7	538.9	549.9	562.0	574.4	585.2	595.1	605.3	614.3	624.1	637.0
10°	527.4	540.9	554.6	570.4	586.3	601.3	614.7	627.4	639.4	652.3	668.6
12.5°	525.8	541.4	557.9	577.0	596.7	614.7	630.6	648.9	664.0	680.6	699.3
15°	519.2	540.0	562.7	587.3	611.0	635.3	656.9	679.3	700.3	720.1	743.7
17.5°	511.5	535.6	562.2	591.4	619.7	649.3	675.1	703.3	724.6	751.3	773.2
20°	505.2	531.2	559.6	592.4	624.6	657.4	685.9	714.6	738.6	765.4	793.3
22.5°	497.7	526.1	557.0	590.8	624.6	660.4	692.0	720.5	750.3	780.4	809.1
25°	485.4	515.0	547.7	584.8	623.7	660.1	693.9	729.3	761.4	794.2	819.9
27.5°	470.4	501.4	535.8	574.2	614.0	651.4	691.2	729.0	761.3	792.7	815.2
30°	458.3	491.1	524.2	563.0	604.4	644.5	687.2	725.0	758.9	787.2	799.9
32.5°	446.0	477.1	511.2	550.5	592.9	636.1	678.3	717.0	748.4	765.4	765.7
35°	424.6	453.7	489.2	527.8	571.3	618.1	660.9	698.9	718.2	719.6	698.9
37.5°	401.3	427.9	461.4	500.1	547.7	594.3	638.0	663.3	669.8	648.3	610.1
40°	384.5	409.2	441.5	481.2	528.4	576.6	616.4	635.0	628.3	593.4	550.8
42.5°	366.9	389.9	421.1	460.2	507.7	556.3	590.3	600.2	582.4	542.2	492.2
45°	338.3	359.4	390.2	429.7	475.3	520.8	546.6	541.5	511.8	464.0	408.1
47.5°	308.4	328.9	356.6	393.1	439.8	479.1	496.5	481.3	438.9	386.5	341.0
50°	288.7	309.6	335.1	370.0	412.6	450.6	461.7	438.5	391.5	341.1	299.3
52.5°	269.3	287.1	312.2	345.8	386.6	418.7	424.6	397.9	349.3	304.1	267.0
55°	239.8	256.0	277.1	308.7	344.0	371.2	368.0	333.7	289.5	250.9	221.8
57.5°	211.2	223.4	242.9	272.6	303.5	321.8	310.2	280.9	239.8	208.1	183.6
60°	192.3	203.7	221.8	247.7	275.0	285.3	275.6	243.8	211.2	182.4	161.7
62.5°	174.3	184.4	200.0	224.1	246.1	252.3	241.8	214.0	184.8	160.1	142.9
65°	148.4	157.7	170.9	188.1	203.2	206.2	199.5	170.9	148.8	128.1	116.3
67.5°	124.8	130.8	141.2	156.0	164.1	165.8	152.8	134.8	115.3	102.6	93.7
70°	108.9	113.2	122.8	130.8	137.4	137.6	125.6	111.2	96.2	85.9	79.4
72.5°	93.5	97.6	105.0	110.4	115.5	113.8	102.8	91.5	79.4	71.5	66.7
75°	72.1	75.8	79.5	82.1	82.1	80.0	72.0	63.5	56.5	51.9	50.5
77.5°	52.4	55.4	56.7	56.3	55.6	52.3	47.2	41.6	39.1	37.0	35.8
80°	41.2	42.4	42.8	41.8	40.5	36.7	33.3	31.0	28.7	27.8	27.5
82.5°	30.5	31.7	30.5	30.9	28.0	24.9	23.0	22.2	21.3	21.0	20.5
85°	16.2	16.1	15.6	14.5	12.7	12.2	12.0	11.9	11.4	11.6	11.1
87.5°	7.0	7.2	7.1	7.7	8.2	8.4	9.0	9.5	10.0	10.2	10.9
90°	7.3	10.6	13.9	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2
92.5°	32.5	36.3	40.0	43.9	46.5	48.2	49.9	51.5	53.2	54.3	55.4
95°	83.4	86.1	88.7	91.4	93.8	95.9	98.0	100.1	102.2	103.1	104.0
97.5°	143.0	145.2	147.4	149.5	151.9	154.3	156.7	159.2	161.6	162.6	163.8
100°	189.4	190.6	191.8	193.1	194.9	197.7	200.4	203.0	205.7	206.3	206.9
102.5°	238.2	238.7	239.2	239.6	241.1	243.5	246.0	248.4	250.9	251.7	252.5
105°	313.6	313.9	314.1	314.5	315.2	316.4	317.6	318.8	320.0	320.9	321.8
107.5°	393.0	393.3	393.7	394.0	394.3	394.5	394.7	394.8	395.0	395.8	396.7
110°	447.0	447.5	448.2	448.8	449.0	448.6	448.4	448.0	447.7	447.1	446.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	502.5	502.6	502.7	502.8	502.6	502.0	501.5	501.0	500.4	500.3	500.2
115°	586.2	586.2	586.2	586.2	585.9	585.3	584.7	584.2	583.5	583.3	582.9
117.5°	665.5	665.8	666.0	666.3	666.2	665.8	665.3	664.9	664.5	663.4	662.5
120°	719.2	720.4	721.6	722.7	722.9	722.0	721.1	720.2	719.3	717.8	716.3
122.5°	773.3	773.8	774.3	774.7	774.8	774.4	773.9	773.6	773.1	772.1	771.1
125°	853.8	853.8	853.8	853.8	853.6	853.4	853.0	852.7	852.5	851.9	851.2
127.5°	928.1	929.0	929.9	930.8	931.0	930.5	930.1	929.6	929.1	928.4	927.9
130°	979.7	980.6	981.5	982.4	982.8	982.8	982.8	982.8	982.8	982.3	981.7
132.5°	1032.2	1032.9	1033.5	1034.2	1034.4	1034.1	1033.9	1033.7	1033.4	1032.9	1032.2
135°	1103.0	1104.7	1106.6	1108.4	1109.3	1109.3	1109.3	1109.3	1109.3	1108.7	1108.0
137.5°	1177.9	1178.7	1179.6	1180.4	1181.1	1181.5	1182.0	1182.5	1182.9	1182.1	1181.4
140°	1228.2	1228.8	1229.4	1229.9	1230.3	1230.3	1230.3	1230.3	1230.3	1229.9	1229.7
142.5°	1274.4	1275.1	1275.6	1276.2	1276.4	1276.1	1275.9	1275.7	1275.4	1275.4	1275.3
145°	1339.0	1340.2	1341.4	1342.6	1343.4	1343.6	1344.0	1344.3	1344.5	1344.3	1344.0
147.5°	1402.8	1404.2	1405.6	1407.0	1407.7	1407.4	1407.1	1406.9	1406.7	1406.4	1406.2
150°	1441.2	1442.4	1443.6	1444.8	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4	1445.4
152.5°	1477.3	1478.0	1478.7	1479.4	1480.0	1480.2	1480.4	1480.7	1480.9	1481.6	1482.3
155°	1532.8	1532.8	1532.8	1532.8	1532.7	1532.3	1532.0	1531.8	1531.4	1532.7	1533.8
157.5°	1579.6	1579.0	1578.5	1578.0	1577.7	1577.6	1577.5	1577.5	1577.4	1578.3	1579.2
160°	1607.8	1607.5	1607.2	1606.9	1606.6	1606.3	1606.0	1605.7	1605.4	1606.3	1607.2
162.5°	1633.2	1632.4	1631.6	1630.8	1630.2	1630.0	1629.7	1629.3	1629.1	1630.7	1632.3
165°	1667.7	1666.8	1665.9	1665.0	1664.3	1663.7	1663.0	1662.5	1661.9	1663.7	1665.4
167.5°	1694.0	1692.7	1691.5	1690.2	1689.6	1689.7	1689.7	1689.8	1689.9	1691.7	1693.4
170°	1708.8	1707.3	1705.8	1704.3	1703.7	1704.0	1704.3	1704.6	1704.9	1706.6	1708.5
172.5°	1719.8	1718.5	1717.3	1716.0	1715.4	1715.5	1715.6	1715.6	1715.7	1717.7	1719.8
175°	1734.3	1732.9	1731.3	1729.8	1728.9	1728.7	1728.3	1728.0	1727.8	1729.8	1732.0
177.5°	1739.5	1738.3	1737.1	1735.9	1735.3	1735.3	1735.3	1735.3	1735.3	1737.0	1738.7
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	549.5	550.1	550.6	552.3	552.5	554.0	552.5
5°	594.9	597.9	602.5	607.2	607.6	610.6	605.3
7.5°	645.9	652.7	657.0	664.5	667.4	669.3	666.3
10°	681.0	687.3	698.6	704.0	709.5	710.3	707.8
12.5°	715.0	725.0	733.8	744.2	744.0	751.4	748.7
15°	760.2	770.5	782.7	794.3	798.5	798.5	801.9
17.5°	792.4	811.4	824.0	833.1	843.1	844.8	843.6
20°	814.2	834.6	848.2	860.0	866.7	868.6	868.6
22.5°	830.4	847.8	861.0	871.6	877.2	879.4	878.8
25°	841.6	856.6	864.6	867.8	869.2	868.9	864.9
27.5°	826.3	825.5	820.6	810.8	803.5	799.1	794.0
30°	796.9	785.9	773.2	759.3	741.4	727.6	723.4
32.5°	753.1	728.5	707.0	683.9	664.6	650.9	645.1
35°	668.6	629.5	597.6	569.8	549.6	536.9	532.6
37.5°	568.2	530.4	491.0	464.0	447.1	434.4	429.6
40°	504.4	463.2	428.8	403.5	386.2	373.7	373.5
42.5°	446.1	406.8	374.4	356.2	337.6	329.3	329.3
45°	365.3	333.9	306.4	292.0	280.9	274.1	272.2
47.5°	302.5	276.4	258.2	246.7	237.6	233.4	230.5
50°	267.2	244.4	229.8	219.9	214.8	209.4	208.9
52.5°	237.8	219.4	208.0	200.0	193.6	190.3	190.4
55°	199.8	185.3	177.3	171.1	166.1	163.5	162.5
57.5°	168.4	157.5	151.6	146.0	143.8	141.9	141.3
60°	148.8	141.4	135.9	131.4	128.3	127.7	127.4
62.5°	132.6	124.8	121.1	117.6	115.3	114.3	114.0
65°	109.3	103.6	100.2	97.5	96.7	95.1	95.0
67.5°	88.1	84.7	82.5	80.6	79.5	79.4	79.4
70°	75.2	73.2	71.3	70.3	69.6	69.2	69.2
72.5°	64.0	62.6	61.0	60.5	60.4	59.9	59.7
75°	48.8	47.3	47.5	46.5	45.6	44.5	43.9
77.5°	34.6	33.5	33.3	33.2	32.5	32.4	32.6
80°	26.8	25.8	25.5	25.8	25.5	24.9	24.9
82.5°	20.4	19.5	19.3	19.2	19.0	19.2	18.8
85°	11.0	10.5	10.5	10.5	11.0	10.8	10.5
87.5°	10.9	11.1	11.5	11.4	11.5	11.5	11.8
90°	35.0	36.7	38.0	38.5	39.1	39.8	40.3
92.5°	56.4	57.5	58.2	58.6	58.9	59.3	59.7
95°	104.9	105.8	106.2	106.2	106.2	106.2	106.2
97.5°	164.9	165.9	166.5	166.5	166.5	166.5	166.5
100°	207.5	208.1	208.4	208.4	208.4	208.4	208.4
102.5°	253.4	254.2	254.8	255.0	255.3	255.5	255.7
105°	322.7	323.6	324.5	325.4	326.3	327.2	328.1
107.5°	397.5	398.4	398.8	398.7	398.7	398.6	398.5
110°	445.9	445.3	445.5	446.4	447.3	448.2	449.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	500.1	500.0	500.0	500.2	500.3	500.5	500.7
115°	582.6	582.4	582.0	581.8	581.5	581.1	580.9
117.5°	661.5	660.4	659.6	659.0	658.4	657.8	657.2
120°	714.9	713.4	712.9	713.5	714.1	714.7	715.3
122.5°	770.1	769.1	768.0	767.0	765.9	764.8	763.8
125°	850.7	850.1	849.4	848.8	848.3	847.7	847.0
127.5°	927.3	926.7	926.1	925.7	925.2	924.7	924.3
130°	981.1	980.4	979.5	978.4	977.2	976.0	974.8
132.5°	1031.6	1031.0	1030.5	1030.0	1029.6	1029.0	1028.6
135°	1107.5	1106.9	1106.1	1105.2	1104.3	1103.4	1102.5
137.5°	1180.6	1179.8	1179.6	1179.7	1179.9	1180.1	1180.3
140°	1229.4	1229.0	1228.8	1228.5	1228.2	1227.9	1227.6
142.5°	1275.2	1275.2	1275.1	1275.1	1275.1	1275.0	1274.9
145°	1343.6	1343.4	1342.7	1341.8	1341.0	1340.1	1339.2
147.5°	1406.0	1405.7	1405.4	1405.2	1404.9	1404.5	1404.3
150°	1445.4	1445.4	1445.3	1444.9	1444.7	1444.4	1444.0
152.5°	1483.0	1483.7	1483.7	1482.9	1482.2	1481.4	1480.6
155°	1535.0	1536.2	1536.2	1535.0	1533.8	1532.7	1531.4
157.5°	1580.1	1581.0	1580.9	1579.9	1579.0	1577.9	1576.9
160°	1608.1	1609.0	1608.6	1607.2	1605.7	1604.2	1602.7
162.5°	1633.9	1635.5	1635.6	1634.1	1632.6	1631.1	1629.6
165°	1667.2	1669.0	1669.4	1668.1	1667.0	1665.7	1664.6
167.5°	1695.2	1697.0	1697.0	1695.1	1693.3	1691.4	1689.5
170°	1710.3	1712.1	1711.9	1709.9	1707.7	1705.7	1703.5
172.5°	1721.7	1723.8	1723.8	1721.6	1719.6	1717.4	1715.4
175°	1734.0	1736.2	1736.2	1734.0	1732.0	1729.8	1727.8
177.5°	1740.3	1742.0	1741.9	1739.9	1738.0	1736.2	1734.2
180°	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5	1738.5

(END OF REPORT)