

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: P332889

Luminaire Tested: **SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332889  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

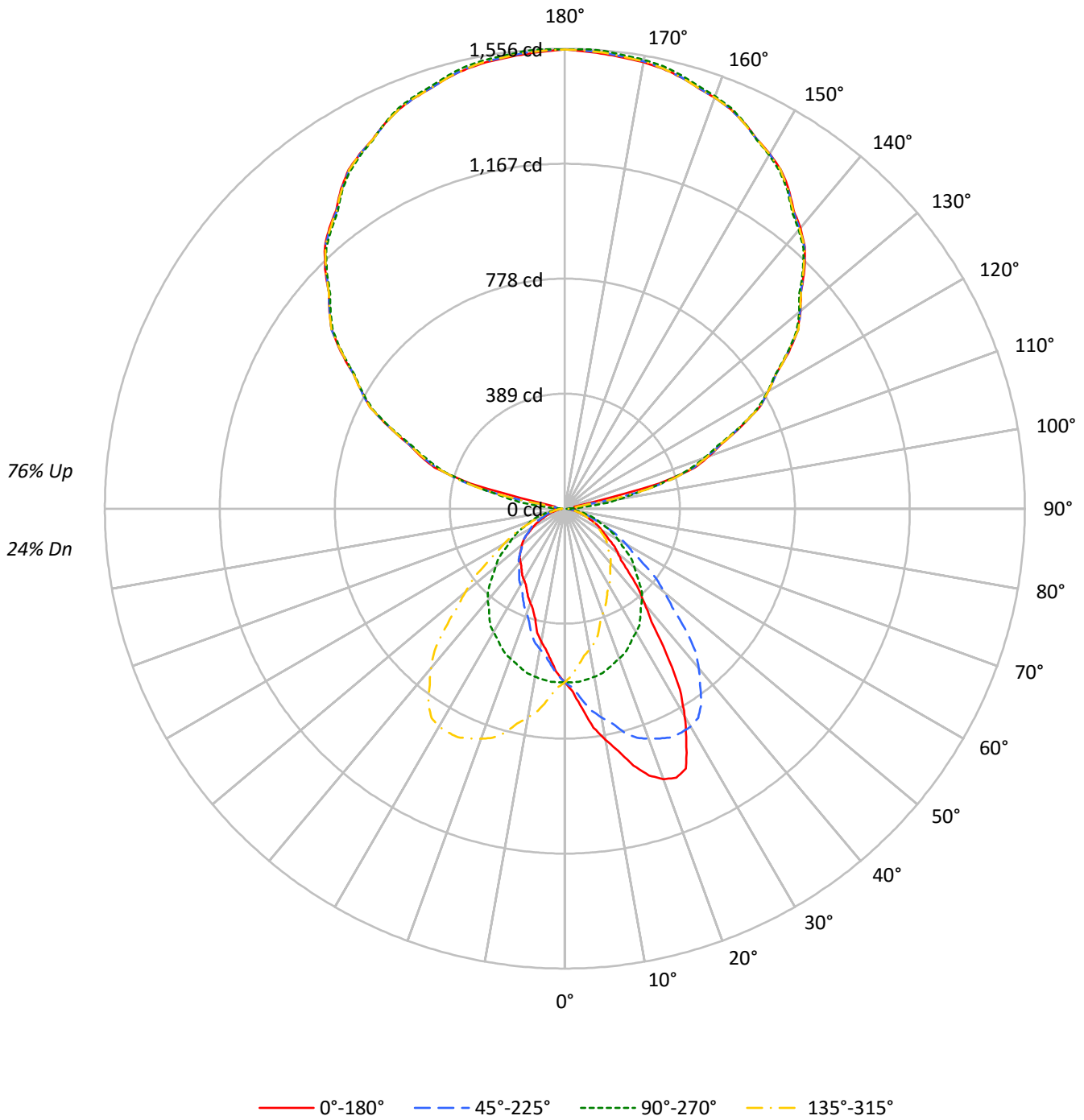
Lumens per Lamp: N/A  
Luminaire Lumens: 6294.9 lumens  
Efficiency: N/A  
Efficacy: 149.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 42.2  
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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24				24
1	92	88	84	81	82	78	75	73	60	58	57	44	43	41	28	28	27				20	
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	43	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	32	34	29	25	25	22	19	17	15	13				10	
7	55	43	35	30	48	39	32	28	30	26	22	23	19	17	15	13	12				9	
8	51	39	32	27	45	35	29	24	28	23	20	21	17	15	14	12	11				8	
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	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°	4742	4742	4742	4742
5°	5501	4756	4204	4756
10°	6507	4736	3752	4736
15°	7516	4692	3224	4692
20°	8369	4631	2916	4631
25°	8639	4572	2707	4572
30°	7563	4501	2581	4501
35°	5887	4394	2505	4394
40°	4415	4272	2464	4272
45°	3486	4077	2442	4077
50°	2943	3852	2372	3852
55°	2564	3605	2245	3605
60°	2307	3347	1988	3347
65°	2034	3070	1710	3070
70°	1832	2783	1541	2783
75°	1535	2464	1313	2464
80°	1297	2101	1232	2101
85°	1093	1649	1093	1649



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	0.9
10°-20°	171.7	2.7
20°-30°	268.5	4.3
30°-40°	298.5	4.7
40°-50°	264.9	4.2
50°-60°	206.4	3.3
60°-70°	135.1	2.1
70°-80°	66.4	1.1
80°-90°	20.9	0.3
90°-100°	53.1	0.8
100°-110°	338.8	5.4
110°-120°	648.1	10.3
120°-130°	822.7	13.1
130°-140°	880.2	14.0
140°-150°	823.1	13.1
150°-160°	663.8	10.5
160°-170°	428.1	6.8
170°-180°	147.6	2.3
0°-30°	497.1	7.9
0°-40°	795.6	12.6
0°-60°	1266.9	20.1
0°-90°	1489.3	23.7
90°-120°	1040.0	16.5
90°-150°	3566.1	56.7
90°-180°	4806.0	76.3
0°-180°	6294.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	587	587	587	587	587	
5°	679	587	519	587	679	69
15°	899	561	386	561	899	256
25°	970	513	304	513	970	430
35°	597	446	254	446	597	374
45°	305	357	214	357	305	242
55°	182	256	160	256	182	166
65°	106	161	90	161	106	107
75°	49	79	42	79	49	54
85°	12	18	12	18	12	14
90°	35	4	35	4	35	15
95°	34	64	34	64	34	27
105°	331	350	331	350	331	289
115°	658	653	658	653	658	651
125°	925	918	925	918	925	824
135°	1147	1139	1147	1139	1147	883
145°	1320	1313	1320	1313	1320	825
155°	1438	1440	1438	1440	1438	663
165°	1512	1519	1512	1519	1512	427
175°	1544	1554	1544	1554	1544	147
180°	1554	1554	1554	1554	1554	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	619.6	621.3	619.6	619.4	617.5	616.9	616.2	613.7	609.2	606.5	607.1
5°	678.8	684.7	681.4	680.9	675.7	670.5	667.2	659.6	651.5	646.1	641.6
7.5°	747.2	750.6	748.5	745.2	736.8	732.0	724.3	714.4	699.9	688.9	678.8
10°	793.8	796.6	795.7	789.5	783.4	770.8	763.7	749.8	731.5	717.1	703.6
12.5°	839.6	842.6	834.3	834.6	822.9	813.0	801.8	784.2	763.2	744.6	727.7
15°	899.3	895.5	895.5	890.8	877.8	864.1	852.5	834.0	807.5	785.3	761.8
17.5°	946.1	947.4	945.5	934.3	924.1	909.9	888.6	867.1	842.5	812.6	788.7
20°	974.1	974.1	972.0	964.4	951.2	936.0	913.1	889.6	858.4	828.3	801.4
22.5°	985.5	986.2	983.7	977.5	965.6	950.8	931.2	907.4	875.2	841.4	808.0
25°	969.9	974.4	974.8	973.2	969.6	960.6	943.8	919.5	890.6	853.9	817.9
27.5°	890.4	896.1	901.1	909.3	920.2	925.8	926.6	914.2	889.0	853.7	817.5
30°	811.3	816.0	831.4	851.5	867.1	881.3	893.7	897.0	882.8	851.1	813.0
32.5°	723.4	729.9	745.3	766.9	792.9	817.0	844.6	858.7	858.3	839.3	804.1
35°	597.3	602.1	616.3	639.0	670.2	706.0	749.8	783.8	807.0	805.4	783.8
37.5°	481.8	487.1	501.4	520.3	550.6	594.8	637.2	684.2	727.0	751.1	743.9
40°	418.9	419.1	433.1	452.5	480.9	519.5	565.6	617.7	665.5	704.6	712.1
42.5°	369.3	369.3	378.6	399.5	419.9	456.2	500.3	552.0	608.0	653.1	673.1
45°	305.3	307.4	315.0	327.5	343.6	374.4	409.7	457.7	520.4	573.9	607.3
47.5°	258.5	261.7	266.5	276.7	289.5	310.0	339.2	382.4	433.4	492.2	539.7
50°	234.3	234.8	240.9	246.6	257.7	274.1	299.6	335.6	382.5	439.0	491.8
52.5°	213.5	213.4	217.1	224.3	233.3	246.0	266.7	299.4	341.0	391.7	446.2
55°	182.2	183.4	186.3	191.9	198.8	207.8	224.1	248.7	281.4	324.7	374.2
57.5°	158.5	159.1	161.3	163.7	170.0	176.6	188.8	205.9	233.4	268.9	315.0
60°	142.9	143.2	143.9	147.4	152.4	158.6	166.9	181.3	204.5	236.9	273.4
62.5°	127.8	128.2	129.3	131.9	135.8	140.0	148.7	160.3	179.5	207.2	240.0
65°	106.5	106.7	108.4	109.3	112.4	116.2	122.6	130.4	143.7	166.9	191.7
67.5°	89.0	89.0	89.1	90.4	92.5	95.0	98.8	105.1	115.1	129.3	151.2
70°	77.6	77.6	78.1	78.8	80.0	82.1	84.3	89.0	96.3	107.9	124.7
72.5°	67.0	67.2	67.7	67.8	68.4	70.2	71.8	74.8	80.2	89.0	102.6
75°	49.2	49.9	51.1	52.1	53.3	53.0	54.7	56.6	58.2	63.4	71.2
77.5°	36.6	36.3	36.4	37.2	37.3	37.6	38.8	40.2	41.5	43.9	46.7
80°	27.9	27.9	28.6	28.9	28.6	28.9	30.1	30.8	31.2	32.2	34.8
82.5°	21.1	21.5	21.3	21.5	21.6	21.9	22.9	23.0	23.5	23.9	24.9
85°	11.8	12.1	12.3	11.8	11.8	11.8	12.3	12.5	13.0	12.8	13.3
87.5°	11.1	10.8	10.9	10.8	10.9	10.5	10.4	10.5	9.8	9.7	9.2
90°	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7	27.1	25.6	23.5
92.5°	32.1	32.0	31.9	31.8	31.7	30.8	29.3	27.7	26.2	24.6	22.6
95°	33.7	33.4	33.2	32.9	32.7	31.8	30.2	28.7	27.1	25.6	25.3
97.5°	32.5	32.3	32.0	31.8	31.5	31.3	31.1	31.0	30.8	30.7	59.5
100°	32.5	32.3	32.0	31.8	31.5	33.6	38.0	42.3	46.7	51.1	86.8
102.5°	33.5	33.4	33.4	33.3	33.3	56.9	104.3	151.6	199.0	246.3	251.0
105°	331.2	340.5	349.7	359.0	368.3	371.8	369.5	367.2	364.9	362.5	361.2
107.5°	461.5	460.5	459.6	458.6	457.6	456.5	455.4	454.3	453.1	452.0	450.2
110°	518.2	517.5	516.7	515.9	515.1	514.5	514.0	513.5	512.9	512.4	510.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	574.9	574.0	573.0	572.0	571.0	570.6	570.7	570.8	570.9	571.0	570.3
115°	657.7	657.7	657.7	657.7	657.7	657.4	656.9	656.4	655.9	655.3	655.6
117.5°	741.8	741.9	742.0	742.1	742.2	742.3	742.4	742.5	742.6	742.7	742.2
120°	794.8	795.3	795.8	796.3	796.8	796.8	796.3	795.8	795.3	794.8	795.0
122.5°	846.8	847.3	847.9	848.4	848.9	849.0	848.7	848.4	848.1	847.8	847.4
125°	924.9	924.7	924.4	924.1	923.9	923.4	922.6	921.8	921.0	920.3	920.8
127.5°	993.5	993.7	993.9	994.1	994.3	994.5	994.6	994.8	994.9	995.1	993.9
130°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.8	1039.6	1039.3	1039.0	1038.8	1038.0
132.5°	1082.7	1082.9	1083.1	1083.3	1083.5	1083.5	1083.3	1083.0	1082.7	1082.5	1081.5
135°	1146.8	1146.3	1145.8	1145.3	1144.8	1144.3	1143.7	1143.2	1142.7	1142.2	1141.2
137.5°	1201.7	1201.8	1202.0	1202.2	1202.3	1202.1	1201.5	1201.0	1200.4	1199.8	1198.7
140°	1239.8	1239.5	1239.3	1239.0	1238.8	1238.3	1237.5	1236.7	1235.9	1235.2	1234.6
142.5°	1271.4	1271.4	1271.3	1271.3	1271.2	1270.9	1270.3	1269.8	1269.2	1268.6	1268.3
145°	1320.0	1319.5	1318.9	1318.4	1317.9	1317.5	1317.3	1317.0	1316.8	1316.5	1316.5
147.5°	1360.2	1359.9	1359.7	1359.4	1359.1	1358.9	1358.7	1358.5	1358.3	1358.1	1358.3
150°	1386.2	1386.0	1385.7	1385.4	1385.2	1385.0	1385.0	1385.0	1385.0	1385.0	1385.3
152.5°	1408.5	1408.7	1408.8	1409.0	1409.1	1409.0	1408.6	1408.2	1407.8	1407.4	1407.8
155°	1438.5	1439.3	1440.0	1440.8	1441.6	1441.5	1440.4	1439.4	1438.4	1437.3	1438.1
157.5°	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0	1467.6	1466.3	1464.9	1463.6	1464.5
160°	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5	1485.0	1483.4	1481.9	1480.3	1480.6
162.5°	1493.3	1495.1	1496.9	1498.6	1500.4	1500.5	1498.9	1497.4	1495.8	1494.3	1494.5
165°	1511.7	1514.0	1516.3	1518.7	1521.0	1521.1	1519.1	1517.0	1514.9	1512.9	1512.9
167.5°	1525.4	1528.0	1530.6	1533.2	1535.7	1535.9	1533.6	1531.4	1529.1	1526.8	1527.0
170°	1533.8	1536.4	1538.9	1541.5	1544.1	1544.4	1542.3	1540.2	1538.2	1536.1	1535.8
172.5°	1538.4	1541.2	1544.0	1546.8	1549.6	1549.9	1547.9	1545.8	1543.7	1541.7	1541.4
175°	1544.2	1547.3	1550.4	1553.5	1556.6	1557.0	1554.7	1552.4	1550.0	1547.7	1547.5
177.5°	1548.0	1550.4	1552.9	1555.4	1557.9	1558.3	1556.6	1555.0	1553.3	1551.7	1551.3
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	605.2	602.6	601.2	598.2	594.6	592.7	591.0	588.5	585.3	581.9	579.5
5°	635.9	630.2	623.1	614.6	607.1	599.7	593.3	586.9	579.6	572.0	564.5
7.5°	667.4	656.3	644.2	630.2	616.7	604.3	592.9	582.1	569.8	558.7	548.7
10°	689.4	674.3	657.5	639.7	622.0	606.6	591.4	577.7	562.6	549.1	537.7
12.5°	707.2	689.4	669.2	647.1	625.7	607.1	589.7	571.8	554.6	540.0	524.8
15°	736.7	712.4	685.2	658.6	631.0	605.6	582.2	561.4	541.7	521.1	506.7
17.5°	757.1	728.1	695.0	663.2	630.5	600.6	573.6	548.8	526.1	505.1	487.9
20°	769.2	737.2	700.5	664.3	627.6	595.7	566.6	539.1	515.7	493.0	475.2
22.5°	776.0	740.6	700.5	662.6	624.6	590.0	558.1	529.5	504.0	481.2	461.6
25°	778.2	740.3	699.4	655.8	614.2	577.5	544.3	513.3	484.9	462.2	441.4
27.5°	775.1	730.5	688.6	643.9	600.9	562.3	527.5	494.9	466.5	442.1	420.7
30°	770.6	722.8	677.8	631.4	587.9	550.7	514.0	482.8	453.2	427.9	406.4
32.5°	760.7	713.3	664.9	617.4	573.3	535.0	500.2	468.8	439.8	413.9	391.0
35°	741.2	693.2	640.7	591.9	548.6	508.8	476.2	445.9	418.2	390.5	366.4
37.5°	715.5	666.5	614.2	560.8	517.4	479.9	450.0	421.5	394.5	369.2	342.5
40°	691.3	646.6	592.6	539.6	495.1	458.9	431.2	405.4	378.2	353.1	326.4
42.5°	662.0	623.9	569.3	516.1	472.2	437.3	411.5	386.3	361.5	337.2	309.3
45°	613.0	584.1	533.0	481.9	437.6	403.0	379.4	357.1	335.4	312.2	285.9
47.5°	556.8	537.3	493.2	440.8	399.9	368.8	345.9	327.7	309.3	286.1	263.1
50°	517.8	505.3	462.7	414.9	375.8	347.2	323.8	306.7	291.3	269.1	248.5
52.5°	476.2	469.5	433.5	387.8	350.1	322.0	302.0	286.7	271.1	252.6	233.4
55°	412.7	416.3	385.8	346.2	310.7	287.1	268.9	256.1	242.8	227.2	212.3
57.5°	347.9	360.9	340.4	305.7	272.4	250.5	236.8	226.1	214.9	202.0	189.2
60°	309.1	320.0	308.4	277.8	248.7	228.4	215.6	207.3	196.2	184.4	174.7
62.5°	271.2	282.9	276.0	251.3	224.3	206.8	195.5	187.8	179.5	169.2	159.1
65°	223.7	231.2	227.9	210.9	191.7	176.8	166.4	160.7	153.1	145.6	136.6
67.5°	171.3	185.9	184.0	174.9	158.4	146.7	139.9	134.9	128.0	122.4	116.3
70°	140.8	154.3	154.1	146.7	137.7	126.9	122.1	117.9	111.7	106.3	101.3
72.5°	115.3	127.6	129.5	123.8	117.7	109.4	104.9	102.0	96.0	92.3	88.2
75°	80.7	89.7	92.1	92.1	89.2	85.0	80.9	79.0	74.8	71.5	69.1
77.5°	52.9	58.6	62.3	63.1	63.6	62.1	58.8	57.5	54.2	53.1	50.8
80°	37.4	41.2	45.4	46.9	48.0	47.6	46.2	45.2	42.1	40.9	40.0
82.5°	25.8	27.9	31.4	34.6	34.2	35.5	34.2	33.5	31.1	30.7	29.8
85°	13.5	13.7	14.2	16.3	17.5	18.0	18.2	17.8	17.0	17.0	15.4
87.5°	8.8	8.2	8.2	7.7	7.3	7.5	7.5	7.1	7.1	7.1	7.1
90°	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5	6.3	9.2	12.0
92.5°	20.5	18.4	16.4	15.3	15.1	15.0	14.8	14.6	14.8	15.0	15.1
95°	25.0	24.8	24.5	28.8	37.6	46.3	55.1	63.9	55.1	46.3	37.6
97.5°	88.3	117.1	145.9	157.6	152.1	146.7	141.2	135.7	141.2	146.7	152.1
100°	122.4	158.0	193.7	209.2	204.5	199.9	195.2	190.6	195.2	199.9	204.5
102.5°	255.6	260.3	264.9	265.5	262.1	258.7	255.3	251.9	255.3	258.7	262.1
105°	359.9	358.7	357.4	355.9	354.4	352.8	351.3	349.7	351.3	352.8	354.4
107.5°	448.5	446.7	445.0	443.7	442.9	442.2	441.4	440.6	441.4	442.2	442.9
110°	509.3	507.8	506.2	505.1	504.3	503.5	502.7	502.0	502.7	503.5	504.3





TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	569.5	568.8	568.1	567.0	565.6	564.2	562.9	561.5	562.9	564.2	565.6
115°	655.9	656.1	656.4	656.1	655.3	654.6	653.8	653.0	653.8	654.6	655.3
117.5°	741.6	741.0	740.4	739.6	738.6	737.6	736.5	735.5	736.5	737.6	738.6
120°	795.3	795.6	795.8	795.4	794.4	793.4	792.3	791.3	792.3	793.4	794.4
122.5°	847.0	846.7	846.3	845.8	845.2	844.6	844.0	843.3	844.0	844.6	845.2
125°	921.3	921.8	922.3	922.1	921.0	920.0	919.0	917.9	919.0	920.0	921.0
127.5°	992.7	991.5	990.3	989.6	989.4	989.1	988.8	988.6	988.8	989.1	989.4
130°	1037.2	1036.5	1035.7	1035.2	1034.9	1034.7	1034.4	1034.1	1034.4	1034.7	1034.9
132.5°	1080.5	1079.5	1078.6	1077.8	1077.4	1076.9	1076.4	1076.0	1076.4	1076.9	1077.4
135°	1140.1	1139.1	1138.1	1137.7	1137.9	1138.2	1138.5	1138.7	1138.5	1138.2	1137.9
137.5°	1197.6	1196.4	1195.3	1194.7	1194.6	1194.5	1194.4	1194.3	1194.4	1194.5	1194.6
140°	1234.1	1233.6	1233.1	1232.6	1232.1	1231.5	1231.0	1230.5	1231.0	1231.5	1232.1
142.5°	1268.0	1267.7	1267.4	1266.8	1265.8	1264.9	1264.0	1263.0	1264.0	1264.9	1265.8
145°	1316.5	1316.5	1316.5	1316.1	1315.3	1314.6	1313.8	1313.0	1313.8	1314.6	1315.3
147.5°	1358.6	1358.9	1359.1	1358.5	1357.1	1355.6	1354.2	1352.7	1354.2	1355.6	1357.1
150°	1385.6	1385.8	1386.1	1385.7	1384.7	1383.6	1382.6	1381.6	1382.6	1383.6	1384.7
152.5°	1408.3	1408.8	1409.2	1409.0	1408.2	1407.4	1406.6	1405.7	1406.6	1407.4	1408.2
155°	1438.9	1439.7	1440.4	1440.7	1440.4	1440.2	1439.9	1439.7	1439.9	1440.2	1440.4
157.5°	1465.4	1466.2	1467.1	1467.6	1467.8	1467.9	1468.1	1468.2	1468.1	1467.9	1467.8
160°	1480.8	1481.1	1481.4	1481.9	1482.7	1483.4	1484.2	1485.0	1484.2	1483.4	1482.7
162.5°	1494.8	1495.0	1495.3	1495.9	1496.9	1497.9	1498.9	1499.8	1498.9	1497.9	1496.9
165°	1512.9	1512.9	1512.9	1513.5	1514.8	1516.1	1517.4	1518.7	1517.4	1516.1	1514.8
167.5°	1527.1	1527.3	1527.4	1528.2	1529.5	1530.9	1532.2	1533.5	1532.2	1530.9	1529.5
170°	1535.6	1535.3	1535.1	1535.7	1537.3	1538.8	1540.4	1541.9	1540.4	1538.8	1537.3
172.5°	1541.2	1540.9	1540.6	1541.3	1542.8	1544.4	1545.9	1547.5	1545.9	1544.4	1542.8
175°	1547.2	1546.9	1546.7	1547.3	1548.9	1550.4	1552.0	1553.5	1552.0	1550.4	1548.9
177.5°	1550.8	1550.4	1550.0	1550.5	1552.0	1553.4	1554.9	1556.3	1554.9	1553.4	1552.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	576.8	574.9	572.5	569.6	566.2	563.2	561.8	563.0	563.6	562.0	561.8
5°	559.2	553.3	548.6	541.5	535.8	531.1	527.8	526.3	526.8	523.0	522.1
7.5°	539.5	532.5	524.7	516.3	508.5	501.5	497.9	495.9	491.8	490.1	487.2
10°	526.8	517.4	509.8	499.8	490.8	482.6	478.5	475.2	471.2	469.3	465.3
12.5°	513.8	502.8	494.4	484.1	474.9	465.0	461.1	455.0	448.7	444.7	439.5
15°	495.3	482.1	471.9	459.6	448.7	437.4	427.2	415.8	411.6	402.6	397.4
17.5°	473.8	460.4	447.8	431.3	414.5	400.3	389.5	378.6	372.1	366.4	363.7
20°	459.6	447.3	429.8	410.6	391.9	376.3	367.5	360.4	353.3	349.3	346.5
22.5°	446.2	430.4	410.1	389.4	370.7	358.5	351.1	343.8	338.0	334.2	330.4
25°	423.6	403.0	381.5	357.8	345.1	334.4	326.4	320.4	316.9	311.9	310.0
27.5°	400.5	375.5	351.8	335.9	322.6	312.8	305.8	301.4	296.9	293.7	291.2
30°	382.7	357.4	336.1	320.9	307.4	299.4	293.7	288.5	284.9	282.3	280.5
32.5°	365.1	339.8	321.9	305.6	294.9	287.1	281.0	277.1	274.3	271.0	269.8
35°	339.6	317.1	301.5	286.8	276.0	268.9	264.1	260.1	257.7	256.8	256.1
37.5°	315.1	296.7	279.9	267.9	258.2	252.6	247.0	245.0	243.4	241.7	242.5
40°	299.6	282.3	267.4	254.7	246.8	240.7	237.4	235.0	233.6	233.6	233.6
42.5°	286.2	269.3	254.7	243.3	235.5	230.3	226.6	224.6	224.1	223.9	225.1
45°	265.3	249.7	235.0	225.5	218.9	213.7	211.6	209.9	209.9	210.9	211.1
47.5°	244.6	230.0	218.2	207.6	201.5	198.3	196.4	195.6	195.7	196.6	197.7
50°	231.9	217.5	205.9	196.4	190.8	187.7	186.0	185.5	186.0	186.0	187.7
52.5°	218.1	205.2	193.8	185.8	179.4	176.5	175.6	174.9	175.2	176.0	176.7
55°	197.9	186.3	175.4	167.8	163.1	161.2	159.0	159.3	158.8	159.3	159.3
57.5°	177.5	167.1	157.0	151.0	146.8	144.1	141.8	142.4	141.7	141.6	141.2
60°	164.5	153.1	145.1	139.6	134.9	132.5	130.4	130.9	130.2	129.7	128.7
62.5°	150.3	140.8	133.1	127.9	124.1	121.4	119.2	118.8	117.1	115.5	113.4
65°	129.7	121.9	115.0	110.1	106.5	104.4	102.7	101.3	97.7	94.0	92.1
67.5°	109.7	104.0	97.6	93.4	90.5	87.8	84.6	82.2	78.9	76.8	75.6
70°	96.8	91.4	85.9	81.9	78.8	76.2	72.7	71.0	68.6	67.7	66.5
72.5°	84.5	79.4	74.4	70.7	67.5	65.4	62.6	61.0	59.9	59.5	58.4
75°	65.8	61.8	58.0	54.7	52.1	50.6	49.5	48.3	47.8	45.7	44.5
77.5°	48.0	45.3	43.0	40.6	38.8	37.8	35.5	34.2	33.4	32.4	32.1
80°	37.4	35.5	33.1	31.7	29.1	28.2	27.2	27.0	26.7	26.5	26.3
82.5°	28.1	26.2	23.9	23.0	22.3	21.7	21.2	20.9	20.7	20.8	20.8
85°	14.2	13.3	13.3	13.0	12.8	12.5	12.3	12.3	12.1	12.3	12.1
87.5°	7.7	8.0	8.4	8.5	9.1	9.5	9.6	9.9	10.4	10.3	10.5
90°	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7	30.2	31.8	32.8
92.5°	15.3	16.4	18.4	20.5	22.6	24.6	26.2	27.7	29.3	30.8	31.7
95°	28.8	24.5	24.8	25.0	25.3	25.6	27.1	28.7	30.2	31.8	32.7
97.5°	157.6	145.9	117.1	88.3	59.5	30.7	30.8	31.0	31.1	31.3	31.5
100°	209.2	193.7	158.0	122.4	86.8	51.1	46.7	42.3	38.0	33.6	31.5
102.5°	265.5	264.9	260.3	255.6	251.0	246.3	199.0	151.6	104.3	56.9	33.3
105°	355.9	357.4	358.7	359.9	361.2	362.5	364.9	367.2	369.5	371.8	368.3
107.5°	443.7	445.0	446.7	448.5	450.2	452.0	453.1	454.3	455.4	456.5	457.6
110°	505.1	506.2	507.8	509.3	510.9	512.4	512.9	513.5	514.0	514.5	515.1



TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	567.0	568.1	568.8	569.5	570.3	571.0	570.9	570.8	570.7	570.6	571.0
115°	656.1	656.4	656.1	655.9	655.6	655.3	655.9	656.4	656.9	657.4	657.7
117.5°	739.6	740.4	741.0	741.6	742.2	742.7	742.6	742.5	742.4	742.3	742.2
120°	795.4	795.8	795.6	795.3	795.0	794.8	795.3	795.8	796.3	796.8	796.8
122.5°	845.8	846.3	846.7	847.0	847.4	847.8	848.1	848.4	848.7	849.0	848.9
125°	922.1	922.3	921.8	921.3	920.8	920.3	921.0	921.8	922.6	923.4	923.9
127.5°	989.6	990.3	991.5	992.7	993.9	995.1	994.9	994.8	994.6	994.5	994.3
130°	1035.2	1035.7	1036.5	1037.2	1038.0	1038.8	1039.0	1039.3	1039.6	1039.8	1039.9
132.5°	1077.8	1078.6	1079.5	1080.5	1081.5	1082.5	1082.7	1083.0	1083.3	1083.5	1083.5
135°	1137.7	1138.1	1139.1	1140.1	1141.2	1142.2	1142.7	1143.2	1143.7	1144.3	1144.8
137.5°	1194.7	1195.3	1196.4	1197.6	1198.7	1199.8	1200.4	1201.0	1201.5	1202.1	1202.3
140°	1232.6	1233.1	1233.6	1234.1	1234.6	1235.2	1235.9	1236.7	1237.5	1238.3	1238.8
142.5°	1266.8	1267.4	1267.7	1268.0	1268.3	1268.6	1269.2	1269.8	1270.3	1270.9	1271.2
145°	1316.1	1316.5	1316.5	1316.5	1316.5	1316.5	1316.8	1317.0	1317.3	1317.5	1317.9
147.5°	1358.5	1359.1	1358.9	1358.6	1358.3	1358.1	1358.3	1358.5	1358.7	1358.9	1359.1
150°	1385.7	1386.1	1385.8	1385.6	1385.3	1385.0	1385.0	1385.0	1385.0	1385.0	1385.2
152.5°	1409.0	1409.2	1408.8	1408.3	1407.8	1407.4	1407.8	1408.2	1408.6	1409.0	1409.1
155°	1440.7	1440.4	1439.7	1438.9	1438.1	1437.3	1438.4	1439.4	1440.4	1441.5	1441.6
157.5°	1467.6	1467.1	1466.2	1465.4	1464.5	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0
160°	1481.9	1481.4	1481.1	1480.8	1480.6	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5
162.5°	1495.9	1495.3	1495.0	1494.8	1494.5	1494.3	1495.8	1497.4	1498.9	1500.5	1500.4
165°	1513.5	1512.9	1512.9	1512.9	1512.9	1512.9	1514.9	1517.0	1519.1	1521.1	1521.0
167.5°	1528.2	1527.4	1527.3	1527.1	1527.0	1526.8	1529.1	1531.4	1533.6	1535.9	1535.7
170°	1535.7	1535.1	1535.3	1535.6	1535.8	1536.1	1538.2	1540.2	1542.3	1544.4	1544.1
172.5°	1541.3	1540.6	1540.9	1541.2	1541.4	1541.7	1543.7	1545.8	1547.9	1549.9	1549.6
175°	1547.3	1546.7	1546.9	1547.2	1547.5	1547.7	1550.0	1552.4	1554.7	1557.0	1556.6
177.5°	1550.5	1550.0	1550.4	1550.8	1551.3	1551.7	1553.3	1555.0	1556.6	1558.3	1557.9
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	560.7	561.1	559.8	559.4	559.8	561.1	560.7	561.8	562.0	563.6	563.0
5°	520.2	519.7	518.5	518.8	518.5	519.7	520.2	522.1	523.0	526.8	526.3
7.5°	485.5	483.7	484.2	482.3	484.2	483.7	485.5	487.2	490.1	491.8	495.9
10°	464.3	461.7	459.6	457.7	459.6	461.7	464.3	465.3	469.3	471.2	475.2
12.5°	435.4	433.1	430.3	430.8	430.3	433.1	435.4	439.5	444.7	448.7	455.0
15°	394.3	390.7	385.1	385.8	385.1	390.7	394.3	397.4	402.6	411.6	415.8
17.5°	359.5	359.5	356.9	357.6	356.9	359.5	359.5	363.7	366.4	372.1	378.6
20°	341.5	339.9	340.1	339.4	340.1	339.9	341.5	346.5	349.3	353.3	360.4
22.5°	329.0	327.0	325.3	323.9	325.3	327.0	329.0	330.4	334.2	338.0	343.8
25°	307.9	306.5	304.4	303.9	304.4	306.5	307.9	310.0	311.9	316.9	320.4
27.5°	289.3	289.1	288.2	287.1	288.2	289.1	289.3	291.2	293.7	296.9	301.4
30°	278.6	278.1	277.6	276.9	277.6	278.1	278.6	280.5	282.3	284.9	288.5
32.5°	268.9	268.6	268.1	268.2	268.1	268.6	268.9	269.8	271.0	274.3	277.1
35°	255.1	254.9	254.4	254.2	254.4	254.9	255.1	256.1	256.8	257.7	260.1
37.5°	242.3	242.9	242.6	242.5	242.6	242.9	242.3	242.5	241.7	243.4	245.0
40°	233.4	233.6	234.1	233.8	234.1	233.6	233.4	233.6	233.6	233.6	235.0
42.5°	226.0	226.0	226.7	225.9	226.7	226.0	226.0	225.1	223.9	224.1	224.6
45°	212.8	214.2	213.9	213.9	213.9	214.2	212.8	211.1	210.9	209.9	209.9
47.5°	198.3	199.6	199.9	199.8	199.9	199.6	198.3	197.7	196.6	195.7	195.6
50°	188.9	188.4	189.1	188.9	189.1	188.4	188.9	187.7	186.0	186.0	185.5
52.5°	177.3	177.4	177.4	177.1	177.4	177.4	177.3	176.7	176.0	175.2	174.9
55°	159.5	159.8	159.3	159.5	159.3	159.8	159.5	159.3	159.3	158.8	159.3
57.5°	140.2	139.1	139.5	139.0	139.5	139.1	140.2	141.2	141.6	141.7	142.4
60°	126.4	124.5	124.0	123.1	124.0	124.5	126.4	128.7	129.7	130.2	130.9
62.5°	110.9	109.5	107.9	108.7	107.9	109.5	110.9	113.4	115.5	117.1	118.8
65°	90.2	89.2	88.5	89.5	88.5	89.2	90.2	92.1	94.0	97.7	101.3
67.5°	74.6	74.1	74.1	73.7	74.1	74.1	74.6	75.6	76.8	78.9	82.2
70°	66.5	65.8	65.8	65.3	65.8	65.8	66.5	66.5	67.7	68.6	71.0
72.5°	58.2	57.5	57.7	57.4	57.7	57.5	58.2	58.4	59.5	59.9	61.0
75°	43.1	41.9	41.9	42.1	41.9	41.9	43.1	44.5	45.7	47.8	48.3
77.5°	32.1	31.9	32.2	31.8	32.2	31.9	32.1	32.1	32.4	33.4	34.2
80°	26.3	26.0	25.8	26.5	25.8	26.0	26.3	26.3	26.5	26.7	27.0
82.5°	20.4	20.4	20.3	21.2	20.3	20.4	20.4	20.8	20.8	20.7	20.9
85°	12.3	11.8	12.3	11.8	12.3	11.8	12.3	12.1	12.3	12.1	12.3
87.5°	11.0	10.9	10.8	11.1	10.8	10.9	11.0	10.5	10.3	10.4	9.9
90°	33.3	33.8	34.3	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7
92.5°	31.8	31.9	32.0	32.1	32.0	31.9	31.8	31.7	30.8	29.3	27.7
95°	32.9	33.2	33.4	33.7	33.4	33.2	32.9	32.7	31.8	30.2	28.7
97.5°	31.8	32.0	32.3	32.5	32.3	32.0	31.8	31.5	31.3	31.1	31.0
100°	31.8	32.0	32.3	32.5	32.3	32.0	31.8	31.5	33.6	38.0	42.3
102.5°	33.3	33.4	33.4	33.5	33.4	33.4	33.3	33.3	56.9	104.3	151.6
105°	359.0	349.7	340.5	331.2	340.5	349.7	359.0	368.3	371.8	369.5	367.2
107.5°	458.6	459.6	460.5	461.5	460.5	459.6	458.6	457.6	456.5	455.4	454.3
110°	515.9	516.7	517.5	518.2	517.5	516.7	515.9	515.1	514.5	514.0	513.5



TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	572.0	573.0	574.0	574.9	574.0	573.0	572.0	571.0	570.6	570.7	570.8
115°	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.4	656.9	656.4
117.5°	742.1	742.0	741.9	741.8	741.9	742.0	742.1	742.2	742.3	742.4	742.5
120°	796.3	795.8	795.3	794.8	795.3	795.8	796.3	796.8	796.8	796.3	795.8
122.5°	848.4	847.9	847.3	846.8	847.3	847.9	848.4	848.9	849.0	848.7	848.4
125°	924.1	924.4	924.7	924.9	924.7	924.4	924.1	923.9	923.4	922.6	921.8
127.5°	994.1	993.9	993.7	993.5	993.7	993.9	994.1	994.3	994.5	994.6	994.8
130°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.8	1039.6	1039.3
132.5°	1083.3	1083.1	1082.9	1082.7	1082.9	1083.1	1083.3	1083.5	1083.5	1083.3	1083.0
135°	1145.3	1145.8	1146.3	1146.8	1146.3	1145.8	1145.3	1144.8	1144.3	1143.7	1143.2
137.5°	1202.2	1202.0	1201.8	1201.7	1201.8	1202.0	1202.2	1202.3	1202.1	1201.5	1201.0
140°	1239.0	1239.3	1239.5	1239.8	1239.5	1239.3	1239.0	1238.8	1238.3	1237.5	1236.7
142.5°	1271.3	1271.3	1271.4	1271.4	1271.4	1271.3	1271.3	1271.2	1270.9	1270.3	1269.8
145°	1318.4	1318.9	1319.5	1320.0	1319.5	1318.9	1318.4	1317.9	1317.5	1317.3	1317.0
147.5°	1359.4	1359.7	1359.9	1360.2	1359.9	1359.7	1359.4	1359.1	1358.9	1358.7	1358.5
150°	1385.4	1385.7	1386.0	1386.2	1386.0	1385.7	1385.4	1385.2	1385.0	1385.0	1385.0
152.5°	1409.0	1408.8	1408.7	1408.5	1408.7	1408.8	1409.0	1409.1	1409.0	1408.6	1408.2
155°	1440.8	1440.0	1439.3	1438.5	1439.3	1440.0	1440.8	1441.6	1441.5	1440.4	1439.4
157.5°	1467.6	1466.3	1464.9	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0	1467.6	1466.3
160°	1485.0	1483.4	1481.9	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5	1485.0	1483.4
162.5°	1498.6	1496.9	1495.1	1493.3	1495.1	1496.9	1498.6	1500.4	1500.5	1498.9	1497.4
165°	1518.7	1516.3	1514.0	1511.7	1514.0	1516.3	1518.7	1521.0	1521.1	1519.1	1517.0
167.5°	1533.2	1530.6	1528.0	1525.4	1528.0	1530.6	1533.2	1535.7	1535.9	1533.6	1531.4
170°	1541.5	1538.9	1536.4	1533.8	1536.4	1538.9	1541.5	1544.1	1544.4	1542.3	1540.2
172.5°	1546.8	1544.0	1541.2	1538.4	1541.2	1544.0	1546.8	1549.6	1549.9	1547.9	1545.8
175°	1553.5	1550.4	1547.3	1544.2	1547.3	1550.4	1553.5	1556.6	1557.0	1554.7	1552.4
177.5°	1555.4	1552.9	1550.4	1548.0	1550.4	1552.9	1555.4	1557.9	1558.3	1556.6	1555.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	561.8	563.2	566.2	569.6	572.5	574.9	576.8	579.5	581.9	585.3	588.5
5°	527.8	531.1	535.8	541.5	548.6	553.3	559.2	564.5	572.0	579.6	586.9
7.5°	497.9	501.5	508.5	516.3	524.7	532.5	539.5	548.7	558.7	569.8	582.1
10°	478.5	482.6	490.8	499.8	509.8	517.4	526.8	537.7	549.1	562.6	577.7
12.5°	461.1	465.0	474.9	484.1	494.4	502.8	513.8	524.8	540.0	554.6	571.8
15°	427.2	437.4	448.7	459.6	471.9	482.1	495.3	506.7	521.1	541.7	561.4
17.5°	389.5	400.3	414.5	431.3	447.8	460.4	473.8	487.9	505.1	526.1	548.8
20°	367.5	376.3	391.9	410.6	429.8	447.3	459.6	475.2	493.0	515.7	539.1
22.5°	351.1	358.5	370.7	389.4	410.1	430.4	446.2	461.6	481.2	504.0	529.5
25°	326.4	334.4	345.1	357.8	381.5	403.0	423.6	441.4	462.2	484.9	513.3
27.5°	305.8	312.8	322.6	335.9	351.8	375.5	400.5	420.7	442.1	466.5	494.9
30°	293.7	299.4	307.4	320.9	336.1	357.4	382.7	406.4	427.9	453.2	482.8
32.5°	281.0	287.1	294.9	305.6	321.9	339.8	365.1	391.0	413.9	439.8	468.8
35°	264.1	268.9	276.0	286.8	301.5	317.1	339.6	366.4	390.5	418.2	445.9
37.5°	247.0	252.6	258.2	267.9	279.9	296.7	315.1	342.5	369.2	394.5	421.5
40°	237.4	240.7	246.8	254.7	267.4	282.3	299.6	326.4	353.1	378.2	405.4
42.5°	226.6	230.3	235.5	243.3	254.7	269.3	286.2	309.3	337.2	361.5	386.3
45°	211.6	213.7	218.9	225.5	235.0	249.7	265.3	285.9	312.2	335.4	357.1
47.5°	196.4	198.3	201.5	207.6	218.2	230.0	244.6	263.1	286.1	309.3	327.7
50°	186.0	187.7	190.8	196.4	205.9	217.5	231.9	248.5	269.1	291.3	306.7
52.5°	175.6	176.5	179.4	185.8	193.8	205.2	218.1	233.4	252.6	271.1	286.7
55°	159.0	161.2	163.1	167.8	175.4	186.3	197.9	212.3	227.2	242.8	256.1
57.5°	141.8	144.1	146.8	151.0	157.0	167.1	177.5	189.2	202.0	214.9	226.1
60°	130.4	132.5	134.9	139.6	145.1	153.1	164.5	174.7	184.4	196.2	207.3
62.5°	119.2	121.4	124.1	127.9	133.1	140.8	150.3	159.1	169.2	179.5	187.8
65°	102.7	104.4	106.5	110.1	115.0	121.9	129.7	136.6	145.6	153.1	160.7
67.5°	84.6	87.8	90.5	93.4	97.6	104.0	109.7	116.3	122.4	128.0	134.9
70°	72.7	76.2	78.8	81.9	85.9	91.4	96.8	101.3	106.3	111.7	117.9
72.5°	62.6	65.4	67.5	70.7	74.4	79.4	84.5	88.2	92.3	96.0	102.0
75°	49.5	50.6	52.1	54.7	58.0	61.8	65.8	69.1	71.5	74.8	79.0
77.5°	35.5	37.8	38.8	40.6	43.0	45.3	48.0	50.8	53.1	54.2	57.5
80°	27.2	28.2	29.1	31.7	33.1	35.5	37.4	40.0	40.9	42.1	45.2
82.5°	21.2	21.7	22.3	23.0	23.9	26.2	28.1	29.8	30.7	31.1	33.5
85°	12.3	12.5	12.8	13.0	13.3	13.3	14.2	15.4	17.0	17.0	17.8
87.5°	9.6	9.5	9.1	8.5	8.4	8.0	7.7	7.1	7.1	7.1	7.1
90°	27.1	25.6	23.5	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5
92.5°	26.2	24.6	22.6	20.5	18.4	16.4	15.3	15.1	15.0	14.8	14.6
95°	27.1	25.6	25.3	25.0	24.8	24.5	28.8	37.6	46.3	55.1	63.9
97.5°	30.8	30.7	59.5	88.3	117.1	145.9	157.6	152.1	146.7	141.2	135.7
100°	46.7	51.1	86.8	122.4	158.0	193.7	209.2	204.5	199.9	195.2	190.6
102.5°	199.0	246.3	251.0	255.6	260.3	264.9	265.5	262.1	258.7	255.3	251.9
105°	364.9	362.5	361.2	359.9	358.7	357.4	355.9	354.4	352.8	351.3	349.7
107.5°	453.1	452.0	450.2	448.5	446.7	445.0	443.7	442.9	442.2	441.4	440.6
110°	512.9	512.4	510.9	509.3	507.8	506.2	505.1	504.3	503.5	502.7	502.0



TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	570.9	571.0	570.3	569.5	568.8	568.1	567.0	565.6	564.2	562.9	561.5
115°	655.9	655.3	655.6	655.9	656.1	656.4	656.1	655.3	654.6	653.8	653.0
117.5°	742.6	742.7	742.2	741.6	741.0	740.4	739.6	738.6	737.6	736.5	735.5
120°	795.3	794.8	795.0	795.3	795.6	795.8	795.4	794.4	793.4	792.3	791.3
122.5°	848.1	847.8	847.4	847.0	846.7	846.3	845.8	845.2	844.6	844.0	843.3
125°	921.0	920.3	920.8	921.3	921.8	922.3	922.1	921.0	920.0	919.0	917.9
127.5°	994.9	995.1	993.9	992.7	991.5	990.3	989.6	989.4	989.1	988.8	988.6
130°	1039.0	1038.8	1038.0	1037.2	1036.5	1035.7	1035.2	1034.9	1034.7	1034.4	1034.1
132.5°	1082.7	1082.5	1081.5	1080.5	1079.5	1078.6	1077.8	1077.4	1076.9	1076.4	1076.0
135°	1142.7	1142.2	1141.2	1140.1	1139.1	1138.1	1137.7	1137.9	1138.2	1138.5	1138.7
137.5°	1200.4	1199.8	1198.7	1197.6	1196.4	1195.3	1194.7	1194.6	1194.5	1194.4	1194.3
140°	1235.9	1235.2	1234.6	1234.1	1233.6	1233.1	1232.6	1232.1	1231.5	1231.0	1230.5
142.5°	1269.2	1268.6	1268.3	1268.0	1267.7	1267.4	1266.8	1265.8	1264.9	1264.0	1263.0
145°	1316.8	1316.5	1316.5	1316.5	1316.5	1316.5	1316.1	1315.3	1314.6	1313.8	1313.0
147.5°	1358.3	1358.1	1358.3	1358.6	1358.9	1359.1	1358.5	1357.1	1355.6	1354.2	1352.7
150°	1385.0	1385.0	1385.3	1385.6	1385.8	1386.1	1385.7	1384.7	1383.6	1382.6	1381.6
152.5°	1407.8	1407.4	1407.8	1408.3	1408.8	1409.2	1409.0	1408.2	1407.4	1406.6	1405.7
155°	1438.4	1437.3	1438.1	1438.9	1439.7	1440.4	1440.7	1440.4	1440.2	1439.9	1439.7
157.5°	1464.9	1463.6	1464.5	1465.4	1466.2	1467.1	1467.6	1467.8	1467.9	1468.1	1468.2
160°	1481.9	1480.3	1480.6	1480.8	1481.1	1481.4	1481.9	1482.7	1483.4	1484.2	1485.0
162.5°	1495.8	1494.3	1494.5	1494.8	1495.0	1495.3	1495.9	1496.9	1497.9	1498.9	1499.8
165°	1514.9	1512.9	1512.9	1512.9	1512.9	1512.9	1513.5	1514.8	1516.1	1517.4	1518.7
167.5°	1529.1	1526.8	1527.0	1527.1	1527.3	1527.4	1528.2	1529.5	1530.9	1532.2	1533.5
170°	1538.2	1536.1	1535.8	1535.6	1535.3	1535.1	1535.7	1537.3	1538.8	1540.4	1541.9
172.5°	1543.7	1541.7	1541.4	1541.2	1540.9	1540.6	1541.3	1542.8	1544.4	1545.9	1547.5
175°	1550.0	1547.7	1547.5	1547.2	1546.9	1546.7	1547.3	1548.9	1550.4	1552.0	1553.5
177.5°	1553.3	1551.7	1551.3	1550.8	1550.4	1550.0	1550.5	1552.0	1553.4	1554.9	1556.3
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332889

CATALOG NUMBER: SA4XXRDIP-C350D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	591.0	592.7	594.6	598.2	601.2	602.6	605.2	607.1	606.5	609.2	613.7
5°	593.3	599.7	607.1	614.6	623.1	630.2	635.9	641.6	646.1	651.5	659.6
7.5°	592.9	604.3	616.7	630.2	644.2	656.3	667.4	678.8	688.9	699.9	714.4
10°	591.4	606.6	622.0	639.7	657.5	674.3	689.4	703.6	717.1	731.5	749.8
12.5°	589.7	607.1	625.7	647.1	669.2	689.4	707.2	727.7	744.6	763.2	784.2
15°	582.2	605.6	631.0	658.6	685.2	712.4	736.7	761.8	785.3	807.5	834.0
17.5°	573.6	600.6	630.5	663.2	695.0	728.1	757.1	788.7	812.6	842.5	867.1
20°	566.6	595.7	627.6	664.3	700.5	737.2	769.2	801.4	828.3	858.4	889.6
22.5°	558.1	590.0	624.6	662.6	700.5	740.6	776.0	808.0	841.4	875.2	907.4
25°	544.3	577.5	614.2	655.8	699.4	740.3	778.2	817.9	853.9	890.6	919.5
27.5°	527.5	562.3	600.9	643.9	688.6	730.5	775.1	817.5	853.7	889.0	914.2
30°	514.0	550.7	587.9	631.4	677.8	722.8	770.6	813.0	851.1	882.8	897.0
32.5°	500.2	535.0	573.3	617.4	664.9	713.3	760.7	804.1	839.3	858.3	858.7
35°	476.2	508.8	548.6	591.9	640.7	693.2	741.2	783.8	805.4	807.0	783.8
37.5°	450.0	479.9	517.4	560.8	614.2	666.5	715.5	743.9	751.1	727.0	684.2
40°	431.2	458.9	495.1	539.6	592.6	646.6	691.3	712.1	704.6	665.5	617.7
42.5°	411.5	437.3	472.2	516.1	569.3	623.9	662.0	673.1	653.1	608.0	552.0
45°	379.4	403.0	437.6	481.9	533.0	584.1	613.0	607.3	573.9	520.4	457.7
47.5°	345.9	368.8	399.9	440.8	493.2	537.3	556.8	539.7	492.2	433.4	382.4
50°	323.8	347.2	375.8	414.9	462.7	505.3	517.8	491.8	439.0	382.5	335.6
52.5°	302.0	322.0	350.1	387.8	433.5	469.5	476.2	446.2	391.7	341.0	299.4
55°	268.9	287.1	310.7	346.2	385.8	416.3	412.7	374.2	324.7	281.4	248.7
57.5°	236.8	250.5	272.4	305.7	340.4	360.9	347.9	315.0	268.9	233.4	205.9
60°	215.6	228.4	248.7	277.8	308.4	320.0	309.1	273.4	236.9	204.5	181.3
62.5°	195.5	206.8	224.3	251.3	276.0	282.9	271.2	240.0	207.2	179.5	160.3
65°	166.4	176.8	191.7	210.9	227.9	231.2	223.7	191.7	166.9	143.7	130.4
67.5°	139.9	146.7	158.4	174.9	184.0	185.9	171.3	151.2	129.3	115.1	105.1
70°	122.1	126.9	137.7	146.7	154.1	154.3	140.8	124.7	107.9	96.3	89.0
72.5°	104.9	109.4	117.7	123.8	129.5	127.6	115.3	102.6	89.0	80.2	74.8
75°	80.9	85.0	89.2	92.1	92.1	89.7	80.7	71.2	63.4	58.2	56.6
77.5°	58.8	62.1	63.6	63.1	62.3	58.6	52.9	46.7	43.9	41.5	40.2
80°	46.2	47.6	48.0	46.9	45.4	41.2	37.4	34.8	32.2	31.2	30.8
82.5°	34.2	35.5	34.2	34.6	31.4	27.9	25.8	24.9	23.9	23.5	23.0
85°	18.2	18.0	17.5	16.3	14.2	13.7	13.5	13.3	12.8	13.0	12.5
87.5°	7.5	7.5	7.3	7.7	8.2	8.2	8.8	9.2	9.7	9.8	10.5
90°	6.3	9.2	12.0	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7
92.5°	14.8	15.0	15.1	15.3	16.4	18.4	20.5	22.6	24.6	26.2	27.7
95°	55.1	46.3	37.6	28.8	24.5	24.8	25.0	25.3	25.6	27.1	28.7
97.5°	141.2	146.7	152.1	157.6	145.9	117.1	88.3	59.5	30.7	30.8	31.0
100°	195.2	199.9	204.5	209.2	193.7	158.0	122.4	86.8	51.1	46.7	42.3
102.5°	255.3	258.7	262.1	265.5	264.9	260.3	255.6	251.0	246.3	199.0	151.6
105°	351.3	352.8	354.4	355.9	357.4	358.7	359.9	361.2	362.5	364.9	367.2
107.5°	441.4	442.2	442.9	443.7	445.0	446.7	448.5	450.2	452.0	453.1	454.3
110°	502.7	503.5	504.3	505.1	506.2	507.8	509.3	510.9	512.4	512.9	513.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	562.9	564.2	565.6	567.0	568.1	568.8	569.5	570.3	571.0	570.9	570.8
115°	653.8	654.6	655.3	656.1	656.4	656.1	655.9	655.6	655.3	655.9	656.4
117.5°	736.5	737.6	738.6	739.6	740.4	741.0	741.6	742.2	742.7	742.6	742.5
120°	792.3	793.4	794.4	795.4	795.8	795.6	795.3	795.0	794.8	795.3	795.8
122.5°	844.0	844.6	845.2	845.8	846.3	846.7	847.0	847.4	847.8	848.1	848.4
125°	919.0	920.0	921.0	922.1	922.3	921.8	921.3	920.8	920.3	921.0	921.8
127.5°	988.8	989.1	989.4	989.6	990.3	991.5	992.7	993.9	995.1	994.9	994.8
130°	1034.4	1034.7	1034.9	1035.2	1035.7	1036.5	1037.2	1038.0	1038.8	1039.0	1039.3
132.5°	1076.4	1076.9	1077.4	1077.8	1078.6	1079.5	1080.5	1081.5	1082.5	1082.7	1083.0
135°	1138.5	1138.2	1137.9	1137.7	1138.1	1139.1	1140.1	1141.2	1142.2	1142.7	1143.2
137.5°	1194.4	1194.5	1194.6	1194.7	1195.3	1196.4	1197.6	1198.7	1199.8	1200.4	1201.0
140°	1231.0	1231.5	1232.1	1232.6	1233.1	1233.6	1234.1	1234.6	1235.2	1235.9	1236.7
142.5°	1264.0	1264.9	1265.8	1266.8	1267.4	1267.7	1268.0	1268.3	1268.6	1269.2	1269.8
145°	1313.8	1314.6	1315.3	1316.1	1316.5	1316.5	1316.5	1316.5	1316.5	1316.8	1317.0
147.5°	1354.2	1355.6	1357.1	1358.5	1359.1	1358.9	1358.6	1358.3	1358.1	1358.3	1358.5
150°	1382.6	1383.6	1384.7	1385.7	1386.1	1385.8	1385.6	1385.3	1385.0	1385.0	1385.0
152.5°	1406.6	1407.4	1408.2	1409.0	1409.2	1408.8	1408.3	1407.8	1407.4	1407.8	1408.2
155°	1439.9	1440.2	1440.4	1440.7	1440.4	1439.7	1438.9	1438.1	1437.3	1438.4	1439.4
157.5°	1468.1	1467.9	1467.8	1467.6	1467.1	1466.2	1465.4	1464.5	1463.6	1464.9	1466.3
160°	1484.2	1483.4	1482.7	1481.9	1481.4	1481.1	1480.8	1480.6	1480.3	1481.9	1483.4
162.5°	1498.9	1497.9	1496.9	1495.9	1495.3	1495.0	1494.8	1494.5	1494.3	1495.8	1497.4
165°	1517.4	1516.1	1514.8	1513.5	1512.9	1512.9	1512.9	1512.9	1512.9	1514.9	1517.0
167.5°	1532.2	1530.9	1529.5	1528.2	1527.4	1527.3	1527.1	1527.0	1526.8	1529.1	1531.4
170°	1540.4	1538.8	1537.3	1535.7	1535.1	1535.3	1535.6	1535.8	1536.1	1538.2	1540.2
172.5°	1545.9	1544.4	1542.8	1541.3	1540.6	1540.9	1541.2	1541.4	1541.7	1543.7	1545.8
175°	1552.0	1550.4	1548.9	1547.3	1546.7	1546.9	1547.2	1547.5	1547.7	1550.0	1552.4
177.5°	1554.9	1553.4	1552.0	1550.5	1550.0	1550.4	1550.8	1551.3	1551.7	1553.3	1555.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	587.4	587.4	587.4	587.4	587.4	587.4	587.4
2.5°	616.2	616.9	617.5	619.4	619.6	621.3	619.6
5°	667.2	670.5	675.7	680.9	681.4	684.7	678.8
7.5°	724.3	732.0	736.8	745.2	748.5	750.6	747.2
10°	763.7	770.8	783.4	789.5	795.7	796.6	793.8
12.5°	801.8	813.0	822.9	834.6	834.3	842.6	839.6
15°	852.5	864.1	877.8	890.8	895.5	895.5	899.3
17.5°	888.6	909.9	924.1	934.3	945.5	947.4	946.1
20°	913.1	936.0	951.2	964.4	972.0	974.1	974.1
22.5°	931.2	950.8	965.6	977.5	983.7	986.2	985.5
25°	943.8	960.6	969.6	973.2	974.8	974.4	969.9
27.5°	926.6	925.8	920.2	909.3	901.1	896.1	890.4
30°	893.7	881.3	867.1	851.5	831.4	816.0	811.3
32.5°	844.6	817.0	792.9	766.9	745.3	729.9	723.4
35°	749.8	706.0	670.2	639.0	616.3	602.1	597.3
37.5°	637.2	594.8	550.6	520.3	501.4	487.1	481.8
40°	565.6	519.5	480.9	452.5	433.1	419.1	418.9
42.5°	500.3	456.2	419.9	399.5	378.6	369.3	369.3
45°	409.7	374.4	343.6	327.5	315.0	307.4	305.3
47.5°	339.2	310.0	289.5	276.7	266.5	261.7	258.5
50°	299.6	274.1	257.7	246.6	240.9	234.8	234.3
52.5°	266.7	246.0	233.3	224.3	217.1	213.4	213.5
55°	224.1	207.8	198.8	191.9	186.3	183.4	182.2
57.5°	188.8	176.6	170.0	163.7	161.3	159.1	158.5
60°	166.9	158.6	152.4	147.4	143.9	143.2	142.9
62.5°	148.7	140.0	135.8	131.9	129.3	128.2	127.8
65°	122.6	116.2	112.4	109.3	108.4	106.7	106.5
67.5°	98.8	95.0	92.5	90.4	89.1	89.0	89.0
70°	84.3	82.1	80.0	78.8	78.1	77.6	77.6
72.5°	71.8	70.2	68.4	67.8	67.7	67.2	67.0
75°	54.7	53.0	53.3	52.1	51.1	49.9	49.2
77.5°	38.8	37.6	37.3	37.2	36.4	36.3	36.6
80°	30.1	28.9	28.6	28.9	28.6	27.9	27.9
82.5°	22.9	21.9	21.6	21.5	21.3	21.5	21.1
85°	12.3	11.8	11.8	11.8	12.3	12.1	11.8
87.5°	10.4	10.5	10.9	10.8	10.9	10.8	11.1
90°	30.2	31.8	32.8	33.3	33.8	34.3	34.9
92.5°	29.3	30.8	31.7	31.8	31.9	32.0	32.1
95°	30.2	31.8	32.7	32.9	33.2	33.4	33.7
97.5°	31.1	31.3	31.5	31.8	32.0	32.3	32.5
100°	38.0	33.6	31.5	31.8	32.0	32.3	32.5
102.5°	104.3	56.9	33.3	33.3	33.4	33.4	33.5
105°	369.5	371.8	368.3	359.0	349.7	340.5	331.2
107.5°	455.4	456.5	457.6	458.6	459.6	460.5	461.5
110°	514.0	514.5	515.1	515.9	516.7	517.5	518.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	570.7	570.6	571.0	572.0	573.0	574.0	574.9
115°	656.9	657.4	657.7	657.7	657.7	657.7	657.7
117.5°	742.4	742.3	742.2	742.1	742.0	741.9	741.8
120°	796.3	796.8	796.8	796.3	795.8	795.3	794.8
122.5°	848.7	849.0	848.9	848.4	847.9	847.3	846.8
125°	922.6	923.4	923.9	924.1	924.4	924.7	924.9
127.5°	994.6	994.5	994.3	994.1	993.9	993.7	993.5
130°	1039.6	1039.8	1039.9	1039.9	1039.9	1039.9	1039.9
132.5°	1083.3	1083.5	1083.5	1083.3	1083.1	1082.9	1082.7
135°	1143.7	1144.3	1144.8	1145.3	1145.8	1146.3	1146.8
137.5°	1201.5	1202.1	1202.3	1202.2	1202.0	1201.8	1201.7
140°	1237.5	1238.3	1238.8	1239.0	1239.3	1239.5	1239.8
142.5°	1270.3	1270.9	1271.2	1271.3	1271.3	1271.4	1271.4
145°	1317.3	1317.5	1317.9	1318.4	1318.9	1319.5	1320.0
147.5°	1358.7	1358.9	1359.1	1359.4	1359.7	1359.9	1360.2
150°	1385.0	1385.0	1385.2	1385.4	1385.7	1386.0	1386.2
152.5°	1408.6	1409.0	1409.1	1409.0	1408.8	1408.7	1408.5
155°	1440.4	1441.5	1441.6	1440.8	1440.0	1439.3	1438.5
157.5°	1467.6	1469.0	1469.0	1467.6	1466.3	1464.9	1463.6
160°	1485.0	1486.5	1486.5	1485.0	1483.4	1481.9	1480.3
162.5°	1498.9	1500.5	1500.4	1498.6	1496.9	1495.1	1493.3
165°	1519.1	1521.1	1521.0	1518.7	1516.3	1514.0	1511.7
167.5°	1533.6	1535.9	1535.7	1533.2	1530.6	1528.0	1525.4
170°	1542.3	1544.4	1544.1	1541.5	1538.9	1536.4	1533.8
172.5°	1547.9	1549.9	1549.6	1546.8	1544.0	1541.2	1538.4
175°	1554.7	1557.0	1556.6	1553.5	1550.4	1547.3	1544.2
177.5°	1556.6	1558.3	1557.9	1555.4	1552.9	1550.4	1548.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5

(END OF REPORT)