

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: P332733

Luminaire Tested: **S124DIW-S350D1340U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332733
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S350D1340U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6945.6 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

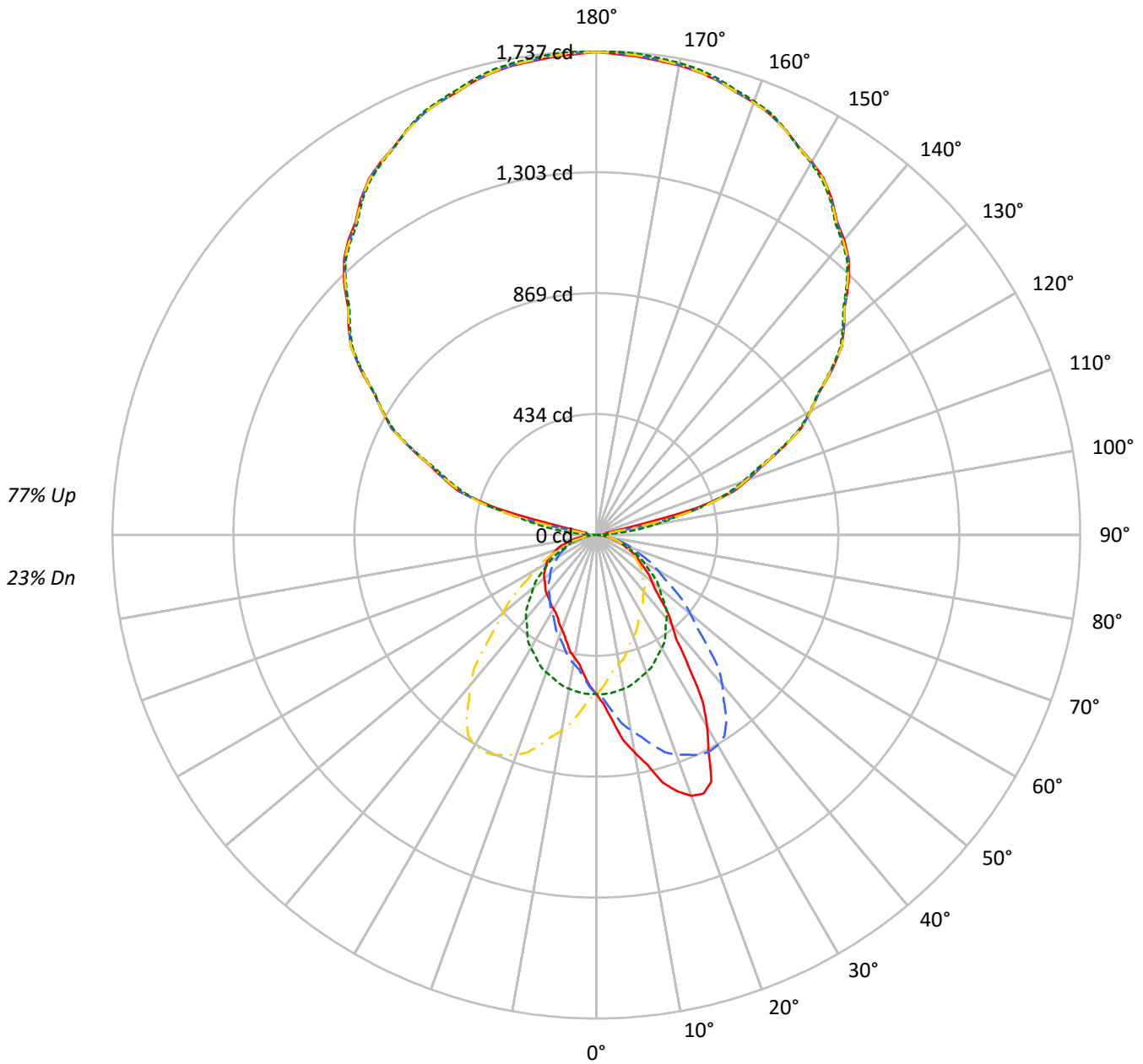
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	50	46	42	39	33	31	29	22	20	19	14
4	70	60	52	46	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	11
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	38	31	26	44	34	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	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4612	4612	4612	4612
5°	5431	4624	4081	4624
10°	6503	4604	3674	4604
15°	7694	4557	3375	4557
20°	8568	4509	3107	4509
25°	8706	4440	2922	4440
30°	7408	4373	2864	4373
35°	5695	4263	2864	4263
40°	4440	4135	2918	4135
45°	3701	3942	2967	3942
50°	3258	3706	3067	3706
55°	2985	3424	3191	3424
60°	2796	3171	3339	3171
65°	2604	2888	3463	2888
70°	2379	2608	3541	2608
75°	2127	2296	3500	2296
80°	1781	1883	3389	1883
85°	1315	1362	3242	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	0.8
10°-20°	171.6	2.5
20°-30°	272.0	3.9
30°-40°	302.8	4.4
40°-50°	275.6	4.0
50°-60°	225.2	3.2
60°-70°	160.8	2.3
70°-80°	88.5	1.3
80°-90°	29.2	0.4
90°-100°	59.3	0.9
100°-110°	378.2	5.4
110°-120°	723.4	10.4
120°-130°	918.4	13.2
130°-140°	982.6	14.1
140°-150°	918.8	13.2
150°-160°	741.0	10.7
160°-170°	477.9	6.9
170°-180°	164.7	2.4
0°-30°	499.3	7.2
0°-40°	802.0	11.5
0°-60°	1302.8	18.8
0°-90°	1581.3	22.8
90°-120°	1160.9	16.7
90°-150°	3980.7	57.3
90°-180°	5364.0	77.2
0°-180°	6945.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	571	571	571	571	571	
5°	670	571	504	571	670	68
15°	921	545	404	545	921	260
25°	977	498	328	498	977	431
35°	578	433	291	433	578	367
45°	324	345	260	345	324	255
55°	212	243	227	243	212	192
65°	136	151	181	151	136	135
75°	68	74	112	74	68	72
85°	14	15	35	15	14	18
90°	39	4	39	4	39	17
95°	38	71	38	71	38	30
105°	370	390	370	390	370	323
115°	734	729	734	729	734	727
125°	1032	1025	1032	1025	1032	919
135°	1280	1271	1280	1271	1280	985
145°	1474	1466	1474	1466	1474	921
155°	1606	1607	1606	1607	1606	740
165°	1688	1695	1688	1695	1688	477
175°	1724	1734	1724	1734	1724	164
180°	1734	1734	1734	1734	1734	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	608.0	607.9	606.0	605.6	604.3	602.6	602.2	599.1	593.1	590.2	589.5
5°	670.2	675.0	668.8	667.6	666.9	659.1	655.1	650.4	639.5	633.1	628.1
7.5°	744.5	745.0	742.3	740.2	734.1	727.3	717.1	706.2	693.2	679.8	669.6
10°	793.3	795.2	792.1	791.7	779.6	772.0	756.9	744.1	729.4	713.1	698.2
12.5°	844.8	842.2	840.6	830.5	828.2	814.4	796.8	783.7	761.0	742.2	722.4
15°	920.6	915.4	912.1	898.2	891.3	872.1	853.4	839.0	809.4	781.2	759.9
17.5°	965.1	970.3	962.7	956.9	939.2	925.7	906.6	876.3	853.2	818.2	791.3
20°	997.3	997.8	993.5	987.6	973.7	956.6	935.8	902.7	875.0	840.2	803.2
22.5°	1006.0	1006.1	1004.3	998.8	988.2	974.4	953.4	925.7	892.2	854.4	817.4
25°	977.4	976.5	978.6	984.8	980.8	976.5	964.4	943.8	912.6	872.6	832.8
27.5°	871.2	877.8	889.8	904.9	919.5	930.6	933.7	929.5	910.2	877.3	835.6
30°	794.7	802.8	811.8	826.9	856.3	873.1	891.5	905.5	897.7	871.4	832.6
32.5°	710.7	712.7	726.0	743.2	770.1	802.4	831.7	860.1	869.5	855.7	823.3
35°	577.9	581.3	595.7	612.7	645.6	685.2	729.2	768.5	800.9	813.9	797.3
37.5°	471.6	481.1	491.3	509.6	538.6	574.2	619.9	670.8	719.1	751.5	757.0
40°	421.3	427.2	434.5	448.5	473.1	508.1	547.4	605.6	657.0	703.4	718.5
42.5°	381.5	385.0	389.5	402.1	420.8	455.7	491.6	542.8	594.3	649.8	675.2
45°	324.2	327.8	335.4	342.7	356.9	381.0	414.4	456.5	508.4	561.8	608.7
47.5°	282.9	285.1	289.6	297.5	309.6	325.5	352.6	387.8	435.8	487.8	537.7
50°	259.4	261.3	264.8	271.9	281.2	295.4	317.6	350.5	388.1	440.4	489.4
52.5°	240.8	241.6	244.2	249.0	256.4	268.3	286.6	313.8	348.8	395.4	444.2
55°	212.1	213.0	215.4	218.9	225.3	232.9	246.8	267.2	297.7	338.2	380.6
57.5°	188.4	189.1	191.0	192.4	197.7	203.8	214.6	229.1	252.2	286.6	324.4
60°	173.2	172.8	175.1	176.3	179.9	185.1	193.4	207.3	227.4	255.1	289.9
62.5°	158.5	157.8	159.8	161.4	163.4	167.8	174.6	185.5	201.9	226.9	257.0
65°	136.3	135.4	136.6	138.5	140.3	142.7	147.7	157.4	170.4	188.4	211.3
67.5°	114.1	115.1	115.3	116.2	117.3	120.5	123.9	130.8	140.0	154.4	173.8
70°	100.8	101.1	102.0	102.0	102.7	105.6	108.4	112.4	121.4	134.7	150.5
72.5°	87.6	88.6	88.2	88.9	89.5	91.4	93.4	97.3	104.9	114.8	128.2
75°	68.2	68.9	68.9	69.1	69.8	70.5	72.2	75.0	80.5	87.8	97.0
77.5°	49.7	49.8	50.1	51.0	51.0	52.1	53.3	55.6	58.3	63.3	69.0
80°	38.3	38.8	38.6	39.1	39.1	40.0	40.5	43.3	44.5	47.8	52.3
82.5°	28.1	28.6	28.5	29.2	29.6	29.8	30.4	31.6	32.8	35.7	37.5
85°	14.2	14.7	14.2	14.7	15.4	15.6	16.3	16.6	17.5	18.2	19.9
87.5°	11.9	12.4	12.3	12.4	12.6	12.6	12.4	11.9	12.3	12.1	12.4
90°	38.9	38.3	37.8	37.2	36.6	35.5	33.7	32.0	30.3	28.5	26.2
92.5°	35.8	35.7	35.6	35.5	35.3	34.4	32.7	31.0	29.2	27.5	25.2
95°	37.6	37.3	37.0	36.7	36.5	35.5	33.7	32.0	30.3	28.5	28.2
97.5°	36.3	36.0	35.7	35.5	35.2	34.9	34.8	34.6	34.4	34.2	66.4
100°	36.3	36.0	35.7	35.5	35.2	37.5	42.4	47.3	52.2	57.1	96.8
102.5°	37.4	37.3	37.2	37.2	37.1	63.5	116.4	169.3	222.1	275.0	280.2
105°	369.7	380.0	390.4	400.8	411.2	415.1	412.5	409.9	407.3	404.7	403.2
107.5°	515.2	514.1	513.0	511.9	510.8	509.6	508.4	507.1	505.8	504.6	502.6
110°	578.5	577.6	576.8	575.9	575.0	574.3	573.7	573.2	572.6	572.0	570.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	641.8	640.7	639.6	638.5	637.4	636.9	637.0	637.1	637.3	637.4	636.6
115°	734.1	734.1	734.1	734.1	734.1	733.8	733.3	732.7	732.1	731.5	731.8
117.5°	828.0	828.2	828.3	828.4	828.5	828.6	828.7	828.8	829.0	829.1	828.4
120°	887.2	887.8	888.3	888.9	889.5	889.5	888.9	888.3	887.8	887.2	887.5
122.5°	945.3	945.9	946.4	947.0	947.6	947.7	947.4	947.0	946.7	946.3	945.9
125°	1032.5	1032.2	1031.9	1031.6	1031.3	1030.7	1029.9	1029.0	1028.1	1027.3	1027.8
127.5°	1109.0	1109.2	1109.4	1109.7	1109.9	1110.1	1110.3	1110.5	1110.6	1110.8	1109.5
130°	1160.9	1160.9	1160.9	1160.9	1160.9	1160.7	1160.4	1160.1	1159.9	1159.6	1158.7
132.5°	1208.6	1208.8	1209.1	1209.3	1209.5	1209.5	1209.2	1208.9	1208.6	1208.3	1207.2
135°	1280.2	1279.6	1279.0	1278.5	1277.9	1277.3	1276.7	1276.2	1275.6	1275.0	1273.9
137.5°	1341.4	1341.6	1341.8	1341.9	1342.1	1341.9	1341.2	1340.6	1340.0	1339.3	1338.1
140°	1384.0	1383.7	1383.4	1383.1	1382.8	1382.2	1381.4	1380.5	1379.6	1378.8	1378.2
142.5°	1419.2	1419.2	1419.1	1419.1	1419.0	1418.7	1418.0	1417.4	1416.8	1416.1	1415.8
145°	1473.5	1472.9	1472.3	1471.7	1471.2	1470.7	1470.4	1470.1	1469.9	1469.6	1469.6
147.5°	1518.3	1518.0	1517.8	1517.5	1517.2	1516.9	1516.7	1516.5	1516.2	1516.0	1516.3
150°	1547.4	1547.1	1546.8	1546.5	1546.2	1546.1	1546.1	1546.1	1546.1	1546.1	1546.4
152.5°	1572.3	1572.5	1572.6	1572.8	1573.0	1572.8	1572.4	1571.9	1571.5	1571.0	1571.5
155°	1605.8	1606.6	1607.5	1608.4	1609.2	1609.1	1607.9	1606.8	1605.6	1604.5	1605.3
157.5°	1633.8	1635.3	1636.8	1638.3	1639.8	1639.8	1638.3	1636.8	1635.3	1633.8	1634.8
160°	1652.5	1654.2	1655.9	1657.6	1659.4	1659.4	1657.6	1655.9	1654.2	1652.5	1652.7
162.5°	1667.0	1668.9	1670.9	1672.9	1674.8	1674.9	1673.2	1671.5	1669.7	1668.0	1668.3
165°	1687.5	1690.1	1692.7	1695.3	1697.8	1698.0	1695.7	1693.4	1691.1	1688.8	1688.8
167.5°	1702.8	1705.7	1708.5	1711.4	1714.3	1714.5	1711.9	1709.4	1706.9	1704.3	1704.5
170°	1712.1	1715.0	1717.9	1720.8	1723.6	1723.9	1721.6	1719.3	1717.0	1714.7	1714.4
172.5°	1717.3	1720.4	1723.5	1726.6	1729.8	1730.2	1727.9	1725.5	1723.2	1720.9	1720.6
175°	1723.8	1727.2	1730.7	1734.2	1737.6	1738.1	1735.5	1732.9	1730.3	1727.7	1727.4
177.5°	1727.9	1730.7	1733.5	1736.2	1739.0	1739.5	1737.6	1735.8	1733.9	1732.1	1731.6
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	589.7	587.0	585.1	583.6	579.5	577.0	575.1	572.5	569.4	566.2	562.2
5°	623.1	615.1	609.2	600.2	591.7	584.6	577.2	570.6	562.6	553.8	547.4
7.5°	658.3	646.3	631.0	617.7	602.7	589.7	578.1	566.2	553.8	541.7	530.7
10°	680.7	665.3	648.2	628.1	609.2	592.4	576.8	561.6	546.9	532.3	519.7
12.5°	704.7	685.5	660.3	636.8	615.6	593.1	574.3	555.7	538.0	522.6	508.0
15°	737.0	709.3	680.2	648.7	620.8	594.5	568.7	545.3	525.4	505.0	490.8
17.5°	756.8	722.5	689.3	656.4	622.6	589.4	561.6	534.6	509.7	489.5	471.6
20°	769.9	735.8	694.4	661.5	621.3	587.2	555.0	524.9	498.9	477.4	458.9
22.5°	781.2	741.9	700.4	657.1	617.1	580.9	545.7	515.5	488.9	466.2	448.5
25°	787.4	742.2	697.2	654.1	608.7	565.9	533.9	498.4	470.0	446.1	427.2
27.5°	788.1	739.7	688.8	641.0	594.1	554.2	513.9	482.1	452.7	427.4	409.2
30°	786.0	735.6	680.9	629.1	582.0	538.7	503.6	469.1	439.0	413.9	395.0
32.5°	779.3	726.9	670.7	615.8	567.0	524.6	488.5	455.6	426.3	401.6	381.7
35°	760.2	708.3	648.5	591.4	541.5	498.7	466.0	432.6	403.3	379.9	360.7
37.5°	730.2	683.4	622.5	563.5	514.4	471.4	439.0	408.9	382.4	358.6	339.0
40°	704.1	662.9	601.8	544.3	491.3	450.4	420.1	392.4	366.1	343.6	324.9
42.5°	674.0	638.1	581.8	520.9	469.7	428.6	399.1	374.2	349.5	328.7	310.0
45°	620.3	596.6	543.6	487.3	434.0	395.2	367.1	345.3	324.5	304.1	288.5
47.5°	558.6	546.8	502.2	448.7	398.2	359.9	335.5	315.4	297.1	279.9	266.1
50°	517.1	511.4	472.9	421.3	373.0	337.0	312.4	295.1	279.5	264.4	251.3
52.5°	476.2	476.0	441.2	394.0	349.3	314.7	290.2	274.1	260.6	248.3	236.6
55°	413.7	420.3	393.1	351.0	311.0	279.7	257.7	243.3	233.8	223.7	214.9
57.5°	356.3	367.3	344.8	307.7	274.3	245.6	226.4	215.6	205.5	199.3	192.9
60°	318.8	329.2	311.7	280.5	249.0	224.4	206.1	196.4	187.7	183.4	178.9
62.5°	285.5	294.7	281.8	252.8	225.5	201.8	186.4	177.1	171.2	166.6	163.6
65°	237.9	245.7	234.5	213.5	190.0	171.1	158.6	151.2	145.6	143.7	140.3
67.5°	192.3	199.4	193.4	175.5	156.7	142.3	132.5	125.5	122.1	120.5	118.1
70°	165.2	172.3	165.9	150.3	135.8	123.8	114.5	110.5	107.0	106.3	103.0
72.5°	142.3	147.1	140.7	128.5	116.2	106.0	98.8	94.6	92.8	91.5	89.7
75°	106.7	111.0	106.7	97.3	88.5	81.4	75.3	73.6	71.5	70.8	69.6
77.5°	75.5	79.2	76.0	70.1	63.5	58.0	54.7	52.6	52.1	50.9	51.5
80°	57.7	60.1	57.0	53.0	47.8	44.0	41.7	40.5	39.1	38.6	39.5
82.5°	41.5	42.5	40.9	38.2	34.4	31.9	30.3	28.9	28.6	28.7	28.7
85°	21.5	21.3	21.1	18.7	17.5	15.9	14.9	14.7	14.4	14.9	15.4
87.5°	12.0	11.7	11.1	9.8	8.5	7.3	6.5	5.7	6.5	7.3	8.2
90°	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9	7.1	10.2	13.4
92.5°	22.9	20.6	18.3	17.0	16.9	16.7	16.5	16.3	16.5	16.7	16.9
95°	28.0	27.7	27.4	32.1	41.9	51.7	61.5	71.3	61.5	51.7	41.9
97.5°	98.6	130.7	162.9	175.9	169.8	163.7	157.6	151.5	157.6	163.7	169.8
100°	136.6	176.4	216.2	233.5	228.3	223.1	217.9	212.7	217.9	223.1	228.3
102.5°	285.4	290.5	295.7	296.4	292.6	288.8	285.0	281.2	285.0	288.8	292.6
105°	401.8	400.4	398.9	397.3	395.6	393.9	392.1	390.4	392.1	393.9	395.6
107.5°	500.6	498.7	496.7	495.3	494.4	493.6	492.7	491.8	492.7	493.6	494.4
110°	568.5	566.8	565.1	563.8	562.9	562.1	561.2	560.3	561.2	562.1	562.9



TEST NUMBER: P332733

CATALOG NUMBER: S124DIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	635.8	635.0	634.1	633.0	631.4	629.9	628.3	626.7	628.3	629.9	631.4
115°	732.1	732.4	732.7	732.4	731.5	730.7	729.8	728.9	729.8	730.7	731.5
117.5°	827.8	827.2	826.5	825.6	824.5	823.3	822.2	821.0	822.2	823.3	824.5
120°	887.8	888.1	888.3	887.9	886.8	885.6	884.4	883.3	884.4	885.6	886.8
122.5°	945.5	945.1	944.7	944.2	943.5	942.8	942.1	941.4	942.1	942.8	943.5
125°	1028.4	1029.0	1029.6	1029.3	1028.1	1027.0	1025.8	1024.7	1025.8	1027.0	1028.1
127.5°	1108.1	1106.8	1105.5	1104.7	1104.4	1104.1	1103.8	1103.5	1103.8	1104.1	1104.4
130°	1157.8	1157.0	1156.1	1155.5	1155.2	1155.0	1154.7	1154.4	1154.7	1155.0	1155.2
132.5°	1206.1	1205.1	1204.0	1203.1	1202.6	1202.1	1201.6	1201.1	1201.6	1202.1	1202.6
135°	1272.7	1271.5	1270.4	1270.0	1270.3	1270.5	1270.8	1271.1	1270.8	1270.5	1270.3
137.5°	1336.8	1335.5	1334.3	1333.6	1333.5	1333.3	1333.2	1333.1	1333.2	1333.3	1333.5
140°	1377.6	1377.0	1376.5	1375.9	1375.3	1374.7	1374.2	1373.6	1374.2	1374.7	1375.3
142.5°	1415.4	1415.1	1414.7	1414.1	1413.0	1412.0	1410.9	1409.9	1410.9	1412.0	1413.0
145°	1469.6	1469.6	1469.6	1469.1	1468.3	1467.4	1466.5	1465.7	1466.5	1467.4	1468.3
147.5°	1516.6	1516.9	1517.2	1516.5	1514.9	1513.3	1511.6	1510.0	1511.6	1513.3	1514.9
150°	1546.7	1547.0	1547.2	1546.8	1545.7	1544.5	1543.4	1542.2	1543.4	1544.5	1545.7
152.5°	1572.0	1572.6	1573.1	1572.9	1571.9	1571.0	1570.1	1569.2	1570.1	1571.0	1571.9
155°	1606.2	1607.1	1607.9	1608.2	1607.9	1607.6	1607.3	1607.1	1607.3	1607.6	1607.9
157.5°	1635.7	1636.7	1637.7	1638.3	1638.4	1638.6	1638.8	1639.0	1638.8	1638.6	1638.4
160°	1653.0	1653.3	1653.6	1654.2	1655.0	1655.9	1656.8	1657.6	1656.8	1655.9	1655.0
162.5°	1668.6	1668.9	1669.2	1669.9	1671.0	1672.1	1673.1	1674.2	1673.1	1672.1	1671.0
165°	1688.8	1688.8	1688.8	1689.5	1690.9	1692.4	1693.8	1695.3	1693.8	1692.4	1690.9
167.5°	1704.7	1704.9	1705.0	1705.9	1707.4	1708.9	1710.4	1711.9	1710.4	1708.9	1707.4
170°	1714.1	1713.8	1713.6	1714.3	1716.0	1717.7	1719.5	1721.2	1719.5	1717.7	1716.0
172.5°	1720.4	1720.1	1719.8	1720.5	1722.2	1724.0	1725.7	1727.4	1725.7	1724.0	1722.2
175°	1727.1	1726.8	1726.5	1727.2	1729.0	1730.7	1732.4	1734.2	1732.4	1730.7	1729.0
177.5°	1731.2	1730.7	1730.2	1730.8	1732.4	1734.0	1735.7	1737.3	1735.7	1734.0	1732.4
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P332733

CATALOG NUMBER: S124DIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	560.3	558.6	556.2	552.8	549.9	546.9	546.1	545.0	547.3	545.4	544.8
5°	542.0	537.0	530.6	523.3	519.0	512.9	511.7	509.3	506.9	506.7	504.3
7.5°	522.5	515.2	506.8	499.4	492.5	485.7	481.3	480.4	476.9	474.8	472.5
10°	510.0	501.0	491.3	484.2	476.2	469.1	464.1	461.3	458.9	456.3	453.9
12.5°	495.3	485.7	477.7	470.0	460.5	455.1	446.9	442.0	441.5	441.5	435.4
15°	478.1	468.6	456.3	445.4	440.2	429.8	425.3	419.6	416.1	412.5	409.7
17.5°	458.4	446.6	437.0	424.5	414.6	406.3	400.4	397.0	391.6	386.6	383.0
20°	446.1	433.6	423.4	410.1	399.3	389.1	384.1	379.4	375.4	371.1	367.1
22.5°	433.6	420.5	408.1	395.2	385.1	374.3	369.5	363.1	359.3	356.9	352.9
25°	413.9	399.7	385.5	373.2	362.8	353.3	347.0	342.0	337.7	335.8	333.2
27.5°	392.5	378.4	364.7	350.7	338.9	332.0	326.9	323.2	320.7	318.2	317.0
30°	378.9	364.2	349.6	336.5	325.7	318.8	314.1	311.5	309.6	308.4	307.2
32.5°	365.1	350.6	335.2	323.3	313.5	307.4	303.8	301.2	300.3	299.9	299.4
35°	342.9	328.3	314.1	303.4	294.2	291.8	288.7	287.3	286.8	288.5	289.2
37.5°	321.5	307.9	294.8	284.5	278.4	275.0	273.9	274.0	275.7	277.1	278.8
40°	307.7	294.4	282.1	273.1	267.4	265.3	264.8	266.0	267.9	269.6	271.5
42.5°	294.2	281.2	270.0	261.6	257.6	255.6	255.9	257.1	259.8	261.8	264.6
45°	273.4	262.5	251.6	244.7	241.4	241.9	241.9	244.0	246.6	249.7	252.8
47.5°	253.7	242.7	233.8	228.0	226.3	225.9	227.2	230.0	233.7	237.5	241.8
50°	240.5	230.0	222.2	217.0	215.1	215.8	217.7	220.3	224.8	229.6	234.1
52.5°	227.0	217.5	210.3	205.5	204.1	205.4	207.3	211.4	215.4	220.5	225.9
55°	206.1	198.1	192.4	188.9	188.4	189.1	191.2	195.7	201.4	207.8	213.0
57.5°	185.4	178.6	173.4	171.0	171.2	171.9	175.4	180.7	186.8	193.6	200.3
60°	171.3	165.2	160.9	159.0	159.3	160.7	165.0	169.9	177.5	184.1	191.2
62.5°	158.1	152.7	148.6	146.9	146.6	149.7	153.8	158.9	166.5	173.9	181.6
65°	136.8	132.5	129.2	128.3	129.0	131.4	136.6	143.4	149.8	157.6	165.7
67.5°	116.0	112.5	110.2	110.6	111.5	115.0	119.3	125.2	132.5	140.6	148.5
70°	102.7	99.4	97.5	97.7	99.2	103.4	107.2	113.1	120.9	129.2	135.8
72.5°	89.1	86.9	85.2	86.2	87.6	90.5	95.3	101.2	108.1	115.8	122.8
75°	68.4	68.4	67.5	68.2	70.3	73.1	76.7	82.8	89.7	95.9	101.5
77.5°	50.7	50.2	50.8	51.7	52.9	56.3	60.4	64.8	69.9	76.1	80.8
80°	38.8	39.1	40.2	41.7	42.1	44.7	49.0	53.0	57.0	62.2	66.7
82.5°	29.2	29.4	30.0	31.8	32.3	35.1	37.8	41.8	45.5	49.0	52.7
85°	15.9	15.9	17.0	17.8	18.9	20.8	22.5	24.9	28.2	30.5	34.1
87.5°	9.4	9.9	11.1	12.0	13.0	14.4	15.1	17.6	18.7	20.0	21.9
90°	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0	33.7	35.5	36.6
92.5°	17.0	18.3	20.6	22.9	25.2	27.5	29.2	31.0	32.7	34.4	35.3
95°	32.1	27.4	27.7	28.0	28.2	28.5	30.3	32.0	33.7	35.5	36.5
97.5°	175.9	162.9	130.7	98.6	66.4	34.2	34.4	34.6	34.8	34.9	35.2
100°	233.5	216.2	176.4	136.6	96.8	57.1	52.2	47.3	42.4	37.5	35.2
102.5°	296.4	295.7	290.5	285.4	280.2	275.0	222.1	169.3	116.4	63.5	37.1
105°	397.3	398.9	400.4	401.8	403.2	404.7	407.3	409.9	412.5	415.1	411.2
107.5°	495.3	496.7	498.7	500.6	502.6	504.6	505.8	507.1	508.4	509.6	510.8
110°	563.8	565.1	566.8	568.5	570.3	572.0	572.6	573.2	573.7	574.3	575.0



TEST NUMBER: P332733

CATALOG NUMBER: S124DIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	633.0	634.1	635.0	635.8	636.6	637.4	637.3	637.1	637.0	636.9	637.4
115°	732.4	732.7	732.4	732.1	731.8	731.5	732.1	732.7	733.3	733.8	734.1
117.5°	825.6	826.5	827.2	827.8	828.4	829.1	829.0	828.8	828.7	828.6	828.5
120°	887.9	888.3	888.1	887.8	887.5	887.2	887.8	888.3	888.9	889.5	889.5
122.5°	944.2	944.7	945.1	945.5	945.9	946.3	946.7	947.0	947.4	947.7	947.6
125°	1029.3	1029.6	1029.0	1028.4	1027.8	1027.3	1028.1	1029.0	1029.9	1030.7	1031.3
127.5°	1104.7	1105.5	1106.8	1108.1	1109.5	1110.8	1110.6	1110.5	1110.3	1110.1	1109.9
130°	1155.5	1156.1	1157.0	1157.8	1158.7	1159.6	1159.9	1160.1	1160.4	1160.7	1160.9
132.5°	1203.1	1204.0	1205.1	1206.1	1207.2	1208.3	1208.6	1208.9	1209.2	1209.5	1209.5
135°	1270.0	1270.4	1271.5	1272.7	1273.9	1275.0	1275.6	1276.2	1276.7	1277.3	1277.9
137.5°	1333.6	1334.3	1335.5	1336.8	1338.1	1339.3	1340.0	1340.6	1341.2	1341.9	1342.1
140°	1375.9	1376.5	1377.0	1377.6	1378.2	1378.8	1379.6	1380.5	1381.4	1382.2	1382.8
142.5°	1414.1	1414.7	1415.1	1415.4	1415.8	1416.1	1416.8	1417.4	1418.0	1418.7	1419.0
145°	1469.1	1469.6	1469.6	1469.6	1469.6	1469.6	1469.9	1470.1	1470.4	1470.7	1471.2
147.5°	1516.5	1517.2	1516.9	1516.6	1516.3	1516.0	1516.2	1516.5	1516.7	1516.9	1517.2
150°	1546.8	1547.2	1547.0	1546.7	1546.4	1546.1	1546.1	1546.1	1546.1	1546.1	1546.2
152.5°	1572.9	1573.1	1572.6	1572.0	1571.5	1571.0	1571.5	1571.9	1572.4	1572.8	1573.0
155°	1608.2	1607.9	1607.1	1606.2	1605.3	1604.5	1605.6	1606.8	1607.9	1609.1	1609.2
157.5°	1638.3	1637.7	1636.7	1635.7	1634.8	1633.8	1635.3	1636.8	1638.3	1639.8	1639.8
160°	1654.2	1653.6	1653.3	1653.0	1652.7	1652.5	1654.2	1655.9	1657.6	1659.4	1659.4
162.5°	1669.9	1669.2	1668.9	1668.6	1668.3	1668.0	1669.7	1671.5	1673.2	1674.9	1674.8
165°	1689.5	1688.8	1688.8	1688.8	1688.8	1688.8	1691.1	1693.4	1695.7	1698.0	1697.8
167.5°	1705.9	1705.0	1704.9	1704.7	1704.5	1704.3	1706.9	1709.4	1711.9	1714.5	1714.3
170°	1714.3	1713.6	1713.8	1714.1	1714.4	1714.7	1717.0	1719.3	1721.6	1723.9	1723.6
172.5°	1720.5	1719.8	1720.1	1720.4	1720.6	1720.9	1723.2	1725.5	1727.9	1730.2	1729.8
175°	1727.2	1726.5	1726.8	1727.1	1727.4	1727.7	1730.3	1732.9	1735.5	1738.1	1737.6
177.5°	1730.8	1730.2	1730.7	1731.2	1731.6	1732.1	1733.9	1735.8	1737.6	1739.5	1739.0
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P332733

CATALOG NUMBER: S124DIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	544.4	544.1	542.7	542.5	542.7	544.1	544.4	544.8	545.4	547.3	545.0
5°	502.9	501.7	501.0	503.6	501.0	501.7	502.9	504.3	506.7	506.9	509.3
7.5°	471.6	470.7	468.6	467.9	468.6	470.7	471.6	472.5	474.8	476.9	480.4
10°	451.6	450.6	448.7	448.2	448.7	450.6	451.6	453.9	456.3	458.9	461.3
12.5°	432.2	430.4	430.0	430.5	430.0	430.4	432.2	435.4	441.5	441.5	442.0
15°	406.6	405.6	403.0	403.8	403.0	405.6	406.6	409.7	412.5	416.1	419.6
17.5°	381.3	380.2	377.0	379.8	377.0	380.2	381.3	383.0	386.6	391.6	397.0
20°	365.4	363.5	361.9	361.6	361.9	363.5	365.4	367.1	371.1	375.4	379.4
22.5°	350.3	348.6	348.4	346.9	348.4	348.6	350.3	352.9	356.9	359.3	363.1
25°	331.3	329.7	329.2	328.0	329.2	329.7	331.3	333.2	335.8	337.7	342.0
27.5°	316.8	316.0	315.1	315.5	315.1	316.0	316.8	317.0	318.2	320.7	323.2
30°	307.9	307.7	307.2	307.2	307.2	307.7	307.9	307.2	308.4	309.6	311.5
32.5°	300.5	300.5	300.8	300.8	300.8	300.5	300.5	299.4	299.9	300.3	301.2
35°	290.2	290.9	291.3	290.6	291.3	290.9	290.2	289.2	288.5	286.8	287.3
37.5°	280.8	281.5	282.2	283.0	282.2	281.5	280.8	278.8	277.1	275.7	274.0
40°	273.6	275.2	275.7	276.9	275.7	275.2	273.6	271.5	269.6	267.9	266.0
42.5°	266.8	268.6	269.8	270.1	269.8	268.6	266.8	264.6	261.8	259.8	257.1
45°	256.3	258.2	259.9	259.9	259.9	258.2	256.3	252.8	249.7	246.6	244.0
47.5°	245.5	248.2	249.9	250.3	249.9	248.2	245.5	241.8	237.5	233.7	230.0
50°	238.1	241.4	243.1	244.2	243.1	241.4	238.1	234.1	229.6	224.8	220.3
52.5°	230.9	234.2	236.4	237.0	236.4	234.2	230.9	225.9	220.5	215.4	211.4
55°	218.4	223.2	225.8	226.7	225.8	223.2	218.4	213.0	207.8	201.4	195.7
57.5°	206.7	211.1	214.1	214.8	214.1	211.1	206.7	200.3	193.6	186.8	180.7
60°	197.6	202.4	206.1	206.8	206.1	202.4	197.6	191.2	184.1	177.5	169.9
62.5°	188.3	193.3	196.7	198.5	196.7	193.3	188.3	181.6	173.9	166.5	158.9
65°	172.3	177.3	180.6	181.3	180.6	177.3	172.3	165.7	157.6	149.8	143.4
67.5°	154.8	159.8	161.9	163.3	161.9	159.8	154.8	148.5	140.6	132.5	125.2
70°	142.5	146.5	148.9	150.0	148.9	146.5	142.5	135.8	129.2	120.9	113.1
72.5°	128.5	132.7	135.4	135.7	135.4	132.7	128.5	122.8	115.8	108.1	101.2
75°	107.0	110.8	112.2	112.2	112.2	110.8	107.0	101.5	95.9	89.7	82.8
77.5°	84.7	86.6	88.4	88.8	88.4	86.6	84.7	80.8	76.1	69.9	64.8
80°	70.3	71.5	72.9	72.9	72.9	71.5	70.3	66.7	62.2	57.0	53.0
82.5°	55.5	56.5	57.9	57.7	57.9	56.5	55.5	52.7	49.0	45.5	41.8
85°	33.6	35.7	35.5	35.0	35.5	35.7	33.6	34.1	30.5	28.2	24.9
87.5°	22.6	22.9	23.6	24.1	23.6	22.9	22.6	21.9	20.0	18.7	17.6
90°	37.2	37.8	38.3	38.9	38.3	37.8	37.2	36.6	35.5	33.7	32.0
92.5°	35.5	35.6	35.7	35.8	35.7	35.6	35.5	35.3	34.4	32.7	31.0
95°	36.7	37.0	37.3	37.6	37.3	37.0	36.7	36.5	35.5	33.7	32.0
97.5°	35.5	35.7	36.0	36.3	36.0	35.7	35.5	35.2	34.9	34.8	34.6
100°	35.5	35.7	36.0	36.3	36.0	35.7	35.5	35.2	37.5	42.4	47.3
102.5°	37.2	37.2	37.3	37.4	37.3	37.2	37.2	37.1	63.5	116.4	169.3
105°	400.8	390.4	380.0	369.7	380.0	390.4	400.8	411.2	415.1	412.5	409.9
107.5°	511.9	513.0	514.1	515.2	514.1	513.0	511.9	510.8	509.6	508.4	507.1
110°	575.9	576.8	577.6	578.5	577.6	576.8	575.9	575.0	574.3	573.7	573.2



TEST NUMBER: P332733

CATALOG NUMBER: S124DIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	638.5	639.6	640.7	641.8	640.7	639.6	638.5	637.4	636.9	637.0	637.1
115°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	733.8	733.3	732.7
117.5°	828.4	828.3	828.2	828.0	828.2	828.3	828.4	828.5	828.6	828.7	828.8
120°	888.9	888.3	887.8	887.2	887.8	888.3	888.9	889.5	889.5	888.9	888.3
122.5°	947.0	946.4	945.9	945.3	945.9	946.4	947.0	947.6	947.7	947.4	947.0
125°	1031.6	1031.9	1032.2	1032.5	1032.2	1031.9	1031.6	1031.3	1030.7	1029.9	1029.0
127.5°	1109.7	1109.4	1109.2	1109.0	1109.2	1109.4	1109.7	1109.9	1110.1	1110.3	1110.5
130°	1160.9	1160.9	1160.9	1160.9	1160.9	1160.9	1160.9	1160.9	1160.7	1160.4	1160.1
132.5°	1209.3	1209.1	1208.8	1208.6	1208.8	1209.1	1209.3	1209.5	1209.5	1209.2	1208.9
135°	1278.5	1279.0	1279.6	1280.2	1279.6	1279.0	1278.5	1277.9	1277.3	1276.7	1276.2
137.5°	1341.9	1341.8	1341.6	1341.4	1341.6	1341.8	1341.9	1342.1	1341.9	1341.2	1340.6
140°	1383.1	1383.4	1383.7	1384.0	1383.7	1383.4	1383.1	1382.8	1382.2	1381.4	1380.5
142.5°	1419.1	1419.1	1419.2	1419.2	1419.2	1419.1	1419.1	1419.0	1418.7	1418.0	1417.4
145°	1471.7	1472.3	1472.9	1473.5	1472.9	1472.3	1471.7	1471.2	1470.7	1470.4	1470.1
147.5°	1517.5	1517.8	1518.0	1518.3	1518.0	1517.8	1517.5	1517.2	1516.9	1516.7	1516.5
150°	1546.5	1546.8	1547.1	1547.4	1547.1	1546.8	1546.5	1546.2	1546.1	1546.1	1546.1
152.5°	1572.8	1572.6	1572.5	1572.3	1572.5	1572.6	1572.8	1573.0	1572.8	1572.4	1571.9
155°	1608.4	1607.5	1606.6	1605.8	1606.6	1607.5	1608.4	1609.2	1609.1	1607.9	1606.8
157.5°	1638.3	1636.8	1635.3	1633.8	1635.3	1636.8	1638.3	1639.8	1639.8	1638.3	1636.8
160°	1657.6	1655.9	1654.2	1652.5	1654.2	1655.9	1657.6	1659.4	1659.4	1657.6	1655.9
162.5°	1672.9	1670.9	1668.9	1667.0	1668.9	1670.9	1672.9	1674.8	1674.9	1673.2	1671.5
165°	1695.3	1692.7	1690.1	1687.5	1690.1	1692.7	1695.3	1697.8	1698.0	1695.7	1693.4
167.5°	1711.4	1708.5	1705.7	1702.8	1705.7	1708.5	1711.4	1714.3	1714.5	1711.9	1709.4
170°	1720.8	1717.9	1715.0	1712.1	1715.0	1717.9	1720.8	1723.6	1723.9	1721.6	1719.3
172.5°	1726.6	1723.5	1720.4	1717.3	1720.4	1723.5	1726.6	1729.8	1730.2	1727.9	1725.5
175°	1734.2	1730.7	1727.2	1723.8	1727.2	1730.7	1734.2	1737.6	1738.1	1735.5	1732.9
177.5°	1736.2	1733.5	1730.7	1727.9	1730.7	1733.5	1736.2	1739.0	1739.5	1737.6	1735.8
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P332733

CATALOG NUMBER: S124DIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	546.1	546.9	549.9	552.8	556.2	558.6	560.3	562.2	566.2	569.4	572.5
5°	511.7	512.9	519.0	523.3	530.6	537.0	542.0	547.4	553.8	562.6	570.6
7.5°	481.3	485.7	492.5	499.4	506.8	515.2	522.5	530.7	541.7	553.8	566.2
10°	464.1	469.1	476.2	484.2	491.3	501.0	510.0	519.7	532.3	546.9	561.6
12.5°	446.9	455.1	460.5	470.0	477.7	485.7	495.3	508.0	522.6	538.0	555.7
15°	425.3	429.8	440.2	445.4	456.3	468.6	478.1	490.8	505.0	525.4	545.3
17.5°	400.4	406.3	414.6	424.5	437.0	446.6	458.4	471.6	489.5	509.7	534.6
20°	384.1	389.1	399.3	410.1	423.4	433.6	446.1	458.9	477.4	498.9	524.9
22.5°	369.5	374.3	385.1	395.2	408.1	420.5	433.6	448.5	466.2	488.9	515.5
25°	347.0	353.3	362.8	373.2	385.5	399.7	413.9	427.2	446.1	470.0	498.4
27.5°	326.9	332.0	338.9	350.7	364.7	378.4	392.5	409.2	427.4	452.7	482.1
30°	314.1	318.8	325.7	336.5	349.6	364.2	378.9	395.0	413.9	439.0	469.1
32.5°	303.8	307.4	313.5	323.3	335.2	350.6	365.1	381.7	401.6	426.3	455.6
35°	288.7	291.8	294.2	303.4	314.1	328.3	342.9	360.7	379.9	403.3	432.6
37.5°	273.9	275.0	278.4	284.5	294.8	307.9	321.5	339.0	358.6	382.4	408.9
40°	264.8	265.3	267.4	273.1	282.1	294.4	307.7	324.9	343.6	366.1	392.4
42.5°	255.9	255.6	257.6	261.6	270.0	281.2	294.2	310.0	328.7	349.5	374.2
45°	241.9	241.9	241.4	244.7	251.6	262.5	273.4	288.5	304.1	324.5	345.3
47.5°	227.2	225.9	226.3	228.0	233.8	242.7	253.7	266.1	279.9	297.1	315.4
50°	217.7	215.8	215.1	217.0	222.2	230.0	240.5	251.3	264.4	279.5	295.1
52.5°	207.3	205.4	204.1	205.5	210.3	217.5	227.0	236.6	248.3	260.6	274.1
55°	191.2	189.1	188.4	188.9	192.4	198.1	206.1	214.9	223.7	233.8	243.3
57.5°	175.4	171.9	171.2	171.0	173.4	178.6	185.4	192.9	199.3	205.5	215.6
60°	165.0	160.7	159.3	159.0	160.9	165.2	171.3	178.9	183.4	187.7	196.4
62.5°	153.8	149.7	146.6	146.9	148.6	152.7	158.1	163.6	166.6	171.2	177.1
65°	136.6	131.4	129.0	128.3	129.2	132.5	136.8	140.3	143.7	145.6	151.2
67.5°	119.3	115.0	111.5	110.6	110.2	112.5	116.0	118.1	120.5	122.1	125.5
70°	107.2	103.4	99.2	97.7	97.5	99.4	102.7	103.0	106.3	107.0	110.5
72.5°	95.3	90.5	87.6	86.2	85.2	86.9	89.1	89.7	91.5	92.8	94.6
75°	76.7	73.1	70.3	68.2	67.5	68.4	68.4	69.6	70.8	71.5	73.6
77.5°	60.4	56.3	52.9	51.7	50.8	50.2	50.7	51.5	50.9	52.1	52.6
80°	49.0	44.7	42.1	41.7	40.2	39.1	38.8	39.5	38.6	39.1	40.5
82.5°	37.8	35.1	32.3	31.8	30.0	29.4	29.2	28.7	28.7	28.6	28.9
85°	22.5	20.8	18.9	17.8	17.0	15.9	15.9	15.4	14.9	14.4	14.7
87.5°	15.1	14.4	13.0	12.0	11.1	9.9	9.4	8.2	7.3	6.5	5.7
90°	30.3	28.5	26.2	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9
92.5°	29.2	27.5	25.2	22.9	20.6	18.3	17.0	16.9	16.7	16.5	16.3
95°	30.3	28.5	28.2	28.0	27.7	27.4	32.1	41.9	51.7	61.5	71.3
97.5°	34.4	34.2	66.4	98.6	130.7	162.9	175.9	169.8	163.7	157.6	151.5
100°	52.2	57.1	96.8	136.6	176.4	216.2	233.5	228.3	223.1	217.9	212.7
102.5°	222.1	275.0	280.2	285.4	290.5	295.7	296.4	292.6	288.8	285.0	281.2
105°	407.3	404.7	403.2	401.8	400.4	398.9	397.3	395.6	393.9	392.1	390.4
107.5°	505.8	504.6	502.6	500.6	498.7	496.7	495.3	494.4	493.6	492.7	491.8
110°	572.6	572.0	570.3	568.5	566.8	565.1	563.8	562.9	562.1	561.2	560.3



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CATALOG NUMBER: S124DIW-S350D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	637.3	637.4	636.6	635.8	635.0	634.1	633.0	631.4	629.9	628.3	626.7
115°	732.1	731.5	731.8	732.1	732.4	732.7	732.4	731.5	730.7	729.8	728.9
117.5°	829.0	829.1	828.4	827.8	827.2	826.5	825.6	824.5	823.3	822.2	821.0
120°	887.8	887.2	887.5	887.8	888.1	888.3	887.9	886.8	885.6	884.4	883.3
122.5°	946.7	946.3	945.9	945.5	945.1	944.7	944.2	943.5	942.8	942.1	941.4
125°	1028.1	1027.3	1027.8	1028.4	1029.0	1029.6	1029.3	1028.1	1027.0	1025.8	1024.7
127.5°	1110.6	1110.8	1109.5	1108.1	1106.8	1105.5	1104.7	1104.4	1104.1	1103.8	1103.5
130°	1159.9	1159.6	1158.7	1157.8	1157.0	1156.1	1155.5	1155.2	1155.0	1154.7	1154.4
132.5°	1208.6	1208.3	1207.2	1206.1	1205.1	1204.0	1203.1	1202.6	1202.1	1201.6	1201.1
135°	1275.6	1275.0	1273.9	1272.7	1271.5	1270.4	1270.0	1270.3	1270.5	1270.8	1271.1
137.5°	1340.0	1339.3	1338.1	1336.8	1335.5	1334.3	1333.6	1333.5	1333.3	1333.2	1333.1
140°	1379.6	1378.8	1378.2	1377.6	1377.0	1376.5	1375.9	1375.3	1374.7	1374.2	1373.6
142.5°	1416.8	1416.1	1415.8	1415.4	1415.1	1414.7	1414.1	1413.0	1412.0	1410.9	1409.9
145°	1469.9	1469.6	1469.6	1469.6	1469.6	1469.6	1469.1	1468.3	1467.4	1466.5	1465.7
147.5°	1516.2	1516.0	1516.3	1516.6	1516.9	1517.2	1516.5	1514.9	1513.3	1511.6	1510.0
150°	1546.1	1546.1	1546.4	1546.7	1547.0	1547.2	1546.8	1545.7	1544.5	1543.4	1542.2
152.5°	1571.5	1571.0	1571.5	1572.0	1572.6	1573.1	1572.9	1571.9	1571.0	1570.1	1569.2
155°	1605.6	1604.5	1605.3	1606.2	1607.1	1607.9	1608.2	1607.9	1607.6	1607.3	1607.1
157.5°	1635.3	1633.8	1634.8	1635.7	1636.7	1637.7	1638.3	1638.4	1638.6	1638.8	1639.0
160°	1654.2	1652.5	1652.7	1653.0	1653.3	1653.6	1654.2	1655.0	1655.9	1656.8	1657.6
162.5°	1669.7	1668.0	1668.3	1668.6	1668.9	1669.2	1669.9	1671.0	1672.1	1673.1	1674.2
165°	1691.1	1688.8	1688.8	1688.8	1688.8	1688.8	1689.5	1690.9	1692.4	1693.8	1695.3
167.5°	1706.9	1704.3	1704.5	1704.7	1704.9	1705.0	1705.9	1707.4	1708.9	1710.4	1711.9
170°	1717.0	1714.7	1714.4	1714.1	1713.8	1713.6	1714.3	1716.0	1717.7	1719.5	1721.2
172.5°	1723.2	1720.9	1720.6	1720.4	1720.1	1719.8	1720.5	1722.2	1724.0	1725.7	1727.4
175°	1730.3	1727.7	1727.4	1727.1	1726.8	1726.5	1727.2	1729.0	1730.7	1732.4	1734.2
177.5°	1733.9	1732.1	1731.6	1731.2	1730.7	1730.2	1730.8	1732.4	1734.0	1735.7	1737.3
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



TEST NUMBER: P332733

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	575.1	577.0	579.5	583.6	585.1	587.0	589.7	589.5	590.2	593.1	599.1
5°	577.2	584.6	591.7	600.2	609.2	615.1	623.1	628.1	633.1	639.5	650.4
7.5°	578.1	589.7	602.7	617.7	631.0	646.3	658.3	669.6	679.8	693.2	706.2
10°	576.8	592.4	609.2	628.1	648.2	665.3	680.7	698.2	713.1	729.4	744.1
12.5°	574.3	593.1	615.6	636.8	660.3	685.5	704.7	722.4	742.2	761.0	783.7
15°	568.7	594.5	620.8	648.7	680.2	709.3	737.0	759.9	781.2	809.4	839.0
17.5°	561.6	589.4	622.6	656.4	689.3	722.5	756.8	791.3	818.2	853.2	876.3
20°	555.0	587.2	621.3	661.5	694.4	735.8	769.9	803.2	840.2	875.0	902.7
22.5°	545.7	580.9	617.1	657.1	700.4	741.9	781.2	817.4	854.4	892.2	925.7
25°	533.9	565.9	608.7	654.1	697.2	742.2	787.4	832.8	872.6	912.6	943.8
27.5°	513.9	554.2	594.1	641.0	688.8	739.7	788.1	835.6	877.3	910.2	929.5
30°	503.6	538.7	582.0	629.1	680.9	735.6	786.0	832.6	871.4	897.7	905.5
32.5°	488.5	524.6	567.0	615.8	670.7	726.9	779.3	823.3	855.7	869.5	860.1
35°	466.0	498.7	541.5	591.4	648.5	708.3	760.2	797.3	813.9	800.9	768.5
37.5°	439.0	471.4	514.4	563.5	622.5	683.4	730.2	757.0	751.5	719.1	670.8
40°	420.1	450.4	491.3	544.3	601.8	662.9	704.1	718.5	703.4	657.0	605.6
42.5°	399.1	428.6	469.7	520.9	581.8	638.1	674.0	675.2	649.8	594.3	542.8
45°	367.1	395.2	434.0	487.3	543.6	596.6	620.3	608.7	561.8	508.4	456.5
47.5°	335.5	359.9	398.2	448.7	502.2	546.8	558.6	537.7	487.8	435.8	387.8
50°	312.4	337.0	373.0	421.3	472.9	511.4	517.1	489.4	440.4	388.1	350.5
52.5°	290.2	314.7	349.3	394.0	441.2	476.0	476.2	444.2	395.4	348.8	313.8
55°	257.7	279.7	311.0	351.0	393.1	420.3	413.7	380.6	338.2	297.7	267.2
57.5°	226.4	245.6	274.3	307.7	344.8	367.3	356.3	324.4	286.6	252.2	229.1
60°	206.1	224.4	249.0	280.5	311.7	329.2	318.8	289.9	255.1	227.4	207.3
62.5°	186.4	201.8	225.5	252.8	281.8	294.7	285.5	257.0	226.9	201.9	185.5
65°	158.6	171.1	190.0	213.5	234.5	245.7	237.9	211.3	188.4	170.4	157.4
67.5°	132.5	142.3	156.7	175.5	193.4	199.4	192.3	173.8	154.4	140.0	130.8
70°	114.5	123.8	135.8	150.3	165.9	172.3	165.2	150.5	134.7	121.4	112.4
72.5°	98.8	106.0	116.2	128.5	140.7	147.1	142.3	128.2	114.8	104.9	97.3
75°	75.3	81.4	88.5	97.3	106.7	111.0	106.7	97.0	87.8	80.5	75.0
77.5°	54.7	58.0	63.5	70.1	76.0	79.2	75.5	69.0	63.3	58.3	55.6
80°	41.7	44.0	47.8	53.0	57.0	60.1	57.7	52.3	47.8	44.5	43.3
82.5°	30.3	31.9	34.4	38.2	40.9	42.5	41.5	37.5	35.7	32.8	31.6
85°	14.9	15.9	17.5	18.7	21.1	21.3	21.5	19.9	18.2	17.5	16.6
87.5°	6.5	7.3	8.5	9.8	11.1	11.7	12.0	12.4	12.1	12.3	11.9
90°	7.1	10.2	13.4	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0
92.5°	16.5	16.7	16.9	17.0	18.3	20.6	22.9	25.2	27.5	29.2	31.0
95°	61.5	51.7	41.9	32.1	27.4	27.7	28.0	28.2	28.5	30.3	32.0
97.5°	157.6	163.7	169.8	175.9	162.9	130.7	98.6	66.4	34.2	34.4	34.6
100°	217.9	223.1	228.3	233.5	216.2	176.4	136.6	96.8	57.1	52.2	47.3
102.5°	285.0	288.8	292.6	296.4	295.7	290.5	285.4	280.2	275.0	222.1	169.3
105°	392.1	393.9	395.6	397.3	398.9	400.4	401.8	403.2	404.7	407.3	409.9
107.5°	492.7	493.6	494.4	495.3	496.7	498.7	500.6	502.6	504.6	505.8	507.1
110°	561.2	562.1	562.9	563.8	565.1	566.8	568.5	570.3	572.0	572.6	573.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	628.3	629.9	631.4	633.0	634.1	635.0	635.8	636.6	637.4	637.3	637.1
115°	729.8	730.7	731.5	732.4	732.7	732.4	732.1	731.8	731.5	732.1	732.7
117.5°	822.2	823.3	824.5	825.6	826.5	827.2	827.8	828.4	829.1	829.0	828.8
120°	884.4	885.6	886.8	887.9	888.3	888.1	887.8	887.5	887.2	887.8	888.3
122.5°	942.1	942.8	943.5	944.2	944.7	945.1	945.5	945.9	946.3	946.7	947.0
125°	1025.8	1027.0	1028.1	1029.3	1029.6	1029.0	1028.4	1027.8	1027.3	1028.1	1029.0
127.5°	1103.8	1104.1	1104.4	1104.7	1105.5	1106.8	1108.1	1109.5	1110.8	1110.6	1110.5
130°	1154.7	1155.0	1155.2	1155.5	1156.1	1157.0	1157.8	1158.7	1159.6	1159.9	1160.1
132.5°	1201.6	1202.1	1202.6	1203.1	1204.0	1205.1	1206.1	1207.2	1208.3	1208.6	1208.9
135°	1270.8	1270.5	1270.3	1270.0	1270.4	1271.5	1272.7	1273.9	1275.0	1275.6	1276.2
137.5°	1333.2	1333.3	1333.5	1333.6	1334.3	1335.5	1336.8	1338.1	1339.3	1340.0	1340.6
140°	1374.2	1374.7	1375.3	1375.9	1376.5	1377.0	1377.6	1378.2	1378.8	1379.6	1380.5
142.5°	1410.9	1412.0	1413.0	1414.1	1414.7	1415.1	1415.4	1415.8	1416.1	1416.8	1417.4
145°	1466.5	1467.4	1468.3	1469.1	1469.6	1469.6	1469.6	1469.6	1469.6	1469.9	1470.1
147.5°	1511.6	1513.3	1514.9	1516.5	1517.2	1516.9	1516.6	1516.3	1516.0	1516.2	1516.5
150°	1543.4	1544.5	1545.7	1546.8	1547.2	1547.0	1546.7	1546.4	1546.1	1546.1	1546.1
152.5°	1570.1	1571.0	1571.9	1572.9	1573.1	1572.6	1572.0	1571.5	1571.0	1571.5	1571.9
155°	1607.3	1607.6	1607.9	1608.2	1607.9	1607.1	1606.2	1605.3	1604.5	1605.6	1606.8
157.5°	1638.8	1638.6	1638.4	1638.3	1637.7	1636.7	1635.7	1634.8	1633.8	1635.3	1636.8
160°	1656.8	1655.9	1655.0	1654.2	1653.6	1653.3	1653.0	1652.7	1652.5	1654.2	1655.9
162.5°	1673.1	1672.1	1671.0	1669.9	1669.2	1668.9	1668.6	1668.3	1668.0	1669.7	1671.5
165°	1693.8	1692.4	1690.9	1689.5	1688.8	1688.8	1688.8	1688.8	1688.8	1691.1	1693.4
167.5°	1710.4	1708.9	1707.4	1705.9	1705.0	1704.9	1704.7	1704.5	1704.3	1706.9	1709.4
170°	1719.5	1717.7	1716.0	1714.3	1713.6	1713.8	1714.1	1714.4	1714.7	1717.0	1719.3
172.5°	1725.7	1724.0	1722.2	1720.5	1719.8	1720.1	1720.4	1720.6	1720.9	1723.2	1725.5
175°	1732.4	1730.7	1729.0	1727.2	1726.5	1726.8	1727.1	1727.4	1727.7	1730.3	1732.9
177.5°	1735.7	1734.0	1732.4	1730.8	1730.2	1730.7	1731.2	1731.6	1732.1	1733.9	1735.8
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	602.2	602.6	604.3	605.6	606.0	607.9	608.0
5°	655.1	659.1	666.9	667.6	668.8	675.0	670.2
7.5°	717.1	727.3	734.1	740.2	742.3	745.0	744.5
10°	756.9	772.0	779.6	791.7	792.1	795.2	793.3
12.5°	796.8	814.4	828.2	830.5	840.6	842.2	844.8
15°	853.4	872.1	891.3	898.2	912.1	915.4	920.6
17.5°	906.6	925.7	939.2	956.9	962.7	970.3	965.1
20°	935.8	956.6	973.7	987.6	993.5	997.8	997.3
22.5°	953.4	974.4	988.2	998.8	1004.3	1006.1	1006.0
25°	964.4	976.5	980.8	984.8	978.6	976.5	977.4
27.5°	933.7	930.6	919.5	904.9	889.8	877.8	871.2
30°	891.5	873.1	856.3	826.9	811.8	802.8	794.7
32.5°	831.7	802.4	770.1	743.2	726.0	712.7	710.7
35°	729.2	685.2	645.6	612.7	595.7	581.3	577.9
37.5°	619.9	574.2	538.6	509.6	491.3	481.1	471.6
40°	547.4	508.1	473.1	448.5	434.5	427.2	421.3
42.5°	491.6	455.7	420.8	402.1	389.5	385.0	381.5
45°	414.4	381.0	356.9	342.7	335.4	327.8	324.2
47.5°	352.6	325.5	309.6	297.5	289.6	285.1	282.9
50°	317.6	295.4	281.2	271.9	264.8	261.3	259.4
52.5°	286.6	268.3	256.4	249.0	244.2	241.6	240.8
55°	246.8	232.9	225.3	218.9	215.4	213.0	212.1
57.5°	214.6	203.8	197.7	192.4	191.0	189.1	188.4
60°	193.4	185.1	179.9	176.3	175.1	172.8	173.2
62.5°	174.6	167.8	163.4	161.4	159.8	157.8	158.5
65°	147.7	142.7	140.3	138.5	136.6	135.4	136.3
67.5°	123.9	120.5	117.3	116.2	115.3	115.1	114.1
70°	108.4	105.6	102.7	102.0	102.0	101.1	100.8
72.5°	93.4	91.4	89.5	88.9	88.2	88.6	87.6
75°	72.2	70.5	69.8	69.1	68.9	68.9	68.2
77.5°	53.3	52.1	51.0	51.0	50.1	49.8	49.7
80°	40.5	40.0	39.1	39.1	38.6	38.8	38.3
82.5°	30.4	29.8	29.6	29.2	28.5	28.6	28.1
85°	16.3	15.6	15.4	14.7	14.2	14.7	14.2
87.5°	12.4	12.6	12.6	12.4	12.3	12.4	11.9
90°	33.7	35.5	36.6	37.2	37.8	38.3	38.9
92.5°	32.7	34.4	35.3	35.5	35.6	35.7	35.8
95°	33.7	35.5	36.5	36.7	37.0	37.3	37.6
97.5°	34.8	34.9	35.2	35.5	35.7	36.0	36.3
100°	42.4	37.5	35.2	35.5	35.7	36.0	36.3
102.5°	116.4	63.5	37.1	37.2	37.2	37.3	37.4
105°	412.5	415.1	411.2	400.8	390.4	380.0	369.7
107.5°	508.4	509.6	510.8	511.9	513.0	514.1	515.2
110°	573.7	574.3	575.0	575.9	576.8	577.6	578.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	637.0	636.9	637.4	638.5	639.6	640.7	641.8
115°	733.3	733.8	734.1	734.1	734.1	734.1	734.1
117.5°	828.7	828.6	828.5	828.4	828.3	828.2	828.0
120°	888.9	889.5	889.5	888.9	888.3	887.8	887.2
122.5°	947.4	947.7	947.6	947.0	946.4	945.9	945.3
125°	1029.9	1030.7	1031.3	1031.6	1031.9	1032.2	1032.5
127.5°	1110.3	1110.1	1109.9	1109.7	1109.4	1109.2	1109.0
130°	1160.4	1160.7	1160.9	1160.9	1160.9	1160.9	1160.9
132.5°	1209.2	1209.5	1209.5	1209.3	1209.1	1208.8	1208.6
135°	1276.7	1277.3	1277.9	1278.5	1279.0	1279.6	1280.2
137.5°	1341.2	1341.9	1342.1	1341.9	1341.8	1341.6	1341.4
140°	1381.4	1382.2	1382.8	1383.1	1383.4	1383.7	1384.0
142.5°	1418.0	1418.7	1419.0	1419.1	1419.1	1419.2	1419.2
145°	1470.4	1470.7	1471.2	1471.7	1472.3	1472.9	1473.5
147.5°	1516.7	1516.9	1517.2	1517.5	1517.8	1518.0	1518.3
150°	1546.1	1546.1	1546.2	1546.5	1546.8	1547.1	1547.4
152.5°	1572.4	1572.8	1573.0	1572.8	1572.6	1572.5	1572.3
155°	1607.9	1609.1	1609.2	1608.4	1607.5	1606.6	1605.8
157.5°	1638.3	1639.8	1639.8	1638.3	1636.8	1635.3	1633.8
160°	1657.6	1659.4	1659.4	1657.6	1655.9	1654.2	1652.5
162.5°	1673.2	1674.9	1674.8	1672.9	1670.9	1668.9	1667.0
165°	1695.7	1698.0	1697.8	1695.3	1692.7	1690.1	1687.5
167.5°	1711.9	1714.5	1714.3	1711.4	1708.5	1705.7	1702.8
170°	1721.6	1723.9	1723.6	1720.8	1717.9	1715.0	1712.1
172.5°	1727.9	1730.2	1729.8	1726.6	1723.5	1720.4	1717.3
175°	1735.5	1738.1	1737.6	1734.2	1730.7	1727.2	1723.8
177.5°	1737.6	1739.5	1739.0	1736.2	1733.5	1730.7	1727.9
180°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2

(END OF REPORT)