

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: P333031-940

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333031-940
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: S124RDIW-S350D1560U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6890.7 lumens
Efficiency: N/A
Efficacy: 129.0 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

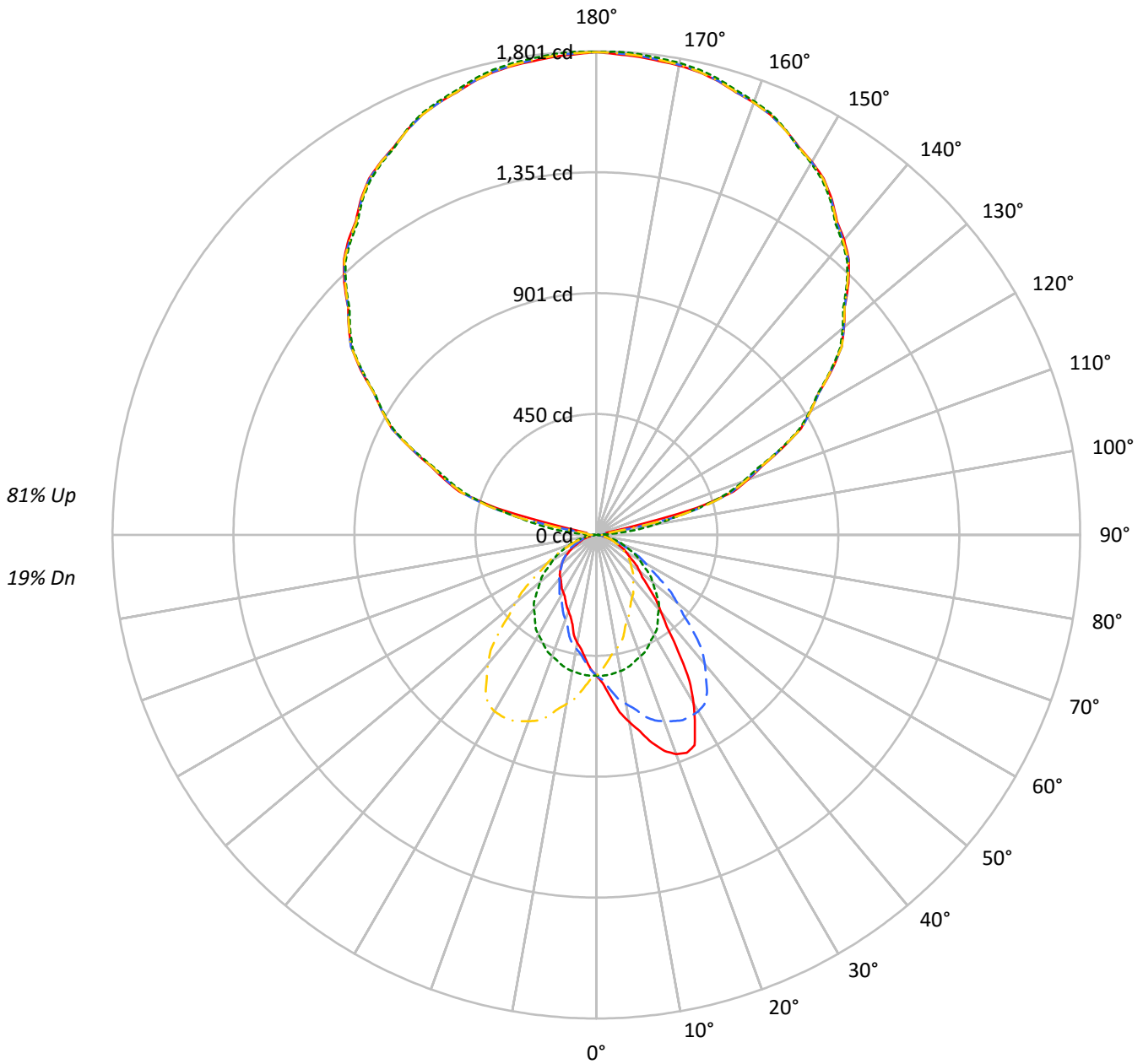
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	80	80	77	74	71	58	56	54	41	40	39	25	24	24	17
2	83	76	70	66	73	67	63	59	51	48	45	36	34	32	22	21	20	14
3	76	67	60	55	67	59	54	49	45	41	38	32	30	28	20	18	17	12
4	69	59	52	46	61	53	46	42	40	36	32	28	26	24	18	16	15	11
5	63	53	45	39	56	47	40	36	36	31	28	25	23	20	16	14	13	9
6	58	47	39	34	51	42	35	31	32	28	24	23	20	18	14	13	12	8
7	54	42	35	30	47	38	31	27	29	24	21	21	18	16	13	12	10	7
8	50	38	31	26	44	34	28	23	26	22	19	19	16	14	12	10	9	7
9	46	35	28	23	41	31	25	21	24	20	17	17	14	12	11	10	8	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	9	8	5

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	0.7
10°-20°	153.1	2.2
20°-30°	239.4	3.5
30°-40°	266.2	3.9
40°-50°	236.2	3.4
50°-60°	184.0	2.7
60°-70°	120.5	1.7
70°-80°	59.3	0.9
80°-90°	19.8	0.3
90°-100°	61.5	0.9
100°-110°	392.1	5.7
110°-120°	750.0	10.9
120°-130°	952.1	13.8
130°-140°	1018.7	14.8
140°-150°	952.6	13.8
150°-160°	768.2	11.1
160°-170°	495.5	7.2
170°-180°	170.8	2.5
0°-30°	443.3	6.4
0°-40°	709.5	10.3
0°-60°	1129.7	16.4
0°-90°	1329.2	19.3
90°-120°	1203.6	17.5
90°-150°	4127.0	59.9
90°-180°	5561.0	80.7
0°-180°	6890.7	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	18
95°	39	74	39	74	39	31
105°	383	405	383	405	383	334
115°	761	756	761	756	761	753
125°	1070	1062	1070	1062	1070	953
135°	1327	1318	1327	1318	1327	1022
145°	1528	1520	1528	1520	1528	955
155°	1665	1666	1665	1666	1665	768
165°	1750	1758	1750	1758	1750	494
175°	1787	1798	1787	1798	1787	170
180°	1798	1798	1798	1798	1798	



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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°	37.1	37.0	36.9	36.7	36.6	35.7	33.9	32.1	30.3	28.5	26.1
95°	39.0	38.7	38.4	38.1	37.8	36.7	35.0	33.2	31.4	29.6	29.2
97.5°	37.6	37.4	37.1	36.7	36.5	36.2	36.0	35.8	35.7	35.5	68.8
100°	37.6	37.4	37.1	36.7	36.5	38.9	44.0	49.0	54.1	59.2	100.4
102.5°	38.7	38.7	38.6	38.5	38.5	65.9	120.6	175.5	230.2	285.1	290.4
105°	383.3	394.0	404.7	415.5	426.2	430.3	427.7	424.9	422.2	419.5	418.0
107.5°	534.1	533.0	531.8	530.7	529.6	528.3	527.1	525.8	524.4	523.1	521.0
110°	599.8	598.9	598.0	597.1	596.2	595.4	594.9	594.2	593.6	593.0	591.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	665.4	664.2	663.1	662.0	660.8	660.3	660.4	660.6	660.7	660.8	660.0
115°	761.2	761.2	761.2	761.2	761.2	760.8	760.2	759.6	759.0	758.4	758.8
117.5°	858.4	858.6	858.7	858.8	859.0	859.1	859.2	859.3	859.4	859.5	858.9
120°	919.8	920.4	921.0	921.6	922.2	922.2	921.6	921.0	920.4	919.8	920.1
122.5°	980.1	980.6	981.2	981.9	982.4	982.6	982.2	981.9	981.5	981.1	980.7
125°	1070.4	1070.1	1069.8	1069.5	1069.3	1068.6	1067.7	1066.8	1066.0	1065.1	1065.6
127.5°	1149.8	1150.0	1150.2	1150.5	1150.7	1150.9	1151.1	1151.3	1151.5	1151.6	1150.2
130°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.4	1203.1	1202.8	1202.5	1202.2	1201.3
132.5°	1253.0	1253.3	1253.5	1253.7	1254.0	1253.9	1253.7	1253.4	1253.0	1252.8	1251.6
135°	1327.2	1326.7	1326.1	1325.4	1324.9	1324.3	1323.7	1323.0	1322.5	1321.9	1320.7
137.5°	1390.7	1390.9	1391.1	1391.2	1391.4	1391.2	1390.5	1389.9	1389.2	1388.6	1387.2
140°	1434.9	1434.5	1434.2	1434.0	1433.6	1433.1	1432.2	1431.3	1430.4	1429.4	1428.9
142.5°	1471.4	1471.3	1471.3	1471.2	1471.1	1470.8	1470.2	1469.5	1468.8	1468.2	1467.8
145°	1527.6	1527.1	1526.4	1525.8	1525.3	1524.7	1524.5	1524.2	1523.8	1523.6	1523.6
147.5°	1574.1	1573.9	1573.5	1573.2	1573.0	1572.7	1572.4	1572.2	1572.0	1571.7	1572.0
150°	1604.3	1604.0	1603.7	1603.4	1603.1	1602.9	1602.9	1602.9	1602.9	1602.9	1603.2
152.5°	1630.0	1630.2	1630.4	1630.6	1630.8	1630.7	1630.1	1629.7	1629.2	1628.7	1629.2
155°	1664.8	1665.7	1666.6	1667.5	1668.4	1668.2	1667.1	1665.8	1664.6	1663.4	1664.4
157.5°	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0	1698.5	1696.9	1695.4	1693.8	1694.9
160°	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4	1718.6	1716.8	1715.0	1713.2	1713.5
162.5°	1728.2	1730.3	1732.3	1734.4	1736.3	1736.5	1734.7	1733.0	1731.1	1729.3	1729.7
165°	1749.5	1752.2	1754.9	1757.6	1760.2	1760.4	1758.0	1755.6	1753.2	1750.9	1750.9
167.5°	1765.4	1768.4	1771.4	1774.3	1777.4	1777.5	1774.9	1772.3	1769.6	1767.0	1767.2
170°	1775.0	1778.1	1781.0	1784.0	1787.0	1787.3	1784.9	1782.5	1780.1	1777.7	1777.4
172.5°	1780.4	1783.7	1786.9	1790.1	1793.3	1793.8	1791.4	1789.0	1786.5	1784.2	1783.9
175°	1787.2	1790.7	1794.3	1797.9	1801.5	1802.0	1799.3	1796.5	1793.9	1791.2	1790.9
177.5°	1791.4	1794.3	1797.2	1800.1	1803.0	1803.4	1801.5	1799.6	1797.7	1795.7	1795.3
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



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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°	23.7	21.3	18.9	17.7	17.5	17.3	17.1	16.9	17.1	17.3	17.5
95°	29.0	28.7	28.4	33.3	43.5	53.7	63.8	73.9	63.8	53.7	43.5
97.5°	102.2	135.5	168.9	182.4	176.1	169.7	163.4	157.0	163.4	169.7	176.1
100°	141.6	182.9	224.1	242.0	236.7	231.3	226.0	220.5	226.0	231.3	236.7
102.5°	295.9	301.2	306.6	307.3	303.4	299.4	295.5	291.5	295.5	299.4	303.4
105°	416.6	415.1	413.6	412.0	410.2	408.3	406.5	404.7	406.5	408.3	410.2
107.5°	519.1	517.0	515.0	513.5	512.6	511.8	510.9	509.9	510.9	511.8	512.6
110°	589.4	587.6	585.9	584.5	583.6	582.7	581.8	580.9	581.8	582.7	583.6



TEST NUMBER: P333031-940

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	659.2	658.3	657.5	656.2	654.6	653.0	651.4	649.8	651.4	653.0	654.6
115°	759.0	759.3	759.6	759.3	758.4	757.5	756.6	755.7	756.6	757.5	758.4
117.5°	858.3	857.6	856.9	856.0	854.8	853.6	852.4	851.2	852.4	853.6	854.8
120°	920.4	920.7	921.0	920.5	919.4	918.2	916.9	915.8	916.9	918.2	919.4
122.5°	980.3	979.9	979.5	978.9	978.1	977.4	976.7	976.0	976.7	977.4	978.1
125°	1066.2	1066.8	1067.4	1067.1	1066.0	1064.7	1063.5	1062.4	1063.5	1064.7	1066.0
127.5°	1148.9	1147.5	1146.1	1145.3	1145.0	1144.7	1144.4	1144.1	1144.4	1144.7	1145.0
130°	1200.4	1199.5	1198.6	1198.0	1197.7	1197.4	1197.1	1196.9	1197.1	1197.4	1197.7
132.5°	1250.4	1249.4	1248.2	1247.4	1246.9	1246.3	1245.7	1245.2	1245.7	1246.3	1246.9
135°	1319.5	1318.3	1317.1	1316.6	1317.0	1317.2	1317.5	1317.9	1317.5	1317.2	1317.0
137.5°	1386.0	1384.6	1383.3	1382.6	1382.5	1382.3	1382.2	1382.2	1382.2	1382.3	1382.5
140°	1428.3	1427.6	1427.1	1426.5	1425.8	1425.3	1424.7	1424.1	1424.7	1425.3	1425.8
142.5°	1467.5	1467.1	1466.8	1466.1	1465.0	1463.9	1462.8	1461.7	1462.8	1463.9	1465.0
145°	1523.6	1523.6	1523.6	1523.1	1522.2	1521.3	1520.5	1519.6	1520.5	1521.3	1522.2
147.5°	1572.4	1572.6	1572.9	1572.3	1570.6	1568.9	1567.2	1565.6	1567.2	1568.9	1570.6
150°	1603.6	1603.8	1604.1	1603.7	1602.5	1601.2	1600.1	1598.9	1600.1	1601.2	1602.5
152.5°	1629.8	1630.3	1630.9	1630.7	1629.7	1628.8	1627.8	1626.8	1627.8	1628.8	1629.7
155°	1665.3	1666.2	1667.1	1667.3	1667.1	1666.7	1666.4	1666.2	1666.4	1666.7	1667.1
157.5°	1695.9	1696.8	1697.9	1698.5	1698.7	1698.9	1699.1	1699.2	1699.1	1698.9	1698.7
160°	1713.8	1714.0	1714.4	1715.0	1715.9	1716.8	1717.7	1718.6	1717.7	1716.8	1715.9
162.5°	1729.9	1730.2	1730.5	1731.3	1732.4	1733.5	1734.6	1735.8	1734.6	1733.5	1732.4
165°	1750.9	1750.9	1750.9	1751.6	1753.1	1754.6	1756.0	1757.6	1756.0	1754.6	1753.1
167.5°	1767.4	1767.5	1767.7	1768.5	1770.1	1771.7	1773.3	1774.8	1773.3	1771.7	1770.1
170°	1777.2	1776.8	1776.6	1777.3	1779.1	1780.8	1782.7	1784.5	1782.7	1780.8	1779.1
172.5°	1783.6	1783.3	1783.0	1783.8	1785.6	1787.3	1789.1	1790.9	1789.1	1787.3	1785.6
175°	1790.6	1790.3	1790.0	1790.7	1792.5	1794.3	1796.1	1797.9	1796.1	1794.3	1792.5
177.5°	1794.8	1794.3	1793.9	1794.5	1796.1	1797.8	1799.5	1801.2	1799.5	1797.8	1796.1
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333031-940

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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°	17.7	18.9	21.3	23.7	26.1	28.5	30.3	32.1	33.9	35.7	36.6
95°	33.3	28.4	28.7	29.0	29.2	29.6	31.4	33.2	35.0	36.7	37.8
97.5°	182.4	168.9	135.5	102.2	68.8	35.5	35.7	35.8	36.0	36.2	36.5
100°	242.0	224.1	182.9	141.6	100.4	59.2	54.1	49.0	44.0	38.9	36.5
102.5°	307.3	306.6	301.2	295.9	290.4	285.1	230.2	175.5	120.6	65.9	38.5
105°	412.0	413.6	415.1	416.6	418.0	419.5	422.2	424.9	427.7	430.3	426.2
107.5°	513.5	515.0	517.0	519.1	521.0	523.1	524.4	525.8	527.1	528.3	529.6
110°	584.5	585.9	587.6	589.4	591.2	593.0	593.6	594.2	594.9	595.4	596.2



TEST NUMBER: P333031-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	656.2	657.5	658.3	659.2	660.0	660.8	660.7	660.6	660.4	660.3	660.8
115°	759.3	759.6	759.3	759.0	758.8	758.4	759.0	759.6	760.2	760.8	761.2
117.5°	856.0	856.9	857.6	858.3	858.9	859.5	859.4	859.3	859.2	859.1	859.0
120°	920.5	921.0	920.7	920.4	920.1	919.8	920.4	921.0	921.6	922.2	922.2
122.5°	978.9	979.5	979.9	980.3	980.7	981.1	981.5	981.9	982.2	982.6	982.4
125°	1067.1	1067.4	1066.8	1066.2	1065.6	1065.1	1066.0	1066.8	1067.7	1068.6	1069.3
127.5°	1145.3	1146.1	1147.5	1148.9	1150.2	1151.6	1151.5	1151.3	1151.1	1150.9	1150.7
130°	1198.0	1198.6	1199.5	1200.4	1201.3	1202.2	1202.5	1202.8	1203.1	1203.4	1203.5
132.5°	1247.4	1248.2	1249.4	1250.4	1251.6	1252.8	1253.0	1253.4	1253.7	1253.9	1254.0
135°	1316.6	1317.1	1318.3	1319.5	1320.7	1321.9	1322.5	1323.0	1323.7	1324.3	1324.9
137.5°	1382.6	1383.3	1384.6	1386.0	1387.2	1388.6	1389.2	1389.9	1390.5	1391.2	1391.4
140°	1426.5	1427.1	1427.6	1428.3	1428.9	1429.4	1430.4	1431.3	1432.2	1433.1	1433.6
142.5°	1466.1	1466.8	1467.1	1467.5	1467.8	1468.2	1468.8	1469.5	1470.2	1470.8	1471.1
145°	1523.1	1523.6	1523.6	1523.6	1523.6	1523.6	1523.8	1524.2	1524.5	1524.7	1525.3
147.5°	1572.3	1572.9	1572.6	1572.4	1572.0	1571.7	1572.0	1572.2	1572.4	1572.7	1573.0
150°	1603.7	1604.1	1603.8	1603.6	1603.2	1602.9	1602.9	1602.9	1602.9	1602.9	1603.1
152.5°	1630.7	1630.9	1630.3	1629.8	1629.2	1628.7	1629.2	1629.7	1630.1	1630.7	1630.8
155°	1667.3	1667.1	1666.2	1665.3	1664.4	1663.4	1664.6	1665.8	1667.1	1668.2	1668.4
157.5°	1698.5	1697.9	1696.8	1695.9	1694.9	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0
160°	1715.0	1714.4	1714.0	1713.8	1713.5	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4
162.5°	1731.3	1730.5	1730.2	1729.9	1729.7	1729.3	1731.1	1733.0	1734.7	1736.5	1736.3
165°	1751.6	1750.9	1750.9	1750.9	1750.9	1750.9	1753.2	1755.6	1758.0	1760.4	1760.2
167.5°	1768.5	1767.7	1767.5	1767.4	1767.2	1767.0	1769.6	1772.3	1774.9	1777.5	1777.4
170°	1777.3	1776.6	1776.8	1777.2	1777.4	1777.7	1780.1	1782.5	1784.9	1787.3	1787.0
172.5°	1783.8	1783.0	1783.3	1783.6	1783.9	1784.2	1786.5	1789.0	1791.4	1793.8	1793.3
175°	1790.7	1790.0	1790.3	1790.6	1790.9	1791.2	1793.9	1796.5	1799.3	1802.0	1801.5
177.5°	1794.5	1793.9	1794.3	1794.8	1795.3	1795.7	1797.7	1799.6	1801.5	1803.4	1803.0
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



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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°	36.7	36.9	37.0	37.1	37.0	36.9	36.7	36.6	35.7	33.9	32.1
95°	38.1	38.4	38.7	39.0	38.7	38.4	38.1	37.8	36.7	35.0	33.2
97.5°	36.7	37.1	37.4	37.6	37.4	37.1	36.7	36.5	36.2	36.0	35.8
100°	36.7	37.1	37.4	37.6	37.4	37.1	36.7	36.5	38.9	44.0	49.0
102.5°	38.5	38.6	38.7	38.7	38.7	38.6	38.5	38.5	65.9	120.6	175.5
105°	415.5	404.7	394.0	383.3	394.0	404.7	415.5	426.2	430.3	427.7	424.9
107.5°	530.7	531.8	533.0	534.1	533.0	531.8	530.7	529.6	528.3	527.1	525.8
110°	597.1	598.0	598.9	599.8	598.9	598.0	597.1	596.2	595.4	594.9	594.2



TEST NUMBER: P333031-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	662.0	663.1	664.2	665.4	664.2	663.1	662.0	660.8	660.3	660.4	660.6
115°	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	760.8	760.2	759.6
117.5°	858.8	858.7	858.6	858.4	858.6	858.7	858.8	859.0	859.1	859.2	859.3
120°	921.6	921.0	920.4	919.8	920.4	921.0	921.6	922.2	922.2	921.6	921.0
122.5°	981.9	981.2	980.6	980.1	980.6	981.2	981.9	982.4	982.6	982.2	981.9
125°	1069.5	1069.8	1070.1	1070.4	1070.1	1069.8	1069.5	1069.3	1068.6	1067.7	1066.8
127.5°	1150.5	1150.2	1150.0	1149.8	1150.0	1150.2	1150.5	1150.7	1150.9	1151.1	1151.3
130°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.4	1203.1	1202.8
132.5°	1253.7	1253.5	1253.3	1253.0	1253.3	1253.5	1253.7	1254.0	1253.9	1253.7	1253.4
135°	1325.4	1326.1	1326.7	1327.2	1326.7	1326.1	1325.4	1324.9	1324.3	1323.7	1323.0
137.5°	1391.2	1391.1	1390.9	1390.7	1390.9	1391.1	1391.2	1391.4	1391.2	1390.5	1389.9
140°	1434.0	1434.2	1434.5	1434.9	1434.5	1434.2	1434.0	1433.6	1433.1	1432.2	1431.3
142.5°	1471.2	1471.3	1471.3	1471.4	1471.3	1471.3	1471.2	1471.1	1470.8	1470.2	1469.5
145°	1525.8	1526.4	1527.1	1527.6	1527.1	1526.4	1525.8	1525.3	1524.7	1524.5	1524.2
147.5°	1573.2	1573.5	1573.9	1574.1	1573.9	1573.5	1573.2	1573.0	1572.7	1572.4	1572.2
150°	1603.4	1603.7	1604.0	1604.3	1604.0	1603.7	1603.4	1603.1	1602.9	1602.9	1602.9
152.5°	1630.6	1630.4	1630.2	1630.0	1630.2	1630.4	1630.6	1630.8	1630.7	1630.1	1629.7
155°	1667.5	1666.6	1665.7	1664.8	1665.7	1666.6	1667.5	1668.4	1668.2	1667.1	1665.8
157.5°	1698.5	1696.9	1695.4	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0	1698.5	1696.9
160°	1718.6	1716.8	1715.0	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4	1718.6	1716.8
162.5°	1734.4	1732.3	1730.3	1728.2	1730.3	1732.3	1734.4	1736.3	1736.5	1734.7	1733.0
165°	1757.6	1754.9	1752.2	1749.5	1752.2	1754.9	1757.6	1760.2	1760.4	1758.0	1755.6
167.5°	1774.3	1771.4	1768.4	1765.4	1768.4	1771.4	1774.3	1777.4	1777.5	1774.9	1772.3
170°	1784.0	1781.0	1778.1	1775.0	1778.1	1781.0	1784.0	1787.0	1787.3	1784.9	1782.5
172.5°	1790.1	1786.9	1783.7	1780.4	1783.7	1786.9	1790.1	1793.3	1793.8	1791.4	1789.0
175°	1797.9	1794.3	1790.7	1787.2	1790.7	1794.3	1797.9	1801.5	1802.0	1799.3	1796.5
177.5°	1800.1	1797.2	1794.3	1791.4	1794.3	1797.2	1800.1	1803.0	1803.4	1801.5	1799.6
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333031-940

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

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°	30.3	28.5	26.1	23.7	21.3	18.9	17.7	17.5	17.3	17.1	16.9
95°	31.4	29.6	29.2	29.0	28.7	28.4	33.3	43.5	53.7	63.8	73.9
97.5°	35.7	35.5	68.8	102.2	135.5	168.9	182.4	176.1	169.7	163.4	157.0
100°	54.1	59.2	100.4	141.6	182.9	224.1	242.0	236.7	231.3	226.0	220.5
102.5°	230.2	285.1	290.4	295.9	301.2	306.6	307.3	303.4	299.4	295.5	291.5
105°	422.2	419.5	418.0	416.6	415.1	413.6	412.0	410.2	408.3	406.5	404.7
107.5°	524.4	523.1	521.0	519.1	517.0	515.0	513.5	512.6	511.8	510.9	509.9
110°	593.6	593.0	591.2	589.4	587.6	585.9	584.5	583.6	582.7	581.8	580.9



TEST NUMBER: P333031-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	660.7	660.8	660.0	659.2	658.3	657.5	656.2	654.6	653.0	651.4	649.8
115°	759.0	758.4	758.8	759.0	759.3	759.6	759.3	758.4	757.5	756.6	755.7
117.5°	859.4	859.5	858.9	858.3	857.6	856.9	856.0	854.8	853.6	852.4	851.2
120°	920.4	919.8	920.1	920.4	920.7	921.0	920.5	919.4	918.2	916.9	915.8
122.5°	981.5	981.1	980.7	980.3	979.9	979.5	978.9	978.1	977.4	976.7	976.0
125°	1066.0	1065.1	1065.6	1066.2	1066.8	1067.4	1067.1	1066.0	1064.7	1063.5	1062.4
127.5°	1151.5	1151.6	1150.2	1148.9	1147.5	1146.1	1145.3	1145.0	1144.7	1144.4	1144.1
130°	1202.5	1202.2	1201.3	1200.4	1199.5	1198.6	1198.0	1197.7	1197.4	1197.1	1196.9
132.5°	1253.0	1252.8	1251.6	1250.4	1249.4	1248.2	1247.4	1246.9	1246.3	1245.7	1245.2
135°	1322.5	1321.9	1320.7	1319.5	1318.3	1317.1	1316.6	1317.0	1317.2	1317.5	1317.9
137.5°	1389.2	1388.6	1387.2	1386.0	1384.6	1383.3	1382.6	1382.5	1382.3	1382.2	1382.2
140°	1430.4	1429.4	1428.9	1428.3	1427.6	1427.1	1426.5	1425.8	1425.3	1424.7	1424.1
142.5°	1468.8	1468.2	1467.8	1467.5	1467.1	1466.8	1466.1	1465.0	1463.9	1462.8	1461.7
145°	1523.8	1523.6	1523.6	1523.6	1523.6	1523.6	1523.1	1522.2	1521.3	1520.5	1519.6
147.5°	1572.0	1571.7	1572.0	1572.4	1572.6	1572.9	1572.3	1570.6	1568.9	1567.2	1565.6
150°	1602.9	1602.9	1603.2	1603.6	1603.8	1604.1	1603.7	1602.5	1601.2	1600.1	1598.9
152.5°	1629.2	1628.7	1629.2	1629.8	1630.3	1630.9	1630.7	1629.7	1628.8	1627.8	1626.8
155°	1664.6	1663.4	1664.4	1665.3	1666.2	1667.1	1667.3	1667.1	1666.7	1666.4	1666.2
157.5°	1695.4	1693.8	1694.9	1695.9	1696.8	1697.9	1698.5	1698.7	1698.9	1699.1	1699.2
160°	1715.0	1713.2	1713.5	1713.8	1714.0	1714.4	1715.0	1715.9	1716.8	1717.7	1718.6
162.5°	1731.1	1729.3	1729.7	1729.9	1730.2	1730.5	1731.3	1732.4	1733.5	1734.6	1735.8
165°	1753.2	1750.9	1750.9	1750.9	1750.9	1750.9	1751.6	1753.1	1754.6	1756.0	1757.6
167.5°	1769.6	1767.0	1767.2	1767.4	1767.5	1767.7	1768.5	1770.1	1771.7	1773.3	1774.8
170°	1780.1	1777.7	1777.4	1777.2	1776.8	1776.6	1777.3	1779.1	1780.8	1782.7	1784.5
172.5°	1786.5	1784.2	1783.9	1783.6	1783.3	1783.0	1783.8	1785.6	1787.3	1789.1	1790.9
175°	1793.9	1791.2	1790.9	1790.6	1790.3	1790.0	1790.7	1792.5	1794.3	1796.1	1797.9
177.5°	1797.7	1795.7	1795.3	1794.8	1794.3	1793.9	1794.5	1796.1	1797.8	1799.5	1801.2
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333031-940

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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°	17.1	17.3	17.5	17.7	18.9	21.3	23.7	26.1	28.5	30.3	32.1
95°	63.8	53.7	43.5	33.3	28.4	28.7	29.0	29.2	29.6	31.4	33.2
97.5°	163.4	169.7	176.1	182.4	168.9	135.5	102.2	68.8	35.5	35.7	35.8
100°	226.0	231.3	236.7	242.0	224.1	182.9	141.6	100.4	59.2	54.1	49.0
102.5°	295.5	299.4	303.4	307.3	306.6	301.2	295.9	290.4	285.1	230.2	175.5
105°	406.5	408.3	410.2	412.0	413.6	415.1	416.6	418.0	419.5	422.2	424.9
107.5°	510.9	511.8	512.6	513.5	515.0	517.0	519.1	521.0	523.1	524.4	525.8
110°	581.8	582.7	583.6	584.5	585.9	587.6	589.4	591.2	593.0	593.6	594.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	651.4	653.0	654.6	656.2	657.5	658.3	659.2	660.0	660.8	660.7	660.6
115°	756.6	757.5	758.4	759.3	759.6	759.3	759.0	758.8	758.4	759.0	759.6
117.5°	852.4	853.6	854.8	856.0	856.9	857.6	858.3	858.9	859.5	859.4	859.3
120°	916.9	918.2	919.4	920.5	921.0	920.7	920.4	920.1	919.8	920.4	921.0
122.5°	976.7	977.4	978.1	978.9	979.5	979.9	980.3	980.7	981.1	981.5	981.9
125°	1063.5	1064.7	1066.0	1067.1	1067.4	1066.8	1066.2	1065.6	1065.1	1066.0	1066.8
127.5°	1144.4	1144.7	1145.0	1145.3	1146.1	1147.5	1148.9	1150.2	1151.6	1151.5	1151.3
130°	1197.1	1197.4	1197.7	1198.0	1198.6	1199.5	1200.4	1201.3	1202.2	1202.5	1202.8
132.5°	1245.7	1246.3	1246.9	1247.4	1248.2	1249.4	1250.4	1251.6	1252.8	1253.0	1253.4
135°	1317.5	1317.2	1317.0	1316.6	1317.1	1318.3	1319.5	1320.7	1321.9	1322.5	1323.0
137.5°	1382.2	1382.3	1382.5	1382.6	1383.3	1384.6	1386.0	1387.2	1388.6	1389.2	1389.9
140°	1424.7	1425.3	1425.8	1426.5	1427.1	1427.6	1428.3	1428.9	1429.4	1430.4	1431.3
142.5°	1462.8	1463.9	1465.0	1466.1	1466.8	1467.1	1467.5	1467.8	1468.2	1468.8	1469.5
145°	1520.5	1521.3	1522.2	1523.1	1523.6	1523.6	1523.6	1523.6	1523.6	1523.8	1524.2
147.5°	1567.2	1568.9	1570.6	1572.3	1572.9	1572.6	1572.4	1572.0	1571.7	1572.0	1572.2
150°	1600.1	1601.2	1602.5	1603.7	1604.1	1603.8	1603.6	1603.2	1602.9	1602.9	1602.9
152.5°	1627.8	1628.8	1629.7	1630.7	1630.9	1630.3	1629.8	1629.2	1628.7	1629.2	1629.7
155°	1666.4	1666.7	1667.1	1667.3	1667.1	1666.2	1665.3	1664.4	1663.4	1664.6	1665.8
157.5°	1699.1	1698.9	1698.7	1698.5	1697.9	1696.8	1695.9	1694.9	1693.8	1695.4	1696.9
160°	1717.7	1716.8	1715.9	1715.0	1714.4	1714.0	1713.8	1713.5	1713.2	1715.0	1716.8
162.5°	1734.6	1733.5	1732.4	1731.3	1730.5	1730.2	1729.9	1729.7	1729.3	1731.1	1733.0
165°	1756.0	1754.6	1753.1	1751.6	1750.9	1750.9	1750.9	1750.9	1750.9	1753.2	1755.6
167.5°	1773.3	1771.7	1770.1	1768.5	1767.7	1767.5	1767.4	1767.2	1767.0	1769.6	1772.3
170°	1782.7	1780.8	1779.1	1777.3	1776.6	1776.8	1777.2	1777.4	1777.7	1780.1	1782.5
172.5°	1789.1	1787.3	1785.6	1783.8	1783.0	1783.3	1783.6	1783.9	1784.2	1786.5	1789.0
175°	1796.1	1794.3	1792.5	1790.7	1790.0	1790.3	1790.6	1790.9	1791.2	1793.9	1796.5
177.5°	1799.5	1797.8	1796.1	1794.5	1793.9	1794.3	1794.8	1795.3	1795.7	1797.7	1799.6
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



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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°	33.9	35.7	36.6	36.7	36.9	37.0	37.1
95°	35.0	36.7	37.8	38.1	38.4	38.7	39.0
97.5°	36.0	36.2	36.5	36.7	37.1	37.4	37.6
100°	44.0	38.9	36.5	36.7	37.1	37.4	37.6
102.5°	120.6	65.9	38.5	38.5	38.6	38.7	38.7
105°	427.7	430.3	426.2	415.5	404.7	394.0	383.3
107.5°	527.1	528.3	529.6	530.7	531.8	533.0	534.1
110°	594.9	595.4	596.2	597.1	598.0	598.9	599.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	660.4	660.3	660.8	662.0	663.1	664.2	665.4
115°	760.2	760.8	761.2	761.2	761.2	761.2	761.2
117.5°	859.2	859.1	859.0	858.8	858.7	858.6	858.4
120°	921.6	922.2	922.2	921.6	921.0	920.4	919.8
122.5°	982.2	982.6	982.4	981.9	981.2	980.6	980.1
125°	1067.7	1068.6	1069.3	1069.5	1069.8	1070.1	1070.4
127.5°	1151.1	1150.9	1150.7	1150.5	1150.2	1150.0	1149.8
130°	1203.1	1203.4	1203.5	1203.5	1203.5	1203.5	1203.5
132.5°	1253.7	1253.9	1254.0	1253.7	1253.5	1253.3	1253.0
135°	1323.7	1324.3	1324.9	1325.4	1326.1	1326.7	1327.2
137.5°	1390.5	1391.2	1391.4	1391.2	1391.1	1390.9	1390.7
140°	1432.2	1433.1	1433.6	1434.0	1434.2	1434.5	1434.9
142.5°	1470.2	1470.8	1471.1	1471.2	1471.3	1471.3	1471.4
145°	1524.5	1524.7	1525.3	1525.8	1526.4	1527.1	1527.6
147.5°	1572.4	1572.7	1573.0	1573.2	1573.5	1573.9	1574.1
150°	1602.9	1602.9	1603.1	1603.4	1603.7	1604.0	1604.3
152.5°	1630.1	1630.7	1630.8	1630.6	1630.4	1630.2	1630.0
155°	1667.1	1668.2	1668.4	1667.5	1666.6	1665.7	1664.8
157.5°	1698.5	1700.0	1700.0	1698.5	1696.9	1695.4	1693.8
160°	1718.6	1720.4	1720.4	1718.6	1716.8	1715.0	1713.2
162.5°	1734.7	1736.5	1736.3	1734.4	1732.3	1730.3	1728.2
165°	1758.0	1760.4	1760.2	1757.6	1754.9	1752.2	1749.5
167.5°	1774.9	1777.5	1777.4	1774.3	1771.4	1768.4	1765.4
170°	1784.9	1787.3	1787.0	1784.0	1781.0	1778.1	1775.0
172.5°	1791.4	1793.8	1793.3	1790.1	1786.9	1783.7	1780.4
175°	1799.3	1802.0	1801.5	1797.9	1794.3	1790.7	1787.2
177.5°	1801.5	1803.4	1803.0	1800.1	1797.2	1794.3	1791.4
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9

(END OF REPORT)