

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: P333657-930

Luminaire Tested: **S125RDIW-S375D1560U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333657-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D1560U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5601.4 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

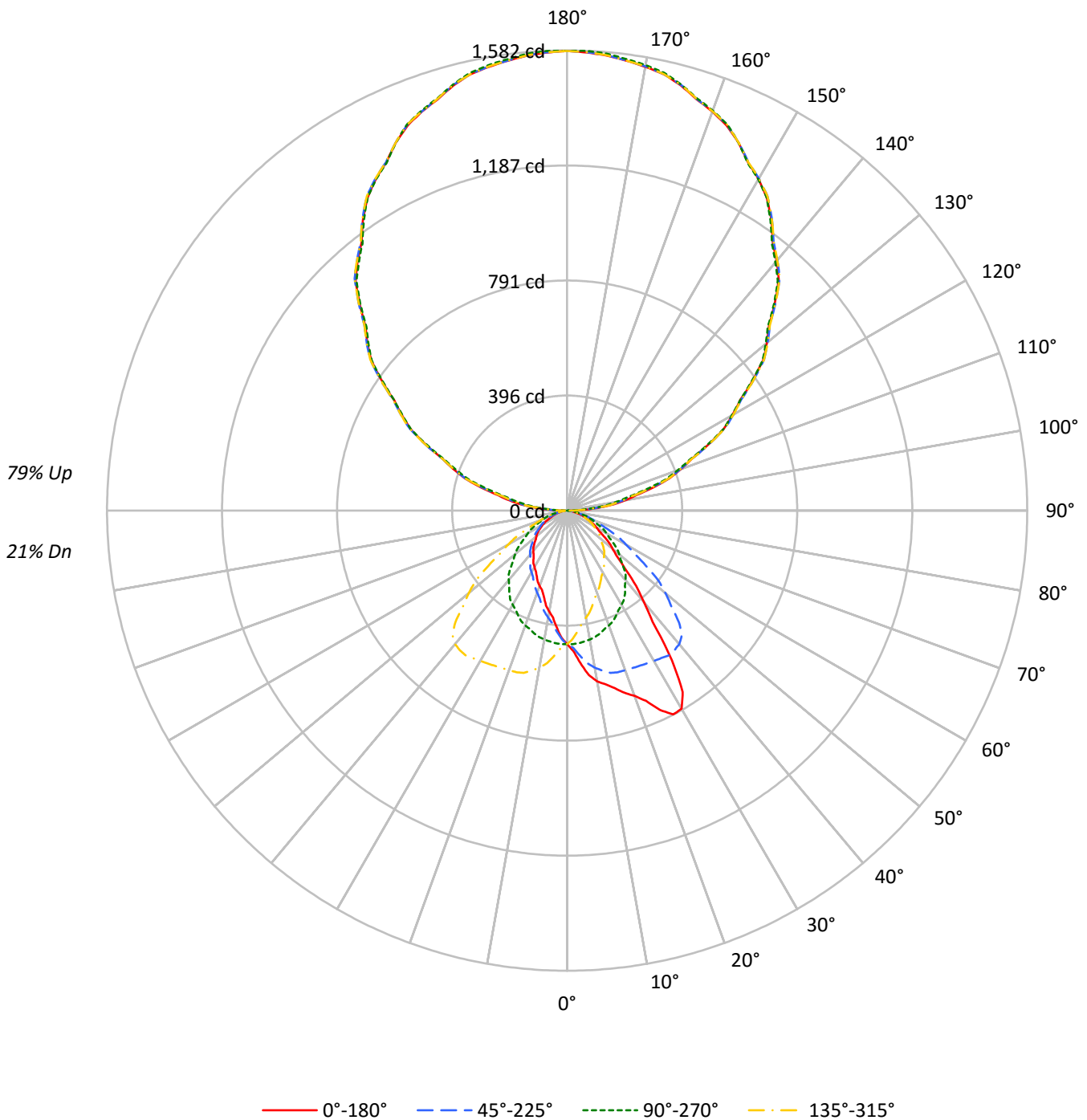
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	21
1	92	87	84	81	81	78	75	72	59	57	55	42	41	40	26	26	25	18
2	83	76	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	28	21	20	19	13
4	70	59	52	46	61	53	47	42	41	36	33	29	27	24	19	17	16	12
5	64	53	45	40	56	47	41	36	36	32	28	26	23	21	17	15	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	18	15	14	12	9
7	54	42	35	30	48	38	32	27	29	25	22	21	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	29	23	19	22	18	15	16	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2964	2964	2964	2964
5°	3409	2968	2621	2968
10°	3912	2952	2313	2952
15°	4225	2923	2055	2923
20°	4658	2887	1898	2887
25°	5392	2840	1762	2840
30°	5867	2791	1672	2791
35°	4949	2734	1589	2734
40°	3456	2632	1518	2632
45°	2564	2493	1449	2493
50°	2045	2349	1390	2349
55°	1735	2170	1337	2170
60°	1498	2010	1252	2010
65°	1336	1837	1076	1837
70°	1175	1682	982	1682
75°	1016	1457	921	1457
80°	770	1224	770	1224
85°	637	963	726	963



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	0.8
10°-20°	129.0	2.3
20°-30°	204.5	3.7
30°-40°	246.6	4.4
40°-50°	220.2	3.9
50°-60°	168.9	3.0
60°-70°	109.7	2.0
70°-80°	53.3	1.0
80°-90°	16.2	0.3
90°-100°	105.8	1.9
100°-110°	312.5	5.6
110°-120°	529.3	9.4
120°-130°	696.6	12.4
130°-140°	780.6	13.9
140°-150°	765.0	13.7
150°-160°	642.6	11.5
160°-170°	427.1	7.6
170°-180°	149.5	2.7
0°-30°	377.5	6.7
0°-40°	624.0	11.1
0°-60°	1013.1	18.1
0°-90°	1192.4	21.3
90°-120°	947.6	16.9
90°-150°	3189.8	56.9
90°-180°	4409.0	78.7
0°-180°	5601.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	459	459	459	459	459	
5°	526	458	404	458	526	53
15°	632	437	307	437	632	181
25°	757	399	247	399	757	347
35°	628	347	202	347	628	379
45°	281	273	159	273	281	224
55°	154	193	119	193	154	140
65°	87	120	70	120	87	87
75°	41	58	37	58	41	43
85°	9	13	10	13	9	11
90°	30	1	30	1	30	17
95°	106	80	106	80	106	108
105°	305	280	305	280	305	323
115°	535	530	535	530	535	529
125°	778	773	778	773	778	695
135°	1010	1006	1010	1006	1010	779
145°	1223	1218	1223	1218	1223	764
155°	1394	1394	1394	1394	1394	642
165°	1512	1516	1512	1516	1512	426
175°	1570	1576	1570	1576	1570	149
180°	1580	1580	1580	1580	1580	



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	482.7	482.4	483.1	481.4	481.5	479.0	479.0	477.0	474.4	472.5	471.6
5°	525.9	526.4	525.6	522.8	520.9	518.0	514.9	509.2	504.5	499.9	496.4
7.5°	570.5	570.8	568.3	567.4	562.6	559.2	552.1	544.4	537.6	528.9	522.3
10°	596.5	596.2	593.6	591.5	587.4	582.1	575.1	566.1	557.7	548.2	539.2
12.5°	611.5	611.0	610.2	607.6	603.8	599.2	593.2	584.3	573.9	563.6	553.0
15°	631.9	630.6	628.1	624.8	619.4	613.9	607.4	599.5	589.5	577.8	568.0
17.5°	657.0	657.0	653.3	648.8	641.4	631.8	621.6	608.9	595.3	582.4	572.0
20°	677.8	677.3	673.5	664.8	656.3	644.2	632.6	616.9	600.4	583.6	570.6
22.5°	707.7	706.2	702.3	690.9	677.8	662.2	644.3	625.3	605.2	586.2	569.1
25°	756.6	755.5	747.7	734.5	716.1	692.1	668.8	642.6	613.8	588.7	568.0
27.5°	790.0	788.8	783.0	772.1	755.0	729.9	698.3	663.2	627.3	592.8	563.0
30°	786.7	789.5	788.8	783.7	770.9	748.3	719.1	679.7	636.9	596.5	560.8
32.5°	739.4	741.9	748.5	758.6	759.3	750.2	728.4	692.0	647.8	601.7	559.1
35°	627.7	631.1	643.9	664.1	690.5	712.5	717.0	697.4	657.6	608.1	556.7
37.5°	482.6	501.1	511.9	533.1	573.0	613.5	652.5	666.8	650.0	605.4	552.7
40°	409.9	414.4	433.7	457.6	491.1	533.3	588.9	629.0	630.3	599.5	546.3
42.5°	350.8	356.6	369.7	388.9	417.6	459.7	517.1	570.1	594.6	582.9	538.0
45°	280.7	285.0	294.6	309.3	331.3	366.2	415.6	476.8	525.4	544.5	515.8
47.5°	230.6	232.9	241.2	252.5	268.8	294.2	332.4	385.6	443.8	484.7	480.7
50°	203.5	206.1	212.5	220.9	234.7	256.2	286.7	331.0	391.1	441.0	451.0
52.5°	182.4	184.6	188.6	196.6	207.9	224.4	249.1	289.1	343.2	396.2	419.4
55°	154.1	155.6	158.8	163.3	172.4	184.3	205.5	233.3	277.0	330.4	364.4
57.5°	130.9	131.6	133.6	137.8	144.1	152.7	168.1	191.5	222.9	271.1	308.5
60°	116.0	116.8	119.4	122.3	127.2	135.1	147.2	163.5	193.6	233.4	271.3
62.5°	104.3	104.8	105.9	108.7	113.0	119.1	128.6	141.9	165.9	200.9	236.6
65°	87.4	87.6	88.0	90.3	92.9	97.4	103.6	113.0	131.1	157.5	189.1
67.5°	71.2	71.5	72.8	73.6	76.3	78.7	82.3	89.5	102.3	120.1	144.7
70°	62.2	62.0	63.3	64.2	65.1	68.0	70.4	76.3	84.2	97.8	118.3
72.5°	53.7	53.2	53.8	54.1	55.4	57.3	59.8	63.3	69.5	78.8	94.5
75°	40.7	40.8	40.8	41.3	42.2	43.0	43.7	45.6	49.0	55.2	63.7
77.5°	28.5	28.3	29.0	29.2	29.8	30.6	31.2	32.0	33.3	35.9	40.3
80°	20.7	20.7	20.9	21.4	21.3	21.7	22.6	23.4	25.0	26.6	28.0
82.5°	15.9	15.7	15.9	16.1	16.0	16.4	16.7	16.9	17.5	18.3	19.3
85°	8.6	8.6	8.9	8.9	9.0	9.0	9.2	9.2	9.2	9.5	9.6
87.5°	9.2	8.9	8.6	8.4	8.4	8.5	8.1	7.7	7.3	7.1	6.8
90°	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4	21.0	19.6	17.8
92.5°	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8	49.0	47.2	44.8
95°	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5	96.6	94.7	92.0
97.5°	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3	152.5	150.7	147.0
100°	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1	190.6	188.1	184.6
102.5°	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8	230.2	227.5	225.7
105°	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2	295.5	293.9	292.2
107.5°	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6	365.7	364.9	363.7
110°	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8	413.9	413.1	412.3



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	471.6	470.5	468.6	466.8	464.5	462.5	461.1	459.5	457.4	454.9	452.7
5°	492.4	488.3	482.8	478.1	472.1	467.4	462.5	457.8	453.1	447.0	441.7
7.5°	515.6	507.0	498.7	488.2	478.7	470.3	462.1	453.9	445.8	437.2	429.0
10°	529.8	519.3	507.9	494.7	482.7	471.2	460.6	450.2	439.3	429.7	419.4
12.5°	543.0	529.6	516.5	499.9	485.3	471.3	457.9	445.0	433.3	420.9	409.7
15°	555.0	541.8	527.1	506.8	486.6	469.6	453.8	437.1	422.6	408.6	396.2
17.5°	559.6	545.8	528.7	509.2	487.1	465.8	445.4	427.1	409.9	393.7	379.8
20°	557.8	544.5	526.9	508.3	484.7	462.5	440.4	420.1	401.0	383.9	369.1
22.5°	553.4	539.6	522.7	503.0	480.6	457.1	433.5	411.8	391.9	374.1	357.9
25°	546.9	528.1	510.7	491.5	470.2	446.9	422.6	398.6	377.3	359.2	341.5
27.5°	540.1	516.6	494.5	475.4	452.9	432.1	408.6	384.1	361.7	343.3	325.1
30°	533.9	507.5	483.2	461.5	440.3	420.4	398.3	374.3	351.3	332.3	313.9
32.5°	526.2	498.1	471.5	446.5	425.9	406.3	386.2	363.3	341.0	321.3	302.6
35°	516.6	480.8	451.8	425.2	402.4	383.4	365.3	346.8	324.4	304.0	285.8
37.5°	503.9	463.3	429.7	400.8	376.7	357.7	343.3	326.4	306.0	286.6	269.6
40°	496.2	450.6	413.9	385.2	360.0	339.8	326.4	312.2	293.5	275.2	258.3
42.5°	486.0	439.0	397.9	368.1	342.7	323.3	309.7	297.3	281.6	264.4	246.2
45°	465.9	416.5	373.4	341.4	315.8	296.7	284.1	273.0	261.1	245.2	229.4
47.5°	439.8	393.1	347.9	312.9	287.9	270.2	258.0	249.2	240.7	227.2	211.9
50°	418.8	373.7	329.7	295.8	269.0	252.3	240.8	233.8	226.1	213.9	201.0
52.5°	394.0	353.8	310.7	276.1	250.8	235.1	224.0	217.0	210.7	200.7	188.5
55°	355.1	319.8	280.3	248.8	225.7	209.9	199.3	192.7	189.0	180.5	170.9
57.5°	310.1	284.9	250.1	219.7	199.2	183.6	175.9	170.2	166.0	160.0	153.2
60°	278.8	261.1	229.8	201.0	182.1	167.3	160.3	155.6	151.6	146.6	141.3
62.5°	247.0	234.2	206.9	182.1	164.9	152.4	145.9	141.6	137.1	133.6	128.5
65°	204.4	192.9	174.1	154.7	138.7	128.7	123.9	120.2	117.4	113.6	110.0
67.5°	159.0	154.3	141.3	127.9	116.4	107.5	103.5	100.9	97.5	95.2	92.8
70°	131.1	128.8	119.6	110.8	100.0	94.0	90.3	89.1	85.0	82.7	81.0
72.5°	106.4	105.3	100.0	93.9	86.3	81.0	77.6	76.3	73.6	71.8	70.8
75°	72.9	73.3	72.3	68.4	65.6	62.2	59.2	58.4	56.5	55.0	54.1
77.5°	46.1	48.0	48.1	47.9	46.8	44.8	43.5	42.9	41.1	40.5	40.3
80°	31.6	33.8	35.6	35.4	35.1	34.5	33.5	32.9	32.0	31.5	31.1
82.5°	21.1	23.0	24.6	25.6	25.5	24.9	24.4	24.1	23.9	23.5	23.4
85°	9.9	10.4	10.9	12.2	13.2	13.4	13.2	13.0	12.5	12.6	12.8
87.5°	6.6	6.3	6.0	5.6	5.1	5.3	5.4	5.1	5.2	5.3	5.5
90°	15.8	13.9	12.0	9.9	7.8	5.6	3.4	1.2	3.4	5.6	7.8
92.5°	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8	31.3	32.9	34.3
95°	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9	80.5	81.0	81.5
97.5°	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8	133.0	133.2	133.5
100°	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1
102.5°	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4	215.6	216.6	217.7
105°	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4	281.7	283.1	284.5
107.5°	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1	354.5	355.9	357.3
110°	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3	404.7	406.0	407.4



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	451.2	449.1	447.6	444.6	442.5	441.6	439.9	439.4	441.2	439.9	439.8
5°	437.8	432.4	428.0	423.7	419.0	416.0	411.4	410.7	409.5	407.9	407.5
7.5°	421.8	414.6	409.0	401.9	395.7	390.6	385.0	382.3	380.8	378.6	375.7
10°	410.9	402.4	394.8	387.7	380.0	373.7	368.1	363.8	360.9	358.3	357.2
12.5°	400.1	391.5	381.9	373.2	364.6	357.7	351.4	348.5	345.4	342.3	339.7
15°	383.5	372.1	361.5	351.6	344.2	336.6	330.6	326.4	321.8	320.4	315.4
17.5°	365.9	354.7	342.3	331.8	323.3	315.0	308.3	303.6	300.1	295.2	292.9
20°	354.9	341.5	329.5	319.8	310.5	300.7	293.9	289.9	286.6	282.6	280.7
22.5°	343.2	330.1	317.7	306.5	296.9	287.2	282.4	278.3	274.5	270.8	268.3
25°	325.9	312.7	299.7	288.0	278.1	271.1	265.5	260.7	258.7	255.1	252.4
27.5°	308.8	294.8	281.4	269.7	261.9	254.9	250.3	246.6	242.9	239.8	237.4
30°	297.8	283.6	268.8	259.6	251.3	244.8	239.6	236.0	233.3	230.4	228.7
32.5°	286.8	272.1	259.0	249.1	241.2	235.5	230.3	226.8	223.9	220.8	218.7
35°	269.2	254.1	243.6	233.8	226.1	220.8	217.2	212.3	209.9	207.6	205.5
37.5°	252.8	238.8	227.4	218.8	212.1	206.8	202.2	199.6	196.6	194.5	192.8
40°	240.8	228.0	217.6	208.6	203.7	197.8	193.5	190.0	187.8	185.2	183.3
42.5°	229.9	218.0	207.9	199.8	193.7	188.7	184.6	181.2	178.3	176.4	174.9
45°	214.6	202.7	192.9	185.4	179.7	175.0	170.6	169.0	165.2	163.0	162.2
47.5°	198.7	188.1	178.6	171.7	165.9	161.4	157.4	153.9	151.8	149.6	148.4
50°	188.0	177.8	169.0	162.2	156.5	151.6	147.9	145.6	142.8	140.7	139.3
52.5°	177.3	167.9	159.1	152.5	147.7	142.8	138.5	136.3	133.6	132.3	131.3
55°	162.0	152.1	144.5	138.1	133.0	128.5	124.5	122.3	120.6	119.3	118.9
57.5°	144.7	136.8	129.8	124.0	118.7	114.5	111.0	108.8	107.4	107.1	106.0
60°	133.4	126.2	119.8	113.6	109.1	105.1	102.1	99.6	98.2	98.0	97.6
62.5°	122.1	115.2	109.3	103.8	99.7	96.0	93.0	90.3	89.4	88.5	87.6
65°	105.3	99.1	94.2	89.8	85.5	82.3	79.5	77.8	75.7	74.6	72.6
67.5°	88.9	84.1	79.3	75.7	72.2	69.2	66.9	64.3	62.9	62.0	60.6
70°	78.0	74.2	69.5	65.6	62.9	60.5	58.6	55.8	54.8	54.1	53.3
72.5°	67.8	64.4	60.5	57.2	54.6	52.3	50.1	48.8	47.9	47.1	46.7
75°	53.3	50.1	46.7	44.4	42.6	40.7	39.5	38.6	38.2	38.1	37.3
77.5°	39.1	37.4	34.7	32.9	31.7	30.9	29.9	29.4	29.4	28.5	28.3
80°	29.9	29.0	26.7	26.0	25.0	24.3	23.7	22.8	21.9	21.4	20.9
82.5°	22.3	21.4	20.4	19.2	18.4	17.9	17.4	17.0	17.2	16.6	16.4
85°	11.9	10.9	10.5	10.4	9.9	10.4	10.2	9.9	9.8	9.6	9.8
87.5°	5.8	6.2	6.4	7.1	7.0	7.6	7.8	7.9	8.2	8.5	8.6
90°	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4	23.8	25.1	26.3
92.5°	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8	52.6	54.5	55.6
95°	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5	100.4	102.3	103.5
97.5°	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3	156.1	157.9	159.1
100°	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1	195.5	198.0	199.5
102.5°	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8	235.5	238.1	239.9
105°	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2	298.8	300.4	301.7
107.5°	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6	367.4	368.2	368.6
110°	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8	415.6	416.5	416.7



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.6	438.0	437.5	438.1	437.5	438.0	439.6	439.8	439.9	441.2	439.4
5°	405.6	403.7	404.6	404.3	404.6	403.7	405.6	407.5	407.9	409.5	410.7
7.5°	375.7	373.3	370.9	371.6	370.9	373.3	375.7	375.7	378.6	380.8	382.3
10°	354.7	352.9	351.7	352.7	351.7	352.9	354.7	357.2	358.3	360.9	363.8
12.5°	337.1	336.0	335.0	334.6	335.0	336.0	337.1	339.7	342.3	345.4	348.5
15°	313.1	310.9	309.9	307.4	309.9	310.9	313.1	315.4	320.4	321.8	326.4
17.5°	291.0	290.2	287.8	286.7	287.8	290.2	291.0	292.9	295.2	300.1	303.6
20°	277.9	277.1	274.7	276.1	274.7	277.1	277.9	280.7	282.6	286.6	289.9
22.5°	267.0	265.4	264.6	264.2	264.6	265.4	267.0	268.3	270.8	274.5	278.3
25°	251.7	249.2	248.3	247.2	248.3	249.2	251.7	252.4	255.1	258.7	260.7
27.5°	236.4	235.1	233.8	233.5	233.8	235.1	236.4	237.4	239.8	242.9	246.6
30°	226.4	225.1	224.2	224.2	224.2	225.1	226.4	228.7	230.4	233.3	236.0
32.5°	217.5	216.5	215.6	215.4	215.6	216.5	217.5	218.7	220.8	223.9	226.8
35°	204.6	203.1	202.7	201.5	202.7	203.1	204.6	205.5	207.6	209.9	212.3
37.5°	191.1	189.9	189.9	189.7	189.9	189.9	191.1	192.8	194.5	196.6	199.6
40°	182.5	181.6	181.4	180.1	181.4	181.6	182.5	183.3	185.2	187.8	190.0
42.5°	173.3	172.8	172.2	171.6	172.2	172.8	173.3	174.9	176.4	178.3	181.2
45°	160.9	159.6	159.6	158.7	159.6	159.6	160.9	162.2	163.0	165.2	169.0
47.5°	148.0	147.0	147.1	146.1	147.1	147.0	148.0	148.4	149.6	151.8	153.9
50°	139.4	138.8	138.7	138.3	138.7	138.8	139.4	139.3	140.7	142.8	145.6
52.5°	130.9	130.5	131.3	130.4	131.3	130.5	130.9	131.3	132.3	133.6	136.3
55°	119.3	118.7	119.8	118.7	119.8	118.7	119.3	118.9	119.3	120.6	122.3
57.5°	106.0	105.4	106.5	105.9	106.5	105.4	106.0	106.0	107.1	107.4	108.8
60°	97.2	96.0	96.6	96.9	96.6	96.0	97.2	97.6	98.0	98.2	99.6
62.5°	86.8	86.1	86.6	85.7	86.6	86.1	86.8	87.6	88.5	89.4	90.3
65°	72.2	71.6	70.8	70.4	70.8	71.6	72.2	72.6	74.6	75.7	77.8
67.5°	60.7	59.3	59.2	59.5	59.2	59.3	60.7	60.6	62.0	62.9	64.3
70°	52.2	52.2	52.0	52.0	52.0	52.2	52.2	53.3	54.1	54.8	55.8
72.5°	46.3	46.1	45.8	45.7	45.8	46.1	46.3	46.7	47.1	47.9	48.8
75°	37.3	37.5	37.1	36.9	37.1	37.5	37.3	37.3	38.1	38.2	38.6
77.5°	27.6	26.7	27.1	26.7	27.1	26.7	27.6	28.3	28.5	29.4	29.4
80°	20.9	20.7	21.3	20.7	21.3	20.7	20.9	20.9	21.4	21.9	22.8
82.5°	16.6	16.4	16.6	16.2	16.6	16.4	16.6	16.4	16.6	17.2	17.0
85°	9.9	9.8	9.6	9.8	9.6	9.8	9.9	9.8	9.6	9.8	9.9
87.5°	8.9	8.9	9.0	9.2	9.0	8.9	8.9	8.6	8.5	8.2	7.9
90°	27.1	27.9	28.7	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4
92.5°	56.3	56.8	57.4	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8
95°	104.1	104.7	105.2	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5
97.5°	159.4	159.7	160.0	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3
100°	200.0	200.6	201.1	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1
102.5°	240.7	241.4	242.2	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8
105°	302.5	303.3	304.1	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2
107.5°	368.5	368.5	368.4	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6
110°	416.5	416.1	415.9	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.9	441.6	442.5	444.6	447.6	449.1	451.2	452.7	454.9	457.4	459.5
5°	411.4	416.0	419.0	423.7	428.0	432.4	437.8	441.7	447.0	453.1	457.8
7.5°	385.0	390.6	395.7	401.9	409.0	414.6	421.8	429.0	437.2	445.8	453.9
10°	368.1	373.7	380.0	387.7	394.8	402.4	410.9	419.4	429.7	439.3	450.2
12.5°	351.4	357.7	364.6	373.2	381.9	391.5	400.1	409.7	420.9	433.3	445.0
15°	330.6	336.6	344.2	351.6	361.5	372.1	383.5	396.2	408.6	422.6	437.1
17.5°	308.3	315.0	323.3	331.8	342.3	354.7	365.9	379.8	393.7	409.9	427.1
20°	293.9	300.7	310.5	319.8	329.5	341.5	354.9	369.1	383.9	401.0	420.1
22.5°	282.4	287.2	296.9	306.5	317.7	330.1	343.2	357.9	374.1	391.9	411.8
25°	265.5	271.1	278.1	288.0	299.7	312.7	325.9	341.5	359.2	377.3	398.6
27.5°	250.3	254.9	261.9	269.7	281.4	294.8	308.8	325.1	343.3	361.7	384.1
30°	239.6	244.8	251.3	259.6	268.8	283.6	297.8	313.9	332.3	351.3	374.3
32.5°	230.3	235.5	241.2	249.1	259.0	272.1	286.8	302.6	321.3	341.0	363.3
35°	217.2	220.8	226.1	233.8	243.6	254.1	269.2	285.8	304.0	324.4	346.8
37.5°	202.2	206.8	212.1	218.8	227.4	238.8	252.8	269.6	286.6	306.0	326.4
40°	193.5	197.8	203.7	208.6	217.6	228.0	240.8	258.3	275.2	293.5	312.2
42.5°	184.6	188.7	193.7	199.8	207.9	218.0	229.9	246.2	264.4	281.6	297.3
45°	170.6	175.0	179.7	185.4	192.9	202.7	214.6	229.4	245.2	261.1	273.0
47.5°	157.4	161.4	165.9	171.7	178.6	188.1	198.7	211.9	227.2	240.7	249.2
50°	147.9	151.6	156.5	162.2	169.0	177.8	188.0	201.0	213.9	226.1	233.8
52.5°	138.5	142.8	147.7	152.5	159.1	167.9	177.3	188.5	200.7	210.7	217.0
55°	124.5	128.5	133.0	138.1	144.5	152.1	162.0	170.9	180.5	189.0	192.7
57.5°	111.0	114.5	118.7	124.0	129.8	136.8	144.7	153.2	160.0	166.0	170.2
60°	102.1	105.1	109.1	113.6	119.8	126.2	133.4	141.3	146.6	151.6	155.6
62.5°	93.0	96.0	99.7	103.8	109.3	115.2	122.1	128.5	133.6	137.1	141.6
65°	79.5	82.3	85.5	89.8	94.2	99.1	105.3	110.0	113.6	117.4	120.2
67.5°	66.9	69.2	72.2	75.7	79.3	84.1	88.9	92.8	95.2	97.5	100.9
70°	58.6	60.5	62.9	65.6	69.5	74.2	78.0	81.0	82.7	85.0	89.1
72.5°	50.1	52.3	54.6	57.2	60.5	64.4	67.8	70.8	71.8	73.6	76.3
75°	39.5	40.7	42.6	44.4	46.7	50.1	53.3	54.1	55.0	56.5	58.4
77.5°	29.9	30.9	31.7	32.9	34.7	37.4	39.1	40.3	40.5	41.1	42.9
80°	23.7	24.3	25.0	26.0	26.7	29.0	29.9	31.1	31.5	32.0	32.9
82.5°	17.4	17.9	18.4	19.2	20.4	21.4	22.3	23.4	23.5	23.9	24.1
85°	10.2	10.4	9.9	10.4	10.5	10.9	11.9	12.8	12.6	12.5	13.0
87.5°	7.8	7.6	7.0	7.1	6.4	6.2	5.8	5.5	5.3	5.2	5.1
90°	21.0	19.6	17.8	15.8	13.9	12.0	9.9	7.8	5.6	3.4	1.2
92.5°	49.0	47.2	44.8	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8
95°	96.6	94.7	92.0	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9
97.5°	152.5	150.7	147.0	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8
100°	190.6	188.1	184.6	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1
102.5°	230.2	227.5	225.7	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4
105°	295.5	293.9	292.2	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4
107.5°	365.7	364.9	363.7	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1
110°	413.9	413.1	412.3	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	461.1	462.5	464.5	466.8	468.6	470.5	471.6	471.6	472.5	474.4	477.0
5°	462.5	467.4	472.1	478.1	482.8	488.3	492.4	496.4	499.9	504.5	509.2
7.5°	462.1	470.3	478.7	488.2	498.7	507.0	515.6	522.3	528.9	537.6	544.4
10°	460.6	471.2	482.7	494.7	507.9	519.3	529.8	539.2	548.2	557.7	566.1
12.5°	457.9	471.3	485.3	499.9	516.5	529.6	543.0	553.0	563.6	573.9	584.3
15°	453.8	469.6	486.6	506.8	527.1	541.8	555.0	568.0	577.8	589.5	599.5
17.5°	445.4	465.8	487.1	509.2	528.7	545.8	559.6	572.0	582.4	595.3	608.9
20°	440.4	462.5	484.7	508.3	526.9	544.5	557.8	570.6	583.6	600.4	616.9
22.5°	433.5	457.1	480.6	503.0	522.7	539.6	553.4	569.1	586.2	605.2	625.3
25°	422.6	446.9	470.2	491.5	510.7	528.1	546.9	568.0	588.7	613.8	642.6
27.5°	408.6	432.1	452.9	475.4	494.5	516.6	540.1	563.0	592.8	627.3	663.2
30°	398.3	420.4	440.3	461.5	483.2	507.5	533.9	560.8	596.5	636.9	679.7
32.5°	386.2	406.3	425.9	446.5	471.5	498.1	526.2	559.1	601.7	647.8	692.0
35°	365.3	383.4	402.4	425.2	451.8	480.8	516.6	556.7	608.1	657.6	697.4
37.5°	343.3	357.7	376.7	400.8	429.7	463.3	503.9	552.7	605.4	650.0	666.8
40°	326.4	339.8	360.0	385.2	413.9	450.6	496.2	546.3	599.5	630.3	629.0
42.5°	309.7	323.3	342.7	368.1	397.9	439.0	486.0	538.0	582.9	594.6	570.1
45°	284.1	296.7	315.8	341.4	373.4	416.5	465.9	515.8	544.5	525.4	476.8
47.5°	258.0	270.2	287.9	312.9	347.9	393.1	439.8	480.7	484.7	443.8	385.6
50°	240.8	252.3	269.0	295.8	329.7	373.7	418.8	451.0	441.0	391.1	331.0
52.5°	224.0	235.1	250.8	276.1	310.7	353.8	394.0	419.4	396.2	343.2	289.1
55°	199.3	209.9	225.7	248.8	280.3	319.8	355.1	364.4	330.4	277.0	233.3
57.5°	175.9	183.6	199.2	219.7	250.1	284.9	310.1	308.5	271.1	222.9	191.5
60°	160.3	167.3	182.1	201.0	229.8	261.1	278.8	271.3	233.4	193.6	163.5
62.5°	145.9	152.4	164.9	182.1	206.9	234.2	247.0	236.6	200.9	165.9	141.9
65°	123.9	128.7	138.7	154.7	174.1	192.9	204.4	189.1	157.5	131.1	113.0
67.5°	103.5	107.5	116.4	127.9	141.3	154.3	159.0	144.7	120.1	102.3	89.5
70°	90.3	94.0	100.0	110.8	119.6	128.8	131.1	118.3	97.8	84.2	76.3
72.5°	77.6	81.0	86.3	93.9	100.0	105.3	106.4	94.5	78.8	69.5	63.3
75°	59.2	62.2	65.6	68.4	72.3	73.3	72.9	63.7	55.2	49.0	45.6
77.5°	43.5	44.8	46.8	47.9	48.1	48.0	46.1	40.3	35.9	33.3	32.0
80°	33.5	34.5	35.1	35.4	35.6	33.8	31.6	28.0	26.6	25.0	23.4
82.5°	24.4	24.9	25.5	25.6	24.6	23.0	21.1	19.3	18.3	17.5	16.9
85°	13.2	13.4	13.2	12.2	10.9	10.4	9.9	9.6	9.5	9.2	9.2
87.5°	5.4	5.3	5.1	5.6	6.0	6.3	6.6	6.8	7.1	7.3	7.7
90°	3.4	5.6	7.8	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4
92.5°	31.3	32.9	34.3	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8
95°	80.5	81.0	81.5	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5
97.5°	133.0	133.2	133.5	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3
100°	172.1	172.1	172.1	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1
102.5°	215.6	216.6	217.7	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8
105°	281.7	283.1	284.5	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2
107.5°	354.5	355.9	357.3	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6
110°	404.7	406.0	407.4	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	479.0	479.0	481.5	481.4	483.1	482.4	482.7
5°	514.9	518.0	520.9	522.8	525.6	526.4	525.9
7.5°	552.1	559.2	562.6	567.4	568.3	570.8	570.5
10°	575.1	582.1	587.4	591.5	593.6	596.2	596.5
12.5°	593.2	599.2	603.8	607.6	610.2	611.0	611.5
15°	607.4	613.9	619.4	624.8	628.1	630.6	631.9
17.5°	621.6	631.8	641.4	648.8	653.3	657.0	657.0
20°	632.6	644.2	656.3	664.8	673.5	677.3	677.8
22.5°	644.3	662.2	677.8	690.9	702.3	706.2	707.7
25°	668.8	692.1	716.1	734.5	747.7	755.5	756.6
27.5°	698.3	729.9	755.0	772.1	783.0	788.8	790.0
30°	719.1	748.3	770.9	783.7	788.8	789.5	786.7
32.5°	728.4	750.2	759.3	758.6	748.5	741.9	739.4
35°	717.0	712.5	690.5	664.1	643.9	631.1	627.7
37.5°	652.5	613.5	573.0	533.1	511.9	501.1	482.6
40°	588.9	533.3	491.1	457.6	433.7	414.4	409.9
42.5°	517.1	459.7	417.6	388.9	369.7	356.6	350.8
45°	415.6	366.2	331.3	309.3	294.6	285.0	280.7
47.5°	332.4	294.2	268.8	252.5	241.2	232.9	230.6
50°	286.7	256.2	234.7	220.9	212.5	206.1	203.5
52.5°	249.1	224.4	207.9	196.6	188.6	184.6	182.4
55°	205.5	184.3	172.4	163.3	158.8	155.6	154.1
57.5°	168.1	152.7	144.1	137.8	133.6	131.6	130.9
60°	147.2	135.1	127.2	122.3	119.4	116.8	116.0
62.5°	128.6	119.1	113.0	108.7	105.9	104.8	104.3
65°	103.6	97.4	92.9	90.3	88.0	87.6	87.4
67.5°	82.3	78.7	76.3	73.6	72.8	71.5	71.2
70°	70.4	68.0	65.1	64.2	63.3	62.0	62.2
72.5°	59.8	57.3	55.4	54.1	53.8	53.2	53.7
75°	43.7	43.0	42.2	41.3	40.8	40.8	40.7
77.5°	31.2	30.6	29.8	29.2	29.0	28.3	28.5
80°	22.6	21.7	21.3	21.4	20.9	20.7	20.7
82.5°	16.7	16.4	16.0	16.1	15.9	15.7	15.9
85°	9.2	9.0	9.0	8.9	8.9	8.6	8.6
87.5°	8.1	8.5	8.4	8.4	8.6	8.9	9.2
90°	23.8	25.1	26.3	27.1	27.9	28.7	29.5
92.5°	52.6	54.5	55.6	56.3	56.8	57.4	58.0
95°	100.4	102.3	103.5	104.1	104.7	105.2	105.7
97.5°	156.1	157.9	159.1	159.4	159.7	160.0	160.4
100°	195.5	198.0	199.5	200.0	200.6	201.1	201.6
102.5°	235.5	238.1	239.9	240.7	241.4	242.2	243.0
105°	298.8	300.4	301.7	302.5	303.3	304.1	304.9
107.5°	367.4	368.2	368.6	368.5	368.5	368.4	368.4
110°	415.6	416.5	416.7	416.5	416.1	415.9	415.6



TEST NUMBER: P333657-930

CATALOG NUMBER: S125RDIW-S375D1560U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)