

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: P333653-830

Luminaire Tested: **S125RDIW-S375D1340U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333653-830
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-S375D1340U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5761.9 lumens
Efficiency: N/A
Efficacy: 123.6 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

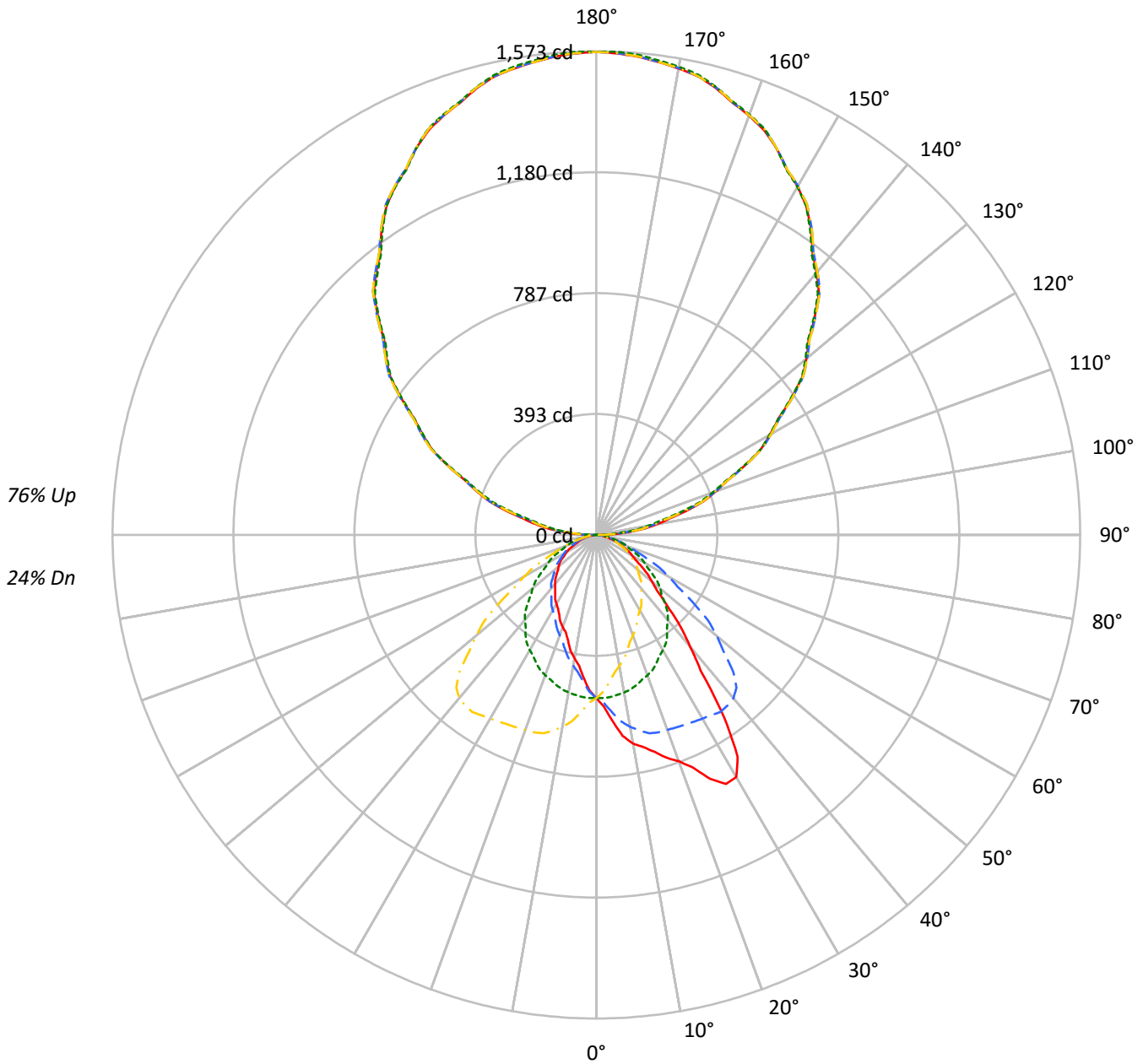
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

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	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	92	88	84	81	82	78	75	73	60	58	57	44	43	42	29	28	27	21
2	84	77	71	66	74	69	64	60	53	50	47	39	37	35	25	24	23	17
3	77	68	61	55	68	61	55	50	47	43	40	34	32	30	23	21	20	15
4	70	60	53	47	62	54	47	42	42	37	34	31	28	26	20	19	17	13
5	64	53	46	40	57	48	41	36	37	33	29	27	24	22	18	17	15	11
6	59	48	40	35	52	43	36	31	33	29	25	25	22	19	17	15	13	10
7	55	43	35	30	48	39	32	27	30	26	22	22	19	17	15	13	12	9
8	50	39	31	26	45	35	29	24	27	23	20	20	17	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	13	13	11	10	7
10	44	32	25	21	39	29	23	19	23	19	16	17	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3427	3427	3427	3427
5°	3942	3431	3030	3431
10°	4522	3413	2674	3413
15°	4884	3379	2376	3379
20°	5386	3338	2194	3338
25°	6233	3284	2037	3284
30°	6783	3227	1933	3227
35°	5722	3162	1837	3162
40°	3995	3043	1755	3043
45°	2964	2883	1675	2883
50°	2364	2716	1607	2716
55°	2005	2509	1545	2509
60°	1732	2324	1447	2324
65°	1543	2123	1244	2123
70°	1358	1945	1135	1945
75°	1173	1684	1065	1684
80°	889	1417	889	1417
85°	741	1112	837	1112



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	0.9
10°-20°	149.1	2.6
20°-30°	236.4	4.1
30°-40°	285.1	4.9
40°-50°	254.6	4.4
50°-60°	195.2	3.4
60°-70°	126.9	2.2
70°-80°	61.7	1.1
80°-90°	18.1	0.3
90°-100°	105.2	1.8
100°-110°	310.7	5.4
110°-120°	526.3	9.1
120°-130°	692.7	12.0
130°-140°	776.1	13.5
140°-150°	760.7	13.2
150°-160°	638.9	11.1
160°-170°	424.7	7.4
170°-180°	148.6	2.6
0°-30°	436.4	7.6
0°-40°	721.4	12.5
0°-60°	1171.3	20.3
0°-90°	1377.9	23.9
90°-120°	942.3	16.4
90°-150°	3171.8	55.0
90°-180°	4384.0	76.1
0°-180°	5761.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	531	531	531	531	531	
5°	608	529	467	529	608	61
15°	730	505	355	505	730	209
25°	875	461	286	461	875	402
35°	726	401	233	401	726	438
45°	324	316	183	316	324	259
55°	178	223	137	223	178	162
65°	101	139	81	139	101	101
75°	47	68	43	68	47	50
85°	10	15	11	15	10	12
90°	29	1	29	1	29	17
95°	105	80	105	80	105	107
105°	303	279	303	279	303	321
115°	532	527	532	527	532	526
125°	774	769	774	769	774	691
135°	1004	1000	1004	1000	1004	774
145°	1216	1212	1216	1212	1216	759
155°	1386	1386	1386	1386	1386	638
165°	1504	1508	1504	1508	1504	424
175°	1561	1567	1561	1567	1561	148
180°	1571	1571	1571	1571	1571	



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	558.1	557.7	558.5	556.5	556.7	553.7	553.7	551.5	548.5	546.2	545.2
5°	608.0	608.5	607.7	604.4	602.2	598.9	595.2	588.7	583.2	578.0	573.9
7.5°	659.6	659.9	657.0	656.0	650.4	646.5	638.3	629.3	621.5	611.4	603.8
10°	689.6	689.3	686.3	683.8	679.1	673.0	664.9	654.5	644.7	633.8	623.3
12.5°	706.9	706.3	705.4	702.5	698.0	692.7	685.8	675.5	663.5	651.6	639.3
15°	730.5	729.0	726.1	722.4	716.0	709.7	702.2	693.1	681.5	668.0	656.7
17.5°	759.6	759.6	755.3	750.1	741.5	730.4	718.6	703.9	688.2	673.4	661.3
20°	783.6	783.0	778.6	768.5	758.7	744.8	731.3	713.2	694.1	674.7	659.7
22.5°	818.1	816.4	811.9	798.7	783.5	765.5	744.9	722.8	699.6	677.7	657.9
25°	874.7	873.4	864.4	849.1	827.8	800.1	773.2	742.9	709.5	680.6	656.7
27.5°	913.3	911.9	905.2	892.6	872.9	843.8	807.3	766.8	725.2	685.3	650.8
30°	909.5	912.8	911.9	906.0	891.2	865.1	831.3	785.8	736.3	689.6	648.4
32.5°	854.8	857.7	865.3	876.9	877.8	867.3	842.1	800.0	748.9	695.6	646.4
35°	725.7	729.6	744.4	767.7	798.2	823.7	828.9	806.3	760.3	703.0	643.6
37.5°	557.9	579.3	591.8	616.3	662.4	709.3	754.3	770.9	751.4	699.9	638.9
40°	473.9	479.1	501.3	529.0	567.8	616.5	680.8	727.2	728.7	693.1	631.6
42.5°	405.6	412.3	427.4	449.6	482.8	531.5	597.9	659.1	687.4	673.8	622.0
45°	324.5	329.5	340.6	357.6	383.0	423.4	480.4	551.2	607.4	629.4	596.3
47.5°	266.6	269.3	278.9	291.9	310.8	340.1	384.3	445.7	513.1	560.3	555.7
50°	235.3	238.3	245.6	255.4	271.4	296.1	331.5	382.7	452.1	509.8	521.4
52.5°	210.8	213.4	218.0	227.2	240.3	259.4	287.9	334.2	396.7	458.1	484.8
55°	178.1	179.9	183.6	188.8	199.3	213.0	237.6	269.7	320.2	382.0	421.2
57.5°	151.3	152.1	154.5	159.3	166.5	176.5	194.4	221.4	257.7	313.4	356.7
60°	134.1	135.1	138.1	141.4	147.0	156.2	170.1	189.1	223.9	269.8	313.6
62.5°	120.6	121.1	122.4	125.6	130.6	137.7	148.6	164.1	191.8	232.2	273.5
65°	101.0	101.2	101.7	104.3	107.4	112.6	119.8	130.6	151.6	182.1	218.7
67.5°	82.3	82.7	84.2	85.1	88.2	91.0	95.2	103.5	118.3	138.8	167.3
70°	71.9	71.6	73.1	74.3	75.3	78.6	81.4	88.2	97.4	113.0	136.8
72.5°	62.1	61.5	62.2	62.6	64.0	66.3	69.1	73.2	80.3	91.0	109.2
75°	47.0	47.2	47.2	47.7	48.8	49.7	50.5	52.7	56.6	63.8	73.6
77.5°	33.0	32.7	33.6	33.7	34.4	35.3	36.1	36.9	38.5	41.5	46.6
80°	23.9	23.9	24.1	24.8	24.6	25.1	26.1	27.1	28.9	30.7	32.4
82.5°	18.4	18.2	18.4	18.6	18.5	18.9	19.3	19.5	20.3	21.1	22.3
85°	10.0	10.0	10.3	10.3	10.5	10.5	10.7	10.7	10.7	10.9	11.1
87.5°	9.7	9.3	9.0	8.9	8.9	9.0	8.6	8.1	7.8	7.5	7.4
90°	29.3	28.6	27.7	26.9	26.1	25.0	23.7	22.2	20.9	19.6	17.6
92.5°	57.7	57.1	56.6	55.9	55.3	54.1	52.3	50.5	48.7	46.9	44.6
95°	105.2	104.6	104.1	103.5	102.9	101.8	99.8	97.9	96.0	94.2	91.4
97.5°	159.5	159.1	158.8	158.4	158.2	157.0	155.2	153.4	151.7	149.9	146.2
100°	200.5	200.0	199.4	198.9	198.3	196.8	194.4	192.0	189.5	187.1	183.5
102.5°	241.6	240.8	240.1	239.3	238.6	236.9	234.1	231.5	228.8	226.2	224.4
105°	303.2	302.4	301.6	300.8	299.9	298.7	297.1	295.5	293.9	292.2	290.6
107.5°	366.3	366.4	366.4	366.5	366.6	366.2	365.3	364.5	363.7	362.9	361.7
110°	413.2	413.5	413.8	414.1	414.3	414.1	413.2	412.5	411.6	410.8	410.0



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	459.2	459.7	460.2	460.7	461.2	461.2	460.8	460.4	460.1	459.7	458.6
115°	531.9	532.2	532.3	532.6	532.9	533.2	533.5	533.8	534.0	534.3	533.8
117.5°	602.8	603.9	604.9	606.1	607.1	607.6	607.3	607.1	606.9	606.7	606.1
120°	651.7	652.7	653.8	654.9	656.0	656.6	656.6	656.6	656.6	656.6	656.3
122.5°	700.6	701.4	702.3	703.1	704.1	704.6	704.8	705.0	705.2	705.5	704.7
125°	773.9	774.2	774.5	774.8	775.1	775.4	776.0	776.5	777.0	777.6	777.3
127.5°	844.3	844.9	845.5	846.0	846.5	847.0	847.2	847.4	847.7	848.0	847.7
130°	891.3	891.8	892.4	893.0	893.4	893.9	894.2	894.4	894.7	894.9	894.4
132.5°	935.3	936.0	936.8	937.6	938.4	938.9	939.1	939.4	939.7	940.0	940.1
135°	1003.8	1004.8	1006.0	1007.0	1008.1	1008.7	1008.7	1008.7	1008.7	1008.7	1008.4
137.5°	1070.8	1072.1	1073.5	1074.9	1076.2	1076.8	1076.4	1076.1	1075.7	1075.4	1074.9
140°	1113.8	1115.2	1116.5	1117.9	1119.3	1119.6	1119.1	1118.6	1118.0	1117.5	1116.6
142.5°	1154.9	1156.2	1157.6	1159.0	1160.4	1160.8	1160.6	1160.2	1159.9	1159.5	1158.5
145°	1216.5	1217.3	1218.1	1219.0	1219.7	1220.2	1220.2	1220.2	1220.2	1220.2	1219.4
147.5°	1269.1	1270.9	1272.8	1274.6	1276.5	1277.1	1276.4	1275.7	1275.2	1274.5	1273.8
150°	1308.2	1308.7	1309.3	1309.9	1310.4	1310.7	1310.7	1310.7	1310.7	1310.7	1309.6
152.5°	1340.5	1341.4	1342.5	1343.4	1344.4	1344.5	1343.9	1343.2	1342.7	1342.0	1341.5
155°	1386.5	1387.8	1389.2	1390.5	1391.9	1392.0	1390.9	1389.9	1388.7	1387.7	1387.4
157.5°	1424.8	1426.6	1428.4	1430.2	1432.0	1432.4	1431.3	1430.2	1429.1	1428.0	1427.8
160°	1451.2	1452.6	1454.0	1455.4	1456.7	1456.8	1455.8	1454.6	1453.6	1452.5	1452.2
162.5°	1473.8	1475.4	1476.9	1478.5	1480.1	1480.2	1478.8	1477.6	1476.3	1475.0	1474.9
165°	1503.8	1505.4	1507.1	1508.7	1510.3	1510.6	1509.6	1508.4	1507.4	1506.3	1506.0
167.5°	1527.8	1529.5	1531.2	1532.9	1534.6	1534.6	1533.0	1531.3	1529.7	1528.0	1528.0
170°	1540.5	1542.4	1544.4	1546.2	1548.1	1548.2	1546.6	1545.0	1543.4	1541.7	1541.7
172.5°	1551.2	1552.9	1554.6	1556.3	1558.0	1558.0	1556.4	1554.8	1553.1	1551.5	1551.5
175°	1561.3	1563.2	1565.1	1567.0	1568.9	1569.1	1567.4	1565.8	1564.1	1562.5	1562.5
177.5°	1567.2	1568.7	1570.2	1571.7	1573.3	1573.4	1572.1	1570.7	1569.4	1568.1	1568.4
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	545.2	543.9	541.7	539.6	537.0	534.7	533.1	531.2	528.8	525.8	523.4
5°	569.3	564.5	558.2	552.7	545.7	540.4	534.7	529.2	523.8	516.8	510.7
7.5°	596.1	586.2	576.6	564.4	553.5	543.7	534.2	524.7	515.4	505.5	496.0
10°	612.5	600.4	587.2	571.9	558.0	544.7	532.5	520.5	507.8	496.8	484.8
12.5°	627.7	612.3	597.1	577.9	561.1	544.9	529.3	514.4	501.0	486.5	473.6
15°	641.6	626.3	609.4	585.9	562.5	542.9	524.6	505.3	488.5	472.4	458.0
17.5°	647.0	630.9	611.2	588.6	563.2	538.5	514.9	493.7	473.9	455.2	439.0
20°	644.9	629.4	609.2	587.6	560.3	534.7	509.2	485.7	463.6	443.8	426.7
22.5°	639.8	623.9	604.3	581.5	555.6	528.4	501.1	476.1	453.1	432.5	413.8
25°	632.3	610.5	590.4	568.2	543.6	516.6	488.5	460.8	436.2	415.3	394.8
27.5°	624.3	597.2	571.7	549.6	523.6	499.5	472.4	444.0	418.2	396.9	375.9
30°	617.2	586.7	558.6	533.6	509.0	486.1	460.4	432.7	406.1	384.2	362.9
32.5°	608.3	575.9	545.1	516.1	492.4	469.8	446.5	420.0	394.2	371.5	349.8
35°	597.2	555.8	522.3	491.5	465.2	443.2	422.3	401.0	375.0	351.5	330.4
37.5°	582.6	535.6	496.8	463.4	435.5	413.5	396.9	377.4	353.7	331.3	311.7
40°	573.6	520.9	478.5	445.4	416.2	392.9	377.4	360.9	339.3	318.2	298.6
42.5°	561.8	507.6	460.1	425.6	396.2	373.7	358.1	343.7	325.6	305.7	284.6
45°	538.6	481.5	431.7	394.6	365.0	343.0	328.4	315.6	301.9	283.5	265.2
47.5°	508.4	454.4	402.2	361.7	332.8	312.4	298.2	288.0	278.2	262.7	245.0
50°	484.2	432.1	381.2	342.0	311.0	291.6	278.3	270.3	261.4	247.2	232.3
52.5°	455.5	409.1	359.2	319.1	289.9	271.7	259.0	250.9	243.6	232.1	217.9
55°	410.6	369.8	324.0	287.7	260.9	242.6	230.5	222.8	218.5	208.7	197.6
57.5°	358.5	329.4	289.1	254.0	230.3	212.3	203.3	196.8	191.9	184.9	177.1
60°	322.3	301.9	265.7	232.3	210.6	193.4	185.3	179.9	175.3	169.5	163.3
62.5°	285.6	270.7	239.2	210.6	190.6	176.2	168.6	163.7	158.4	154.5	148.5
65°	236.3	223.0	201.2	178.8	160.3	148.7	143.3	138.9	135.7	131.3	127.1
67.5°	183.8	178.4	163.3	147.9	134.6	124.3	119.6	116.6	112.7	110.1	107.3
70°	151.6	148.9	138.3	128.1	115.6	108.7	104.3	103.0	98.2	95.6	93.7
72.5°	123.0	121.8	115.6	108.6	99.8	93.7	89.7	88.2	85.1	83.0	81.8
75°	84.3	84.7	83.6	79.1	75.8	71.9	68.4	67.5	65.3	63.6	62.5
77.5°	53.3	55.5	55.6	55.4	54.1	51.7	50.2	49.6	47.5	46.8	46.6
80°	36.6	39.0	41.2	40.9	40.5	39.9	38.7	38.1	37.0	36.4	35.9
82.5°	24.4	26.6	28.5	29.6	29.5	28.8	28.2	27.8	27.6	27.1	27.1
85°	11.5	12.0	12.6	14.1	15.3	15.5	15.3	15.0	14.4	14.6	14.8
87.5°	7.2	6.8	6.6	6.1	5.6	6.0	6.1	5.8	5.9	6.0	6.0
90°	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	42.3	40.0	37.6	35.6	34.1	32.6	31.1	29.6	31.1	32.6	34.1
95°	88.7	86.0	83.3	81.6	81.1	80.6	80.0	79.5	80.0	80.6	81.1
97.5°	142.4	138.6	134.9	132.9	132.7	132.5	132.2	132.1	132.2	132.5	132.7
100°	180.0	176.4	173.0	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
102.5°	222.6	220.8	219.0	217.5	216.5	215.4	214.3	213.2	214.3	215.4	216.5
105°	289.0	287.3	285.7	284.2	282.9	281.4	280.1	278.8	280.1	281.4	282.9
107.5°	360.3	359.1	357.9	356.6	355.2	353.8	352.5	351.1	352.5	353.8	355.2
110°	409.2	408.4	407.6	406.4	405.1	403.8	402.4	401.1	402.4	403.8	405.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	457.6	456.6	455.6	454.7	454.0	453.3	452.6	451.9	452.6	453.3	454.0
115°	533.2	532.6	532.2	531.3	530.2	529.1	528.0	527.0	528.0	529.1	530.2
117.5°	605.7	605.2	604.7	604.3	603.7	603.2	602.8	602.3	602.8	603.2	603.7
120°	656.0	655.7	655.4	654.7	653.3	652.0	650.5	649.2	650.5	652.0	653.3
122.5°	704.1	703.3	702.7	702.0	701.5	701.1	700.6	700.1	700.6	701.1	701.5
125°	777.0	776.7	776.5	775.5	773.9	772.3	770.6	769.0	770.6	772.3	773.9
127.5°	847.3	847.1	846.7	846.1	845.2	844.2	843.3	842.4	843.3	844.2	845.2
130°	893.9	893.3	892.8	891.8	890.5	889.1	887.8	886.4	887.8	889.1	890.5
132.5°	940.2	940.3	940.4	939.3	937.1	934.9	932.6	930.4	932.6	934.9	937.1
135°	1008.1	1007.9	1007.6	1006.6	1005.0	1003.3	1001.7	1000.1	1001.7	1003.3	1005.0
137.5°	1074.2	1073.7	1073.0	1072.0	1070.4	1068.8	1067.2	1065.6	1067.2	1068.8	1070.4
140°	1115.9	1115.0	1114.2	1113.1	1111.8	1110.4	1109.1	1107.7	1109.1	1110.4	1111.8
142.5°	1157.4	1156.4	1155.4	1154.3	1153.2	1152.1	1150.9	1149.8	1150.9	1152.1	1153.2
145°	1218.5	1217.8	1216.9	1216.0	1214.8	1213.8	1212.7	1211.6	1212.7	1213.8	1214.8
147.5°	1273.2	1272.5	1271.9	1271.2	1270.6	1270.1	1269.4	1268.9	1269.4	1270.1	1270.6
150°	1308.5	1307.4	1306.3	1305.9	1306.2	1306.5	1306.7	1307.0	1306.7	1306.5	1306.2
152.5°	1341.0	1340.7	1340.2	1339.8	1339.4	1339.1	1338.7	1338.3	1338.7	1339.1	1339.4
155°	1387.1	1386.9	1386.6	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5
157.5°	1427.5	1427.2	1426.9	1427.1	1427.7	1428.3	1428.9	1429.5	1428.9	1428.3	1427.7
160°	1452.0	1451.7	1451.4	1451.7	1452.5	1453.3	1454.2	1454.9	1454.2	1453.3	1452.5
162.5°	1474.9	1474.8	1474.8	1475.1	1475.6	1476.2	1476.9	1477.4	1476.9	1476.2	1475.6
165°	1505.7	1505.4	1505.2	1505.3	1505.9	1506.4	1506.9	1507.5	1506.9	1506.4	1505.9
167.5°	1528.0	1528.0	1528.0	1528.6	1529.7	1530.8	1531.8	1533.0	1531.8	1530.8	1529.7
170°	1541.7	1541.7	1541.7	1542.3	1543.4	1544.5	1545.6	1546.6	1545.6	1544.5	1543.4
172.5°	1551.5	1551.5	1551.5	1552.1	1553.1	1554.3	1555.3	1556.4	1555.3	1554.3	1553.1
175°	1562.5	1562.5	1562.5	1563.1	1564.1	1565.3	1566.3	1567.4	1566.3	1565.3	1564.1
177.5°	1568.6	1568.8	1569.1	1569.5	1570.5	1571.3	1572.2	1573.0	1572.2	1571.3	1570.5
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	521.6	519.2	517.5	514.0	511.5	510.5	508.6	508.0	510.0	508.6	508.4
5°	506.1	499.8	494.8	489.8	484.4	480.9	475.6	474.8	473.4	471.6	471.1
7.5°	487.6	479.3	472.9	464.6	457.4	451.6	445.1	442.0	440.3	437.7	434.3
10°	475.0	465.2	456.5	448.2	439.3	432.1	425.6	420.6	417.3	414.2	412.9
12.5°	462.6	452.6	441.5	431.5	421.5	413.5	406.2	402.9	399.4	395.8	392.8
15°	443.4	430.2	417.9	406.4	397.9	389.2	382.2	377.4	372.0	370.4	364.6
17.5°	423.0	410.0	395.7	383.6	373.7	364.1	356.5	351.0	346.9	341.3	338.7
20°	410.3	394.8	380.9	369.8	358.9	347.6	339.8	335.2	331.3	326.7	324.5
22.5°	396.7	381.6	367.3	354.3	343.3	332.1	326.5	321.8	317.4	313.1	310.2
25°	376.7	361.6	346.5	333.0	321.5	313.4	306.9	301.4	299.1	294.9	291.8
27.5°	357.0	340.8	325.3	311.8	302.7	294.7	289.4	285.1	280.8	277.2	274.5
30°	344.3	327.8	310.8	300.1	290.5	283.0	277.0	272.9	269.7	266.4	264.4
32.5°	331.6	314.5	299.4	287.9	278.9	272.3	266.3	262.2	258.8	255.2	252.9
35°	311.2	293.8	281.6	270.3	261.4	255.2	251.1	245.4	242.6	240.0	237.6
37.5°	292.3	276.1	262.9	253.0	245.2	239.1	233.8	230.7	227.2	224.9	222.9
40°	278.3	263.5	251.6	241.1	235.4	228.7	223.7	219.7	217.2	214.1	211.9
42.5°	265.8	252.0	240.3	231.0	223.9	218.2	213.4	209.4	206.1	204.0	202.2
45°	248.1	234.3	223.0	214.3	207.7	202.4	197.3	195.4	191.0	188.4	187.5
47.5°	229.7	217.4	206.5	198.5	191.8	186.6	181.9	178.0	175.5	173.0	171.5
50°	217.4	205.6	195.4	187.5	181.0	175.3	171.0	168.3	165.0	162.7	161.0
52.5°	205.0	194.1	183.9	176.3	170.7	165.0	160.1	157.6	154.5	153.0	151.7
55°	187.3	175.8	167.0	159.7	153.7	148.5	143.9	141.4	139.4	137.9	137.4
57.5°	167.3	158.2	150.1	143.4	137.2	132.3	128.3	125.8	124.1	123.9	122.5
60°	154.2	145.9	138.6	131.3	126.1	121.5	118.0	115.2	113.5	113.3	112.8
62.5°	141.1	133.2	126.3	120.0	115.3	110.9	107.5	104.4	103.4	102.3	101.3
65°	121.8	114.5	108.9	103.9	98.9	95.2	91.9	89.9	87.6	86.2	83.9
67.5°	102.7	97.2	91.7	87.5	83.5	80.0	77.3	74.4	72.8	71.7	70.0
70°	90.2	85.8	80.4	75.8	72.8	69.9	67.8	64.5	63.3	62.5	61.6
72.5°	78.3	74.5	69.9	66.2	63.2	60.5	58.0	56.5	55.3	54.5	54.0
75°	61.6	58.0	54.0	51.4	49.2	47.0	45.7	44.7	44.2	44.0	43.2
77.5°	45.2	43.3	40.2	38.1	36.7	35.7	34.6	34.0	33.9	33.0	32.7
80°	34.6	33.6	30.9	30.1	28.9	28.1	27.4	26.4	25.3	24.8	24.1
82.5°	25.7	24.7	23.6	22.2	21.3	20.7	20.2	19.7	19.9	19.2	18.9
85°	13.8	12.6	12.2	12.0	11.5	12.0	11.8	11.5	11.3	11.1	11.3
87.5°	6.3	6.8	7.0	7.6	7.5	8.1	8.4	8.5	8.8	9.0	9.0
90°	9.9	12.0	13.9	15.7	17.6	19.6	20.9	22.2	23.7	25.0	26.1
92.5°	35.6	37.6	40.0	42.3	44.6	46.9	48.7	50.5	52.3	54.1	55.3
95°	81.6	83.3	86.0	88.7	91.4	94.2	96.0	97.9	99.8	101.8	102.9
97.5°	132.9	134.9	138.6	142.4	146.2	149.9	151.7	153.4	155.2	157.0	158.2
100°	171.2	173.0	176.4	180.0	183.5	187.1	189.5	192.0	194.4	196.8	198.3
102.5°	217.5	219.0	220.8	222.6	224.4	226.2	228.8	231.5	234.1	236.9	238.6
105°	284.2	285.7	287.3	289.0	290.6	292.2	293.9	295.5	297.1	298.7	299.9
107.5°	356.6	357.9	359.1	360.3	361.7	362.9	363.7	364.5	365.3	366.2	366.6
110°	406.4	407.6	408.4	409.2	410.0	410.8	411.6	412.5	413.2	414.1	414.3



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	454.7	455.6	456.6	457.6	458.6	459.7	460.1	460.4	460.8	461.2	461.2
115°	531.3	532.2	532.6	533.2	533.8	534.3	534.0	533.8	533.5	533.2	532.9
117.5°	604.3	604.7	605.2	605.7	606.1	606.7	606.9	607.1	607.3	607.6	607.1
120°	654.7	655.4	655.7	656.0	656.3	656.6	656.6	656.6	656.6	656.6	656.0
122.5°	702.0	702.7	703.3	704.1	704.7	705.5	705.2	705.0	704.8	704.6	704.1
125°	775.5	776.5	776.7	777.0	777.3	777.6	777.0	776.5	776.0	775.4	775.1
127.5°	846.1	846.7	847.1	847.3	847.7	848.0	847.7	847.4	847.2	847.0	846.5
130°	891.8	892.8	893.3	893.9	894.4	894.9	894.7	894.4	894.2	893.9	893.4
132.5°	939.3	940.4	940.3	940.2	940.1	940.0	939.7	939.4	939.1	938.9	938.4
135°	1006.6	1007.6	1007.9	1008.1	1008.4	1008.7	1008.7	1008.7	1008.7	1008.7	1008.1
137.5°	1072.0	1073.0	1073.7	1074.2	1074.9	1075.4	1075.7	1076.1	1076.4	1076.8	1076.2
140°	1113.1	1114.2	1115.0	1115.9	1116.6	1117.5	1118.0	1118.6	1119.1	1119.6	1119.3
142.5°	1154.3	1155.4	1156.4	1157.4	1158.5	1159.5	1159.9	1160.2	1160.6	1160.8	1160.4
145°	1216.0	1216.9	1217.8	1218.5	1219.4	1220.2	1220.2	1220.2	1220.2	1220.2	1219.7
147.5°	1271.2	1271.9	1272.5	1273.2	1273.8	1274.5	1275.2	1275.7	1276.4	1277.1	1276.5
150°	1305.9	1306.3	1307.4	1308.5	1309.6	1310.7	1310.7	1310.7	1310.7	1310.7	1310.4
152.5°	1339.8	1340.2	1340.7	1341.0	1341.5	1342.0	1342.7	1343.2	1343.9	1344.5	1344.4
155°	1386.5	1386.6	1386.9	1387.1	1387.4	1387.7	1388.7	1389.9	1390.9	1392.0	1391.9
157.5°	1427.1	1426.9	1427.2	1427.5	1427.8	1428.0	1429.1	1430.2	1431.3	1432.4	1432.0
160°	1451.7	1451.4	1451.7	1452.0	1452.2	1452.5	1453.6	1454.6	1455.8	1456.8	1456.7
162.5°	1475.1	1474.8	1474.8	1474.9	1474.9	1475.0	1476.3	1477.6	1478.8	1480.2	1480.1
165°	1505.3	1505.2	1505.4	1505.7	1506.0	1506.3	1507.4	1508.4	1509.6	1510.6	1510.3
167.5°	1528.6	1528.0	1528.0	1528.0	1528.0	1528.0	1529.7	1531.3	1533.0	1534.6	1534.6
170°	1542.3	1541.7	1541.7	1541.7	1541.7	1541.7	1543.4	1545.0	1546.6	1548.2	1548.1
172.5°	1552.1	1551.5	1551.5	1551.5	1551.5	1551.5	1553.1	1554.8	1556.4	1558.0	1558.0
175°	1563.1	1562.5	1562.5	1562.5	1562.5	1562.5	1564.1	1565.8	1567.4	1569.1	1568.9
177.5°	1569.5	1569.1	1568.8	1568.6	1568.4	1568.1	1569.4	1570.7	1572.1	1573.4	1573.3
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.2	506.3	505.8	506.5	505.8	506.3	508.2	508.4	508.6	510.0	508.0
5°	468.9	466.7	467.8	467.4	467.8	466.7	468.9	471.1	471.6	473.4	474.8
7.5°	434.3	431.6	428.8	429.6	428.8	431.6	434.3	434.3	437.7	440.3	442.0
10°	410.1	407.9	406.6	407.7	406.6	407.9	410.1	412.9	414.2	417.3	420.6
12.5°	389.7	388.4	387.3	386.8	387.3	388.4	389.7	392.8	395.8	399.4	402.9
15°	361.9	359.4	358.3	355.4	358.3	359.4	361.9	364.6	370.4	372.0	377.4
17.5°	336.4	335.5	332.7	331.5	332.7	335.5	336.4	338.7	341.3	346.9	351.0
20°	321.2	320.4	317.5	319.2	317.5	320.4	321.2	324.5	326.7	331.3	335.2
22.5°	308.7	306.8	305.9	305.4	305.9	306.8	308.7	310.2	313.1	317.4	321.8
25°	291.0	288.1	287.0	285.8	287.0	288.1	291.0	291.8	294.9	299.1	301.4
27.5°	273.2	271.7	270.3	269.9	270.3	271.7	273.2	274.5	277.2	280.8	285.1
30°	261.7	260.2	259.2	259.2	259.2	260.2	261.7	264.4	266.4	269.7	272.9
32.5°	251.5	250.3	249.2	249.0	249.2	250.3	251.5	252.9	255.2	258.8	262.2
35°	236.5	234.8	234.3	233.0	234.3	234.8	236.5	237.6	240.0	242.6	245.4
37.5°	220.9	219.5	219.5	219.3	219.5	219.5	220.9	222.9	224.9	227.2	230.7
40°	211.0	209.9	209.7	208.2	209.7	209.9	211.0	211.9	214.1	217.2	219.7
42.5°	200.4	199.8	199.1	198.4	199.1	199.8	200.4	202.2	204.0	206.1	209.4
45°	186.0	184.5	184.5	183.4	184.5	184.5	186.0	187.5	188.4	191.0	195.4
47.5°	171.1	169.9	170.0	168.9	170.0	169.9	171.1	171.5	173.0	175.5	178.0
50°	161.2	160.5	160.3	159.9	160.3	160.5	161.2	161.0	162.7	165.0	168.3
52.5°	151.3	150.9	151.7	150.8	151.7	150.9	151.3	151.7	153.0	154.5	157.6
55°	137.9	137.2	138.6	137.2	138.6	137.2	137.9	137.4	137.9	139.4	141.4
57.5°	122.5	121.9	123.1	122.4	123.1	121.9	122.5	122.5	123.9	124.1	125.8
60°	112.4	111.0	111.7	112.0	111.7	111.0	112.4	112.8	113.3	113.5	115.2
62.5°	100.4	99.5	100.1	99.1	100.1	99.5	100.4	101.3	102.3	103.4	104.4
65°	83.4	82.8	81.9	81.4	81.9	82.8	83.4	83.9	86.2	87.6	89.9
67.5°	70.1	68.5	68.4	68.8	68.4	68.5	70.1	70.0	71.7	72.8	74.4
70°	60.3	60.3	60.1	60.1	60.1	60.3	60.3	61.6	62.5	63.3	64.5
72.5°	53.5	53.3	53.0	52.8	53.0	53.3	53.5	54.0	54.5	55.3	56.5
75°	43.2	43.4	42.9	42.7	42.9	43.4	43.2	43.2	44.0	44.2	44.7
77.5°	31.9	30.9	31.4	30.9	31.4	30.9	31.9	32.7	33.0	33.9	34.0
80°	24.1	23.9	24.6	23.9	24.6	23.9	24.1	24.1	24.8	25.3	26.4
82.5°	19.1	18.9	19.2	18.8	19.2	18.9	19.1	18.9	19.2	19.9	19.7
85°	11.5	11.3	11.1	11.3	11.1	11.3	11.5	11.3	11.1	11.3	11.5
87.5°	9.4	9.3	9.5	9.7	9.5	9.3	9.4	9.0	9.0	8.8	8.5
90°	26.9	27.7	28.6	29.3	28.6	27.7	26.9	26.1	25.0	23.7	22.2
92.5°	55.9	56.6	57.1	57.7	57.1	56.6	55.9	55.3	54.1	52.3	50.5
95°	103.5	104.1	104.6	105.2	104.6	104.1	103.5	102.9	101.8	99.8	97.9
97.5°	158.4	158.8	159.1	159.5	159.1	158.8	158.4	158.2	157.0	155.2	153.4
100°	198.9	199.4	200.0	200.5	200.0	199.4	198.9	198.3	196.8	194.4	192.0
102.5°	239.3	240.1	240.8	241.6	240.8	240.1	239.3	238.6	236.9	234.1	231.5
105°	300.8	301.6	302.4	303.2	302.4	301.6	300.8	299.9	298.7	297.1	295.5
107.5°	366.5	366.4	366.4	366.3	366.4	366.4	366.5	366.6	366.2	365.3	364.5
110°	414.1	413.8	413.5	413.2	413.5	413.8	414.1	414.3	414.1	413.2	412.5



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	460.7	460.2	459.7	459.2	459.7	460.2	460.7	461.2	461.2	460.8	460.4
115°	532.6	532.3	532.2	531.9	532.2	532.3	532.6	532.9	533.2	533.5	533.8
117.5°	606.1	604.9	603.9	602.8	603.9	604.9	606.1	607.1	607.6	607.3	607.1
120°	654.9	653.8	652.7	651.7	652.7	653.8	654.9	656.0	656.6	656.6	656.6
122.5°	703.1	702.3	701.4	700.6	701.4	702.3	703.1	704.1	704.6	704.8	705.0
125°	774.8	774.5	774.2	773.9	774.2	774.5	774.8	775.1	775.4	776.0	776.5
127.5°	846.0	845.5	844.9	844.3	844.9	845.5	846.0	846.5	847.0	847.2	847.4
130°	893.0	892.4	891.8	891.3	891.8	892.4	893.0	893.4	893.9	894.2	894.4
132.5°	937.6	936.8	936.0	935.3	936.0	936.8	937.6	938.4	938.9	939.1	939.4
135°	1007.0	1006.0	1004.8	1003.8	1004.8	1006.0	1007.0	1008.1	1008.7	1008.7	1008.7
137.5°	1074.9	1073.5	1072.1	1070.8	1072.1	1073.5	1074.9	1076.2	1076.8	1076.4	1076.1
140°	1117.9	1116.5	1115.2	1113.8	1115.2	1116.5	1117.9	1119.3	1119.6	1119.1	1118.6
142.5°	1159.0	1157.6	1156.2	1154.9	1156.2	1157.6	1159.0	1160.4	1160.8	1160.6	1160.2
145°	1219.0	1218.1	1217.3	1216.5	1217.3	1218.1	1219.0	1219.7	1220.2	1220.2	1220.2
147.5°	1274.6	1272.8	1270.9	1269.1	1270.9	1272.8	1274.6	1276.5	1277.1	1276.4	1275.7
150°	1309.9	1309.3	1308.7	1308.2	1308.7	1309.3	1309.9	1310.4	1310.7	1310.7	1310.7
152.5°	1343.4	1342.5	1341.4	1340.5	1341.4	1342.5	1343.4	1344.4	1344.5	1343.9	1343.2
155°	1390.5	1389.2	1387.8	1386.5	1387.8	1389.2	1390.5	1391.9	1392.0	1390.9	1389.9
157.5°	1430.2	1428.4	1426.6	1424.8	1426.6	1428.4	1430.2	1432.0	1432.4	1431.3	1430.2
160°	1455.4	1454.0	1452.6	1451.2	1452.6	1454.0	1455.4	1456.7	1456.8	1455.8	1454.6
162.5°	1478.5	1476.9	1475.4	1473.8	1475.4	1476.9	1478.5	1480.1	1480.2	1478.8	1477.6
165°	1508.7	1507.1	1505.4	1503.8	1505.4	1507.1	1508.7	1510.3	1510.6	1509.6	1508.4
167.5°	1532.9	1531.2	1529.5	1527.8	1529.5	1531.2	1532.9	1534.6	1534.6	1533.0	1531.3
170°	1546.2	1544.4	1542.4	1540.5	1542.4	1544.4	1546.2	1548.1	1548.2	1546.6	1545.0
172.5°	1556.3	1554.6	1552.9	1551.2	1552.9	1554.6	1556.3	1558.0	1558.0	1556.4	1554.8
175°	1567.0	1565.1	1563.2	1561.3	1563.2	1565.1	1567.0	1568.9	1569.1	1567.4	1565.8
177.5°	1571.7	1570.2	1568.7	1567.2	1568.7	1570.2	1571.7	1573.3	1573.4	1572.1	1570.7
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.6	510.5	511.5	514.0	517.5	519.2	521.6	523.4	525.8	528.8	531.2
5°	475.6	480.9	484.4	489.8	494.8	499.8	506.1	510.7	516.8	523.8	529.2
7.5°	445.1	451.6	457.4	464.6	472.9	479.3	487.6	496.0	505.5	515.4	524.7
10°	425.6	432.1	439.3	448.2	456.5	465.2	475.0	484.8	496.8	507.8	520.5
12.5°	406.2	413.5	421.5	431.5	441.5	452.6	462.6	473.6	486.5	501.0	514.4
15°	382.2	389.2	397.9	406.4	417.9	430.2	443.4	458.0	472.4	488.5	505.3
17.5°	356.5	364.1	373.7	383.6	395.7	410.0	423.0	439.0	455.2	473.9	493.7
20°	339.8	347.6	358.9	369.8	380.9	394.8	410.3	426.7	443.8	463.6	485.7
22.5°	326.5	332.1	343.3	354.3	367.3	381.6	396.7	413.8	432.5	453.1	476.1
25°	306.9	313.4	321.5	333.0	346.5	361.6	376.7	394.8	415.3	436.2	460.8
27.5°	289.4	294.7	302.7	311.8	325.3	340.8	357.0	375.9	396.9	418.2	444.0
30°	277.0	283.0	290.5	300.1	310.8	327.8	344.3	362.9	384.2	406.1	432.7
32.5°	266.3	272.3	278.9	287.9	299.4	314.5	331.6	349.8	371.5	394.2	420.0
35°	251.1	255.2	261.4	270.3	281.6	293.8	311.2	330.4	351.5	375.0	401.0
37.5°	233.8	239.1	245.2	253.0	262.9	276.1	292.3	311.7	331.3	353.7	377.4
40°	223.7	228.7	235.4	241.1	251.6	263.5	278.3	298.6	318.2	339.3	360.9
42.5°	213.4	218.2	223.9	231.0	240.3	252.0	265.8	284.6	305.7	325.6	343.7
45°	197.3	202.4	207.7	214.3	223.0	234.3	248.1	265.2	283.5	301.9	315.6
47.5°	181.9	186.6	191.8	198.5	206.5	217.4	229.7	245.0	262.7	278.2	288.0
50°	171.0	175.3	181.0	187.5	195.4	205.6	217.4	232.3	247.2	261.4	270.3
52.5°	160.1	165.0	170.7	176.3	183.9	194.1	205.0	217.9	232.1	243.6	250.9
55°	143.9	148.5	153.7	159.7	167.0	175.8	187.3	197.6	208.7	218.5	222.8
57.5°	128.3	132.3	137.2	143.4	150.1	158.2	167.3	177.1	184.9	191.9	196.8
60°	118.0	121.5	126.1	131.3	138.6	145.9	154.2	163.3	169.5	175.3	179.9
62.5°	107.5	110.9	115.3	120.0	126.3	133.2	141.1	148.5	154.5	158.4	163.7
65°	91.9	95.2	98.9	103.9	108.9	114.5	121.8	127.1	131.3	135.7	138.9
67.5°	77.3	80.0	83.5	87.5	91.7	97.2	102.7	107.3	110.1	112.7	116.6
70°	67.8	69.9	72.8	75.8	80.4	85.8	90.2	93.7	95.6	98.2	103.0
72.5°	58.0	60.5	63.2	66.2	69.9	74.5	78.3	81.8	83.0	85.1	88.2
75°	45.7	47.0	49.2	51.4	54.0	58.0	61.6	62.5	63.6	65.3	67.5
77.5°	34.6	35.7	36.7	38.1	40.2	43.3	45.2	46.6	46.8	47.5	49.6
80°	27.4	28.1	28.9	30.1	30.9	33.6	34.6	35.9	36.4	37.0	38.1
82.5°	20.2	20.7	21.3	22.2	23.6	24.7	25.7	27.1	27.1	27.6	27.8
85°	11.8	12.0	11.5	12.0	12.2	12.6	13.8	14.8	14.6	14.4	15.0
87.5°	8.4	8.1	7.5	7.6	7.0	6.8	6.3	6.0	6.0	5.9	5.8
90°	20.9	19.6	17.6	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	48.7	46.9	44.6	42.3	40.0	37.6	35.6	34.1	32.6	31.1	29.6
95°	96.0	94.2	91.4	88.7	86.0	83.3	81.6	81.1	80.6	80.0	79.5
97.5°	151.7	149.9	146.2	142.4	138.6	134.9	132.9	132.7	132.5	132.2	132.1
100°	189.5	187.1	183.5	180.0	176.4	173.0	171.2	171.2	171.2	171.2	171.2
102.5°	228.8	226.2	224.4	222.6	220.8	219.0	217.5	216.5	215.4	214.3	213.2
105°	293.9	292.2	290.6	289.0	287.3	285.7	284.2	282.9	281.4	280.1	278.8
107.5°	363.7	362.9	361.7	360.3	359.1	357.9	356.6	355.2	353.8	352.5	351.1
110°	411.6	410.8	410.0	409.2	408.4	407.6	406.4	405.1	403.8	402.4	401.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	460.1	459.7	458.6	457.6	456.6	455.6	454.7	454.0	453.3	452.6	451.9
115°	534.0	534.3	533.8	533.2	532.6	532.2	531.3	530.2	529.1	528.0	527.0
117.5°	606.9	606.7	606.1	605.7	605.2	604.7	604.3	603.7	603.2	602.8	602.3
120°	656.6	656.6	656.3	656.0	655.7	655.4	654.7	653.3	652.0	650.5	649.2
122.5°	705.2	705.5	704.7	704.1	703.3	702.7	702.0	701.5	701.1	700.6	700.1
125°	777.0	777.6	777.3	777.0	776.7	776.5	775.5	773.9	772.3	770.6	769.0
127.5°	847.7	848.0	847.7	847.3	847.1	846.7	846.1	845.2	844.2	843.3	842.4
130°	894.7	894.9	894.4	893.9	893.3	892.8	891.8	890.5	889.1	887.8	886.4
132.5°	939.7	940.0	940.1	940.2	940.3	940.4	939.3	937.1	934.9	932.6	930.4
135°	1008.7	1008.7	1008.4	1008.1	1007.9	1007.6	1006.6	1005.0	1003.3	1001.7	1000.1
137.5°	1075.7	1075.4	1074.9	1074.2	1073.7	1073.0	1072.0	1070.4	1068.8	1067.2	1065.6
140°	1118.0	1117.5	1116.6	1115.9	1115.0	1114.2	1113.1	1111.8	1110.4	1109.1	1107.7
142.5°	1159.9	1159.5	1158.5	1157.4	1156.4	1155.4	1154.3	1153.2	1152.1	1150.9	1149.8
145°	1220.2	1220.2	1219.4	1218.5	1217.8	1216.9	1216.0	1214.8	1213.8	1212.7	1211.6
147.5°	1275.2	1274.5	1273.8	1273.2	1272.5	1271.9	1271.2	1270.6	1270.1	1269.4	1268.9
150°	1310.7	1310.7	1309.6	1308.5	1307.4	1306.3	1305.9	1306.2	1306.5	1306.7	1307.0
152.5°	1342.7	1342.0	1341.5	1341.0	1340.7	1340.2	1339.8	1339.4	1339.1	1338.7	1338.3
155°	1388.7	1387.7	1387.4	1387.1	1386.9	1386.6	1386.5	1386.5	1386.5	1386.5	1386.5
157.5°	1429.1	1428.0	1427.8	1427.5	1427.2	1426.9	1427.1	1427.7	1428.3	1428.9	1429.5
160°	1453.6	1452.5	1452.2	1452.0	1451.7	1451.4	1451.7	1452.5	1453.3	1454.2	1454.9
162.5°	1476.3	1475.0	1474.9	1474.9	1474.8	1474.8	1475.1	1475.6	1476.2	1476.9	1477.4
165°	1507.4	1506.3	1506.0	1505.7	1505.4	1505.2	1505.3	1505.9	1506.4	1506.9	1507.5
167.5°	1529.7	1528.0	1528.0	1528.0	1528.0	1528.0	1528.6	1529.7	1530.8	1531.8	1533.0
170°	1543.4	1541.7	1541.7	1541.7	1541.7	1541.7	1542.3	1543.4	1544.5	1545.6	1546.6
172.5°	1553.1	1551.5	1551.5	1551.5	1551.5	1551.5	1552.1	1553.1	1554.3	1555.3	1556.4
175°	1564.1	1562.5	1562.5	1562.5	1562.5	1562.5	1563.1	1564.1	1565.3	1566.3	1567.4
177.5°	1569.4	1568.1	1568.4	1568.6	1568.8	1569.1	1569.5	1570.5	1571.3	1572.2	1573.0
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	533.1	534.7	537.0	539.6	541.7	543.9	545.2	545.2	546.2	548.5	551.5
5°	534.7	540.4	545.7	552.7	558.2	564.5	569.3	573.9	578.0	583.2	588.7
7.5°	534.2	543.7	553.5	564.4	576.6	586.2	596.1	603.8	611.4	621.5	629.3
10°	532.5	544.7	558.0	571.9	587.2	600.4	612.5	623.3	633.8	644.7	654.5
12.5°	529.3	544.9	561.1	577.9	597.1	612.3	627.7	639.3	651.6	663.5	675.5
15°	524.6	542.9	562.5	585.9	609.4	626.3	641.6	656.7	668.0	681.5	693.1
17.5°	514.9	538.5	563.2	588.6	611.2	630.9	647.0	661.3	673.4	688.2	703.9
20°	509.2	534.7	560.3	587.6	609.2	629.4	644.9	659.7	674.7	694.1	713.2
22.5°	501.1	528.4	555.6	581.5	604.3	623.9	639.8	657.9	677.7	699.6	722.8
25°	488.5	516.6	543.6	568.2	590.4	610.5	632.3	656.7	680.6	709.5	742.9
27.5°	472.4	499.5	523.6	549.6	571.7	597.2	624.3	650.8	685.3	725.2	766.8
30°	460.4	486.1	509.0	533.6	558.6	586.7	617.2	648.4	689.6	736.3	785.8
32.5°	446.5	469.8	492.4	516.1	545.1	575.9	608.3	646.4	695.6	748.9	800.0
35°	422.3	443.2	465.2	491.5	522.3	555.8	597.2	643.6	703.0	760.3	806.3
37.5°	396.9	413.5	435.5	463.4	496.8	535.6	582.6	638.9	699.9	751.4	770.9
40°	377.4	392.9	416.2	445.4	478.5	520.9	573.6	631.6	693.1	728.7	727.2
42.5°	358.1	373.7	396.2	425.6	460.1	507.6	561.8	622.0	673.8	687.4	659.1
45°	328.4	343.0	365.0	394.6	431.7	481.5	538.6	596.3	629.4	607.4	551.2
47.5°	298.2	312.4	332.8	361.7	402.2	454.4	508.4	555.7	560.3	513.1	445.7
50°	278.3	291.6	311.0	342.0	381.2	432.1	484.2	521.4	509.8	452.1	382.7
52.5°	259.0	271.7	289.9	319.1	359.2	409.1	455.5	484.8	458.1	396.7	334.2
55°	230.5	242.6	260.9	287.7	324.0	369.8	410.6	421.2	382.0	320.2	269.7
57.5°	203.3	212.3	230.3	254.0	289.1	329.4	358.5	356.7	313.4	257.7	221.4
60°	185.3	193.4	210.6	232.3	265.7	301.9	322.3	313.6	269.8	223.9	189.1
62.5°	168.6	176.2	190.6	210.6	239.2	270.7	285.6	273.5	232.2	191.8	164.1
65°	143.3	148.7	160.3	178.8	201.2	223.0	236.3	218.7	182.1	151.6	130.6
67.5°	119.6	124.3	134.6	147.9	163.3	178.4	183.8	167.3	138.8	118.3	103.5
70°	104.3	108.7	115.6	128.1	138.3	148.9	151.6	136.8	113.0	97.4	88.2
72.5°	89.7	93.7	99.8	108.6	115.6	121.8	123.0	109.2	91.0	80.3	73.2
75°	68.4	71.9	75.8	79.1	83.6	84.7	84.3	73.6	63.8	56.6	52.7
77.5°	50.2	51.7	54.1	55.4	55.6	55.5	53.3	46.6	41.5	38.5	36.9
80°	38.7	39.9	40.5	40.9	41.2	39.0	36.6	32.4	30.7	28.9	27.1
82.5°	28.2	28.8	29.5	29.6	28.5	26.6	24.4	22.3	21.1	20.3	19.5
85°	15.3	15.5	15.3	14.1	12.6	12.0	11.5	11.1	10.9	10.7	10.7
87.5°	6.1	6.0	5.6	6.1	6.6	6.8	7.2	7.4	7.5	7.8	8.1
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.7	17.6	19.6	20.9	22.2
92.5°	31.1	32.6	34.1	35.6	37.6	40.0	42.3	44.6	46.9	48.7	50.5
95°	80.0	80.6	81.1	81.6	83.3	86.0	88.7	91.4	94.2	96.0	97.9
97.5°	132.2	132.5	132.7	132.9	134.9	138.6	142.4	146.2	149.9	151.7	153.4
100°	171.2	171.2	171.2	171.2	173.0	176.4	180.0	183.5	187.1	189.5	192.0
102.5°	214.3	215.4	216.5	217.5	219.0	220.8	222.6	224.4	226.2	228.8	231.5
105°	280.1	281.4	282.9	284.2	285.7	287.3	289.0	290.6	292.2	293.9	295.5
107.5°	352.5	353.8	355.2	356.6	357.9	359.1	360.3	361.7	362.9	363.7	364.5
110°	402.4	403.8	405.1	406.4	407.6	408.4	409.2	410.0	410.8	411.6	412.5



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	452.6	453.3	454.0	454.7	455.6	456.6	457.6	458.6	459.7	460.1	460.4
115°	528.0	529.1	530.2	531.3	532.2	532.6	533.2	533.8	534.3	534.0	533.8
117.5°	602.8	603.2	603.7	604.3	604.7	605.2	605.7	606.1	606.7	606.9	607.1
120°	650.5	652.0	653.3	654.7	655.4	655.7	656.0	656.3	656.6	656.6	656.6
122.5°	700.6	701.1	701.5	702.0	702.7	703.3	704.1	704.7	705.5	705.2	705.0
125°	770.6	772.3	773.9	775.5	776.5	776.7	777.0	777.3	777.6	777.0	776.5
127.5°	843.3	844.2	845.2	846.1	846.7	847.1	847.3	847.7	848.0	847.7	847.4
130°	887.8	889.1	890.5	891.8	892.8	893.3	893.9	894.4	894.9	894.7	894.4
132.5°	932.6	934.9	937.1	939.3	940.4	940.3	940.2	940.1	940.0	939.7	939.4
135°	1001.7	1003.3	1005.0	1006.6	1007.6	1007.9	1008.1	1008.4	1008.7	1008.7	1008.7
137.5°	1067.2	1068.8	1070.4	1072.0	1073.0	1073.7	1074.2	1074.9	1075.4	1075.7	1076.1
140°	1109.1	1110.4	1111.8	1113.1	1114.2	1115.0	1115.9	1116.6	1117.5	1118.0	1118.6
142.5°	1150.9	1152.1	1153.2	1154.3	1155.4	1156.4	1157.4	1158.5	1159.5	1159.9	1160.2
145°	1212.7	1213.8	1214.8	1216.0	1216.9	1217.8	1218.5	1219.4	1220.2	1220.2	1220.2
147.5°	1269.4	1270.1	1270.6	1271.2	1271.9	1272.5	1273.2	1273.8	1274.5	1275.2	1275.7
150°	1306.7	1306.5	1306.2	1305.9	1306.3	1307.4	1308.5	1309.6	1310.7	1310.7	1310.7
152.5°	1338.7	1339.1	1339.4	1339.8	1340.2	1340.7	1341.0	1341.5	1342.0	1342.7	1343.2
155°	1386.5	1386.5	1386.5	1386.5	1386.6	1386.9	1387.1	1387.4	1387.7	1388.7	1389.9
157.5°	1428.9	1428.3	1427.7	1427.1	1426.9	1427.2	1427.5	1427.8	1428.0	1429.1	1430.2
160°	1454.2	1453.3	1452.5	1451.7	1451.4	1451.7	1452.0	1452.2	1452.5	1453.6	1454.6
162.5°	1476.9	1476.2	1475.6	1475.1	1474.8	1474.8	1474.9	1474.9	1475.0	1476.3	1477.6
165°	1506.9	1506.4	1505.9	1505.3	1505.2	1505.4	1505.7	1506.0	1506.3	1507.4	1508.4
167.5°	1531.8	1530.8	1529.7	1528.6	1528.0	1528.0	1528.0	1528.0	1528.0	1529.7	1531.3
170°	1545.6	1544.5	1543.4	1542.3	1541.7	1541.7	1541.7	1541.7	1541.7	1543.4	1545.0
172.5°	1555.3	1554.3	1553.1	1552.1	1551.5	1551.5	1551.5	1551.5	1551.5	1553.1	1554.8
175°	1566.3	1565.3	1564.1	1563.1	1562.5	1562.5	1562.5	1562.5	1562.5	1564.1	1565.8
177.5°	1572.2	1571.3	1570.5	1569.5	1569.1	1568.8	1568.6	1568.4	1568.1	1569.4	1570.7
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	553.7	553.7	556.7	556.5	558.5	557.7	558.1
5°	595.2	598.9	602.2	604.4	607.7	608.5	608.0
7.5°	638.3	646.5	650.4	656.0	657.0	659.9	659.6
10°	664.9	673.0	679.1	683.8	686.3	689.3	689.6
12.5°	685.8	692.7	698.0	702.5	705.4	706.3	706.9
15°	702.2	709.7	716.0	722.4	726.1	729.0	730.5
17.5°	718.6	730.4	741.5	750.1	755.3	759.6	759.6
20°	731.3	744.8	758.7	768.5	778.6	783.0	783.6
22.5°	744.9	765.5	783.5	798.7	811.9	816.4	818.1
25°	773.2	800.1	827.8	849.1	864.4	873.4	874.7
27.5°	807.3	843.8	872.9	892.6	905.2	911.9	913.3
30°	831.3	865.1	891.2	906.0	911.9	912.8	909.5
32.5°	842.1	867.3	877.8	876.9	865.3	857.7	854.8
35°	828.9	823.7	798.2	767.7	744.4	729.6	725.7
37.5°	754.3	709.3	662.4	616.3	591.8	579.3	557.9
40°	680.8	616.5	567.8	529.0	501.3	479.1	473.9
42.5°	597.9	531.5	482.8	449.6	427.4	412.3	405.6
45°	480.4	423.4	383.0	357.6	340.6	329.5	324.5
47.5°	384.3	340.1	310.8	291.9	278.9	269.3	266.6
50°	331.5	296.1	271.4	255.4	245.6	238.3	235.3
52.5°	287.9	259.4	240.3	227.2	218.0	213.4	210.8
55°	237.6	213.0	199.3	188.8	183.6	179.9	178.1
57.5°	194.4	176.5	166.5	159.3	154.5	152.1	151.3
60°	170.1	156.2	147.0	141.4	138.1	135.1	134.1
62.5°	148.6	137.7	130.6	125.6	122.4	121.1	120.6
65°	119.8	112.6	107.4	104.3	101.7	101.2	101.0
67.5°	95.2	91.0	88.2	85.1	84.2	82.7	82.3
70°	81.4	78.6	75.3	74.3	73.1	71.6	71.9
72.5°	69.1	66.3	64.0	62.6	62.2	61.5	62.1
75°	50.5	49.7	48.8	47.7	47.2	47.2	47.0
77.5°	36.1	35.3	34.4	33.7	33.6	32.7	33.0
80°	26.1	25.1	24.6	24.8	24.1	23.9	23.9
82.5°	19.3	18.9	18.5	18.6	18.4	18.2	18.4
85°	10.7	10.5	10.5	10.3	10.3	10.0	10.0
87.5°	8.6	9.0	8.9	8.9	9.0	9.3	9.7
90°	23.7	25.0	26.1	26.9	27.7	28.6	29.3
92.5°	52.3	54.1	55.3	55.9	56.6	57.1	57.7
95°	99.8	101.8	102.9	103.5	104.1	104.6	105.2
97.5°	155.2	157.0	158.2	158.4	158.8	159.1	159.5
100°	194.4	196.8	198.3	198.9	199.4	200.0	200.5
102.5°	234.1	236.9	238.6	239.3	240.1	240.8	241.6
105°	297.1	298.7	299.9	300.8	301.6	302.4	303.2
107.5°	365.3	366.2	366.6	366.5	366.4	366.4	366.3
110°	413.2	414.1	414.3	414.1	413.8	413.5	413.2



TEST NUMBER: P333653-830

CATALOG NUMBER: S125RDIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	460.8	461.2	461.2	460.7	460.2	459.7	459.2
115°	533.5	533.2	532.9	532.6	532.3	532.2	531.9
117.5°	607.3	607.6	607.1	606.1	604.9	603.9	602.8
120°	656.6	656.6	656.0	654.9	653.8	652.7	651.7
122.5°	704.8	704.6	704.1	703.1	702.3	701.4	700.6
125°	776.0	775.4	775.1	774.8	774.5	774.2	773.9
127.5°	847.2	847.0	846.5	846.0	845.5	844.9	844.3
130°	894.2	893.9	893.4	893.0	892.4	891.8	891.3
132.5°	939.1	938.9	938.4	937.6	936.8	936.0	935.3
135°	1008.7	1008.7	1008.1	1007.0	1006.0	1004.8	1003.8
137.5°	1076.4	1076.8	1076.2	1074.9	1073.5	1072.1	1070.8
140°	1119.1	1119.6	1119.3	1117.9	1116.5	1115.2	1113.8
142.5°	1160.6	1160.8	1160.4	1159.0	1157.6	1156.2	1154.9
145°	1220.2	1220.2	1219.7	1219.0	1218.1	1217.3	1216.5
147.5°	1276.4	1277.1	1276.5	1274.6	1272.8	1270.9	1269.1
150°	1310.7	1310.7	1310.4	1309.9	1309.3	1308.7	1308.2
152.5°	1343.9	1344.5	1344.4	1343.4	1342.5	1341.4	1340.5
155°	1390.9	1392.0	1391.9	1390.5	1389.2	1387.8	1386.5
157.5°	1431.3	1432.4	1432.0	1430.2	1428.4	1426.6	1424.8
160°	1455.8	1456.8	1456.7	1455.4	1454.0	1452.6	1451.2
162.5°	1478.8	1480.2	1480.1	1478.5	1476.9	1475.4	1473.8
165°	1509.6	1510.6	1510.3	1508.7	1507.1	1505.4	1503.8
167.5°	1533.0	1534.6	1534.6	1532.9	1531.2	1529.5	1527.8
170°	1546.6	1548.2	1548.1	1546.2	1544.4	1542.4	1540.5
172.5°	1556.4	1558.0	1558.0	1556.3	1554.6	1552.9	1551.2
175°	1567.4	1569.1	1568.9	1567.0	1565.1	1563.2	1561.3
177.5°	1572.1	1573.4	1573.3	1571.7	1570.2	1568.7	1567.2
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1

(END OF REPORT)