

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: P333027-927

Luminaire Tested: **S124RDIW-S350D1340U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333027-927  
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-S350D1340U927-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5429.7 lumens  
Efficiency: N/A  
Efficacy: 116.5 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

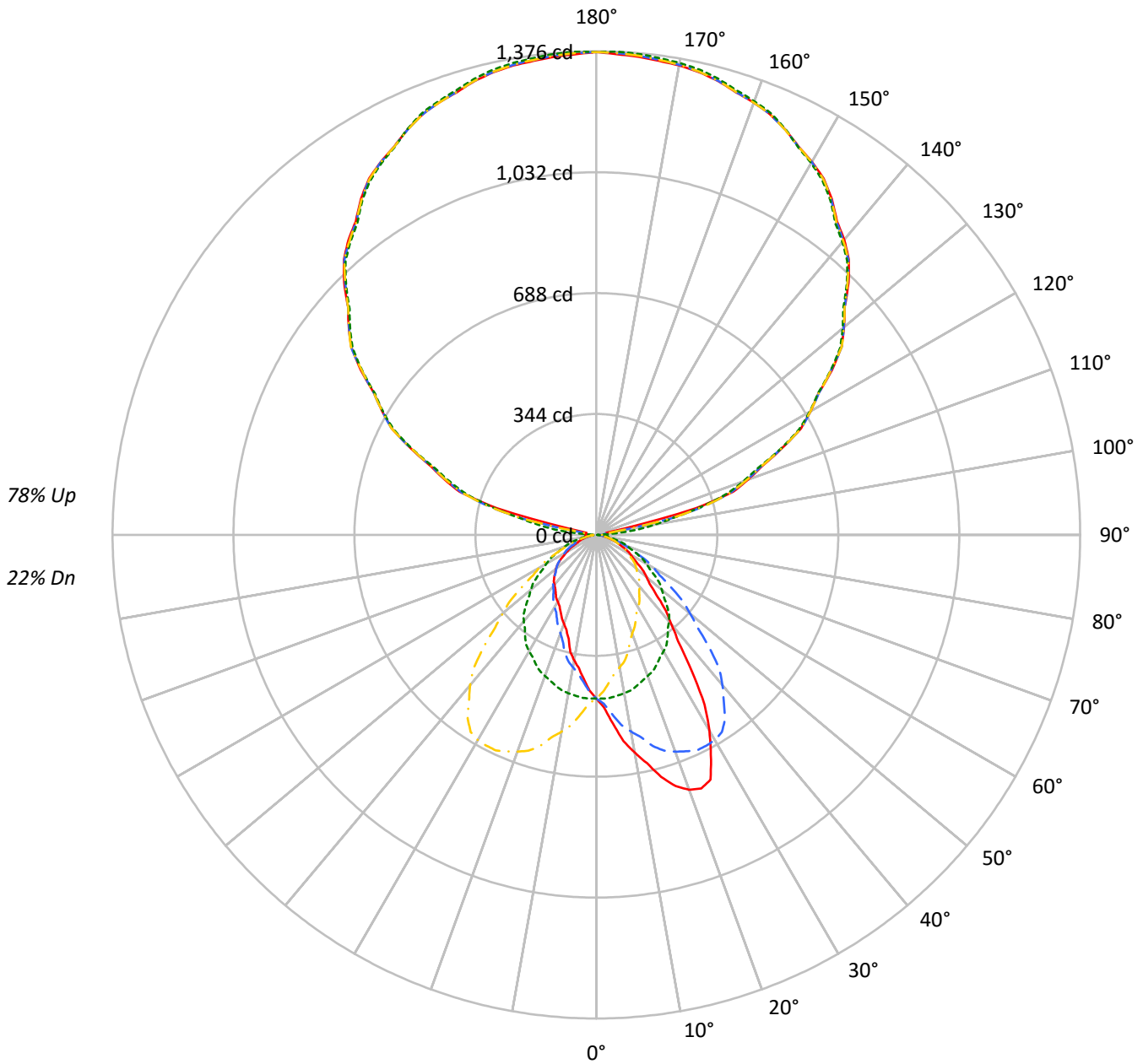
Input Watts (W): 46.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

### Luminous Intensity Polar Plot



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



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**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	68	68	68	48	48	48	30	30	30	22
1	92	88	84	81	81	78	75	72	59	57	56	42	41	40	27	26	26	19
2	84	77	71	66	74	68	63	59	52	49	46	37	36	34	24	23	22	16
3	76	67	61	55	67	60	54	50	46	42	39	33	31	29	21	20	19	14
4	70	60	52	47	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	40	56	47	41	36	37	32	29	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	43	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	39	31	26	44	35	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	21	39	29	23	19	23	18	15	17	14	12	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	3756	3756	3756	3756
5°	4357	3767	3331	3767
10°	5155	3751	2972	3751
15°	5954	3717	2554	3717
20°	6630	3669	2310	3669
25°	6844	3622	2144	3622
30°	5991	3566	2045	3566
35°	4664	3481	1985	3481
40°	3497	3385	1952	3385
45°	2762	3230	1934	3230
50°	2331	3052	1879	3052
55°	2031	2856	1779	2856
60°	1828	2651	1574	2651
65°	1612	2432	1354	2432
70°	1452	2205	1220	2205
75°	1216	1953	1042	1953
80°	1027	1664	976	1664
85°	861	1306	861	1306



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.1	0.8
10°-20°	136.0	2.5
20°-30°	212.7	3.9
30°-40°	236.5	4.4
40°-50°	209.8	3.9
50°-60°	163.5	3.0
60°-70°	107.0	2.0
70°-80°	52.6	1.0
80°-90°	16.9	0.3
90°-100°	47.0	0.9
100°-110°	299.6	5.5
110°-120°	573.1	10.6
120°-130°	727.5	13.4
130°-140°	778.4	14.3
140°-150°	727.9	13.4
150°-160°	587.0	10.8
160°-170°	378.6	7.0
170°-180°	130.5	2.4
0°-30°	393.8	7.3
0°-40°	630.3	11.6
0°-60°	1003.6	18.5
0°-90°	1180.2	21.7
90°-120°	919.7	16.9
90°-150°	3153.4	58.1
90°-180°	4250.0	78.3
0°-180°	5429.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	465	465	465	465	465	
5°	538	465	411	465	538	54
15°	712	445	306	445	712	203
25°	768	407	241	407	768	341
35°	473	353	201	353	473	297
45°	242	283	169	283	242	192
55°	144	203	126	203	144	131
65°	84	127	71	127	84	85
75°	39	63	33	63	39	43
85°	9	14	9	14	9	11
90°	31	3	31	3	31	14
95°	30	56	30	56	30	24
105°	293	309	293	309	293	255
115°	582	577	582	577	582	576
125°	818	812	818	812	818	728
135°	1014	1007	1014	1007	1014	781
145°	1167	1161	1167	1161	1167	729
155°	1272	1273	1272	1273	1272	587
165°	1337	1343	1337	1343	1337	378
175°	1366	1374	1366	1374	1366	130
180°	1374	1374	1374	1374	1374	



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	490.8	492.2	490.8	490.7	489.2	488.7	488.1	486.2	482.6	480.5	480.9
5°	537.7	542.4	539.8	539.4	535.3	531.2	528.5	522.5	516.1	511.8	508.3
7.5°	591.9	594.6	592.9	590.3	583.7	579.9	573.8	565.9	554.4	545.7	537.7
10°	628.8	631.1	630.3	625.4	620.6	610.6	605.0	594.0	579.5	568.1	557.4
12.5°	665.1	667.5	660.9	661.2	651.9	644.0	635.2	621.2	604.6	589.9	576.5
15°	712.4	709.4	709.4	705.7	695.4	684.5	675.3	660.7	639.7	622.1	603.5
17.5°	749.5	750.5	749.0	740.1	732.1	720.8	703.9	686.9	667.4	643.7	624.8
20°	771.7	771.7	770.0	764.0	753.5	741.5	723.3	704.7	680.0	656.2	634.9
22.5°	780.7	781.3	779.3	774.4	764.9	753.2	737.7	718.8	693.3	666.5	640.1
25°	768.3	771.9	772.2	771.0	768.1	761.0	747.7	728.4	705.5	676.4	647.9
27.5°	705.4	709.9	713.8	720.3	729.0	733.4	734.0	724.2	704.3	676.3	647.6
30°	642.7	646.4	658.6	674.5	686.9	698.2	708.0	710.6	699.3	674.2	644.0
32.5°	573.1	578.2	590.4	607.5	628.1	647.2	669.1	680.2	679.9	664.9	637.0
35°	473.2	477.0	488.2	506.2	530.9	559.3	594.0	620.9	639.3	638.0	620.9
37.5°	381.7	385.9	397.2	412.2	436.2	471.2	504.8	542.0	575.9	595.0	589.3
40°	331.8	332.0	343.1	358.5	381.0	411.5	448.1	489.3	527.2	558.2	564.1
42.5°	292.6	292.6	299.9	316.5	332.6	361.4	396.3	437.3	481.6	517.4	533.2
45°	241.9	243.5	249.5	259.4	272.2	296.6	324.6	362.6	412.3	454.6	481.1
47.5°	204.8	207.3	211.1	219.2	229.3	245.6	268.7	302.9	343.3	389.9	427.5
50°	185.6	186.0	190.8	195.4	204.1	217.1	237.3	265.9	303.0	347.8	389.6
52.5°	169.1	169.1	172.0	177.7	184.8	194.9	211.3	237.2	270.1	310.3	353.5
55°	144.3	145.3	147.6	152.0	157.5	164.6	177.5	197.0	222.9	257.2	296.4
57.5°	125.6	126.0	127.8	129.7	134.7	139.9	149.6	163.1	184.9	213.0	249.5
60°	113.2	113.4	114.0	116.8	120.7	125.6	132.2	143.6	162.0	187.7	216.6
62.5°	101.2	101.6	102.4	104.5	107.6	110.9	117.8	127.0	142.2	164.1	190.1
65°	84.4	84.5	85.9	86.6	89.0	92.1	97.1	103.3	113.8	132.2	151.9
67.5°	70.5	70.5	70.6	71.6	73.3	75.3	78.3	83.3	91.2	102.4	119.8
70°	61.5	61.5	61.9	62.4	63.4	65.0	66.8	70.5	76.3	85.5	98.8
72.5°	53.1	53.2	53.6	53.7	54.2	55.6	56.9	59.3	63.5	70.5	81.3
75°	39.0	39.5	40.5	41.3	42.2	42.0	43.3	44.8	46.1	50.2	56.4
77.5°	29.0	28.8	28.8	29.5	29.5	29.8	30.7	31.8	32.9	34.8	37.0
80°	22.1	22.1	22.7	22.9	22.7	22.9	23.8	24.4	24.7	25.5	27.6
82.5°	16.7	17.0	16.9	17.0	17.1	17.3	18.1	18.2	18.6	18.9	19.7
85°	9.3	9.6	9.7	9.3	9.3	9.3	9.7	9.9	10.3	10.1	10.5
87.5°	9.4	9.2	9.3	9.2	9.3	9.0	8.8	8.8	8.2	8.2	7.8
90°	30.8	30.3	29.9	29.5	29.0	28.1	26.7	25.3	24.0	22.6	20.8
92.5°	28.4	28.3	28.2	28.1	28.0	27.3	25.9	24.6	23.1	21.8	20.0
95°	29.8	29.5	29.3	29.1	28.9	28.1	26.7	25.3	24.0	22.6	22.3
97.5°	28.8	28.5	28.3	28.1	27.9	27.6	27.6	27.4	27.3	27.1	52.6
100°	28.8	28.5	28.3	28.1	27.9	29.7	33.6	37.5	41.4	45.2	76.7
102.5°	29.6	29.5	29.5	29.5	29.4	50.3	92.2	134.1	175.9	217.9	222.0
105°	292.9	301.0	309.3	317.5	325.7	328.8	326.8	324.7	322.7	320.6	319.4
107.5°	408.1	407.3	406.4	405.5	404.6	403.7	402.7	401.7	400.7	399.7	398.2
110°	458.3	457.6	456.9	456.2	455.5	455.0	454.5	454.1	453.6	453.1	451.8



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	508.4	507.6	506.7	505.8	504.9	504.5	504.6	504.7	504.9	504.9	504.3
115°	581.5	581.5	581.5	581.5	581.5	581.3	580.9	580.4	580.0	579.5	579.7
117.5°	655.9	656.1	656.2	656.2	656.3	656.4	656.5	656.6	656.7	656.8	656.2
120°	702.8	703.3	703.7	704.2	704.6	704.6	704.2	703.7	703.3	702.8	703.1
122.5°	748.8	749.3	749.7	750.2	750.7	750.8	750.5	750.2	750.0	749.6	749.3
125°	817.9	817.7	817.5	817.2	817.0	816.5	815.9	815.2	814.4	813.8	814.2
127.5°	878.5	878.7	878.8	879.1	879.2	879.4	879.6	879.7	879.8	880.0	878.9
130°	919.6	919.6	919.6	919.6	919.6	919.5	919.2	919.0	918.9	918.6	917.9
132.5°	957.4	957.6	957.8	958.0	958.1	958.1	957.9	957.7	957.4	957.2	956.3
135°	1014.2	1013.7	1013.2	1012.8	1012.3	1011.9	1011.4	1011.0	1010.5	1010.0	1009.2
137.5°	1062.6	1062.8	1063.0	1063.0	1063.2	1063.0	1062.5	1062.0	1061.5	1061.0	1060.0
140°	1096.4	1096.1	1095.9	1095.7	1095.4	1095.0	1094.3	1093.6	1092.9	1092.3	1091.8
142.5°	1124.3	1124.3	1124.2	1124.2	1124.1	1123.9	1123.3	1122.8	1122.4	1121.8	1121.6
145°	1167.3	1166.8	1166.3	1165.9	1165.5	1165.1	1164.8	1164.6	1164.4	1164.2	1164.2
147.5°	1202.8	1202.5	1202.4	1202.1	1201.9	1201.7	1201.5	1201.3	1201.1	1200.9	1201.2
150°	1225.8	1225.6	1225.3	1225.1	1224.9	1224.8	1224.8	1224.8	1224.8	1224.8	1225.0
152.5°	1245.5	1245.7	1245.8	1245.9	1246.1	1245.9	1245.6	1245.2	1244.9	1244.5	1244.9
155°	1272.1	1272.7	1273.4	1274.1	1274.8	1274.7	1273.7	1272.9	1271.9	1271.1	1271.7
157.5°	1294.3	1295.5	1296.6	1297.8	1299.0	1299.0	1297.8	1296.6	1295.5	1294.3	1295.1
160°	1309.1	1310.4	1311.8	1313.1	1314.5	1314.5	1313.1	1311.8	1310.4	1309.1	1309.2
162.5°	1320.6	1322.1	1323.7	1325.2	1326.7	1326.8	1325.5	1324.1	1322.7	1321.4	1321.6
165°	1336.8	1338.9	1340.9	1343.0	1345.0	1345.1	1343.3	1341.5	1339.7	1337.8	1337.8
167.5°	1348.9	1351.2	1353.4	1355.7	1358.0	1358.2	1356.1	1354.2	1352.2	1350.1	1350.3
170°	1356.3	1358.6	1360.9	1363.2	1365.4	1365.6	1363.8	1362.0	1360.2	1358.4	1358.1
172.5°	1360.4	1362.9	1365.3	1367.8	1370.3	1370.6	1368.8	1366.9	1365.1	1363.3	1363.0
175°	1365.6	1368.3	1371.0	1373.8	1376.5	1376.9	1374.8	1372.8	1370.7	1368.7	1368.4
177.5°	1368.8	1371.0	1373.2	1375.4	1377.6	1378.0	1376.5	1375.1	1373.6	1372.1	1371.7
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	479.4	477.4	476.3	473.9	471.0	469.5	468.2	466.2	463.7	461.0	459.1
5°	503.7	499.2	493.6	486.9	480.9	475.1	470.0	464.9	459.1	453.1	447.2
7.5°	528.7	519.9	510.3	499.2	488.5	478.7	469.7	461.1	451.4	442.6	434.7
10°	546.1	534.2	520.9	506.8	492.7	480.5	468.5	457.6	445.7	435.0	426.0
12.5°	560.2	546.1	530.1	512.6	495.7	480.9	467.1	453.0	439.3	427.8	415.7
15°	583.6	564.4	542.8	521.7	499.9	479.7	461.2	444.7	429.1	412.8	401.4
17.5°	599.8	576.8	550.6	525.4	499.5	475.8	454.4	434.7	416.8	400.1	386.5
20°	609.3	584.0	554.9	526.2	497.2	471.9	448.9	427.1	408.5	390.5	376.4
22.5°	614.7	586.7	554.9	524.9	494.8	467.4	442.1	419.5	399.3	381.2	365.7
25°	616.5	586.5	554.1	519.5	486.6	457.5	431.2	406.6	384.1	366.1	349.7
27.5°	614.0	578.7	545.5	510.1	476.0	445.4	417.9	392.1	369.6	350.2	333.3
30°	610.5	572.6	536.9	500.2	465.7	436.3	407.2	382.5	359.0	339.0	321.9
32.5°	602.6	565.1	526.7	489.1	454.2	423.8	396.2	371.4	348.4	327.9	309.7
35°	587.2	549.1	507.6	468.9	434.6	403.1	377.2	353.2	331.3	309.3	290.3
37.5°	566.8	528.0	486.6	444.3	409.9	380.2	356.5	333.9	312.5	292.5	271.3
40°	547.6	512.2	469.4	427.5	392.2	363.5	341.6	321.2	299.6	279.7	258.6
42.5°	524.4	494.2	451.0	408.8	374.1	346.4	326.0	306.0	286.4	267.1	245.0
45°	485.6	462.7	422.2	381.8	346.7	319.2	300.6	282.9	265.7	247.3	226.5
47.5°	441.1	425.6	390.7	349.2	316.8	292.2	274.0	259.6	245.0	226.6	208.4
50°	410.2	400.3	366.5	328.7	297.7	275.0	256.5	243.0	230.8	213.2	196.9
52.5°	377.2	371.9	343.4	307.2	277.3	255.1	239.2	227.1	214.8	200.1	184.9
55°	326.9	329.8	305.6	274.3	246.1	227.4	213.0	202.9	192.3	180.0	168.2
57.5°	275.6	285.9	269.7	242.2	215.8	198.4	187.6	179.1	170.2	160.0	149.9
60°	244.9	253.5	244.3	220.1	197.0	180.9	170.8	164.2	155.4	146.1	138.4
62.5°	214.8	224.1	218.6	199.1	177.7	163.8	154.9	148.8	142.2	134.0	126.0
65°	177.2	183.2	180.5	167.1	151.9	140.1	131.8	127.3	121.3	115.3	108.2
67.5°	135.7	147.3	145.8	138.6	125.5	116.2	110.8	106.9	101.4	97.0	92.1
70°	111.5	122.2	122.1	116.2	109.1	100.5	96.7	93.4	88.5	84.2	80.2
72.5°	91.3	101.1	102.6	98.1	93.2	86.7	83.1	80.8	76.0	73.1	69.9
75°	63.9	71.1	73.0	73.0	70.7	67.3	64.1	62.6	59.3	56.6	54.7
77.5°	41.9	46.4	49.4	50.0	50.4	49.2	46.6	45.6	42.9	42.1	40.2
80°	29.6	32.6	36.0	37.2	38.0	37.7	36.6	35.8	33.4	32.4	31.7
82.5°	20.4	22.1	24.9	27.4	27.1	28.1	27.1	26.5	24.6	24.3	23.6
85°	10.7	10.9	11.2	12.9	13.9	14.3	14.4	14.1	13.5	13.5	12.2
87.5°	7.4	6.9	6.8	6.3	6.0	6.1	6.1	5.7	5.8	5.8	5.9
90°	18.9	17.1	15.3	13.2	10.6	8.1	5.6	3.1	5.6	8.1	10.6
92.5°	18.1	16.3	14.5	13.5	13.4	13.2	13.1	12.9	13.1	13.2	13.4
95°	22.2	21.9	21.7	25.4	33.2	41.0	48.7	56.5	48.7	41.0	33.2
97.5°	78.1	103.5	129.0	139.3	134.5	129.7	124.8	120.0	124.8	129.7	134.5
100°	108.2	139.7	171.3	185.0	180.9	176.7	172.6	168.5	172.6	176.7	180.9
102.5°	226.1	230.1	234.2	234.8	231.8	228.8	225.8	222.8	225.8	228.8	231.8
105°	318.3	317.2	316.0	314.7	313.4	312.0	310.6	309.3	310.6	312.0	313.4
107.5°	396.6	395.1	393.5	392.4	391.7	391.0	390.3	389.6	390.3	391.0	391.7
110°	450.4	449.0	447.7	446.6	445.9	445.3	444.6	443.9	444.6	445.3	445.9





TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	503.7	503.0	502.3	501.5	500.2	499.0	497.7	496.5	497.7	499.0	500.2
115°	580.0	580.2	580.4	580.2	579.5	578.8	578.1	577.4	578.1	578.8	579.5
117.5°	655.8	655.3	654.7	654.0	653.2	652.2	651.3	650.4	651.3	652.2	653.2
120°	703.3	703.5	703.7	703.4	702.5	701.6	700.6	699.7	700.6	701.6	702.5
122.5°	749.0	748.7	748.4	748.0	747.4	746.9	746.3	745.8	746.3	746.9	747.4
125°	814.7	815.2	815.6	815.4	814.4	813.6	812.6	811.7	812.6	813.6	814.4
127.5°	877.8	876.8	875.8	875.1	874.9	874.6	874.4	874.2	874.4	874.6	874.9
130°	917.2	916.6	915.8	915.4	915.1	915.0	914.7	914.5	914.7	915.0	915.1
132.5°	955.5	954.7	953.8	953.1	952.7	952.3	951.9	951.5	951.9	952.3	952.7
135°	1008.2	1007.3	1006.4	1006.1	1006.3	1006.5	1006.7	1006.9	1006.7	1006.5	1006.3
137.5°	1059.0	1058.0	1057.0	1056.5	1056.4	1056.2	1056.1	1056.1	1056.1	1056.2	1056.4
140°	1091.3	1090.8	1090.4	1090.0	1089.5	1089.0	1088.6	1088.1	1088.6	1089.0	1089.5
142.5°	1121.3	1121.0	1120.7	1120.2	1119.4	1118.6	1117.7	1116.9	1117.7	1118.6	1119.4
145°	1164.2	1164.2	1164.2	1163.8	1163.2	1162.4	1161.7	1161.1	1161.7	1162.4	1163.2
147.5°	1201.4	1201.7	1201.9	1201.3	1200.1	1198.8	1197.5	1196.2	1197.5	1198.8	1200.1
150°	1225.3	1225.5	1225.7	1225.3	1224.5	1223.5	1222.7	1221.7	1222.7	1223.5	1224.5
152.5°	1245.3	1245.8	1246.2	1246.0	1245.2	1244.5	1243.8	1243.1	1243.8	1244.5	1245.2
155°	1272.4	1273.1	1273.7	1274.0	1273.7	1273.5	1273.3	1273.1	1273.3	1273.5	1273.7
157.5°	1295.8	1296.6	1297.4	1297.8	1297.9	1298.1	1298.2	1298.4	1298.2	1298.1	1297.9
160°	1309.5	1309.7	1310.0	1310.4	1311.1	1311.8	1312.5	1313.1	1312.5	1311.8	1311.1
162.5°	1321.8	1322.1	1322.3	1322.9	1323.7	1324.6	1325.4	1326.3	1325.4	1324.6	1323.7
165°	1337.8	1337.8	1337.8	1338.4	1339.5	1340.7	1341.8	1343.0	1341.8	1340.7	1339.5
167.5°	1350.4	1350.6	1350.7	1351.4	1352.6	1353.8	1354.9	1356.1	1354.9	1353.8	1352.6
170°	1357.9	1357.6	1357.5	1358.0	1359.4	1360.7	1362.2	1363.5	1362.2	1360.7	1359.4
172.5°	1362.9	1362.6	1362.4	1362.9	1364.3	1365.7	1367.1	1368.4	1367.1	1365.7	1364.3
175°	1368.2	1367.9	1367.7	1368.3	1369.7	1371.0	1372.4	1373.8	1372.4	1371.0	1369.7
177.5°	1371.4	1371.0	1370.6	1371.1	1372.4	1373.6	1375.0	1376.3	1375.0	1373.6	1372.4
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	456.9	455.4	453.5	451.2	448.5	446.2	445.0	446.0	446.5	445.2	445.0
5°	443.0	438.3	434.6	429.0	424.5	420.7	418.1	416.9	417.3	414.3	413.6
7.5°	427.4	421.8	415.7	409.0	402.8	397.3	394.4	392.8	389.6	388.2	386.0
10°	417.3	409.9	403.9	395.9	388.8	382.3	379.1	376.4	373.3	371.8	368.6
12.5°	407.0	398.3	391.7	383.5	376.2	368.4	365.3	360.4	355.5	352.3	348.2
15°	392.4	381.9	373.8	364.1	355.5	346.5	338.4	329.4	326.1	318.9	314.8
17.5°	375.3	364.7	354.7	341.7	328.4	317.1	308.6	299.9	294.8	290.3	288.1
20°	364.1	354.3	340.5	325.3	310.5	298.1	291.1	285.5	279.9	276.7	274.5
22.5°	353.5	341.0	324.9	308.5	293.7	284.0	278.1	272.4	267.8	264.7	261.7
25°	335.6	319.2	302.2	283.4	273.4	264.9	258.6	253.8	251.0	247.1	245.6
27.5°	317.3	297.5	278.7	266.1	255.6	247.8	242.2	238.8	235.2	232.7	230.7
30°	303.2	283.1	266.3	254.2	243.5	237.2	232.7	228.5	225.7	223.6	222.2
32.5°	289.2	269.2	255.0	242.1	233.6	227.4	222.6	219.5	217.3	214.7	213.7
35°	269.0	251.2	238.8	227.2	218.6	213.0	209.2	206.0	204.1	203.4	202.9
37.5°	249.6	235.0	221.7	212.2	204.5	200.1	195.7	194.1	192.8	191.5	192.1
40°	237.3	223.6	211.8	201.8	195.5	190.7	188.1	186.2	185.1	185.1	185.1
42.5°	226.7	213.3	201.8	192.7	186.6	182.4	179.5	177.9	177.5	177.4	178.3
45°	210.2	197.8	186.2	178.6	173.4	169.3	167.6	166.3	166.3	167.1	167.2
47.5°	193.8	182.2	172.9	164.5	159.6	157.1	155.6	155.0	155.0	155.7	156.6
50°	183.7	172.3	163.1	155.6	151.1	148.7	147.3	146.9	147.3	147.3	148.7
52.5°	172.8	162.6	153.5	147.2	142.1	139.8	139.1	138.6	138.8	139.4	140.0
55°	156.8	147.6	138.9	132.9	129.2	127.7	126.0	126.2	125.8	126.2	126.2
57.5°	140.6	132.4	124.4	119.6	116.3	114.2	112.3	112.8	112.3	112.2	111.9
60°	130.3	121.3	114.9	110.6	106.9	105.0	103.3	103.7	103.1	102.7	102.0
62.5°	119.1	111.5	105.4	101.3	98.3	96.2	94.4	94.1	92.8	91.5	89.8
65°	102.7	96.6	91.1	87.2	84.4	82.7	81.4	80.2	77.4	74.5	73.0
67.5°	86.9	82.4	77.3	74.0	71.7	69.6	67.0	65.1	62.5	60.8	59.9
70°	76.7	72.4	68.0	64.9	62.4	60.4	57.6	56.2	54.3	53.6	52.7
72.5°	66.9	62.9	58.9	56.0	53.5	51.8	49.6	48.3	47.5	47.1	46.3
75°	52.1	49.0	45.9	43.3	41.3	40.1	39.2	38.3	37.9	36.2	35.3
77.5°	38.0	35.9	34.1	32.2	30.7	29.9	28.1	27.1	26.5	25.7	25.4
80°	29.6	28.1	26.2	25.1	23.1	22.3	21.5	21.4	21.2	21.0	20.8
82.5°	22.3	20.8	18.9	18.2	17.7	17.2	16.8	16.6	16.4	16.5	16.5
85°	11.2	10.5	10.5	10.3	10.1	9.9	9.7	9.7	9.6	9.7	9.6
87.5°	6.3	6.7	7.1	7.1	7.6	8.0	8.1	8.4	8.8	8.8	9.0
90°	13.2	15.3	17.1	18.9	20.8	22.6	24.0	25.3	26.7	28.1	29.0
92.5°	13.5	14.5	16.3	18.1	20.0	21.8	23.1	24.6	25.9	27.3	28.0
95°	25.4	21.7	21.9	22.2	22.3	22.6	24.0	25.3	26.7	28.1	28.9
97.5°	139.3	129.0	103.5	78.1	52.6	27.1	27.3	27.4	27.6	27.6	27.9
100°	185.0	171.3	139.7	108.2	76.7	45.2	41.4	37.5	33.6	29.7	27.9
102.5°	234.8	234.2	230.1	226.1	222.0	217.9	175.9	134.1	92.2	50.3	29.4
105°	314.7	316.0	317.2	318.3	319.4	320.6	322.7	324.7	326.8	328.8	325.7
107.5°	392.4	393.5	395.1	396.6	398.2	399.7	400.7	401.7	402.7	403.7	404.6
110°	446.6	447.7	449.0	450.4	451.8	453.1	453.6	454.1	454.5	455.0	455.5



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	501.5	502.3	503.0	503.7	504.3	504.9	504.9	504.7	504.6	504.5	504.9
115°	580.2	580.4	580.2	580.0	579.7	579.5	580.0	580.4	580.9	581.3	581.5
117.5°	654.0	654.7	655.3	655.8	656.2	656.8	656.7	656.6	656.5	656.4	656.3
120°	703.4	703.7	703.5	703.3	703.1	702.8	703.3	703.7	704.2	704.6	704.6
122.5°	748.0	748.4	748.7	749.0	749.3	749.6	750.0	750.2	750.5	750.8	750.7
125°	815.4	815.6	815.2	814.7	814.2	813.8	814.4	815.2	815.9	816.5	817.0
127.5°	875.1	875.8	876.8	877.8	878.9	880.0	879.8	879.7	879.6	879.4	879.2
130°	915.4	915.8	916.6	917.2	917.9	918.6	918.9	919.0	919.2	919.5	919.6
132.5°	953.1	953.8	954.7	955.5	956.3	957.2	957.4	957.7	957.9	958.1	958.1
135°	1006.1	1006.4	1007.3	1008.2	1009.2	1010.0	1010.5	1011.0	1011.4	1011.9	1012.3
137.5°	1056.5	1057.0	1058.0	1059.0	1060.0	1061.0	1061.5	1062.0	1062.5	1063.0	1063.2
140°	1090.0	1090.4	1090.8	1091.3	1091.8	1092.3	1092.9	1093.6	1094.3	1095.0	1095.4
142.5°	1120.2	1120.7	1121.0	1121.3	1121.6	1121.8	1122.4	1122.8	1123.3	1123.9	1124.1
145°	1163.8	1164.2	1164.2	1164.2	1164.2	1164.2	1164.4	1164.6	1164.8	1165.1	1165.5
147.5°	1201.3	1201.9	1201.7	1201.4	1201.2	1200.9	1201.1	1201.3	1201.5	1201.7	1201.9
150°	1225.3	1225.7	1225.5	1225.3	1225.0	1224.8	1224.8	1224.8	1224.8	1224.8	1224.9
152.5°	1246.0	1246.2	1245.8	1245.3	1244.9	1244.5	1244.9	1245.2	1245.6	1245.9	1246.1
155°	1274.0	1273.7	1273.1	1272.4	1271.7	1271.1	1271.9	1272.9	1273.7	1274.7	1274.8
157.5°	1297.8	1297.4	1296.6	1295.8	1295.1	1294.3	1295.5	1296.6	1297.8	1299.0	1299.0
160°	1310.4	1310.0	1309.7	1309.5	1309.2	1309.1	1310.4	1311.8	1313.1	1314.5	1314.5
162.5°	1322.9	1322.3	1322.1	1321.8	1321.6	1321.4	1322.7	1324.1	1325.5	1326.8	1326.7
165°	1338.4	1337.8	1337.8	1337.8	1337.8	1337.8	1339.7	1341.5	1343.3	1345.1	1345.0
167.5°	1351.4	1350.7	1350.6	1350.4	1350.3	1350.1	1352.2	1354.2	1356.1	1358.2	1358.0
170°	1358.0	1357.5	1357.6	1357.9	1358.1	1358.4	1360.2	1362.0	1363.8	1365.6	1365.4
172.5°	1362.9	1362.4	1362.6	1362.9	1363.0	1363.3	1365.1	1366.9	1368.8	1370.6	1370.3
175°	1368.3	1367.7	1367.9	1368.2	1368.4	1368.7	1370.7	1372.8	1374.8	1376.9	1376.5
177.5°	1371.1	1370.6	1371.0	1371.4	1371.7	1372.1	1373.6	1375.1	1376.5	1378.0	1377.6
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	444.2	444.5	443.5	443.1	443.5	444.5	444.2	445.0	445.2	446.5	446.0
5°	412.1	411.7	410.7	411.0	410.7	411.7	412.1	413.6	414.3	417.3	416.9
7.5°	384.6	383.2	383.6	382.1	383.6	383.2	384.6	386.0	388.2	389.6	392.8
10°	367.8	365.8	364.1	362.6	364.1	365.8	367.8	368.6	371.8	373.3	376.4
12.5°	344.9	343.1	340.9	341.3	340.9	343.1	344.9	348.2	352.3	355.5	360.4
15°	312.4	309.5	305.1	305.6	305.1	309.5	312.4	314.8	318.9	326.1	329.4
17.5°	284.8	284.8	282.7	283.3	282.7	284.8	284.8	288.1	290.3	294.8	299.9
20°	270.5	269.3	269.4	268.9	269.4	269.3	270.5	274.5	276.7	279.9	285.5
22.5°	260.6	259.0	257.7	256.6	257.7	259.0	260.6	261.7	264.7	267.8	272.4
25°	243.9	242.8	241.1	240.7	241.1	242.8	243.9	245.6	247.1	251.0	253.8
27.5°	229.2	229.0	228.3	227.4	228.3	229.0	229.2	230.7	232.7	235.2	238.8
30°	220.7	220.3	219.9	219.4	219.9	220.3	220.7	222.2	223.6	225.7	228.5
32.5°	213.0	212.8	212.4	212.5	212.4	212.8	213.0	213.7	214.7	217.3	219.5
35°	202.1	201.9	201.5	201.4	201.5	201.9	202.1	202.9	203.4	204.1	206.0
37.5°	191.9	192.4	192.2	192.1	192.2	192.4	191.9	192.1	191.5	192.8	194.1
40°	184.9	185.1	185.4	185.2	185.4	185.1	184.9	185.1	185.1	185.1	186.2
42.5°	179.0	179.0	179.6	179.0	179.6	179.0	179.0	178.3	177.4	177.5	177.9
45°	168.6	169.7	169.4	169.4	169.4	169.7	168.6	167.2	167.1	166.3	166.3
47.5°	157.1	158.1	158.4	158.3	158.4	158.1	157.1	156.6	155.7	155.0	155.0
50°	149.6	149.2	149.8	149.6	149.8	149.2	149.6	148.7	147.3	147.3	146.9
52.5°	140.5	140.5	140.5	140.3	140.5	140.5	140.5	140.0	139.4	138.8	138.6
55°	126.4	126.6	126.2	126.4	126.2	126.6	126.4	126.2	126.2	125.8	126.2
57.5°	111.1	110.2	110.5	110.1	110.5	110.2	111.1	111.9	112.2	112.3	112.8
60°	100.1	98.6	98.2	97.5	98.2	98.6	100.1	102.0	102.7	103.1	103.7
62.5°	87.9	86.7	85.5	86.1	85.5	86.7	87.9	89.8	91.5	92.8	94.1
65°	71.5	70.7	70.1	70.9	70.1	70.7	71.5	73.0	74.5	77.4	80.2
67.5°	59.1	58.7	58.7	58.4	58.7	58.7	59.1	59.9	60.8	62.5	65.1
70°	52.7	52.1	52.1	51.7	52.1	52.1	52.7	52.7	53.6	54.3	56.2
72.5°	46.1	45.6	45.7	45.5	45.7	45.6	46.1	46.3	47.1	47.5	48.3
75°	34.1	33.2	33.2	33.4	33.2	33.2	34.1	35.3	36.2	37.9	38.3
77.5°	25.4	25.3	25.5	25.2	25.5	25.3	25.4	25.4	25.7	26.5	27.1
80°	20.8	20.6	20.4	21.0	20.4	20.6	20.8	20.8	21.0	21.2	21.4
82.5°	16.2	16.2	16.1	16.8	16.1	16.2	16.2	16.5	16.5	16.4	16.6
85°	9.7	9.3	9.7	9.3	9.7	9.3	9.7	9.6	9.7	9.6	9.7
87.5°	9.3	9.3	9.2	9.4	9.2	9.3	9.3	9.0	8.8	8.8	8.4
90°	29.5	29.9	30.3	30.8	30.3	29.9	29.5	29.0	28.1	26.7	25.3
92.5°	28.1	28.2	28.3	28.4	28.3	28.2	28.1	28.0	27.3	25.9	24.6
95°	29.1	29.3	29.5	29.8	29.5	29.3	29.1	28.9	28.1	26.7	25.3
97.5°	28.1	28.3	28.5	28.8	28.5	28.3	28.1	27.9	27.6	27.6	27.4
100°	28.1	28.3	28.5	28.8	28.5	28.3	28.1	27.9	29.7	33.6	37.5
102.5°	29.5	29.5	29.5	29.6	29.5	29.5	29.5	29.4	50.3	92.2	134.1
105°	317.5	309.3	301.0	292.9	301.0	309.3	317.5	325.7	328.8	326.8	324.7
107.5°	405.5	406.4	407.3	408.1	407.3	406.4	405.5	404.6	403.7	402.7	401.7
110°	456.2	456.9	457.6	458.3	457.6	456.9	456.2	455.5	455.0	454.5	454.1



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	505.8	506.7	507.6	508.4	507.6	506.7	505.8	504.9	504.5	504.6	504.7
115°	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.3	580.9	580.4
117.5°	656.2	656.2	656.1	655.9	656.1	656.2	656.2	656.3	656.4	656.5	656.6
120°	704.2	703.7	703.3	702.8	703.3	703.7	704.2	704.6	704.6	704.2	703.7
122.5°	750.2	749.7	749.3	748.8	749.3	749.7	750.2	750.7	750.8	750.5	750.2
125°	817.2	817.5	817.7	817.9	817.7	817.5	817.2	817.0	816.5	815.9	815.2
127.5°	879.1	878.8	878.7	878.5	878.7	878.8	879.1	879.2	879.4	879.6	879.7
130°	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.5	919.2	919.0
132.5°	958.0	957.8	957.6	957.4	957.6	957.8	958.0	958.1	958.1	957.9	957.7
135°	1012.8	1013.2	1013.7	1014.2	1013.7	1013.2	1012.8	1012.3	1011.9	1011.4	1011.0
137.5°	1063.0	1063.0	1062.8	1062.6	1062.8	1063.0	1063.0	1063.2	1063.0	1062.5	1062.0
140°	1095.7	1095.9	1096.1	1096.4	1096.1	1095.9	1095.7	1095.4	1095.0	1094.3	1093.6
142.5°	1124.2	1124.2	1124.3	1124.3	1124.3	1124.2	1124.2	1124.1	1123.9	1123.3	1122.8
145°	1165.9	1166.3	1166.8	1167.3	1166.8	1166.3	1165.9	1165.5	1165.1	1164.8	1164.6
147.5°	1202.1	1202.4	1202.5	1202.8	1202.5	1202.4	1202.1	1201.9	1201.7	1201.5	1201.3
150°	1225.1	1225.3	1225.6	1225.8	1225.6	1225.3	1225.1	1224.9	1224.8	1224.8	1224.8
152.5°	1245.9	1245.8	1245.7	1245.5	1245.7	1245.8	1245.9	1246.1	1245.9	1245.6	1245.2
155°	1274.1	1273.4	1272.7	1272.1	1272.7	1273.4	1274.1	1274.8	1274.7	1273.7	1272.9
157.5°	1297.8	1296.6	1295.5	1294.3	1295.5	1296.6	1297.8	1299.0	1299.0	1297.8	1296.6
160°	1313.1	1311.8	1310.4	1309.1	1310.4	1311.8	1313.1	1314.5	1314.5	1313.1	1311.8
162.5°	1325.2	1323.7	1322.1	1320.6	1322.1	1323.7	1325.2	1326.7	1326.8	1325.5	1324.1
165°	1343.0	1340.9	1338.9	1336.8	1338.9	1340.9	1343.0	1345.0	1345.1	1343.3	1341.5
167.5°	1355.7	1353.4	1351.2	1348.9	1351.2	1353.4	1355.7	1358.0	1358.2	1356.1	1354.2
170°	1363.2	1360.9	1358.6	1356.3	1358.6	1360.9	1363.2	1365.4	1365.6	1363.8	1362.0
172.5°	1367.8	1365.3	1362.9	1360.4	1362.9	1365.3	1367.8	1370.3	1370.6	1368.8	1366.9
175°	1373.8	1371.0	1368.3	1365.6	1368.3	1371.0	1373.8	1376.5	1376.9	1374.8	1372.8
177.5°	1375.4	1373.2	1371.0	1368.8	1371.0	1373.2	1375.4	1377.6	1378.0	1376.5	1375.1
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	445.0	446.2	448.5	451.2	453.5	455.4	456.9	459.1	461.0	463.7	466.2
5°	418.1	420.7	424.5	429.0	434.6	438.3	443.0	447.2	453.1	459.1	464.9
7.5°	394.4	397.3	402.8	409.0	415.7	421.8	427.4	434.7	442.6	451.4	461.1
10°	379.1	382.3	388.8	395.9	403.9	409.9	417.3	426.0	435.0	445.7	457.6
12.5°	365.3	368.4	376.2	383.5	391.7	398.3	407.0	415.7	427.8	439.3	453.0
15°	338.4	346.5	355.5	364.1	373.8	381.9	392.4	401.4	412.8	429.1	444.7
17.5°	308.6	317.1	328.4	341.7	354.7	364.7	375.3	386.5	400.1	416.8	434.7
20°	291.1	298.1	310.5	325.3	340.5	354.3	364.1	376.4	390.5	408.5	427.1
22.5°	278.1	284.0	293.7	308.5	324.9	341.0	353.5	365.7	381.2	399.3	419.5
25°	258.6	264.9	273.4	283.4	302.2	319.2	335.6	349.7	366.1	384.1	406.6
27.5°	242.2	247.8	255.6	266.1	278.7	297.5	317.3	333.3	350.2	369.6	392.1
30°	232.7	237.2	243.5	254.2	266.3	283.1	303.2	321.9	339.0	359.0	382.5
32.5°	222.6	227.4	233.6	242.1	255.0	269.2	289.2	309.7	327.9	348.4	371.4
35°	209.2	213.0	218.6	227.2	238.8	251.2	269.0	290.3	309.3	331.3	353.2
37.5°	195.7	200.1	204.5	212.2	221.7	235.0	249.6	271.3	292.5	312.5	333.9
40°	188.1	190.7	195.5	201.8	211.8	223.6	237.3	258.6	279.7	299.6	321.2
42.5°	179.5	182.4	186.6	192.7	201.8	213.3	226.7	245.0	267.1	286.4	306.0
45°	167.6	169.3	173.4	178.6	186.2	197.8	210.2	226.5	247.3	265.7	282.9
47.5°	155.6	157.1	159.6	164.5	172.9	182.2	193.8	208.4	226.6	245.0	259.6
50°	147.3	148.7	151.1	155.6	163.1	172.3	183.7	196.9	213.2	230.8	243.0
52.5°	139.1	139.8	142.1	147.2	153.5	162.6	172.8	184.9	200.1	214.8	227.1
55°	126.0	127.7	129.2	132.9	138.9	147.6	156.8	168.2	180.0	192.3	202.9
57.5°	112.3	114.2	116.3	119.6	124.4	132.4	140.6	149.9	160.0	170.2	179.1
60°	103.3	105.0	106.9	110.6	114.9	121.3	130.3	138.4	146.1	155.4	164.2
62.5°	94.4	96.2	98.3	101.3	105.4	111.5	119.1	126.0	134.0	142.2	148.8
65°	81.4	82.7	84.4	87.2	91.1	96.6	102.7	108.2	115.3	121.3	127.3
67.5°	67.0	69.6	71.7	74.0	77.3	82.4	86.9	92.1	97.0	101.4	106.9
70°	57.6	60.4	62.4	64.9	68.0	72.4	76.7	80.2	84.2	88.5	93.4
72.5°	49.6	51.8	53.5	56.0	58.9	62.9	66.9	69.9	73.1	76.0	80.8
75°	39.2	40.1	41.3	43.3	45.9	49.0	52.1	54.7	56.6	59.3	62.6
77.5°	28.1	29.9	30.7	32.2	34.1	35.9	38.0	40.2	42.1	42.9	45.6
80°	21.5	22.3	23.1	25.1	26.2	28.1	29.6	31.7	32.4	33.4	35.8
82.5°	16.8	17.2	17.7	18.2	18.9	20.8	22.3	23.6	24.3	24.6	26.5
85°	9.7	9.9	10.1	10.3	10.5	10.5	11.2	12.2	13.5	13.5	14.1
87.5°	8.1	8.0	7.6	7.1	7.1	6.7	6.3	5.9	5.8	5.8	5.7
90°	24.0	22.6	20.8	18.9	17.1	15.3	13.2	10.6	8.1	5.6	3.1
92.5°	23.1	21.8	20.0	18.1	16.3	14.5	13.5	13.4	13.2	13.1	12.9
95°	24.0	22.6	22.3	22.2	21.9	21.7	25.4	33.2	41.0	48.7	56.5
97.5°	27.3	27.1	52.6	78.1	103.5	129.0	139.3	134.5	129.7	124.8	120.0
100°	41.4	45.2	76.7	108.2	139.7	171.3	185.0	180.9	176.7	172.6	168.5
102.5°	175.9	217.9	222.0	226.1	230.1	234.2	234.8	231.8	228.8	225.8	222.8
105°	322.7	320.6	319.4	318.3	317.2	316.0	314.7	313.4	312.0	310.6	309.3
107.5°	400.7	399.7	398.2	396.6	395.1	393.5	392.4	391.7	391.0	390.3	389.6
110°	453.6	453.1	451.8	450.4	449.0	447.7	446.6	445.9	445.3	444.6	443.9



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	504.9	504.9	504.3	503.7	503.0	502.3	501.5	500.2	499.0	497.7	496.5
115°	580.0	579.5	579.7	580.0	580.2	580.4	580.2	579.5	578.8	578.1	577.4
117.5°	656.7	656.8	656.2	655.8	655.3	654.7	654.0	653.2	652.2	651.3	650.4
120°	703.3	702.8	703.1	703.3	703.5	703.7	703.4	702.5	701.6	700.6	699.7
122.5°	750.0	749.6	749.3	749.0	748.7	748.4	748.0	747.4	746.9	746.3	745.8
125°	814.4	813.8	814.2	814.7	815.2	815.6	815.4	814.4	813.6	812.6	811.7
127.5°	879.8	880.0	878.9	877.8	876.8	875.8	875.1	874.9	874.6	874.4	874.2
130°	918.9	918.6	917.9	917.2	916.6	915.8	915.4	915.1	915.0	914.7	914.5
132.5°	957.4	957.2	956.3	955.5	954.7	953.8	953.1	952.7	952.3	951.9	951.5
135°	1010.5	1010.0	1009.2	1008.2	1007.3	1006.4	1006.1	1006.3	1006.5	1006.7	1006.9
137.5°	1061.5	1061.0	1060.0	1059.0	1058.0	1057.0	1056.5	1056.4	1056.2	1056.1	1056.1
140°	1092.9	1092.3	1091.8	1091.3	1090.8	1090.4	1090.0	1089.5	1089.0	1088.6	1088.1
142.5°	1122.4	1121.8	1121.6	1121.3	1121.0	1120.7	1120.2	1119.4	1118.6	1117.7	1116.9
145°	1164.4	1164.2	1164.2	1164.2	1164.2	1164.2	1163.8	1163.2	1162.4	1161.7	1161.1
147.5°	1201.1	1200.9	1201.2	1201.4	1201.7	1201.9	1201.3	1200.1	1198.8	1197.5	1196.2
150°	1224.8	1224.8	1225.0	1225.3	1225.5	1225.7	1225.3	1224.5	1223.5	1222.7	1221.7
152.5°	1244.9	1244.5	1244.9	1245.3	1245.8	1246.2	1246.0	1245.2	1244.5	1243.8	1243.1
155°	1271.9	1271.1	1271.7	1272.4	1273.1	1273.7	1274.0	1273.7	1273.5	1273.3	1273.1
157.5°	1295.5	1294.3	1295.1	1295.8	1296.6	1297.4	1297.8	1297.9	1298.1	1298.2	1298.4
160°	1310.4	1309.1	1309.2	1309.5	1309.7	1310.0	1310.4	1311.1	1311.8	1312.5	1313.1
162.5°	1322.7	1321.4	1321.6	1321.8	1322.1	1322.3	1322.9	1323.7	1324.6	1325.4	1326.3
165°	1339.7	1337.8	1337.8	1337.8	1337.8	1337.8	1338.4	1339.5	1340.7	1341.8	1343.0
167.5°	1352.2	1350.1	1350.3	1350.4	1350.6	1350.7	1351.4	1352.6	1353.8	1354.9	1356.1
170°	1360.2	1358.4	1358.1	1357.9	1357.6	1357.5	1358.0	1359.4	1360.7	1362.2	1363.5
172.5°	1365.1	1363.3	1363.0	1362.9	1362.6	1362.4	1362.9	1364.3	1365.7	1367.1	1368.4
175°	1370.7	1368.7	1368.4	1368.2	1367.9	1367.7	1368.3	1369.7	1371.0	1372.4	1373.8
177.5°	1373.6	1372.1	1371.7	1371.4	1371.0	1370.6	1371.1	1372.4	1373.6	1375.0	1376.3
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	468.2	469.5	471.0	473.9	476.3	477.4	479.4	480.9	480.5	482.6	486.2
5°	470.0	475.1	480.9	486.9	493.6	499.2	503.7	508.3	511.8	516.1	522.5
7.5°	469.7	478.7	488.5	499.2	510.3	519.9	528.7	537.7	545.7	554.4	565.9
10°	468.5	480.5	492.7	506.8	520.9	534.2	546.1	557.4	568.1	579.5	594.0
12.5°	467.1	480.9	495.7	512.6	530.1	546.1	560.2	576.5	589.9	604.6	621.2
15°	461.2	479.7	499.9	521.7	542.8	564.4	583.6	603.5	622.1	639.7	660.7
17.5°	454.4	475.8	499.5	525.4	550.6	576.8	599.8	624.8	643.7	667.4	686.9
20°	448.9	471.9	497.2	526.2	554.9	584.0	609.3	634.9	656.2	680.0	704.7
22.5°	442.1	467.4	494.8	524.9	554.9	586.7	614.7	640.1	666.5	693.3	718.8
25°	431.2	457.5	486.6	519.5	554.1	586.5	616.5	647.9	676.4	705.5	728.4
27.5°	417.9	445.4	476.0	510.1	545.5	578.7	614.0	647.6	676.3	704.3	724.2
30°	407.2	436.3	465.7	500.2	536.9	572.6	610.5	644.0	674.2	699.3	710.6
32.5°	396.2	423.8	454.2	489.1	526.7	565.1	602.6	637.0	664.9	679.9	680.2
35°	377.2	403.1	434.6	468.9	507.6	549.1	587.2	620.9	638.0	639.3	620.9
37.5°	356.5	380.2	409.9	444.3	486.6	528.0	566.8	589.3	595.0	575.9	542.0
40°	341.6	363.5	392.2	427.5	469.4	512.2	547.6	564.1	558.2	527.2	489.3
42.5°	326.0	346.4	374.1	408.8	451.0	494.2	524.4	533.2	517.4	481.6	437.3
45°	300.6	319.2	346.7	381.8	422.2	462.7	485.6	481.1	454.6	412.3	362.6
47.5°	274.0	292.2	316.8	349.2	390.7	425.6	441.1	427.5	389.9	343.3	302.9
50°	256.5	275.0	297.7	328.7	366.5	400.3	410.2	389.6	347.8	303.0	265.9
52.5°	239.2	255.1	277.3	307.2	343.4	371.9	377.2	353.5	310.3	270.1	237.2
55°	213.0	227.4	246.1	274.3	305.6	329.8	326.9	296.4	257.2	222.9	197.0
57.5°	187.6	198.4	215.8	242.2	269.7	285.9	275.6	249.5	213.0	184.9	163.1
60°	170.8	180.9	197.0	220.1	244.3	253.5	244.9	216.6	187.7	162.0	143.6
62.5°	154.9	163.8	177.7	199.1	218.6	224.1	214.8	190.1	164.1	142.2	127.0
65°	131.8	140.1	151.9	167.1	180.5	183.2	177.2	151.9	132.2	113.8	103.3
67.5°	110.8	116.2	125.5	138.6	145.8	147.3	135.7	119.8	102.4	91.2	83.3
70°	96.7	100.5	109.1	116.2	122.1	122.2	111.5	98.8	85.5	76.3	70.5
72.5°	83.1	86.7	93.2	98.1	102.6	101.1	91.3	81.3	70.5	63.5	59.3
75°	64.1	67.3	70.7	73.0	73.0	71.1	63.9	56.4	50.2	46.1	44.8
77.5°	46.6	49.2	50.4	50.0	49.4	46.4	41.9	37.0	34.8	32.9	31.8
80°	36.6	37.7	38.0	37.2	36.0	32.6	29.6	27.6	25.5	24.7	24.4
82.5°	27.1	28.1	27.1	27.4	24.9	22.1	20.4	19.7	18.9	18.6	18.2
85°	14.4	14.3	13.9	12.9	11.2	10.9	10.7	10.5	10.1	10.3	9.9
87.5°	6.1	6.1	6.0	6.3	6.8	6.9	7.4	7.8	8.2	8.2	8.8
90°	5.6	8.1	10.6	13.2	15.3	17.1	18.9	20.8	22.6	24.0	25.3
92.5°	13.1	13.2	13.4	13.5	14.5	16.3	18.1	20.0	21.8	23.1	24.6
95°	48.7	41.0	33.2	25.4	21.7	21.9	22.2	22.3	22.6	24.0	25.3
97.5°	124.8	129.7	134.5	139.3	129.0	103.5	78.1	52.6	27.1	27.3	27.4
100°	172.6	176.7	180.9	185.0	171.3	139.7	108.2	76.7	45.2	41.4	37.5
102.5°	225.8	228.8	231.8	234.8	234.2	230.1	226.1	222.0	217.9	175.9	134.1
105°	310.6	312.0	313.4	314.7	316.0	317.2	318.3	319.4	320.6	322.7	324.7
107.5°	390.3	391.0	391.7	392.4	393.5	395.1	396.6	398.2	399.7	400.7	401.7
110°	444.6	445.3	445.9	446.6	447.7	449.0	450.4	451.8	453.1	453.6	454.1





TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	497.7	499.0	500.2	501.5	502.3	503.0	503.7	504.3	504.9	504.9	504.7
115°	578.1	578.8	579.5	580.2	580.4	580.2	580.0	579.7	579.5	580.0	580.4
117.5°	651.3	652.2	653.2	654.0	654.7	655.3	655.8	656.2	656.8	656.7	656.6
120°	700.6	701.6	702.5	703.4	703.7	703.5	703.3	703.1	702.8	703.3	703.7
122.5°	746.3	746.9	747.4	748.0	748.4	748.7	749.0	749.3	749.6	750.0	750.2
125°	812.6	813.6	814.4	815.4	815.6	815.2	814.7	814.2	813.8	814.4	815.2
127.5°	874.4	874.6	874.9	875.1	875.8	876.8	877.8	878.9	880.0	879.8	879.7
130°	914.7	915.0	915.1	915.4	915.8	916.6	917.2	917.9	918.6	918.9	919.0
132.5°	951.9	952.3	952.7	953.1	953.8	954.7	955.5	956.3	957.2	957.4	957.7
135°	1006.7	1006.5	1006.3	1006.1	1006.4	1007.3	1008.2	1009.2	1010.0	1010.5	1011.0
137.5°	1056.1	1056.2	1056.4	1056.5	1057.0	1058.0	1059.0	1060.0	1061.0	1061.5	1062.0
140°	1088.6	1089.0	1089.5	1090.0	1090.4	1090.8	1091.3	1091.8	1092.3	1092.9	1093.6
142.5°	1117.7	1118.6	1119.4	1120.2	1120.7	1121.0	1121.3	1121.6	1121.8	1122.4	1122.8
145°	1161.7	1162.4	1163.2	1163.8	1164.2	1164.2	1164.2	1164.2	1164.2	1164.4	1164.6
147.5°	1197.5	1198.8	1200.1	1201.3	1201.9	1201.7	1201.4	1201.2	1200.9	1201.1	1201.3
150°	1222.7	1223.5	1224.5	1225.3	1225.7	1225.5	1225.3	1225.0	1224.8	1224.8	1224.8
152.5°	1243.8	1244.5	1245.2	1246.0	1246.2	1245.8	1245.3	1244.9	1244.5	1244.9	1245.2
155°	1273.3	1273.5	1273.7	1274.0	1273.7	1273.1	1272.4	1271.7	1271.1	1271.9	1272.9
157.5°	1298.2	1298.1	1297.9	1297.8	1297.4	1296.6	1295.8	1295.1	1294.3	1295.5	1296.6
160°	1312.5	1311.8	1311.1	1310.4	1310.0	1309.7	1309.5	1309.2	1309.1	1310.4	1311.8
162.5°	1325.4	1324.6	1323.7	1322.9	1322.3	1322.1	1321.8	1321.6	1321.4	1322.7	1324.1
165°	1341.8	1340.7	1339.5	1338.4	1337.8	1337.8	1337.8	1337.8	1337.8	1339.7	1341.5
167.5°	1354.9	1353.8	1352.6	1351.4	1350.7	1350.6	1350.4	1350.3	1350.1	1352.2	1354.2
170°	1362.2	1360.7	1359.4	1358.0	1357.5	1357.6	1357.9	1358.1	1358.4	1360.2	1362.0
172.5°	1367.1	1365.7	1364.3	1362.9	1362.4	1362.6	1362.9	1363.0	1363.3	1365.1	1366.9
175°	1372.4	1371.0	1369.7	1368.3	1367.7	1367.9	1368.2	1368.4	1368.7	1370.7	1372.8
177.5°	1375.0	1373.6	1372.4	1371.1	1370.6	1371.0	1371.4	1371.7	1372.1	1373.6	1375.1
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	488.1	488.7	489.2	490.7	490.8	492.2	490.8
5°	528.5	531.2	535.3	539.4	539.8	542.4	537.7
7.5°	573.8	579.9	583.7	590.3	592.9	594.6	591.9
10°	605.0	610.6	620.6	625.4	630.3	631.1	628.8
12.5°	635.2	644.0	651.9	661.2	660.9	667.5	665.1
15°	675.3	684.5	695.4	705.7	709.4	709.4	712.4
17.5°	703.9	720.8	732.1	740.1	749.0	750.5	749.5
20°	723.3	741.5	753.5	764.0	770.0	771.7	771.7
22.5°	737.7	753.2	764.9	774.4	779.3	781.3	780.7
25°	747.7	761.0	768.1	771.0	772.2	771.9	768.3
27.5°	734.0	733.4	729.0	720.3	713.8	709.9	705.4
30°	708.0	698.2	686.9	674.5	658.6	646.4	642.7
32.5°	669.1	647.2	628.1	607.5	590.4	578.2	573.1
35°	594.0	559.3	530.9	506.2	488.2	477.0	473.2
37.5°	504.8	471.2	436.2	412.2	397.2	385.9	381.7
40°	448.1	411.5	381.0	358.5	343.1	332.0	331.8
42.5°	396.3	361.4	332.6	316.5	299.9	292.6	292.6
45°	324.6	296.6	272.2	259.4	249.5	243.5	241.9
47.5°	268.7	245.6	229.3	219.2	211.1	207.3	204.8
50°	237.3	217.1	204.1	195.4	190.8	186.0	185.6
52.5°	211.3	194.9	184.8	177.7	172.0	169.1	169.1
55°	177.5	164.6	157.5	152.0	147.6	145.3	144.3
57.5°	149.6	139.9	134.7	129.7	127.8	126.0	125.6
60°	132.2	125.6	120.7	116.8	114.0	113.4	113.2
62.5°	117.8	110.9	107.6	104.5	102.4	101.6	101.2
65°	97.1	92.1	89.0	86.6	85.9	84.5	84.4
67.5°	78.3	75.3	73.3	71.6	70.6	70.5	70.5
70°	66.8	65.0	63.4	62.4	61.9	61.5	61.5
72.5°	56.9	55.6	54.2	53.7	53.6	53.2	53.1
75°	43.3	42.0	42.2	41.3	40.5	39.5	39.0
77.5°	30.7	29.8	29.5	29.5	28.8	28.8	29.0
80°	23.8	22.9	22.7	22.9	22.7	22.1	22.1
82.5°	18.1	17.3	17.1	17.0	16.9	17.0	16.7
85°	9.7	9.3	9.3	9.3	9.7	9.6	9.3
87.5°	8.8	9.0	9.3	9.2	9.3	9.2	9.4
90°	26.7	28.1	29.0	29.5	29.9	30.3	30.8
92.5°	25.9	27.3	28.0	28.1	28.2	28.3	28.4
95°	26.7	28.1	28.9	29.1	29.3	29.5	29.8
97.5°	27.6	27.6	27.9	28.1	28.3	28.5	28.8
100°	33.6	29.7	27.9	28.1	28.3	28.5	28.8
102.5°	92.2	50.3	29.4	29.5	29.5	29.5	29.6
105°	326.8	328.8	325.7	317.5	309.3	301.0	292.9
107.5°	402.7	403.7	404.6	405.5	406.4	407.3	408.1
110°	454.5	455.0	455.5	456.2	456.9	457.6	458.3



TEST NUMBER: P333027-927

CATALOG NUMBER: S124RDIW-S350D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	504.6	504.5	504.9	505.8	506.7	507.6	508.4
115°	580.9	581.3	581.5	581.5	581.5	581.5	581.5
117.5°	656.5	656.4	656.3	656.2	656.2	656.1	655.9
120°	704.2	704.6	704.6	704.2	703.7	703.3	702.8
122.5°	750.5	750.8	750.7	750.2	749.7	749.3	748.8
125°	815.9	816.5	817.0	817.2	817.5	817.7	817.9
127.5°	879.6	879.4	879.2	879.1	878.8	878.7	878.5
130°	919.2	919.5	919.6	919.6	919.6	919.6	919.6
132.5°	957.9	958.1	958.1	958.0	957.8	957.6	957.4
135°	1011.4	1011.9	1012.3	1012.8	1013.2	1013.7	1014.2
137.5°	1062.5	1063.0	1063.2	1063.0	1063.0	1062.8	1062.6
140°	1094.3	1095.0	1095.4	1095.7	1095.9	1096.1	1096.4
142.5°	1123.3	1123.9	1124.1	1124.2	1124.2	1124.3	1124.3
145°	1164.8	1165.1	1165.5	1165.9	1166.3	1166.8	1167.3
147.5°	1201.5	1201.7	1201.9	1202.1	1202.4	1202.5	1202.8
150°	1224.8	1224.8	1224.9	1225.1	1225.3	1225.6	1225.8
152.5°	1245.6	1245.9	1246.1	1245.9	1245.8	1245.7	1245.5
155°	1273.7	1274.7	1274.8	1274.1	1273.4	1272.7	1272.1
157.5°	1297.8	1299.0	1299.0	1297.8	1296.6	1295.5	1294.3
160°	1313.1	1314.5	1314.5	1313.1	1311.8	1310.4	1309.1
162.5°	1325.5	1326.8	1326.7	1325.2	1323.7	1322.1	1320.6
165°	1343.3	1345.1	1345.0	1343.0	1340.9	1338.9	1336.8
167.5°	1356.1	1358.2	1358.0	1355.7	1353.4	1351.2	1348.9
170°	1363.8	1365.6	1365.4	1363.2	1360.9	1358.6	1356.3
172.5°	1368.8	1370.6	1370.3	1367.8	1365.3	1362.9	1360.4
175°	1374.8	1376.9	1376.5	1373.8	1371.0	1368.3	1365.6
177.5°	1376.5	1378.0	1377.6	1375.4	1373.2	1371.0	1368.8
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

(END OF REPORT)