

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: P333047-927

Luminaire Tested: **S124RDIW-S575D1340U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333047-927
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-S575D1340U927-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 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: 6187.2 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

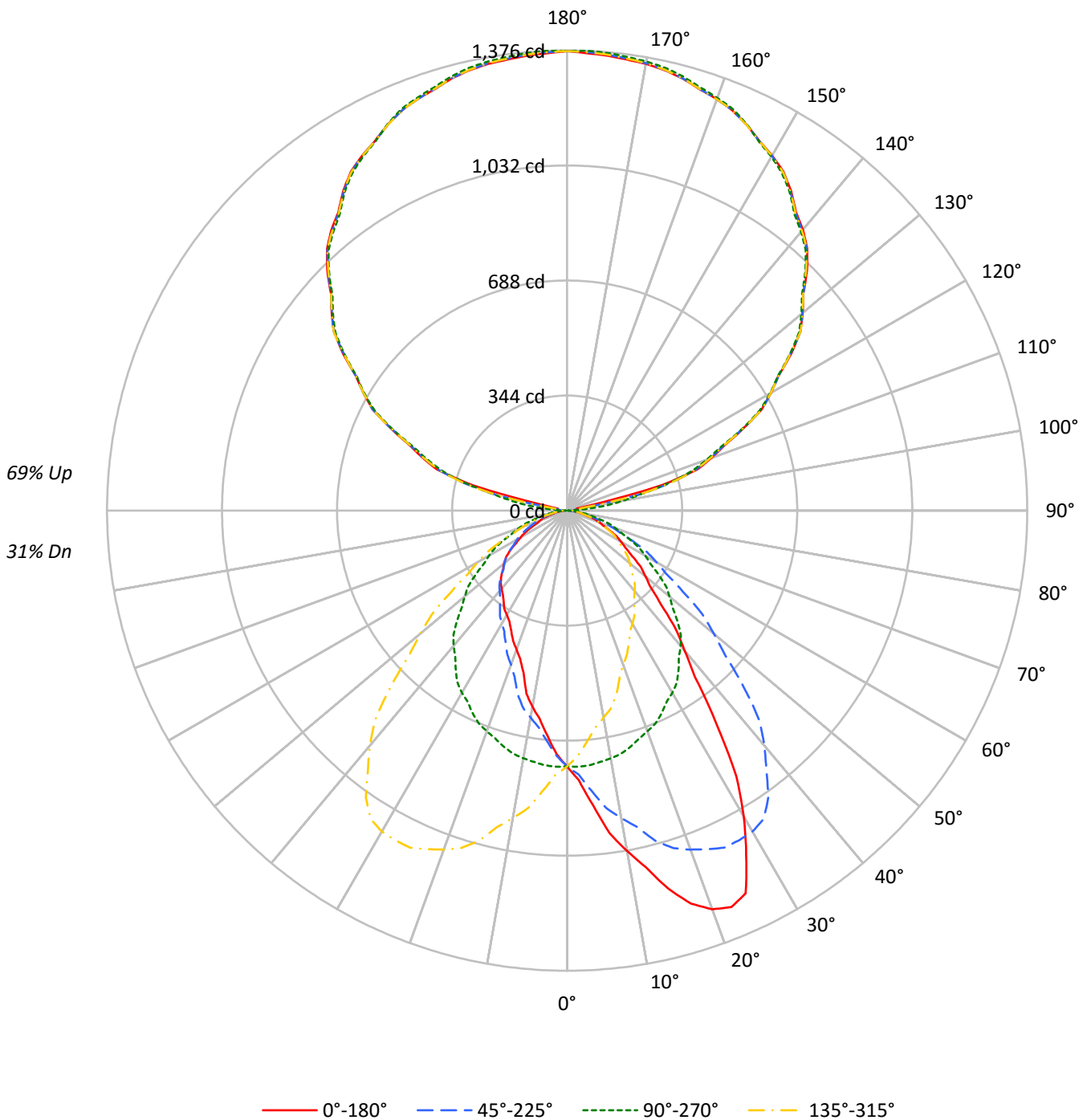
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	33	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	57	70	63	57	52	50	46	43	38	36	33	28	26	25	20
4	72	61	54	48	64	56	49	44	45	40	36	34	31	29	25	23	21	17
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	22	20	19	15
6	61	49	41	36	54	45	38	33	36	31	27	28	25	22	20	18	17	13
7	56	44	37	31	50	40	34	29	33	28	24	25	22	19	19	16	15	12
8	52	40	33	28	47	36	30	25	30	25	21	23	20	17	17	15	13	11
9	48	36	29	24	43	33	27	23	27	22	19	21	18	15	16	14	12	10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6176	6176	6176	6176
5°	7164	6195	5476	6195
10°	8475	6167	4887	6167
15°	9789	6110	4199	6110
20°	10899	6032	3797	6032
25°	11251	5955	3526	5955
30°	9849	5862	3361	5862
35°	7666	5723	3263	5723
40°	5750	5564	3209	5564
45°	4539	5310	3181	5310
50°	3832	5016	3090	5016
55°	3340	4694	2923	4694
60°	3006	4359	2588	4359
65°	2649	3998	2225	3998
70°	2386	3623	2009	3623
75°	1999	3213	1712	3213
80°	1692	2738	1604	2738
85°	1426	2140	1426	2140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.2
10°-20°	223.6	3.6
20°-30°	349.7	5.7
30°-40°	388.8	6.3
40°-50°	344.9	5.6
50°-60°	268.8	4.3
60°-70°	176.0	2.8
70°-80°	86.5	1.4
80°-90°	25.3	0.4
90°-100°	47.0	0.8
100°-110°	299.6	4.8
110°-120°	573.1	9.3
120°-130°	727.5	11.8
130°-140°	778.4	12.6
140°-150°	727.9	11.8
150°-160°	587.0	9.5
160°-170°	378.6	6.1
170°-180°	130.5	2.1
0°-30°	647.4	10.5
0°-40°	1036.2	16.7
0°-60°	1649.9	26.7
0°-90°	1937.7	31.3
90°-120°	919.7	14.9
90°-150°	3153.4	51.0
90°-180°	4250.0	68.7
0°-180°	6187.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	765	765	765	765	765	
5°	884	764	676	764	884	89
15°	1171	731	502	731	1171	333
25°	1263	668	396	668	1263	560
35°	778	581	331	581	778	488
45°	398	465	279	465	398	315
55°	237	334	208	334	237	216
65°	139	209	116	209	139	140
75°	64	103	55	103	64	71
85°	15	23	15	23	15	18
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	806.9	809.1	806.9	806.7	804.2	803.5	802.5	799.3	793.4	789.9	790.7
5°	884.0	891.7	887.4	886.8	880.0	873.2	868.9	859.0	848.5	841.5	835.6
7.5°	973.1	977.6	974.9	970.5	959.6	953.3	943.3	930.3	911.6	897.1	884.1
10°	1033.8	1037.4	1036.3	1028.3	1020.3	1003.9	994.7	976.4	952.7	933.9	916.3
12.5°	1093.4	1097.4	1086.6	1087.0	1071.7	1058.8	1044.2	1021.4	993.9	969.6	947.7
15°	1171.2	1166.3	1166.3	1160.2	1143.2	1125.3	1110.2	1086.2	1051.6	1022.7	992.2
17.5°	1232.2	1233.9	1231.4	1216.8	1203.5	1185.0	1157.3	1129.3	1097.2	1058.3	1027.1
20°	1268.7	1268.7	1265.9	1256.0	1238.7	1219.0	1189.1	1158.6	1117.9	1078.8	1043.6
22.5°	1283.4	1284.4	1281.2	1273.0	1257.5	1238.3	1212.8	1181.8	1139.9	1095.8	1052.3
25°	1263.1	1268.9	1269.6	1267.4	1262.8	1251.1	1229.2	1197.5	1159.8	1112.1	1065.2
27.5°	1159.7	1167.0	1173.5	1184.2	1198.3	1205.8	1206.7	1190.6	1157.8	1111.8	1064.7
30°	1056.6	1062.7	1082.8	1109.0	1129.3	1147.8	1163.9	1168.2	1149.7	1108.3	1058.8
32.5°	942.1	950.5	970.6	998.8	1032.7	1064.0	1100.0	1118.3	1117.8	1093.1	1047.2
35°	777.9	784.1	802.6	832.2	872.9	919.4	976.4	1020.8	1051.1	1048.8	1020.8
37.5°	627.4	634.4	653.1	677.6	717.1	774.7	829.9	891.0	946.9	978.3	968.8
40°	545.6	545.9	564.0	589.3	626.3	676.5	736.7	804.5	866.7	917.6	927.4
42.5°	480.9	481.0	493.1	520.3	546.9	594.2	651.6	718.9	791.8	850.5	876.6
45°	397.6	400.4	410.3	426.6	447.5	487.6	533.5	596.1	677.8	747.4	790.9
47.5°	336.7	340.8	347.1	360.4	377.1	403.8	441.7	498.0	564.4	641.0	702.9
50°	305.1	305.8	313.8	321.2	335.6	357.0	390.2	437.0	498.1	571.7	640.5
52.5°	278.1	277.9	282.7	292.1	303.9	320.4	347.3	390.0	444.1	510.1	581.1
55°	237.3	238.8	242.6	249.9	258.9	270.6	291.9	323.9	366.5	422.9	487.3
57.5°	206.4	207.2	210.1	213.3	221.4	230.0	245.9	268.2	304.0	350.2	410.3
60°	186.2	186.5	187.4	192.0	198.5	206.5	217.3	236.1	266.3	308.6	356.0
62.5°	166.4	167.0	168.4	171.8	176.8	182.4	193.6	208.7	233.8	269.8	312.6
65°	138.7	139.0	141.2	142.4	146.4	151.3	159.6	169.8	187.1	217.3	249.7
67.5°	115.9	115.9	116.0	117.7	120.5	123.7	128.7	136.9	149.9	168.4	196.9
70°	101.1	101.1	101.7	102.7	104.2	106.9	109.7	115.9	125.5	140.5	162.4
72.5°	87.3	87.5	88.2	88.3	89.1	91.4	93.5	97.4	104.5	115.9	133.6
75°	64.1	65.0	66.5	67.8	69.3	69.1	71.2	73.7	75.8	82.6	92.8
77.5°	47.7	47.2	47.4	48.5	48.6	49.0	50.5	52.4	54.0	57.2	60.8
80°	36.4	36.4	37.3	37.6	37.3	37.6	39.1	40.1	40.7	41.9	45.3
82.5°	27.5	28.0	27.6	28.0	28.2	28.5	29.8	29.9	30.6	31.1	32.5
85°	15.4	15.7	16.0	15.4	15.4	15.4	16.0	16.3	17.0	16.6	17.3
87.5°	11.6	11.2	11.4	11.3	11.5	11.0	11.0	11.2	10.5	10.5	10.1
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



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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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	788.2	784.7	783.0	779.0	774.4	771.9	769.7	766.5	762.3	757.9	754.6
5°	828.2	820.8	811.5	800.4	790.6	781.0	772.7	764.4	754.9	745.0	735.1
7.5°	869.3	854.7	839.0	820.8	803.1	787.0	772.2	758.0	742.0	727.6	714.5
10°	897.9	878.1	856.3	833.1	810.0	790.0	770.2	752.3	732.6	715.1	700.3
12.5°	921.1	897.9	871.6	842.7	814.9	790.7	768.0	744.7	722.3	703.2	683.5
15°	959.5	927.7	892.3	857.8	821.7	788.8	758.2	731.1	705.5	678.7	659.9
17.5°	986.0	948.2	905.2	863.7	821.1	782.2	747.0	714.7	685.2	657.8	635.4
20°	1001.7	960.1	912.4	865.1	817.4	775.8	737.9	702.1	671.6	642.1	618.9
22.5°	1010.6	964.6	912.4	862.9	813.5	768.4	726.8	689.6	656.3	626.8	601.2
25°	1013.4	964.1	910.8	854.1	799.9	752.1	708.9	668.5	631.5	602.0	574.8
27.5°	1009.5	951.4	896.8	838.6	782.7	732.3	687.0	644.5	607.5	575.8	548.0
30°	1003.5	941.4	882.7	822.4	765.6	717.2	669.5	628.8	590.3	557.3	529.3
32.5°	990.8	929.0	866.0	804.1	746.6	696.8	651.5	610.5	572.7	539.0	509.2
35°	965.4	902.8	834.3	770.9	714.5	662.7	620.1	580.7	544.6	508.6	477.1
37.5°	931.8	868.0	799.9	730.4	673.9	625.0	586.0	549.0	513.7	480.9	446.0
40°	900.3	842.1	771.8	702.7	644.8	597.6	561.6	528.0	492.6	459.9	425.0
42.5°	862.1	812.5	741.5	672.2	615.0	569.5	535.9	503.1	470.9	439.2	402.8
45°	798.3	760.7	694.1	627.6	569.9	524.9	494.1	465.1	436.7	406.5	372.3
47.5°	725.2	699.7	642.3	574.1	520.8	480.3	450.5	426.8	402.8	372.6	342.6
50°	674.4	658.1	602.6	540.3	489.5	452.2	421.7	399.4	379.5	350.5	323.6
52.5°	620.1	611.5	564.6	505.0	455.9	419.4	393.3	373.4	353.1	329.0	303.9
55°	537.6	542.2	502.4	450.9	404.7	373.9	350.1	333.5	316.2	295.9	276.5
57.5°	453.0	470.0	443.3	398.1	354.7	326.3	308.4	294.4	280.0	263.0	246.4
60°	402.5	416.7	401.6	361.9	323.9	297.5	280.8	270.0	255.5	240.1	227.4
62.5°	353.2	368.4	359.4	327.3	292.2	269.3	254.7	244.6	233.9	220.4	207.2
65°	291.3	301.1	296.8	274.6	249.7	230.2	216.7	209.3	199.4	189.6	177.8
67.5°	223.1	242.2	239.6	227.8	206.3	191.1	182.2	175.7	166.7	159.4	151.4
70°	183.4	201.0	200.7	191.1	179.4	165.2	159.1	153.5	145.4	138.4	131.9
72.5°	150.1	166.2	168.6	161.3	153.3	142.5	136.6	132.8	125.0	120.2	114.9
75°	105.1	116.8	119.9	119.9	116.2	110.7	105.4	103.0	97.4	93.1	90.0
77.5°	68.9	76.3	81.1	82.2	82.8	81.0	76.6	74.9	70.7	69.1	66.1
80°	48.7	53.6	59.2	61.0	62.6	61.9	60.1	58.9	54.9	53.3	52.1
82.5°	33.7	36.4	41.0	45.0	44.6	46.2	44.6	43.6	40.6	40.0	38.7
85°	17.6	17.9	18.5	21.2	22.8	23.4	23.8	23.1	22.2	22.2	20.0
87.5°	9.7	9.1	9.2	8.8	8.6	9.0	9.3	9.0	8.8	8.6	8.3
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: P333047-927

CATALOG NUMBER: S124RDIW-S575D1340U927-4F0-1E-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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	751.2	748.8	745.5	741.8	737.4	733.5	731.7	733.2	734.0	732.0	731.7
5°	728.3	720.6	714.5	705.2	697.8	691.7	687.3	685.5	686.1	681.2	679.9
7.5°	702.6	693.5	683.4	672.4	662.2	653.2	648.4	645.8	640.6	638.3	634.5
10°	686.1	673.8	663.9	650.9	639.3	628.4	623.2	618.9	613.7	611.2	605.9
12.5°	669.1	654.8	644.0	630.5	618.5	605.5	600.6	592.6	584.3	579.2	572.4
15°	645.1	627.9	614.6	598.6	584.4	569.6	556.3	541.5	536.0	524.3	517.5
17.5°	617.0	599.5	583.1	561.7	539.8	521.4	507.2	493.1	484.6	477.1	473.6
20°	598.6	582.6	559.8	534.8	510.4	490.0	478.6	469.4	460.2	455.0	451.2
22.5°	581.1	560.6	534.1	507.2	482.8	466.9	457.2	447.7	440.2	435.2	430.3
25°	551.8	524.9	496.9	466.0	449.4	435.5	425.0	417.3	412.7	406.2	403.8
27.5°	521.6	489.1	458.1	437.4	420.1	407.4	398.3	392.5	386.7	382.5	379.3
30°	498.4	465.4	437.7	418.0	400.4	389.9	382.5	375.7	371.1	367.7	365.3
32.5°	475.5	442.5	419.1	398.0	384.1	373.9	366.0	360.9	357.3	352.9	351.4
35°	442.3	413.0	392.7	373.6	359.4	350.1	344.0	338.7	335.6	334.5	333.5
37.5°	410.4	386.4	364.6	348.9	336.3	329.0	321.7	319.2	317.0	314.8	315.8
40°	390.2	367.7	348.3	331.7	321.5	313.5	309.1	306.1	304.2	304.2	304.2
42.5°	372.7	350.7	331.8	316.9	306.7	299.9	295.1	292.5	291.9	291.6	293.1
45°	345.5	325.2	306.1	293.7	285.1	278.3	275.5	273.4	273.4	274.6	275.0
47.5°	318.6	299.5	284.2	270.4	262.4	258.3	255.8	254.7	254.8	256.0	257.5
50°	302.1	283.3	268.2	255.8	248.4	244.4	242.2	241.6	242.2	242.2	244.4
52.5°	284.1	267.2	252.4	242.0	233.6	229.9	228.7	227.8	228.2	229.2	230.1
55°	257.7	242.6	228.4	218.6	212.4	209.9	207.2	207.5	206.8	207.5	207.5
57.5°	231.2	217.7	204.5	196.6	191.2	187.7	184.7	185.4	184.6	184.4	183.9
60°	214.2	199.4	188.9	181.9	175.7	172.6	169.8	170.5	169.5	168.9	167.7
62.5°	195.7	183.4	173.4	166.6	161.6	158.0	155.3	154.6	152.5	150.4	147.7
65°	168.9	158.8	149.8	143.3	138.7	135.9	133.8	131.9	127.3	122.4	119.9
67.5°	142.8	135.5	127.1	121.7	118.0	114.3	110.2	107.0	102.7	100.0	98.5
70°	126.0	119.0	111.9	106.6	102.7	99.3	94.6	92.4	89.4	88.2	86.6
72.5°	110.0	103.5	96.8	92.1	87.9	85.2	81.6	79.4	78.0	77.6	76.0
75°	85.7	80.5	75.5	71.2	67.8	66.0	64.4	62.9	62.3	59.5	57.9
77.5°	62.5	59.0	56.0	52.9	50.5	49.3	46.3	44.5	43.5	42.1	41.8
80°	48.7	46.3	43.2	41.3	37.9	36.7	35.4	35.2	34.9	34.5	34.2
82.5°	36.6	34.1	31.1	29.9	29.1	28.3	27.6	27.3	26.9	27.1	27.1
85°	18.5	17.3	17.3	17.0	16.6	16.3	16.0	16.0	15.7	16.0	15.7
87.5°	8.8	9.0	9.3	9.2	9.8	10.2	10.2	10.5	11.0	10.8	11.0
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: P333047-927

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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: P333047-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	730.2	730.7	729.0	728.5	729.0	730.7	730.2	731.7	732.0	734.0	733.2
5°	677.5	676.8	675.3	675.7	675.3	676.8	677.5	679.9	681.2	686.1	685.5
7.5°	632.3	629.9	630.7	628.1	630.7	629.9	632.3	634.5	638.3	640.6	645.8
10°	604.8	601.3	598.6	596.1	598.6	601.3	604.8	605.9	611.2	613.7	618.9
12.5°	567.0	564.1	560.3	561.1	560.3	564.1	567.0	572.4	579.2	584.3	592.6
15°	513.5	508.9	501.5	502.4	501.5	508.9	513.5	517.5	524.3	536.0	541.5
17.5°	468.2	468.3	464.9	465.6	464.9	468.3	468.2	473.6	477.1	484.6	493.1
20°	444.7	442.6	442.9	442.0	442.9	442.6	444.7	451.2	455.0	460.2	469.4
22.5°	428.5	425.9	423.7	421.8	423.7	425.9	428.5	430.3	435.2	440.2	447.7
25°	401.0	399.2	396.4	395.8	396.4	399.2	401.0	403.8	406.2	412.7	417.3
27.5°	376.8	376.4	375.3	373.9	375.3	376.4	376.8	379.3	382.5	386.7	392.5
30°	362.7	362.2	361.6	360.6	361.6	362.2	362.7	365.3	367.7	371.1	375.7
32.5°	350.2	349.8	349.2	349.3	349.2	349.8	350.2	351.4	352.9	357.3	360.9
35°	332.2	331.9	331.4	331.1	331.4	331.9	332.2	333.5	334.5	335.6	338.7
37.5°	315.5	316.3	315.9	315.8	315.9	316.3	315.5	315.8	314.8	317.0	319.2
40°	303.9	304.2	304.8	304.5	304.8	304.2	303.9	304.2	304.2	304.2	306.1
42.5°	294.3	294.4	295.2	294.1	295.2	294.4	294.3	293.1	291.6	291.9	292.5
45°	277.1	278.9	278.6	278.6	278.6	278.9	277.1	275.0	274.6	273.4	273.4
47.5°	258.3	259.9	260.3	260.2	260.3	259.9	258.3	257.5	256.0	254.8	254.7
50°	246.0	245.3	246.3	246.0	246.3	245.3	246.0	244.4	242.2	242.2	241.6
52.5°	230.9	231.1	231.0	230.7	231.0	231.1	230.9	230.1	229.2	228.2	227.8
55°	207.7	208.0	207.5	207.7	207.5	208.0	207.7	207.5	207.5	206.8	207.5
57.5°	182.6	181.1	181.7	181.0	181.7	181.1	182.6	183.9	184.4	184.6	185.4
60°	164.6	162.2	161.5	160.3	161.5	162.2	164.6	167.7	168.9	169.5	170.5
62.5°	144.3	142.7	140.5	141.6	140.5	142.7	144.3	147.7	150.4	152.5	154.6
65°	117.4	116.2	115.3	116.5	115.3	116.2	117.4	119.9	122.4	127.3	131.9
67.5°	97.2	96.6	96.6	95.9	96.6	96.6	97.2	98.5	100.0	102.7	107.0
70°	86.6	85.7	85.7	85.1	85.7	85.7	86.6	86.6	88.2	89.4	92.4
72.5°	75.7	74.9	75.1	74.7	75.1	74.9	75.7	76.0	77.6	78.0	79.4
75°	56.1	54.6	54.6	54.9	54.6	54.6	56.1	57.9	59.5	62.3	62.9
77.5°	41.8	41.5	42.0	41.4	42.0	41.5	41.8	41.8	42.1	43.5	44.5
80°	34.2	33.9	33.6	34.5	33.6	33.9	34.2	34.2	34.5	34.9	35.2
82.5°	26.5	26.5	26.5	27.6	26.5	26.5	26.5	27.1	27.1	26.9	27.3
85°	16.0	15.4	16.0	15.4	16.0	15.4	16.0	15.7	16.0	15.7	16.0
87.5°	11.6	11.4	11.2	11.6	11.2	11.4	11.6	11.0	10.8	11.0	10.5
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: P333047-927

CATALOG NUMBER: S124RDIW-S575D1340U927-4F0-1E-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: P333047-927

CATALOG NUMBER: S124RDIW-S575D1340U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	731.7	733.5	737.4	741.8	745.5	748.8	751.2	754.6	757.9	762.3	766.5
5°	687.3	691.7	697.8	705.2	714.5	720.6	728.3	735.1	745.0	754.9	764.4
7.5°	648.4	653.2	662.2	672.4	683.4	693.5	702.6	714.5	727.6	742.0	758.0
10°	623.2	628.4	639.3	650.9	663.9	673.8	686.1	700.3	715.1	732.6	752.3
12.5°	600.6	605.5	618.5	630.5	644.0	654.8	669.1	683.5	703.2	722.3	744.7
15°	556.3	569.6	584.4	598.6	614.6	627.9	645.1	659.9	678.7	705.5	731.1
17.5°	507.2	521.4	539.8	561.7	583.1	599.5	617.0	635.4	657.8	685.2	714.7
20°	478.6	490.0	510.4	534.8	559.8	582.6	598.6	618.9	642.1	671.6	702.1
22.5°	457.2	466.9	482.8	507.2	534.1	560.6	581.1	601.2	626.8	656.3	689.6
25°	425.0	435.5	449.4	466.0	496.9	524.9	551.8	574.8	602.0	631.5	668.5
27.5°	398.3	407.4	420.1	437.4	458.1	489.1	521.6	548.0	575.8	607.5	644.5
30°	382.5	389.9	400.4	418.0	437.7	465.4	498.4	529.3	557.3	590.3	628.8
32.5°	366.0	373.9	384.1	398.0	419.1	442.5	475.5	509.2	539.0	572.7	610.5
35°	344.0	350.1	359.4	373.6	392.7	413.0	442.3	477.1	508.6	544.6	580.7
37.5°	321.7	329.0	336.3	348.9	364.6	386.4	410.4	446.0	480.9	513.7	549.0
40°	309.1	313.5	321.5	331.7	348.3	367.7	390.2	425.0	459.9	492.6	528.0
42.5°	295.1	299.9	306.7	316.9	331.8	350.7	372.7	402.8	439.2	470.9	503.1
45°	275.5	278.3	285.1	293.7	306.1	325.2	345.5	372.3	406.5	436.7	465.1
47.5°	255.8	258.3	262.4	270.4	284.2	299.5	318.6	342.6	372.6	402.8	426.8
50°	242.2	244.4	248.4	255.8	268.2	283.3	302.1	323.6	350.5	379.5	399.4
52.5°	228.7	229.9	233.6	242.0	252.4	267.2	284.1	303.9	329.0	353.1	373.4
55°	207.2	209.9	212.4	218.6	228.4	242.6	257.7	276.5	295.9	316.2	333.5
57.5°	184.7	187.7	191.2	196.6	204.5	217.7	231.2	246.4	263.0	280.0	294.4
60°	169.8	172.6	175.7	181.9	188.9	199.4	214.2	227.4	240.1	255.5	270.0
62.5°	155.3	158.0	161.6	166.6	173.4	183.4	195.7	207.2	220.4	233.9	244.6
65°	133.8	135.9	138.7	143.3	149.8	158.8	168.9	177.8	189.6	199.4	209.3
67.5°	110.2	114.3	118.0	121.7	127.1	135.5	142.8	151.4	159.4	166.7	175.7
70°	94.6	99.3	102.7	106.6	111.9	119.0	126.0	131.9	138.4	145.4	153.5
72.5°	81.6	85.2	87.9	92.1	96.8	103.5	110.0	114.9	120.2	125.0	132.8
75°	64.4	66.0	67.8	71.2	75.5	80.5	85.7	90.0	93.1	97.4	103.0
77.5°	46.3	49.3	50.5	52.9	56.0	59.0	62.5	66.1	69.1	70.7	74.9
80°	35.4	36.7	37.9	41.3	43.2	46.3	48.7	52.1	53.3	54.9	58.9
82.5°	27.6	28.3	29.1	29.9	31.1	34.1	36.6	38.7	40.0	40.6	43.6
85°	16.0	16.3	16.6	17.0	17.3	17.3	18.5	20.0	22.2	22.2	23.1
87.5°	10.2	10.2	9.8	9.2	9.3	9.0	8.8	8.3	8.6	8.8	9.0
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



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CATALOG NUMBER: S124RDIW-S575D1340U927-4F0-1E-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: P333047-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	769.7	771.9	774.4	779.0	783.0	784.7	788.2	790.7	789.9	793.4	799.3
5°	772.7	781.0	790.6	800.4	811.5	820.8	828.2	835.6	841.5	848.5	859.0
7.5°	772.2	787.0	803.1	820.8	839.0	854.7	869.3	884.1	897.1	911.6	930.3
10°	770.2	790.0	810.0	833.1	856.3	878.1	897.9	916.3	933.9	952.7	976.4
12.5°	768.0	790.7	814.9	842.7	871.6	897.9	921.1	947.7	969.6	993.9	1021.4
15°	758.2	788.8	821.7	857.8	892.3	927.7	959.5	992.2	1022.7	1051.6	1086.2
17.5°	747.0	782.2	821.1	863.7	905.2	948.2	986.0	1027.1	1058.3	1097.2	1129.3
20°	737.9	775.8	817.4	865.1	912.4	960.1	1001.7	1043.6	1078.8	1117.9	1158.6
22.5°	726.8	768.4	813.5	862.9	912.4	964.6	1010.6	1052.3	1095.8	1139.9	1181.8
25°	708.9	752.1	799.9	854.1	910.8	964.1	1013.4	1065.2	1112.1	1159.8	1197.5
27.5°	687.0	732.3	782.7	838.6	896.8	951.4	1009.5	1064.7	1111.8	1157.8	1190.6
30°	669.5	717.2	765.6	822.4	882.7	941.4	1003.5	1058.8	1108.3	1149.7	1168.2
32.5°	651.5	696.8	746.6	804.1	866.0	929.0	990.8	1047.2	1093.1	1117.8	1118.3
35°	620.1	662.7	714.5	770.9	834.3	902.8	965.4	1020.8	1048.8	1051.1	1020.8
37.5°	586.0	625.0	673.9	730.4	799.9	868.0	931.8	968.8	978.3	946.9	891.0
40°	561.6	597.6	644.8	702.7	771.8	842.1	900.3	927.4	917.6	866.7	804.5
42.5°	535.9	569.5	615.0	672.2	741.5	812.5	862.1	876.6	850.5	791.8	718.9
45°	494.1	524.9	569.9	627.6	694.1	760.7	798.3	790.9	747.4	677.8	596.1
47.5°	450.5	480.3	520.8	574.1	642.3	699.7	725.2	702.9	641.0	564.4	498.0
50°	421.7	452.2	489.5	540.3	602.6	658.1	674.4	640.5	571.7	498.1	437.0
52.5°	393.3	419.4	455.9	505.0	564.6	611.5	620.1	581.1	510.1	444.1	390.0
55°	350.1	373.9	404.7	450.9	502.4	542.2	537.6	487.3	422.9	366.5	323.9
57.5°	308.4	326.3	354.7	398.1	443.3	470.0	453.0	410.3	350.2	304.0	268.2
60°	280.8	297.5	323.9	361.9	401.6	416.7	402.5	356.0	308.6	266.3	236.1
62.5°	254.7	269.3	292.2	327.3	359.4	368.4	353.2	312.6	269.8	233.8	208.7
65°	216.7	230.2	249.7	274.6	296.8	301.1	291.3	249.7	217.3	187.1	169.8
67.5°	182.2	191.1	206.3	227.8	239.6	242.2	223.1	196.9	168.4	149.9	136.9
70°	159.1	165.2	179.4	191.1	200.7	201.0	183.4	162.4	140.5	125.5	115.9
72.5°	136.6	142.5	153.3	161.3	168.6	166.2	150.1	133.6	115.9	104.5	97.4
75°	105.4	110.7	116.2	119.9	119.9	116.8	105.1	92.8	82.6	75.8	73.7
77.5°	76.6	81.0	82.8	82.2	81.1	76.3	68.9	60.8	57.2	54.0	52.4
80°	60.1	61.9	62.6	61.0	59.2	53.6	48.7	45.3	41.9	40.7	40.1
82.5°	44.6	46.2	44.6	45.0	41.0	36.4	33.7	32.5	31.1	30.6	29.9
85°	23.8	23.4	22.8	21.2	18.5	17.9	17.6	17.3	16.6	17.0	16.3
87.5°	9.3	9.0	8.6	8.8	9.2	9.1	9.7	10.1	10.5	10.5	11.2
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



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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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	802.5	803.5	804.2	806.7	806.9	809.1	806.9
5°	868.9	873.2	880.0	886.8	887.4	891.7	884.0
7.5°	943.3	953.3	959.6	970.5	974.9	977.6	973.1
10°	994.7	1003.9	1020.3	1028.3	1036.3	1037.4	1033.8
12.5°	1044.2	1058.8	1071.7	1087.0	1086.6	1097.4	1093.4
15°	1110.2	1125.3	1143.2	1160.2	1166.3	1166.3	1171.2
17.5°	1157.3	1185.0	1203.5	1216.8	1231.4	1233.9	1232.2
20°	1189.1	1219.0	1238.7	1256.0	1265.9	1268.7	1268.7
22.5°	1212.8	1238.3	1257.5	1273.0	1281.2	1284.4	1283.4
25°	1229.2	1251.1	1262.8	1267.4	1269.6	1268.9	1263.1
27.5°	1206.7	1205.8	1198.3	1184.2	1173.5	1167.0	1159.7
30°	1163.9	1147.8	1129.3	1109.0	1082.8	1062.7	1056.6
32.5°	1100.0	1064.0	1032.7	998.8	970.6	950.5	942.1
35°	976.4	919.4	872.9	832.2	802.6	784.1	777.9
37.5°	829.9	774.7	717.1	677.6	653.1	634.4	627.4
40°	736.7	676.5	626.3	589.3	564.0	545.9	545.6
42.5°	651.6	594.2	546.9	520.3	493.1	481.0	480.9
45°	533.5	487.6	447.5	426.6	410.3	400.4	397.6
47.5°	441.7	403.8	377.1	360.4	347.1	340.8	336.7
50°	390.2	357.0	335.6	321.2	313.8	305.8	305.1
52.5°	347.3	320.4	303.9	292.1	282.7	277.9	278.1
55°	291.9	270.6	258.9	249.9	242.6	238.8	237.3
57.5°	245.9	230.0	221.4	213.3	210.1	207.2	206.4
60°	217.3	206.5	198.5	192.0	187.4	186.5	186.2
62.5°	193.6	182.4	176.8	171.8	168.4	167.0	166.4
65°	159.6	151.3	146.4	142.4	141.2	139.0	138.7
67.5°	128.7	123.7	120.5	117.7	116.0	115.9	115.9
70°	109.7	106.9	104.2	102.7	101.7	101.1	101.1
72.5°	93.5	91.4	89.1	88.3	88.2	87.5	87.3
75°	71.2	69.1	69.3	67.8	66.5	65.0	64.1
77.5°	50.5	49.0	48.6	48.5	47.4	47.2	47.7
80°	39.1	37.6	37.3	37.6	37.3	36.4	36.4
82.5°	29.8	28.5	28.2	28.0	27.6	28.0	27.5
85°	16.0	15.4	15.4	15.4	16.0	15.7	15.4
87.5°	11.0	11.0	11.5	11.3	11.4	11.2	11.6
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



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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)