

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: P333052-927

Luminaire Tested: **S124RDIW-S575D1560U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333052-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S575D1560U927-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6223.4 lumens  
Efficiency: N/A  
Efficacy: 102.7 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

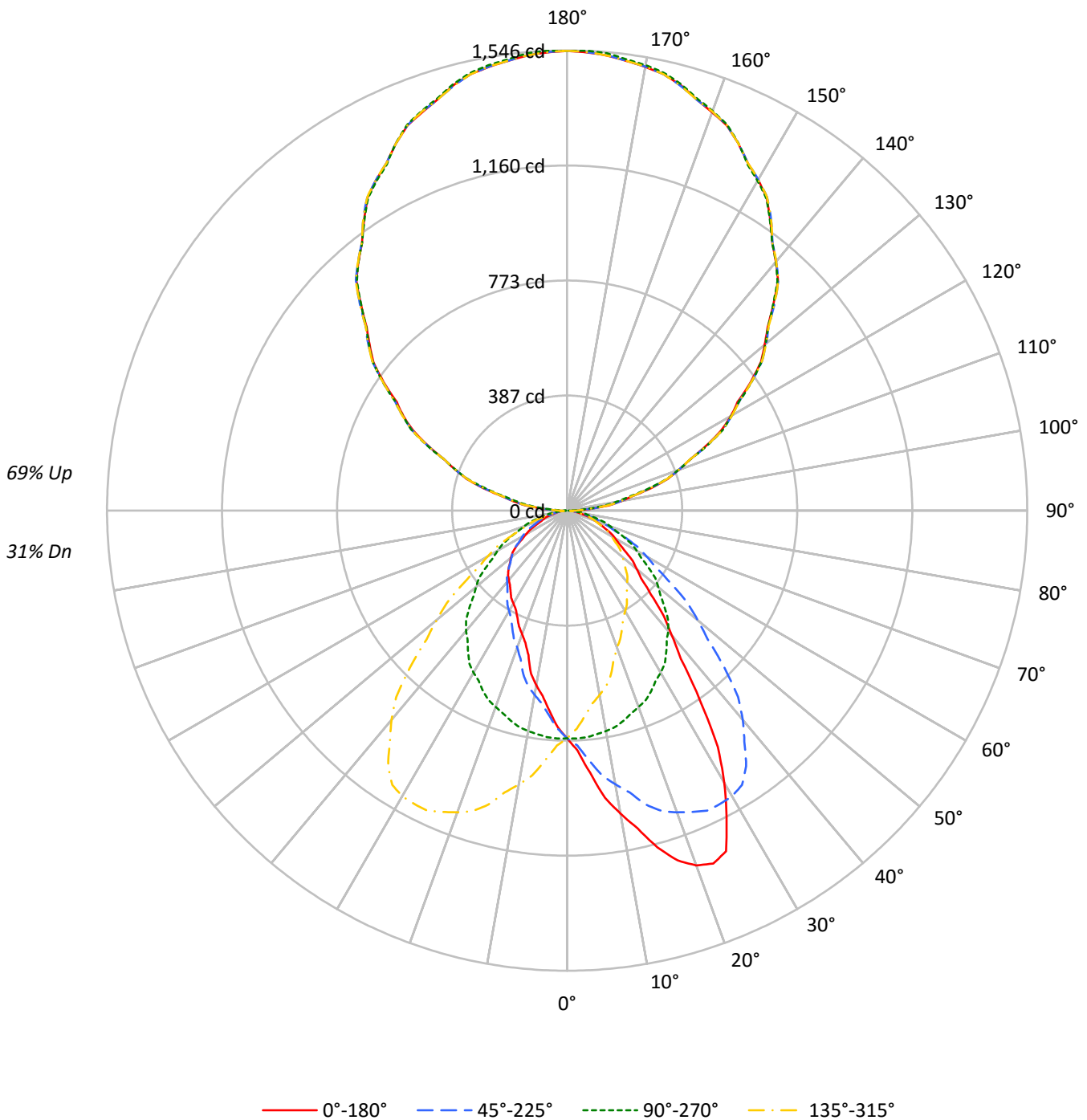
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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	56	53	50	43	41	39	31	30	28	23
3	78	69	62	57	70	63	57	52	50	46	42	38	36	33	28	26	24	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	44	38	33	36	31	27	28	24	22	20	18	16	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



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.1	1.2
10°-20°	223.6	3.6
20°-30°	349.7	5.6
30°-40°	388.8	6.2
40°-50°	344.9	5.5
50°-60°	268.8	4.3
60°-70°	176.0	2.8
70°-80°	86.5	1.4
80°-90°	26.0	0.4
90°-100°	101.9	1.6
100°-110°	301.8	4.8
110°-120°	512.2	8.2
120°-130°	675.4	10.9
130°-140°	758.5	12.2
140°-150°	745.3	12.0
150°-160°	626.9	10.1
160°-170°	417.1	6.7
170°-180°	146.1	2.3
0°-30°	647.4	10.4
0°-40°	1036.2	16.7
0°-60°	1649.9	26.5
0°-90°	1938.4	31.1
90°-120°	915.8	14.7
90°-150°	3095.0	49.7
90°-180°	4285.0	68.9
0°-180°	6223.4	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°	36	4	36	4	36	19
95°	94	72	94	72	94	98
105°	291	278	291	278	291	307
115°	516	521	516	521	516	510
125°	752	758	752	758	752	671
135°	980	978	980	978	980	756
145°	1190	1188	1190	1188	1190	744
155°	1360	1362	1360	1362	1360	626
165°	1479	1482	1479	1482	1479	416
175°	1535	1542	1535	1542	1535	146
180°	1544	1544	1544	1544	1544	



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**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°	12.6	12.2	12.4	12.3	12.4	12.0	11.9	12.0	11.2	11.2	10.8
90°	35.8	35.3	34.8	34.2	33.7	32.6	31.1	29.5	27.9	26.3	24.2
92.5°	53.0	52.7	52.4	52.0	51.7	51.1	50.1	49.2	48.2	47.3	45.8
95°	94.3	94.3	94.3	94.3	94.3	94.0	93.2	92.4	91.6	90.8	89.0
97.5°	147.9	147.9	147.9	147.9	147.9	147.4	146.5	145.5	144.5	143.5	141.4
100°	185.1	185.1	185.1	185.1	185.1	184.9	184.3	183.8	183.3	182.8	180.4
102.5°	227.2	227.0	226.8	226.6	226.3	225.9	225.1	224.3	223.6	222.9	220.7
105°	291.4	290.7	289.9	289.1	288.3	287.5	286.7	285.9	285.1	284.3	283.2
107.5°	354.0	354.1	354.2	354.2	354.3	353.9	353.2	352.4	351.6	350.9	350.8
110°	398.9	398.2	397.4	396.6	395.8	395.6	396.2	396.7	397.2	397.8	398.0



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	444.8	444.7	444.5	444.3	444.2	444.2	444.3	444.3	444.5	444.6	445.0
115°	516.0	516.3	516.6	516.8	517.1	517.4	517.6	517.8	518.2	518.4	519.0
117.5°	583.8	584.4	584.9	585.4	586.0	586.7	587.6	588.5	589.4	590.3	590.7
120°	635.5	634.9	634.4	633.9	633.3	633.7	635.1	636.4	637.7	639.1	639.8
122.5°	678.5	679.5	680.4	681.4	682.3	683.3	684.1	685.0	686.0	686.8	687.2
125°	752.5	753.0	753.6	754.1	754.6	755.2	755.7	756.2	756.8	757.3	757.6
127.5°	821.1	821.5	822.0	822.4	822.8	823.2	823.8	824.3	824.8	825.4	825.9
130°	866.0	867.0	868.2	869.2	870.2	871.0	871.6	872.1	872.7	873.1	873.1
132.5°	913.8	914.2	914.7	915.0	915.4	915.9	916.5	917.0	917.6	918.1	918.3
135°	979.5	980.2	981.0	981.8	982.6	983.3	983.9	984.4	984.9	985.5	985.5
137.5°	1048.5	1048.4	1048.2	1048.1	1047.9	1048.1	1048.8	1049.6	1050.2	1050.9	1050.5
140°	1090.6	1090.8	1091.1	1091.4	1091.6	1091.9	1092.2	1092.4	1092.7	1093.0	1093.0
142.5°	1132.6	1132.7	1132.7	1132.7	1132.8	1132.9	1132.9	1133.0	1133.1	1133.1	1133.3
145°	1189.7	1190.5	1191.3	1192.1	1192.9	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2
147.5°	1247.5	1247.8	1248.1	1248.3	1248.6	1248.8	1249.0	1249.3	1249.4	1249.7	1249.9
150°	1282.9	1283.2	1283.4	1283.7	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1315.3	1316.1	1316.8	1317.4	1318.1	1318.1	1317.5	1316.8	1316.2	1315.6	1315.4
155°	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8	1363.7	1362.6	1361.6	1360.5	1360.8
157.5°	1400.9	1401.8	1402.7	1403.6	1404.5	1404.5	1403.7	1403.0	1402.2	1401.4	1401.4
160°	1423.8	1425.1	1426.5	1427.8	1429.1	1429.4	1428.6	1427.8	1427.0	1426.2	1426.5
162.5°	1447.7	1449.1	1450.4	1451.7	1453.0	1452.9	1451.5	1450.1	1448.7	1447.2	1447.5
165°	1478.8	1479.8	1480.9	1481.9	1483.0	1482.7	1481.1	1479.6	1478.0	1476.4	1476.9
167.5°	1500.9	1502.6	1504.3	1505.9	1507.6	1507.6	1506.0	1504.4	1502.8	1501.3	1501.2
170°	1513.4	1515.3	1517.1	1519.0	1520.8	1521.0	1519.4	1517.8	1516.2	1514.6	1514.3
172.5°	1523.9	1525.7	1527.6	1529.5	1531.4	1531.4	1529.5	1527.8	1526.0	1524.2	1524.1
175°	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4	1540.5	1538.7	1536.8	1534.9	1535.2
177.5°	1540.6	1542.4	1544.0	1545.7	1547.4	1547.5	1546.0	1544.6	1543.1	1541.6	1541.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**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°	10.3	9.7	9.7	9.2	8.9	9.3	9.4	9.1	9.0	8.8	8.6
90°	22.0	19.9	17.8	15.3	12.4	9.4	6.5	3.6	6.5	9.4	12.4
92.5°	44.4	42.9	41.4	39.0	35.6	32.2	28.9	25.6	28.9	32.2	35.6
95°	87.1	85.2	83.3	81.2	78.8	76.4	74.1	71.7	74.1	76.4	78.8
97.5°	139.2	137.0	134.9	132.8	130.9	129.0	127.1	125.2	127.1	129.0	130.9
100°	178.0	175.6	173.2	171.5	170.4	169.4	168.3	167.2	168.3	169.4	170.4
102.5°	218.6	216.3	214.2	212.9	212.5	212.1	211.6	211.2	211.6	212.1	212.5
105°	282.2	281.1	280.0	279.4	279.1	278.8	278.6	278.3	278.6	278.8	279.1
107.5°	350.6	350.5	350.3	350.1	349.7	349.4	349.1	348.8	349.1	349.4	349.7
110°	398.3	398.5	398.9	398.7	398.2	397.6	397.1	396.6	397.1	397.6	398.2





TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	445.5	446.0	446.5	446.7	446.6	446.5	446.4	446.2	446.4	446.5	446.6
115°	519.4	520.0	520.5	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8
117.5°	591.0	591.4	591.8	591.9	591.7	591.4	591.2	591.0	591.2	591.4	591.7
120°	640.6	641.4	642.2	642.1	641.0	640.0	638.9	637.9	638.9	640.0	641.0
122.5°	687.5	687.9	688.3	688.2	687.9	687.5	687.0	686.6	687.0	687.5	687.9
125°	757.8	758.1	758.4	758.5	758.5	758.5	758.5	758.5	758.5	758.5	758.5
127.5°	826.2	826.6	827.1	826.9	826.1	825.3	824.5	823.7	824.5	825.3	826.1
130°	873.1	873.1	873.1	872.7	872.0	871.2	870.4	869.6	870.4	871.2	872.0
132.5°	918.5	918.7	918.9	918.8	918.1	917.6	917.0	916.4	917.0	917.6	918.1
135°	985.5	985.5	985.5	984.7	983.1	981.4	979.9	978.3	979.9	981.4	983.1
137.5°	1050.0	1049.6	1049.2	1048.6	1047.9	1047.1	1046.4	1045.7	1046.4	1047.1	1047.9
140°	1093.0	1093.0	1093.0	1092.7	1092.2	1091.6	1091.1	1090.6	1091.1	1091.6	1092.2
142.5°	1133.5	1133.7	1133.9	1133.8	1133.2	1132.7	1132.2	1131.6	1132.2	1132.7	1133.2
145°	1194.0	1193.7	1193.4	1192.8	1191.7	1190.6	1189.5	1188.5	1189.5	1190.6	1191.7
147.5°	1250.1	1250.3	1250.5	1250.0	1248.7	1247.4	1246.2	1244.9	1246.2	1247.4	1248.7
150°	1284.0	1284.0	1284.0	1283.6	1282.5	1281.4	1280.3	1279.3	1280.3	1281.4	1282.5
152.5°	1315.2	1314.9	1314.8	1314.3	1313.7	1313.0	1312.4	1311.8	1312.4	1313.0	1313.7
155°	1361.0	1361.3	1361.6	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7
157.5°	1401.4	1401.5	1401.6	1401.8	1402.3	1402.8	1403.3	1403.7	1403.3	1402.8	1402.3
160°	1426.7	1427.0	1427.3	1427.5	1427.8	1428.1	1428.3	1428.6	1428.3	1428.1	1427.8
162.5°	1447.8	1448.0	1448.3	1448.7	1449.5	1450.2	1450.9	1451.5	1450.9	1450.2	1449.5
165°	1477.4	1478.0	1478.5	1479.2	1480.0	1480.7	1481.5	1482.3	1481.5	1480.7	1480.0
167.5°	1501.1	1501.1	1501.0	1501.6	1502.7	1503.8	1504.9	1506.0	1504.9	1503.8	1502.7
170°	1514.1	1513.8	1513.5	1514.1	1515.4	1516.7	1518.1	1519.4	1518.1	1516.7	1515.4
172.5°	1524.1	1524.0	1523.9	1524.5	1525.6	1526.7	1527.8	1528.9	1527.8	1526.7	1525.6
175°	1535.4	1535.7	1536.0	1536.8	1538.1	1539.4	1540.7	1542.1	1540.7	1539.4	1538.1
177.5°	1541.6	1541.6	1541.6	1542.1	1543.2	1544.3	1545.3	1546.3	1545.3	1544.3	1543.2
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**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°	9.2	9.5	9.9	9.8	10.5	10.9	11.0	11.3	11.9	11.7	11.9
90°	15.3	17.8	19.9	22.0	24.2	26.3	27.9	29.5	31.1	32.6	33.7
92.5°	39.0	41.4	42.9	44.4	45.8	47.3	48.2	49.2	50.1	51.1	51.7
95°	81.2	83.3	85.2	87.1	89.0	90.8	91.6	92.4	93.2	94.0	94.3
97.5°	132.8	134.9	137.0	139.2	141.4	143.5	144.5	145.5	146.5	147.4	147.9
100°	171.5	173.2	175.6	178.0	180.4	182.8	183.3	183.8	184.3	184.9	185.1
102.5°	212.9	214.2	216.3	218.6	220.7	222.9	223.6	224.3	225.1	225.9	226.3
105°	279.4	280.0	281.1	282.2	283.2	284.3	285.1	285.9	286.7	287.5	288.3
107.5°	350.1	350.3	350.5	350.6	350.8	350.9	351.6	352.4	353.2	353.9	354.3
110°	398.7	398.9	398.5	398.3	398.0	397.8	397.2	396.7	396.2	395.6	395.8



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	446.7	446.5	446.0	445.5	445.0	444.6	444.5	444.3	444.3	444.2	444.2
115°	520.8	520.5	520.0	519.4	519.0	518.4	518.2	517.8	517.6	517.4	517.1
117.5°	591.9	591.8	591.4	591.0	590.7	590.3	589.4	588.5	587.6	586.7	586.0
120°	642.1	642.2	641.4	640.6	639.8	639.1	637.7	636.4	635.1	633.7	633.3
122.5°	688.2	688.3	687.9	687.5	687.2	686.8	686.0	685.0	684.1	683.3	682.3
125°	758.5	758.4	758.1	757.8	757.6	757.3	756.8	756.2	755.7	755.2	754.6
127.5°	826.9	827.1	826.6	826.2	825.9	825.4	824.8	824.3	823.8	823.2	822.8
130°	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.1	871.6	871.0	870.2
132.5°	918.8	918.9	918.7	918.5	918.3	918.1	917.6	917.0	916.5	915.9	915.4
135°	984.7	985.5	985.5	985.5	985.5	985.5	984.9	984.4	983.9	983.3	982.6
137.5°	1048.6	1049.2	1049.6	1050.0	1050.5	1050.9	1050.2	1049.6	1048.8	1048.1	1047.9
140°	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.4	1092.2	1091.9	1091.6
142.5°	1133.8	1133.9	1133.7	1133.5	1133.3	1133.1	1133.1	1133.0	1132.9	1132.9	1132.8
145°	1192.8	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2	1194.0	1193.7	1193.4	1192.9
147.5°	1250.0	1250.5	1250.3	1250.1	1249.9	1249.7	1249.4	1249.3	1249.0	1248.8	1248.6
150°	1283.6	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1314.3	1314.8	1314.9	1315.2	1315.4	1315.6	1316.2	1316.8	1317.5	1318.1	1318.1
155°	1361.7	1361.6	1361.3	1361.0	1360.8	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8
157.5°	1401.8	1401.6	1401.5	1401.4	1401.4	1401.4	1402.2	1403.0	1403.7	1404.5	1404.5
160°	1427.5	1427.3	1427.0	1426.7	1426.5	1426.2	1427.0	1427.8	1428.6	1429.4	1429.1
162.5°	1448.7	1448.3	1448.0	1447.8	1447.5	1447.2	1448.7	1450.1	1451.5	1452.9	1453.0
165°	1479.2	1478.5	1478.0	1477.4	1476.9	1476.4	1478.0	1479.6	1481.1	1482.7	1483.0
167.5°	1501.6	1501.0	1501.1	1501.1	1501.2	1501.3	1502.8	1504.4	1506.0	1507.6	1507.6
170°	1514.1	1513.5	1513.8	1514.1	1514.3	1514.6	1516.2	1517.8	1519.4	1521.0	1520.8
172.5°	1524.5	1523.9	1524.0	1524.1	1524.1	1524.2	1526.0	1527.8	1529.5	1531.4	1531.4
175°	1536.8	1536.0	1535.7	1535.4	1535.2	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4
177.5°	1542.1	1541.6	1541.6	1541.6	1541.6	1541.6	1543.1	1544.6	1546.0	1547.5	1547.4
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**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°	12.5	12.4	12.2	12.6	12.2	12.4	12.5	11.9	11.7	11.9	11.3
90°	34.2	34.8	35.3	35.8	35.3	34.8	34.2	33.7	32.6	31.1	29.5
92.5°	52.0	52.4	52.7	53.0	52.7	52.4	52.0	51.7	51.1	50.1	49.2
95°	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.0	93.2	92.4
97.5°	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.4	146.5	145.5
100°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	184.9	184.3	183.8
102.5°	226.6	226.8	227.0	227.2	227.0	226.8	226.6	226.3	225.9	225.1	224.3
105°	289.1	289.9	290.7	291.4	290.7	289.9	289.1	288.3	287.5	286.7	285.9
107.5°	354.2	354.2	354.1	354.0	354.1	354.2	354.2	354.3	353.9	353.2	352.4
110°	396.6	397.4	398.2	398.9	398.2	397.4	396.6	395.8	395.6	396.2	396.7



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	444.3	444.5	444.7	444.8	444.7	444.5	444.3	444.2	444.2	444.3	444.3
115°	516.8	516.6	516.3	516.0	516.3	516.6	516.8	517.1	517.4	517.6	517.8
117.5°	585.4	584.9	584.4	583.8	584.4	584.9	585.4	586.0	586.7	587.6	588.5
120°	633.9	634.4	634.9	635.5	634.9	634.4	633.9	633.3	633.7	635.1	636.4
122.5°	681.4	680.4	679.5	678.5	679.5	680.4	681.4	682.3	683.3	684.1	685.0
125°	754.1	753.6	753.0	752.5	753.0	753.6	754.1	754.6	755.2	755.7	756.2
127.5°	822.4	822.0	821.5	821.1	821.5	822.0	822.4	822.8	823.2	823.8	824.3
130°	869.2	868.2	867.0	866.0	867.0	868.2	869.2	870.2	871.0	871.6	872.1
132.5°	915.0	914.7	914.2	913.8	914.2	914.7	915.0	915.4	915.9	916.5	917.0
135°	981.8	981.0	980.2	979.5	980.2	981.0	981.8	982.6	983.3	983.9	984.4
137.5°	1048.1	1048.2	1048.4	1048.5	1048.4	1048.2	1048.1	1047.9	1048.1	1048.8	1049.6
140°	1091.4	1091.1	1090.8	1090.6	1090.8	1091.1	1091.4	1091.6	1091.9	1092.2	1092.4
142.5°	1132.7	1132.7	1132.7	1132.6	1132.7	1132.7	1132.7	1132.8	1132.9	1132.9	1133.0
145°	1192.1	1191.3	1190.5	1189.7	1190.5	1191.3	1192.1	1192.9	1193.4	1193.7	1194.0
147.5°	1248.3	1248.1	1247.8	1247.5	1247.8	1248.1	1248.3	1248.6	1248.8	1249.0	1249.3
150°	1283.7	1283.4	1283.2	1282.9	1283.2	1283.4	1283.7	1284.0	1284.0	1284.0	1284.0
152.5°	1317.4	1316.8	1316.1	1315.3	1316.1	1316.8	1317.4	1318.1	1318.1	1317.5	1316.8
155°	1363.7	1362.6	1361.6	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8	1363.7	1362.6
157.5°	1403.6	1402.7	1401.8	1400.9	1401.8	1402.7	1403.6	1404.5	1404.5	1403.7	1403.0
160°	1427.8	1426.5	1425.1	1423.8	1425.1	1426.5	1427.8	1429.1	1429.4	1428.6	1427.8
162.5°	1451.7	1450.4	1449.1	1447.7	1449.1	1450.4	1451.7	1453.0	1452.9	1451.5	1450.1
165°	1481.9	1480.9	1479.8	1478.8	1479.8	1480.9	1481.9	1483.0	1482.7	1481.1	1479.6
167.5°	1505.9	1504.3	1502.6	1500.9	1502.6	1504.3	1505.9	1507.6	1507.6	1506.0	1504.4
170°	1519.0	1517.1	1515.3	1513.4	1515.3	1517.1	1519.0	1520.8	1521.0	1519.4	1517.8
172.5°	1529.5	1527.6	1525.7	1523.9	1525.7	1527.6	1529.5	1531.4	1531.4	1529.5	1527.8
175°	1540.5	1538.7	1536.8	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4	1540.5	1538.7
177.5°	1545.7	1544.0	1542.4	1540.6	1542.4	1544.0	1545.7	1547.4	1547.5	1546.0	1544.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**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°	11.0	10.9	10.5	9.8	9.9	9.5	9.2	8.6	8.8	9.0	9.1
90°	27.9	26.3	24.2	22.0	19.9	17.8	15.3	12.4	9.4	6.5	3.6
92.5°	48.2	47.3	45.8	44.4	42.9	41.4	39.0	35.6	32.2	28.9	25.6
95°	91.6	90.8	89.0	87.1	85.2	83.3	81.2	78.8	76.4	74.1	71.7
97.5°	144.5	143.5	141.4	139.2	137.0	134.9	132.8	130.9	129.0	127.1	125.2
100°	183.3	182.8	180.4	178.0	175.6	173.2	171.5	170.4	169.4	168.3	167.2
102.5°	223.6	222.9	220.7	218.6	216.3	214.2	212.9	212.5	212.1	211.6	211.2
105°	285.1	284.3	283.2	282.2	281.1	280.0	279.4	279.1	278.8	278.6	278.3
107.5°	351.6	350.9	350.8	350.6	350.5	350.3	350.1	349.7	349.4	349.1	348.8
110°	397.2	397.8	398.0	398.3	398.5	398.9	398.7	398.2	397.6	397.1	396.6



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	444.5	444.6	445.0	445.5	446.0	446.5	446.7	446.6	446.5	446.4	446.2
115°	518.2	518.4	519.0	519.4	520.0	520.5	520.8	520.8	520.8	520.8	520.8
117.5°	589.4	590.3	590.7	591.0	591.4	591.8	591.9	591.7	591.4	591.2	591.0
120°	637.7	639.1	639.8	640.6	641.4	642.2	642.1	641.0	640.0	638.9	637.9
122.5°	686.0	686.8	687.2	687.5	687.9	688.3	688.2	687.9	687.5	687.0	686.6
125°	756.8	757.3	757.6	757.8	758.1	758.4	758.5	758.5	758.5	758.5	758.5
127.5°	824.8	825.4	825.9	826.2	826.6	827.1	826.9	826.1	825.3	824.5	823.7
130°	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.0	871.2	870.4	869.6
132.5°	917.6	918.1	918.3	918.5	918.7	918.9	918.8	918.1	917.6	917.0	916.4
135°	984.9	985.5	985.5	985.5	985.5	985.5	984.7	983.1	981.4	979.9	978.3
137.5°	1050.2	1050.9	1050.5	1050.0	1049.6	1049.2	1048.6	1047.9	1047.1	1046.4	1045.7
140°	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.2	1091.6	1091.1	1090.6
142.5°	1133.1	1133.1	1133.3	1133.5	1133.7	1133.9	1133.8	1133.2	1132.7	1132.2	1131.6
145°	1194.2	1194.5	1194.2	1194.0	1193.7	1193.4	1192.8	1191.7	1190.6	1189.5	1188.5
147.5°	1249.4	1249.7	1249.9	1250.1	1250.3	1250.5	1250.0	1248.7	1247.4	1246.2	1244.9
150°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1283.6	1282.5	1281.4	1280.3	1279.3
152.5°	1316.2	1315.6	1315.4	1315.2	1314.9	1314.8	1314.3	1313.7	1313.0	1312.4	1311.8
155°	1361.6	1360.5	1360.8	1361.0	1361.3	1361.6	1361.7	1361.7	1361.7	1361.7	1361.7
157.5°	1402.2	1401.4	1401.4	1401.4	1401.5	1401.6	1401.8	1402.3	1402.8	1403.3	1403.7
160°	1427.0	1426.2	1426.5	1426.7	1427.0	1427.3	1427.5	1427.8	1428.1	1428.3	1428.6
162.5°	1448.7	1447.2	1447.5	1447.8	1448.0	1448.3	1448.7	1449.5	1450.2	1450.9	1451.5
165°	1478.0	1476.4	1476.9	1477.4	1478.0	1478.5	1479.2	1480.0	1480.7	1481.5	1482.3
167.5°	1502.8	1501.3	1501.2	1501.1	1501.1	1501.0	1501.6	1502.7	1503.8	1504.9	1506.0
170°	1516.2	1514.6	1514.3	1514.1	1513.8	1513.5	1514.1	1515.4	1516.7	1518.1	1519.4
172.5°	1526.0	1524.2	1524.1	1524.1	1524.0	1523.9	1524.5	1525.6	1526.7	1527.8	1528.9
175°	1536.8	1534.9	1535.2	1535.4	1535.7	1536.0	1536.8	1538.1	1539.4	1540.7	1542.1
177.5°	1543.1	1541.6	1541.6	1541.6	1541.6	1541.6	1542.1	1543.2	1544.3	1545.3	1546.3
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**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°	9.4	9.3	8.9	9.2	9.7	9.7	10.3	10.8	11.2	11.2	12.0
90°	6.5	9.4	12.4	15.3	17.8	19.9	22.0	24.2	26.3	27.9	29.5
92.5°	28.9	32.2	35.6	39.0	41.4	42.9	44.4	45.8	47.3	48.2	49.2
95°	74.1	76.4	78.8	81.2	83.3	85.2	87.1	89.0	90.8	91.6	92.4
97.5°	127.1	129.0	130.9	132.8	134.9	137.0	139.2	141.4	143.5	144.5	145.5
100°	168.3	169.4	170.4	171.5	173.2	175.6	178.0	180.4	182.8	183.3	183.8
102.5°	211.6	212.1	212.5	212.9	214.2	216.3	218.6	220.7	222.9	223.6	224.3
105°	278.6	278.8	279.1	279.4	280.0	281.1	282.2	283.2	284.3	285.1	285.9
107.5°	349.1	349.4	349.7	350.1	350.3	350.5	350.6	350.8	350.9	351.6	352.4
110°	397.1	397.6	398.2	398.7	398.9	398.5	398.3	398.0	397.8	397.2	396.7





TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	446.4	446.5	446.6	446.7	446.5	446.0	445.5	445.0	444.6	444.5	444.3
115°	520.8	520.8	520.8	520.8	520.5	520.0	519.4	519.0	518.4	518.2	517.8
117.5°	591.2	591.4	591.7	591.9	591.8	591.4	591.0	590.7	590.3	589.4	588.5
120°	638.9	640.0	641.0	642.1	642.2	641.4	640.6	639.8	639.1	637.7	636.4
122.5°	687.0	687.5	687.9	688.2	688.3	687.9	687.5	687.2	686.8	686.0	685.0
125°	758.5	758.5	758.5	758.5	758.4	758.1	757.8	757.6	757.3	756.8	756.2
127.5°	824.5	825.3	826.1	826.9	827.1	826.6	826.2	825.9	825.4	824.8	824.3
130°	870.4	871.2	872.0	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.1
132.5°	917.0	917.6	918.1	918.8	918.9	918.7	918.5	918.3	918.1	917.6	917.0
135°	979.9	981.4	983.1	984.7	985.5	985.5	985.5	985.5	985.5	984.9	984.4
137.5°	1046.4	1047.1	1047.9	1048.6	1049.2	1049.6	1050.0	1050.5	1050.9	1050.2	1049.6
140°	1091.1	1091.6	1092.2	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.4
142.5°	1132.2	1132.7	1133.2	1133.8	1133.9	1133.7	1133.5	1133.3	1133.1	1133.1	1133.0
145°	1189.5	1190.6	1191.7	1192.8	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2	1194.0
147.5°	1246.2	1247.4	1248.7	1250.0	1250.5	1250.3	1250.1	1249.9	1249.7	1249.4	1249.3
150°	1280.3	1281.4	1282.5	1283.6	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1312.4	1313.0	1313.7	1314.3	1314.8	1314.9	1315.2	1315.4	1315.6	1316.2	1316.8
155°	1361.7	1361.7	1361.7	1361.7	1361.6	1361.3	1361.0	1360.8	1360.5	1361.6	1362.6
157.5°	1403.3	1402.8	1402.3	1401.8	1401.6	1401.5	1401.4	1401.4	1401.4	1402.2	1403.0
160°	1428.3	1428.1	1427.8	1427.5	1427.3	1427.0	1426.7	1426.5	1426.2	1427.0	1427.8
162.5°	1450.9	1450.2	1449.5	1448.7	1448.3	1448.0	1447.8	1447.5	1447.2	1448.7	1450.1
165°	1481.5	1480.7	1480.0	1479.2	1478.5	1478.0	1477.4	1476.9	1476.4	1478.0	1479.6
167.5°	1504.9	1503.8	1502.7	1501.6	1501.0	1501.1	1501.1	1501.2	1501.3	1502.8	1504.4
170°	1518.1	1516.7	1515.4	1514.1	1513.5	1513.8	1514.1	1514.3	1514.6	1516.2	1517.8
172.5°	1527.8	1526.7	1525.6	1524.5	1523.9	1524.0	1524.1	1524.1	1524.2	1526.0	1527.8
175°	1540.7	1539.4	1538.1	1536.8	1536.0	1535.7	1535.4	1535.2	1534.9	1536.8	1538.7
177.5°	1545.3	1544.3	1543.2	1542.1	1541.6	1541.6	1541.6	1541.6	1541.6	1543.1	1544.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**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°	11.9	12.0	12.4	12.3	12.4	12.2	12.6
90°	31.1	32.6	33.7	34.2	34.8	35.3	35.8
92.5°	50.1	51.1	51.7	52.0	52.4	52.7	53.0
95°	93.2	94.0	94.3	94.3	94.3	94.3	94.3
97.5°	146.5	147.4	147.9	147.9	147.9	147.9	147.9
100°	184.3	184.9	185.1	185.1	185.1	185.1	185.1
102.5°	225.1	225.9	226.3	226.6	226.8	227.0	227.2
105°	286.7	287.5	288.3	289.1	289.9	290.7	291.4
107.5°	353.2	353.9	354.3	354.2	354.2	354.1	354.0
110°	396.2	395.6	395.8	396.6	397.4	398.2	398.9



TEST NUMBER: P333052-927

CATALOG NUMBER: S124RDIW-S575D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	444.3	444.2	444.2	444.3	444.5	444.7	444.8
115°	517.6	517.4	517.1	516.8	516.6	516.3	516.0
117.5°	587.6	586.7	586.0	585.4	584.9	584.4	583.8
120°	635.1	633.7	633.3	633.9	634.4	634.9	635.5
122.5°	684.1	683.3	682.3	681.4	680.4	679.5	678.5
125°	755.7	755.2	754.6	754.1	753.6	753.0	752.5
127.5°	823.8	823.2	822.8	822.4	822.0	821.5	821.1
130°	871.6	871.0	870.2	869.2	868.2	867.0	866.0
132.5°	916.5	915.9	915.4	915.0	914.7	914.2	913.8
135°	983.9	983.3	982.6	981.8	981.0	980.2	979.5
137.5°	1048.8	1048.1	1047.9	1048.1	1048.2	1048.4	1048.5
140°	1092.2	1091.9	1091.6	1091.4	1091.1	1090.8	1090.6
142.5°	1132.9	1132.9	1132.8	1132.7	1132.7	1132.7	1132.6
145°	1193.7	1193.4	1192.9	1192.1	1191.3	1190.5	1189.7
147.5°	1249.0	1248.8	1248.6	1248.3	1248.1	1247.8	1247.5
150°	1284.0	1284.0	1284.0	1283.7	1283.4	1283.2	1282.9
152.5°	1317.5	1318.1	1318.1	1317.4	1316.8	1316.1	1315.3
155°	1363.7	1364.8	1364.8	1363.7	1362.6	1361.6	1360.5
157.5°	1403.7	1404.5	1404.5	1403.6	1402.7	1401.8	1400.9
160°	1428.6	1429.4	1429.1	1427.8	1426.5	1425.1	1423.8
162.5°	1451.5	1452.9	1453.0	1451.7	1450.4	1449.1	1447.7
165°	1481.1	1482.7	1483.0	1481.9	1480.9	1479.8	1478.8
167.5°	1506.0	1507.6	1507.6	1505.9	1504.3	1502.6	1500.9
170°	1519.4	1521.0	1520.8	1519.0	1517.1	1515.3	1513.4
172.5°	1529.5	1531.4	1531.4	1529.5	1527.6	1525.7	1523.9
175°	1540.5	1542.4	1542.4	1540.5	1538.7	1536.8	1534.9
177.5°	1546.0	1547.5	1547.4	1545.7	1544.0	1542.4	1540.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4

(END OF REPORT)