

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: P333382-940

Luminaire Tested: **S125DIW-S610D1050U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333382-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S610D1050U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5990.5 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

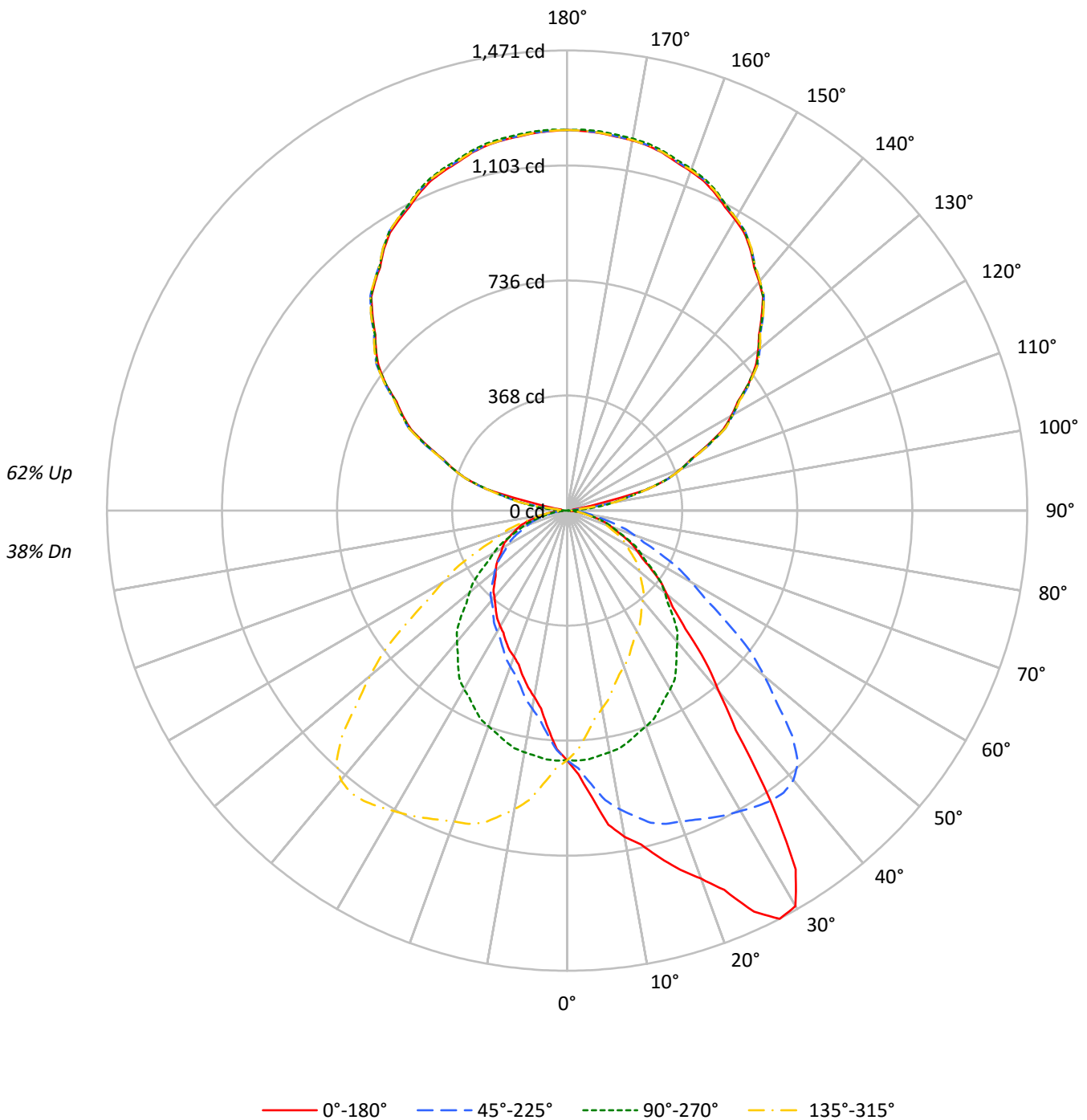
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
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	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	80	74	69	78	72	67	63	59	55	52	47	44	42	35	34	32	27
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	28	23
4	72	62	54	48	65	57	50	45	46	42	38	37	33	31	28	26	24	20
5	66	55	47	41	60	50	44	38	41	36	32	33	29	27	25	23	21	17
6	61	49	42	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	57	45	37	31	51	41	34	29	34	29	25	27	23	21	21	18	16	14
8	52	40	33	28	47	37	30	26	31	26	22	25	21	18	19	17	15	12
9	49	37	29	25	44	34	27	23	28	23	20	23	19	16	18	15	13	11
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10

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

	0°	90°	180°	270°
0°	5154	5154	5154	5154
5°	5969	5172	4528	5172
10°	6944	5145	3968	5145
15°	7687	5107	3660	5107
20°	8605	5047	3413	5047
25°	10080	4980	3293	4980
30°	10888	4914	3188	4914
35°	8952	4788	3120	4788
40°	6363	4615	3044	4615
45°	4888	4381	3001	4381
50°	4173	4091	2995	4091
55°	3715	3806	3021	3806
60°	3352	3495	3099	3495
65°	3096	3183	3177	3183
70°	2814	2859	3225	2859
75°	2485	2518	3194	2518
80°	2094	2053	2923	2053
85°	1660	1482	2356	1482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	1.3
10°-20°	228.8	3.8
20°-30°	371.4	6.2
30°-40°	453.1	7.6
40°-50°	412.2	6.9
50°-60°	328.3	5.5
60°-70°	228.7	3.8
70°-80°	121.9	2.0
80°-90°	33.3	0.6
90°-100°	44.2	0.7
100°-110°	272.5	4.5
110°-120°	494.2	8.2
120°-130°	634.2	10.6
130°-140°	682.1	11.4
140°-150°	640.3	10.7
150°-160°	517.9	8.6
160°-170°	335.0	5.6
170°-180°	115.5	1.9
0°-30°	677.0	11.3
0°-40°	1130.1	18.9
0°-60°	1870.6	31.2
0°-90°	2254.5	37.6
90°-120°	810.9	13.5
90°-150°	2767.5	46.2
90°-180°	3736.0	62.4
0°-180°	5990.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	798	798	798	798	798	
5°	921	798	698	798	921	93
15°	1150	764	547	764	1150	329
25°	1415	699	462	699	1415	646
35°	1135	607	396	607	1135	695
45°	535	480	329	480	535	428
55°	330	338	268	338	330	297
65°	203	208	208	208	203	201
75°	100	101	128	101	100	107
85°	22	20	32	20	22	26
90°	22	1	22	1	22	10
95°	19	51	19	51	19	16
105°	268	265	268	265	268	242
115°	494	498	494	498	494	491
125°	708	708	708	708	708	630
135°	879	883	879	883	879	679
145°	1021	1024	1021	1024	1021	638
155°	1119	1127	1119	1127	1119	516
165°	1183	1190	1183	1190	1183	334
175°	1211	1217	1211	1217	1211	115
180°	1217	1217	1217	1217	1217	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	844.2	843.0	842.0	839.8	841.4	836.8	834.6	830.9	826.3	824.7	822.7
5°	920.7	922.4	924.1	916.9	917.7	912.9	902.1	893.2	886.2	877.0	870.6
7.5°	1012.8	1008.8	1008.5	1003.9	996.0	989.6	978.2	963.7	949.7	933.7	920.5
10°	1058.9	1059.3	1056.2	1050.8	1042.3	1036.2	1021.3	1007.1	989.8	969.5	954.9
12.5°	1093.6	1095.0	1091.2	1083.9	1079.7	1066.0	1054.4	1037.4	1016.9	1000.7	978.5
15°	1149.7	1145.9	1143.3	1134.1	1126.9	1112.8	1094.1	1076.5	1054.2	1033.5	1012.8
17.5°	1203.7	1206.8	1201.7	1193.3	1171.3	1154.6	1129.6	1105.5	1077.6	1050.0	1025.3
20°	1252.0	1254.7	1246.9	1232.3	1205.9	1189.3	1156.5	1125.2	1093.1	1057.6	1030.5
22.5°	1312.2	1310.0	1299.5	1277.3	1254.5	1223.7	1188.2	1150.2	1109.9	1069.7	1033.7
25°	1414.6	1400.3	1393.9	1366.5	1336.3	1291.3	1242.5	1187.0	1136.8	1083.6	1037.6
27.5°	1471.3	1466.9	1459.7	1440.6	1408.9	1360.8	1303.2	1235.6	1164.8	1097.7	1037.3
30°	1460.0	1460.6	1461.3	1455.2	1434.9	1398.6	1341.4	1268.5	1184.5	1109.0	1039.3
32.5°	1359.1	1371.5	1383.3	1397.2	1402.9	1396.0	1360.1	1294.3	1207.9	1122.0	1038.1
35°	1135.4	1139.2	1177.5	1215.4	1266.9	1306.9	1333.6	1304.5	1231.6	1133.1	1036.9
37.5°	885.3	903.7	930.1	973.0	1047.3	1113.8	1199.4	1238.8	1215.2	1136.7	1034.5
40°	754.7	771.7	788.9	832.6	895.3	975.9	1073.1	1156.1	1175.5	1125.2	1026.4
42.5°	653.9	667.4	686.5	719.3	771.7	843.1	936.0	1044.5	1111.2	1092.3	1009.3
45°	535.2	543.7	558.6	584.7	622.6	678.5	760.5	879.0	982.3	1016.6	968.8
47.5°	458.1	458.1	469.7	487.7	515.1	562.5	623.1	716.0	826.3	908.0	904.2
50°	415.3	413.6	422.8	438.4	460.0	491.5	549.5	623.7	729.7	822.2	847.8
52.5°	378.4	378.6	384.2	395.7	413.9	440.9	484.1	551.0	641.6	736.5	785.0
55°	329.9	328.6	335.0	342.8	356.1	373.6	404.8	455.9	529.4	622.9	685.9
57.5°	285.5	289.2	291.8	297.2	308.2	319.9	346.3	383.8	442.1	522.4	589.0
60°	259.5	263.2	265.2	270.6	279.5	289.6	310.0	340.5	389.6	458.7	524.7
62.5°	236.1	239.1	239.8	244.6	251.8	261.7	277.7	303.3	342.1	402.5	467.3
65°	202.6	202.6	203.9	209.0	212.4	221.2	233.4	252.0	283.2	330.3	385.5
67.5°	170.1	171.8	171.5	173.7	176.8	183.7	192.4	207.8	230.9	265.2	309.4
70°	149.0	150.4	150.1	151.8	155.2	159.5	166.7	181.2	197.8	227.3	265.2
72.5°	130.1	130.6	129.7	132.0	134.0	137.9	145.8	153.6	169.1	193.9	225.2
75°	99.6	100.2	100.9	102.3	104.3	106.4	110.4	118.2	128.4	147.0	167.0
77.5°	74.6	73.4	75.0	74.8	76.0	77.5	81.1	85.2	93.5	105.3	120.8
80°	56.3	56.5	56.5	56.9	58.6	59.7	62.7	65.7	72.1	81.0	91.8
82.5°	41.0	41.9	41.4	42.0	43.4	44.1	45.8	48.3	52.1	59.0	66.9
85°	22.4	20.7	21.3	22.0	22.0	22.4	23.7	24.7	26.8	29.4	32.5
87.5°	10.8	11.2	11.4	11.3	11.4	11.2	12.1	11.9	12.6	13.2	14.0
90°	21.7	21.0	20.4	19.9	19.3	18.5	17.5	16.4	15.4	14.4	13.0
92.5°	20.2	19.9	19.6	19.4	19.1	18.5	17.5	16.4	15.4	14.4	13.2
95°	18.9	18.9	18.9	18.9	18.9	18.5	17.5	16.4	15.4	14.4	22.0
97.5°	18.9	18.9	18.9	18.9	18.9	21.8	27.4	33.1	38.7	44.4	59.5
100°	18.9	19.7	20.5	21.3	22.1	37.5	67.3	97.2	127.1	156.9	156.1
102.5°	113.4	127.1	140.7	154.4	168.0	177.6	183.2	188.9	194.6	200.2	199.7
105°	267.9	268.0	268.2	268.5	268.7	268.8	268.8	268.8	268.8	268.8	268.8
107.5°	337.7	338.2	338.9	339.5	340.1	340.4	340.3	340.3	340.2	340.2	339.7
110°	386.0	385.8	385.6	385.4	385.2	385.4	386.0	386.6	387.2	387.8	387.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	429.3	429.5	429.8	430.2	430.4	431.0	431.7	432.5	433.2	434.0	433.7
115°	494.2	495.4	496.6	497.8	499.0	500.0	500.8	501.6	502.4	503.2	503.0
117.5°	563.5	564.0	564.5	565.1	565.5	566.3	567.4	568.5	569.4	570.5	569.7
120°	606.0	607.1	608.1	609.0	610.0	610.7	611.2	611.5	612.0	612.3	611.7
122.5°	646.5	647.6	648.8	650.0	651.1	651.8	652.3	652.6	653.1	653.4	653.2
125°	707.9	708.6	709.2	709.8	710.3	711.1	711.9	712.7	713.5	714.3	714.3
127.5°	759.7	761.2	762.7	764.2	765.6	766.6	767.0	767.5	767.9	768.4	768.5
130°	797.3	798.3	799.2	800.2	801.2	802.0	802.6	803.3	803.9	804.4	804.2
132.5°	831.9	832.9	833.8	834.9	835.9	836.4	836.5	836.7	836.8	837.0	837.3
135°	879.3	880.5	881.7	882.9	884.1	884.9	885.3	885.7	886.1	886.5	886.9
137.5°	926.9	928.0	929.0	930.1	931.1	931.6	931.5	931.4	931.3	931.2	931.6
140°	955.0	956.3	957.4	958.7	959.8	960.3	959.8	959.5	959.0	958.7	958.9
142.5°	981.8	982.9	984.2	985.3	986.6	987.1	987.0	986.9	986.9	986.8	986.5
145°	1020.9	1022.1	1023.3	1024.5	1025.7	1026.2	1026.0	1025.8	1025.6	1025.4	1025.4
147.5°	1053.2	1054.6	1056.1	1057.5	1059.0	1059.5	1059.4	1059.1	1058.8	1058.5	1058.4
150°	1074.1	1075.7	1077.3	1078.9	1080.5	1081.1	1080.8	1080.3	1080.0	1079.5	1079.1
152.5°	1093.6	1095.0	1096.4	1097.9	1099.4	1099.8	1099.5	1099.0	1098.7	1098.2	1097.9
155°	1119.2	1120.8	1122.4	1124.0	1125.6	1126.1	1125.5	1124.9	1124.3	1123.7	1123.3
157.5°	1140.7	1142.3	1143.9	1145.5	1147.1	1147.5	1146.9	1146.3	1145.7	1145.0	1145.0
160°	1154.4	1156.0	1157.6	1159.2	1160.7	1161.2	1160.4	1159.6	1158.8	1158.0	1157.8
162.5°	1166.6	1168.4	1170.2	1171.9	1173.7	1174.0	1172.9	1171.8	1170.6	1169.5	1169.3
165°	1183.2	1184.8	1186.4	1188.0	1189.6	1189.8	1188.7	1187.4	1186.2	1185.0	1184.8
167.5°	1194.8	1196.6	1198.4	1200.2	1202.0	1202.2	1200.7	1199.3	1197.8	1196.4	1196.2
170°	1201.2	1203.1	1204.9	1206.7	1208.4	1208.6	1207.0	1205.4	1203.8	1202.2	1201.9
172.5°	1205.6	1207.4	1209.2	1211.0	1212.8	1213.0	1211.6	1210.1	1208.6	1207.2	1206.8
175°	1211.2	1213.0	1214.8	1216.6	1218.4	1218.5	1216.9	1215.3	1213.7	1212.1	1211.9
177.5°	1214.4	1215.8	1217.0	1218.3	1219.6	1219.7	1218.5	1217.4	1216.3	1215.1	1215.0
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	821.1	819.2	817.1	813.2	808.6	806.2	802.5	800.0	795.0	791.0	786.7
5°	862.7	854.0	845.9	835.4	823.9	816.4	807.5	797.7	787.6	777.0	765.5
7.5°	905.9	890.4	873.4	855.2	837.4	821.0	805.3	790.0	775.6	758.2	743.5
10°	935.0	915.3	894.3	869.5	845.5	824.5	803.2	784.5	765.5	745.2	727.3
12.5°	963.9	937.7	908.1	880.9	852.0	826.7	801.6	777.8	753.9	731.4	710.5
15°	984.4	961.4	933.9	895.3	862.7	827.9	794.7	763.8	735.0	710.0	683.6
17.5°	997.8	968.2	938.7	901.7	859.1	820.0	782.4	747.2	714.7	682.9	657.5
20°	1000.3	969.8	939.0	902.8	859.1	814.3	776.8	734.4	699.5	666.6	635.4
22.5°	999.5	964.9	931.4	894.0	851.5	810.3	764.8	721.7	683.8	651.5	618.9
25°	991.8	954.9	912.9	875.3	833.3	789.6	743.5	698.8	660.2	623.3	591.1
27.5°	985.4	937.5	890.0	846.1	805.6	765.5	721.5	675.6	632.8	595.4	565.1
30°	977.6	925.1	871.6	825.8	784.2	745.2	703.6	658.9	614.1	577.6	545.0
32.5°	970.5	909.4	852.9	803.1	759.0	721.1	682.7	640.2	596.3	559.1	526.6
35°	957.0	886.2	821.4	765.2	718.1	679.2	647.0	607.3	567.0	531.1	500.0
37.5°	939.7	855.7	786.2	727.3	675.6	634.6	604.7	574.3	535.6	501.0	472.8
40°	926.1	834.0	760.5	700.2	646.7	604.0	576.2	547.4	515.2	483.0	453.3
42.5°	909.0	814.5	734.4	669.6	616.6	575.0	545.8	521.4	493.0	463.0	435.3
45°	877.7	779.1	692.4	622.6	569.1	528.1	497.9	479.7	458.3	429.9	406.5
47.5°	831.5	736.6	646.9	574.9	519.7	481.7	453.4	435.9	420.9	399.8	378.5
50°	790.6	704.9	614.1	542.7	487.4	449.2	423.1	407.2	394.3	378.0	360.1
52.5°	744.8	665.0	581.9	511.2	456.6	418.8	393.2	379.2	368.5	356.9	339.2
55°	672.1	604.3	527.1	460.0	409.6	372.6	350.3	338.0	329.2	320.5	309.6
57.5°	591.9	539.0	470.5	409.2	362.7	329.1	308.3	296.4	289.5	285.0	278.7
60°	535.6	490.2	431.2	375.3	329.9	300.1	279.8	270.6	264.9	261.2	256.5
62.5°	483.2	445.9	391.4	340.4	300.7	272.5	254.3	245.5	240.0	238.2	234.2
65°	406.2	377.4	332.3	290.0	256.1	232.0	216.8	208.3	204.9	202.9	203.2
67.5°	330.2	312.6	276.5	240.4	213.3	193.1	180.9	174.4	172.7	170.0	170.0
70°	283.8	270.6	240.1	208.7	184.6	169.1	158.2	151.4	149.7	148.4	148.0
72.5°	242.9	231.4	204.9	179.7	158.1	144.4	135.5	131.3	128.6	127.8	127.7
75°	182.6	176.1	155.2	135.2	120.3	110.8	104.7	100.9	98.9	98.5	98.9
77.5°	129.8	124.2	110.8	96.7	87.3	80.1	74.9	73.7	71.3	71.4	71.1
80°	97.6	93.8	85.3	74.2	66.4	60.3	57.6	55.2	54.6	53.5	54.6
82.5°	70.7	66.7	61.0	53.9	47.4	43.8	41.0	40.3	39.9	39.4	39.6
85°	34.9	35.2	31.8	26.4	23.7	21.7	20.0	20.0	19.6	19.4	19.6
87.5°	14.3	13.5	12.0	11.0	9.3	8.1	7.6	7.5	7.0	7.0	7.7
90°	11.6	10.3	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7
92.5°	11.9	10.7	9.5	9.4	10.5	11.7	12.8	13.9	12.8	11.7	10.5
95°	29.7	37.3	44.9	49.0	49.6	50.2	50.8	51.4	50.8	50.2	49.6
97.5°	74.5	89.6	104.7	111.6	110.6	109.5	108.4	107.4	108.4	109.5	110.6
100°	155.3	154.5	153.7	153.0	152.4	151.8	151.2	150.6	151.2	151.8	152.4
102.5°	199.2	198.8	198.3	197.7	196.9	196.2	195.4	194.7	195.4	196.2	196.9
105°	268.8	268.8	268.8	268.3	267.5	266.7	265.9	265.1	265.9	266.7	267.5
107.5°	339.4	338.9	338.6	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4
110°	387.0	386.6	386.2	386.0	386.0	386.0	386.0	386.0	386.0	386.0	386.0





TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	433.5	433.3	433.0	432.7	432.1	431.7	431.2	430.7	431.2	431.7	432.1
115°	502.8	502.7	502.4	501.9	500.8	499.8	498.8	497.8	498.8	499.8	500.8
117.5°	569.0	568.2	567.5	567.1	567.1	567.2	567.2	567.3	567.2	567.2	567.1
120°	611.2	610.6	609.9	609.8	609.9	610.1	610.4	610.6	610.4	610.1	609.9
122.5°	652.9	652.6	652.4	651.8	651.0	650.3	649.5	648.8	649.5	650.3	651.0
125°	714.3	714.3	714.3	713.5	712.1	710.8	709.4	707.9	709.4	710.8	712.1
127.5°	768.7	768.7	768.8	768.4	767.4	766.4	765.4	764.4	765.4	766.4	767.4
130°	804.1	803.9	803.6	803.1	802.0	801.0	800.0	799.1	800.0	801.0	802.0
132.5°	837.8	838.2	838.7	838.3	837.1	836.0	834.8	833.7	834.8	836.0	837.1
135°	887.3	887.7	888.1	887.7	886.5	885.3	884.1	882.9	884.1	885.3	886.5
137.5°	932.0	932.4	932.7	932.4	931.3	930.2	929.3	928.2	929.3	930.2	931.3
140°	959.0	959.3	959.5	959.4	958.9	958.6	958.1	957.8	958.1	958.6	958.9
142.5°	986.2	986.0	985.7	985.4	985.2	985.0	984.7	984.4	984.7	985.0	985.2
145°	1025.4	1025.4	1025.4	1025.2	1024.8	1024.4	1024.0	1023.6	1024.0	1024.4	1024.8
147.5°	1058.1	1057.8	1057.7	1057.6	1057.7	1057.7	1057.8	1057.8	1057.8	1057.7	1057.7
150°	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1079.1	1078.7	1078.3
152.5°	1097.5	1097.1	1096.7	1096.9	1097.8	1098.7	1099.6	1100.5	1099.6	1098.7	1097.8
155°	1122.9	1122.5	1122.1	1122.5	1123.7	1124.9	1126.1	1127.3	1126.1	1124.9	1123.7
157.5°	1144.9	1144.9	1144.9	1145.1	1145.9	1146.7	1147.4	1148.1	1147.4	1146.7	1145.9
160°	1157.6	1157.4	1157.2	1157.7	1158.9	1160.1	1161.3	1162.5	1161.3	1160.1	1158.9
162.5°	1169.1	1168.9	1168.7	1169.2	1170.5	1171.6	1172.9	1174.0	1172.9	1171.6	1170.5
165°	1184.6	1184.5	1184.2	1184.7	1186.0	1187.1	1188.4	1189.5	1188.4	1187.1	1186.0
167.5°	1196.0	1195.8	1195.6	1196.1	1197.4	1198.6	1199.9	1201.0	1199.9	1198.6	1197.4
170°	1201.8	1201.6	1201.4	1201.9	1203.4	1204.8	1206.2	1207.6	1206.2	1204.8	1203.4
172.5°	1206.5	1206.1	1205.8	1206.3	1207.7	1209.1	1210.5	1211.9	1210.5	1209.1	1207.7
175°	1211.7	1211.5	1211.3	1211.7	1213.0	1214.2	1215.4	1216.6	1215.4	1214.2	1213.0
177.5°	1214.9	1214.7	1214.5	1215.0	1215.8	1216.8	1217.8	1218.8	1217.8	1216.8	1215.8
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	784.3	781.2	778.8	773.4	770.4	766.3	763.1	766.6	762.9	764.5	762.1
5°	759.8	750.3	743.5	733.7	725.2	717.5	711.7	710.7	707.9	706.6	702.6
7.5°	730.4	718.5	706.9	694.0	683.1	672.2	665.0	659.2	655.4	650.3	646.8
10°	713.0	697.1	683.6	668.0	654.4	642.6	633.1	628.4	623.9	617.5	615.2
12.5°	691.6	675.2	658.6	641.9	629.0	615.7	607.6	600.5	597.4	590.1	589.4
15°	665.9	641.2	625.0	608.1	590.0	579.3	572.5	564.7	561.3	556.2	552.5
17.5°	635.3	613.2	592.9	575.4	560.0	550.9	542.4	537.1	531.3	528.0	521.8
20°	613.1	592.1	571.8	553.1	541.3	530.8	524.1	519.0	512.8	511.1	505.1
22.5°	594.4	571.2	551.7	536.1	523.2	511.3	504.0	500.5	496.3	491.1	489.9
25°	564.0	539.9	523.3	507.7	496.2	485.4	480.4	475.9	471.9	468.1	466.8
27.5°	537.7	516.2	496.5	482.4	472.4	462.5	458.1	452.7	449.7	446.7	443.1
30°	519.3	497.3	480.0	466.5	455.6	446.8	442.0	438.4	435.6	432.9	430.9
32.5°	500.3	479.9	463.2	450.0	439.1	432.5	428.2	425.6	422.6	419.4	416.8
35°	475.3	452.9	436.7	425.1	416.6	411.5	406.8	404.5	401.1	401.1	398.3
37.5°	447.0	427.7	413.3	402.8	395.2	390.7	385.6	384.0	381.7	380.3	379.4
40°	430.2	412.2	398.7	388.2	380.0	376.3	372.3	369.5	368.2	366.5	365.9
42.5°	412.9	395.7	382.7	373.0	366.0	362.7	359.0	357.1	354.4	352.1	351.8
45°	386.5	369.9	358.0	350.3	344.2	340.5	338.0	334.0	332.6	329.9	329.6
47.5°	361.5	345.5	333.9	327.5	322.2	319.1	315.4	311.4	309.8	308.4	308.4
50°	342.8	328.2	317.4	311.3	306.2	301.8	298.1	295.4	294.4	294.4	295.1
52.5°	323.9	311.5	302.2	294.8	290.0	285.3	281.9	280.2	278.7	280.3	281.5
55°	296.0	283.6	276.8	269.7	264.9	259.5	257.8	257.1	256.1	258.8	260.1
57.5°	266.6	257.9	249.9	242.9	238.6	235.5	233.2	232.8	234.7	235.9	240.4
60°	248.0	237.8	230.7	225.2	220.2	218.1	217.5	216.8	218.1	221.9	227.7
62.5°	227.4	219.1	211.4	207.4	203.7	200.3	200.1	200.5	203.2	207.5	213.3
65°	197.2	190.0	184.9	180.2	177.2	175.1	175.8	177.2	180.2	186.0	192.4
67.5°	166.5	161.6	157.0	153.2	150.3	150.3	151.0	153.0	156.6	163.2	169.1
70°	146.7	141.2	137.5	135.8	133.5	132.2	134.1	137.5	140.5	146.7	151.8
72.5°	126.9	122.3	119.4	118.2	117.2	116.1	116.8	120.5	124.6	130.7	136.6
75°	97.6	95.9	93.8	92.5	91.5	92.1	92.8	96.2	99.6	106.0	112.8
77.5°	71.2	69.5	68.2	67.9	67.3	67.7	69.6	72.1	75.4	80.1	85.2
80°	53.9	53.1	52.5	52.2	52.2	52.5	55.2	56.9	59.9	64.4	68.4
82.5°	39.2	38.8	38.7	38.6	38.9	39.0	40.6	42.8	45.3	48.7	52.2
85°	20.7	20.0	21.0	21.3	20.7	21.7	22.4	23.7	24.7	26.4	28.1
87.5°	8.2	9.1	9.1	9.6	9.9	10.7	10.7	11.9	12.7	13.5	13.4
90°	7.3	8.8	10.3	11.6	13.0	14.4	15.4	16.4	17.5	18.5	19.3
92.5°	9.4	9.5	10.7	11.9	13.2	14.4	15.4	16.4	17.5	18.5	19.1
95°	49.0	44.9	37.3	29.7	22.0	14.4	15.4	16.4	17.5	18.5	18.9
97.5°	111.6	104.7	89.6	74.5	59.5	44.4	38.7	33.1	27.4	21.8	18.9
100°	153.0	153.7	154.5	155.3	156.1	156.9	127.1	97.2	67.3	37.5	22.1
102.5°	197.7	198.3	198.8	199.2	199.7	200.2	194.6	188.9	183.2	177.6	168.0
105°	268.3	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.7
107.5°	338.4	338.6	338.9	339.4	339.7	340.2	340.2	340.3	340.3	340.4	340.1
110°	386.0	386.2	386.6	387.0	387.4	387.8	387.2	386.6	386.0	385.4	385.2



TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	432.7	433.0	433.3	433.5	433.7	434.0	433.2	432.5	431.7	431.0	430.4
115°	501.9	502.4	502.7	502.8	503.0	503.2	502.4	501.6	500.8	500.0	499.0
117.5°	567.1	567.5	568.2	569.0	569.7	570.5	569.4	568.5	567.4	566.3	565.5
120°	609.8	609.9	610.6	611.2	611.7	612.3	612.0	611.5	611.2	610.7	610.0
122.5°	651.8	652.4	652.6	652.9	653.2	653.4	653.1	652.6	652.3	651.8	651.1
125°	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.7	711.9	711.1	710.3
127.5°	768.4	768.8	768.7	768.7	768.5	768.4	767.9	767.5	767.0	766.6	765.6
130°	803.1	803.6	803.9	804.1	804.2	804.4	803.9	803.3	802.6	802.0	801.2
132.5°	838.3	838.7	838.2	837.8	837.3	837.0	836.8	836.7	836.5	836.4	835.9
135°	887.7	888.1	887.7	887.3	886.9	886.5	886.1	885.7	885.3	884.9	884.1
137.5°	932.4	932.7	932.4	932.0	931.6	931.2	931.3	931.4	931.5	931.6	931.1
140°	959.4	959.5	959.3	959.0	958.9	958.7	959.0	959.5	959.8	960.3	959.8
142.5°	985.4	985.7	986.0	986.2	986.5	986.8	986.9	986.9	987.0	987.1	986.6
145°	1025.2	1025.4	1025.4	1025.4	1025.4	1025.4	1025.6	1025.8	1026.0	1026.2	1025.7
147.5°	1057.6	1057.7	1057.8	1058.1	1058.4	1058.5	1058.8	1059.1	1059.4	1059.5	1059.0
150°	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1080.0	1080.3	1080.8	1081.1	1080.5
152.5°	1096.9	1096.7	1097.1	1097.5	1097.9	1098.2	1098.7	1099.0	1099.5	1099.8	1099.4
155°	1122.5	1122.1	1122.5	1122.9	1123.3	1123.7	1124.3	1124.9	1125.5	1126.1	1125.6
157.5°	1145.1	1144.9	1144.9	1144.9	1145.0	1145.0	1145.7	1146.3	1146.9	1147.5	1147.1
160°	1157.7	1157.2	1157.4	1157.6	1157.8	1158.0	1158.8	1159.6	1160.4	1161.2	1160.7
162.5°	1169.2	1168.7	1168.9	1169.1	1169.3	1169.5	1170.6	1171.8	1172.9	1174.0	1173.7
165°	1184.7	1184.2	1184.5	1184.6	1184.8	1185.0	1186.2	1187.4	1188.7	1189.8	1189.6
167.5°	1196.1	1195.6	1195.8	1196.0	1196.2	1196.4	1197.8	1199.3	1200.7	1202.2	1202.0
170°	1201.9	1201.4	1201.6	1201.8	1201.9	1202.2	1203.8	1205.4	1207.0	1208.6	1208.4
172.5°	1206.3	1205.8	1206.1	1206.5	1206.8	1207.2	1208.6	1210.1	1211.6	1213.0	1212.8
175°	1211.7	1211.3	1211.5	1211.7	1211.9	1212.1	1213.7	1215.3	1216.9	1218.5	1218.4
177.5°	1215.0	1214.5	1214.7	1214.9	1215.0	1215.1	1216.3	1217.4	1218.5	1219.7	1219.6
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	760.4	762.3	760.7	762.9	760.7	762.3	760.4	762.1	764.5	762.9	766.6
5°	700.9	697.8	699.8	698.5	699.8	697.8	700.9	702.6	706.6	707.9	710.7
7.5°	645.9	642.9	639.6	638.0	639.6	642.9	645.9	646.8	650.3	655.4	659.2
10°	611.4	607.7	607.3	605.0	607.3	607.7	611.4	615.2	617.5	623.9	628.4
12.5°	586.2	582.7	578.9	577.9	578.9	582.7	586.2	589.4	590.1	597.4	600.5
15°	550.5	547.8	545.4	547.4	545.4	547.8	550.5	552.5	556.2	561.3	564.7
17.5°	520.7	518.4	518.1	515.6	518.1	518.4	520.7	521.8	528.0	531.3	537.1
20°	502.0	500.3	501.0	496.6	501.0	500.3	502.0	505.1	511.1	512.8	519.0
22.5°	487.1	483.8	483.4	482.5	483.4	483.8	487.1	489.9	491.1	496.3	500.5
25°	463.8	462.1	460.4	462.1	460.4	462.1	463.8	466.8	468.1	471.9	475.9
27.5°	443.4	441.3	440.9	441.0	440.9	441.3	443.4	443.1	446.7	449.7	452.7
30°	430.9	427.5	427.8	427.5	427.8	427.5	430.9	430.9	432.9	435.6	438.4
32.5°	417.3	415.0	414.6	413.9	414.6	415.0	417.3	416.8	419.4	422.6	425.6
35°	397.3	397.3	395.7	395.7	395.7	397.3	397.3	398.3	401.1	401.1	404.5
37.5°	378.5	378.3	377.2	377.4	377.2	378.3	378.5	379.4	380.3	381.7	384.0
40°	364.4	364.2	363.1	361.1	363.1	364.2	364.4	365.9	366.5	368.2	369.5
42.5°	351.0	349.8	349.3	348.7	349.3	349.8	351.0	351.8	352.1	354.4	357.1
45°	329.6	329.6	329.0	328.6	329.0	329.6	329.6	329.6	329.9	332.6	334.0
47.5°	308.9	309.5	310.8	310.6	310.8	309.5	308.9	308.4	308.4	309.8	311.4
50°	296.4	296.8	297.7	298.1	297.7	296.8	296.4	295.1	294.4	294.4	295.4
52.5°	282.6	284.5	285.8	285.6	285.8	284.5	282.6	281.5	280.3	278.7	280.2
55°	263.2	265.6	268.0	268.3	268.0	265.6	263.2	260.1	258.8	256.1	257.1
57.5°	244.1	247.4	249.9	250.7	249.9	247.4	244.1	240.4	235.9	234.7	232.8
60°	231.0	235.4	238.4	239.9	238.4	235.4	231.0	227.7	221.9	218.1	216.8
62.5°	218.6	223.5	226.6	226.9	226.6	223.5	218.6	213.3	207.5	203.2	200.5
65°	198.1	203.2	206.0	207.9	206.0	203.2	198.1	192.4	186.0	180.2	177.2
67.5°	176.2	181.3	184.3	185.9	184.3	181.3	176.2	169.1	163.2	156.6	153.0
70°	160.2	165.3	169.3	170.8	169.3	165.3	160.2	151.8	146.7	140.5	137.5
72.5°	144.5	149.0	152.3	153.9	152.3	149.0	144.5	136.6	130.7	124.6	120.5
75°	117.2	123.3	126.4	128.0	126.4	123.3	117.2	112.8	106.0	99.6	96.2
77.5°	90.4	95.9	97.7	98.6	97.7	95.9	90.4	85.2	80.1	75.4	72.1
80°	72.5	75.9	78.3	78.6	78.3	75.9	72.5	68.4	64.4	59.9	56.9
82.5°	55.7	58.5	59.3	60.2	59.3	58.5	55.7	52.2	48.7	45.3	42.8
85°	30.5	31.8	32.2	31.8	32.2	31.8	30.5	28.1	26.4	24.7	23.7
87.5°	14.0	13.8	14.0	14.6	14.0	13.8	14.0	13.4	13.5	12.7	11.9
90°	19.9	20.4	21.0	21.7	21.0	20.4	19.9	19.3	18.5	17.5	16.4
92.5°	19.4	19.6	19.9	20.2	19.9	19.6	19.4	19.1	18.5	17.5	16.4
95°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.5	17.5	16.4
97.5°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	21.8	27.4	33.1
100°	21.3	20.5	19.7	18.9	19.7	20.5	21.3	22.1	37.5	67.3	97.2
102.5°	154.4	140.7	127.1	113.4	127.1	140.7	154.4	168.0	177.6	183.2	188.9
105°	268.5	268.2	268.0	267.9	268.0	268.2	268.5	268.7	268.8	268.8	268.8
107.5°	339.5	338.9	338.2	337.7	338.2	338.9	339.5	340.1	340.4	340.3	340.3
110°	385.4	385.6	385.8	386.0	385.8	385.6	385.4	385.2	385.4	386.0	386.6



TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	430.2	429.8	429.5	429.3	429.5	429.8	430.2	430.4	431.0	431.7	432.5
115°	497.8	496.6	495.4	494.2	495.4	496.6	497.8	499.0	500.0	500.8	501.6
117.5°	565.1	564.5	564.0	563.5	564.0	564.5	565.1	565.5	566.3	567.4	568.5
120°	609.0	608.1	607.1	606.0	607.1	608.1	609.0	610.0	610.7	611.2	611.5
122.5°	650.0	648.8	647.6	646.5	647.6	648.8	650.0	651.1	651.8	652.3	652.6
125°	709.8	709.2	708.6	707.9	708.6	709.2	709.8	710.3	711.1	711.9	712.7
127.5°	764.2	762.7	761.2	759.7	761.2	762.7	764.2	765.6	766.6	767.0	767.5
130°	800.2	799.2	798.3	797.3	798.3	799.2	800.2	801.2	802.0	802.6	803.3
132.5°	834.9	833.8	832.9	831.9	832.9	833.8	834.9	835.9	836.4	836.5	836.7
135°	882.9	881.7	880.5	879.3	880.5	881.7	882.9	884.1	884.9	885.3	885.7
137.5°	930.1	929.0	928.0	926.9	928.0	929.0	930.1	931.1	931.6	931.5	931.4
140°	958.7	957.4	956.3	955.0	956.3	957.4	958.7	959.8	960.3	959.8	959.5
142.5°	985.3	984.2	982.9	981.8	982.9	984.2	985.3	986.6	987.1	987.0	986.9
145°	1024.5	1023.3	1022.1	1020.9	1022.1	1023.3	1024.5	1025.7	1026.2	1026.0	1025.8
147.5°	1057.5	1056.1	1054.6	1053.2	1054.6	1056.1	1057.5	1059.0	1059.5	1059.4	1059.1
150°	1078.9	1077.3	1075.7	1074.1	1075.7	1077.3	1078.9	1080.5	1081.1	1080.8	1080.3
152.5°	1097.9	1096.4	1095.0	1093.6	1095.0	1096.4	1097.9	1099.4	1099.8	1099.5	1099.0
155°	1124.0	1122.4	1120.8	1119.2	1120.8	1122.4	1124.0	1125.6	1126.1	1125.5	1124.9
157.5°	1145.5	1143.9	1142.3	1140.7	1142.3	1143.9	1145.5	1147.1	1147.5	1146.9	1146.3
160°	1159.2	1157.6	1156.0	1154.4	1156.0	1157.6	1159.2	1160.7	1161.2	1160.4	1159.6
162.5°	1171.9	1170.2	1168.4	1166.6	1168.4	1170.2	1171.9	1173.7	1174.0	1172.9	1171.8
165°	1188.0	1186.4	1184.8	1183.2	1184.8	1186.4	1188.0	1189.6	1189.8	1188.7	1187.4
167.5°	1200.2	1198.4	1196.6	1194.8	1196.6	1198.4	1200.2	1202.0	1202.2	1200.7	1199.3
170°	1206.7	1204.9	1203.1	1201.2	1203.1	1204.9	1206.7	1208.4	1208.6	1207.0	1205.4
172.5°	1211.0	1209.2	1207.4	1205.6	1207.4	1209.2	1211.0	1212.8	1213.0	1211.6	1210.1
175°	1216.6	1214.8	1213.0	1211.2	1213.0	1214.8	1216.6	1218.4	1218.5	1216.9	1215.3
177.5°	1218.3	1217.0	1215.8	1214.4	1215.8	1217.0	1218.3	1219.6	1219.7	1218.5	1217.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	763.1	766.3	770.4	773.4	778.8	781.2	784.3	786.7	791.0	795.0	800.0
5°	711.7	717.5	725.2	733.7	743.5	750.3	759.8	765.5	777.0	787.6	797.7
7.5°	665.0	672.2	683.1	694.0	706.9	718.5	730.4	743.5	758.2	775.6	790.0
10°	633.1	642.6	654.4	668.0	683.6	697.1	713.0	727.3	745.2	765.5	784.5
12.5°	607.6	615.7	629.0	641.9	658.6	675.2	691.6	710.5	731.4	753.9	777.8
15°	572.5	579.3	590.0	608.1	625.0	641.2	665.9	683.6	710.0	735.0	763.8
17.5°	542.4	550.9	560.0	575.4	592.9	613.2	635.3	657.5	682.9	714.7	747.2
20°	524.1	530.8	541.3	553.1	571.8	592.1	613.1	635.4	666.6	699.5	734.4
22.5°	504.0	511.3	523.2	536.1	551.7	571.2	594.4	618.9	651.5	683.8	721.7
25°	480.4	485.4	496.2	507.7	523.3	539.9	564.0	591.1	623.3	660.2	698.8
27.5°	458.1	462.5	472.4	482.4	496.5	516.2	537.7	565.1	595.4	632.8	675.6
30°	442.0	446.8	455.6	466.5	480.0	497.3	519.3	545.0	577.6	614.1	658.9
32.5°	428.2	432.5	439.1	450.0	463.2	479.9	500.3	526.6	559.1	596.3	640.2
35°	406.8	411.5	416.6	425.1	436.7	452.9	475.3	500.0	531.1	567.0	607.3
37.5°	385.6	390.7	395.2	402.8	413.3	427.7	447.0	472.8	501.0	535.6	574.3
40°	372.3	376.3	380.0	388.2	398.7	412.2	430.2	453.3	483.0	515.2	547.4
42.5°	359.0	362.7	366.0	373.0	382.7	395.7	412.9	435.3	463.0	493.0	521.4
45°	338.0	340.5	344.2	350.3	358.0	369.9	386.5	406.5	429.9	458.3	479.7
47.5°	315.4	319.1	322.2	327.5	333.9	345.5	361.5	378.5	399.8	420.9	435.9
50°	298.1	301.8	306.2	311.3	317.4	328.2	342.8	360.1	378.0	394.3	407.2
52.5°	281.9	285.3	290.0	294.8	302.2	311.5	323.9	339.2	356.9	368.5	379.2
55°	257.8	259.5	264.9	269.7	276.8	283.6	296.0	309.6	320.5	329.2	338.0
57.5°	233.2	235.5	238.6	242.9	249.9	257.9	266.6	278.7	285.0	289.5	296.4
60°	217.5	218.1	220.2	225.2	230.7	237.8	248.0	256.5	261.2	264.9	270.6
62.5°	200.1	200.3	203.7	207.4	211.4	219.1	227.4	234.2	238.2	240.0	245.5
65°	175.8	175.1	177.2	180.2	184.9	190.0	197.2	203.2	202.9	204.9	208.3
67.5°	151.0	150.3	150.3	153.2	157.0	161.6	166.5	170.0	170.0	172.7	174.4
70°	134.1	132.2	133.5	135.8	137.5	141.2	146.7	148.0	148.4	149.7	151.4
72.5°	116.8	116.1	117.2	118.2	119.4	122.3	126.9	127.7	127.8	128.6	131.3
75°	92.8	92.1	91.5	92.5	93.8	95.9	97.6	98.9	98.5	98.9	100.9
77.5°	69.6	67.7	67.3	67.9	68.2	69.5	71.2	71.1	71.4	71.3	73.7
80°	55.2	52.5	52.2	52.2	52.5	53.1	53.9	54.6	53.5	54.6	55.2
82.5°	40.6	39.0	38.9	38.6	38.7	38.8	39.2	39.6	39.4	39.9	40.3
85°	22.4	21.7	20.7	21.3	21.0	20.0	20.7	19.6	19.4	19.6	20.0
87.5°	10.7	10.7	9.9	9.6	9.1	9.1	8.2	7.7	7.0	7.0	7.5
90°	15.4	14.4	13.0	11.6	10.3	8.8	7.3	5.7	4.1	2.5	0.9
92.5°	15.4	14.4	13.2	11.9	10.7	9.5	9.4	10.5	11.7	12.8	13.9
95°	15.4	14.4	22.0	29.7	37.3	44.9	49.0	49.6	50.2	50.8	51.4
97.5°	38.7	44.4	59.5	74.5	89.6	104.7	111.6	110.6	109.5	108.4	107.4
100°	127.1	156.9	156.1	155.3	154.5	153.7	153.0	152.4	151.8	151.2	150.6
102.5°	194.6	200.2	199.7	199.2	198.8	198.3	197.7	196.9	196.2	195.4	194.7
105°	268.8	268.8	268.8	268.8	268.8	268.8	268.3	267.5	266.7	265.9	265.1
107.5°	340.2	340.2	339.7	339.4	338.9	338.6	338.4	338.4	338.4	338.4	338.4
110°	387.2	387.8	387.4	387.0	386.6	386.2	386.0	386.0	386.0	386.0	386.0



TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	433.2	434.0	433.7	433.5	433.3	433.0	432.7	432.1	431.7	431.2	430.7
115°	502.4	503.2	503.0	502.8	502.7	502.4	501.9	500.8	499.8	498.8	497.8
117.5°	569.4	570.5	569.7	569.0	568.2	567.5	567.1	567.1	567.2	567.2	567.3
120°	612.0	612.3	611.7	611.2	610.6	609.9	609.8	609.9	610.1	610.4	610.6
122.5°	653.1	653.4	653.2	652.9	652.6	652.4	651.8	651.0	650.3	649.5	648.8
125°	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.1	710.8	709.4	707.9
127.5°	767.9	768.4	768.5	768.7	768.7	768.8	768.4	767.4	766.4	765.4	764.4
130°	803.9	804.4	804.2	804.1	803.9	803.6	803.1	802.0	801.0	800.0	799.1
132.5°	836.8	837.0	837.3	837.8	838.2	838.7	838.3	837.1	836.0	834.8	833.7
135°	886.1	886.5	886.9	887.3	887.7	888.1	887.7	886.5	885.3	884.1	882.9
137.5°	931.3	931.2	931.6	932.0	932.4	932.7	932.4	931.3	930.2	929.3	928.2
140°	959.0	958.7	958.9	959.0	959.3	959.5	959.4	958.9	958.6	958.1	957.8
142.5°	986.9	986.8	986.5	986.2	986.0	985.7	985.4	985.2	985.0	984.7	984.4
145°	1025.6	1025.4	1025.4	1025.4	1025.4	1025.4	1025.2	1024.8	1024.4	1024.0	1023.6
147.5°	1058.8	1058.5	1058.4	1058.1	1057.8	1057.7	1057.6	1057.7	1057.7	1057.8	1057.8
150°	1080.0	1079.5	1079.1	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5
152.5°	1098.7	1098.2	1097.9	1097.5	1097.1	1096.7	1096.9	1097.8	1098.7	1099.6	1100.5
155°	1124.3	1123.7	1123.3	1122.9	1122.5	1122.1	1122.5	1123.7	1124.9	1126.1	1127.3
157.5°	1145.7	1145.0	1145.0	1144.9	1144.9	1144.9	1145.1	1145.9	1146.7	1147.4	1148.1
160°	1158.8	1158.0	1157.8	1157.6	1157.4	1157.2	1157.7	1158.9	1160.1	1161.3	1162.5
162.5°	1170.6	1169.5	1169.3	1169.1	1168.9	1168.7	1169.2	1170.5	1171.6	1172.9	1174.0
165°	1186.2	1185.0	1184.8	1184.6	1184.5	1184.2	1184.7	1186.0	1187.1	1188.4	1189.5
167.5°	1197.8	1196.4	1196.2	1196.0	1195.8	1195.6	1196.1	1197.4	1198.6	1199.9	1201.0
170°	1203.8	1202.2	1201.9	1201.8	1201.6	1201.4	1201.9	1203.4	1204.8	1206.2	1207.6
172.5°	1208.6	1207.2	1206.8	1206.5	1206.1	1205.8	1206.3	1207.7	1209.1	1210.5	1211.9
175°	1213.7	1212.1	1211.9	1211.7	1211.5	1211.3	1211.7	1213.0	1214.2	1215.4	1216.6
177.5°	1216.3	1215.1	1215.0	1214.9	1214.7	1214.5	1215.0	1215.8	1216.8	1217.8	1218.8
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333382-940

CATALOG NUMBER: S125DIW-S610D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	802.5	806.2	808.6	813.2	817.1	819.2	821.1	822.7	824.7	826.3	830.9
5°	807.5	816.4	823.9	835.4	845.9	854.0	862.7	870.6	877.0	886.2	893.2
7.5°	805.3	821.0	837.4	855.2	873.4	890.4	905.9	920.5	933.7	949.7	963.7
10°	803.2	824.5	845.5	869.5	894.3	915.3	935.0	954.9	969.5	989.8	1007.1
12.5°	801.6	826.7	852.0	880.9	908.1	937.7	963.9	978.5	1000.7	1016.9	1037.4
15°	794.7	827.9	862.7	895.3	933.9	961.4	984.4	1012.8	1033.5	1054.2	1076.5
17.5°	782.4	820.0	859.1	901.7	938.7	968.2	997.8	1025.3	1050.0	1077.6	1105.5
20°	776.8	814.3	859.1	902.8	939.0	969.8	1000.3	1030.5	1057.6	1093.1	1125.2
22.5°	764.8	810.3	851.5	894.0	931.4	964.9	999.5	1033.7	1069.7	1109.9	1150.2
25°	743.5	789.6	833.3	875.3	912.9	954.9	991.8	1037.6	1083.6	1136.8	1187.0
27.5°	721.5	765.5	805.6	846.1	890.0	937.5	985.4	1037.3	1097.7	1164.8	1235.6
30°	703.6	745.2	784.2	825.8	871.6	925.1	977.6	1039.3	1109.0	1184.5	1268.5
32.5°	682.7	721.1	759.0	803.1	852.9	909.4	970.5	1038.1	1122.0	1207.9	1294.3
35°	647.0	679.2	718.1	765.2	821.4	886.2	957.0	1036.9	1133.1	1231.6	1304.5
37.5°	604.7	634.6	675.6	727.3	786.2	855.7	939.7	1034.5	1136.7	1215.2	1238.8
40°	576.2	604.0	646.7	700.2	760.5	834.0	926.1	1026.4	1125.2	1175.5	1156.1
42.5°	545.8	575.0	616.6	669.6	734.4	814.5	909.0	1009.3	1092.3	1111.2	1044.5
45°	497.9	528.1	569.1	622.6	692.4	779.1	877.7	968.8	1016.6	982.3	879.0
47.5°	453.4	481.7	519.7	574.9	646.9	736.6	831.5	904.2	908.0	826.3	716.0
50°	423.1	449.2	487.4	542.7	614.1	704.9	790.6	847.8	822.2	729.7	623.7
52.5°	393.2	418.8	456.6	511.2	581.9	665.0	744.8	785.0	736.5	641.6	551.0
55°	350.3	372.6	409.6	460.0	527.1	604.3	672.1	685.9	622.9	529.4	455.9
57.5°	308.3	329.1	362.7	409.2	470.5	539.0	591.9	589.0	522.4	442.1	383.8
60°	279.8	300.1	329.9	375.3	431.2	490.2	535.6	524.7	458.7	389.6	340.5
62.5°	254.3	272.5	300.7	340.4	391.4	445.9	483.2	467.3	402.5	342.1	303.3
65°	216.8	232.0	256.1	290.0	332.3	377.4	406.2	385.5	330.3	283.2	252.0
67.5°	180.9	193.1	213.3	240.4	276.5	312.6	330.2	309.4	265.2	230.9	207.8
70°	158.2	169.1	184.6	208.7	240.1	270.6	283.8	265.2	227.3	197.8	181.2
72.5°	135.5	144.4	158.1	179.7	204.9	231.4	242.9	225.2	193.9	169.1	153.6
75°	104.7	110.8	120.3	135.2	155.2	176.1	182.6	167.0	147.0	128.4	118.2
77.5°	74.9	80.1	87.3	96.7	110.8	124.2	129.8	120.8	105.3	93.5	85.2
80°	57.6	60.3	66.4	74.2	85.3	93.8	97.6	91.8	81.0	72.1	65.7
82.5°	41.0	43.8	47.4	53.9	61.0	66.7	70.7	66.9	59.0	52.1	48.3
85°	20.0	21.7	23.7	26.4	31.8	35.2	34.9	32.5	29.4	26.8	24.7
87.5°	7.6	8.1	9.3	11.0	12.0	13.5	14.3	14.0	13.2	12.6	11.9
90°	2.5	4.1	5.7	7.3	8.8	10.3	11.6	13.0	14.4	15.4	16.4
92.5°	12.8	11.7	10.5	9.4	9.5	10.7	11.9	13.2	14.4	15.4	16.4
95°	50.8	50.2	49.6	49.0	44.9	37.3	29.7	22.0	14.4	15.4	16.4
97.5°	108.4	109.5	110.6	111.6	104.7	89.6	74.5	59.5	44.4	38.7	33.1
100°	151.2	151.8	152.4	153.0	153.7	154.5	155.3	156.1	156.9	127.1	97.2
102.5°	195.4	196.2	196.9	197.7	198.3	198.8	199.2	199.7	200.2	194.6	188.9
105°	265.9	266.7	267.5	268.3	268.8	268.8	268.8	268.8	268.8	268.8	268.8
107.5°	338.4	338.4	338.4	338.4	338.6	338.9	339.4	339.7	340.2	340.2	340.3
110°	386.0	386.0	386.0	386.0	386.2	386.6	387.0	387.4	387.8	387.2	386.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	431.2	431.7	432.1	432.7	433.0	433.3	433.5	433.7	434.0	433.2	432.5
115°	498.8	499.8	500.8	501.9	502.4	502.7	502.8	503.0	503.2	502.4	501.6
117.5°	567.2	567.2	567.1	567.1	567.5	568.2	569.0	569.7	570.5	569.4	568.5
120°	610.4	610.1	609.9	609.8	609.9	610.6	611.2	611.7	612.3	612.0	611.5
122.5°	649.5	650.3	651.0	651.8	652.4	652.6	652.9	653.2	653.4	653.1	652.6
125°	709.4	710.8	712.1	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.7
127.5°	765.4	766.4	767.4	768.4	768.8	768.7	768.7	768.5	768.4	767.9	767.5
130°	800.0	801.0	802.0	803.1	803.6	803.9	804.1	804.2	804.4	803.9	803.3
132.5°	834.8	836.0	837.1	838.3	838.7	838.2	837.8	837.3	837.0	836.8	836.7
135°	884.1	885.3	886.5	887.7	888.1	887.7	887.3	886.9	886.5	886.1	885.7
137.5°	929.3	930.2	931.3	932.4	932.7	932.4	932.0	931.6	931.2	931.3	931.4
140°	958.1	958.6	958.9	959.4	959.5	959.3	959.0	958.9	958.7	959.0	959.5
142.5°	984.7	985.0	985.2	985.4	985.7	986.0	986.2	986.5	986.8	986.9	986.9
145°	1024.0	1024.4	1024.8	1025.2	1025.4	1025.4	1025.4	1025.4	1025.4	1025.6	1025.8
147.5°	1057.8	1057.7	1057.7	1057.6	1057.7	1057.8	1058.1	1058.4	1058.5	1058.8	1059.1
150°	1079.1	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1080.0	1080.3
152.5°	1099.6	1098.7	1097.8	1096.9	1096.7	1097.1	1097.5	1097.9	1098.2	1098.7	1099.0
155°	1126.1	1124.9	1123.7	1122.5	1122.1	1122.5	1122.9	1123.3	1123.7	1124.3	1124.9
157.5°	1147.4	1146.7	1145.9	1145.1	1144.9	1144.9	1144.9	1145.0	1145.0	1145.7	1146.3
160°	1161.3	1160.1	1158.9	1157.7	1157.2	1157.4	1157.6	1157.8	1158.0	1158.8	1159.6
162.5°	1172.9	1171.6	1170.5	1169.2	1168.7	1168.9	1169.1	1169.3	1169.5	1170.6	1171.8
165°	1188.4	1187.1	1186.0	1184.7	1184.2	1184.5	1184.6	1184.8	1185.0	1186.2	1187.4
167.5°	1199.9	1198.6	1197.4	1196.1	1195.6	1195.8	1196.0	1196.2	1196.4	1197.8	1199.3
170°	1206.2	1204.8	1203.4	1201.9	1201.4	1201.6	1201.8	1201.9	1202.2	1203.8	1205.4
172.5°	1210.5	1209.1	1207.7	1206.3	1205.8	1206.1	1206.5	1206.8	1207.2	1208.6	1210.1
175°	1215.4	1214.2	1213.0	1211.7	1211.3	1211.5	1211.7	1211.9	1212.1	1213.7	1215.3
177.5°	1217.8	1216.8	1215.8	1215.0	1214.5	1214.7	1214.9	1215.0	1215.1	1216.3	1217.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	834.6	836.8	841.4	839.8	842.0	843.0	844.2
5°	902.1	912.9	917.7	916.9	924.1	922.4	920.7
7.5°	978.2	989.6	996.0	1003.9	1008.5	1008.8	1012.8
10°	1021.3	1036.2	1042.3	1050.8	1056.2	1059.3	1058.9
12.5°	1054.4	1066.0	1079.7	1083.9	1091.2	1095.0	1093.6
15°	1094.1	1112.8	1126.9	1134.1	1143.3	1145.9	1149.7
17.5°	1129.6	1154.6	1171.3	1193.3	1201.7	1206.8	1203.7
20°	1156.5	1189.3	1205.9	1232.3	1246.9	1254.7	1252.0
22.5°	1188.2	1223.7	1254.5	1277.3	1299.5	1310.0	1312.2
25°	1242.5	1291.3	1336.3	1366.5	1393.9	1400.3	1414.6
27.5°	1303.2	1360.8	1408.9	1440.6	1459.7	1466.9	1471.3
30°	1341.4	1398.6	1434.9	1455.2	1461.3	1460.6	1460.0
32.5°	1360.1	1396.0	1402.9	1397.2	1383.3	1371.5	1359.1
35°	1333.6	1306.9	1266.9	1215.4	1177.5	1139.2	1135.4
37.5°	1199.4	1113.8	1047.3	973.0	930.1	903.7	885.3
40°	1073.1	975.9	895.3	832.6	788.9	771.7	754.7
42.5°	936.0	843.1	771.7	719.3	686.5	667.4	653.9
45°	760.5	678.5	622.6	584.7	558.6	543.7	535.2
47.5°	623.1	562.5	515.1	487.7	469.7	458.1	458.1
50°	549.5	491.5	460.0	438.4	422.8	413.6	415.3
52.5°	484.1	440.9	413.9	395.7	384.2	378.6	378.4
55°	404.8	373.6	356.1	342.8	335.0	328.6	329.9
57.5°	346.3	319.9	308.2	297.2	291.8	289.2	285.5
60°	310.0	289.6	279.5	270.6	265.2	263.2	259.5
62.5°	277.7	261.7	251.8	244.6	239.8	239.1	236.1
65°	233.4	221.2	212.4	209.0	203.9	202.6	202.6
67.5°	192.4	183.7	176.8	173.7	171.5	171.8	170.1
70°	166.7	159.5	155.2	151.8	150.1	150.4	149.0
72.5°	145.8	137.9	134.0	132.0	129.7	130.6	130.1
75°	110.4	106.4	104.3	102.3	100.9	100.2	99.6
77.5°	81.1	77.5	76.0	74.8	75.0	73.4	74.6
80°	62.7	59.7	58.6	56.9	56.5	56.5	56.3
82.5°	45.8	44.1	43.4	42.0	41.4	41.9	41.0
85°	23.7	22.4	22.0	22.0	21.3	20.7	22.4
87.5°	12.1	11.2	11.4	11.3	11.4	11.2	10.8
90°	17.5	18.5	19.3	19.9	20.4	21.0	21.7
92.5°	17.5	18.5	19.1	19.4	19.6	19.9	20.2
95°	17.5	18.5	18.9	18.9	18.9	18.9	18.9
97.5°	27.4	21.8	18.9	18.9	18.9	18.9	18.9
100°	67.3	37.5	22.1	21.3	20.5	19.7	18.9
102.5°	183.2	177.6	168.0	154.4	140.7	127.1	113.4
105°	268.8	268.8	268.7	268.5	268.2	268.0	267.9
107.5°	340.3	340.4	340.1	339.5	338.9	338.2	337.7
110°	386.0	385.4	385.2	385.4	385.6	385.8	386.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	431.7	431.0	430.4	430.2	429.8	429.5	429.3
115°	500.8	500.0	499.0	497.8	496.6	495.4	494.2
117.5°	567.4	566.3	565.5	565.1	564.5	564.0	563.5
120°	611.2	610.7	610.0	609.0	608.1	607.1	606.0
122.5°	652.3	651.8	651.1	650.0	648.8	647.6	646.5
125°	711.9	711.1	710.3	709.8	709.2	708.6	707.9
127.5°	767.0	766.6	765.6	764.2	762.7	761.2	759.7
130°	802.6	802.0	801.2	800.2	799.2	798.3	797.3
132.5°	836.5	836.4	835.9	834.9	833.8	832.9	831.9
135°	885.3	884.9	884.1	882.9	881.7	880.5	879.3
137.5°	931.5	931.6	931.1	930.1	929.0	928.0	926.9
140°	959.8	960.3	959.8	958.7	957.4	956.3	955.0
142.5°	987.0	987.1	986.6	985.3	984.2	982.9	981.8
145°	1026.0	1026.2	1025.7	1024.5	1023.3	1022.1	1020.9
147.5°	1059.4	1059.5	1059.0	1057.5	1056.1	1054.6	1053.2
150°	1080.8	1081.1	1080.5	1078.9	1077.3	1075.7	1074.1
152.5°	1099.5	1099.8	1099.4	1097.9	1096.4	1095.0	1093.6
155°	1125.5	1126.1	1125.6	1124.0	1122.4	1120.8	1119.2
157.5°	1146.9	1147.5	1147.1	1145.5	1143.9	1142.3	1140.7
160°	1160.4	1161.2	1160.7	1159.2	1157.6	1156.0	1154.4
162.5°	1172.9	1174.0	1173.7	1171.9	1170.2	1168.4	1166.6
165°	1188.7	1189.8	1189.6	1188.0	1186.4	1184.8	1183.2
167.5°	1200.7	1202.2	1202.0	1200.2	1198.4	1196.6	1194.8
170°	1207.0	1208.6	1208.4	1206.7	1204.9	1203.1	1201.2
172.5°	1211.6	1213.0	1212.8	1211.0	1209.2	1207.4	1205.6
175°	1216.9	1218.5	1218.4	1216.6	1214.8	1213.0	1211.2
177.5°	1218.5	1219.7	1219.6	1218.3	1217.0	1215.8	1214.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6

(END OF REPORT)