

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: P333352-940

Luminaire Tested: **S125DIW-S375D1050U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333352-940
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-S375D1050U940-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 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: 5108.3 lumens
Efficiency: N/A
Efficacy: 134.4 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

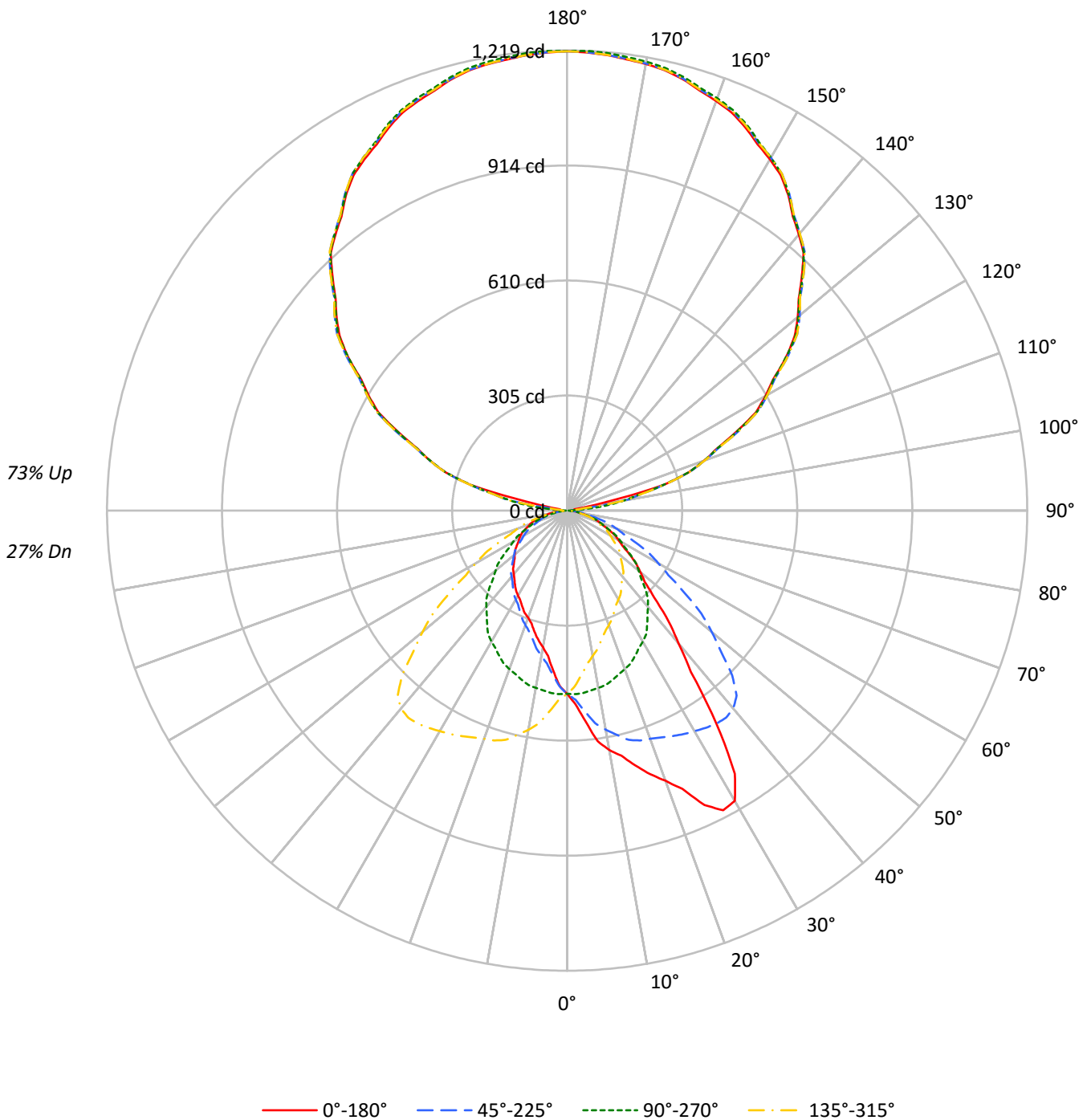
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	73	62	60	58	46	44	43	31	30	30	23
2	84	77	72	67	75	69	64	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	21	16
4	70	60	53	47	63	54	48	43	42	38	34	32	29	26	22	20	19	14
5	65	53	46	40	57	48	41	36	38	33	30	28	25	23	20	18	16	12
6	59	48	40	35	53	43	36	32	34	29	26	26	22	20	18	16	14	11
7	55	43	35	30	49	39	32	28	31	26	22	23	20	17	16	14	13	10
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	15	13	11	9
9	47	35	28	23	42	32	26	21	25	21	18	19	16	14	14	12	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3135	3135	3135	3135
5°	3630	3146	2755	3146
10°	4224	3129	2413	3129
15°	4676	3107	2226	3107
20°	5234	3070	2076	3070
25°	6131	3029	2003	3029
30°	6623	2988	1939	2988
35°	5445	2912	1898	2912
40°	3871	2807	1851	2807
45°	2974	2665	1825	2665
50°	2538	2488	1822	2488
55°	2260	2315	1838	2315
60°	2038	2126	1885	2126
65°	1883	1936	1933	1936
70°	1713	1739	1962	1739
75°	1510	1532	1941	1532
80°	1272	1250	1778	1250
85°	1008	897	1438	897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	0.9
10°-20°	139.1	2.7
20°-30°	225.9	4.4
30°-40°	275.6	5.4
40°-50°	250.7	4.9
50°-60°	199.7	3.9
60°-70°	139.1	2.7
70°-80°	74.2	1.5
80°-90°	21.3	0.4
90°-100°	44.2	0.9
100°-110°	272.5	5.3
110°-120°	494.2	9.7
120°-130°	634.2	12.4
130°-140°	682.1	13.4
140°-150°	640.3	12.5
150°-160°	517.9	10.1
160°-170°	335.0	6.6
170°-180°	115.5	2.3
0°-30°	411.8	8.1
0°-40°	687.4	13.5
0°-60°	1137.8	22.3
0°-90°	1372.4	26.9
90°-120°	810.9	15.9
90°-150°	2767.5	54.2
90°-180°	3736.0	73.1
0°-180°	5108.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	560	485	425	485	560	56
15°	699	465	333	465	699	200
25°	860	425	281	425	860	393
35°	691	369	241	369	691	423
45°	326	292	200	292	326	261
55°	201	206	163	206	201	181
65°	123	127	126	127	123	122
75°	60	61	78	61	60	65
85°	14	12	19	12	14	16
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°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	513.4	512.8	512.1	510.9	511.8	509.0	507.7	505.4	502.6	501.6	500.4
5°	560.0	561.1	562.1	557.8	558.2	555.3	548.7	543.3	539.0	533.4	529.5
7.5°	616.1	613.7	613.4	610.6	605.8	601.9	595.0	586.2	577.7	567.9	559.9
10°	644.1	644.4	642.5	639.2	634.0	630.3	621.3	612.6	602.1	589.7	580.9
12.5°	665.2	666.1	663.7	659.2	656.7	648.5	641.3	631.1	618.6	608.7	595.2
15°	699.3	697.1	695.4	689.8	685.5	676.9	665.6	654.8	641.2	628.7	616.1
17.5°	732.2	734.1	730.9	725.9	712.4	702.3	687.2	672.4	655.5	638.6	623.7
20°	761.5	763.2	758.5	749.6	733.5	723.4	703.5	684.5	664.9	643.3	626.8
22.5°	798.2	796.8	790.4	776.9	763.0	744.4	722.7	699.6	675.1	650.7	628.7
25°	860.4	851.8	847.8	831.2	812.9	785.4	755.8	722.0	691.5	659.2	631.2
27.5°	895.0	892.2	887.9	876.3	857.0	827.7	792.7	751.5	708.6	667.7	631.0
30°	888.1	888.5	888.9	885.2	872.8	850.8	815.9	771.7	720.5	674.6	632.1
32.5°	826.7	834.2	841.4	849.9	853.4	849.1	827.3	787.3	734.7	682.5	631.5
35°	690.6	692.9	716.2	739.3	770.6	795.0	811.2	793.4	749.2	689.2	630.7
37.5°	538.5	549.7	565.8	591.8	637.0	677.5	729.6	753.5	739.2	691.4	629.3
40°	459.1	469.4	479.9	506.5	544.6	593.6	652.7	703.2	715.0	684.5	624.3
42.5°	397.8	405.9	417.6	437.6	469.4	512.8	569.4	635.3	675.9	664.4	613.9
45°	325.6	330.7	339.7	355.6	378.7	412.7	462.5	534.7	597.5	618.3	589.3
47.5°	278.7	278.7	285.7	296.6	313.3	342.1	379.1	435.5	502.7	552.3	550.0
50°	252.6	251.6	257.2	266.6	279.8	299.0	334.2	379.3	443.8	500.1	515.8
52.5°	230.2	230.3	233.7	240.8	251.8	268.1	294.4	335.2	390.2	448.0	477.5
55°	200.7	199.8	203.8	208.5	216.6	227.3	246.2	277.3	322.1	378.9	417.2
57.5°	173.6	175.9	177.5	180.7	187.4	194.7	210.6	233.4	268.9	317.7	358.2
60°	157.8	160.1	161.3	164.6	170.0	176.2	188.5	207.1	236.9	279.0	319.1
62.5°	143.7	145.4	145.9	148.8	153.2	159.2	168.9	184.5	208.1	244.9	284.2
65°	123.2	123.2	124.0	127.2	129.2	134.6	142.0	153.3	172.3	200.9	234.5
67.5°	103.5	104.5	104.3	105.7	107.5	111.7	117.0	126.4	140.4	161.3	188.2
70°	90.7	91.5	91.3	92.3	94.3	97.0	101.4	110.2	120.3	138.2	161.3
72.5°	79.1	79.5	78.9	80.3	81.5	83.8	88.7	93.5	102.8	118.0	137.0
75°	60.5	61.0	61.4	62.2	63.5	64.7	67.1	71.9	78.1	89.4	101.6
77.5°	45.4	44.6	45.7	45.5	46.2	47.2	49.3	51.8	56.9	64.1	73.5
80°	34.2	34.4	34.4	34.6	35.7	36.3	38.1	39.9	43.9	49.2	55.8
82.5°	25.0	25.5	25.1	25.6	26.4	26.8	27.9	29.4	31.7	35.9	40.7
85°	13.6	12.6	13.0	13.4	13.4	13.6	14.4	15.1	16.3	17.9	19.8
87.5°	8.3	8.5	8.6	8.4	8.5	8.3	8.7	8.6	8.8	9.2	9.5
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°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	499.4	498.3	497.0	494.6	491.9	490.4	488.1	486.6	483.7	481.2	478.5
5°	524.8	519.4	514.5	508.1	501.1	496.6	491.2	485.3	479.0	472.7	465.7
7.5°	551.1	541.5	531.3	520.2	509.3	499.4	489.8	480.5	471.8	461.2	452.3
10°	568.6	556.7	543.9	529.0	514.2	501.5	488.6	477.2	465.7	453.3	442.4
12.5°	586.3	570.4	552.3	535.8	518.3	502.8	487.6	473.1	458.6	444.9	432.1
15°	598.8	584.8	568.1	544.6	524.8	503.5	483.4	464.7	447.1	431.9	415.8
17.5°	607.0	588.9	571.0	548.5	522.5	498.8	475.9	454.4	434.7	415.4	399.9
20°	608.4	589.9	571.1	549.1	522.5	495.3	472.4	446.7	425.5	405.5	386.6
22.5°	608.0	586.9	566.5	543.9	517.9	492.8	465.2	439.0	415.9	396.3	376.5
25°	603.3	580.9	555.3	532.4	506.8	480.3	452.3	425.1	401.6	379.2	359.5
27.5°	599.4	570.3	541.4	514.7	490.0	465.7	438.8	411.0	385.0	362.2	343.8
30°	594.7	562.7	530.1	502.3	477.0	453.3	427.9	400.7	373.5	351.3	331.5
32.5°	590.4	553.1	518.8	488.5	461.6	438.6	415.3	389.4	362.7	340.1	320.3
35°	582.1	539.0	499.6	465.5	436.8	413.1	393.5	369.4	344.9	323.1	304.2
37.5°	571.6	520.5	478.2	442.4	411.0	386.0	367.8	349.3	325.7	304.7	287.6
40°	563.3	507.3	462.5	425.9	393.3	367.4	350.4	333.0	313.4	293.8	275.7
42.5°	552.9	495.4	446.7	407.2	375.1	349.7	332.0	317.2	299.9	281.6	264.8
45°	533.9	473.9	421.2	378.7	346.2	321.2	302.9	291.8	278.7	261.4	247.3
47.5°	505.8	448.1	393.5	349.7	316.1	293.0	275.8	265.1	256.0	243.2	230.2
50°	480.9	428.8	373.5	330.1	296.5	273.2	257.3	247.6	239.9	230.0	219.0
52.5°	453.1	404.6	353.9	310.9	277.7	254.8	239.2	230.7	224.2	217.1	206.3
55°	408.8	367.6	320.6	279.8	249.1	226.7	213.0	205.6	200.3	194.9	188.3
57.5°	360.1	327.8	286.2	248.9	220.6	200.2	187.5	180.3	176.1	173.3	169.5
60°	325.7	298.2	262.3	228.3	200.7	182.5	170.2	164.6	161.1	158.9	156.0
62.5°	293.9	271.3	238.1	207.1	182.9	165.8	154.7	149.3	146.0	144.8	142.5
65°	247.1	229.5	202.2	176.4	155.8	141.2	131.9	126.7	124.7	123.4	123.6
67.5°	200.8	190.2	168.2	146.2	129.7	117.5	110.0	106.1	105.0	103.4	103.4
70°	172.6	164.6	146.1	126.9	112.3	102.8	96.2	92.1	91.0	90.2	90.1
72.5°	147.8	140.7	124.7	109.3	96.1	87.8	82.4	79.9	78.2	77.8	77.7
75°	111.0	107.2	94.3	82.2	73.1	67.4	63.7	61.4	60.2	59.9	60.2
77.5°	78.9	75.5	67.4	58.8	53.1	48.7	45.6	44.8	43.4	43.4	43.2
80°	59.3	57.1	51.9	45.1	40.4	36.6	35.0	33.6	33.2	32.5	33.2
82.5°	43.0	40.6	37.1	32.7	28.8	26.7	25.0	24.5	24.3	24.0	24.1
85°	21.2	21.4	19.4	16.1	14.4	13.2	12.1	12.1	11.9	11.8	11.9
87.5°	9.5	9.0	8.0	7.2	6.1	5.3	4.8	4.6	4.5	4.6	5.1
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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	477.1	475.2	473.8	470.5	468.6	466.2	464.2	466.4	464.0	465.0	463.5
5°	462.2	456.4	452.3	446.3	441.1	436.4	432.9	432.3	430.6	429.8	427.3
7.5°	444.3	437.0	430.0	422.1	415.5	408.8	404.6	401.0	398.7	395.6	393.4
10°	433.7	424.0	415.8	406.4	398.1	390.8	385.1	382.2	379.5	375.6	374.2
12.5°	420.7	410.7	400.6	390.5	382.5	374.5	369.6	365.2	363.4	359.0	358.6
15°	405.1	390.0	380.1	369.9	358.9	352.3	348.2	343.5	341.4	338.3	336.1
17.5°	386.5	373.0	360.7	350.0	340.6	335.1	329.9	326.7	323.2	321.1	317.4
20°	372.9	360.2	347.8	336.4	329.2	322.9	318.8	315.7	311.9	310.9	307.2
22.5°	361.6	347.5	335.6	326.1	318.3	311.0	306.6	304.4	301.9	298.7	298.0
25°	343.0	328.4	318.3	308.9	301.8	295.2	292.2	289.5	287.0	284.7	283.9
27.5°	327.1	314.0	302.0	293.5	287.3	281.3	278.7	275.4	273.6	271.7	269.5
30°	315.8	302.5	291.9	283.7	277.1	271.8	268.9	266.6	265.0	263.3	262.1
32.5°	304.3	291.9	281.8	273.7	267.1	263.1	260.5	258.9	257.1	255.1	253.5
35°	289.1	275.4	265.6	258.6	253.4	250.3	247.4	246.0	244.0	244.0	242.3
37.5°	271.9	260.1	251.4	245.0	240.4	237.6	234.5	233.5	232.2	231.3	230.8
40°	261.7	250.7	242.5	236.1	231.2	228.9	226.4	224.8	224.0	222.9	222.6
42.5°	251.1	240.7	232.8	226.9	222.6	220.7	218.4	217.2	215.5	214.2	213.9
45°	235.1	225.0	217.8	213.0	209.4	207.1	205.6	203.1	202.3	200.7	200.5
47.5°	219.9	210.2	203.1	199.2	196.0	194.1	191.9	189.4	188.4	187.6	187.5
50°	208.5	199.7	193.1	189.4	186.3	183.6	181.3	179.7	179.1	179.1	179.5
52.5°	197.0	189.4	183.9	179.3	176.4	173.5	171.4	170.4	169.5	170.5	171.2
55°	180.1	172.5	168.4	164.0	161.1	157.8	156.8	156.4	155.8	157.4	158.3
57.5°	162.2	156.9	152.0	147.8	145.2	143.2	141.9	141.6	142.8	143.6	146.2
60°	150.8	144.6	140.4	137.1	133.9	132.7	132.2	131.9	132.7	134.9	138.5
62.5°	138.3	133.3	128.6	126.2	123.9	121.8	121.7	122.0	123.6	126.3	129.7
65°	119.9	115.6	112.5	109.6	107.7	106.6	106.9	107.7	109.6	113.2	117.0
67.5°	101.2	98.3	95.5	93.2	91.4	91.4	91.8	93.1	95.2	99.2	102.8
70°	89.3	86.0	83.6	82.7	81.1	80.3	81.6	83.6	85.5	89.3	92.3
72.5°	77.2	74.4	72.6	71.9	71.2	70.6	71.1	73.3	75.8	79.5	83.1
75°	59.3	58.3	57.1	56.3	55.6	56.1	56.4	58.5	60.5	64.5	68.6
77.5°	43.3	42.3	41.5	41.3	40.9	41.2	42.4	43.9	45.8	48.7	51.8
80°	32.7	32.4	31.9	31.7	31.7	31.9	33.6	34.6	36.5	39.1	41.6
82.5°	23.9	23.6	23.5	23.5	23.6	23.7	24.7	26.0	27.6	29.6	31.7
85°	12.6	12.1	12.8	13.0	12.6	13.2	13.6	14.4	15.1	16.1	17.1
87.5°	5.6	6.2	6.3	6.8	7.0	7.7	7.7	8.6	9.1	9.6	9.6
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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	462.5	463.7	462.7	464.0	462.7	463.7	462.5	463.5	465.0	464.0	466.4
5°	426.3	424.5	425.7	424.9	425.7	424.5	426.3	427.3	429.8	430.6	432.3
7.5°	392.9	391.1	389.1	388.1	389.1	391.1	392.9	393.4	395.6	398.7	401.0
10°	371.9	369.6	369.4	368.0	369.4	369.6	371.9	374.2	375.6	379.5	382.2
12.5°	356.6	354.5	352.1	351.5	352.1	354.5	356.6	358.6	359.0	363.4	365.2
15°	334.8	333.1	331.7	333.0	331.7	333.1	334.8	336.1	338.3	341.4	343.5
17.5°	316.7	315.4	315.1	313.6	315.1	315.4	316.7	317.4	321.1	323.2	326.7
20°	305.3	304.3	304.8	302.0	304.8	304.3	305.3	307.2	310.9	311.9	315.7
22.5°	296.3	294.3	294.0	293.5	294.0	294.3	296.3	298.0	298.7	301.9	304.4
25°	282.0	281.1	280.0	281.1	280.0	281.1	282.0	283.9	284.7	287.0	289.5
27.5°	269.7	268.4	268.1	268.3	268.1	268.4	269.7	269.5	271.7	273.6	275.4
30°	262.1	260.0	260.2	260.0	260.2	260.0	262.1	262.1	263.3	265.0	266.6
32.5°	253.9	252.4	252.2	251.8	252.2	252.4	253.9	253.5	255.1	257.1	258.9
35°	241.7	241.7	240.7	240.7	240.7	241.7	241.7	242.3	244.0	244.0	246.0
37.5°	230.2	230.1	229.4	229.5	229.4	230.1	230.2	230.8	231.3	232.2	233.5
40°	221.7	221.5	220.9	219.6	220.9	221.5	221.7	222.6	222.9	224.0	224.8
42.5°	213.5	212.8	212.5	212.0	212.5	212.8	213.5	213.9	214.2	215.5	217.2
45°	200.5	200.5	200.1	199.8	200.1	200.5	200.5	200.5	200.7	202.3	203.1
47.5°	187.9	188.2	189.0	188.9	189.0	188.2	187.9	187.5	187.6	188.4	189.4
50°	180.3	180.5	181.1	181.3	181.1	180.5	180.3	179.5	179.1	179.1	179.7
52.5°	171.9	173.1	173.9	173.7	173.9	173.1	171.9	171.2	170.5	169.5	170.4
55°	160.1	161.6	163.0	163.2	163.0	161.6	160.1	158.3	157.4	155.8	156.4
57.5°	148.5	150.4	151.9	152.5	151.9	150.4	148.5	146.2	143.6	142.8	141.6
60°	140.5	143.2	145.1	145.9	145.1	143.2	140.5	138.5	134.9	132.7	131.9
62.5°	133.0	136.0	137.8	137.9	137.8	136.0	133.0	129.7	126.3	123.6	122.0
65°	120.6	123.6	125.3	126.5	125.3	123.6	120.6	117.0	113.2	109.6	107.7
67.5°	107.2	110.3	112.1	113.1	112.1	110.3	107.2	102.8	99.2	95.2	93.1
70°	97.5	100.6	103.0	103.9	103.0	100.6	97.5	92.3	89.3	85.5	83.6
72.5°	87.9	90.7	92.6	93.6	92.6	90.7	87.9	83.1	79.5	75.8	73.3
75°	71.2	75.0	76.9	77.8	76.9	75.0	71.2	68.6	64.5	60.5	58.5
77.5°	54.9	58.3	59.5	60.0	59.5	58.3	54.9	51.8	48.7	45.8	43.9
80°	44.1	46.2	47.6	47.8	47.6	46.2	44.1	41.6	39.1	36.5	34.6
82.5°	33.9	35.6	36.0	36.6	36.0	35.6	33.9	31.7	29.6	27.6	26.0
85°	18.5	19.4	19.6	19.4	19.6	19.4	18.5	17.1	16.1	15.1	14.4
87.5°	10.1	10.0	10.2	10.6	10.2	10.0	10.1	9.6	9.6	9.1	8.6
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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	464.2	466.2	468.6	470.5	473.8	475.2	477.1	478.5	481.2	483.7	486.6
5°	432.9	436.4	441.1	446.3	452.3	456.4	462.2	465.7	472.7	479.0	485.3
7.5°	404.6	408.8	415.5	422.1	430.0	437.0	444.3	452.3	461.2	471.8	480.5
10°	385.1	390.8	398.1	406.4	415.8	424.0	433.7	442.4	453.3	465.7	477.2
12.5°	369.6	374.5	382.5	390.5	400.6	410.7	420.7	432.1	444.9	458.6	473.1
15°	348.2	352.3	358.9	369.9	380.1	390.0	405.1	415.8	431.9	447.1	464.7
17.5°	329.9	335.1	340.6	350.0	360.7	373.0	386.5	399.9	415.4	434.7	454.4
20°	318.8	322.9	329.2	336.4	347.8	360.2	372.9	386.6	405.5	425.5	446.7
22.5°	306.6	311.0	318.3	326.1	335.6	347.5	361.6	376.5	396.3	415.9	439.0
25°	292.2	295.2	301.8	308.9	318.3	328.4	343.0	359.5	379.2	401.6	425.1
27.5°	278.7	281.3	287.3	293.5	302.0	314.0	327.1	343.8	362.2	385.0	411.0
30°	268.9	271.8	277.1	283.7	291.9	302.5	315.8	331.5	351.3	373.5	400.7
32.5°	260.5	263.1	267.1	273.7	281.8	291.9	304.3	320.3	340.1	362.7	389.4
35°	247.4	250.3	253.4	258.6	265.6	275.4	289.1	304.2	323.1	344.9	369.4
37.5°	234.5	237.6	240.4	245.0	251.4	260.1	271.9	287.6	304.7	325.7	349.3
40°	226.4	228.9	231.2	236.1	242.5	250.7	261.7	275.7	293.8	313.4	333.0
42.5°	218.4	220.7	222.6	226.9	232.8	240.7	251.1	264.8	281.6	299.9	317.2
45°	205.6	207.1	209.4	213.0	217.8	225.0	235.1	247.3	261.4	278.7	291.8
47.5°	191.9	194.1	196.0	199.2	203.1	210.2	219.9	230.2	243.2	256.0	265.1
50°	181.3	183.6	186.3	189.4	193.1	199.7	208.5	219.0	230.0	239.9	247.6
52.5°	171.4	173.5	176.4	179.3	183.9	189.4	197.0	206.3	217.1	224.2	230.7
55°	156.8	157.8	161.1	164.0	168.4	172.5	180.1	188.3	194.9	200.3	205.6
57.5°	141.9	143.2	145.2	147.8	152.0	156.9	162.2	169.5	173.3	176.1	180.3
60°	132.2	132.7	133.9	137.1	140.4	144.6	150.8	156.0	158.9	161.1	164.6
62.5°	121.7	121.8	123.9	126.2	128.6	133.3	138.3	142.5	144.8	146.0	149.3
65°	106.9	106.6	107.7	109.6	112.5	115.6	119.9	123.6	123.4	124.7	126.7
67.5°	91.8	91.4	91.4	93.2	95.5	98.3	101.2	103.4	103.4	105.0	106.1
70°	81.6	80.3	81.1	82.7	83.6	86.0	89.3	90.1	90.2	91.0	92.1
72.5°	71.1	70.6	71.2	71.9	72.6	74.4	77.2	77.7	77.8	78.2	79.9
75°	56.4	56.1	55.6	56.3	57.1	58.3	59.3	60.2	59.9	60.2	61.4
77.5°	42.4	41.2	40.9	41.3	41.5	42.3	43.3	43.2	43.4	43.4	44.8
80°	33.6	31.9	31.7	31.7	31.9	32.4	32.7	33.2	32.5	33.2	33.6
82.5°	24.7	23.7	23.6	23.5	23.5	23.6	23.9	24.1	24.0	24.3	24.5
85°	13.6	13.2	12.6	13.0	12.8	12.1	12.6	11.9	11.8	11.9	12.1
87.5°	7.7	7.7	7.0	6.8	6.3	6.2	5.6	5.1	4.6	4.5	4.6
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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-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: P333352-940

CATALOG NUMBER: S125DIW-S375D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	488.1	490.4	491.9	494.6	497.0	498.3	499.4	500.4	501.6	502.6	505.4
5°	491.2	496.6	501.1	508.1	514.5	519.4	524.8	529.5	533.4	539.0	543.3
7.5°	489.8	499.4	509.3	520.2	531.3	541.5	551.1	559.9	567.9	577.7	586.2
10°	488.6	501.5	514.2	529.0	543.9	556.7	568.6	580.9	589.7	602.1	612.6
12.5°	487.6	502.8	518.3	535.8	552.3	570.4	586.3	595.2	608.7	618.6	631.1
15°	483.4	503.5	524.8	544.6	568.1	584.8	598.8	616.1	628.7	641.2	654.8
17.5°	475.9	498.8	522.5	548.5	571.0	588.9	607.0	623.7	638.6	655.5	672.4
20°	472.4	495.3	522.5	549.1	571.1	589.9	608.4	626.8	643.3	664.9	684.5
22.5°	465.2	492.8	517.9	543.9	566.5	586.9	608.0	628.7	650.7	675.1	699.6
25°	452.3	480.3	506.8	532.4	555.3	580.9	603.3	631.2	659.2	691.5	722.0
27.5°	438.8	465.7	490.0	514.7	541.4	570.3	599.4	631.0	667.7	708.6	751.5
30°	427.9	453.3	477.0	502.3	530.1	562.7	594.7	632.1	674.6	720.5	771.7
32.5°	415.3	438.6	461.6	488.5	518.8	553.1	590.4	631.5	682.5	734.7	787.3
35°	393.5	413.1	436.8	465.5	499.6	539.0	582.1	630.7	689.2	749.2	793.4
37.5°	367.8	386.0	411.0	442.4	478.2	520.5	571.6	629.3	691.4	739.2	753.5
40°	350.4	367.4	393.3	425.9	462.5	507.3	563.3	624.3	684.5	715.0	703.2
42.5°	332.0	349.7	375.1	407.2	446.7	495.4	552.9	613.9	664.4	675.9	635.3
45°	302.9	321.2	346.2	378.7	421.2	473.9	533.9	589.3	618.3	597.5	534.7
47.5°	275.8	293.0	316.1	349.7	393.5	448.1	505.8	550.0	552.3	502.7	435.5
50°	257.3	273.2	296.5	330.1	373.5	428.8	480.9	515.8	500.1	443.8	379.3
52.5°	239.2	254.8	277.7	310.9	353.9	404.6	453.1	477.5	448.0	390.2	335.2
55°	213.0	226.7	249.1	279.8	320.6	367.6	408.8	417.2	378.9	322.1	277.3
57.5°	187.5	200.2	220.6	248.9	286.2	327.8	360.1	358.2	317.7	268.9	233.4
60°	170.2	182.5	200.7	228.3	262.3	298.2	325.7	319.1	279.0	236.9	207.1
62.5°	154.7	165.8	182.9	207.1	238.1	271.3	293.9	284.2	244.9	208.1	184.5
65°	131.9	141.2	155.8	176.4	202.2	229.5	247.1	234.5	200.9	172.3	153.3
67.5°	110.0	117.5	129.7	146.2	168.2	190.2	200.8	188.2	161.3	140.4	126.4
70°	96.2	102.8	112.3	126.9	146.1	164.6	172.6	161.3	138.2	120.3	110.2
72.5°	82.4	87.8	96.1	109.3	124.7	140.7	147.8	137.0	118.0	102.8	93.5
75°	63.7	67.4	73.1	82.2	94.3	107.2	111.0	101.6	89.4	78.1	71.9
77.5°	45.6	48.7	53.1	58.8	67.4	75.5	78.9	73.5	64.1	56.9	51.8
80°	35.0	36.6	40.4	45.1	51.9	57.1	59.3	55.8	49.2	43.9	39.9
82.5°	25.0	26.7	28.8	32.7	37.1	40.6	43.0	40.7	35.9	31.7	29.4
85°	12.1	13.2	14.4	16.1	19.4	21.4	21.2	19.8	17.9	16.3	15.1
87.5°	4.8	5.3	6.1	7.2	8.0	9.0	9.5	9.5	9.2	8.8	8.6
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°	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	507.7	509.0	511.8	510.9	512.1	512.8	513.4
5°	548.7	555.3	558.2	557.8	562.1	561.1	560.0
7.5°	595.0	601.9	605.8	610.6	613.4	613.7	616.1
10°	621.3	630.3	634.0	639.2	642.5	644.4	644.1
12.5°	641.3	648.5	656.7	659.2	663.7	666.1	665.2
15°	665.6	676.9	685.5	689.8	695.4	697.1	699.3
17.5°	687.2	702.3	712.4	725.9	730.9	734.1	732.2
20°	703.5	723.4	733.5	749.6	758.5	763.2	761.5
22.5°	722.7	744.4	763.0	776.9	790.4	796.8	798.2
25°	755.8	785.4	812.9	831.2	847.8	851.8	860.4
27.5°	792.7	827.7	857.0	876.3	887.9	892.2	895.0
30°	815.9	850.8	872.8	885.2	888.9	888.5	888.1
32.5°	827.3	849.1	853.4	849.9	841.4	834.2	826.7
35°	811.2	795.0	770.6	739.3	716.2	692.9	690.6
37.5°	729.6	677.5	637.0	591.8	565.8	549.7	538.5
40°	652.7	593.6	544.6	506.5	479.9	469.4	459.1
42.5°	569.4	512.8	469.4	437.6	417.6	405.9	397.8
45°	462.5	412.7	378.7	355.6	339.7	330.7	325.6
47.5°	379.1	342.1	313.3	296.6	285.7	278.7	278.7
50°	334.2	299.0	279.8	266.6	257.2	251.6	252.6
52.5°	294.4	268.1	251.8	240.8	233.7	230.3	230.2
55°	246.2	227.3	216.6	208.5	203.8	199.8	200.7
57.5°	210.6	194.7	187.4	180.7	177.5	175.9	173.6
60°	188.5	176.2	170.0	164.6	161.3	160.1	157.8
62.5°	168.9	159.2	153.2	148.8	145.9	145.4	143.7
65°	142.0	134.6	129.2	127.2	124.0	123.2	123.2
67.5°	117.0	111.7	107.5	105.7	104.3	104.5	103.5
70°	101.4	97.0	94.3	92.3	91.3	91.5	90.7
72.5°	88.7	83.8	81.5	80.3	78.9	79.5	79.1
75°	67.1	64.7	63.5	62.2	61.4	61.0	60.5
77.5°	49.3	47.2	46.2	45.5	45.7	44.6	45.4
80°	38.1	36.3	35.7	34.6	34.4	34.4	34.2
82.5°	27.9	26.8	26.4	25.6	25.1	25.5	25.0
85°	14.4	13.6	13.4	13.4	13.0	12.6	13.6
87.5°	8.7	8.3	8.5	8.4	8.6	8.5	8.3
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)