

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: P333648-830

Luminaire Tested: **S125RDIW-S375D1050U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333648-830
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: S125RDIW-S375D1050U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5326.1 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

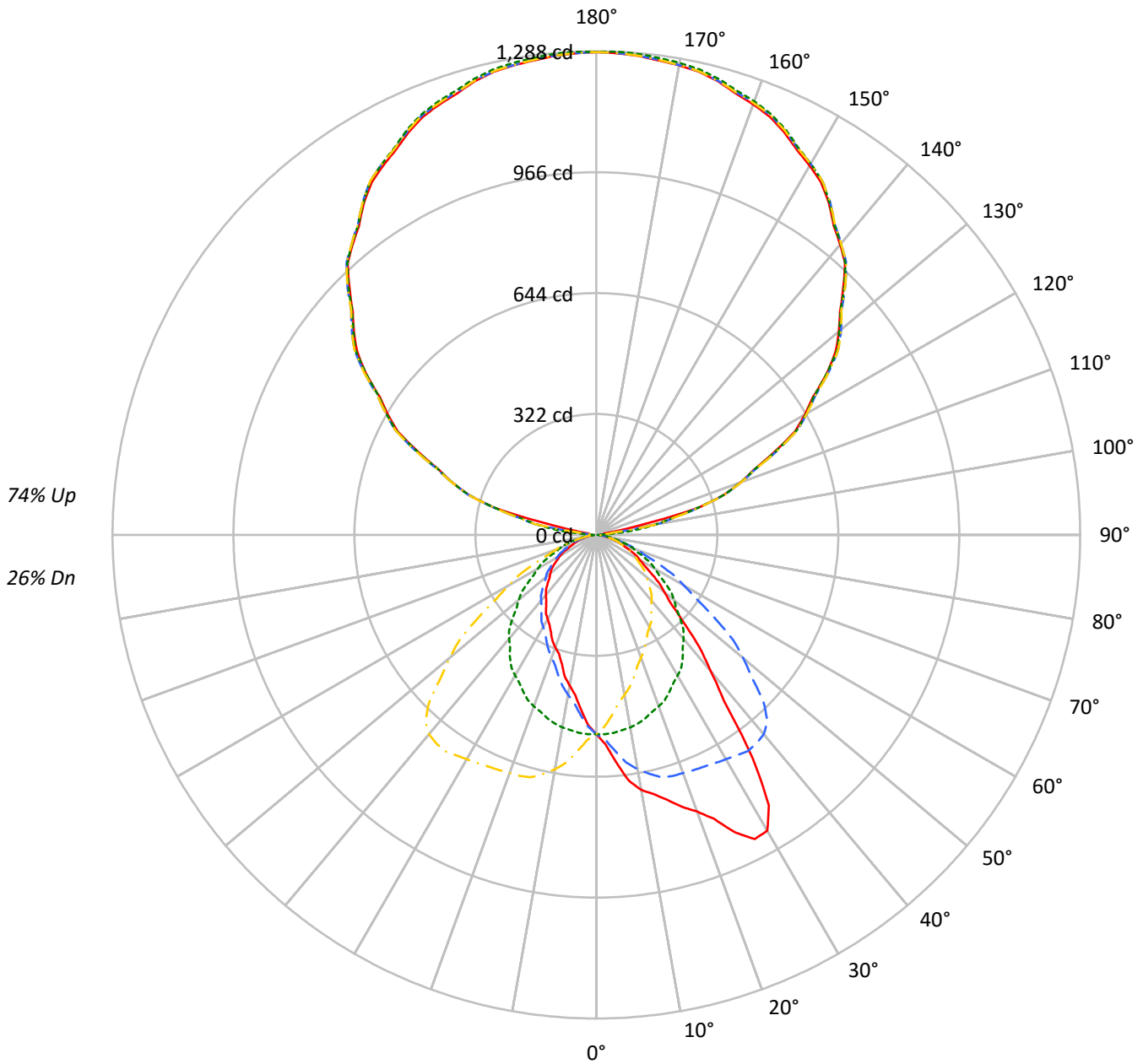
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	51	48	44	40	35	33	31	24	22	21	16
4	70	60	53	47	63	54	48	43	42	38	34	32	29	26	21	20	18	14
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	18	16	12
6	59	48	40	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	23	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3427	3427	3427	3427
5°	3942	3431	3030	3431
10°	4522	3413	2674	3413
15°	4884	3379	2376	3379
20°	5386	3338	2194	3338
25°	6233	3284	2037	3284
30°	6783	3227	1933	3227
35°	5722	3162	1837	3162
40°	3995	3043	1755	3043
45°	2964	2883	1675	2883
50°	2364	2716	1607	2716
55°	2005	2509	1545	2509
60°	1732	2324	1447	2324
65°	1543	2123	1244	2123
70°	1358	1945	1135	1945
75°	1173	1684	1065	1684
80°	889	1417	889	1417
85°	741	1112	837	1112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	1.0
10°-20°	149.1	2.8
20°-30°	236.4	4.4
30°-40°	285.1	5.4
40°-50°	254.6	4.8
50°-60°	195.2	3.7
60°-70°	126.9	2.4
70°-80°	61.7	1.2
80°-90°	17.4	0.3
90°-100°	46.7	0.9
100°-110°	288.0	5.4
110°-120°	522.3	9.8
120°-130°	670.4	12.6
130°-140°	721.0	13.5
140°-150°	676.8	12.7
150°-160°	547.5	10.3
160°-170°	354.1	6.6
170°-180°	122.1	2.3
0°-30°	436.4	8.2
0°-40°	721.4	13.5
0°-60°	1171.3	22.0
0°-90°	1377.2	25.9
90°-120°	857.1	16.1
90°-150°	2925.3	54.9
90°-180°	3949.0	74.1
0°-180°	5326.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	531	531	531	531	531	
5°	608	529	467	529	608	61
15°	730	505	355	505	730	209
25°	875	461	286	461	875	402
35°	726	401	233	401	726	438
45°	324	316	183	316	324	259
55°	178	223	137	223	178	162
65°	101	139	81	139	101	101
75°	47	68	43	68	47	50
85°	10	15	11	15	10	12
90°	23	1	23	1	23	10
95°	20	54	20	54	20	17
105°	283	280	283	280	283	256
115°	522	526	522	526	522	519
125°	748	748	748	748	748	666
135°	929	933	929	933	929	717
145°	1079	1082	1079	1082	1079	674
155°	1183	1192	1183	1192	1183	545
165°	1251	1257	1251	1257	1251	353
175°	1280	1286	1280	1286	1280	122
180°	1286	1286	1286	1286	1286	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	558.1	557.7	558.5	556.5	556.7	553.7	553.7	551.5	548.5	546.2	545.2
5°	608.0	608.5	607.7	604.4	602.2	598.9	595.2	588.7	583.2	578.0	573.9
7.5°	659.6	659.9	657.0	656.0	650.4	646.5	638.3	629.3	621.5	611.4	603.8
10°	689.6	689.3	686.3	683.8	679.1	673.0	664.9	654.5	644.7	633.8	623.3
12.5°	706.9	706.3	705.4	702.5	698.0	692.7	685.8	675.5	663.5	651.6	639.3
15°	730.5	729.0	726.1	722.4	716.0	709.7	702.2	693.1	681.5	668.0	656.7
17.5°	759.6	759.6	755.3	750.1	741.5	730.4	718.6	703.9	688.2	673.4	661.3
20°	783.6	783.0	778.6	768.5	758.7	744.8	731.3	713.2	694.1	674.7	659.7
22.5°	818.1	816.4	811.9	798.7	783.5	765.5	744.9	722.8	699.6	677.7	657.9
25°	874.7	873.4	864.4	849.1	827.8	800.1	773.2	742.9	709.5	680.6	656.7
27.5°	913.3	911.9	905.2	892.6	872.9	843.8	807.3	766.8	725.2	685.3	650.8
30°	909.5	912.8	911.9	906.0	891.2	865.1	831.3	785.8	736.3	689.6	648.4
32.5°	854.8	857.7	865.3	876.9	877.8	867.3	842.1	800.0	748.9	695.6	646.4
35°	725.7	729.6	744.4	767.7	798.2	823.7	828.9	806.3	760.3	703.0	643.6
37.5°	557.9	579.3	591.8	616.3	662.4	709.3	754.3	770.9	751.4	699.9	638.9
40°	473.9	479.1	501.3	529.0	567.8	616.5	680.8	727.2	728.7	693.1	631.6
42.5°	405.6	412.3	427.4	449.6	482.8	531.5	597.9	659.1	687.4	673.8	622.0
45°	324.5	329.5	340.6	357.6	383.0	423.4	480.4	551.2	607.4	629.4	596.3
47.5°	266.6	269.3	278.9	291.9	310.8	340.1	384.3	445.7	513.1	560.3	555.7
50°	235.3	238.3	245.6	255.4	271.4	296.1	331.5	382.7	452.1	509.8	521.4
52.5°	210.8	213.4	218.0	227.2	240.3	259.4	287.9	334.2	396.7	458.1	484.8
55°	178.1	179.9	183.6	188.8	199.3	213.0	237.6	269.7	320.2	382.0	421.2
57.5°	151.3	152.1	154.5	159.3	166.5	176.5	194.4	221.4	257.7	313.4	356.7
60°	134.1	135.1	138.1	141.4	147.0	156.2	170.1	189.1	223.9	269.8	313.6
62.5°	120.6	121.1	122.4	125.6	130.6	137.7	148.6	164.1	191.8	232.2	273.5
65°	101.0	101.2	101.7	104.3	107.4	112.6	119.8	130.6	151.6	182.1	218.7
67.5°	82.3	82.7	84.2	85.1	88.2	91.0	95.2	103.5	118.3	138.8	167.3
70°	71.9	71.6	73.1	74.3	75.3	78.6	81.4	88.2	97.4	113.0	136.8
72.5°	62.1	61.5	62.2	62.6	64.0	66.3	69.1	73.2	80.3	91.0	109.2
75°	47.0	47.2	47.2	47.7	48.8	49.7	50.5	52.7	56.6	63.8	73.6
77.5°	33.0	32.7	33.6	33.7	34.4	35.3	36.1	36.9	38.5	41.5	46.6
80°	23.9	23.9	24.1	24.8	24.6	25.1	26.1	27.1	28.9	30.7	32.4
82.5°	18.4	18.2	18.4	18.6	18.5	18.9	19.3	19.5	20.3	21.1	22.3
85°	10.0	10.0	10.3	10.3	10.5	10.5	10.7	10.7	10.7	10.9	11.1
87.5°	8.4	8.1	7.8	7.6	7.7	7.9	7.5	7.2	6.9	6.7	6.6
90°	22.9	22.2	21.6	21.0	20.4	19.5	18.5	17.3	16.3	15.3	13.8
92.5°	21.4	21.0	20.7	20.5	20.2	19.5	18.5	17.3	16.3	15.3	13.9
95°	20.0	20.0	20.0	20.0	20.0	19.5	18.5	17.3	16.3	15.3	23.3
97.5°	20.0	20.0	20.0	20.0	20.0	23.0	28.9	35.0	40.9	46.9	62.9
100°	20.0	20.8	21.7	22.5	23.4	39.6	71.2	102.7	134.3	165.9	165.0
102.5°	119.9	134.3	148.7	163.2	177.6	187.8	193.7	199.6	205.7	211.6	211.1
105°	283.1	283.3	283.5	283.8	284.0	284.1	284.1	284.1	284.1	284.1	284.1
107.5°	356.9	357.5	358.2	358.8	359.5	359.8	359.7	359.7	359.6	359.6	359.1
110°	408.0	407.7	407.6	407.4	407.2	407.4	408.0	408.6	409.3	409.9	409.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	453.7	454.0	454.3	454.7	455.0	455.5	456.3	457.1	457.9	458.7	458.5
115°	522.4	523.7	524.9	526.2	527.4	528.5	529.3	530.2	531.0	531.9	531.7
117.5°	595.6	596.2	596.7	597.3	597.8	598.6	599.7	600.9	601.9	603.0	602.2
120°	640.6	641.7	642.7	643.8	644.8	645.5	646.0	646.4	646.9	647.2	646.6
122.5°	683.3	684.6	685.8	687.0	688.2	689.0	689.5	689.8	690.3	690.7	690.4
125°	748.3	748.9	749.6	750.3	750.8	751.6	752.4	753.3	754.1	755.0	755.0
127.5°	803.0	804.6	806.2	807.8	809.3	810.3	810.8	811.2	811.7	812.2	812.3
130°	842.7	843.8	844.8	845.8	846.9	847.7	848.4	849.0	849.7	850.3	850.1
132.5°	879.3	880.3	881.4	882.5	883.5	884.1	884.2	884.4	884.5	884.7	885.0
135°	929.4	930.7	932.0	933.2	934.5	935.4	935.8	936.2	936.6	937.1	937.5
137.5°	979.8	980.9	981.9	983.1	984.2	984.7	984.6	984.5	984.4	984.3	984.7
140°	1009.5	1010.8	1012.0	1013.3	1014.6	1015.0	1014.6	1014.2	1013.7	1013.3	1013.5
142.5°	1037.7	1039.0	1040.3	1041.5	1042.8	1043.4	1043.3	1043.2	1043.1	1043.0	1042.7
145°	1079.1	1080.3	1081.7	1082.9	1084.2	1084.7	1084.5	1084.3	1084.1	1083.8	1083.8
147.5°	1113.2	1114.7	1116.3	1117.8	1119.4	1119.9	1119.7	1119.5	1119.2	1118.9	1118.7
150°	1135.3	1137.0	1138.7	1140.4	1142.1	1142.7	1142.4	1141.9	1141.5	1141.0	1140.7
152.5°	1155.9	1157.4	1159.0	1160.5	1162.1	1162.5	1162.2	1161.7	1161.3	1160.8	1160.5
155°	1183.0	1184.7	1186.4	1188.1	1189.8	1190.3	1189.7	1189.0	1188.4	1187.8	1187.3
157.5°	1205.7	1207.4	1209.1	1210.8	1212.5	1213.0	1212.3	1211.6	1211.0	1210.2	1210.2
160°	1220.2	1221.9	1223.6	1225.3	1226.9	1227.4	1226.5	1225.7	1224.8	1224.0	1223.8
162.5°	1233.1	1235.0	1236.9	1238.7	1240.6	1241.0	1239.7	1238.6	1237.4	1236.1	1236.0
165°	1250.7	1252.4	1254.1	1255.7	1257.4	1257.6	1256.4	1255.1	1253.9	1252.5	1252.4
167.5°	1262.9	1264.8	1266.7	1268.6	1270.5	1270.7	1269.1	1267.6	1266.1	1264.6	1264.4
170°	1269.7	1271.7	1273.6	1275.4	1277.3	1277.5	1275.8	1274.1	1272.4	1270.7	1270.5
172.5°	1274.3	1276.2	1278.1	1280.1	1282.0	1282.1	1280.6	1279.1	1277.5	1276.0	1275.6
175°	1280.3	1282.1	1284.0	1285.9	1287.9	1288.0	1286.3	1284.6	1282.9	1281.2	1281.0
177.5°	1283.6	1285.1	1286.4	1287.7	1289.1	1289.2	1288.0	1286.8	1285.6	1284.4	1284.2
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	545.2	543.9	541.7	539.6	537.0	534.7	533.1	531.2	528.8	525.8	523.4
5°	569.3	564.5	558.2	552.7	545.7	540.4	534.7	529.2	523.8	516.8	510.7
7.5°	596.1	586.2	576.6	564.4	553.5	543.7	534.2	524.7	515.4	505.5	496.0
10°	612.5	600.4	587.2	571.9	558.0	544.7	532.5	520.5	507.8	496.8	484.8
12.5°	627.7	612.3	597.1	577.9	561.1	544.9	529.3	514.4	501.0	486.5	473.6
15°	641.6	626.3	609.4	585.9	562.5	542.9	524.6	505.3	488.5	472.4	458.0
17.5°	647.0	630.9	611.2	588.6	563.2	538.5	514.9	493.7	473.9	455.2	439.0
20°	644.9	629.4	609.2	587.6	560.3	534.7	509.2	485.7	463.6	443.8	426.7
22.5°	639.8	623.9	604.3	581.5	555.6	528.4	501.1	476.1	453.1	432.5	413.8
25°	632.3	610.5	590.4	568.2	543.6	516.6	488.5	460.8	436.2	415.3	394.8
27.5°	624.3	597.2	571.7	549.6	523.6	499.5	472.4	444.0	418.2	396.9	375.9
30°	617.2	586.7	558.6	533.6	509.0	486.1	460.4	432.7	406.1	384.2	362.9
32.5°	608.3	575.9	545.1	516.1	492.4	469.8	446.5	420.0	394.2	371.5	349.8
35°	597.2	555.8	522.3	491.5	465.2	443.2	422.3	401.0	375.0	351.5	330.4
37.5°	582.6	535.6	496.8	463.4	435.5	413.5	396.9	377.4	353.7	331.3	311.7
40°	573.6	520.9	478.5	445.4	416.2	392.9	377.4	360.9	339.3	318.2	298.6
42.5°	561.8	507.6	460.1	425.6	396.2	373.7	358.1	343.7	325.6	305.7	284.6
45°	538.6	481.5	431.7	394.6	365.0	343.0	328.4	315.6	301.9	283.5	265.2
47.5°	508.4	454.4	402.2	361.7	332.8	312.4	298.2	288.0	278.2	262.7	245.0
50°	484.2	432.1	381.2	342.0	311.0	291.6	278.3	270.3	261.4	247.2	232.3
52.5°	455.5	409.1	359.2	319.1	289.9	271.7	259.0	250.9	243.6	232.1	217.9
55°	410.6	369.8	324.0	287.7	260.9	242.6	230.5	222.8	218.5	208.7	197.6
57.5°	358.5	329.4	289.1	254.0	230.3	212.3	203.3	196.8	191.9	184.9	177.1
60°	322.3	301.9	265.7	232.3	210.6	193.4	185.3	179.9	175.3	169.5	163.3
62.5°	285.6	270.7	239.2	210.6	190.6	176.2	168.6	163.7	158.4	154.5	148.5
65°	236.3	223.0	201.2	178.8	160.3	148.7	143.3	138.9	135.7	131.3	127.1
67.5°	183.8	178.4	163.3	147.9	134.6	124.3	119.6	116.6	112.7	110.1	107.3
70°	151.6	148.9	138.3	128.1	115.6	108.7	104.3	103.0	98.2	95.6	93.7
72.5°	123.0	121.8	115.6	108.6	99.8	93.7	89.7	88.2	85.1	83.0	81.8
75°	84.3	84.7	83.6	79.1	75.8	71.9	68.4	67.5	65.3	63.6	62.5
77.5°	53.3	55.5	55.6	55.4	54.1	51.7	50.2	49.6	47.5	46.8	46.6
80°	36.6	39.0	41.2	40.9	40.5	39.9	38.7	38.1	37.0	36.4	35.9
82.5°	24.4	26.6	28.5	29.6	29.5	28.8	28.2	27.8	27.6	27.1	27.1
85°	11.5	12.0	12.6	14.1	15.3	15.5	15.3	15.0	14.4	14.6	14.8
87.5°	6.5	6.1	6.0	5.7	5.2	5.7	5.9	5.7	5.7	5.7	5.7
90°	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9	2.6	4.3	6.0
92.5°	12.6	11.3	10.0	9.9	11.1	12.3	13.5	14.7	13.5	12.3	11.1
95°	31.4	39.4	47.4	51.8	52.4	53.1	53.7	54.3	53.7	53.1	52.4
97.5°	78.8	94.7	110.7	118.0	116.9	115.7	114.6	113.5	114.6	115.7	116.9
100°	164.2	163.3	162.5	161.7	161.1	160.4	159.9	159.2	159.9	160.4	161.1
102.5°	210.6	210.1	209.6	209.0	208.1	207.4	206.5	205.8	206.5	207.4	208.1
105°	284.1	284.1	284.1	283.6	282.8	281.9	281.1	280.2	281.1	281.9	282.8
107.5°	358.7	358.3	357.9	357.7	357.7	357.7	357.7	357.7	357.7	357.7	357.7
110°	409.1	408.6	408.2	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	458.2	458.0	457.7	457.3	456.8	456.3	455.8	455.2	455.8	456.3	456.8
115°	531.5	531.3	531.0	530.5	529.3	528.3	527.3	526.2	527.3	528.3	529.3
117.5°	601.4	600.6	599.8	599.5	599.5	599.6	599.6	599.6	599.6	599.6	599.5
120°	646.0	645.4	644.7	644.5	644.7	644.9	645.2	645.4	645.2	644.9	644.7
122.5°	690.1	689.8	689.6	689.0	688.2	687.4	686.5	685.8	686.5	687.4	688.2
125°	755.0	755.0	755.0	754.2	752.7	751.3	749.8	748.3	749.8	751.3	752.7
127.5°	812.5	812.6	812.7	812.2	811.2	810.1	809.1	807.9	809.1	810.1	811.2
130°	849.9	849.7	849.4	848.9	847.7	846.7	845.6	844.6	845.6	846.7	847.7
132.5°	885.5	886.0	886.5	886.1	884.9	883.6	882.4	881.2	882.4	883.6	884.9
135°	937.9	938.3	938.8	938.3	937.1	935.8	934.5	933.2	934.5	935.8	937.1
137.5°	985.1	985.5	985.9	985.5	984.4	983.3	982.2	981.1	982.2	983.3	984.4
140°	1013.7	1014.0	1014.2	1014.1	1013.6	1013.2	1012.8	1012.4	1012.8	1013.2	1013.6
142.5°	1042.5	1042.2	1041.9	1041.6	1041.3	1041.1	1040.8	1040.6	1040.8	1041.1	1041.3
145°	1083.8	1083.8	1083.8	1083.6	1083.3	1082.8	1082.4	1081.9	1082.4	1082.8	1083.3
147.5°	1118.4	1118.1	1117.9	1117.9	1117.9	1118.0	1118.1	1118.1	1118.1	1118.0	1117.9
150°	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1140.7	1140.2	1139.8
152.5°	1160.1	1159.6	1159.2	1159.4	1160.4	1161.3	1162.2	1163.2	1162.2	1161.3	1160.4
155°	1186.9	1186.5	1186.1	1186.5	1187.8	1189.0	1190.3	1191.6	1190.3	1189.0	1187.8
157.5°	1210.1	1210.1	1210.1	1210.4	1211.3	1212.0	1212.8	1213.5	1212.8	1212.0	1211.3
160°	1223.6	1223.3	1223.1	1223.7	1224.9	1226.2	1227.5	1228.8	1227.5	1226.2	1224.9
162.5°	1235.8	1235.6	1235.3	1235.9	1237.2	1238.4	1239.7	1241.0	1239.7	1238.4	1237.2
165°	1252.2	1252.0	1251.7	1252.3	1253.6	1254.8	1256.1	1257.4	1256.1	1254.8	1253.6
167.5°	1264.1	1263.9	1263.8	1264.3	1265.6	1267.0	1268.3	1269.5	1268.3	1267.0	1265.6
170°	1270.3	1270.1	1269.9	1270.5	1272.0	1273.5	1275.0	1276.4	1275.0	1273.5	1272.0
172.5°	1275.3	1274.9	1274.5	1275.1	1276.6	1278.0	1279.5	1281.0	1279.5	1278.0	1276.6
175°	1280.7	1280.5	1280.3	1280.8	1282.1	1283.4	1284.7	1285.9	1284.7	1283.4	1282.1
177.5°	1284.1	1283.9	1283.7	1284.2	1285.2	1286.2	1287.2	1288.3	1287.2	1286.2	1285.2
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	521.6	519.2	517.5	514.0	511.5	510.5	508.6	508.0	510.0	508.6	508.4
5°	506.1	499.8	494.8	489.8	484.4	480.9	475.6	474.8	473.4	471.6	471.1
7.5°	487.6	479.3	472.9	464.6	457.4	451.6	445.1	442.0	440.3	437.7	434.3
10°	475.0	465.2	456.5	448.2	439.3	432.1	425.6	420.6	417.3	414.2	412.9
12.5°	462.6	452.6	441.5	431.5	421.5	413.5	406.2	402.9	399.4	395.8	392.8
15°	443.4	430.2	417.9	406.4	397.9	389.2	382.2	377.4	372.0	370.4	364.6
17.5°	423.0	410.0	395.7	383.6	373.7	364.1	356.5	351.0	346.9	341.3	338.7
20°	410.3	394.8	380.9	369.8	358.9	347.6	339.8	335.2	331.3	326.7	324.5
22.5°	396.7	381.6	367.3	354.3	343.3	332.1	326.5	321.8	317.4	313.1	310.2
25°	376.7	361.6	346.5	333.0	321.5	313.4	306.9	301.4	299.1	294.9	291.8
27.5°	357.0	340.8	325.3	311.8	302.7	294.7	289.4	285.1	280.8	277.2	274.5
30°	344.3	327.8	310.8	300.1	290.5	283.0	277.0	272.9	269.7	266.4	264.4
32.5°	331.6	314.5	299.4	287.9	278.9	272.3	266.3	262.2	258.8	255.2	252.9
35°	311.2	293.8	281.6	270.3	261.4	255.2	251.1	245.4	242.6	240.0	237.6
37.5°	292.3	276.1	262.9	253.0	245.2	239.1	233.8	230.7	227.2	224.9	222.9
40°	278.3	263.5	251.6	241.1	235.4	228.7	223.7	219.7	217.2	214.1	211.9
42.5°	265.8	252.0	240.3	231.0	223.9	218.2	213.4	209.4	206.1	204.0	202.2
45°	248.1	234.3	223.0	214.3	207.7	202.4	197.3	195.4	191.0	188.4	187.5
47.5°	229.7	217.4	206.5	198.5	191.8	186.6	181.9	178.0	175.5	173.0	171.5
50°	217.4	205.6	195.4	187.5	181.0	175.3	171.0	168.3	165.0	162.7	161.0
52.5°	205.0	194.1	183.9	176.3	170.7	165.0	160.1	157.6	154.5	153.0	151.7
55°	187.3	175.8	167.0	159.7	153.7	148.5	143.9	141.4	139.4	137.9	137.4
57.5°	167.3	158.2	150.1	143.4	137.2	132.3	128.3	125.8	124.1	123.9	122.5
60°	154.2	145.9	138.6	131.3	126.1	121.5	118.0	115.2	113.5	113.3	112.8
62.5°	141.1	133.2	126.3	120.0	115.3	110.9	107.5	104.4	103.4	102.3	101.3
65°	121.8	114.5	108.9	103.9	98.9	95.2	91.9	89.9	87.6	86.2	83.9
67.5°	102.7	97.2	91.7	87.5	83.5	80.0	77.3	74.4	72.8	71.7	70.0
70°	90.2	85.8	80.4	75.8	72.8	69.9	67.8	64.5	63.3	62.5	61.6
72.5°	78.3	74.5	69.9	66.2	63.2	60.5	58.0	56.5	55.3	54.5	54.0
75°	61.6	58.0	54.0	51.4	49.2	47.0	45.7	44.7	44.2	44.0	43.2
77.5°	45.2	43.3	40.2	38.1	36.7	35.7	34.6	34.0	33.9	33.0	32.7
80°	34.6	33.6	30.9	30.1	28.9	28.1	27.4	26.4	25.3	24.8	24.1
82.5°	25.7	24.7	23.6	22.2	21.3	20.7	20.2	19.7	19.9	19.2	18.9
85°	13.8	12.6	12.2	12.0	11.5	12.0	11.8	11.5	11.3	11.1	11.3
87.5°	5.9	6.2	6.3	7.0	6.8	7.3	7.4	7.4	7.7	7.9	7.9
90°	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.3	18.5	19.5	20.4
92.5°	9.9	10.0	11.3	12.6	13.9	15.3	16.3	17.3	18.5	19.5	20.2
95°	51.8	47.4	39.4	31.4	23.3	15.3	16.3	17.3	18.5	19.5	20.0
97.5°	118.0	110.7	94.7	78.8	62.9	46.9	40.9	35.0	28.9	23.0	20.0
100°	161.7	162.5	163.3	164.2	165.0	165.9	134.3	102.7	71.2	39.6	23.4
102.5°	209.0	209.6	210.1	210.6	211.1	211.6	205.7	199.6	193.7	187.8	177.6
105°	283.6	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.0
107.5°	357.7	357.9	358.3	358.7	359.1	359.6	359.6	359.7	359.7	359.8	359.5
110°	408.0	408.2	408.6	409.1	409.4	409.9	409.3	408.6	408.0	407.4	407.2



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	457.3	457.7	458.0	458.2	458.5	458.7	457.9	457.1	456.3	455.5	455.0
115°	530.5	531.0	531.3	531.5	531.7	531.9	531.0	530.2	529.3	528.5	527.4
117.5°	599.5	599.8	600.6	601.4	602.2	603.0	601.9	600.9	599.7	598.6	597.8
120°	644.5	644.7	645.4	646.0	646.6	647.2	646.9	646.4	646.0	645.5	644.8
122.5°	689.0	689.6	689.8	690.1	690.4	690.7	690.3	689.8	689.5	689.0	688.2
125°	754.2	755.0	755.0	755.0	755.0	755.0	754.1	753.3	752.4	751.6	750.8
127.5°	812.2	812.7	812.6	812.5	812.3	812.2	811.7	811.2	810.8	810.3	809.3
130°	848.9	849.4	849.7	849.9	850.1	850.3	849.7	849.0	848.4	847.7	846.9
132.5°	886.1	886.5	886.0	885.5	885.0	884.7	884.5	884.4	884.2	884.1	883.5
135°	938.3	938.8	938.3	937.9	937.5	937.1	936.6	936.2	935.8	935.4	934.5
137.5°	985.5	985.9	985.5	985.1	984.7	984.3	984.4	984.5	984.6	984.7	984.2
140°	1014.1	1014.2	1014.0	1013.7	1013.5	1013.3	1013.7	1014.2	1014.6	1015.0	1014.6
142.5°	1041.6	1041.9	1042.2	1042.5	1042.7	1043.0	1043.1	1043.2	1043.3	1043.4	1042.8
145°	1083.6	1083.8	1083.8	1083.8	1083.8	1083.8	1084.1	1084.3	1084.5	1084.7	1084.2
147.5°	1117.9	1117.9	1118.1	1118.4	1118.7	1118.9	1119.2	1119.5	1119.7	1119.9	1119.4
150°	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1141.5	1141.9	1142.4	1142.7	1142.1
152.5°	1159.4	1159.2	1159.6	1160.1	1160.5	1160.8	1161.3	1161.7	1162.2	1162.5	1162.1
155°	1186.5	1186.1	1186.5	1186.9	1187.3	1187.8	1188.4	1189.0	1189.7	1190.3	1189.8
157.5°	1210.4	1210.1	1210.1	1210.1	1210.2	1210.2	1211.0	1211.6	1212.3	1213.0	1212.5
160°	1223.7	1223.1	1223.3	1223.6	1223.8	1224.0	1224.8	1225.7	1226.5	1227.4	1226.9
162.5°	1235.9	1235.3	1235.6	1235.8	1236.0	1236.1	1237.4	1238.6	1239.7	1241.0	1240.6
165°	1252.3	1251.7	1252.0	1252.2	1252.4	1252.5	1253.9	1255.1	1256.4	1257.6	1257.4
167.5°	1264.3	1263.8	1263.9	1264.1	1264.4	1264.6	1266.1	1267.6	1269.1	1270.7	1270.5
170°	1270.5	1269.9	1270.1	1270.3	1270.5	1270.7	1272.4	1274.1	1275.8	1277.5	1277.3
172.5°	1275.1	1274.5	1274.9	1275.3	1275.6	1276.0	1277.5	1279.1	1280.6	1282.1	1282.0
175°	1280.8	1280.3	1280.5	1280.7	1281.0	1281.2	1282.9	1284.6	1286.3	1288.0	1287.9
177.5°	1284.2	1283.7	1283.9	1284.1	1284.2	1284.4	1285.6	1286.8	1288.0	1289.2	1289.1
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.2	506.3	505.8	506.5	505.8	506.3	508.2	508.4	508.6	510.0	508.0
5°	468.9	466.7	467.8	467.4	467.8	466.7	468.9	471.1	471.6	473.4	474.8
7.5°	434.3	431.6	428.8	429.6	428.8	431.6	434.3	434.3	437.7	440.3	442.0
10°	410.1	407.9	406.6	407.7	406.6	407.9	410.1	412.9	414.2	417.3	420.6
12.5°	389.7	388.4	387.3	386.8	387.3	388.4	389.7	392.8	395.8	399.4	402.9
15°	361.9	359.4	358.3	355.4	358.3	359.4	361.9	364.6	370.4	372.0	377.4
17.5°	336.4	335.5	332.7	331.5	332.7	335.5	336.4	338.7	341.3	346.9	351.0
20°	321.2	320.4	317.5	319.2	317.5	320.4	321.2	324.5	326.7	331.3	335.2
22.5°	308.7	306.8	305.9	305.4	305.9	306.8	308.7	310.2	313.1	317.4	321.8
25°	291.0	288.1	287.0	285.8	287.0	288.1	291.0	291.8	294.9	299.1	301.4
27.5°	273.2	271.7	270.3	269.9	270.3	271.7	273.2	274.5	277.2	280.8	285.1
30°	261.7	260.2	259.2	259.2	259.2	260.2	261.7	264.4	266.4	269.7	272.9
32.5°	251.5	250.3	249.2	249.0	249.2	250.3	251.5	252.9	255.2	258.8	262.2
35°	236.5	234.8	234.3	233.0	234.3	234.8	236.5	237.6	240.0	242.6	245.4
37.5°	220.9	219.5	219.5	219.3	219.5	219.5	220.9	222.9	224.9	227.2	230.7
40°	211.0	209.9	209.7	208.2	209.7	209.9	211.0	211.9	214.1	217.2	219.7
42.5°	200.4	199.8	199.1	198.4	199.1	199.8	200.4	202.2	204.0	206.1	209.4
45°	186.0	184.5	184.5	183.4	184.5	184.5	186.0	187.5	188.4	191.0	195.4
47.5°	171.1	169.9	170.0	168.9	170.0	169.9	171.1	171.5	173.0	175.5	178.0
50°	161.2	160.5	160.3	159.9	160.3	160.5	161.2	161.0	162.7	165.0	168.3
52.5°	151.3	150.9	151.7	150.8	151.7	150.9	151.3	151.7	153.0	154.5	157.6
55°	137.9	137.2	138.6	137.2	138.6	137.2	137.9	137.4	137.9	139.4	141.4
57.5°	122.5	121.9	123.1	122.4	123.1	121.9	122.5	122.5	123.9	124.1	125.8
60°	112.4	111.0	111.7	112.0	111.7	111.0	112.4	112.8	113.3	113.5	115.2
62.5°	100.4	99.5	100.1	99.1	100.1	99.5	100.4	101.3	102.3	103.4	104.4
65°	83.4	82.8	81.9	81.4	81.9	82.8	83.4	83.9	86.2	87.6	89.9
67.5°	70.1	68.5	68.4	68.8	68.4	68.5	70.1	70.0	71.7	72.8	74.4
70°	60.3	60.3	60.1	60.1	60.1	60.3	60.3	61.6	62.5	63.3	64.5
72.5°	53.5	53.3	53.0	52.8	53.0	53.3	53.5	54.0	54.5	55.3	56.5
75°	43.2	43.4	42.9	42.7	42.9	43.4	43.2	43.2	44.0	44.2	44.7
77.5°	31.9	30.9	31.4	30.9	31.4	30.9	31.9	32.7	33.0	33.9	34.0
80°	24.1	23.9	24.6	23.9	24.6	23.9	24.1	24.1	24.8	25.3	26.4
82.5°	19.1	18.9	19.2	18.8	19.2	18.9	19.1	18.9	19.2	19.9	19.7
85°	11.5	11.3	11.1	11.3	11.1	11.3	11.5	11.3	11.1	11.3	11.5
87.5°	8.2	8.2	8.3	8.4	8.3	8.2	8.2	7.9	7.9	7.7	7.4
90°	21.0	21.6	22.2	22.9	22.2	21.6	21.0	20.4	19.5	18.5	17.3
92.5°	20.5	20.7	21.0	21.4	21.0	20.7	20.5	20.2	19.5	18.5	17.3
95°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.5	18.5	17.3
97.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	23.0	28.9	35.0
100°	22.5	21.7	20.8	20.0	20.8	21.7	22.5	23.4	39.6	71.2	102.7
102.5°	163.2	148.7	134.3	119.9	134.3	148.7	163.2	177.6	187.8	193.7	199.6
105°	283.8	283.5	283.3	283.1	283.3	283.5	283.8	284.0	284.1	284.1	284.1
107.5°	358.8	358.2	357.5	356.9	357.5	358.2	358.8	359.5	359.8	359.7	359.7
110°	407.4	407.6	407.7	408.0	407.7	407.6	407.4	407.2	407.4	408.0	408.6



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	454.7	454.3	454.0	453.7	454.0	454.3	454.7	455.0	455.5	456.3	457.1
115°	526.2	524.9	523.7	522.4	523.7	524.9	526.2	527.4	528.5	529.3	530.2
117.5°	597.3	596.7	596.2	595.6	596.2	596.7	597.3	597.8	598.6	599.7	600.9
120°	643.8	642.7	641.7	640.6	641.7	642.7	643.8	644.8	645.5	646.0	646.4
122.5°	687.0	685.8	684.6	683.3	684.6	685.8	687.0	688.2	689.0	689.5	689.8
125°	750.3	749.6	748.9	748.3	748.9	749.6	750.3	750.8	751.6	752.4	753.3
127.5°	807.8	806.2	804.6	803.0	804.6	806.2	807.8	809.3	810.3	810.8	811.2
130°	845.8	844.8	843.8	842.7	843.8	844.8	845.8	846.9	847.7	848.4	849.0
132.5°	882.5	881.4	880.3	879.3	880.3	881.4	882.5	883.5	884.1	884.2	884.4
135°	933.2	932.0	930.7	929.4	930.7	932.0	933.2	934.5	935.4	935.8	936.2
137.5°	983.1	981.9	980.9	979.8	980.9	981.9	983.1	984.2	984.7	984.6	984.5
140°	1013.3	1012.0	1010.8	1009.5	1010.8	1012.0	1013.3	1014.6	1015.0	1014.6	1014.2
142.5°	1041.5	1040.3	1039.0	1037.7	1039.0	1040.3	1041.5	1042.8	1043.4	1043.3	1043.2
145°	1082.9	1081.7	1080.3	1079.1	1080.3	1081.7	1082.9	1084.2	1084.7	1084.5	1084.3
147.5°	1117.8	1116.3	1114.7	1113.2	1114.7	1116.3	1117.8	1119.4	1119.9	1119.7	1119.5
150°	1140.4	1138.7	1137.0	1135.3	1137.0	1138.7	1140.4	1142.1	1142.7	1142.4	1141.9
152.5°	1160.5	1159.0	1157.4	1155.9	1157.4	1159.0	1160.5	1162.1	1162.5	1162.2	1161.7
155°	1188.1	1186.4	1184.7	1183.0	1184.7	1186.4	1188.1	1189.8	1190.3	1189.7	1189.0
157.5°	1210.8	1209.1	1207.4	1205.7	1207.4	1209.1	1210.8	1212.5	1213.0	1212.3	1211.6
160°	1225.3	1223.6	1221.9	1220.2	1221.9	1223.6	1225.3	1226.9	1227.4	1226.5	1225.7
162.5°	1238.7	1236.9	1235.0	1233.1	1235.0	1236.9	1238.7	1240.6	1241.0	1239.7	1238.6
165°	1255.7	1254.1	1252.4	1250.7	1252.4	1254.1	1255.7	1257.4	1257.6	1256.4	1255.1
167.5°	1268.6	1266.7	1264.8	1262.9	1264.8	1266.7	1268.6	1270.5	1270.7	1269.1	1267.6
170°	1275.4	1273.6	1271.7	1269.7	1271.7	1273.6	1275.4	1277.3	1277.5	1275.8	1274.1
172.5°	1280.1	1278.1	1276.2	1274.3	1276.2	1278.1	1280.1	1282.0	1282.1	1280.6	1279.1
175°	1285.9	1284.0	1282.1	1280.3	1282.1	1284.0	1285.9	1287.9	1288.0	1286.3	1284.6
177.5°	1287.7	1286.4	1285.1	1283.6	1285.1	1286.4	1287.7	1289.1	1289.2	1288.0	1286.8
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	508.6	510.5	511.5	514.0	517.5	519.2	521.6	523.4	525.8	528.8	531.2
5°	475.6	480.9	484.4	489.8	494.8	499.8	506.1	510.7	516.8	523.8	529.2
7.5°	445.1	451.6	457.4	464.6	472.9	479.3	487.6	496.0	505.5	515.4	524.7
10°	425.6	432.1	439.3	448.2	456.5	465.2	475.0	484.8	496.8	507.8	520.5
12.5°	406.2	413.5	421.5	431.5	441.5	452.6	462.6	473.6	486.5	501.0	514.4
15°	382.2	389.2	397.9	406.4	417.9	430.2	443.4	458.0	472.4	488.5	505.3
17.5°	356.5	364.1	373.7	383.6	395.7	410.0	423.0	439.0	455.2	473.9	493.7
20°	339.8	347.6	358.9	369.8	380.9	394.8	410.3	426.7	443.8	463.6	485.7
22.5°	326.5	332.1	343.3	354.3	367.3	381.6	396.7	413.8	432.5	453.1	476.1
25°	306.9	313.4	321.5	333.0	346.5	361.6	376.7	394.8	415.3	436.2	460.8
27.5°	289.4	294.7	302.7	311.8	325.3	340.8	357.0	375.9	396.9	418.2	444.0
30°	277.0	283.0	290.5	300.1	310.8	327.8	344.3	362.9	384.2	406.1	432.7
32.5°	266.3	272.3	278.9	287.9	299.4	314.5	331.6	349.8	371.5	394.2	420.0
35°	251.1	255.2	261.4	270.3	281.6	293.8	311.2	330.4	351.5	375.0	401.0
37.5°	233.8	239.1	245.2	253.0	262.9	276.1	292.3	311.7	331.3	353.7	377.4
40°	223.7	228.7	235.4	241.1	251.6	263.5	278.3	298.6	318.2	339.3	360.9
42.5°	213.4	218.2	223.9	231.0	240.3	252.0	265.8	284.6	305.7	325.6	343.7
45°	197.3	202.4	207.7	214.3	223.0	234.3	248.1	265.2	283.5	301.9	315.6
47.5°	181.9	186.6	191.8	198.5	206.5	217.4	229.7	245.0	262.7	278.2	288.0
50°	171.0	175.3	181.0	187.5	195.4	205.6	217.4	232.3	247.2	261.4	270.3
52.5°	160.1	165.0	170.7	176.3	183.9	194.1	205.0	217.9	232.1	243.6	250.9
55°	143.9	148.5	153.7	159.7	167.0	175.8	187.3	197.6	208.7	218.5	222.8
57.5°	128.3	132.3	137.2	143.4	150.1	158.2	167.3	177.1	184.9	191.9	196.8
60°	118.0	121.5	126.1	131.3	138.6	145.9	154.2	163.3	169.5	175.3	179.9
62.5°	107.5	110.9	115.3	120.0	126.3	133.2	141.1	148.5	154.5	158.4	163.7
65°	91.9	95.2	98.9	103.9	108.9	114.5	121.8	127.1	131.3	135.7	138.9
67.5°	77.3	80.0	83.5	87.5	91.7	97.2	102.7	107.3	110.1	112.7	116.6
70°	67.8	69.9	72.8	75.8	80.4	85.8	90.2	93.7	95.6	98.2	103.0
72.5°	58.0	60.5	63.2	66.2	69.9	74.5	78.3	81.8	83.0	85.1	88.2
75°	45.7	47.0	49.2	51.4	54.0	58.0	61.6	62.5	63.6	65.3	67.5
77.5°	34.6	35.7	36.7	38.1	40.2	43.3	45.2	46.6	46.8	47.5	49.6
80°	27.4	28.1	28.9	30.1	30.9	33.6	34.6	35.9	36.4	37.0	38.1
82.5°	20.2	20.7	21.3	22.2	23.6	24.7	25.7	27.1	27.1	27.6	27.8
85°	11.8	12.0	11.5	12.0	12.2	12.6	13.8	14.8	14.6	14.4	15.0
87.5°	7.4	7.3	6.8	7.0	6.3	6.2	5.9	5.7	5.7	5.7	5.7
90°	16.3	15.3	13.8	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9
92.5°	16.3	15.3	13.9	12.6	11.3	10.0	9.9	11.1	12.3	13.5	14.7
95°	16.3	15.3	23.3	31.4	39.4	47.4	51.8	52.4	53.1	53.7	54.3
97.5°	40.9	46.9	62.9	78.8	94.7	110.7	118.0	116.9	115.7	114.6	113.5
100°	134.3	165.9	165.0	164.2	163.3	162.5	161.7	161.1	160.4	159.9	159.2
102.5°	205.7	211.6	211.1	210.6	210.1	209.6	209.0	208.1	207.4	206.5	205.8
105°	284.1	284.1	284.1	284.1	284.1	284.1	283.6	282.8	281.9	281.1	280.2
107.5°	359.6	359.6	359.1	358.7	358.3	357.9	357.7	357.7	357.7	357.7	357.7
110°	409.3	409.9	409.4	409.1	408.6	408.2	408.0	408.0	408.0	408.0	408.0



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.9	458.7	458.5	458.2	458.0	457.7	457.3	456.8	456.3	455.8	455.2
115°	531.0	531.9	531.7	531.5	531.3	531.0	530.5	529.3	528.3	527.3	526.2
117.5°	601.9	603.0	602.2	601.4	600.6	599.8	599.5	599.5	599.6	599.6	599.6
120°	646.9	647.2	646.6	646.0	645.4	644.7	644.5	644.7	644.9	645.2	645.4
122.5°	690.3	690.7	690.4	690.1	689.8	689.6	689.0	688.2	687.4	686.5	685.8
125°	754.1	755.0	755.0	755.0	755.0	755.0	754.2	752.7	751.3	749.8	748.3
127.5°	811.7	812.2	812.3	812.5	812.6	812.7	812.2	811.2	810.1	809.1	807.9
130°	849.7	850.3	850.1	849.9	849.7	849.4	848.9	847.7	846.7	845.6	844.6
132.5°	884.5	884.7	885.0	885.5	886.0	886.5	886.1	884.9	883.6	882.4	881.2
135°	936.6	937.1	937.5	937.9	938.3	938.8	938.3	937.1	935.8	934.5	933.2
137.5°	984.4	984.3	984.7	985.1	985.5	985.9	985.5	984.4	983.3	982.2	981.1
140°	1013.7	1013.3	1013.5	1013.7	1014.0	1014.2	1014.1	1013.6	1013.2	1012.8	1012.4
142.5°	1043.1	1043.0	1042.7	1042.5	1042.2	1041.9	1041.6	1041.3	1041.1	1040.8	1040.6
145°	1084.1	1083.8	1083.8	1083.8	1083.8	1083.8	1083.6	1083.3	1082.8	1082.4	1081.9
147.5°	1119.2	1118.9	1118.7	1118.4	1118.1	1117.9	1117.9	1117.9	1118.0	1118.1	1118.1
150°	1141.5	1141.0	1140.7	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0
152.5°	1161.3	1160.8	1160.5	1160.1	1159.6	1159.2	1159.4	1160.4	1161.3	1162.2	1163.2
155°	1188.4	1187.8	1187.3	1186.9	1186.5	1186.1	1186.5	1187.8	1189.0	1190.3	1191.6
157.5°	1211.0	1210.2	1210.2	1210.1	1210.1	1210.1	1210.4	1211.3	1212.0	1212.8	1213.5
160°	1224.8	1224.0	1223.8	1223.6	1223.3	1223.1	1223.7	1224.9	1226.2	1227.5	1228.8
162.5°	1237.4	1236.1	1236.0	1235.8	1235.6	1235.3	1235.9	1237.2	1238.4	1239.7	1241.0
165°	1253.9	1252.5	1252.4	1252.2	1252.0	1251.7	1252.3	1253.6	1254.8	1256.1	1257.4
167.5°	1266.1	1264.6	1264.4	1264.1	1263.9	1263.8	1264.3	1265.6	1267.0	1268.3	1269.5
170°	1272.4	1270.7	1270.5	1270.3	1270.1	1269.9	1270.5	1272.0	1273.5	1275.0	1276.4
172.5°	1277.5	1276.0	1275.6	1275.3	1274.9	1274.5	1275.1	1276.6	1278.0	1279.5	1281.0
175°	1282.9	1281.2	1281.0	1280.7	1280.5	1280.3	1280.8	1282.1	1283.4	1284.7	1285.9
177.5°	1285.6	1284.4	1284.2	1284.1	1283.9	1283.7	1284.2	1285.2	1286.2	1287.2	1288.3
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333648-830

CATALOG NUMBER: S125RDIW-S375D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	533.1	534.7	537.0	539.6	541.7	543.9	545.2	545.2	546.2	548.5	551.5
5°	534.7	540.4	545.7	552.7	558.2	564.5	569.3	573.9	578.0	583.2	588.7
7.5°	534.2	543.7	553.5	564.4	576.6	586.2	596.1	603.8	611.4	621.5	629.3
10°	532.5	544.7	558.0	571.9	587.2	600.4	612.5	623.3	633.8	644.7	654.5
12.5°	529.3	544.9	561.1	577.9	597.1	612.3	627.7	639.3	651.6	663.5	675.5
15°	524.6	542.9	562.5	585.9	609.4	626.3	641.6	656.7	668.0	681.5	693.1
17.5°	514.9	538.5	563.2	588.6	611.2	630.9	647.0	661.3	673.4	688.2	703.9
20°	509.2	534.7	560.3	587.6	609.2	629.4	644.9	659.7	674.7	694.1	713.2
22.5°	501.1	528.4	555.6	581.5	604.3	623.9	639.8	657.9	677.7	699.6	722.8
25°	488.5	516.6	543.6	568.2	590.4	610.5	632.3	656.7	680.6	709.5	742.9
27.5°	472.4	499.5	523.6	549.6	571.7	597.2	624.3	650.8	685.3	725.2	766.8
30°	460.4	486.1	509.0	533.6	558.6	586.7	617.2	648.4	689.6	736.3	785.8
32.5°	446.5	469.8	492.4	516.1	545.1	575.9	608.3	646.4	695.6	748.9	800.0
35°	422.3	443.2	465.2	491.5	522.3	555.8	597.2	643.6	703.0	760.3	806.3
37.5°	396.9	413.5	435.5	463.4	496.8	535.6	582.6	638.9	699.9	751.4	770.9
40°	377.4	392.9	416.2	445.4	478.5	520.9	573.6	631.6	693.1	728.7	727.2
42.5°	358.1	373.7	396.2	425.6	460.1	507.6	561.8	622.0	673.8	687.4	659.1
45°	328.4	343.0	365.0	394.6	431.7	481.5	538.6	596.3	629.4	607.4	551.2
47.5°	298.2	312.4	332.8	361.7	402.2	454.4	508.4	555.7	560.3	513.1	445.7
50°	278.3	291.6	311.0	342.0	381.2	432.1	484.2	521.4	509.8	452.1	382.7
52.5°	259.0	271.7	289.9	319.1	359.2	409.1	455.5	484.8	458.1	396.7	334.2
55°	230.5	242.6	260.9	287.7	324.0	369.8	410.6	421.2	382.0	320.2	269.7
57.5°	203.3	212.3	230.3	254.0	289.1	329.4	358.5	356.7	313.4	257.7	221.4
60°	185.3	193.4	210.6	232.3	265.7	301.9	322.3	313.6	269.8	223.9	189.1
62.5°	168.6	176.2	190.6	210.6	239.2	270.7	285.6	273.5	232.2	191.8	164.1
65°	143.3	148.7	160.3	178.8	201.2	223.0	236.3	218.7	182.1	151.6	130.6
67.5°	119.6	124.3	134.6	147.9	163.3	178.4	183.8	167.3	138.8	118.3	103.5
70°	104.3	108.7	115.6	128.1	138.3	148.9	151.6	136.8	113.0	97.4	88.2
72.5°	89.7	93.7	99.8	108.6	115.6	121.8	123.0	109.2	91.0	80.3	73.2
75°	68.4	71.9	75.8	79.1	83.6	84.7	84.3	73.6	63.8	56.6	52.7
77.5°	50.2	51.7	54.1	55.4	55.6	55.5	53.3	46.6	41.5	38.5	36.9
80°	38.7	39.9	40.5	40.9	41.2	39.0	36.6	32.4	30.7	28.9	27.1
82.5°	28.2	28.8	29.5	29.6	28.5	26.6	24.4	22.3	21.1	20.3	19.5
85°	15.3	15.5	15.3	14.1	12.6	12.0	11.5	11.1	10.9	10.7	10.7
87.5°	5.9	5.7	5.2	5.7	6.0	6.1	6.5	6.6	6.7	6.9	7.2
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.3
92.5°	13.5	12.3	11.1	9.9	10.0	11.3	12.6	13.9	15.3	16.3	17.3
95°	53.7	53.1	52.4	51.8	47.4	39.4	31.4	23.3	15.3	16.3	17.3
97.5°	114.6	115.7	116.9	118.0	110.7	94.7	78.8	62.9	46.9	40.9	35.0
100°	159.9	160.4	161.1	161.7	162.5	163.3	164.2	165.0	165.9	134.3	102.7
102.5°	206.5	207.4	208.1	209.0	209.6	210.1	210.6	211.1	211.6	205.7	199.6
105°	281.1	281.9	282.8	283.6	284.1	284.1	284.1	284.1	284.1	284.1	284.1
107.5°	357.7	357.7	357.7	357.7	357.9	358.3	358.7	359.1	359.6	359.6	359.7
110°	408.0	408.0	408.0	408.0	408.2	408.6	409.1	409.4	409.9	409.3	408.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.8	456.3	456.8	457.3	457.7	458.0	458.2	458.5	458.7	457.9	457.1
115°	527.3	528.3	529.3	530.5	531.0	531.3	531.5	531.7	531.9	531.0	530.2
117.5°	599.6	599.6	599.5	599.5	599.8	600.6	601.4	602.2	603.0	601.9	600.9
120°	645.2	644.9	644.7	644.5	644.7	645.4	646.0	646.6	647.2	646.9	646.4
122.5°	686.5	687.4	688.2	689.0	689.6	689.8	690.1	690.4	690.7	690.3	689.8
125°	749.8	751.3	752.7	754.2	755.0	755.0	755.0	755.0	755.0	754.1	753.3
127.5°	809.1	810.1	811.2	812.2	812.7	812.6	812.5	812.3	812.2	811.7	811.2
130°	845.6	846.7	847.7	848.9	849.4	849.7	849.9	850.1	850.3	849.7	849.0
132.5°	882.4	883.6	884.9	886.1	886.5	886.0	885.5	885.0	884.7	884.5	884.4
135°	934.5	935.8	937.1	938.3	938.8	938.3	937.9	937.5	937.1	936.6	936.2
137.5°	982.2	983.3	984.4	985.5	985.9	985.5	985.1	984.7	984.3	984.4	984.5
140°	1012.8	1013.2	1013.6	1014.1	1014.2	1014.0	1013.7	1013.5	1013.3	1013.7	1014.2
142.5°	1040.8	1041.1	1041.3	1041.6	1041.9	1042.2	1042.5	1042.7	1043.0	1043.1	1043.2
145°	1082.4	1082.8	1083.3	1083.6	1083.8	1083.8	1083.8	1083.8	1083.8	1084.1	1084.3
147.5°	1118.1	1118.0	1117.9	1117.9	1117.9	1118.1	1118.4	1118.7	1118.9	1119.2	1119.5
150°	1140.7	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1141.5	1141.9
152.5°	1162.2	1161.3	1160.4	1159.4	1159.2	1159.6	1160.1	1160.5	1160.8	1161.3	1161.7
155°	1190.3	1189.0	1187.8	1186.5	1186.1	1186.5	1186.9	1187.3	1187.8	1188.4	1189.0
157.5°	1212.8	1212.0	1211.3	1210.4	1210.1	1210.1	1210.1	1210.2	1210.2	1211.0	1211.6
160°	1227.5	1226.2	1224.9	1223.7	1223.1	1223.3	1223.6	1223.8	1224.0	1224.8	1225.7
162.5°	1239.7	1238.4	1237.2	1235.9	1235.3	1235.6	1235.8	1236.0	1236.1	1237.4	1238.6
165°	1256.1	1254.8	1253.6	1252.3	1251.7	1252.0	1252.2	1252.4	1252.5	1253.9	1255.1
167.5°	1268.3	1267.0	1265.6	1264.3	1263.8	1263.9	1264.1	1264.4	1264.6	1266.1	1267.6
170°	1275.0	1273.5	1272.0	1270.5	1269.9	1270.1	1270.3	1270.5	1270.7	1272.4	1274.1
172.5°	1279.5	1278.0	1276.6	1275.1	1274.5	1274.9	1275.3	1275.6	1276.0	1277.5	1279.1
175°	1284.7	1283.4	1282.1	1280.8	1280.3	1280.5	1280.7	1281.0	1281.2	1282.9	1284.6
177.5°	1287.2	1286.2	1285.2	1284.2	1283.7	1283.9	1284.1	1284.2	1284.4	1285.6	1286.8
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	553.7	553.7	556.7	556.5	558.5	557.7	558.1
5°	595.2	598.9	602.2	604.4	607.7	608.5	608.0
7.5°	638.3	646.5	650.4	656.0	657.0	659.9	659.6
10°	664.9	673.0	679.1	683.8	686.3	689.3	689.6
12.5°	685.8	692.7	698.0	702.5	705.4	706.3	706.9
15°	702.2	709.7	716.0	722.4	726.1	729.0	730.5
17.5°	718.6	730.4	741.5	750.1	755.3	759.6	759.6
20°	731.3	744.8	758.7	768.5	778.6	783.0	783.6
22.5°	744.9	765.5	783.5	798.7	811.9	816.4	818.1
25°	773.2	800.1	827.8	849.1	864.4	873.4	874.7
27.5°	807.3	843.8	872.9	892.6	905.2	911.9	913.3
30°	831.3	865.1	891.2	906.0	911.9	912.8	909.5
32.5°	842.1	867.3	877.8	876.9	865.3	857.7	854.8
35°	828.9	823.7	798.2	767.7	744.4	729.6	725.7
37.5°	754.3	709.3	662.4	616.3	591.8	579.3	557.9
40°	680.8	616.5	567.8	529.0	501.3	479.1	473.9
42.5°	597.9	531.5	482.8	449.6	427.4	412.3	405.6
45°	480.4	423.4	383.0	357.6	340.6	329.5	324.5
47.5°	384.3	340.1	310.8	291.9	278.9	269.3	266.6
50°	331.5	296.1	271.4	255.4	245.6	238.3	235.3
52.5°	287.9	259.4	240.3	227.2	218.0	213.4	210.8
55°	237.6	213.0	199.3	188.8	183.6	179.9	178.1
57.5°	194.4	176.5	166.5	159.3	154.5	152.1	151.3
60°	170.1	156.2	147.0	141.4	138.1	135.1	134.1
62.5°	148.6	137.7	130.6	125.6	122.4	121.1	120.6
65°	119.8	112.6	107.4	104.3	101.7	101.2	101.0
67.5°	95.2	91.0	88.2	85.1	84.2	82.7	82.3
70°	81.4	78.6	75.3	74.3	73.1	71.6	71.9
72.5°	69.1	66.3	64.0	62.6	62.2	61.5	62.1
75°	50.5	49.7	48.8	47.7	47.2	47.2	47.0
77.5°	36.1	35.3	34.4	33.7	33.6	32.7	33.0
80°	26.1	25.1	24.6	24.8	24.1	23.9	23.9
82.5°	19.3	18.9	18.5	18.6	18.4	18.2	18.4
85°	10.7	10.5	10.5	10.3	10.3	10.0	10.0
87.5°	7.5	7.9	7.7	7.6	7.8	8.1	8.4
90°	18.5	19.5	20.4	21.0	21.6	22.2	22.9
92.5°	18.5	19.5	20.2	20.5	20.7	21.0	21.4
95°	18.5	19.5	20.0	20.0	20.0	20.0	20.0
97.5°	28.9	23.0	20.0	20.0	20.0	20.0	20.0
100°	71.2	39.6	23.4	22.5	21.7	20.8	20.0
102.5°	193.7	187.8	177.6	163.2	148.7	134.3	119.9
105°	284.1	284.1	284.0	283.8	283.5	283.3	283.1
107.5°	359.7	359.8	359.5	358.8	358.2	357.5	356.9
110°	408.0	407.4	407.2	407.4	407.6	407.7	408.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	456.3	455.5	455.0	454.7	454.3	454.0	453.7
115°	529.3	528.5	527.4	526.2	524.9	523.7	522.4
117.5°	599.7	598.6	597.8	597.3	596.7	596.2	595.6
120°	646.0	645.5	644.8	643.8	642.7	641.7	640.6
122.5°	689.5	689.0	688.2	687.0	685.8	684.6	683.3
125°	752.4	751.6	750.8	750.3	749.6	748.9	748.3
127.5°	810.8	810.3	809.3	807.8	806.2	804.6	803.0
130°	848.4	847.7	846.9	845.8	844.8	843.8	842.7
132.5°	884.2	884.1	883.5	882.5	881.4	880.3	879.3
135°	935.8	935.4	934.5	933.2	932.0	930.7	929.4
137.5°	984.6	984.7	984.2	983.1	981.9	980.9	979.8
140°	1014.6	1015.0	1014.6	1013.3	1012.0	1010.8	1009.5
142.5°	1043.3	1043.4	1042.8	1041.5	1040.3	1039.0	1037.7
145°	1084.5	1084.7	1084.2	1082.9	1081.7	1080.3	1079.1
147.5°	1119.7	1119.9	1119.4	1117.8	1116.3	1114.7	1113.2
150°	1142.4	1142.7	1142.1	1140.4	1138.7	1137.0	1135.3
152.5°	1162.2	1162.5	1162.1	1160.5	1159.0	1157.4	1155.9
155°	1189.7	1190.3	1189.8	1188.1	1186.4	1184.7	1183.0
157.5°	1212.3	1213.0	1212.5	1210.8	1209.1	1207.4	1205.7
160°	1226.5	1227.4	1226.9	1225.3	1223.6	1221.9	1220.2
162.5°	1239.7	1241.0	1240.6	1238.7	1236.9	1235.0	1233.1
165°	1256.4	1257.6	1257.4	1255.7	1254.1	1252.4	1250.7
167.5°	1269.1	1270.7	1270.5	1268.6	1266.7	1264.8	1262.9
170°	1275.8	1277.5	1277.3	1275.4	1273.6	1271.7	1269.7
172.5°	1280.6	1282.1	1282.0	1280.1	1278.1	1276.2	1274.3
175°	1286.3	1288.0	1287.9	1285.9	1284.0	1282.1	1280.3
177.5°	1288.0	1289.2	1289.1	1287.7	1286.4	1285.1	1283.6
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9

(END OF REPORT)