

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: P333649-840

Luminaire Tested: **S125RDIW-S375D1050U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333649-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S375D1050U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5144.7 lumens  
Efficiency: N/A  
Efficacy: 135.4 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

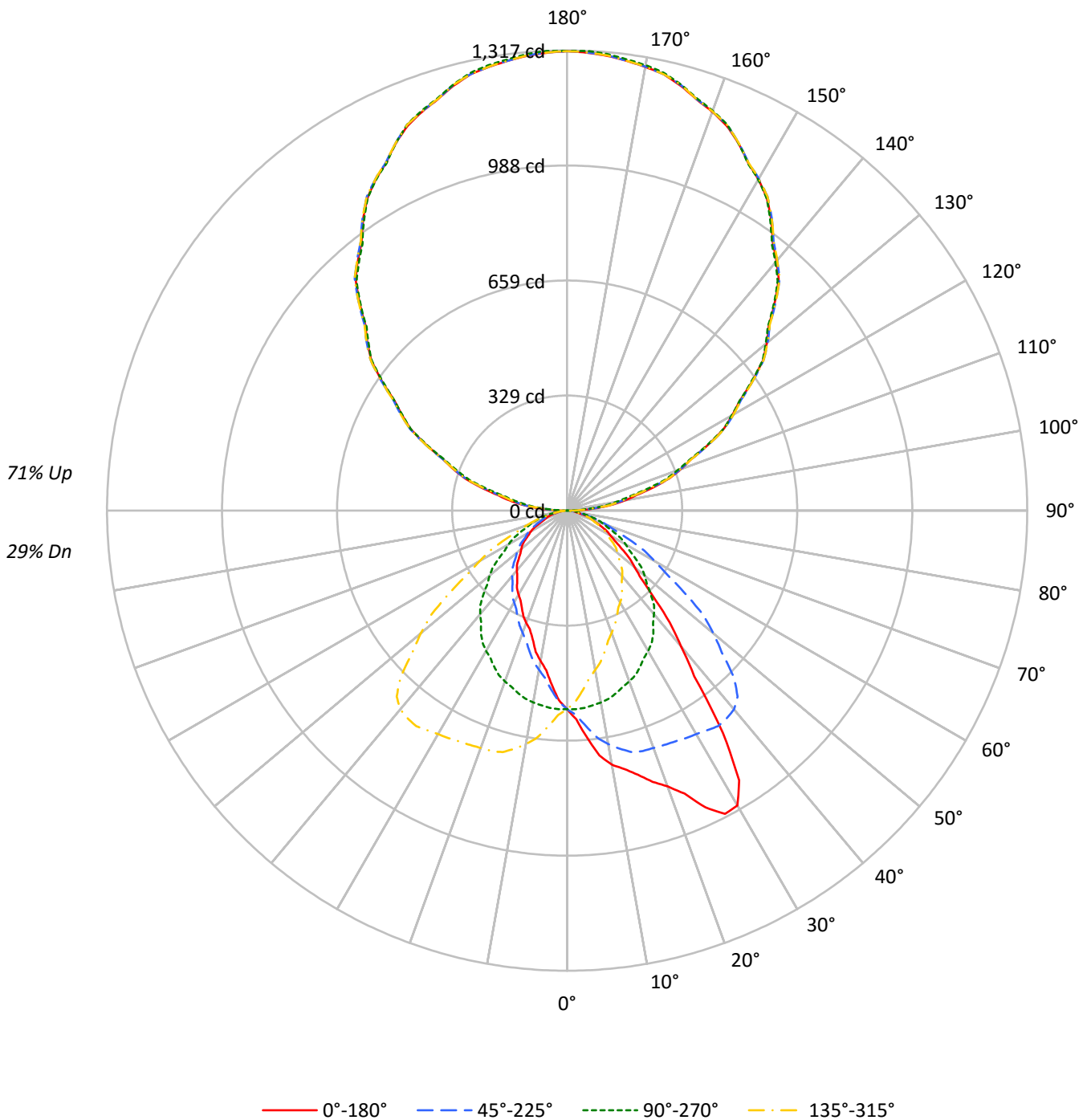
Input Watts (W): 38  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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	71	71	71	53	53	53	37	37	37	29
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25
2	85	78	72	67	76	70	65	61	55	52	49	42	40	38	29	28	27	21
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18
4	71	61	53	48	63	55	48	43	43	39	35	33	30	28	23	21	20	16
5	65	54	46	41	58	49	42	37	39	34	30	30	26	24	21	19	17	14
6	60	48	41	35	54	44	37	32	35	30	27	27	23	21	19	17	15	12
7	55	44	36	31	49	39	33	28	32	27	23	24	21	18	17	15	14	11
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	15	13	14	11	10	8

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

	0°	90°	180°	270°
0°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	1.1
10°-20°	159.7	3.1
20°-30°	253.3	4.9
30°-40°	305.4	5.9
40°-50°	272.8	5.3
50°-60°	209.2	4.1
60°-70°	135.9	2.6
70°-80°	66.1	1.3
80°-90°	18.6	0.4
90°-100°	88.1	1.7
100°-110°	260.1	5.1
110°-120°	440.5	8.6
120°-130°	579.7	11.3
130°-140°	649.6	12.6
140°-150°	636.6	12.4
150°-160°	534.7	10.4
160°-170°	355.4	6.9
170°-180°	124.4	2.4
0°-30°	467.5	9.1
0°-40°	773.0	15.0
0°-60°	1254.9	24.4
0°-90°	1475.6	28.7
90°-120°	788.6	15.3
90°-150°	2654.6	51.6
90°-180°	3669.0	71.3
0°-180°	5144.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	24	1	24	1	24	15
95°	88	67	88	67	88	90
105°	254	233	254	233	254	269
115°	445	441	445	441	445	440
125°	648	644	648	644	648	578
135°	840	837	840	837	840	648
145°	1018	1014	1018	1014	1018	636
155°	1160	1160	1160	1160	1160	534
165°	1259	1262	1259	1262	1259	355
175°	1307	1312	1307	1312	1307	124
180°	1315	1315	1315	1315	1315	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	9.0	8.7	8.4	8.3	8.3	8.5	8.1	7.7	7.4	7.2	7.1
90°	24.5	23.8	23.2	22.5	21.8	20.9	19.8	18.7	17.5	16.4	14.7
92.5°	48.3	47.8	47.3	46.8	46.3	45.3	43.8	42.3	40.8	39.3	37.4
95°	88.0	87.6	87.1	86.6	86.1	85.1	83.5	82.0	80.4	78.8	76.5
97.5°	133.4	133.2	132.9	132.6	132.3	131.5	130.0	128.5	126.9	125.4	122.3
100°	167.8	167.3	166.9	166.4	166.0	164.7	162.7	160.7	158.6	156.5	153.6
102.5°	202.2	201.6	201.0	200.3	199.7	198.2	196.0	193.8	191.6	189.3	187.8
105°	253.8	253.1	252.4	251.8	251.1	250.0	248.6	247.3	245.9	244.6	243.2
107.5°	306.6	306.6	306.7	306.7	306.8	306.4	305.8	305.1	304.4	303.7	302.7
110°	345.9	346.1	346.3	346.6	346.8	346.6	345.9	345.2	344.5	343.9	343.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	384.4	384.8	385.2	385.6	386.0	386.0	385.7	385.4	385.1	384.8	383.8
115°	445.1	445.4	445.6	445.8	446.1	446.3	446.5	446.7	447.0	447.2	446.7
117.5°	504.4	505.3	506.2	507.2	508.1	508.5	508.3	508.1	508.0	507.8	507.4
120°	545.4	546.3	547.2	548.2	549.1	549.5	549.5	549.5	549.5	549.5	549.3
122.5°	586.3	587.0	587.7	588.5	589.3	589.7	589.9	590.1	590.3	590.5	589.9
125°	647.7	647.9	648.1	648.4	648.6	648.9	649.4	649.8	650.4	650.8	650.6
127.5°	706.7	707.1	707.6	708.0	708.5	708.8	709.0	709.2	709.5	709.7	709.4
130°	746.0	746.4	746.9	747.3	747.8	748.1	748.3	748.6	748.8	749.0	748.6
132.5°	782.7	783.5	784.1	784.7	785.4	785.8	786.0	786.2	786.5	786.7	786.8
135°	840.1	841.0	841.9	842.8	843.7	844.1	844.1	844.1	844.1	844.1	843.9
137.5°	896.2	897.3	898.5	899.6	900.7	901.1	900.9	900.6	900.3	900.1	899.6
140°	932.2	933.3	934.4	935.6	936.8	937.1	936.6	936.1	935.7	935.2	934.5
142.5°	966.5	967.8	968.9	970.0	971.1	971.6	971.3	971.0	970.7	970.5	969.6
145°	1018.1	1018.9	1019.5	1020.2	1020.9	1021.2	1021.2	1021.2	1021.2	1021.2	1020.6
147.5°	1062.2	1063.7	1065.2	1066.8	1068.3	1068.8	1068.2	1067.7	1067.2	1066.6	1066.1
150°	1094.9	1095.3	1095.8	1096.2	1096.7	1096.9	1096.9	1096.9	1096.9	1096.9	1096.0
152.5°	1121.9	1122.7	1123.6	1124.4	1125.2	1125.3	1124.8	1124.2	1123.7	1123.2	1122.8
155°	1160.3	1161.5	1162.7	1163.8	1164.9	1165.1	1164.2	1163.3	1162.4	1161.4	1161.1
157.5°	1192.5	1194.0	1195.5	1197.0	1198.5	1198.8	1197.9	1197.0	1196.1	1195.2	1195.0
160°	1214.6	1215.8	1216.9	1218.0	1219.1	1219.3	1218.4	1217.5	1216.6	1215.7	1215.4
162.5°	1233.4	1234.8	1236.1	1237.4	1238.7	1238.8	1237.7	1236.7	1235.6	1234.5	1234.5
165°	1258.6	1260.0	1261.3	1262.7	1264.0	1264.3	1263.3	1262.4	1261.5	1260.6	1260.4
167.5°	1278.7	1280.1	1281.5	1282.9	1284.3	1284.3	1282.9	1281.6	1280.2	1278.9	1278.9
170°	1289.3	1290.9	1292.5	1294.0	1295.7	1295.8	1294.4	1293.0	1291.7	1290.3	1290.3
172.5°	1298.3	1299.7	1301.1	1302.5	1303.9	1303.9	1302.6	1301.2	1299.9	1298.5	1298.5
175°	1306.7	1308.3	1309.9	1311.5	1313.0	1313.2	1311.8	1310.4	1309.1	1307.7	1307.7
177.5°	1311.6	1312.9	1314.1	1315.5	1316.7	1316.8	1315.8	1314.6	1313.5	1312.4	1312.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	7.0	6.6	6.5	6.2	5.6	6.2	6.4	6.2	6.2	6.2	6.2
90°	13.2	11.6	10.0	8.3	6.5	4.6	2.8	1.0	2.8	4.6	6.5
92.5°	35.3	33.4	31.5	29.9	28.6	27.3	26.1	24.7	26.1	27.3	28.6
95°	74.2	72.0	69.7	68.4	67.9	67.5	67.0	66.6	67.0	67.5	67.9
97.5°	119.2	116.0	112.9	111.3	111.1	110.9	110.7	110.5	110.7	110.9	111.1
100°	150.7	147.6	144.7	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3
102.5°	186.3	184.8	183.3	182.1	181.2	180.3	179.4	178.4	179.4	180.3	181.2
105°	241.9	240.4	239.1	237.8	236.7	235.6	234.4	233.3	234.4	235.6	236.7
107.5°	301.6	300.5	299.5	298.4	297.3	296.2	295.0	293.9	295.0	296.2	297.3
110°	342.4	341.7	341.1	340.2	339.0	337.9	336.8	335.6	336.8	337.9	339.0





TEST NUMBER: P333649-840

CATALOG NUMBER: S125RDIW-S375D1050U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	383.0	382.1	381.3	380.5	380.0	379.4	378.8	378.2	378.8	379.4	380.0
115°	446.3	445.8	445.4	444.6	443.7	442.8	441.9	441.0	441.9	442.8	443.7
117.5°	507.0	506.5	506.1	505.7	505.2	504.8	504.4	504.0	504.4	504.8	505.2
120°	549.1	548.8	548.6	547.9	546.7	545.6	544.5	543.3	544.5	545.6	546.7
122.5°	589.3	588.7	588.0	587.5	587.1	586.7	586.3	585.9	586.3	586.7	587.1
125°	650.4	650.2	649.8	649.0	647.7	646.3	645.0	643.6	645.0	646.3	647.7
127.5°	709.2	708.9	708.6	708.1	707.3	706.6	705.8	705.0	705.8	706.6	707.3
130°	748.1	747.7	747.2	746.4	745.3	744.2	743.0	741.8	743.0	744.2	745.3
132.5°	786.9	787.0	787.1	786.2	784.3	782.4	780.5	778.7	780.5	782.4	784.3
135°	843.7	843.5	843.2	842.5	841.1	839.7	838.4	837.0	838.4	839.7	841.1
137.5°	899.1	898.6	898.1	897.2	895.9	894.5	893.2	891.9	893.2	894.5	895.9
140°	933.9	933.2	932.5	931.6	930.5	929.4	928.2	927.1	928.2	929.4	930.5
142.5°	968.8	967.9	967.0	966.1	965.1	964.2	963.2	962.3	963.2	964.2	965.1
145°	1019.9	1019.2	1018.4	1017.6	1016.7	1015.8	1014.9	1014.0	1014.9	1015.8	1016.7
147.5°	1065.5	1065.0	1064.5	1063.9	1063.4	1063.0	1062.5	1062.0	1062.5	1063.0	1063.4
150°	1095.1	1094.2	1093.3	1093.0	1093.2	1093.4	1093.7	1093.9	1093.7	1093.4	1093.2
152.5°	1122.4	1122.1	1121.7	1121.4	1121.1	1120.6	1120.3	1120.0	1120.3	1120.6	1121.1
155°	1160.9	1160.7	1160.4	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3
157.5°	1194.7	1194.5	1194.3	1194.4	1194.9	1195.4	1195.9	1196.4	1195.9	1195.4	1194.9
160°	1215.2	1215.0	1214.8	1215.0	1215.7	1216.3	1217.0	1217.7	1217.0	1216.3	1215.7
162.5°	1234.4	1234.4	1234.3	1234.5	1235.0	1235.5	1236.0	1236.5	1236.0	1235.5	1235.0
165°	1260.2	1260.0	1259.7	1259.8	1260.3	1260.7	1261.2	1261.7	1261.2	1260.7	1260.3
167.5°	1278.9	1278.9	1278.9	1279.3	1280.2	1281.1	1282.0	1282.9	1282.0	1281.1	1280.2
170°	1290.3	1290.3	1290.3	1290.8	1291.7	1292.6	1293.5	1294.4	1293.5	1292.6	1291.7
172.5°	1298.5	1298.5	1298.5	1299.0	1299.9	1300.8	1301.7	1302.6	1301.7	1300.8	1299.9
175°	1307.7	1307.7	1307.7	1308.2	1309.1	1310.0	1310.9	1311.8	1310.9	1310.0	1309.1
177.5°	1312.8	1312.9	1313.1	1313.6	1314.3	1315.0	1315.8	1316.6	1315.8	1315.0	1314.3
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333649-840

CATALOG NUMBER: S125RDIW-S375D1050U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	6.4	6.7	6.8	7.5	7.3	7.8	8.0	8.0	8.3	8.5	8.5
90°	8.3	10.0	11.6	13.2	14.7	16.4	17.5	18.7	19.8	20.9	21.8
92.5°	29.9	31.5	33.4	35.3	37.4	39.3	40.8	42.3	43.8	45.3	46.3
95°	68.4	69.7	72.0	74.2	76.5	78.8	80.4	82.0	83.5	85.1	86.1
97.5°	111.3	112.9	116.0	119.2	122.3	125.4	126.9	128.5	130.0	131.5	132.3
100°	143.3	144.7	147.6	150.7	153.6	156.5	158.6	160.7	162.7	164.7	166.0
102.5°	182.1	183.3	184.8	186.3	187.8	189.3	191.6	193.8	196.0	198.2	199.7
105°	237.8	239.1	240.4	241.9	243.2	244.6	245.9	247.3	248.6	250.0	251.1
107.5°	298.4	299.5	300.5	301.6	302.7	303.7	304.4	305.1	305.8	306.4	306.8
110°	340.2	341.1	341.7	342.4	343.2	343.9	344.5	345.2	345.9	346.6	346.8



TEST NUMBER: P333649-840

CATALOG NUMBER: S125RDIW-S375D1050U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	380.5	381.3	382.1	383.0	383.8	384.8	385.1	385.4	385.7	386.0	386.0
115°	444.6	445.4	445.8	446.3	446.7	447.2	447.0	446.7	446.5	446.3	446.1
117.5°	505.7	506.1	506.5	507.0	507.4	507.8	508.0	508.1	508.3	508.5	508.1
120°	547.9	548.6	548.8	549.1	549.3	549.5	549.5	549.5	549.5	549.5	549.1
122.5°	587.5	588.0	588.7	589.3	589.9	590.5	590.3	590.1	589.9	589.7	589.3
125°	649.0	649.8	650.2	650.4	650.6	650.8	650.4	649.8	649.4	648.9	648.6
127.5°	708.1	708.6	708.9	709.2	709.4	709.7	709.5	709.2	709.0	708.8	708.5
130°	746.4	747.2	747.7	748.1	748.6	749.0	748.8	748.6	748.3	748.1	747.8
132.5°	786.2	787.1	787.0	786.9	786.8	786.7	786.5	786.2	786.0	785.8	785.4
135°	842.5	843.2	843.5	843.7	843.9	844.1	844.1	844.1	844.1	844.1	843.7
137.5°	897.2	898.1	898.6	899.1	899.6	900.1	900.3	900.6	900.9	901.1	900.7
140°	931.6	932.5	933.2	933.9	934.5	935.2	935.7	936.1	936.6	937.1	936.8
142.5°	966.1	967.0	967.9	968.8	969.6	970.5	970.7	971.0	971.3	971.6	971.1
145°	1017.6	1018.4	1019.2	1019.9	1020.6	1021.2	1021.2	1021.2	1021.2	1021.2	1020.9
147.5°	1063.9	1064.5	1065.0	1065.5	1066.1	1066.6	1067.2	1067.7	1068.2	1068.8	1068.3
150°	1093.0	1093.3	1094.2	1095.1	1096.0	1096.9	1096.9	1096.9	1096.9	1096.9	1096.7
152.5°	1121.4	1121.7	1122.1	1122.4	1122.8	1123.2	1123.7	1124.2	1124.8	1125.3	1125.2
155°	1160.3	1160.4	1160.7	1160.9	1161.1	1161.4	1162.4	1163.3	1164.2	1165.1	1164.9
157.5°	1194.4	1194.3	1194.5	1194.7	1195.0	1195.2	1196.1	1197.0	1197.9	1198.8	1198.5
160°	1215.0	1214.8	1215.0	1215.2	1215.4	1215.7	1216.6	1217.5	1218.4	1219.3	1219.1
162.5°	1234.5	1234.3	1234.4	1234.4	1234.5	1234.5	1235.6	1236.7	1237.7	1238.8	1238.7
165°	1259.8	1259.7	1260.0	1260.2	1260.4	1260.6	1261.5	1262.4	1263.3	1264.3	1264.0
167.5°	1279.3	1278.9	1278.9	1278.9	1278.9	1278.9	1280.2	1281.6	1282.9	1284.3	1284.3
170°	1290.8	1290.3	1290.3	1290.3	1290.3	1290.3	1291.7	1293.0	1294.4	1295.8	1295.7
172.5°	1299.0	1298.5	1298.5	1298.5	1298.5	1298.5	1299.9	1301.2	1302.6	1303.9	1303.9
175°	1308.2	1307.7	1307.7	1307.7	1307.7	1307.7	1309.1	1310.4	1311.8	1313.2	1313.0
177.5°	1313.6	1313.1	1312.9	1312.8	1312.6	1312.4	1313.5	1314.6	1315.8	1316.8	1316.7
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333649-840

CATALOG NUMBER: S125RDIW-S375D1050U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	8.8	8.8	8.9	9.0	8.9	8.8	8.8	8.5	8.5	8.3	8.0
90°	22.5	23.2	23.8	24.5	23.8	23.2	22.5	21.8	20.9	19.8	18.7
92.5°	46.8	47.3	47.8	48.3	47.8	47.3	46.8	46.3	45.3	43.8	42.3
95°	86.6	87.1	87.6	88.0	87.6	87.1	86.6	86.1	85.1	83.5	82.0
97.5°	132.6	132.9	133.2	133.4	133.2	132.9	132.6	132.3	131.5	130.0	128.5
100°	166.4	166.9	167.3	167.8	167.3	166.9	166.4	166.0	164.7	162.7	160.7
102.5°	200.3	201.0	201.6	202.2	201.6	201.0	200.3	199.7	198.2	196.0	193.8
105°	251.8	252.4	253.1	253.8	253.1	252.4	251.8	251.1	250.0	248.6	247.3
107.5°	306.7	306.7	306.6	306.6	306.6	306.7	306.7	306.8	306.4	305.8	305.1
110°	346.6	346.3	346.1	345.9	346.1	346.3	346.6	346.8	346.6	345.9	345.2



TEST NUMBER: P333649-840

CATALOG NUMBER: S125RDIW-S375D1050U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	385.6	385.2	384.8	384.4	384.8	385.2	385.6	386.0	386.0	385.7	385.4
115°	445.8	445.6	445.4	445.1	445.4	445.6	445.8	446.1	446.3	446.5	446.7
117.5°	507.2	506.2	505.3	504.4	505.3	506.2	507.2	508.1	508.5	508.3	508.1
120°	548.2	547.2	546.3	545.4	546.3	547.2	548.2	549.1	549.5	549.5	549.5
122.5°	588.5	587.7	587.0	586.3	587.0	587.7	588.5	589.3	589.7	589.9	590.1
125°	648.4	648.1	647.9	647.7	647.9	648.1	648.4	648.6	648.9	649.4	649.8
127.5°	708.0	707.6	707.1	706.7	707.1	707.6	708.0	708.5	708.8	709.0	709.2
130°	747.3	746.9	746.4	746.0	746.4	746.9	747.3	747.8	748.1	748.3	748.6
132.5°	784.7	784.1	783.5	782.7	783.5	784.1	784.7	785.4	785.8	786.0	786.2
135°	842.8	841.9	841.0	840.1	841.0	841.9	842.8	843.7	844.1	844.1	844.1
137.5°	899.6	898.5	897.3	896.2	897.3	898.5	899.6	900.7	901.1	900.9	900.6
140°	935.6	934.4	933.3	932.2	933.3	934.4	935.6	936.8	937.1	936.6	936.1
142.5°	970.0	968.9	967.8	966.5	967.8	968.9	970.0	971.1	971.6	971.3	971.0
145°	1020.2	1019.5	1018.9	1018.1	1018.9	1019.5	1020.2	1020.9	1021.2	1021.2	1021.2
147.5°	1066.8	1065.2	1063.7	1062.2	1063.7	1065.2	1066.8	1068.3	1068.8	1068.2	1067.7
150°	1096.2	1095.8	1095.3	1094.9	1095.3	1095.8	1096.2	1096.7	1096.9	1096.9	1096.9
152.5°	1124.4	1123.6	1122.7	1121.9	1122.7	1123.6	1124.4	1125.2	1125.3	1124.8	1124.2
155°	1163.8	1162.7	1161.5	1160.3	1161.5	1162.7	1163.8	1164.9	1165.1	1164.2	1163.3
157.5°	1197.0	1195.5	1194.0	1192.5	1194.0	1195.5	1197.0	1198.5	1198.8	1197.9	1197.0
160°	1218.0	1216.9	1215.8	1214.6	1215.8	1216.9	1218.0	1219.1	1219.3	1218.4	1217.5
162.5°	1237.4	1236.1	1234.8	1233.4	1234.8	1236.1	1237.4	1238.7	1238.8	1237.7	1236.7
165°	1262.7	1261.3	1260.0	1258.6	1260.0	1261.3	1262.7	1264.0	1264.3	1263.3	1262.4
167.5°	1282.9	1281.5	1280.1	1278.7	1280.1	1281.5	1282.9	1284.3	1284.3	1282.9	1281.6
170°	1294.0	1292.5	1290.9	1289.3	1290.9	1292.5	1294.0	1295.7	1295.8	1294.4	1293.0
172.5°	1302.5	1301.1	1299.7	1298.3	1299.7	1301.1	1302.5	1303.9	1303.9	1302.6	1301.2
175°	1311.5	1309.9	1308.3	1306.7	1308.3	1309.9	1311.5	1313.0	1313.2	1311.8	1310.4
177.5°	1315.5	1314.1	1312.9	1311.6	1312.9	1314.1	1315.5	1316.7	1316.8	1315.8	1314.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333649-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	8.0	7.8	7.3	7.5	6.8	6.7	6.4	6.2	6.2	6.2	6.2
90°	17.5	16.4	14.7	13.2	11.6	10.0	8.3	6.5	4.6	2.8	1.0
92.5°	40.8	39.3	37.4	35.3	33.4	31.5	29.9	28.6	27.3	26.1	24.7
95°	80.4	78.8	76.5	74.2	72.0	69.7	68.4	67.9	67.5	67.0	66.6
97.5°	126.9	125.4	122.3	119.2	116.0	112.9	111.3	111.1	110.9	110.7	110.5
100°	158.6	156.5	153.6	150.7	147.6	144.7	143.3	143.3	143.3	143.3	143.3
102.5°	191.6	189.3	187.8	186.3	184.8	183.3	182.1	181.2	180.3	179.4	178.4
105°	245.9	244.6	243.2	241.9	240.4	239.1	237.8	236.7	235.6	234.4	233.3
107.5°	304.4	303.7	302.7	301.6	300.5	299.5	298.4	297.3	296.2	295.0	293.9
110°	344.5	343.9	343.2	342.4	341.7	341.1	340.2	339.0	337.9	336.8	335.6



TEST NUMBER: P333649-840

CATALOG NUMBER: S125RDIW-S375D1050U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	385.1	384.8	383.8	383.0	382.1	381.3	380.5	380.0	379.4	378.8	378.2
115°	447.0	447.2	446.7	446.3	445.8	445.4	444.6	443.7	442.8	441.9	441.0
117.5°	508.0	507.8	507.4	507.0	506.5	506.1	505.7	505.2	504.8	504.4	504.0
120°	549.5	549.5	549.3	549.1	548.8	548.6	547.9	546.7	545.6	544.5	543.3
122.5°	590.3	590.5	589.9	589.3	588.7	588.0	587.5	587.1	586.7	586.3	585.9
125°	650.4	650.8	650.6	650.4	650.2	649.8	649.0	647.7	646.3	645.0	643.6
127.5°	709.5	709.7	709.4	709.2	708.9	708.6	708.1	707.3	706.6	705.8	705.0
130°	748.8	749.0	748.6	748.1	747.7	747.2	746.4	745.3	744.2	743.0	741.8
132.5°	786.5	786.7	786.8	786.9	787.0	787.1	786.2	784.3	782.4	780.5	778.7
135°	844.1	844.1	843.9	843.7	843.5	843.2	842.5	841.1	839.7	838.4	837.0
137.5°	900.3	900.1	899.6	899.1	898.6	898.1	897.2	895.9	894.5	893.2	891.9
140°	935.7	935.2	934.5	933.9	933.2	932.5	931.6	930.5	929.4	928.2	927.1
142.5°	970.7	970.5	969.6	968.8	967.9	967.0	966.1	965.1	964.2	963.2	962.3
145°	1021.2	1021.2	1020.6	1019.9	1019.2	1018.4	1017.6	1016.7	1015.8	1014.9	1014.0
147.5°	1067.2	1066.6	1066.1	1065.5	1065.0	1064.5	1063.9	1063.4	1063.0	1062.5	1062.0
150°	1096.9	1096.9	1096.0	1095.1	1094.2	1093.3	1093.0	1093.2	1093.4	1093.7	1093.9
152.5°	1123.7	1123.2	1122.8	1122.4	1122.1	1121.7	1121.4	1121.1	1120.6	1120.3	1120.0
155°	1162.4	1161.4	1161.1	1160.9	1160.7	1160.4	1160.3	1160.3	1160.3	1160.3	1160.3
157.5°	1196.1	1195.2	1195.0	1194.7	1194.5	1194.3	1194.4	1194.9	1195.4	1195.9	1196.4
160°	1216.6	1215.7	1215.4	1215.2	1215.0	1214.8	1215.0	1215.7	1216.3	1217.0	1217.7
162.5°	1235.6	1234.5	1234.5	1234.4	1234.4	1234.3	1234.5	1235.0	1235.5	1236.0	1236.5
165°	1261.5	1260.6	1260.4	1260.2	1260.0	1259.7	1259.8	1260.3	1260.7	1261.2	1261.7
167.5°	1280.2	1278.9	1278.9	1278.9	1278.9	1278.9	1279.3	1280.2	1281.1	1282.0	1282.9
170°	1291.7	1290.3	1290.3	1290.3	1290.3	1290.3	1290.8	1291.7	1292.6	1293.5	1294.4
172.5°	1299.9	1298.5	1298.5	1298.5	1298.5	1298.5	1299.0	1299.9	1300.8	1301.7	1302.6
175°	1309.1	1307.7	1307.7	1307.7	1307.7	1307.7	1308.2	1309.1	1310.0	1310.9	1311.8
177.5°	1313.5	1312.4	1312.6	1312.8	1312.9	1313.1	1313.6	1314.3	1315.0	1315.8	1316.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333649-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.4	6.2	5.6	6.2	6.5	6.6	7.0	7.1	7.2	7.4	7.7
90°	2.8	4.6	6.5	8.3	10.0	11.6	13.2	14.7	16.4	17.5	18.7
92.5°	26.1	27.3	28.6	29.9	31.5	33.4	35.3	37.4	39.3	40.8	42.3
95°	67.0	67.5	67.9	68.4	69.7	72.0	74.2	76.5	78.8	80.4	82.0
97.5°	110.7	110.9	111.1	111.3	112.9	116.0	119.2	122.3	125.4	126.9	128.5
100°	143.3	143.3	143.3	143.3	144.7	147.6	150.7	153.6	156.5	158.6	160.7
102.5°	179.4	180.3	181.2	182.1	183.3	184.8	186.3	187.8	189.3	191.6	193.8
105°	234.4	235.6	236.7	237.8	239.1	240.4	241.9	243.2	244.6	245.9	247.3
107.5°	295.0	296.2	297.3	298.4	299.5	300.5	301.6	302.7	303.7	304.4	305.1
110°	336.8	337.9	339.0	340.2	341.1	341.7	342.4	343.2	343.9	344.5	345.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	378.8	379.4	380.0	380.5	381.3	382.1	383.0	383.8	384.8	385.1	385.4
115°	441.9	442.8	443.7	444.6	445.4	445.8	446.3	446.7	447.2	447.0	446.7
117.5°	504.4	504.8	505.2	505.7	506.1	506.5	507.0	507.4	507.8	508.0	508.1
120°	544.5	545.6	546.7	547.9	548.6	548.8	549.1	549.3	549.5	549.5	549.5
122.5°	586.3	586.7	587.1	587.5	588.0	588.7	589.3	589.9	590.5	590.3	590.1
125°	645.0	646.3	647.7	649.0	649.8	650.2	650.4	650.6	650.8	650.4	649.8
127.5°	705.8	706.6	707.3	708.1	708.6	708.9	709.2	709.4	709.7	709.5	709.2
130°	743.0	744.2	745.3	746.4	747.2	747.7	748.1	748.6	749.0	748.8	748.6
132.5°	780.5	782.4	784.3	786.2	787.1	787.0	786.9	786.8	786.7	786.5	786.2
135°	838.4	839.7	841.1	842.5	843.2	843.5	843.7	843.9	844.1	844.1	844.1
137.5°	893.2	894.5	895.9	897.2	898.1	898.6	899.1	899.6	900.1	900.3	900.6
140°	928.2	929.4	930.5	931.6	932.5	933.2	933.9	934.5	935.2	935.7	936.1
142.5°	963.2	964.2	965.1	966.1	967.0	967.9	968.8	969.6	970.5	970.7	971.0
145°	1014.9	1015.8	1016.7	1017.6	1018.4	1019.2	1019.9	1020.6	1021.2	1021.2	1021.2
147.5°	1062.5	1063.0	1063.4	1063.9	1064.5	1065.0	1065.5	1066.1	1066.6	1067.2	1067.7
150°	1093.7	1093.4	1093.2	1093.0	1093.3	1094.2	1095.1	1096.0	1096.9	1096.9	1096.9
152.5°	1120.3	1120.6	1121.1	1121.4	1121.7	1122.1	1122.4	1122.8	1123.2	1123.7	1124.2
155°	1160.3	1160.3	1160.3	1160.3	1160.4	1160.7	1160.9	1161.1	1161.4	1162.4	1163.3
157.5°	1195.9	1195.4	1194.9	1194.4	1194.3	1194.5	1194.7	1195.0	1195.2	1196.1	1197.0
160°	1217.0	1216.3	1215.7	1215.0	1214.8	1215.0	1215.2	1215.4	1215.7	1216.6	1217.5
162.5°	1236.0	1235.5	1235.0	1234.5	1234.3	1234.4	1234.4	1234.5	1234.5	1235.6	1236.7
165°	1261.2	1260.7	1260.3	1259.8	1259.7	1260.0	1260.2	1260.4	1260.6	1261.5	1262.4
167.5°	1282.0	1281.1	1280.2	1279.3	1278.9	1278.9	1278.9	1278.9	1278.9	1280.2	1281.6
170°	1293.5	1292.6	1291.7	1290.8	1290.3	1290.3	1290.3	1290.3	1290.3	1291.7	1293.0
172.5°	1301.7	1300.8	1299.9	1299.0	1298.5	1298.5	1298.5	1298.5	1298.5	1299.9	1301.2
175°	1310.9	1310.0	1309.1	1308.2	1307.7	1307.7	1307.7	1307.7	1307.7	1309.1	1310.4
177.5°	1315.8	1315.0	1314.3	1313.6	1313.1	1312.9	1312.8	1312.6	1312.4	1313.5	1314.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	8.1	8.5	8.3	8.3	8.4	8.7	9.0
90°	19.8	20.9	21.8	22.5	23.2	23.8	24.5
92.5°	43.8	45.3	46.3	46.8	47.3	47.8	48.3
95°	83.5	85.1	86.1	86.6	87.1	87.6	88.0
97.5°	130.0	131.5	132.3	132.6	132.9	133.2	133.4
100°	162.7	164.7	166.0	166.4	166.9	167.3	167.8
102.5°	196.0	198.2	199.7	200.3	201.0	201.6	202.2
105°	248.6	250.0	251.1	251.8	252.4	253.1	253.8
107.5°	305.8	306.4	306.8	306.7	306.7	306.6	306.6
110°	345.9	346.6	346.8	346.6	346.3	346.1	345.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	385.7	386.0	386.0	385.6	385.2	384.8	384.4
115°	446.5	446.3	446.1	445.8	445.6	445.4	445.1
117.5°	508.3	508.5	508.1	507.2	506.2	505.3	504.4
120°	549.5	549.5	549.1	548.2	547.2	546.3	545.4
122.5°	589.9	589.7	589.3	588.5	587.7	587.0	586.3
125°	649.4	648.9	648.6	648.4	648.1	647.9	647.7
127.5°	709.0	708.8	708.5	708.0	707.6	707.1	706.7
130°	748.3	748.1	747.8	747.3	746.9	746.4	746.0
132.5°	786.0	785.8	785.4	784.7	784.1	783.5	782.7
135°	844.1	844.1	843.7	842.8	841.9	841.0	840.1
137.5°	900.9	901.1	900.7	899.6	898.5	897.3	896.2
140°	936.6	937.1	936.8	935.6	934.4	933.3	932.2
142.5°	971.3	971.6	971.1	970.0	968.9	967.8	966.5
145°	1021.2	1021.2	1020.9	1020.2	1019.5	1018.9	1018.1
147.5°	1068.2	1068.8	1068.3	1066.8	1065.2	1063.7	1062.2
150°	1096.9	1096.9	1096.7	1096.2	1095.8	1095.3	1094.9
152.5°	1124.8	1125.3	1125.2	1124.4	1123.6	1122.7	1121.9
155°	1164.2	1165.1	1164.9	1163.8	1162.7	1161.5	1160.3
157.5°	1197.9	1198.8	1198.5	1197.0	1195.5	1194.0	1192.5
160°	1218.4	1219.3	1219.1	1218.0	1216.9	1215.8	1214.6
162.5°	1237.7	1238.8	1238.7	1237.4	1236.1	1234.8	1233.4
165°	1263.3	1264.3	1264.0	1262.7	1261.3	1260.0	1258.6
167.5°	1282.9	1284.3	1284.3	1282.9	1281.5	1280.1	1278.7
170°	1294.4	1295.8	1295.7	1294.0	1292.5	1290.9	1289.3
172.5°	1302.6	1303.9	1303.9	1302.5	1301.1	1299.7	1298.3
175°	1311.8	1313.2	1313.0	1311.5	1309.9	1308.3	1306.7
177.5°	1315.8	1316.8	1316.7	1315.5	1314.1	1312.9	1311.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8

(END OF REPORT)