

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: P333142-830

Luminaire Tested: **S125DIP-S375D1035U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333142-830  
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: S125DIP-S375D1035U830-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5349.1 lumens  
Efficiency: N/A  
Efficacy: 143.4 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

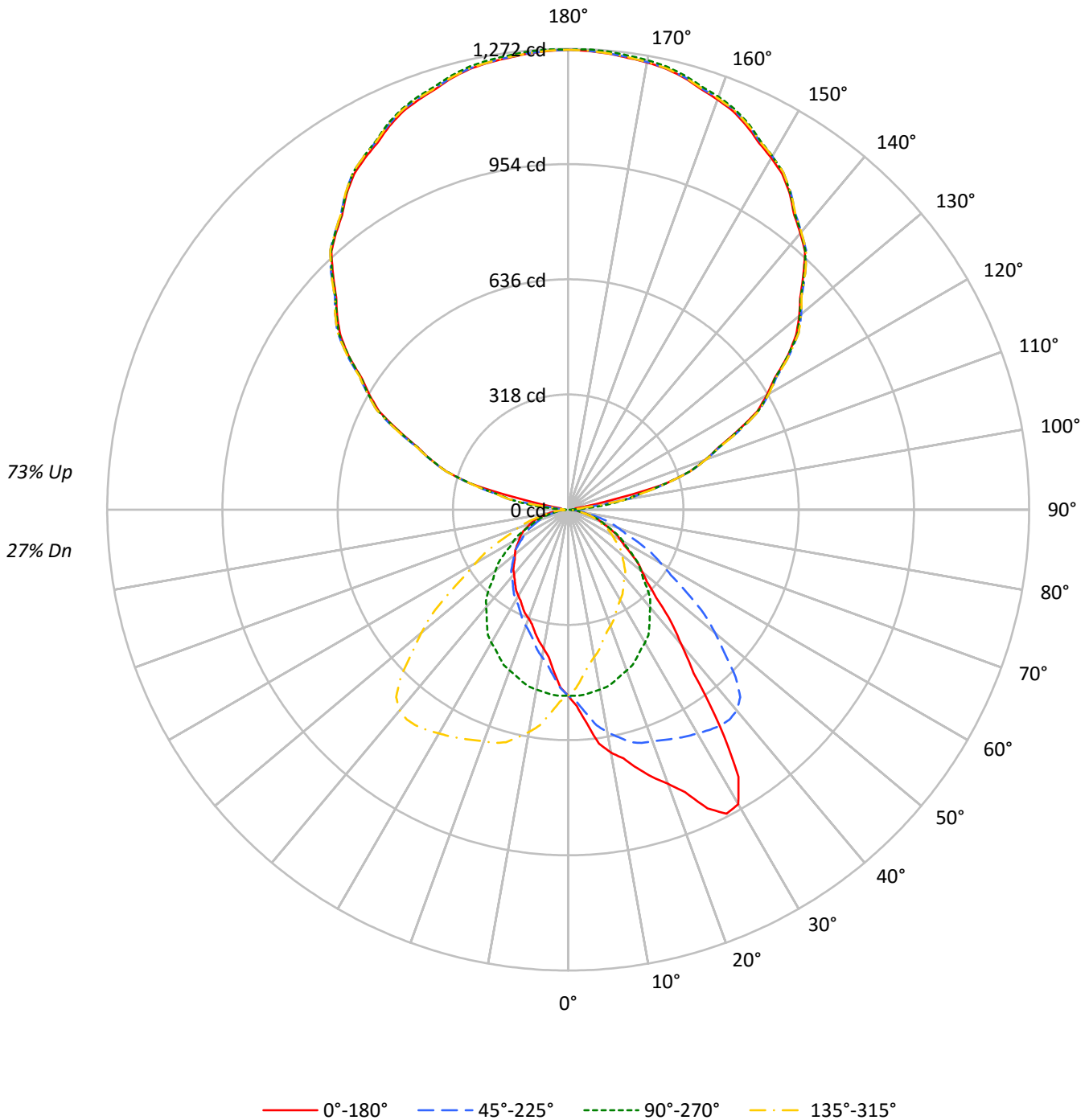
Input Watts (W): 37.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	73	62	60	58	46	45	43	31	30	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	24	23	22	17
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	57	48	42	37	38	33	30	29	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	23	23	20	18	16	14	13	10
8	51	39	32	26	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	21	26	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°	3314	3314	3314	3314
5°	3837	3325	2912	3325
10°	4465	3308	2551	3308
15°	4942	3284	2353	3284
20°	5532	3245	2194	3245
25°	6481	3202	2117	3202
30°	7000	3159	2049	3159
35°	5755	3079	2006	3079
40°	4091	2967	1957	2967
45°	3143	2817	1929	2817
50°	2683	2629	1925	2629
55°	2389	2448	1942	2448
60°	2155	2248	1992	2248
65°	1991	2046	2043	2046
70°	1811	1839	2073	1839
75°	1597	1619	2054	1619
80°	1346	1320	1878	1320
85°	1067	948	1519	948



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	0.9
10°-20°	147.1	2.7
20°-30°	238.8	4.5
30°-40°	291.3	5.4
40°-50°	265.0	5.0
50°-60°	211.1	3.9
60°-70°	147.0	2.7
70°-80°	78.4	1.5
80°-90°	22.4	0.4
90°-100°	46.1	0.9
100°-110°	284.3	5.3
110°-120°	515.7	9.6
120°-130°	661.8	12.4
130°-140°	711.8	13.3
140°-150°	668.2	12.5
150°-160°	540.5	10.1
160°-170°	349.6	6.5
170°-180°	120.6	2.3
0°-30°	435.3	8.1
0°-40°	726.6	13.6
0°-60°	1202.7	22.5
0°-90°	1450.6	27.1
90°-120°	846.1	15.8
90°-150°	2887.9	54.0
90°-180°	3899.0	72.9
0°-180°	5349.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	513	513	513	513	513	
5°	592	513	449	513	592	60
15°	739	491	352	491	739	212
25°	910	449	297	449	910	415
35°	730	390	254	390	730	447
45°	344	308	211	308	344	275
55°	212	217	172	217	212	191
65°	130	134	134	134	130	129
75°	64	65	82	65	64	69
85°	14	13	20	13	14	17
90°	23	1	23	1	23	10
95°	20	54	20	54	20	16
105°	280	277	280	277	280	253
115°	516	520	516	520	516	512
125°	739	739	739	739	739	657
135°	918	921	918	921	918	708
145°	1065	1068	1065	1068	1065	665
155°	1168	1176	1168	1176	1168	538
165°	1235	1241	1235	1241	1235	348
175°	1264	1270	1264	1270	1264	120
180°	1270	1270	1270	1270	1270	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	542.7	542.1	541.3	540.0	541.0	538.0	536.7	534.2	531.2	530.2	529.0
5°	591.9	593.0	594.2	589.6	590.0	586.9	579.9	574.3	569.8	563.8	559.7
7.5°	651.2	648.7	648.4	645.5	640.4	636.2	629.0	619.6	610.6	600.3	591.8
10°	680.8	681.1	679.1	675.6	670.1	666.2	656.7	647.5	636.4	623.3	614.0
12.5°	703.1	704.1	701.5	696.8	694.2	685.4	677.9	667.0	653.8	643.4	629.1
15°	739.1	736.8	735.1	729.2	724.6	715.5	703.5	692.1	677.8	664.5	651.2
17.5°	773.9	775.9	772.6	767.2	753.0	742.3	726.3	710.8	692.9	675.0	659.2
20°	804.9	806.7	801.7	792.3	775.3	764.7	743.6	723.5	702.9	680.0	662.5
22.5°	843.7	842.3	835.5	821.2	806.5	786.8	763.9	739.5	713.6	687.8	664.6
25°	909.5	900.3	896.2	878.5	859.2	830.2	798.9	763.2	730.9	696.7	667.1
27.5°	946.0	943.1	938.5	926.2	905.9	874.9	837.9	794.4	748.9	705.8	666.9
30°	938.7	939.1	939.5	935.7	922.6	899.3	862.4	815.7	761.6	713.0	668.2
32.5°	873.8	881.7	889.4	898.3	902.0	897.5	874.5	832.2	776.6	721.4	667.5
35°	730.0	732.4	757.1	781.5	814.5	840.3	857.4	838.7	791.9	728.5	666.7
37.5°	569.2	581.0	598.0	625.6	673.4	716.1	771.2	796.4	781.4	730.8	665.2
40°	485.2	496.2	507.3	535.4	575.6	627.5	689.9	743.3	755.7	723.5	659.9
42.5°	420.5	429.0	441.4	462.5	496.2	542.1	601.8	671.6	714.4	702.3	648.9
45°	344.1	349.6	359.1	375.9	400.3	436.2	488.9	565.1	631.6	653.6	622.9
47.5°	294.5	294.5	302.0	313.5	331.1	361.7	400.7	460.3	531.3	583.8	581.4
50°	267.0	265.9	271.8	281.8	295.8	316.0	353.3	401.0	469.1	528.6	545.2
52.5°	243.3	243.5	247.0	254.5	266.2	283.4	311.2	354.3	412.5	473.5	504.7
55°	212.2	211.2	215.4	220.4	228.9	240.3	260.2	293.1	340.4	400.5	441.0
57.5°	183.5	186.0	187.6	191.1	198.1	205.8	222.6	246.8	284.3	335.8	378.6
60°	166.8	169.2	170.5	174.0	179.6	186.2	199.3	218.9	250.4	294.9	337.3
62.5°	151.8	153.7	154.2	157.3	161.9	168.2	178.5	195.0	220.0	258.8	300.4
65°	130.3	130.3	131.1	134.4	136.6	142.2	150.1	162.0	182.1	212.4	247.9
67.5°	109.4	110.5	110.3	111.7	113.7	118.1	123.7	133.6	148.5	170.5	199.0
70°	95.9	96.7	96.5	97.6	99.7	102.5	107.2	116.5	127.1	146.1	170.5
72.5°	83.6	84.0	83.4	84.8	86.1	88.6	93.8	98.8	108.7	124.7	144.8
75°	64.0	64.5	64.9	65.8	67.1	68.4	71.0	76.0	82.6	94.5	107.4
77.5°	48.0	47.1	48.3	48.1	48.8	49.9	52.1	54.8	60.1	67.8	77.7
80°	36.2	36.4	36.4	36.6	37.7	38.4	40.2	42.2	46.4	52.0	59.0
82.5°	26.4	27.0	26.6	27.1	27.9	28.4	29.5	31.1	33.5	38.0	43.0
85°	14.4	13.3	13.8	14.1	14.1	14.4	15.3	15.9	17.2	18.9	20.9
87.5°	8.7	9.0	9.0	8.9	8.9	8.8	9.2	9.0	9.3	9.6	10.0
90°	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2	16.1	15.1	13.6
92.5°	21.1	20.8	20.5	20.2	19.9	19.2	18.2	17.2	16.1	15.1	13.8
95°	19.8	19.8	19.8	19.8	19.8	19.2	18.2	17.2	16.1	15.1	23.0
97.5°	19.8	19.8	19.8	19.8	19.8	22.7	28.7	34.5	40.4	46.3	62.0
100°	19.8	20.6	21.4	22.2	23.1	39.1	70.3	101.4	132.6	163.7	162.9
102.5°	118.4	132.6	146.8	161.1	175.3	185.3	191.2	197.1	203.0	209.0	208.4
105°	279.5	279.7	279.9	280.1	280.3	280.4	280.4	280.4	280.4	280.4	280.4
107.5°	352.3	353.0	353.6	354.2	354.9	355.2	355.2	355.1	355.1	355.0	354.6
110°	402.7	402.6	402.4	402.2	402.0	402.2	402.7	403.4	404.1	404.6	404.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	448.0	448.3	448.6	448.8	449.1	449.7	450.4	451.3	452.0	452.9	452.6
115°	515.8	517.0	518.2	519.5	520.8	521.8	522.6	523.5	524.3	525.1	524.9
117.5°	588.0	588.5	589.1	589.7	590.1	591.0	592.1	593.1	594.3	595.3	594.6
120°	632.4	633.5	634.5	635.6	636.6	637.3	637.7	638.2	638.6	639.0	638.4
122.5°	674.6	675.8	677.0	678.3	679.4	680.2	680.7	681.1	681.5	681.9	681.6
125°	738.8	739.4	740.0	740.6	741.3	742.0	742.8	743.7	744.5	745.4	745.4
127.5°	792.8	794.4	795.9	797.4	799.0	799.9	800.4	800.9	801.3	801.8	801.9
130°	831.9	833.0	834.1	835.1	836.1	837.0	837.5	838.2	838.9	839.4	839.2
132.5°	868.1	869.1	870.2	871.2	872.2	872.8	873.0	873.1	873.2	873.4	873.8
135°	917.6	918.8	920.1	921.3	922.6	923.4	923.9	924.3	924.6	925.1	925.5
137.5°	967.2	968.4	969.4	970.5	971.6	972.1	972.0	971.9	971.9	971.8	972.1
140°	996.6	997.9	999.1	1000.4	1001.6	1002.0	1001.6	1001.3	1000.8	1000.4	1000.6
142.5°	1024.4	1025.8	1027.0	1028.2	1029.5	1030.1	1030.0	1029.9	1029.8	1029.7	1029.4
145°	1065.4	1066.6	1067.8	1069.1	1070.4	1070.8	1070.6	1070.4	1070.3	1070.1	1070.1
147.5°	1099.0	1100.5	1102.0	1103.5	1105.0	1105.7	1105.4	1105.1	1104.9	1104.7	1104.4
150°	1120.9	1122.5	1124.2	1125.9	1127.6	1128.1	1127.8	1127.4	1126.9	1126.5	1126.1
152.5°	1141.1	1142.6	1144.2	1145.7	1147.2	1147.7	1147.4	1146.9	1146.5	1146.0	1145.7
155°	1167.9	1169.6	1171.2	1172.9	1174.6	1175.2	1174.5	1173.8	1173.3	1172.6	1172.1
157.5°	1190.3	1191.9	1193.6	1195.3	1197.0	1197.5	1196.8	1196.2	1195.5	1194.9	1194.8
160°	1204.6	1206.3	1208.0	1209.7	1211.3	1211.7	1210.9	1210.0	1209.2	1208.3	1208.2
162.5°	1217.4	1219.3	1221.1	1222.9	1224.7	1225.1	1223.9	1222.8	1221.6	1220.4	1220.2
165°	1234.7	1236.4	1238.0	1239.7	1241.4	1241.6	1240.4	1239.1	1237.8	1236.6	1236.4
167.5°	1246.8	1248.7	1250.6	1252.5	1254.3	1254.5	1253.0	1251.5	1250.0	1248.5	1248.2
170°	1253.6	1255.5	1257.4	1259.1	1261.0	1261.2	1259.5	1257.8	1256.1	1254.5	1254.2
172.5°	1258.1	1259.9	1261.8	1263.7	1265.6	1265.7	1264.2	1262.7	1261.2	1259.7	1259.3
175°	1263.9	1265.7	1267.6	1269.5	1271.4	1271.5	1269.9	1268.2	1266.5	1264.8	1264.6
177.5°	1267.2	1268.7	1270.0	1271.3	1272.6	1272.7	1271.6	1270.4	1269.2	1268.0	1267.9
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	527.9	526.7	525.3	522.8	519.9	518.3	515.9	514.3	511.2	508.6	505.8
5°	554.7	549.0	543.8	537.1	529.7	524.9	519.2	512.9	506.3	499.6	492.2
7.5°	582.5	572.4	561.6	549.9	538.4	527.8	517.7	507.9	498.7	487.5	478.1
10°	601.1	588.4	575.0	559.1	543.6	530.1	516.4	504.4	492.2	479.2	467.6
12.5°	619.7	602.9	583.8	566.4	547.8	531.5	515.4	500.0	484.7	470.2	456.8
15°	632.9	618.1	600.5	575.6	554.7	532.3	511.0	491.2	472.6	456.5	439.5
17.5°	641.6	622.5	603.5	579.8	552.3	527.3	503.0	480.3	459.5	439.0	422.7
20°	643.1	623.5	603.7	580.4	552.3	523.6	499.4	472.2	449.8	428.6	408.6
22.5°	642.6	620.4	598.8	574.9	547.4	520.9	491.7	464.0	439.6	418.9	397.9
25°	637.7	614.0	586.9	562.8	535.7	507.7	478.1	449.3	424.5	400.8	380.0
27.5°	633.6	602.9	572.2	544.0	517.9	492.2	463.8	434.4	406.9	382.9	363.4
30°	628.6	594.7	560.3	530.9	504.2	479.2	452.3	423.6	394.8	371.4	350.4
32.5°	624.1	584.7	548.4	516.3	488.0	463.6	438.9	411.6	383.3	359.5	338.6
35°	615.3	569.8	528.1	492.0	461.8	436.7	415.9	390.5	364.6	341.5	321.5
37.5°	604.2	550.2	505.5	467.6	434.4	408.0	388.8	369.2	344.3	322.1	304.0
40°	595.4	536.2	488.9	450.2	415.8	388.3	370.4	351.9	331.3	310.6	291.4
42.5°	584.5	523.7	472.2	430.5	396.4	369.7	350.9	335.3	317.0	297.7	279.9
45°	564.3	501.0	445.2	400.3	365.9	339.5	320.2	308.4	294.6	276.4	261.4
47.5°	534.6	473.6	415.9	369.7	334.1	309.7	291.5	280.2	270.6	257.0	243.4
50°	508.3	453.3	394.8	348.9	313.4	288.8	272.0	261.7	253.5	243.1	231.5
52.5°	478.9	427.6	374.1	328.7	293.5	269.3	252.9	243.8	237.0	229.5	218.1
55°	432.1	388.5	338.8	295.8	263.3	239.6	225.2	217.4	211.7	206.0	199.1
57.5°	380.6	346.5	302.6	263.1	233.2	211.6	198.2	190.6	186.2	183.2	179.2
60°	344.3	315.2	277.3	241.3	212.2	192.9	179.9	174.0	170.3	168.0	164.9
62.5°	310.7	286.7	251.7	218.9	193.3	175.2	163.5	157.8	154.3	153.1	150.6
65°	261.2	242.6	213.7	186.4	164.7	149.2	139.4	133.9	131.8	130.4	130.6
67.5°	212.3	201.0	177.8	154.6	137.1	124.2	116.3	112.2	111.0	109.3	109.3
70°	182.5	174.0	154.4	134.1	118.7	108.7	101.7	97.4	96.2	95.4	95.2
72.5°	156.2	148.7	131.8	115.6	101.6	92.8	87.1	84.5	82.7	82.2	82.1
75°	117.3	113.3	99.7	86.9	77.3	71.3	67.3	64.9	63.6	63.3	63.6
77.5°	83.4	79.8	71.3	62.1	56.1	51.5	48.2	47.3	45.9	45.9	45.7
80°	62.7	60.3	54.9	47.7	42.7	38.7	37.0	35.5	35.1	34.4	35.1
82.5°	45.4	42.9	39.2	34.6	30.4	28.2	26.4	25.9	25.6	25.4	25.4
85°	22.4	22.6	20.5	17.0	15.3	13.9	12.8	12.8	12.6	12.4	12.6
87.5°	10.1	9.4	8.5	7.6	6.4	5.6	5.1	4.9	4.7	4.9	5.4
90°	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9	2.6	4.2	5.9
92.5°	12.4	11.1	9.9	9.8	10.9	12.2	13.3	14.5	13.3	12.2	10.9
95°	30.9	38.9	46.8	51.2	51.7	52.4	53.0	53.6	53.0	52.4	51.7
97.5°	77.8	93.5	109.2	116.5	115.4	114.2	113.1	112.0	113.1	114.2	115.4
100°	162.1	161.3	160.4	159.7	159.0	158.4	157.8	157.1	157.8	158.4	159.0
102.5°	207.9	207.5	206.9	206.2	205.5	204.7	203.9	203.1	203.9	204.7	205.5
105°	280.4	280.4	280.4	280.0	279.2	278.3	277.5	276.6	277.5	278.3	279.2
107.5°	354.1	353.7	353.3	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1
110°	403.9	403.4	403.0	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7





TEST NUMBER: P333142-830

CATALOG NUMBER: S125DIP-S375D1035U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	452.3	452.1	451.9	451.5	451.0	450.4	450.0	449.5	450.0	450.4	451.0
115°	524.7	524.5	524.3	523.7	522.6	521.6	520.6	519.5	520.6	521.6	522.6
117.5°	593.7	593.0	592.2	591.8	591.8	591.8	591.9	591.9	591.9	591.8	591.8
120°	637.7	637.2	636.5	636.3	636.5	636.7	636.9	637.2	636.9	636.7	636.5
122.5°	681.4	681.1	680.7	680.2	679.4	678.6	677.8	677.0	677.8	678.6	679.4
125°	745.4	745.4	745.4	744.6	743.2	741.7	740.2	738.8	740.2	741.7	743.2
127.5°	802.1	802.2	802.3	801.8	800.8	799.7	798.7	797.7	798.7	799.7	800.8
130°	839.1	838.9	838.6	838.0	837.0	835.9	834.9	833.8	834.9	835.9	837.0
132.5°	874.3	874.7	875.2	874.8	873.5	872.4	871.2	870.0	871.2	872.4	873.5
135°	926.0	926.3	926.8	926.3	925.1	923.9	922.6	921.3	922.6	923.9	925.1
137.5°	972.5	972.9	973.3	972.9	971.9	970.7	969.7	968.6	969.7	970.7	971.9
140°	1000.8	1001.0	1001.3	1001.1	1000.7	1000.3	999.8	999.5	999.8	1000.3	1000.7
142.5°	1029.2	1028.9	1028.6	1028.3	1028.0	1027.8	1027.6	1027.3	1027.6	1027.8	1028.0
145°	1070.1	1070.1	1070.1	1069.8	1069.4	1068.9	1068.6	1068.2	1068.6	1068.9	1069.4
147.5°	1104.2	1103.9	1103.6	1103.5	1103.6	1103.7	1103.8	1103.9	1103.8	1103.7	1103.6
150°	1125.7	1125.2	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5	1126.1	1125.7	1125.2
152.5°	1145.2	1144.8	1144.4	1144.6	1145.6	1146.5	1147.5	1148.3	1147.5	1146.5	1145.6
155°	1171.8	1171.4	1170.9	1171.4	1172.6	1173.8	1175.2	1176.4	1175.2	1173.8	1172.6
157.5°	1194.8	1194.7	1194.7	1195.0	1195.8	1196.6	1197.2	1198.0	1197.2	1196.6	1195.8
160°	1208.0	1207.8	1207.5	1208.1	1209.3	1210.6	1211.8	1213.1	1211.8	1210.6	1209.3
162.5°	1220.0	1219.7	1219.6	1220.1	1221.3	1222.6	1223.9	1225.1	1223.9	1222.6	1221.3
165°	1236.1	1236.0	1235.8	1236.3	1237.6	1238.8	1240.0	1241.3	1240.0	1238.8	1237.6
167.5°	1248.0	1247.8	1247.6	1248.2	1249.4	1250.8	1252.1	1253.4	1252.1	1250.8	1249.4
170°	1254.1	1253.9	1253.7	1254.2	1255.7	1257.2	1258.7	1260.1	1258.7	1257.2	1255.7
172.5°	1259.0	1258.6	1258.3	1258.8	1260.3	1261.7	1263.2	1264.6	1263.2	1261.7	1260.3
175°	1264.4	1264.2	1264.0	1264.5	1265.7	1267.1	1268.3	1269.5	1268.3	1267.1	1265.7
177.5°	1267.7	1267.5	1267.3	1267.8	1268.8	1269.8	1270.8	1271.8	1270.8	1269.8	1268.8
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333142-830

CATALOG NUMBER: S125DIP-S375D1035U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	504.3	502.3	500.8	497.3	495.3	492.8	490.7	492.9	490.5	491.5	489.9
5°	488.5	482.4	478.1	471.7	466.3	461.3	457.6	456.9	455.2	454.3	451.7
7.5°	469.6	461.9	454.5	446.2	439.2	432.2	427.6	423.9	421.4	418.1	415.8
10°	458.5	448.2	439.5	429.5	420.8	413.1	407.1	404.0	401.1	397.0	395.5
12.5°	444.7	434.1	423.5	412.7	404.4	395.9	390.7	386.1	384.1	379.5	379.0
15°	428.2	412.3	401.8	391.0	379.4	372.4	368.1	363.1	360.9	357.6	355.2
17.5°	408.5	394.3	381.3	369.9	360.1	354.2	348.7	345.3	341.6	339.4	335.5
20°	394.2	380.7	367.6	355.6	348.0	341.3	337.0	333.7	329.7	328.7	324.7
22.5°	382.2	367.3	354.8	344.7	336.4	328.8	324.0	321.8	319.1	315.8	315.0
25°	362.6	347.1	336.5	326.5	319.1	312.1	308.9	306.0	303.4	301.0	300.1
27.5°	345.7	331.9	319.2	310.2	303.7	297.4	294.5	291.1	289.2	287.2	284.8
30°	333.8	319.7	308.6	299.9	292.9	287.3	284.2	281.8	280.1	278.3	277.0
32.5°	321.7	308.6	297.8	289.3	282.3	278.1	275.3	273.6	271.7	269.7	268.0
35°	305.6	291.2	280.7	273.3	267.9	264.6	261.6	260.0	257.9	257.9	256.1
37.5°	287.4	274.9	265.7	259.0	254.1	251.2	247.9	246.9	245.4	244.5	243.9
40°	276.6	265.0	256.4	249.6	244.4	242.0	239.3	237.6	236.8	235.6	235.3
42.5°	265.4	254.4	246.1	239.9	235.3	233.3	230.8	229.6	227.8	226.4	226.1
45°	248.5	237.8	230.2	225.2	221.3	218.9	217.4	214.7	213.9	212.2	211.9
47.5°	232.4	222.2	214.7	210.6	207.2	205.2	202.8	200.2	199.2	198.3	198.2
50°	220.4	211.0	204.1	200.2	196.9	194.1	191.6	189.9	189.3	189.3	189.7
52.5°	208.2	200.2	194.4	189.5	186.4	183.4	181.2	180.1	179.2	180.2	181.0
55°	190.4	182.3	178.0	173.3	170.3	166.8	165.7	165.3	164.7	166.4	167.3
57.5°	171.4	165.8	160.7	156.2	153.4	151.4	150.0	149.7	150.9	151.7	154.6
60°	159.4	152.9	148.4	144.9	141.6	140.3	139.8	139.4	140.3	142.6	146.4
62.5°	146.2	140.9	135.9	133.4	130.9	128.8	128.7	128.9	130.6	133.5	137.1
65°	126.8	122.2	118.9	115.8	113.9	112.6	113.0	113.9	115.8	119.6	123.7
67.5°	107.0	103.9	100.9	98.5	96.6	96.6	97.1	98.4	100.7	104.9	108.7
70°	94.3	90.9	88.4	87.4	85.8	84.9	86.2	88.4	90.4	94.3	97.6
72.5°	81.6	78.6	76.7	76.0	75.3	74.6	75.1	77.5	80.1	84.0	87.8
75°	62.7	61.6	60.3	59.5	58.8	59.3	59.7	61.8	64.0	68.1	72.5
77.5°	45.8	44.7	43.8	43.6	43.3	43.5	44.8	46.4	48.4	51.5	54.8
80°	34.6	34.2	33.7	33.6	33.6	33.7	35.5	36.6	38.5	41.4	44.0
82.5°	25.3	25.0	24.9	24.8	25.0	25.1	26.1	27.5	29.1	31.3	33.6
85°	13.3	12.8	13.5	13.8	13.3	13.9	14.4	15.3	15.9	17.0	18.1
87.5°	5.8	6.5	6.7	7.2	7.4	8.1	8.1	9.0	9.5	10.1	10.1
90°	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2	18.2	19.2	20.1
92.5°	9.8	9.9	11.1	12.4	13.8	15.1	16.1	17.2	18.2	19.2	19.9
95°	51.2	46.8	38.9	30.9	23.0	15.1	16.1	17.2	18.2	19.2	19.8
97.5°	116.5	109.2	93.5	77.8	62.0	46.3	40.4	34.5	28.7	22.7	19.8
100°	159.7	160.4	161.3	162.1	162.9	163.7	132.6	101.4	70.3	39.1	23.1
102.5°	206.2	206.9	207.5	207.9	208.4	209.0	203.0	197.1	191.2	185.3	175.3
105°	280.0	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.3
107.5°	353.1	353.3	353.7	354.1	354.6	355.0	355.1	355.1	355.2	355.2	354.9
110°	402.7	403.0	403.4	403.9	404.3	404.6	404.1	403.4	402.7	402.2	402.0



TEST NUMBER: P333142-830

CATALOG NUMBER: S125DIP-S375D1035U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	451.5	451.9	452.1	452.3	452.6	452.9	452.0	451.3	450.4	449.7	449.1
115°	523.7	524.3	524.5	524.7	524.9	525.1	524.3	523.5	522.6	521.8	520.8
117.5°	591.8	592.2	593.0	593.7	594.6	595.3	594.3	593.1	592.1	591.0	590.1
120°	636.3	636.5	637.2	637.7	638.4	639.0	638.6	638.2	637.7	637.3	636.6
122.5°	680.2	680.7	681.1	681.4	681.6	681.9	681.5	681.1	680.7	680.2	679.4
125°	744.6	745.4	745.4	745.4	745.4	745.4	744.5	743.7	742.8	742.0	741.3
127.5°	801.8	802.3	802.2	802.1	801.9	801.8	801.3	800.9	800.4	799.9	799.0
130°	838.0	838.6	838.9	839.1	839.2	839.4	838.9	838.2	837.5	837.0	836.1
132.5°	874.8	875.2	874.7	874.3	873.8	873.4	873.2	873.1	873.0	872.8	872.2
135°	926.3	926.8	926.3	926.0	925.5	925.1	924.6	924.3	923.9	923.4	922.6
137.5°	972.9	973.3	972.9	972.5	972.1	971.8	971.9	971.9	972.0	972.1	971.6
140°	1001.1	1001.3	1001.0	1000.8	1000.6	1000.4	1000.8	1001.3	1001.6	1002.0	1001.6
142.5°	1028.3	1028.6	1028.9	1029.2	1029.4	1029.7	1029.8	1029.9	1030.0	1030.1	1029.5
145°	1069.8	1070.1	1070.1	1070.1	1070.1	1070.1	1070.3	1070.4	1070.6	1070.8	1070.4
147.5°	1103.5	1103.6	1103.9	1104.2	1104.4	1104.7	1104.9	1105.1	1105.4	1105.7	1105.0
150°	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5	1126.9	1127.4	1127.8	1128.1	1127.6
152.5°	1144.6	1144.4	1144.8	1145.2	1145.7	1146.0	1146.5	1146.9	1147.4	1147.7	1147.2
155°	1171.4	1170.9	1171.4	1171.8	1172.1	1172.6	1173.3	1173.8	1174.5	1175.2	1174.6
157.5°	1195.0	1194.7	1194.7	1194.8	1194.8	1194.9	1195.5	1196.2	1196.8	1197.5	1197.0
160°	1208.1	1207.5	1207.8	1208.0	1208.2	1208.3	1209.2	1210.0	1210.9	1211.7	1211.3
162.5°	1220.1	1219.6	1219.7	1220.0	1220.2	1220.4	1221.6	1222.8	1223.9	1225.1	1224.7
165°	1236.3	1235.8	1236.0	1236.1	1236.4	1236.6	1237.8	1239.1	1240.4	1241.6	1241.4
167.5°	1248.2	1247.6	1247.8	1248.0	1248.2	1248.5	1250.0	1251.5	1253.0	1254.5	1254.3
170°	1254.2	1253.7	1253.9	1254.1	1254.2	1254.5	1256.1	1257.8	1259.5	1261.2	1261.0
172.5°	1258.8	1258.3	1258.6	1259.0	1259.3	1259.7	1261.2	1262.7	1264.2	1265.7	1265.6
175°	1264.5	1264.0	1264.2	1264.4	1264.6	1264.8	1266.5	1268.2	1269.9	1271.5	1271.4
177.5°	1267.8	1267.3	1267.5	1267.7	1267.9	1268.0	1269.2	1270.4	1271.6	1272.7	1272.6
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333142-830

CATALOG NUMBER: S125DIP-S375D1035U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	488.9	490.1	489.1	490.5	489.1	490.1	488.9	489.9	491.5	490.5	492.9
5°	450.6	448.7	450.0	449.1	450.0	448.7	450.6	451.7	454.3	455.2	456.9
7.5°	415.3	413.4	411.2	410.2	411.2	413.4	415.3	415.8	418.1	421.4	423.9
10°	393.1	390.7	390.5	389.0	390.5	390.7	393.1	395.5	397.0	401.1	404.0
12.5°	376.9	374.7	372.2	371.6	372.2	374.7	376.9	379.0	379.5	384.1	386.1
15°	353.9	352.1	350.6	351.9	350.6	352.1	353.9	355.2	357.6	360.9	363.1
17.5°	334.8	333.4	333.1	331.5	333.1	333.4	334.8	335.5	339.4	341.6	345.3
20°	322.7	321.7	322.2	319.2	322.2	321.7	322.7	324.7	328.7	329.7	333.7
22.5°	313.2	311.0	310.8	310.2	310.8	311.0	313.2	315.0	315.8	319.1	321.8
25°	298.1	297.1	296.0	297.1	296.0	297.1	298.1	300.1	301.0	303.4	306.0
27.5°	285.0	283.7	283.4	283.6	283.4	283.7	285.0	284.8	287.2	289.2	291.1
30°	277.0	274.8	275.0	274.8	275.0	274.8	277.0	277.0	278.3	280.1	281.8
32.5°	268.3	266.8	266.6	266.2	266.6	266.8	268.3	268.0	269.7	271.7	273.6
35°	255.4	255.4	254.4	254.4	254.4	255.4	255.4	256.1	257.9	257.9	260.0
37.5°	243.4	243.2	242.5	242.6	242.5	243.2	243.4	243.9	244.5	245.4	246.9
40°	234.3	234.1	233.5	232.1	233.5	234.1	234.3	235.3	235.6	236.8	237.6
42.5°	225.6	224.9	224.6	224.1	224.6	224.9	225.6	226.1	226.4	227.8	229.6
45°	211.9	211.9	211.5	211.2	211.5	211.9	211.9	211.9	212.2	213.9	214.7
47.5°	198.6	199.0	199.8	199.6	199.8	199.0	198.6	198.2	198.3	199.2	200.2
50°	190.6	190.8	191.4	191.6	191.4	190.8	190.6	189.7	189.3	189.3	189.9
52.5°	181.7	182.9	183.8	183.6	183.8	182.9	181.7	181.0	180.2	179.2	180.1
55°	169.2	170.8	172.3	172.5	172.3	170.8	169.2	167.3	166.4	164.7	165.3
57.5°	156.9	159.0	160.6	161.2	160.6	159.0	156.9	154.6	151.7	150.9	149.7
60°	148.5	151.4	153.4	154.2	153.4	151.4	148.5	146.4	142.6	140.3	139.4
62.5°	140.5	143.7	145.6	145.8	145.6	143.7	140.5	137.1	133.5	130.6	128.9
65°	127.4	130.6	132.4	133.7	132.4	130.6	127.4	123.7	119.6	115.8	113.9
67.5°	113.3	116.6	118.5	119.5	118.5	116.6	113.3	108.7	104.9	100.7	98.4
70°	103.0	106.3	108.9	109.8	108.9	106.3	103.0	97.6	94.3	90.4	88.4
72.5°	92.9	95.9	97.9	99.0	97.9	95.9	92.9	87.8	84.0	80.1	77.5
75°	75.3	79.3	81.2	82.3	81.2	79.3	75.3	72.5	68.1	64.0	61.8
77.5°	58.1	61.6	62.9	63.4	62.9	61.6	58.1	54.8	51.5	48.4	46.4
80°	46.6	48.8	50.3	50.5	50.3	48.8	46.6	44.0	41.4	38.5	36.6
82.5°	35.8	37.6	38.1	38.6	38.1	37.6	35.8	33.6	31.3	29.1	27.5
85°	19.6	20.5	20.7	20.5	20.7	20.5	19.6	18.1	17.0	15.9	15.3
87.5°	10.6	10.6	10.7	11.1	10.7	10.6	10.6	10.1	10.1	9.5	9.0
90°	20.7	21.3	22.0	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2
92.5°	20.2	20.5	20.8	21.1	20.8	20.5	20.2	19.9	19.2	18.2	17.2
95°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.2	18.2	17.2
97.5°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	22.7	28.7	34.5
100°	22.2	21.4	20.6	19.8	20.6	21.4	22.2	23.1	39.1	70.3	101.4
102.5°	161.1	146.8	132.6	118.4	132.6	146.8	161.1	175.3	185.3	191.2	197.1
105°	280.1	279.9	279.7	279.5	279.7	279.9	280.1	280.3	280.4	280.4	280.4
107.5°	354.2	353.6	353.0	352.3	353.0	353.6	354.2	354.9	355.2	355.2	355.1
110°	402.2	402.4	402.6	402.7	402.6	402.4	402.2	402.0	402.2	402.7	403.4



TEST NUMBER: P333142-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	448.8	448.6	448.3	448.0	448.3	448.6	448.8	449.1	449.7	450.4	451.3
115°	519.5	518.2	517.0	515.8	517.0	518.2	519.5	520.8	521.8	522.6	523.5
117.5°	589.7	589.1	588.5	588.0	588.5	589.1	589.7	590.1	591.0	592.1	593.1
120°	635.6	634.5	633.5	632.4	633.5	634.5	635.6	636.6	637.3	637.7	638.2
122.5°	678.3	677.0	675.8	674.6	675.8	677.0	678.3	679.4	680.2	680.7	681.1
125°	740.6	740.0	739.4	738.8	739.4	740.0	740.6	741.3	742.0	742.8	743.7
127.5°	797.4	795.9	794.4	792.8	794.4	795.9	797.4	799.0	799.9	800.4	800.9
130°	835.1	834.1	833.0	831.9	833.0	834.1	835.1	836.1	837.0	837.5	838.2
132.5°	871.2	870.2	869.1	868.1	869.1	870.2	871.2	872.2	872.8	873.0	873.1
135°	921.3	920.1	918.8	917.6	918.8	920.1	921.3	922.6	923.4	923.9	924.3
137.5°	970.5	969.4	968.4	967.2	968.4	969.4	970.5	971.6	972.1	972.0	971.9
140°	1000.4	999.1	997.9	996.6	997.9	999.1	1000.4	1001.6	1002.0	1001.6	1001.3
142.5°	1028.2	1027.0	1025.8	1024.4	1025.8	1027.0	1028.2	1029.5	1030.1	1030.0	1029.9
145°	1069.1	1067.8	1066.6	1065.4	1066.6	1067.8	1069.1	1070.4	1070.8	1070.6	1070.4
147.5°	1103.5	1102.0	1100.5	1099.0	1100.5	1102.0	1103.5	1105.0	1105.7	1105.4	1105.1
150°	1125.9	1124.2	1122.5	1120.9	1122.5	1124.2	1125.9	1127.6	1128.1	1127.8	1127.4
152.5°	1145.7	1144.2	1142.6	1141.1	1142.6	1144.2	1145.7	1147.2	1147.7	1147.4	1146.9
155°	1172.9	1171.2	1169.6	1167.9	1169.6	1171.2	1172.9	1174.6	1175.2	1174.5	1173.8
157.5°	1195.3	1193.6	1191.9	1190.3	1191.9	1193.6	1195.3	1197.0	1197.5	1196.8	1196.2
160°	1209.7	1208.0	1206.3	1204.6	1206.3	1208.0	1209.7	1211.3	1211.7	1210.9	1210.0
162.5°	1222.9	1221.1	1219.3	1217.4	1219.3	1221.1	1222.9	1224.7	1225.1	1223.9	1222.8
165°	1239.7	1238.0	1236.4	1234.7	1236.4	1238.0	1239.7	1241.4	1241.6	1240.4	1239.1
167.5°	1252.5	1250.6	1248.7	1246.8	1248.7	1250.6	1252.5	1254.3	1254.5	1253.0	1251.5
170°	1259.1	1257.4	1255.5	1253.6	1255.5	1257.4	1259.1	1261.0	1261.2	1259.5	1257.8
172.5°	1263.7	1261.8	1259.9	1258.1	1259.9	1261.8	1263.7	1265.6	1265.7	1264.2	1262.7
175°	1269.5	1267.6	1265.7	1263.9	1265.7	1267.6	1269.5	1271.4	1271.5	1269.9	1268.2
177.5°	1271.3	1270.0	1268.7	1267.2	1268.7	1270.0	1271.3	1272.6	1272.7	1271.6	1270.4
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333142-830

CATALOG NUMBER: S125DIP-S375D1035U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	490.7	492.8	495.3	497.3	500.8	502.3	504.3	505.8	508.6	511.2	514.3
5°	457.6	461.3	466.3	471.7	478.1	482.4	488.5	492.2	499.6	506.3	512.9
7.5°	427.6	432.2	439.2	446.2	454.5	461.9	469.6	478.1	487.5	498.7	507.9
10°	407.1	413.1	420.8	429.5	439.5	448.2	458.5	467.6	479.2	492.2	504.4
12.5°	390.7	395.9	404.4	412.7	423.5	434.1	444.7	456.8	470.2	484.7	500.0
15°	368.1	372.4	379.4	391.0	401.8	412.3	428.2	439.5	456.5	472.6	491.2
17.5°	348.7	354.2	360.1	369.9	381.3	394.3	408.5	422.7	439.0	459.5	480.3
20°	337.0	341.3	348.0	355.6	367.6	380.7	394.2	408.6	428.6	449.8	472.2
22.5°	324.0	328.8	336.4	344.7	354.8	367.3	382.2	397.9	418.9	439.6	464.0
25°	308.9	312.1	319.1	326.5	336.5	347.1	362.6	380.0	400.8	424.5	449.3
27.5°	294.5	297.4	303.7	310.2	319.2	331.9	345.7	363.4	382.9	406.9	434.4
30°	284.2	287.3	292.9	299.9	308.6	319.7	333.8	350.4	371.4	394.8	423.6
32.5°	275.3	278.1	282.3	289.3	297.8	308.6	321.7	338.6	359.5	383.3	411.6
35°	261.6	264.6	267.9	273.3	280.7	291.2	305.6	321.5	341.5	364.6	390.5
37.5°	247.9	251.2	254.1	259.0	265.7	274.9	287.4	304.0	322.1	344.3	369.2
40°	239.3	242.0	244.4	249.6	256.4	265.0	276.6	291.4	310.6	331.3	351.9
42.5°	230.8	233.3	235.3	239.9	246.1	254.4	265.4	279.9	297.7	317.0	335.3
45°	217.4	218.9	221.3	225.2	230.2	237.8	248.5	261.4	276.4	294.6	308.4
47.5°	202.8	205.2	207.2	210.6	214.7	222.2	232.4	243.4	257.0	270.6	280.2
50°	191.6	194.1	196.9	200.2	204.1	211.0	220.4	231.5	243.1	253.5	261.7
52.5°	181.2	183.4	186.4	189.5	194.4	200.2	208.2	218.1	229.5	237.0	243.8
55°	165.7	166.8	170.3	173.3	178.0	182.3	190.4	199.1	206.0	211.7	217.4
57.5°	150.0	151.4	153.4	156.2	160.7	165.8	171.4	179.2	183.2	186.2	190.6
60°	139.8	140.3	141.6	144.9	148.4	152.9	159.4	164.9	168.0	170.3	174.0
62.5°	128.7	128.8	130.9	133.4	135.9	140.9	146.2	150.6	153.1	154.3	157.8
65°	113.0	112.6	113.9	115.8	118.9	122.2	126.8	130.6	130.4	131.8	133.9
67.5°	97.1	96.6	96.6	98.5	100.9	103.9	107.0	109.3	109.3	111.0	112.2
70°	86.2	84.9	85.8	87.4	88.4	90.9	94.3	95.2	95.4	96.2	97.4
72.5°	75.1	74.6	75.3	76.0	76.7	78.6	81.6	82.1	82.2	82.7	84.5
75°	59.7	59.3	58.8	59.5	60.3	61.6	62.7	63.6	63.3	63.6	64.9
77.5°	44.8	43.5	43.3	43.6	43.8	44.7	45.8	45.7	45.9	45.9	47.3
80°	35.5	33.7	33.6	33.6	33.7	34.2	34.6	35.1	34.4	35.1	35.5
82.5°	26.1	25.1	25.0	24.8	24.9	25.0	25.3	25.4	25.4	25.6	25.9
85°	14.4	13.9	13.3	13.8	13.5	12.8	13.3	12.6	12.4	12.6	12.8
87.5°	8.1	8.1	7.4	7.2	6.7	6.5	5.8	5.4	4.9	4.7	4.9
90°	16.1	15.1	13.6	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9
92.5°	16.1	15.1	13.8	12.4	11.1	9.9	9.8	10.9	12.2	13.3	14.5
95°	16.1	15.1	23.0	30.9	38.9	46.8	51.2	51.7	52.4	53.0	53.6
97.5°	40.4	46.3	62.0	77.8	93.5	109.2	116.5	115.4	114.2	113.1	112.0
100°	132.6	163.7	162.9	162.1	161.3	160.4	159.7	159.0	158.4	157.8	157.1
102.5°	203.0	209.0	208.4	207.9	207.5	206.9	206.2	205.5	204.7	203.9	203.1
105°	280.4	280.4	280.4	280.4	280.4	280.4	280.0	279.2	278.3	277.5	276.6
107.5°	355.1	355.0	354.6	354.1	353.7	353.3	353.1	353.1	353.1	353.1	353.1
110°	404.1	404.6	404.3	403.9	403.4	403.0	402.7	402.7	402.7	402.7	402.7



TEST NUMBER: P333142-830

CATALOG NUMBER: S125DIP-S375D1035U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.0	452.9	452.6	452.3	452.1	451.9	451.5	451.0	450.4	450.0	449.5
115°	524.3	525.1	524.9	524.7	524.5	524.3	523.7	522.6	521.6	520.6	519.5
117.5°	594.3	595.3	594.6	593.7	593.0	592.2	591.8	591.8	591.8	591.9	591.9
120°	638.6	639.0	638.4	637.7	637.2	636.5	636.3	636.5	636.7	636.9	637.2
122.5°	681.5	681.9	681.6	681.4	681.1	680.7	680.2	679.4	678.6	677.8	677.0
125°	744.5	745.4	745.4	745.4	745.4	745.4	744.6	743.2	741.7	740.2	738.8
127.5°	801.3	801.8	801.9	802.1	802.2	802.3	801.8	800.8	799.7	798.7	797.7
130°	838.9	839.4	839.2	839.1	838.9	838.6	838.0	837.0	835.9	834.9	833.8
132.5°	873.2	873.4	873.8	874.3	874.7	875.2	874.8	873.5	872.4	871.2	870.0
135°	924.6	925.1	925.5	926.0	926.3	926.8	926.3	925.1	923.9	922.6	921.3
137.5°	971.9	971.8	972.1	972.5	972.9	973.3	972.9	971.9	970.7	969.7	968.6
140°	1000.8	1000.4	1000.6	1000.8	1001.0	1001.3	1001.1	1000.7	1000.3	999.8	999.5
142.5°	1029.8	1029.7	1029.4	1029.2	1028.9	1028.6	1028.3	1028.0	1027.8	1027.6	1027.3
145°	1070.3	1070.1	1070.1	1070.1	1070.1	1070.1	1069.8	1069.4	1068.9	1068.6	1068.2
147.5°	1104.9	1104.7	1104.4	1104.2	1103.9	1103.6	1103.5	1103.6	1103.7	1103.8	1103.9
150°	1126.9	1126.5	1126.1	1125.7	1125.2	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5
152.5°	1146.5	1146.0	1145.7	1145.2	1144.8	1144.4	1144.6	1145.6	1146.5	1147.5	1148.3
155°	1173.3	1172.6	1172.1	1171.8	1171.4	1170.9	1171.4	1172.6	1173.8	1175.2	1176.4
157.5°	1195.5	1194.9	1194.8	1194.8	1194.7	1194.7	1195.0	1195.8	1196.6	1197.2	1198.0
160°	1209.2	1208.3	1208.2	1208.0	1207.8	1207.5	1208.1	1209.3	1210.6	1211.8	1213.1
162.5°	1221.6	1220.4	1220.2	1220.0	1219.7	1219.6	1220.1	1221.3	1222.6	1223.9	1225.1
165°	1237.8	1236.6	1236.4	1236.1	1236.0	1235.8	1236.3	1237.6	1238.8	1240.0	1241.3
167.5°	1250.0	1248.5	1248.2	1248.0	1247.8	1247.6	1248.2	1249.4	1250.8	1252.1	1253.4
170°	1256.1	1254.5	1254.2	1254.1	1253.9	1253.7	1254.2	1255.7	1257.2	1258.7	1260.1
172.5°	1261.2	1259.7	1259.3	1259.0	1258.6	1258.3	1258.8	1260.3	1261.7	1263.2	1264.6
175°	1266.5	1264.8	1264.6	1264.4	1264.2	1264.0	1264.5	1265.7	1267.1	1268.3	1269.5
177.5°	1269.2	1268.0	1267.9	1267.7	1267.5	1267.3	1267.8	1268.8	1269.8	1270.8	1271.8
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333142-830

CATALOG NUMBER: S125DIP-S375D1035U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	515.9	518.3	519.9	522.8	525.3	526.7	527.9	529.0	530.2	531.2	534.2
5°	519.2	524.9	529.7	537.1	543.8	549.0	554.7	559.7	563.8	569.8	574.3
7.5°	517.7	527.8	538.4	549.9	561.6	572.4	582.5	591.8	600.3	610.6	619.6
10°	516.4	530.1	543.6	559.1	575.0	588.4	601.1	614.0	623.3	636.4	647.5
12.5°	515.4	531.5	547.8	566.4	583.8	602.9	619.7	629.1	643.4	653.8	667.0
15°	511.0	532.3	554.7	575.6	600.5	618.1	632.9	651.2	664.5	677.8	692.1
17.5°	503.0	527.3	552.3	579.8	603.5	622.5	641.6	659.2	675.0	692.9	710.8
20°	499.4	523.6	552.3	580.4	603.7	623.5	643.1	662.5	680.0	702.9	723.5
22.5°	491.7	520.9	547.4	574.9	598.8	620.4	642.6	664.6	687.8	713.6	739.5
25°	478.1	507.7	535.7	562.8	586.9	614.0	637.7	667.1	696.7	730.9	763.2
27.5°	463.8	492.2	517.9	544.0	572.2	602.9	633.6	666.9	705.8	748.9	794.4
30°	452.3	479.2	504.2	530.9	560.3	594.7	628.6	668.2	713.0	761.6	815.7
32.5°	438.9	463.6	488.0	516.3	548.4	584.7	624.1	667.5	721.4	776.6	832.2
35°	415.9	436.7	461.8	492.0	528.1	569.8	615.3	666.7	728.5	791.9	838.7
37.5°	388.8	408.0	434.4	467.6	505.5	550.2	604.2	665.2	730.8	781.4	796.4
40°	370.4	388.3	415.8	450.2	488.9	536.2	595.4	659.9	723.5	755.7	743.3
42.5°	350.9	369.7	396.4	430.5	472.2	523.7	584.5	648.9	702.3	714.4	671.6
45°	320.2	339.5	365.9	400.3	445.2	501.0	564.3	622.9	653.6	631.6	565.1
47.5°	291.5	309.7	334.1	369.7	415.9	473.6	534.6	581.4	583.8	531.3	460.3
50°	272.0	288.8	313.4	348.9	394.8	453.3	508.3	545.2	528.6	469.1	401.0
52.5°	252.9	269.3	293.5	328.7	374.1	427.6	478.9	504.7	473.5	412.5	354.3
55°	225.2	239.6	263.3	295.8	338.8	388.5	432.1	441.0	400.5	340.4	293.1
57.5°	198.2	211.6	233.2	263.1	302.6	346.5	380.6	378.6	335.8	284.3	246.8
60°	179.9	192.9	212.2	241.3	277.3	315.2	344.3	337.3	294.9	250.4	218.9
62.5°	163.5	175.2	193.3	218.9	251.7	286.7	310.7	300.4	258.8	220.0	195.0
65°	139.4	149.2	164.7	186.4	213.7	242.6	261.2	247.9	212.4	182.1	162.0
67.5°	116.3	124.2	137.1	154.6	177.8	201.0	212.3	199.0	170.5	148.5	133.6
70°	101.7	108.7	118.7	134.1	154.4	174.0	182.5	170.5	146.1	127.1	116.5
72.5°	87.1	92.8	101.6	115.6	131.8	148.7	156.2	144.8	124.7	108.7	98.8
75°	67.3	71.3	77.3	86.9	99.7	113.3	117.3	107.4	94.5	82.6	76.0
77.5°	48.2	51.5	56.1	62.1	71.3	79.8	83.4	77.7	67.8	60.1	54.8
80°	37.0	38.7	42.7	47.7	54.9	60.3	62.7	59.0	52.0	46.4	42.2
82.5°	26.4	28.2	30.4	34.6	39.2	42.9	45.4	43.0	38.0	33.5	31.1
85°	12.8	13.9	15.3	17.0	20.5	22.6	22.4	20.9	18.9	17.2	15.9
87.5°	5.1	5.6	6.4	7.6	8.5	9.4	10.1	10.0	9.6	9.3	9.0
90°	2.6	4.2	5.9	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2
92.5°	13.3	12.2	10.9	9.8	9.9	11.1	12.4	13.8	15.1	16.1	17.2
95°	53.0	52.4	51.7	51.2	46.8	38.9	30.9	23.0	15.1	16.1	17.2
97.5°	113.1	114.2	115.4	116.5	109.2	93.5	77.8	62.0	46.3	40.4	34.5
100°	157.8	158.4	159.0	159.7	160.4	161.3	162.1	162.9	163.7	132.6	101.4
102.5°	203.9	204.7	205.5	206.2	206.9	207.5	207.9	208.4	209.0	203.0	197.1
105°	277.5	278.3	279.2	280.0	280.4	280.4	280.4	280.4	280.4	280.4	280.4
107.5°	353.1	353.1	353.1	353.1	353.3	353.7	354.1	354.6	355.0	355.1	355.1
110°	402.7	402.7	402.7	402.7	403.0	403.4	403.9	404.3	404.6	404.1	403.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	450.0	450.4	451.0	451.5	451.9	452.1	452.3	452.6	452.9	452.0	451.3
115°	520.6	521.6	522.6	523.7	524.3	524.5	524.7	524.9	525.1	524.3	523.5
117.5°	591.9	591.8	591.8	591.8	592.2	593.0	593.7	594.6	595.3	594.3	593.1
120°	636.9	636.7	636.5	636.3	636.5	637.2	637.7	638.4	639.0	638.6	638.2
122.5°	677.8	678.6	679.4	680.2	680.7	681.1	681.4	681.6	681.9	681.5	681.1
125°	740.2	741.7	743.2	744.6	745.4	745.4	745.4	745.4	745.4	744.5	743.7
127.5°	798.7	799.7	800.8	801.8	802.3	802.2	802.1	801.9	801.8	801.3	800.9
130°	834.9	835.9	837.0	838.0	838.6	838.9	839.1	839.2	839.4	838.9	838.2
132.5°	871.2	872.4	873.5	874.8	875.2	874.7	874.3	873.8	873.4	873.2	873.1
135°	922.6	923.9	925.1	926.3	926.8	926.3	926.0	925.5	925.1	924.6	924.3
137.5°	969.7	970.7	971.9	972.9	973.3	972.9	972.5	972.1	971.8	971.9	971.9
140°	999.8	1000.3	1000.7	1001.1	1001.3	1001.0	1000.8	1000.6	1000.4	1000.8	1001.3
142.5°	1027.6	1027.8	1028.0	1028.3	1028.6	1028.9	1029.2	1029.4	1029.7	1029.8	1029.9
145°	1068.6	1068.9	1069.4	1069.8	1070.1	1070.1	1070.1	1070.1	1070.1	1070.3	1070.4
147.5°	1103.8	1103.7	1103.6	1103.5	1103.6	1103.9	1104.2	1104.4	1104.7	1104.9	1105.1
150°	1126.1	1125.7	1125.2	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5	1126.9	1127.4
152.5°	1147.5	1146.5	1145.6	1144.6	1144.4	1144.8	1145.2	1145.7	1146.0	1146.5	1146.9
155°	1175.2	1173.8	1172.6	1171.4	1170.9	1171.4	1171.8	1172.1	1172.6	1173.3	1173.8
157.5°	1197.2	1196.6	1195.8	1195.0	1194.7	1194.7	1194.8	1194.8	1194.9	1195.5	1196.2
160°	1211.8	1210.6	1209.3	1208.1	1207.5	1207.8	1208.0	1208.2	1208.3	1209.2	1210.0
162.5°	1223.9	1222.6	1221.3	1220.1	1219.6	1219.7	1220.0	1220.2	1220.4	1221.6	1222.8
165°	1240.0	1238.8	1237.6	1236.3	1235.8	1236.0	1236.1	1236.4	1236.6	1237.8	1239.1
167.5°	1252.1	1250.8	1249.4	1248.2	1247.6	1247.8	1248.0	1248.2	1248.5	1250.0	1251.5
170°	1258.7	1257.2	1255.7	1254.2	1253.7	1253.9	1254.1	1254.2	1254.5	1256.1	1257.8
172.5°	1263.2	1261.7	1260.3	1258.8	1258.3	1258.6	1259.0	1259.3	1259.7	1261.2	1262.7
175°	1268.3	1267.1	1265.7	1264.5	1264.0	1264.2	1264.4	1264.6	1264.8	1266.5	1268.2
177.5°	1270.8	1269.8	1268.8	1267.8	1267.3	1267.5	1267.7	1267.9	1268.0	1269.2	1270.4
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	536.7	538.0	541.0	540.0	541.3	542.1	542.7
5°	579.9	586.9	590.0	589.6	594.2	593.0	591.9
7.5°	629.0	636.2	640.4	645.5	648.4	648.7	651.2
10°	656.7	666.2	670.1	675.6	679.1	681.1	680.8
12.5°	677.9	685.4	694.2	696.8	701.5	704.1	703.1
15°	703.5	715.5	724.6	729.2	735.1	736.8	739.1
17.5°	726.3	742.3	753.0	767.2	772.6	775.9	773.9
20°	743.6	764.7	775.3	792.3	801.7	806.7	804.9
22.5°	763.9	786.8	806.5	821.2	835.5	842.3	843.7
25°	798.9	830.2	859.2	878.5	896.2	900.3	909.5
27.5°	837.9	874.9	905.9	926.2	938.5	943.1	946.0
30°	862.4	899.3	922.6	935.7	939.5	939.1	938.7
32.5°	874.5	897.5	902.0	898.3	889.4	881.7	873.8
35°	857.4	840.3	814.5	781.5	757.1	732.4	730.0
37.5°	771.2	716.1	673.4	625.6	598.0	581.0	569.2
40°	689.9	627.5	575.6	535.4	507.3	496.2	485.2
42.5°	601.8	542.1	496.2	462.5	441.4	429.0	420.5
45°	488.9	436.2	400.3	375.9	359.1	349.6	344.1
47.5°	400.7	361.7	331.1	313.5	302.0	294.5	294.5
50°	353.3	316.0	295.8	281.8	271.8	265.9	267.0
52.5°	311.2	283.4	266.2	254.5	247.0	243.5	243.3
55°	260.2	240.3	228.9	220.4	215.4	211.2	212.2
57.5°	222.6	205.8	198.1	191.1	187.6	186.0	183.5
60°	199.3	186.2	179.6	174.0	170.5	169.2	166.8
62.5°	178.5	168.2	161.9	157.3	154.2	153.7	151.8
65°	150.1	142.2	136.6	134.4	131.1	130.3	130.3
67.5°	123.7	118.1	113.7	111.7	110.3	110.5	109.4
70°	107.2	102.5	99.7	97.6	96.5	96.7	95.9
72.5°	93.8	88.6	86.1	84.8	83.4	84.0	83.6
75°	71.0	68.4	67.1	65.8	64.9	64.5	64.0
77.5°	52.1	49.9	48.8	48.1	48.3	47.1	48.0
80°	40.2	38.4	37.7	36.6	36.4	36.4	36.2
82.5°	29.5	28.4	27.9	27.1	26.6	27.0	26.4
85°	15.3	14.4	14.1	14.1	13.8	13.3	14.4
87.5°	9.2	8.8	8.9	8.9	9.0	9.0	8.7
90°	18.2	19.2	20.1	20.7	21.3	22.0	22.6
92.5°	18.2	19.2	19.9	20.2	20.5	20.8	21.1
95°	18.2	19.2	19.8	19.8	19.8	19.8	19.8
97.5°	28.7	22.7	19.8	19.8	19.8	19.8	19.8
100°	70.3	39.1	23.1	22.2	21.4	20.6	19.8
102.5°	191.2	185.3	175.3	161.1	146.8	132.6	118.4
105°	280.4	280.4	280.3	280.1	279.9	279.7	279.5
107.5°	355.2	355.2	354.9	354.2	353.6	353.0	352.3
110°	402.7	402.2	402.0	402.2	402.4	402.6	402.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	450.4	449.7	449.1	448.8	448.6	448.3	448.0
115°	522.6	521.8	520.8	519.5	518.2	517.0	515.8
117.5°	592.1	591.0	590.1	589.7	589.1	588.5	588.0
120°	637.7	637.3	636.6	635.6	634.5	633.5	632.4
122.5°	680.7	680.2	679.4	678.3	677.0	675.8	674.6
125°	742.8	742.0	741.3	740.6	740.0	739.4	738.8
127.5°	800.4	799.9	799.0	797.4	795.9	794.4	792.8
130°	837.5	837.0	836.1	835.1	834.1	833.0	831.9
132.5°	873.0	872.8	872.2	871.2	870.2	869.1	868.1
135°	923.9	923.4	922.6	921.3	920.1	918.8	917.6
137.5°	972.0	972.1	971.6	970.5	969.4	968.4	967.2
140°	1001.6	1002.0	1001.6	1000.4	999.1	997.9	996.6
142.5°	1030.0	1030.1	1029.5	1028.2	1027.0	1025.8	1024.4
145°	1070.6	1070.8	1070.4	1069.1	1067.8	1066.6	1065.4
147.5°	1105.4	1105.7	1105.0	1103.5	1102.0	1100.5	1099.0
150°	1127.8	1128.1	1127.6	1125.9	1124.2	1122.5	1120.9
152.5°	1147.4	1147.7	1147.2	1145.7	1144.2	1142.6	1141.1
155°	1174.5	1175.2	1174.6	1172.9	1171.2	1169.6	1167.9
157.5°	1196.8	1197.5	1197.0	1195.3	1193.6	1191.9	1190.3
160°	1210.9	1211.7	1211.3	1209.7	1208.0	1206.3	1204.6
162.5°	1223.9	1225.1	1224.7	1222.9	1221.1	1219.3	1217.4
165°	1240.4	1241.6	1241.4	1239.7	1238.0	1236.4	1234.7
167.5°	1253.0	1254.5	1254.3	1252.5	1250.6	1248.7	1246.8
170°	1259.5	1261.2	1261.0	1259.1	1257.4	1255.5	1253.6
172.5°	1264.2	1265.7	1265.6	1263.7	1261.8	1259.9	1258.1
175°	1269.9	1271.5	1271.4	1269.5	1267.6	1265.7	1263.9
177.5°	1271.6	1272.7	1272.6	1271.3	1270.0	1268.7	1267.2
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5

(END OF REPORT)