

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: P333151

Luminaire Tested: **S125DIP-S375D1205U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333151  
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-S375D1205U835-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6353.9 lumens  
Efficiency: N/A  
Efficacy: 150.6 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

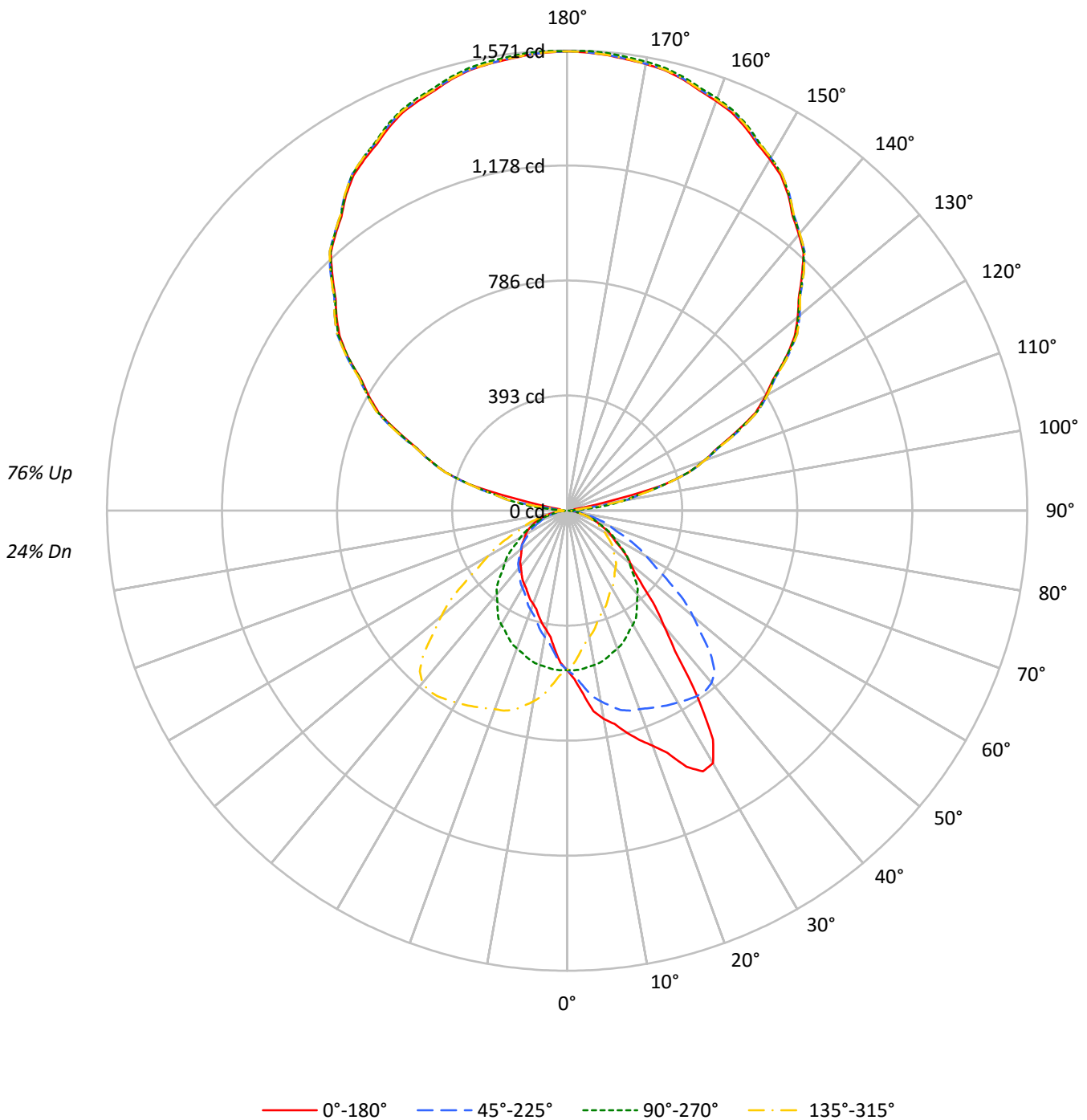
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	92	88	84	81	82	78	75	73	60	58	57	44	43	42	29	28	28	21
2	84	77	71	66	74	69	64	60	53	50	47	39	37	35	25	24	23	17
3	77	68	61	55	68	60	55	50	47	43	40	34	32	30	23	21	20	15
4	70	60	52	47	62	53	47	42	42	37	34	30	28	25	20	19	17	13
5	64	53	45	40	57	48	41	36	37	32	29	27	24	22	18	16	15	11
6	59	47	40	34	52	43	36	31	33	29	25	25	21	19	16	15	13	10
7	54	43	35	30	48	38	32	27	30	25	22	22	19	17	15	13	12	9
8	50	39	31	26	45	35	28	24	27	23	19	20	17	15	14	12	10	8
9	47	35	28	23	41	32	25	21	25	20	17	19	15	13	13	11	9	7
10	43	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	8	6

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

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.4	0.8
10°-20°	156.0	2.5
20°-30°	253.4	4.0
30°-40°	309.1	4.9
40°-50°	281.2	4.4
50°-60°	224.0	3.5
60°-70°	156.0	2.5
70°-80°	83.2	1.3
80°-90°	24.3	0.4
90°-100°	57.0	0.9
100°-110°	351.1	5.5
110°-120°	636.8	10.0
120°-130°	817.3	12.9
130°-140°	879.1	13.8
140°-150°	825.1	13.0
150°-160°	667.5	10.5
160°-170°	431.7	6.8
170°-180°	148.9	2.3
0°-30°	461.8	7.3
0°-40°	770.9	12.1
0°-60°	1276.0	20.1
0°-90°	1539.4	24.2
90°-120°	1044.9	16.4
90°-150°	3566.4	56.1
90°-180°	4814.0	75.8
0°-180°	6353.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	18
90°	28	1	28	1	28	13
95°	24	66	24	66	24	20
105°	345	342	345	342	345	312
115°	637	642	637	642	637	632
125°	912	912	912	912	912	812
135°	1133	1138	1133	1138	1133	874
145°	1316	1319	1316	1319	1316	822
155°	1442	1453	1442	1453	1442	665
165°	1525	1533	1525	1533	1525	430
175°	1561	1568	1561	1568	1561	149
180°	1568	1568	1568	1568	1568	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	10.0	10.2	10.3	10.1	10.1	9.9	10.4	10.2	10.4	10.7	11.1
90°	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2	19.9	18.6	16.8
92.5°	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2	19.9	18.6	17.0
95°	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2	19.9	18.6	28.4
97.5°	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6	49.9	57.2	76.6
100°	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3	163.7	202.2	201.2
102.5°	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4	250.7	258.0	257.4
105°	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5	438.4	438.4	437.9
110°	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2	499.0	499.7	499.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3	558.3	559.2	558.9
115°	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4	647.5	648.5	648.2
117.5°	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5	733.9	735.2	734.2
120°	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1	788.6	789.1	788.3
122.5°	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1	841.6	842.1	841.8
125°	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4	919.4	920.4	920.4
127.5°	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0	989.6	990.2	990.3
130°	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1	1035.9	1036.7	1036.4
132.5°	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2	1078.4	1078.5	1079.1
135°	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4	1141.9	1142.4	1142.9
137.5°	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3	1200.2	1200.1	1200.5
140°	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4	1235.9	1235.4	1235.7
142.5°	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9	1271.8	1271.7	1271.3
145°	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9	1321.7	1321.4	1321.4
147.5°	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8	1364.5	1364.2	1363.9
150°	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2	1391.6	1391.1	1390.6
152.5°	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3	1415.8	1415.3	1414.8
155°	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6	1448.9	1448.1	1447.6
157.5°	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2	1476.3	1475.5	1475.5
160°	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3	1493.3	1492.2	1492.0
162.5°	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0	1508.6	1507.1	1506.9
165°	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2	1528.7	1527.1	1526.8
167.5°	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5	1543.6	1541.8	1541.5
170°	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3	1551.3	1549.2	1548.9
172.5°	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4	1557.6	1555.7	1555.2
175°	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1	1564.0	1562.0	1561.7
177.5°	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8	1567.4	1565.9	1565.7
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	11.1	10.4	9.3	8.4	7.0	6.0	5.5	5.2	5.1	5.3	5.9
90°	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2	3.2	5.3	7.4
92.5°	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9	16.5	15.0	13.6
95°	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2	65.5	64.7	63.9
97.5°	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3	139.7	141.1	142.5
100°	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1	194.9	195.6	196.4
102.5°	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8	251.8	252.8	253.7
105°	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7	342.7	343.7	344.8
107.5°	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1	436.1	436.1	436.1
110°	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4





TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1	555.7	556.3	556.9
115°	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5	642.8	644.1	645.4
117.5°	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0	731.0	730.9	730.9
120°	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8	786.5	786.3	786.0
122.5°	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1	837.1	838.0	839.0
125°	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3	914.1	915.9	917.7
127.5°	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1	986.4	987.6	988.9
130°	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7	1031.0	1032.3	1033.6
132.5°	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3	1075.8	1077.3	1078.8
135°	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8	1139.3	1140.9	1142.4
137.5°	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1	1197.5	1198.8	1200.1
140°	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2	1234.8	1235.3	1235.8
142.5°	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6	1268.9	1269.3	1269.6
145°	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1	1319.6	1320.1	1320.6
147.5°	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2	1363.1	1363.0	1362.9
150°	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1390.6	1390.1	1389.6
152.5°	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1	1417.0	1415.8	1414.7
155°	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7	1451.2	1449.6	1448.1
157.5°	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5	1478.5	1477.6	1476.7
160°	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1	1496.5	1495.0	1493.4
162.5°	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9	1511.4	1509.8	1508.3
165°	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9	1531.4	1529.8	1528.3
167.5°	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8	1546.2	1544.6	1543.0
170°	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2	1554.4	1552.5	1550.7
172.5°	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7	1559.9	1558.1	1556.3
175°	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8	1566.2	1564.7	1563.1
177.5°	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6	1569.3	1568.1	1566.9
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	6.5	7.3	7.4	8.0	8.3	9.1	9.2	10.2	10.8	11.4	11.4
90°	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2	22.5	23.8	24.8
92.5°	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2	22.5	23.8	24.6
95°	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2	22.5	23.8	24.4
97.5°	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6	35.3	28.0	24.4
100°	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3	86.8	48.3	28.5
102.5°	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4	236.2	228.9	216.5
105°	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.2
107.5°	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5	438.5	438.6	438.2
110°	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2	497.4	496.6	496.4



TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3	556.3	555.3	554.6
115°	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4	645.4	644.4	643.1
117.5°	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5	731.2	729.8	728.8
120°	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1	787.6	787.1	786.2
122.5°	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1	840.6	840.1	839.0
125°	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4	917.3	916.3	915.4
127.5°	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0	988.5	987.9	986.7
130°	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1	1034.3	1033.6	1032.5
132.5°	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2	1078.0	1077.9	1077.2
135°	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4	1140.9	1140.4	1139.3
137.5°	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3	1200.4	1200.5	1199.9
140°	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4	1236.9	1237.5	1236.9
142.5°	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9	1272.0	1272.1	1271.4
145°	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9	1322.2	1322.4	1321.8
147.5°	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8	1365.1	1365.4	1364.6
150°	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2	1392.7	1393.2	1392.4
152.5°	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3	1416.9	1417.4	1416.7
155°	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6	1450.4	1451.2	1450.5
157.5°	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2	1478.0	1478.8	1478.2
160°	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3	1495.3	1496.4	1495.9
162.5°	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0	1511.5	1512.9	1512.5
165°	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2	1531.8	1533.3	1533.0
167.5°	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5	1547.3	1549.2	1549.0
170°	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3	1555.4	1557.5	1557.3
172.5°	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4	1561.3	1563.1	1562.9
175°	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1	1568.2	1570.2	1570.1
177.5°	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8	1570.3	1571.7	1571.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	12.0	11.9	12.1	12.6	12.1	11.9	12.0	11.4	11.4	10.8	10.2
90°	25.6	26.3	27.1	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2
92.5°	24.9	25.3	25.7	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2
95°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2
97.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6
100°	27.5	26.5	25.4	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3
102.5°	198.9	181.3	163.8	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4
105°	345.9	345.7	345.4	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3
107.5°	437.4	436.7	435.9	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5
110°	496.6	496.9	497.2	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2



TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	554.3	553.9	553.6	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3
115°	641.5	640.0	638.4	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4
117.5°	728.1	727.5	726.8	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5
120°	784.9	783.6	782.3	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1
122.5°	837.5	836.0	834.6	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1
125°	914.6	913.9	913.1	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4
127.5°	984.8	982.8	980.9	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0
130°	1031.2	1030.0	1028.7	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1
132.5°	1075.9	1074.6	1073.3	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2
135°	1137.8	1136.2	1134.7	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4
137.5°	1198.5	1197.2	1195.8	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3
140°	1235.4	1233.9	1232.3	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4
142.5°	1269.8	1268.3	1266.7	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9
145°	1320.2	1318.7	1317.1	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9
147.5°	1362.8	1360.9	1359.1	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8
150°	1390.4	1388.3	1386.2	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2
152.5°	1414.8	1413.0	1411.1	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3
155°	1448.5	1446.4	1444.3	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6
157.5°	1476.1	1474.1	1472.0	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2
160°	1493.8	1491.7	1489.7	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3
162.5°	1510.2	1507.9	1505.7	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0
165°	1531.0	1528.9	1526.8	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2
167.5°	1546.6	1544.3	1542.0	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5
170°	1555.0	1552.7	1550.4	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3
172.5°	1560.6	1558.3	1555.9	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4
175°	1567.8	1565.5	1563.1	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1
177.5°	1570.0	1568.3	1566.6	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	9.2	9.1	8.3	8.0	7.4	7.3	6.5	5.9	5.3	5.1	5.2
90°	19.9	18.6	16.8	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2
92.5°	19.9	18.6	17.0	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9
95°	19.9	18.6	28.4	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2
97.5°	49.9	57.2	76.6	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3
100°	163.7	202.2	201.2	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1
102.5°	250.7	258.0	257.4	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8
105°	346.3	346.3	346.3	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7
107.5°	438.4	438.4	437.9	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1
110°	499.0	499.7	499.2	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4



TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	558.3	559.2	558.9	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1
115°	647.5	648.5	648.2	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5
117.5°	733.9	735.2	734.2	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0
120°	788.6	789.1	788.3	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8
122.5°	841.6	842.1	841.8	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1
125°	919.4	920.4	920.4	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3
127.5°	989.6	990.2	990.3	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1
130°	1035.9	1036.7	1036.4	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7
132.5°	1078.4	1078.5	1079.1	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3
135°	1141.9	1142.4	1142.9	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8
137.5°	1200.2	1200.1	1200.5	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1
140°	1235.9	1235.4	1235.7	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2
142.5°	1271.8	1271.7	1271.3	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6
145°	1321.7	1321.4	1321.4	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1
147.5°	1364.5	1364.2	1363.9	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2
150°	1391.6	1391.1	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1
152.5°	1415.8	1415.3	1414.8	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1
155°	1448.9	1448.1	1447.6	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7
157.5°	1476.3	1475.5	1475.5	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5
160°	1493.3	1492.2	1492.0	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1
162.5°	1508.6	1507.1	1506.9	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9
165°	1528.7	1527.1	1526.8	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9
167.5°	1543.6	1541.8	1541.5	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8
170°	1551.3	1549.2	1548.9	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2
172.5°	1557.6	1555.7	1555.2	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7
175°	1564.0	1562.0	1561.7	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8
177.5°	1567.4	1565.9	1565.7	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333151

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.5	6.0	7.0	8.4	9.3	10.4	11.1	11.1	10.7	10.4	10.2
90°	3.2	5.3	7.4	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2
92.5°	16.5	15.0	13.6	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2
95°	65.5	64.7	63.9	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2
97.5°	139.7	141.1	142.5	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6
100°	194.9	195.6	196.4	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3
102.5°	251.8	252.8	253.7	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4
105°	342.7	343.7	344.8	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	436.1	436.1	436.1	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5
110°	497.4	497.4	497.4	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	555.7	556.3	556.9	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3
115°	642.8	644.1	645.4	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4
117.5°	731.0	730.9	730.9	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5
120°	786.5	786.3	786.0	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1
122.5°	837.1	838.0	839.0	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1
125°	914.1	915.9	917.7	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4
127.5°	986.4	987.6	988.9	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0
130°	1031.0	1032.3	1033.6	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1
132.5°	1075.8	1077.3	1078.8	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2
135°	1139.3	1140.9	1142.4	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4
137.5°	1197.5	1198.8	1200.1	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3
140°	1234.8	1235.3	1235.8	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4
142.5°	1268.9	1269.3	1269.6	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9
145°	1319.6	1320.1	1320.6	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9
147.5°	1363.1	1363.0	1362.9	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8
150°	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2
152.5°	1417.0	1415.8	1414.7	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3
155°	1451.2	1449.6	1448.1	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6
157.5°	1478.5	1477.6	1476.7	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2
160°	1496.5	1495.0	1493.4	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3
162.5°	1511.4	1509.8	1508.3	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0
165°	1531.4	1529.8	1528.3	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2
167.5°	1546.2	1544.6	1543.0	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5
170°	1554.4	1552.5	1550.7	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3
172.5°	1559.9	1558.1	1556.3	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4
175°	1566.2	1564.7	1563.1	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1
177.5°	1569.3	1568.1	1566.9	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	10.4	9.9	10.1	10.1	10.3	10.2	10.0
90°	22.5	23.8	24.8	25.6	26.3	27.1	27.9
92.5°	22.5	23.8	24.6	24.9	25.3	25.7	26.0
95°	22.5	23.8	24.4	24.4	24.4	24.4	24.4
97.5°	35.3	28.0	24.4	24.4	24.4	24.4	24.4
100°	86.8	48.3	28.5	27.5	26.5	25.4	24.4
102.5°	236.2	228.9	216.5	198.9	181.3	163.8	146.2
105°	346.3	346.3	346.2	345.9	345.7	345.4	345.2
107.5°	438.5	438.6	438.2	437.4	436.7	435.9	435.1
110°	497.4	496.6	496.4	496.6	496.9	497.2	497.4



TEST NUMBER: P333151

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	556.3	555.3	554.6	554.3	553.9	553.6	553.2
115°	645.4	644.4	643.1	641.5	640.0	638.4	636.9
117.5°	731.2	729.8	728.8	728.1	727.5	726.8	726.1
120°	787.6	787.1	786.2	784.9	783.6	782.3	781.0
122.5°	840.6	840.1	839.0	837.5	836.0	834.6	833.1
125°	917.3	916.3	915.4	914.6	913.9	913.1	912.3
127.5°	988.5	987.9	986.7	984.8	982.8	980.9	979.0
130°	1034.3	1033.6	1032.5	1031.2	1030.0	1028.7	1027.4
132.5°	1078.0	1077.9	1077.2	1075.9	1074.6	1073.3	1072.0
135°	1140.9	1140.4	1139.3	1137.8	1136.2	1134.7	1133.1
137.5°	1200.4	1200.5	1199.9	1198.5	1197.2	1195.8	1194.5
140°	1236.9	1237.5	1236.9	1235.4	1233.9	1232.3	1230.8
142.5°	1272.0	1272.1	1271.4	1269.8	1268.3	1266.7	1265.2
145°	1322.2	1322.4	1321.8	1320.2	1318.7	1317.1	1315.6
147.5°	1365.1	1365.4	1364.6	1362.8	1360.9	1359.1	1357.2
150°	1392.7	1393.2	1392.4	1390.4	1388.3	1386.2	1384.2
152.5°	1416.9	1417.4	1416.7	1414.8	1413.0	1411.1	1409.3
155°	1450.4	1451.2	1450.5	1448.5	1446.4	1444.3	1442.3
157.5°	1478.0	1478.8	1478.2	1476.1	1474.1	1472.0	1469.9
160°	1495.3	1496.4	1495.9	1493.8	1491.7	1489.7	1487.6
162.5°	1511.5	1512.9	1512.5	1510.2	1507.9	1505.7	1503.4
165°	1531.8	1533.3	1533.0	1531.0	1528.9	1526.8	1524.8
167.5°	1547.3	1549.2	1549.0	1546.6	1544.3	1542.0	1539.7
170°	1555.4	1557.5	1557.3	1555.0	1552.7	1550.4	1548.0
172.5°	1561.3	1563.1	1562.9	1560.6	1558.3	1555.9	1553.6
175°	1568.2	1570.2	1570.1	1567.8	1565.5	1563.1	1560.8
177.5°	1570.3	1571.7	1571.6	1570.0	1568.3	1566.6	1565.0
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8

(END OF REPORT)