

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: P333242-930

Luminaire Tested: **S125DIP-S850D1205U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333242-930  
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: S125DIP-S850D1205U930-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6214.3 lumens  
Efficiency: N/A  
Efficacy: 109.2 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: General Diffuse

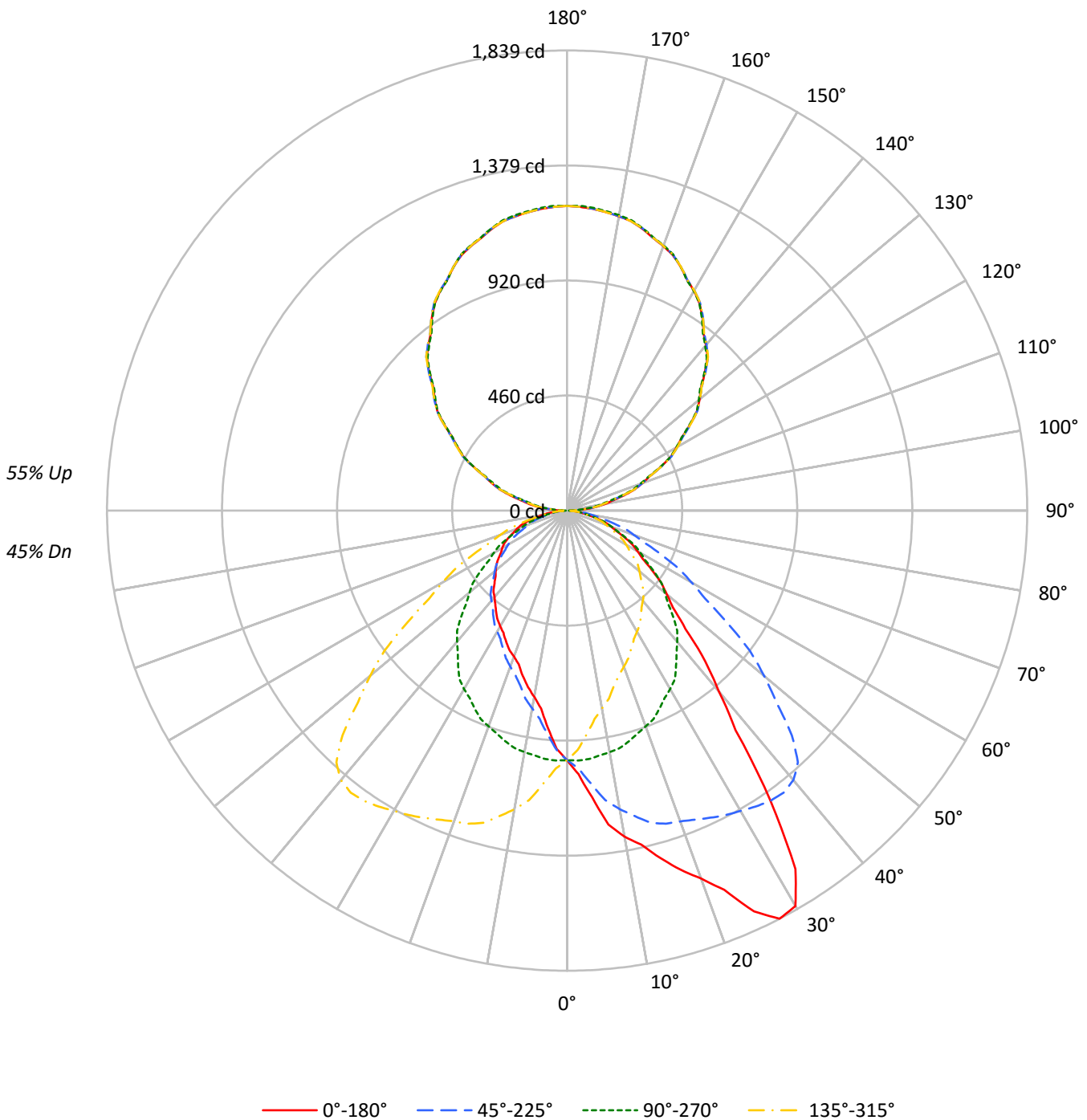
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	88	81	75	70	81	75	70	65	62	59	55	51	49	46	41	39	37	33
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	43	62	52	45	40	44	39	35	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12

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

	0°	90°	180°	270°
0°	6442	6442	6442	6442
5°	7459	6463	5659	6463
10°	8679	6430	4958	6430
15°	9607	6383	4574	6383
20°	10754	6308	4265	6308
25°	12598	6223	4115	6223
30°	13607	6141	3985	6141
35°	11188	5984	3899	5984
40°	7952	5767	3805	5767
45°	6109	5476	3751	5476
50°	5215	5112	3743	5112
55°	4644	4757	3775	4757
60°	4188	4370	3871	4370
65°	3869	3978	3972	3978
70°	3518	3573	4030	3573
75°	3107	3147	3992	3147
80°	2615	2566	3652	2566
85°	2075	1845	2949	1845



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	1.5
10°-20°	285.9	4.6
20°-30°	464.2	7.5
30°-40°	566.3	9.1
40°-50°	515.1	8.3
50°-60°	410.3	6.6
60°-70°	285.8	4.6
70°-80°	152.4	2.5
80°-90°	41.1	0.7
90°-100°	81.5	1.3
100°-110°	240.8	3.9
110°-120°	407.8	6.6
120°-130°	536.7	8.6
130°-140°	601.4	9.7
140°-150°	589.4	9.5
150°-160°	495.1	8.0
160°-170°	329.1	5.3
170°-180°	115.2	1.9
0°-30°	846.1	13.6
0°-40°	1412.4	22.7
0°-60°	2337.8	37.6
0°-90°	2817.2	45.3
90°-120°	730.2	11.7
90°-150°	2457.8	39.6
90°-180°	3397.0	54.7
0°-180°	6214.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1151	997	873	997	1151	116
15°	1437	955	684	955	1437	411
25°	1768	873	578	873	1768	807
35°	1419	759	494	759	1419	868
45°	669	600	411	600	669	535
55°	412	422	335	422	412	371
65°	253	260	260	260	253	251
75°	124	126	160	126	124	134
85°	28	25	40	25	28	33
90°	23	1	23	1	23	14
95°	81	62	81	62	81	83
105°	235	216	235	216	235	249
115°	412	408	412	408	412	408
125°	600	596	600	596	600	535
135°	778	775	778	775	778	600
145°	943	939	943	939	943	588
155°	1074	1074	1074	1074	1074	494
165°	1165	1168	1165	1168	1165	328
175°	1210	1215	1210	1215	1210	115
180°	1217	1217	1217	1217	1217	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1055.0	1053.6	1052.3	1049.5	1051.6	1045.9	1043.1	1038.4	1032.7	1030.6	1028.3
5°	1150.6	1152.8	1154.9	1146.0	1146.9	1140.9	1127.4	1116.4	1107.5	1096.1	1088.0
7.5°	1265.8	1260.8	1260.4	1254.7	1244.7	1236.8	1222.5	1204.4	1186.9	1166.9	1150.4
10°	1323.4	1323.8	1320.0	1313.2	1302.7	1295.0	1276.4	1258.6	1237.1	1211.6	1193.4
12.5°	1366.8	1368.5	1363.7	1354.5	1349.4	1332.3	1317.7	1296.6	1270.9	1250.6	1222.9
15°	1436.9	1432.2	1428.8	1417.4	1408.5	1390.7	1367.4	1345.4	1317.4	1291.6	1265.8
17.5°	1504.4	1508.1	1501.8	1491.3	1463.8	1443.0	1411.8	1381.6	1346.9	1312.2	1281.4
20°	1564.7	1568.1	1558.4	1540.2	1507.2	1486.4	1445.3	1406.4	1366.1	1321.7	1287.8
22.5°	1639.9	1637.2	1624.1	1596.4	1567.7	1529.4	1484.9	1437.5	1387.2	1336.9	1291.9
25°	1767.9	1750.1	1742.1	1707.8	1670.1	1613.8	1552.8	1483.4	1420.7	1354.3	1296.7
27.5°	1838.8	1833.3	1824.3	1800.4	1760.8	1700.6	1628.7	1544.1	1455.7	1371.8	1296.5
30°	1824.6	1825.5	1826.4	1818.7	1793.3	1748.0	1676.5	1585.4	1480.4	1386.0	1298.9
32.5°	1698.7	1714.1	1728.8	1746.2	1753.3	1744.7	1699.8	1617.6	1509.6	1402.3	1297.5
35°	1419.0	1423.8	1471.5	1519.0	1583.3	1633.3	1666.7	1630.4	1539.3	1416.1	1295.8
37.5°	1106.4	1129.4	1162.5	1216.0	1308.9	1392.0	1499.0	1548.2	1518.8	1420.6	1292.9
40°	943.2	964.4	985.9	1040.6	1118.9	1219.7	1341.2	1444.9	1469.0	1406.4	1282.7
42.5°	817.3	834.0	857.9	899.0	964.5	1053.7	1169.8	1305.4	1388.8	1365.1	1261.4
45°	668.9	679.5	698.1	730.7	778.1	848.0	950.4	1098.6	1227.7	1270.5	1210.8
47.5°	572.5	572.4	586.9	609.4	643.7	703.0	778.8	894.9	1032.8	1134.8	1130.1
50°	519.0	516.9	528.3	547.8	574.9	614.2	686.6	779.3	911.9	1027.4	1059.6
52.5°	473.0	473.2	480.2	494.6	517.3	551.0	605.0	688.6	801.8	920.5	981.0
55°	412.4	410.7	418.7	428.4	444.9	466.9	505.9	569.8	661.7	778.5	857.3
57.5°	356.8	361.4	364.7	371.5	385.1	399.9	432.8	479.6	552.5	652.8	736.1
60°	324.2	329.0	331.5	338.3	349.3	362.0	387.3	425.5	486.8	573.2	655.7
62.5°	295.1	298.8	299.6	305.7	314.7	327.1	347.1	379.0	427.5	503.1	584.0
65°	253.2	253.2	254.9	261.2	265.5	276.5	291.7	315.0	353.9	412.8	481.8
67.5°	212.7	214.7	214.3	217.1	221.0	229.5	240.4	259.7	288.5	331.5	386.7
70°	186.3	187.9	187.5	189.6	193.9	199.4	208.3	226.5	247.2	284.1	331.5
72.5°	162.6	163.2	162.2	164.9	167.5	172.3	182.2	191.9	211.3	242.4	281.4
75°	124.5	125.3	126.1	127.8	130.4	132.9	138.0	147.7	160.5	183.8	208.7
77.5°	93.3	91.7	93.8	93.5	94.9	96.9	101.3	106.5	116.9	131.7	151.0
80°	70.3	70.7	70.7	71.1	73.2	74.5	78.4	82.1	90.2	101.2	114.7
82.5°	51.3	52.4	51.8	52.5	54.3	55.2	57.3	60.4	65.1	73.8	83.6
85°	28.0	25.8	26.7	27.6	27.6	28.0	29.6	30.9	33.4	36.9	40.6
87.5°	12.6	13.2	13.5	13.3	13.5	13.4	14.5	14.3	15.1	15.9	17.0
90°	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3	16.2	15.2	13.7
92.5°	44.7	44.3	43.8	43.3	42.9	41.9	40.5	39.1	37.7	36.4	34.6
95°	81.4	81.0	80.6	80.2	79.8	78.8	77.4	75.9	74.4	73.0	70.8
97.5°	123.5	123.3	123.0	122.8	122.5	121.7	120.3	119.0	117.6	116.2	113.2
100°	155.4	155.0	154.5	154.1	153.7	152.5	150.7	148.7	146.8	145.0	142.2
102.5°	187.2	186.6	186.1	185.5	184.8	183.5	181.5	179.4	177.3	175.3	173.9
105°	235.0	234.3	233.7	233.1	232.4	231.5	230.2	228.9	227.7	226.4	225.2
107.5°	283.8	283.9	284.0	284.0	284.1	283.7	283.1	282.4	281.8	281.2	280.2
110°	320.2	320.4	320.7	320.8	321.1	320.8	320.2	319.6	318.9	318.3	317.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	355.9	356.2	356.6	357.0	357.3	357.4	357.1	356.9	356.5	356.2	355.4
115°	412.1	412.3	412.5	412.8	412.9	413.2	413.4	413.6	413.8	414.0	413.6
117.5°	467.1	467.9	468.8	469.6	470.4	470.8	470.6	470.4	470.3	470.1	469.7
120°	505.0	505.8	506.6	507.5	508.3	508.7	508.7	508.7	508.7	508.7	508.6
122.5°	542.9	543.6	544.2	544.9	545.6	546.0	546.2	546.3	546.5	546.7	546.1
125°	599.7	599.9	600.1	600.4	600.5	600.9	601.3	601.7	602.1	602.6	602.3
127.5°	654.3	654.7	655.1	655.6	656.0	656.3	656.5	656.7	656.9	657.1	656.9
130°	690.6	691.0	691.5	691.9	692.4	692.7	692.8	693.1	693.3	693.5	693.1
132.5°	724.8	725.4	725.9	726.5	727.2	727.5	727.7	728.0	728.1	728.4	728.5
135°	777.8	778.7	779.5	780.3	781.2	781.6	781.6	781.6	781.6	781.6	781.4
137.5°	829.7	830.8	831.8	832.9	834.0	834.4	834.1	833.9	833.6	833.3	832.9
140°	863.1	864.1	865.2	866.3	867.3	867.6	867.2	866.7	866.3	865.9	865.3
142.5°	895.0	896.0	897.1	898.1	899.1	899.5	899.3	899.0	898.8	898.5	897.7
145°	942.6	943.3	944.0	944.6	945.2	945.5	945.5	945.5	945.5	945.5	944.9
147.5°	983.4	984.9	986.3	987.7	989.1	989.6	989.1	988.6	988.1	987.6	987.1
150°	1013.7	1014.2	1014.6	1015.0	1015.5	1015.6	1015.6	1015.6	1015.6	1015.6	1014.8
152.5°	1038.8	1039.5	1040.2	1041.1	1041.8	1041.9	1041.4	1040.9	1040.4	1039.9	1039.6
155°	1074.4	1075.5	1076.4	1077.5	1078.6	1078.7	1077.8	1077.0	1076.2	1075.3	1075.1
157.5°	1104.2	1105.5	1106.9	1108.3	1109.7	1109.9	1109.1	1108.2	1107.4	1106.6	1106.4
160°	1124.6	1125.6	1126.7	1127.7	1128.8	1128.9	1128.0	1127.2	1126.3	1125.5	1125.4
162.5°	1142.0	1143.2	1144.4	1145.7	1146.9	1147.0	1146.0	1145.0	1143.9	1143.0	1142.9
165°	1165.3	1166.6	1167.8	1169.1	1170.4	1170.6	1169.7	1168.9	1168.1	1167.2	1167.0
167.5°	1183.9	1185.2	1186.5	1187.8	1189.1	1189.1	1187.9	1186.6	1185.4	1184.1	1184.1
170°	1193.8	1195.2	1196.7	1198.2	1199.6	1199.7	1198.5	1197.2	1196.0	1194.7	1194.7
172.5°	1202.1	1203.4	1204.7	1206.0	1207.3	1207.3	1206.1	1204.8	1203.5	1202.2	1202.2
175°	1209.8	1211.3	1212.8	1214.3	1215.8	1215.9	1214.6	1213.3	1212.0	1210.8	1210.8
177.5°	1214.4	1215.6	1216.8	1218.0	1219.1	1219.2	1218.2	1217.2	1216.2	1215.1	1215.3
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1026.2	1023.9	1021.1	1016.4	1010.6	1007.5	1002.8	999.8	993.7	988.6	983.2
5°	1078.2	1067.2	1057.1	1044.0	1029.6	1020.3	1009.3	996.9	984.3	971.2	956.8
7.5°	1132.2	1112.7	1091.5	1068.8	1046.5	1026.1	1006.5	987.2	969.3	947.6	929.3
10°	1168.4	1143.9	1117.6	1086.7	1056.7	1030.5	1003.8	980.5	956.8	931.4	908.9
12.5°	1204.7	1172.0	1134.9	1101.0	1064.8	1033.1	1001.8	972.0	942.2	914.1	887.9
15°	1230.3	1201.4	1167.2	1118.9	1078.2	1034.7	993.2	954.6	918.7	887.4	854.4
17.5°	1247.1	1210.0	1173.2	1126.9	1073.6	1024.8	977.9	933.8	893.2	853.5	821.7
20°	1250.2	1212.0	1173.5	1128.2	1073.6	1017.7	970.8	917.8	874.2	833.2	794.2
22.5°	1249.1	1206.0	1164.0	1117.4	1064.1	1012.7	955.9	901.9	854.6	814.2	773.6
25°	1239.6	1193.4	1140.9	1094.0	1041.5	986.8	929.3	873.3	825.1	778.9	738.7
27.5°	1231.6	1171.7	1112.3	1057.5	1006.8	956.8	901.6	844.4	790.9	744.1	706.2
30°	1221.8	1156.2	1089.2	1032.1	980.1	931.4	879.3	823.5	767.5	721.8	681.2
32.5°	1213.0	1136.5	1065.9	1003.7	948.5	901.2	853.2	800.1	745.2	698.8	658.1
35°	1196.0	1107.5	1026.6	956.3	897.5	848.8	808.6	759.0	708.7	663.8	624.8
37.5°	1174.4	1069.3	982.6	908.9	844.4	793.1	755.7	717.6	669.3	626.1	590.8
40°	1157.4	1042.3	950.4	875.1	808.2	754.8	720.2	684.1	643.9	603.7	566.5
42.5°	1136.1	1017.9	917.9	836.8	770.5	718.6	682.2	651.6	616.1	578.6	544.0
45°	1096.9	973.7	865.4	778.1	711.2	660.0	622.3	599.5	572.8	537.2	508.0
47.5°	1039.3	920.6	808.5	718.5	649.5	602.0	566.7	544.8	525.9	499.5	473.0
50°	988.1	881.0	767.5	678.2	609.2	561.3	528.8	508.8	492.8	472.5	450.0
52.5°	930.8	831.2	727.2	639.0	570.6	523.4	491.5	474.0	460.6	446.1	424.0
55°	839.9	755.3	658.8	574.9	511.8	465.7	437.7	422.5	411.5	400.5	386.9
57.5°	739.7	673.5	588.0	511.4	453.3	411.3	385.2	370.4	361.9	356.2	348.2
60°	669.3	612.6	538.9	469.0	412.4	375.1	349.7	338.3	331.1	326.4	320.5
62.5°	604.0	557.4	489.1	425.3	375.8	340.6	317.9	306.8	299.9	297.6	292.7
65°	507.6	471.7	415.3	362.4	320.1	290.0	270.9	260.3	256.1	253.6	254.0
67.5°	412.7	390.8	345.5	300.4	266.6	241.4	226.2	218.0	215.9	212.5	212.5
70°	354.7	338.3	300.2	260.8	230.7	211.2	197.7	189.2	187.1	185.4	185.0
72.5°	303.6	289.2	256.1	224.5	197.5	180.4	169.3	164.2	160.7	159.7	159.6
75°	228.2	220.1	193.9	168.9	150.3	138.4	130.9	126.1	123.6	123.2	123.6
77.5°	162.2	155.2	138.5	120.8	109.1	100.1	93.7	92.0	89.2	89.3	88.8
80°	121.9	117.2	106.7	92.7	83.0	75.3	72.0	69.0	68.2	66.9	68.2
82.5°	88.4	83.4	76.2	67.3	59.3	54.7	51.3	50.4	49.9	49.2	49.6
85°	43.6	44.0	39.8	33.0	29.6	27.1	24.9	24.9	24.5	24.1	24.5
87.5°	17.4	16.4	14.8	13.4	11.3	10.0	9.3	9.3	8.6	8.6	9.3
90°	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0	2.6	4.3	6.0
92.5°	32.8	31.0	29.1	27.6	26.5	25.3	24.1	22.9	24.1	25.3	26.5
95°	68.7	66.6	64.5	63.3	62.9	62.5	62.0	61.6	62.0	62.5	62.9
97.5°	110.3	107.5	104.5	103.0	102.8	102.6	102.5	102.3	102.5	102.6	102.8
100°	139.5	136.7	134.0	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6
102.5°	172.5	171.1	169.7	168.6	167.8	166.9	166.1	165.3	166.1	166.9	167.8
105°	223.9	222.7	221.4	220.2	219.2	218.1	217.0	216.0	217.0	218.1	219.2
107.5°	279.2	278.3	277.3	276.3	275.2	274.2	273.1	272.1	273.1	274.2	275.2
110°	317.1	316.4	315.8	315.0	313.9	312.8	311.8	310.8	311.8	312.8	313.9





TEST NUMBER: P333242-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	354.7	353.8	353.0	352.4	351.8	351.2	350.7	350.2	350.7	351.2	351.8
115°	413.2	412.8	412.3	411.7	410.8	410.0	409.2	408.3	409.2	410.0	410.8
117.5°	469.4	469.0	468.6	468.2	467.8	467.5	467.1	466.7	467.1	467.5	467.8
120°	508.3	508.1	507.9	507.3	506.2	505.2	504.1	503.0	504.1	505.2	506.2
122.5°	545.6	545.0	544.5	544.0	543.6	543.2	542.9	542.5	542.9	543.2	543.6
125°	602.1	601.9	601.7	601.0	599.7	598.4	597.2	595.9	597.2	598.4	599.7
127.5°	656.6	656.4	656.2	655.7	654.9	654.2	653.5	652.8	653.5	654.2	654.9
130°	692.7	692.3	691.9	691.0	690.1	689.0	687.9	686.9	687.9	689.0	690.1
132.5°	728.6	728.6	728.7	727.9	726.2	724.5	722.7	721.0	722.7	724.5	726.2
135°	781.2	781.0	780.8	780.1	778.8	777.6	776.2	775.0	776.2	777.6	778.8
137.5°	832.4	831.9	831.5	830.6	829.4	828.2	827.0	825.7	827.0	828.2	829.4
140°	864.7	864.1	863.4	862.6	861.5	860.5	859.4	858.3	859.4	860.5	861.5
142.5°	896.9	896.1	895.4	894.5	893.6	892.8	891.9	891.0	891.9	892.8	893.6
145°	944.3	943.6	943.0	942.2	941.4	940.6	939.7	938.9	939.7	940.6	941.4
147.5°	986.6	986.1	985.5	985.0	984.6	984.1	983.7	983.3	983.7	984.1	984.6
150°	1013.9	1013.1	1012.3	1011.9	1012.2	1012.4	1012.6	1012.8	1012.6	1012.4	1012.2
152.5°	1039.2	1038.9	1038.5	1038.2	1038.0	1037.6	1037.3	1037.1	1037.3	1037.6	1038.0
155°	1074.9	1074.7	1074.5	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4
157.5°	1106.2	1106.0	1105.7	1105.9	1106.4	1106.8	1107.3	1107.7	1107.3	1106.8	1106.4
160°	1125.1	1124.9	1124.7	1124.9	1125.5	1126.2	1126.8	1127.4	1126.8	1126.2	1125.5
162.5°	1142.9	1142.8	1142.8	1143.0	1143.5	1143.9	1144.4	1144.8	1144.4	1143.9	1143.5
165°	1166.8	1166.6	1166.4	1166.4	1166.9	1167.3	1167.8	1168.2	1167.8	1167.3	1166.9
167.5°	1184.1	1184.1	1184.1	1184.5	1185.4	1186.2	1187.0	1187.9	1187.0	1186.2	1185.4
170°	1194.7	1194.7	1194.7	1195.1	1196.0	1196.8	1197.7	1198.5	1197.7	1196.8	1196.0
172.5°	1202.2	1202.2	1202.2	1202.7	1203.5	1204.4	1205.3	1206.1	1205.3	1204.4	1203.5
175°	1210.8	1210.8	1210.8	1211.2	1212.0	1212.9	1213.7	1214.6	1213.7	1212.9	1212.0
177.5°	1215.5	1215.7	1215.9	1216.3	1216.9	1217.6	1218.3	1219.0	1218.3	1217.6	1216.9
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



TEST NUMBER: P333242-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	980.2	976.4	973.4	966.6	962.9	957.8	953.7	958.1	953.4	955.4	952.4
5°	949.6	937.8	929.3	917.0	906.4	896.7	889.5	888.2	884.8	883.1	878.0
7.5°	912.8	898.0	883.5	867.4	853.8	840.0	831.2	823.9	819.1	812.8	808.5
10°	891.1	871.2	854.4	834.9	817.9	803.1	791.2	785.3	779.8	771.8	768.8
12.5°	864.4	843.8	823.1	802.3	786.1	769.6	759.4	750.4	746.7	737.5	736.6
15°	832.3	801.4	781.1	759.9	737.4	723.9	715.4	705.7	701.5	695.1	690.5
17.5°	794.0	766.5	741.0	719.1	699.9	688.4	677.9	671.2	664.0	659.8	652.2
20°	766.3	740.0	714.6	691.3	676.5	663.4	654.9	648.6	641.0	638.9	631.2
22.5°	742.9	714.0	689.6	670.0	653.8	639.0	629.8	625.6	620.3	613.8	612.2
25°	704.9	674.8	654.1	634.6	620.2	606.7	600.3	594.8	589.7	585.1	583.3
27.5°	672.1	645.1	620.5	602.9	590.4	578.0	572.4	565.7	562.1	558.3	553.8
30°	649.0	621.5	599.9	582.9	569.4	558.4	552.4	547.8	544.5	541.0	538.5
32.5°	625.3	599.8	578.9	562.3	548.8	540.5	535.2	531.9	528.2	524.1	520.9
35°	593.9	566.0	545.7	531.3	520.7	514.4	508.4	505.5	501.2	501.2	497.8
37.5°	558.6	534.5	516.6	503.4	494.0	488.3	481.8	479.8	477.1	475.3	474.2
40°	537.7	515.2	498.3	485.2	475.0	470.3	465.3	461.9	460.2	458.0	457.2
42.5°	516.0	494.6	478.3	466.2	457.4	453.4	448.7	446.3	442.9	440.1	439.6
45°	483.1	462.3	447.5	437.7	430.2	425.5	422.5	417.4	415.7	412.4	411.9
47.5°	451.8	431.9	417.4	409.4	402.7	398.8	394.2	389.1	387.2	385.5	385.3
50°	428.4	410.3	396.6	389.1	382.7	377.2	372.5	369.2	367.9	367.9	368.8
52.5°	404.7	389.2	377.7	368.4	362.4	356.5	352.2	350.2	348.2	350.3	351.8
55°	370.0	354.3	345.8	337.0	331.1	324.2	322.2	321.3	320.1	323.4	325.1
57.5°	333.3	322.3	312.3	303.5	298.2	294.3	291.5	290.9	293.3	294.9	300.4
60°	309.9	297.2	288.3	281.5	275.2	272.6	271.8	270.9	272.6	277.3	284.5
62.5°	284.1	273.9	264.2	259.2	254.5	250.3	250.1	250.6	254.0	259.3	266.5
65°	246.4	237.5	231.1	225.2	221.4	218.9	219.7	221.4	225.2	232.4	240.4
67.5°	208.1	201.9	196.2	191.4	187.8	187.8	188.7	191.2	195.7	204.0	211.3
70°	183.3	176.5	171.9	169.7	166.8	165.1	167.6	171.9	175.7	183.3	189.6
72.5°	158.6	152.9	149.2	147.7	146.5	145.1	145.9	150.5	155.7	163.3	170.7
75°	121.9	119.8	117.2	115.6	114.3	115.1	116.0	120.3	124.5	132.5	141.0
77.5°	88.9	86.7	85.3	84.9	84.1	84.5	87.0	90.1	94.2	100.1	106.5
80°	67.3	66.4	65.6	65.2	65.2	65.6	69.0	71.1	74.9	80.5	85.5
82.5°	49.0	48.5	48.3	48.3	48.6	48.7	50.7	53.5	56.7	60.8	65.2
85°	25.8	24.9	26.3	26.7	25.8	27.1	28.0	29.6	30.9	33.0	35.1
87.5°	10.0	11.0	10.9	11.6	11.9	12.9	12.7	14.3	15.2	16.1	15.9
90°	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3	18.3	19.4	20.2
92.5°	27.6	29.1	31.0	32.8	34.6	36.4	37.7	39.1	40.5	41.9	42.9
95°	63.3	64.5	66.6	68.7	70.8	73.0	74.4	75.9	77.4	78.8	79.8
97.5°	103.0	104.5	107.5	110.3	113.2	116.2	117.6	119.0	120.3	121.7	122.5
100°	132.6	134.0	136.7	139.5	142.2	145.0	146.8	148.7	150.7	152.5	153.7
102.5°	168.6	169.7	171.1	172.5	173.9	175.3	177.3	179.4	181.5	183.5	184.8
105°	220.2	221.4	222.7	223.9	225.2	226.4	227.7	228.9	230.2	231.5	232.4
107.5°	276.3	277.3	278.3	279.2	280.2	281.2	281.8	282.4	283.1	283.7	284.1
110°	315.0	315.8	316.4	317.1	317.7	318.3	318.9	319.6	320.2	320.8	321.1



TEST NUMBER: P333242-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	352.4	353.0	353.8	354.7	355.4	356.2	356.5	356.9	357.1	357.4	357.3
115°	411.7	412.3	412.8	413.2	413.6	414.0	413.8	413.6	413.4	413.2	412.9
117.5°	468.2	468.6	469.0	469.4	469.7	470.1	470.3	470.4	470.6	470.8	470.4
120°	507.3	507.9	508.1	508.3	508.6	508.7	508.7	508.7	508.7	508.7	508.3
122.5°	544.0	544.5	545.0	545.6	546.1	546.7	546.5	546.3	546.2	546.0	545.6
125°	601.0	601.7	601.9	602.1	602.3	602.6	602.1	601.7	601.3	600.9	600.5
127.5°	655.7	656.2	656.4	656.6	656.9	657.1	656.9	656.7	656.5	656.3	656.0
130°	691.0	691.9	692.3	692.7	693.1	693.5	693.3	693.1	692.8	692.7	692.4
132.5°	727.9	728.7	728.6	728.6	728.5	728.4	728.1	728.0	727.7	727.5	727.2
135°	780.1	780.8	781.0	781.2	781.4	781.6	781.6	781.6	781.6	781.6	781.2
137.5°	830.6	831.5	831.9	832.4	832.9	833.3	833.6	833.9	834.1	834.4	834.0
140°	862.6	863.4	864.1	864.7	865.3	865.9	866.3	866.7	867.2	867.6	867.3
142.5°	894.5	895.4	896.1	896.9	897.7	898.5	898.8	899.0	899.3	899.5	899.1
145°	942.2	943.0	943.6	944.3	944.9	945.5	945.5	945.5	945.5	945.5	945.2
147.5°	985.0	985.5	986.1	986.6	987.1	987.6	988.1	988.6	989.1	989.6	989.1
150°	1011.9	1012.3	1013.1	1013.9	1014.8	1015.6	1015.6	1015.6	1015.6	1015.6	1015.5
152.5°	1038.2	1038.5	1038.9	1039.2	1039.6	1039.9	1040.4	1040.9	1041.4	1041.9	1041.8
155°	1074.4	1074.5	1074.7	1074.9	1075.1	1075.3	1076.2	1077.0	1077.8	1078.7	1078.6
157.5°	1105.9	1105.7	1106.0	1106.2	1106.4	1106.6	1107.4	1108.2	1109.1	1109.9	1109.7
160°	1124.9	1124.7	1124.9	1125.1	1125.4	1125.5	1126.3	1127.2	1128.0	1128.9	1128.8
162.5°	1143.0	1142.8	1142.8	1142.9	1142.9	1143.0	1143.9	1145.0	1146.0	1147.0	1146.9
165°	1166.4	1166.4	1166.6	1166.8	1167.0	1167.2	1168.1	1168.9	1169.7	1170.6	1170.4
167.5°	1184.5	1184.1	1184.1	1184.1	1184.1	1184.1	1185.4	1186.6	1187.9	1189.1	1189.1
170°	1195.1	1194.7	1194.7	1194.7	1194.7	1194.7	1196.0	1197.2	1198.5	1199.7	1199.6
172.5°	1202.7	1202.2	1202.2	1202.2	1202.2	1202.2	1203.5	1204.8	1206.1	1207.3	1207.3
175°	1211.2	1210.8	1210.8	1210.8	1210.8	1210.8	1212.0	1213.3	1214.6	1215.9	1215.8
177.5°	1216.3	1215.9	1215.7	1215.5	1215.3	1215.1	1216.2	1217.2	1218.2	1219.2	1219.1
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



TEST NUMBER: P333242-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	950.3	952.7	950.6	953.4	950.6	952.7	950.3	952.4	955.4	953.4	958.1
5°	875.9	872.1	874.7	872.9	874.7	872.1	875.9	878.0	883.1	884.8	888.2
7.5°	807.1	803.5	799.4	797.4	799.4	803.5	807.1	808.5	812.8	819.1	823.9
10°	764.2	759.5	759.0	756.1	759.0	759.5	764.2	768.8	771.8	779.8	785.3
12.5°	732.6	728.3	723.5	722.3	723.5	728.3	732.6	736.6	737.5	746.7	750.4
15°	687.9	684.5	681.6	684.1	681.6	684.5	687.9	690.5	695.1	701.5	705.7
17.5°	650.8	648.0	647.4	644.3	647.4	648.0	650.8	652.2	659.8	664.0	671.2
20°	627.4	625.3	626.1	620.6	626.1	625.3	627.4	631.2	638.9	641.0	648.6
22.5°	608.8	604.6	604.1	603.0	604.1	604.6	608.8	612.2	613.8	620.3	625.6
25°	579.6	577.5	575.4	577.5	575.4	577.5	579.6	583.3	585.1	589.7	594.8
27.5°	554.1	551.5	551.0	551.2	551.0	551.5	554.1	553.8	558.3	562.1	565.7
30°	538.5	534.3	534.7	534.3	534.7	534.3	538.5	538.5	541.0	544.5	547.8
32.5°	521.5	518.7	518.1	517.3	518.1	518.7	521.5	520.9	524.1	528.2	531.9
35°	496.6	496.6	494.5	494.5	494.5	496.6	496.6	497.8	501.2	501.2	505.5
37.5°	473.1	472.7	471.4	471.7	471.4	472.7	473.1	474.2	475.3	477.1	479.8
40°	455.5	455.1	453.8	451.3	453.8	455.1	455.5	457.2	458.0	460.2	461.9
42.5°	438.5	437.2	436.6	435.7	436.6	437.2	438.5	439.6	440.1	442.9	446.3
45°	411.9	411.9	411.1	410.7	411.1	411.9	411.9	411.9	412.4	415.7	417.4
47.5°	386.0	386.8	388.4	388.2	388.4	386.8	386.0	385.3	385.5	387.2	389.1
50°	370.4	370.9	372.1	372.5	372.1	370.9	370.4	368.8	367.9	367.9	369.2
52.5°	353.2	355.6	357.2	356.9	357.2	355.6	353.2	351.8	350.3	348.2	350.2
55°	329.0	331.9	334.8	335.3	334.8	331.9	329.0	325.1	323.4	320.1	321.3
57.5°	305.0	309.2	312.3	313.2	312.3	309.2	305.0	300.4	294.9	293.3	290.9
60°	288.7	294.2	298.1	299.7	298.1	294.2	288.7	284.5	277.3	272.6	270.9
62.5°	273.1	279.3	283.2	283.5	283.2	279.3	273.1	266.5	259.3	254.0	250.6
65°	247.7	254.0	257.4	259.9	257.4	254.0	247.7	240.4	232.4	225.2	221.4
67.5°	220.2	226.6	230.3	232.4	230.3	226.6	220.2	211.3	204.0	195.7	191.2
70°	200.2	206.6	211.7	213.4	211.7	206.6	200.2	189.6	183.3	175.7	171.9
72.5°	180.6	186.3	190.4	192.3	190.4	186.3	180.6	170.7	163.3	155.7	150.5
75°	146.5	154.1	157.9	160.0	157.9	154.1	146.5	141.0	132.5	124.5	120.3
77.5°	112.9	119.9	122.2	123.3	122.2	119.9	112.9	106.5	100.1	94.2	90.1
80°	90.6	94.8	97.8	98.2	97.8	94.8	90.6	85.5	80.5	74.9	71.1
82.5°	69.6	73.1	74.1	75.2	74.1	73.1	69.6	65.2	60.8	56.7	53.5
85°	38.1	39.8	40.2	39.8	40.2	39.8	38.1	35.1	33.0	30.9	29.6
87.5°	16.7	16.5	16.6	17.4	16.6	16.5	16.7	15.9	16.1	15.2	14.3
90°	20.9	21.4	22.1	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3
92.5°	43.3	43.8	44.3	44.7	44.3	43.8	43.3	42.9	41.9	40.5	39.1
95°	80.2	80.6	81.0	81.4	81.0	80.6	80.2	79.8	78.8	77.4	75.9
97.5°	122.8	123.0	123.3	123.5	123.3	123.0	122.8	122.5	121.7	120.3	119.0
100°	154.1	154.5	155.0	155.4	155.0	154.5	154.1	153.7	152.5	150.7	148.7
102.5°	185.5	186.1	186.6	187.2	186.6	186.1	185.5	184.8	183.5	181.5	179.4
105°	233.1	233.7	234.3	235.0	234.3	233.7	233.1	232.4	231.5	230.2	228.9
107.5°	284.0	284.0	283.9	283.8	283.9	284.0	284.0	284.1	283.7	283.1	282.4
110°	320.8	320.7	320.4	320.2	320.4	320.7	320.8	321.1	320.8	320.2	319.6



TEST NUMBER: P333242-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	357.0	356.6	356.2	355.9	356.2	356.6	357.0	357.3	357.4	357.1	356.9
115°	412.8	412.5	412.3	412.1	412.3	412.5	412.8	412.9	413.2	413.4	413.6
117.5°	469.6	468.8	467.9	467.1	467.9	468.8	469.6	470.4	470.8	470.6	470.4
120°	507.5	506.6	505.8	505.0	505.8	506.6	507.5	508.3	508.7	508.7	508.7
122.5°	544.9	544.2	543.6	542.9	543.6	544.2	544.9	545.6	546.0	546.2	546.3
125°	600.4	600.1	599.9	599.7	599.9	600.1	600.4	600.5	600.9	601.3	601.7
127.5°	655.6	655.1	654.7	654.3	654.7	655.1	655.6	656.0	656.3	656.5	656.7
130°	691.9	691.5	691.0	690.6	691.0	691.5	691.9	692.4	692.7	692.8	693.1
132.5°	726.5	725.9	725.4	724.8	725.4	725.9	726.5	727.2	727.5	727.7	728.0
135°	780.3	779.5	778.7	777.8	778.7	779.5	780.3	781.2	781.6	781.6	781.6
137.5°	832.9	831.8	830.8	829.7	830.8	831.8	832.9	834.0	834.4	834.1	833.9
140°	866.3	865.2	864.1	863.1	864.1	865.2	866.3	867.3	867.6	867.2	866.7
142.5°	898.1	897.1	896.0	895.0	896.0	897.1	898.1	899.1	899.5	899.3	899.0
145°	944.6	944.0	943.3	942.6	943.3	944.0	944.6	945.2	945.5	945.5	945.5
147.5°	987.7	986.3	984.9	983.4	984.9	986.3	987.7	989.1	989.6	989.1	988.6
150°	1015.0	1014.6	1014.2	1013.7	1014.2	1014.6	1015.0	1015.5	1015.6	1015.6	1015.6
152.5°	1041.1	1040.2	1039.5	1038.8	1039.5	1040.2	1041.1	1041.8	1041.9	1041.4	1040.9
155°	1077.5	1076.4	1075.5	1074.4	1075.5	1076.4	1077.5	1078.6	1078.7	1077.8	1077.0
157.5°	1108.3	1106.9	1105.5	1104.2	1105.5	1106.9	1108.3	1109.7	1109.9	1109.1	1108.2
160°	1127.7	1126.7	1125.6	1124.6	1125.6	1126.7	1127.7	1128.8	1128.9	1128.0	1127.2
162.5°	1145.7	1144.4	1143.2	1142.0	1143.2	1144.4	1145.7	1146.9	1147.0	1146.0	1145.0
165°	1169.1	1167.8	1166.6	1165.3	1166.6	1167.8	1169.1	1170.4	1170.6	1169.7	1168.9
167.5°	1187.8	1186.5	1185.2	1183.9	1185.2	1186.5	1187.8	1189.1	1189.1	1187.9	1186.6
170°	1198.2	1196.7	1195.2	1193.8	1195.2	1196.7	1198.2	1199.6	1199.7	1198.5	1197.2
172.5°	1206.0	1204.7	1203.4	1202.1	1203.4	1204.7	1206.0	1207.3	1207.3	1206.1	1204.8
175°	1214.3	1212.8	1211.3	1209.8	1211.3	1212.8	1214.3	1215.8	1215.9	1214.6	1213.3
177.5°	1218.0	1216.8	1215.6	1214.4	1215.6	1216.8	1218.0	1219.1	1219.2	1218.2	1217.2
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



TEST NUMBER: P333242-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	953.7	957.8	962.9	966.6	973.4	976.4	980.2	983.2	988.6	993.7	999.8
5°	889.5	896.7	906.4	917.0	929.3	937.8	949.6	956.8	971.2	984.3	996.9
7.5°	831.2	840.0	853.8	867.4	883.5	898.0	912.8	929.3	947.6	969.3	987.2
10°	791.2	803.1	817.9	834.9	854.4	871.2	891.1	908.9	931.4	956.8	980.5
12.5°	759.4	769.6	786.1	802.3	823.1	843.8	864.4	887.9	914.1	942.2	972.0
15°	715.4	723.9	737.4	759.9	781.1	801.4	832.3	854.4	887.4	918.7	954.6
17.5°	677.9	688.4	699.9	719.1	741.0	766.5	794.0	821.7	853.5	893.2	933.8
20°	654.9	663.4	676.5	691.3	714.6	740.0	766.3	794.2	833.2	874.2	917.8
22.5°	629.8	639.0	653.8	670.0	689.6	714.0	742.9	773.6	814.2	854.6	901.9
25°	600.3	606.7	620.2	634.6	654.1	674.8	704.9	738.7	778.9	825.1	873.3
27.5°	572.4	578.0	590.4	602.9	620.5	645.1	672.1	706.2	744.1	790.9	844.4
30°	552.4	558.4	569.4	582.9	599.9	621.5	649.0	681.2	721.8	767.5	823.5
32.5°	535.2	540.5	548.8	562.3	578.9	599.8	625.3	658.1	698.8	745.2	800.1
35°	508.4	514.4	520.7	531.3	545.7	566.0	593.9	624.8	663.8	708.7	759.0
37.5°	481.8	488.3	494.0	503.4	516.6	534.5	558.6	590.8	626.1	669.3	717.6
40°	465.3	470.3	475.0	485.2	498.3	515.2	537.7	566.5	603.7	643.9	684.1
42.5°	448.7	453.4	457.4	466.2	478.3	494.6	516.0	544.0	578.6	616.1	651.6
45°	422.5	425.5	430.2	437.7	447.5	462.3	483.1	508.0	537.2	572.8	599.5
47.5°	394.2	398.8	402.7	409.4	417.4	431.9	451.8	473.0	499.5	525.9	544.8
50°	372.5	377.2	382.7	389.1	396.6	410.3	428.4	450.0	472.5	492.8	508.8
52.5°	352.2	356.5	362.4	368.4	377.7	389.2	404.7	424.0	446.1	460.6	474.0
55°	322.2	324.2	331.1	337.0	345.8	354.3	370.0	386.9	400.5	411.5	422.5
57.5°	291.5	294.3	298.2	303.5	312.3	322.3	333.3	348.2	356.2	361.9	370.4
60°	271.8	272.6	275.2	281.5	288.3	297.2	309.9	320.5	326.4	331.1	338.3
62.5°	250.1	250.3	254.5	259.2	264.2	273.9	284.1	292.7	297.6	299.9	306.8
65°	219.7	218.9	221.4	225.2	231.1	237.5	246.4	254.0	253.6	256.1	260.3
67.5°	188.7	187.8	187.8	191.4	196.2	201.9	208.1	212.5	212.5	215.9	218.0
70°	167.6	165.1	166.8	169.7	171.9	176.5	183.3	185.0	185.4	187.1	189.2
72.5°	145.9	145.1	146.5	147.7	149.2	152.9	158.6	159.6	159.7	160.7	164.2
75°	116.0	115.1	114.3	115.6	117.2	119.8	121.9	123.6	123.2	123.6	126.1
77.5°	87.0	84.5	84.1	84.9	85.3	86.7	88.9	88.8	89.3	89.2	92.0
80°	69.0	65.6	65.2	65.2	65.6	66.4	67.3	68.2	66.9	68.2	69.0
82.5°	50.7	48.7	48.6	48.3	48.3	48.5	49.0	49.6	49.2	49.9	50.4
85°	28.0	27.1	25.8	26.7	26.3	24.9	25.8	24.5	24.1	24.5	24.9
87.5°	12.7	12.9	11.9	11.6	10.9	11.0	10.0	9.3	8.6	8.6	9.3
90°	16.2	15.2	13.7	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0
92.5°	37.7	36.4	34.6	32.8	31.0	29.1	27.6	26.5	25.3	24.1	22.9
95°	74.4	73.0	70.8	68.7	66.6	64.5	63.3	62.9	62.5	62.0	61.6
97.5°	117.6	116.2	113.2	110.3	107.5	104.5	103.0	102.8	102.6	102.5	102.3
100°	146.8	145.0	142.2	139.5	136.7	134.0	132.6	132.6	132.6	132.6	132.6
102.5°	177.3	175.3	173.9	172.5	171.1	169.7	168.6	167.8	166.9	166.1	165.3
105°	227.7	226.4	225.2	223.9	222.7	221.4	220.2	219.2	218.1	217.0	216.0
107.5°	281.8	281.2	280.2	279.2	278.3	277.3	276.3	275.2	274.2	273.1	272.1
110°	318.9	318.3	317.7	317.1	316.4	315.8	315.0	313.9	312.8	311.8	310.8



TEST NUMBER: P333242-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	356.5	356.2	355.4	354.7	353.8	353.0	352.4	351.8	351.2	350.7	350.2
115°	413.8	414.0	413.6	413.2	412.8	412.3	411.7	410.8	410.0	409.2	408.3
117.5°	470.3	470.1	469.7	469.4	469.0	468.6	468.2	467.8	467.5	467.1	466.7
120°	508.7	508.7	508.6	508.3	508.1	507.9	507.3	506.2	505.2	504.1	503.0
122.5°	546.5	546.7	546.1	545.6	545.0	544.5	544.0	543.6	543.2	542.9	542.5
125°	602.1	602.6	602.3	602.1	601.9	601.7	601.0	599.7	598.4	597.2	595.9
127.5°	656.9	657.1	656.9	656.6	656.4	656.2	655.7	654.9	654.2	653.5	652.8
130°	693.3	693.5	693.1	692.7	692.3	691.9	691.0	690.1	689.0	687.9	686.9
132.5°	728.1	728.4	728.5	728.6	728.6	728.7	727.9	726.2	724.5	722.7	721.0
135°	781.6	781.6	781.4	781.2	781.0	780.8	780.1	778.8	777.6	776.2	775.0
137.5°	833.6	833.3	832.9	832.4	831.9	831.5	830.6	829.4	828.2	827.0	825.7
140°	866.3	865.9	865.3	864.7	864.1	863.4	862.6	861.5	860.5	859.4	858.3
142.5°	898.8	898.5	897.7	896.9	896.1	895.4	894.5	893.6	892.8	891.9	891.0
145°	945.5	945.5	944.9	944.3	943.6	943.0	942.2	941.4	940.6	939.7	938.9
147.5°	988.1	987.6	987.1	986.6	986.1	985.5	985.0	984.6	984.1	983.7	983.3
150°	1015.6	1015.6	1014.8	1013.9	1013.1	1012.3	1011.9	1012.2	1012.4	1012.6	1012.8
152.5°	1040.4	1039.9	1039.6	1039.2	1038.9	1038.5	1038.2	1038.0	1037.6	1037.3	1037.1
155°	1076.2	1075.3	1075.1	1074.9	1074.7	1074.5	1074.4	1074.4	1074.4	1074.4	1074.4
157.5°	1107.4	1106.6	1106.4	1106.2	1106.0	1105.7	1105.9	1106.4	1106.8	1107.3	1107.7
160°	1126.3	1125.5	1125.4	1125.1	1124.9	1124.7	1124.9	1125.5	1126.2	1126.8	1127.4
162.5°	1143.9	1143.0	1142.9	1142.9	1142.8	1142.8	1143.0	1143.5	1143.9	1144.4	1144.8
165°	1168.1	1167.2	1167.0	1166.8	1166.6	1166.4	1166.4	1166.9	1167.3	1167.8	1168.2
167.5°	1185.4	1184.1	1184.1	1184.1	1184.1	1184.1	1184.5	1185.4	1186.2	1187.0	1187.9
170°	1196.0	1194.7	1194.7	1194.7	1194.7	1194.7	1195.1	1196.0	1196.8	1197.7	1198.5
172.5°	1203.5	1202.2	1202.2	1202.2	1202.2	1202.2	1202.7	1203.5	1204.4	1205.3	1206.1
175°	1212.0	1210.8	1210.8	1210.8	1210.8	1210.8	1211.2	1212.0	1212.9	1213.7	1214.6
177.5°	1216.2	1215.1	1215.3	1215.5	1215.7	1215.9	1216.3	1216.9	1217.6	1218.3	1219.0
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



TEST NUMBER: P333242-930

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1002.8	1007.5	1010.6	1016.4	1021.1	1023.9	1026.2	1028.3	1030.6	1032.7	1038.4
5°	1009.3	1020.3	1029.6	1044.0	1057.1	1067.2	1078.2	1088.0	1096.1	1107.5	1116.4
7.5°	1006.5	1026.1	1046.5	1068.8	1091.5	1112.7	1132.2	1150.4	1166.9	1186.9	1204.4
10°	1003.8	1030.5	1056.7	1086.7	1117.6	1143.9	1168.4	1193.4	1211.6	1237.1	1258.6
12.5°	1001.8	1033.1	1064.8	1101.0	1134.9	1172.0	1204.7	1222.9	1250.6	1270.9	1296.6
15°	993.2	1034.7	1078.2	1118.9	1167.2	1201.4	1230.3	1265.8	1291.6	1317.4	1345.4
17.5°	977.9	1024.8	1073.6	1126.9	1173.2	1210.0	1247.1	1281.4	1312.2	1346.9	1381.6
20°	970.8	1017.7	1073.6	1128.2	1173.5	1212.0	1250.2	1287.8	1321.7	1366.1	1406.4
22.5°	955.9	1012.7	1064.1	1117.4	1164.0	1206.0	1249.1	1291.9	1336.9	1387.2	1437.5
25°	929.3	986.8	1041.5	1094.0	1140.9	1193.4	1239.6	1296.7	1354.3	1420.7	1483.4
27.5°	901.6	956.8	1006.8	1057.5	1112.3	1171.7	1231.6	1296.5	1371.8	1455.7	1544.1
30°	879.3	931.4	980.1	1032.1	1089.2	1156.2	1221.8	1298.9	1386.0	1480.4	1585.4
32.5°	853.2	901.2	948.5	1003.7	1065.9	1136.5	1213.0	1297.5	1402.3	1509.6	1617.6
35°	808.6	848.8	897.5	956.3	1026.6	1107.5	1196.0	1295.8	1416.1	1539.3	1630.4
37.5°	755.7	793.1	844.4	908.9	982.6	1069.3	1174.4	1292.9	1420.6	1518.8	1548.2
40°	720.2	754.8	808.2	875.1	950.4	1042.3	1157.4	1282.7	1406.4	1469.0	1444.9
42.5°	682.2	718.6	770.5	836.8	917.9	1017.9	1136.1	1261.4	1365.1	1388.8	1305.4
45°	622.3	660.0	711.2	778.1	865.4	973.7	1096.9	1210.8	1270.5	1227.7	1098.6
47.5°	566.7	602.0	649.5	718.5	808.5	920.6	1039.3	1130.1	1134.8	1032.8	894.9
50°	528.8	561.3	609.2	678.2	767.5	881.0	988.1	1059.6	1027.4	911.9	779.3
52.5°	491.5	523.4	570.6	639.0	727.2	831.2	930.8	981.0	920.5	801.8	688.6
55°	437.7	465.7	511.8	574.9	658.8	755.3	839.9	857.3	778.5	661.7	569.8
57.5°	385.2	411.3	453.3	511.4	588.0	673.5	739.7	736.1	652.8	552.5	479.6
60°	349.7	375.1	412.4	469.0	538.9	612.6	669.3	655.7	573.2	486.8	425.5
62.5°	317.9	340.6	375.8	425.3	489.1	557.4	604.0	584.0	503.1	427.5	379.0
65°	270.9	290.0	320.1	362.4	415.3	471.7	507.6	481.8	412.8	353.9	315.0
67.5°	226.2	241.4	266.6	300.4	345.5	390.8	412.7	386.7	331.5	288.5	259.7
70°	197.7	211.2	230.7	260.8	300.2	338.3	354.7	331.5	284.1	247.2	226.5
72.5°	169.3	180.4	197.5	224.5	256.1	289.2	303.6	281.4	242.4	211.3	191.9
75°	130.9	138.4	150.3	168.9	193.9	220.1	228.2	208.7	183.8	160.5	147.7
77.5°	93.7	100.1	109.1	120.8	138.5	155.2	162.2	151.0	131.7	116.9	106.5
80°	72.0	75.3	83.0	92.7	106.7	117.2	121.9	114.7	101.2	90.2	82.1
82.5°	51.3	54.7	59.3	67.3	76.2	83.4	88.4	83.6	73.8	65.1	60.4
85°	24.9	27.1	29.6	33.0	39.8	44.0	43.6	40.6	36.9	33.4	30.9
87.5°	9.3	10.0	11.3	13.4	14.8	16.4	17.4	17.0	15.9	15.1	14.3
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3
92.5°	24.1	25.3	26.5	27.6	29.1	31.0	32.8	34.6	36.4	37.7	39.1
95°	62.0	62.5	62.9	63.3	64.5	66.6	68.7	70.8	73.0	74.4	75.9
97.5°	102.5	102.6	102.8	103.0	104.5	107.5	110.3	113.2	116.2	117.6	119.0
100°	132.6	132.6	132.6	132.6	134.0	136.7	139.5	142.2	145.0	146.8	148.7
102.5°	166.1	166.9	167.8	168.6	169.7	171.1	172.5	173.9	175.3	177.3	179.4
105°	217.0	218.1	219.2	220.2	221.4	222.7	223.9	225.2	226.4	227.7	228.9
107.5°	273.1	274.2	275.2	276.3	277.3	278.3	279.2	280.2	281.2	281.8	282.4
110°	311.8	312.8	313.9	315.0	315.8	316.4	317.1	317.7	318.3	318.9	319.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	350.7	351.2	351.8	352.4	353.0	353.8	354.7	355.4	356.2	356.5	356.9
115°	409.2	410.0	410.8	411.7	412.3	412.8	413.2	413.6	414.0	413.8	413.6
117.5°	467.1	467.5	467.8	468.2	468.6	469.0	469.4	469.7	470.1	470.3	470.4
120°	504.1	505.2	506.2	507.3	507.9	508.1	508.3	508.6	508.7	508.7	508.7
122.5°	542.9	543.2	543.6	544.0	544.5	545.0	545.6	546.1	546.7	546.5	546.3
125°	597.2	598.4	599.7	601.0	601.7	601.9	602.1	602.3	602.6	602.1	601.7
127.5°	653.5	654.2	654.9	655.7	656.2	656.4	656.6	656.9	657.1	656.9	656.7
130°	687.9	689.0	690.1	691.0	691.9	692.3	692.7	693.1	693.5	693.3	693.1
132.5°	722.7	724.5	726.2	727.9	728.7	728.6	728.6	728.5	728.4	728.1	728.0
135°	776.2	777.6	778.8	780.1	780.8	781.0	781.2	781.4	781.6	781.6	781.6
137.5°	827.0	828.2	829.4	830.6	831.5	831.9	832.4	832.9	833.3	833.6	833.9
140°	859.4	860.5	861.5	862.6	863.4	864.1	864.7	865.3	865.9	866.3	866.7
142.5°	891.9	892.8	893.6	894.5	895.4	896.1	896.9	897.7	898.5	898.8	899.0
145°	939.7	940.6	941.4	942.2	943.0	943.6	944.3	944.9	945.5	945.5	945.5
147.5°	983.7	984.1	984.6	985.0	985.5	986.1	986.6	987.1	987.6	988.1	988.6
150°	1012.6	1012.4	1012.2	1011.9	1012.3	1013.1	1013.9	1014.8	1015.6	1015.6	1015.6
152.5°	1037.3	1037.6	1038.0	1038.2	1038.5	1038.9	1039.2	1039.6	1039.9	1040.4	1040.9
155°	1074.4	1074.4	1074.4	1074.4	1074.5	1074.7	1074.9	1075.1	1075.3	1076.2	1077.0
157.5°	1107.3	1106.8	1106.4	1105.9	1105.7	1106.0	1106.2	1106.4	1106.6	1107.4	1108.2
160°	1126.8	1126.2	1125.5	1124.9	1124.7	1124.9	1125.1	1125.4	1125.5	1126.3	1127.2
162.5°	1144.4	1143.9	1143.5	1143.0	1142.8	1142.8	1142.9	1142.9	1143.0	1143.9	1145.0
165°	1167.8	1167.3	1166.9	1166.4	1166.4	1166.6	1166.8	1167.0	1167.2	1168.1	1168.9
167.5°	1187.0	1186.2	1185.4	1184.5	1184.1	1184.1	1184.1	1184.1	1184.1	1185.4	1186.6
170°	1197.7	1196.8	1196.0	1195.1	1194.7	1194.7	1194.7	1194.7	1194.7	1196.0	1197.2
172.5°	1205.3	1204.4	1203.5	1202.7	1202.2	1202.2	1202.2	1202.2	1202.2	1203.5	1204.8
175°	1213.7	1212.9	1212.0	1211.2	1210.8	1210.8	1210.8	1210.8	1210.8	1212.0	1213.3
177.5°	1218.3	1217.6	1216.9	1216.3	1215.9	1215.7	1215.5	1215.3	1215.1	1216.2	1217.2
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1043.1	1045.9	1051.6	1049.5	1052.3	1053.6	1055.0
5°	1127.4	1140.9	1146.9	1146.0	1154.9	1152.8	1150.6
7.5°	1222.5	1236.8	1244.7	1254.7	1260.4	1260.8	1265.8
10°	1276.4	1295.0	1302.7	1313.2	1320.0	1323.8	1323.4
12.5°	1317.7	1332.3	1349.4	1354.5	1363.7	1368.5	1366.8
15°	1367.4	1390.7	1408.5	1417.4	1428.8	1432.2	1436.9
17.5°	1411.8	1443.0	1463.8	1491.3	1501.8	1508.1	1504.4
20°	1445.3	1486.4	1507.2	1540.2	1558.4	1568.1	1564.7
22.5°	1484.9	1529.4	1567.7	1596.4	1624.1	1637.2	1639.9
25°	1552.8	1613.8	1670.1	1707.8	1742.1	1750.1	1767.9
27.5°	1628.7	1700.6	1760.8	1800.4	1824.3	1833.3	1838.8
30°	1676.5	1748.0	1793.3	1818.7	1826.4	1825.5	1824.6
32.5°	1699.8	1744.7	1753.3	1746.2	1728.8	1714.1	1698.7
35°	1666.7	1633.3	1583.3	1519.0	1471.5	1423.8	1419.0
37.5°	1499.0	1392.0	1308.9	1216.0	1162.5	1129.4	1106.4
40°	1341.2	1219.7	1118.9	1040.6	985.9	964.4	943.2
42.5°	1169.8	1053.7	964.5	899.0	857.9	834.0	817.3
45°	950.4	848.0	778.1	730.7	698.1	679.5	668.9
47.5°	778.8	703.0	643.7	609.4	586.9	572.4	572.5
50°	686.6	614.2	574.9	547.8	528.3	516.9	519.0
52.5°	605.0	551.0	517.3	494.6	480.2	473.2	473.0
55°	505.9	466.9	444.9	428.4	418.7	410.7	412.4
57.5°	432.8	399.9	385.1	371.5	364.7	361.4	356.8
60°	387.3	362.0	349.3	338.3	331.5	329.0	324.2
62.5°	347.1	327.1	314.7	305.7	299.6	298.8	295.1
65°	291.7	276.5	265.5	261.2	254.9	253.2	253.2
67.5°	240.4	229.5	221.0	217.1	214.3	214.7	212.7
70°	208.3	199.4	193.9	189.6	187.5	187.9	186.3
72.5°	182.2	172.3	167.5	164.9	162.2	163.2	162.6
75°	138.0	132.9	130.4	127.8	126.1	125.3	124.5
77.5°	101.3	96.9	94.9	93.5	93.8	91.7	93.3
80°	78.4	74.5	73.2	71.1	70.7	70.7	70.3
82.5°	57.3	55.2	54.3	52.5	51.8	52.4	51.3
85°	29.6	28.0	27.6	27.6	26.7	25.8	28.0
87.5°	14.5	13.4	13.5	13.3	13.5	13.2	12.6
90°	18.3	19.4	20.2	20.9	21.4	22.1	22.7
92.5°	40.5	41.9	42.9	43.3	43.8	44.3	44.7
95°	77.4	78.8	79.8	80.2	80.6	81.0	81.4
97.5°	120.3	121.7	122.5	122.8	123.0	123.3	123.5
100°	150.7	152.5	153.7	154.1	154.5	155.0	155.4
102.5°	181.5	183.5	184.8	185.5	186.1	186.6	187.2
105°	230.2	231.5	232.4	233.1	233.7	234.3	235.0
107.5°	283.1	283.7	284.1	284.0	284.0	283.9	283.8
110°	320.2	320.8	321.1	320.8	320.7	320.4	320.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	357.1	357.4	357.3	357.0	356.6	356.2	355.9
115°	413.4	413.2	412.9	412.8	412.5	412.3	412.1
117.5°	470.6	470.8	470.4	469.6	468.8	467.9	467.1
120°	508.7	508.7	508.3	507.5	506.6	505.8	505.0
122.5°	546.2	546.0	545.6	544.9	544.2	543.6	542.9
125°	601.3	600.9	600.5	600.4	600.1	599.9	599.7
127.5°	656.5	656.3	656.0	655.6	655.1	654.7	654.3
130°	692.8	692.7	692.4	691.9	691.5	691.0	690.6
132.5°	727.7	727.5	727.2	726.5	725.9	725.4	724.8
135°	781.6	781.6	781.2	780.3	779.5	778.7	777.8
137.5°	834.1	834.4	834.0	832.9	831.8	830.8	829.7
140°	867.2	867.6	867.3	866.3	865.2	864.1	863.1
142.5°	899.3	899.5	899.1	898.1	897.1	896.0	895.0
145°	945.5	945.5	945.2	944.6	944.0	943.3	942.6
147.5°	989.1	989.6	989.1	987.7	986.3	984.9	983.4
150°	1015.6	1015.6	1015.5	1015.0	1014.6	1014.2	1013.7
152.5°	1041.4	1041.9	1041.8	1041.1	1040.2	1039.5	1038.8
155°	1077.8	1078.7	1078.6	1077.5	1076.4	1075.5	1074.4
157.5°	1109.1	1109.9	1109.7	1108.3	1106.9	1105.5	1104.2
160°	1128.0	1128.9	1128.8	1127.7	1126.7	1125.6	1124.6
162.5°	1146.0	1147.0	1146.9	1145.7	1144.4	1143.2	1142.0
165°	1169.7	1170.6	1170.4	1169.1	1167.8	1166.6	1165.3
167.5°	1187.9	1189.1	1189.1	1187.8	1186.5	1185.2	1183.9
170°	1198.5	1199.7	1199.6	1198.2	1196.7	1195.2	1193.8
172.5°	1206.1	1207.3	1207.3	1206.0	1204.7	1203.4	1202.1
175°	1214.6	1215.9	1215.8	1214.3	1212.8	1211.3	1209.8
177.5°	1218.2	1219.2	1219.1	1218.0	1216.8	1215.6	1214.4
180°	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4	1217.4

(END OF REPORT)