

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: P332571

Luminaire Tested: **S124DIP-S575D1205U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332571  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S575D1205U835-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

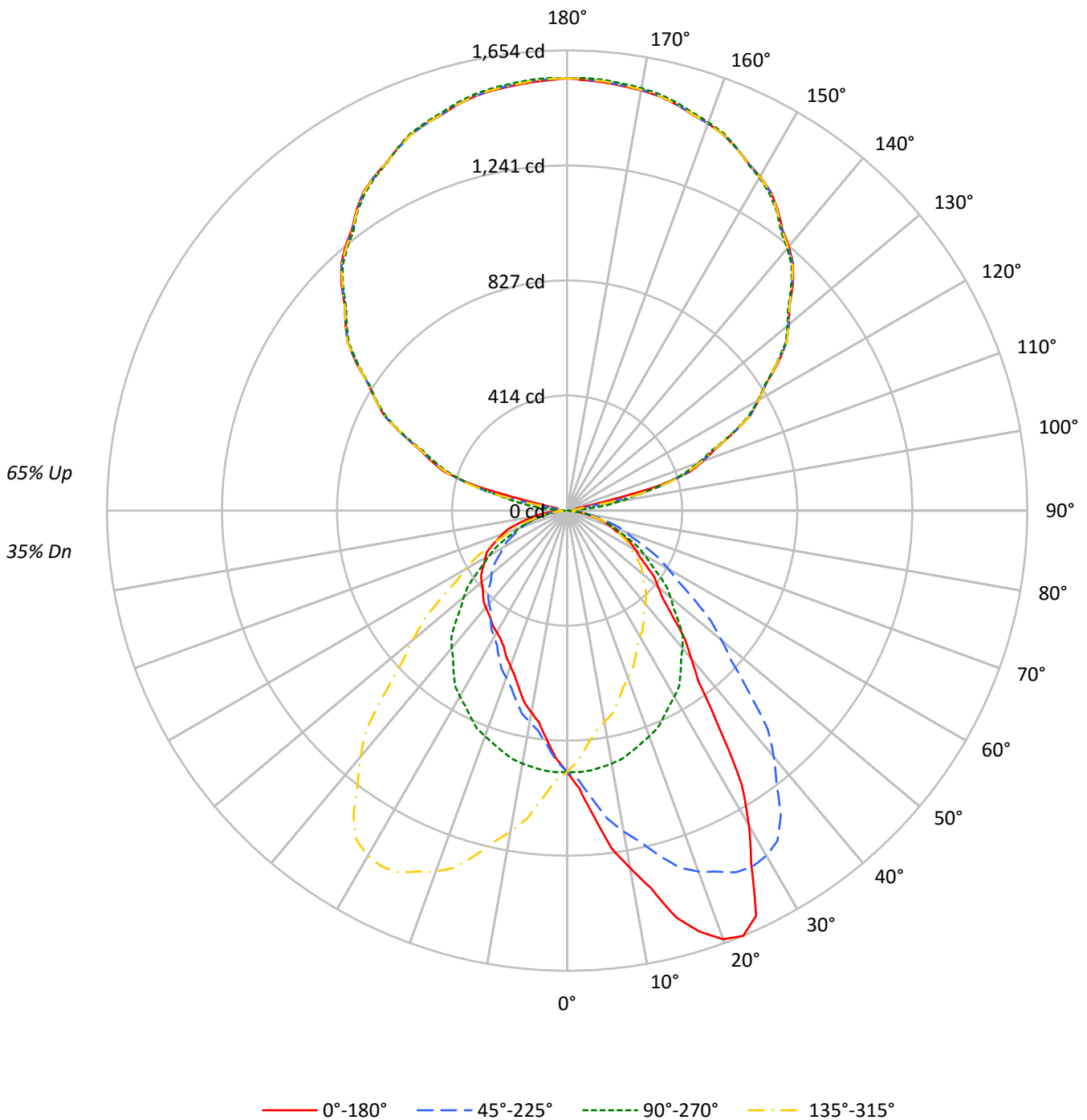
Lumens per Lamp: N/A  
Luminaire Lumens: 7401.4 lumens  
Efficiency: N/A  
Efficacy: 149.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 49.4  
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	38	37	36	30
2	86	79	73	68	78	72	67	62	58	54	51	45	43	41	33	32	31	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22
4	72	62	54	48	65	56	49	44	45	41	37	36	32	30	27	24	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	32	28	29	25	23	22	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	23	20	20	17	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14	11
9	48	37	29	24	44	34	27	23	28	23	19	22	19	16	17	14	13	10
10	45	33	26	22	41	31	24	20	25	21	17	20	17	14	16	13	11	9

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

	0°	90°	180°	270°
0°	7582	7582	7582	7582
5°	8930	7602	6710	7602
10°	10691	7569	6041	7569
15°	12649	7492	5548	7492
20°	14086	7414	5107	7414
25°	14313	7299	4804	7299
30°	12179	7189	4708	7189
35°	9363	7009	4709	7009
40°	7299	6798	4797	6798
45°	6085	6481	4877	6481
50°	5355	6094	5043	6094
55°	4906	5630	5246	5630
60°	4598	5214	5491	5214
65°	4281	4749	5692	4749
70°	3911	4289	5823	4289
75°	3497	3774	5752	3774
80°	2929	3092	5570	3092
85°	2158	2232	5335	2232



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.5	1.2
10°-20°	282.0	3.8
20°-30°	447.2	6.0
30°-40°	497.7	6.7
40°-50°	453.1	6.1
50°-60°	370.2	5.0
60°-70°	264.3	3.6
70°-80°	145.5	2.0
80°-90°	44.2	0.6
90°-100°	53.1	0.7
100°-110°	338.8	4.6
110°-120°	648.1	8.8
120°-130°	822.7	11.1
130°-140°	880.2	11.9
140°-150°	823.1	11.1
150°-160°	663.8	9.0
160°-170°	428.1	5.8
170°-180°	147.6	2.0
0°-30°	820.8	11.1
0°-40°	1318.5	17.8
0°-60°	2141.8	28.9
0°-90°	2595.9	35.1
90°-120°	1040.0	14.1
90°-150°	3566.1	48.2
90°-180°	4806.0	64.9
0°-180°	7401.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	1102	938	828	938	1102	112
15°	1514	896	664	896	1514	428
25°	1607	819	539	819	1607	708
35°	950	711	478	711	950	603
45°	533	568	427	568	533	420
55°	349	400	373	400	349	315
65°	224	249	298	249	224	222
75°	112	121	184	121	112	119
85°	23	24	58	24	23	29
90°	35	4	35	4	35	16
95°	34	64	34	64	34	27
105°	331	350	331	350	331	289
115°	658	653	658	653	658	651
125°	925	918	925	918	925	824
135°	1147	1139	1147	1139	1147	883
145°	1320	1313	1320	1313	1320	825
155°	1438	1440	1438	1440	1438	663
165°	1512	1519	1512	1519	1512	427
175°	1544	1554	1544	1554	1544	147
180°	1554	1554	1554	1554	1554	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	999.6	999.3	996.2	995.6	993.4	990.6	990.0	985.0	975.0	970.4	969.1
5°	1101.9	1109.7	1099.5	1097.6	1096.4	1083.6	1077.0	1069.2	1051.3	1040.8	1032.6
7.5°	1223.9	1224.8	1220.4	1216.8	1206.9	1195.7	1178.9	1161.0	1139.7	1117.5	1100.8
10°	1304.2	1307.3	1302.3	1301.5	1281.6	1269.2	1244.3	1223.3	1199.1	1172.3	1147.8
12.5°	1388.9	1384.5	1381.9	1365.3	1361.6	1338.9	1310.0	1288.3	1251.1	1220.2	1187.6
15°	1513.5	1505.0	1499.5	1476.6	1465.3	1433.8	1403.0	1379.3	1330.7	1284.4	1249.3
17.5°	1586.7	1595.2	1582.6	1573.2	1544.0	1521.9	1490.5	1440.7	1402.6	1345.1	1300.9
20°	1639.6	1640.4	1633.4	1623.6	1600.7	1572.7	1538.4	1484.0	1438.4	1381.2	1320.5
22.5°	1653.9	1654.1	1651.1	1642.0	1624.6	1601.9	1567.4	1521.9	1466.8	1404.6	1343.9
25°	1606.9	1605.4	1608.9	1619.0	1612.4	1605.4	1585.5	1551.7	1500.3	1434.5	1369.2
27.5°	1432.3	1443.0	1462.8	1487.7	1511.7	1529.9	1535.1	1528.2	1496.3	1442.2	1373.8
30°	1306.5	1319.8	1334.5	1359.5	1407.7	1435.3	1465.7	1488.6	1475.8	1432.6	1368.8
32.5°	1168.3	1171.6	1193.5	1221.9	1266.1	1319.2	1367.3	1413.9	1429.4	1406.8	1353.5
35°	950.1	955.6	979.3	1007.3	1061.4	1126.4	1198.8	1263.3	1316.7	1338.1	1310.8
37.5°	775.4	791.0	807.7	837.8	885.5	944.0	1019.2	1102.7	1182.2	1235.4	1244.4
40°	692.6	702.3	714.4	737.3	777.8	835.4	899.9	995.7	1080.1	1156.4	1181.3
42.5°	627.2	632.9	640.3	661.0	691.9	749.1	808.1	892.3	977.1	1068.3	1110.0
45°	533.0	538.9	551.3	563.4	586.7	626.4	681.3	750.5	835.7	923.7	1000.7
47.5°	465.0	468.8	476.2	489.1	508.9	535.1	579.7	637.5	716.5	801.9	884.0
50°	426.4	429.5	435.4	447.1	462.2	485.6	522.1	576.2	638.1	724.1	804.6
52.5°	395.9	397.2	401.5	409.4	421.5	441.1	471.1	515.8	573.4	650.0	730.2
55°	348.6	350.2	354.1	359.9	370.4	382.9	405.8	439.3	489.5	556.0	625.6
57.5°	309.7	310.8	314.1	316.3	325.0	335.1	352.7	376.6	414.7	471.1	533.3
60°	284.8	284.0	287.9	289.9	295.7	304.3	317.9	340.8	373.9	419.4	476.6
62.5°	260.5	259.4	262.7	265.3	268.6	275.9	287.1	305.0	331.9	373.1	422.5
65°	224.1	222.6	224.5	227.6	230.7	234.6	242.8	258.7	280.1	309.7	347.4
67.5°	187.5	189.2	189.5	191.0	192.8	198.1	203.7	215.0	230.1	253.8	285.7
70°	165.7	166.1	167.7	167.7	168.9	173.5	178.2	184.8	199.6	221.4	247.5
72.5°	144.0	145.6	145.0	146.2	147.1	150.2	153.6	159.9	172.5	188.7	210.7
75°	112.1	113.2	113.2	113.6	114.8	115.9	118.7	123.3	132.3	144.3	159.5
77.5°	81.7	81.9	82.4	83.8	83.8	85.7	87.7	91.4	95.9	104.1	113.4
80°	63.0	63.8	63.4	64.2	64.2	65.8	66.5	71.2	73.1	78.6	86.0
82.5°	46.2	47.0	46.9	48.0	48.6	48.9	50.0	51.9	53.8	58.7	61.7
85°	23.3	24.1	23.3	24.1	25.3	25.7	26.8	27.2	28.8	30.0	32.7
87.5°	13.8	14.7	14.5	14.8	15.3	15.4	15.4	14.8	15.7	15.7	16.5
90°	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7	27.1	25.6	23.5
92.5°	32.1	32.0	31.9	31.8	31.7	30.8	29.3	27.7	26.2	24.6	22.6
95°	33.7	33.4	33.2	32.9	32.7	31.8	30.2	28.7	27.1	25.6	25.3
97.5°	32.5	32.3	32.0	31.8	31.5	31.3	31.1	31.0	30.8	30.7	29.5
100°	32.5	32.3	32.0	31.8	31.5	33.6	38.0	42.3	46.7	51.1	86.8
102.5°	33.5	33.4	33.4	33.3	33.3	56.9	104.3	151.6	199.0	246.3	251.0
105°	331.2	340.5	349.7	359.0	368.3	371.8	369.5	367.2	364.9	362.5	361.2
107.5°	461.5	460.5	459.6	458.6	457.6	456.5	455.4	454.3	453.1	452.0	450.2
110°	518.2	517.5	516.7	515.9	515.1	514.5	514.0	513.5	512.9	512.4	510.9



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CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	574.9	574.0	573.0	572.0	571.0	570.6	570.7	570.8	570.9	571.0	570.3
115°	657.7	657.7	657.7	657.7	657.7	657.4	656.9	656.4	655.9	655.3	655.6
117.5°	741.8	741.9	742.0	742.1	742.2	742.3	742.4	742.5	742.6	742.7	742.2
120°	794.8	795.3	795.8	796.3	796.8	796.8	796.3	795.8	795.3	794.8	795.0
122.5°	846.8	847.3	847.9	848.4	848.9	849.0	848.7	848.4	848.1	847.8	847.4
125°	924.9	924.7	924.4	924.1	923.9	923.4	922.6	921.8	921.0	920.3	920.8
127.5°	993.5	993.7	993.9	994.1	994.3	994.5	994.6	994.8	994.9	995.1	993.9
130°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.8	1039.6	1039.3	1039.0	1038.8	1038.0
132.5°	1082.7	1082.9	1083.1	1083.3	1083.5	1083.5	1083.3	1083.0	1082.7	1082.5	1081.5
135°	1146.8	1146.3	1145.8	1145.3	1144.8	1144.3	1143.7	1143.2	1142.7	1142.2	1141.2
137.5°	1201.7	1201.8	1202.0	1202.2	1202.3	1202.1	1201.5	1201.0	1200.4	1199.8	1198.7
140°	1239.8	1239.5	1239.3	1239.0	1238.8	1238.3	1237.5	1236.7	1235.9	1235.2	1234.6
142.5°	1271.4	1271.4	1271.3	1271.3	1271.2	1270.9	1270.3	1269.8	1269.2	1268.6	1268.3
145°	1320.0	1319.5	1318.9	1318.4	1317.9	1317.5	1317.3	1317.0	1316.8	1316.5	1316.5
147.5°	1360.2	1359.9	1359.7	1359.4	1359.1	1358.9	1358.7	1358.5	1358.3	1358.1	1358.3
150°	1386.2	1386.0	1385.7	1385.4	1385.2	1385.0	1385.0	1385.0	1385.0	1385.0	1385.3
152.5°	1408.5	1408.7	1408.8	1409.0	1409.1	1409.0	1408.6	1408.2	1407.8	1407.4	1407.8
155°	1438.5	1439.3	1440.0	1440.8	1441.6	1441.5	1440.4	1439.4	1438.4	1437.3	1438.1
157.5°	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0	1467.6	1466.3	1464.9	1463.6	1464.5
160°	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5	1485.0	1483.4	1481.9	1480.3	1480.6
162.5°	1493.3	1495.1	1496.9	1498.6	1500.4	1500.5	1498.9	1497.4	1495.8	1494.3	1494.5
165°	1511.7	1514.0	1516.3	1518.7	1521.0	1521.1	1519.1	1517.0	1514.9	1512.9	1512.9
167.5°	1525.4	1528.0	1530.6	1533.2	1535.7	1535.9	1533.6	1531.4	1529.1	1526.8	1527.0
170°	1533.8	1536.4	1538.9	1541.5	1544.1	1544.4	1542.3	1540.2	1538.2	1536.1	1535.8
172.5°	1538.4	1541.2	1544.0	1546.8	1549.6	1549.9	1547.9	1545.8	1543.7	1541.7	1541.4
175°	1544.2	1547.3	1550.4	1553.5	1556.6	1557.0	1554.7	1552.4	1550.0	1547.7	1547.5
177.5°	1548.0	1550.4	1552.9	1555.4	1557.9	1558.3	1556.6	1555.0	1553.3	1551.7	1551.3
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	969.4	965.1	962.0	959.5	952.6	948.6	945.5	941.1	936.1	930.8	924.3
5°	1024.5	1011.2	1001.5	986.7	972.7	961.0	949.0	938.1	924.8	910.5	899.9
7.5°	1082.3	1062.6	1037.4	1015.5	990.9	969.5	950.4	930.8	910.4	890.6	872.5
10°	1119.0	1093.7	1065.7	1032.6	1001.5	973.9	948.2	923.3	899.2	875.0	854.4
12.5°	1158.5	1127.0	1085.6	1046.9	1012.1	975.1	944.1	913.6	884.5	859.2	835.1
15°	1211.6	1166.1	1118.2	1066.5	1020.6	977.4	935.0	896.4	863.8	830.3	807.0
17.5°	1244.2	1187.9	1133.2	1079.1	1023.5	969.0	923.3	878.9	837.9	804.7	775.3
20°	1265.7	1209.7	1141.6	1087.5	1021.3	965.3	912.4	863.0	820.2	784.8	754.4
22.5°	1284.4	1219.6	1151.5	1080.3	1014.5	955.0	897.1	847.4	803.7	766.4	737.3
25°	1294.5	1220.2	1146.2	1075.4	1000.7	930.3	877.8	819.4	772.7	733.4	702.3
27.5°	1295.6	1216.1	1132.5	1053.8	976.7	911.1	844.8	792.6	744.2	702.6	672.7
30°	1292.1	1209.3	1119.4	1034.2	956.8	885.5	828.0	771.2	721.7	680.5	649.4
32.5°	1281.2	1194.9	1102.6	1012.4	932.2	862.5	803.1	749.1	700.9	660.3	627.6
35°	1249.7	1164.5	1066.1	972.3	890.2	819.8	766.1	711.2	663.0	624.5	593.0
37.5°	1200.5	1123.4	1023.4	926.3	845.7	775.0	721.7	672.2	628.7	589.5	557.2
40°	1157.5	1089.8	989.4	894.9	807.7	740.4	690.6	645.1	601.9	564.9	534.2
42.5°	1108.0	1049.0	956.4	856.3	772.2	704.6	656.1	615.2	574.5	540.4	509.6
45°	1019.8	980.9	893.7	801.1	713.6	649.8	603.5	567.7	533.4	500.0	474.3
47.5°	918.3	899.0	825.6	737.7	654.6	591.7	551.6	518.5	488.5	460.1	437.5
50°	850.1	840.8	777.4	692.6	613.2	554.1	513.6	485.2	459.5	434.6	413.2
52.5°	782.9	782.6	725.4	647.7	574.3	517.3	477.2	450.6	428.4	408.1	388.9
55°	680.1	691.0	646.3	577.0	511.3	459.9	423.7	400.0	384.4	367.7	353.3
57.5°	585.7	603.8	566.9	505.9	451.0	403.7	372.2	354.4	337.8	327.7	317.2
60°	524.1	541.2	512.4	461.1	409.3	368.8	338.9	322.9	308.5	301.5	294.1
62.5°	469.3	484.6	463.2	415.6	370.7	331.8	306.5	291.2	281.5	273.8	268.9
65°	391.0	403.9	385.6	351.0	312.4	281.3	260.7	248.6	239.3	236.2	230.7
67.5°	316.1	327.8	317.9	288.5	257.6	234.0	217.9	206.3	200.8	198.0	194.2
70°	271.6	283.3	272.7	247.1	223.3	203.5	188.3	181.7	175.9	174.7	169.3
72.5°	233.9	241.9	231.3	211.3	191.0	174.2	162.5	155.6	152.5	150.4	147.5
75°	175.5	182.5	175.5	159.9	145.5	133.8	123.7	121.0	117.5	116.3	114.4
77.5°	124.2	130.3	124.9	115.2	104.4	95.4	90.0	86.5	85.7	83.7	84.6
80°	94.9	98.8	93.8	87.2	78.6	72.4	68.5	66.5	64.2	63.4	65.0
82.5°	68.2	69.9	67.3	62.9	56.5	52.4	49.8	47.5	47.1	47.2	47.2
85°	35.4	35.0	34.6	30.7	28.8	26.1	24.5	24.1	23.7	24.5	25.3
87.5°	16.1	16.0	15.3	13.6	12.1	10.5	9.7	8.8	9.7	10.5	11.4
90°	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5	6.3	9.2	12.0
92.5°	20.5	18.4	16.4	15.3	15.1	15.0	14.8	14.6	14.8	15.0	15.1
95°	25.0	24.8	24.5	28.8	37.6	46.3	55.1	63.9	55.1	46.3	37.6
97.5°	88.3	117.1	145.9	157.6	152.1	146.7	141.2	135.7	141.2	146.7	152.1
100°	122.4	158.0	193.7	209.2	204.5	199.9	195.2	190.6	195.2	199.9	204.5
102.5°	255.6	260.3	264.9	265.5	262.1	258.7	255.3	251.9	255.3	258.7	262.1
105°	359.9	358.7	357.4	355.9	354.4	352.8	351.3	349.7	351.3	352.8	354.4
107.5°	448.5	446.7	445.0	443.7	442.9	442.2	441.4	440.6	441.4	442.2	442.9
110°	509.3	507.8	506.2	505.1	504.3	503.5	502.7	502.0	502.7	503.5	504.3





TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	569.5	568.8	568.1	567.0	565.6	564.2	562.9	561.5	562.9	564.2	565.6
115°	655.9	656.1	656.4	656.1	655.3	654.6	653.8	653.0	653.8	654.6	655.3
117.5°	741.6	741.0	740.4	739.6	738.6	737.6	736.5	735.5	736.5	737.6	738.6
120°	795.3	795.6	795.8	795.4	794.4	793.4	792.3	791.3	792.3	793.4	794.4
122.5°	847.0	846.7	846.3	845.8	845.2	844.6	844.0	843.3	844.0	844.6	845.2
125°	921.3	921.8	922.3	922.1	921.0	920.0	919.0	917.9	919.0	920.0	921.0
127.5°	992.7	991.5	990.3	989.6	989.4	989.1	988.8	988.6	988.8	989.1	989.4
130°	1037.2	1036.5	1035.7	1035.2	1034.9	1034.7	1034.4	1034.1	1034.4	1034.7	1034.9
132.5°	1080.5	1079.5	1078.6	1077.8	1077.4	1076.9	1076.4	1076.0	1076.4	1076.9	1077.4
135°	1140.1	1139.1	1138.1	1137.7	1137.9	1138.2	1138.5	1138.7	1138.5	1138.2	1137.9
137.5°	1197.6	1196.4	1195.3	1194.7	1194.6	1194.5	1194.4	1194.3	1194.4	1194.5	1194.6
140°	1234.1	1233.6	1233.1	1232.6	1232.1	1231.5	1231.0	1230.5	1231.0	1231.5	1232.1
142.5°	1268.0	1267.7	1267.4	1266.8	1265.8	1264.9	1264.0	1263.0	1264.0	1264.9	1265.8
145°	1316.5	1316.5	1316.5	1316.1	1315.3	1314.6	1313.8	1313.0	1313.8	1314.6	1315.3
147.5°	1358.6	1358.9	1359.1	1358.5	1357.1	1355.6	1354.2	1352.7	1354.2	1355.6	1357.1
150°	1385.6	1385.8	1386.1	1385.7	1384.7	1383.6	1382.6	1381.6	1382.6	1383.6	1384.7
152.5°	1408.3	1408.8	1409.2	1409.0	1408.2	1407.4	1406.6	1405.7	1406.6	1407.4	1408.2
155°	1438.9	1439.7	1440.4	1440.7	1440.4	1440.2	1439.9	1439.7	1439.9	1440.2	1440.4
157.5°	1465.4	1466.2	1467.1	1467.6	1467.8	1467.9	1468.1	1468.2	1468.1	1467.9	1467.8
160°	1480.8	1481.1	1481.4	1481.9	1482.7	1483.4	1484.2	1485.0	1484.2	1483.4	1482.7
162.5°	1494.8	1495.0	1495.3	1495.9	1496.9	1497.9	1498.9	1499.8	1498.9	1497.9	1496.9
165°	1512.9	1512.9	1512.9	1513.5	1514.8	1516.1	1517.4	1518.7	1517.4	1516.1	1514.8
167.5°	1527.1	1527.3	1527.4	1528.2	1529.5	1530.9	1532.2	1533.5	1532.2	1530.9	1529.5
170°	1535.6	1535.3	1535.1	1535.7	1537.3	1538.8	1540.4	1541.9	1540.4	1538.8	1537.3
172.5°	1541.2	1540.9	1540.6	1541.3	1542.8	1544.4	1545.9	1547.5	1545.9	1544.4	1542.8
175°	1547.2	1546.9	1546.7	1547.3	1548.9	1550.4	1552.0	1553.5	1552.0	1550.4	1548.9
177.5°	1550.8	1550.4	1550.0	1550.5	1552.0	1553.4	1554.9	1556.3	1554.9	1553.4	1552.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	921.2	918.4	914.3	908.7	904.1	899.1	897.8	896.0	899.7	896.6	895.7
5°	891.0	882.8	872.3	860.3	853.3	843.1	841.2	837.3	833.4	833.0	829.1
7.5°	859.0	847.0	833.3	821.0	809.6	798.6	791.3	789.8	784.0	780.7	776.8
10°	838.5	823.7	807.7	796.1	782.8	771.2	763.0	758.3	754.4	750.1	746.3
12.5°	814.2	798.5	785.3	772.7	757.0	748.1	734.7	726.6	725.8	725.9	715.8
15°	785.9	770.4	750.1	732.3	723.7	706.6	699.2	689.8	684.0	678.2	673.5
17.5°	753.7	734.3	718.5	697.9	681.6	668.0	658.2	652.6	643.9	635.6	629.6
20°	733.4	712.8	696.1	674.3	656.4	639.7	631.5	623.7	617.1	610.1	603.5
22.5°	712.9	691.3	670.9	649.7	633.0	615.4	607.5	596.9	590.6	586.7	580.1
25°	680.5	657.2	633.8	613.6	596.5	580.9	570.4	562.2	555.2	552.1	547.8
27.5°	645.3	622.1	599.6	576.6	557.2	545.9	537.5	531.3	527.3	523.2	521.2
30°	622.9	598.8	574.7	553.3	535.4	524.1	516.3	512.0	508.9	507.0	505.0
32.5°	600.2	576.4	551.0	531.5	515.5	505.4	499.5	495.2	493.7	493.0	492.3
35°	563.8	539.7	516.3	498.8	483.6	479.7	474.7	472.3	471.6	474.3	475.5
37.5°	528.5	506.1	484.6	467.7	457.7	452.0	450.3	450.4	453.2	455.6	458.4
40°	505.8	484.0	463.8	449.0	439.7	436.2	435.4	437.3	440.4	443.2	446.3
42.5°	483.7	462.2	443.9	430.0	423.5	420.3	420.8	422.7	427.1	430.4	435.1
45°	449.4	431.5	413.6	402.3	396.9	397.6	397.6	401.1	405.4	410.5	415.5
47.5°	417.1	399.0	384.3	374.8	372.0	371.3	373.5	378.1	384.3	390.5	397.6
50°	395.3	378.2	365.3	356.8	353.7	354.8	358.0	362.2	369.6	377.4	384.8
52.5°	373.2	357.6	345.7	337.8	335.6	337.7	340.8	347.6	354.1	362.5	371.4
55°	338.9	325.7	316.3	310.5	309.7	310.9	314.4	321.8	331.1	341.6	350.2
57.5°	304.7	293.7	285.1	281.1	281.5	282.6	288.3	297.1	307.1	318.3	329.3
60°	281.7	271.6	264.6	261.5	261.9	264.2	271.2	279.4	291.8	302.7	314.4
62.5°	259.9	251.0	244.3	241.5	241.0	246.1	252.8	261.3	273.8	285.9	298.5
65°	224.9	217.9	212.4	210.9	212.0	215.9	224.5	235.8	246.3	259.1	272.4
67.5°	190.6	184.9	181.2	181.9	183.3	189.0	196.2	205.9	217.8	231.1	244.2
70°	168.9	163.4	160.3	160.7	163.0	170.0	176.3	186.0	198.8	212.4	223.3
72.5°	146.5	142.9	140.1	141.7	144.0	148.9	156.6	166.4	177.7	190.3	201.9
75°	112.4	112.4	110.9	112.1	115.6	120.2	126.1	136.2	147.5	157.6	166.9
77.5°	83.4	82.6	83.6	85.0	87.0	92.5	99.2	106.5	114.9	125.1	132.8
80°	63.8	64.2	66.1	68.5	69.3	73.5	80.5	87.2	93.8	102.3	109.7
82.5°	47.9	48.3	49.3	52.3	53.1	57.7	62.2	68.8	74.8	80.5	86.7
85°	26.1	26.1	28.0	29.2	31.1	34.2	37.0	40.9	46.3	50.2	56.0
87.5°	12.9	13.4	15.1	16.1	17.5	19.4	20.4	24.1	25.7	27.5	30.5
90°	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7	30.2	31.8	32.8
92.5°	15.3	16.4	18.4	20.5	22.6	24.6	26.2	27.7	29.3	30.8	31.7
95°	28.8	24.5	24.8	25.0	25.3	25.6	27.1	28.7	30.2	31.8	32.7
97.5°	157.6	145.9	117.1	88.3	59.5	30.7	30.8	31.0	31.1	31.3	31.5
100°	209.2	193.7	158.0	122.4	86.8	51.1	46.7	42.3	38.0	33.6	31.5
102.5°	265.5	264.9	260.3	255.6	251.0	246.3	199.0	151.6	104.3	56.9	33.3
105°	355.9	357.4	358.7	359.9	361.2	362.5	364.9	367.2	369.5	371.8	368.3
107.5°	443.7	445.0	446.7	448.5	450.2	452.0	453.1	454.3	455.4	456.5	457.6
110°	505.1	506.2	507.8	509.3	510.9	512.4	512.9	513.5	514.0	514.5	515.1



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	567.0	568.1	568.8	569.5	570.3	571.0	570.9	570.8	570.7	570.6	571.0
115°	656.1	656.4	656.1	655.9	655.6	655.3	655.9	656.4	656.9	657.4	657.7
117.5°	739.6	740.4	741.0	741.6	742.2	742.7	742.6	742.5	742.4	742.3	742.2
120°	795.4	795.8	795.6	795.3	795.0	794.8	795.3	795.8	796.3	796.8	796.8
122.5°	845.8	846.3	846.7	847.0	847.4	847.8	848.1	848.4	848.7	849.0	848.9
125°	922.1	922.3	921.8	921.3	920.8	920.3	921.0	921.8	922.6	923.4	923.9
127.5°	989.6	990.3	991.5	992.7	993.9	995.1	994.9	994.8	994.6	994.5	994.3
130°	1035.2	1035.7	1036.5	1037.2	1038.0	1038.8	1039.0	1039.3	1039.6	1039.8	1039.9
132.5°	1077.8	1078.6	1079.5	1080.5	1081.5	1082.5	1082.7	1083.0	1083.3	1083.5	1083.5
135°	1137.7	1138.1	1139.1	1140.1	1141.2	1142.2	1142.7	1143.2	1143.7	1144.3	1144.8
137.5°	1194.7	1195.3	1196.4	1197.6	1198.7	1199.8	1200.4	1201.0	1201.5	1202.1	1202.3
140°	1232.6	1233.1	1233.6	1234.1	1234.6	1235.2	1235.9	1236.7	1237.5	1238.3	1238.8
142.5°	1266.8	1267.4	1267.7	1268.0	1268.3	1268.6	1269.2	1269.8	1270.3	1270.9	1271.2
145°	1316.1	1316.5	1316.5	1316.5	1316.5	1316.5	1316.8	1317.0	1317.3	1317.5	1317.9
147.5°	1358.5	1359.1	1358.9	1358.6	1358.3	1358.1	1358.3	1358.5	1358.7	1358.9	1359.1
150°	1385.7	1386.1	1385.8	1385.6	1385.3	1385.0	1385.0	1385.0	1385.0	1385.0	1385.2
152.5°	1409.0	1409.2	1408.8	1408.3	1407.8	1407.4	1407.8	1408.2	1408.6	1409.0	1409.1
155°	1440.7	1440.4	1439.7	1438.9	1438.1	1437.3	1438.4	1439.4	1440.4	1441.5	1441.6
157.5°	1467.6	1467.1	1466.2	1465.4	1464.5	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0
160°	1481.9	1481.4	1481.1	1480.8	1480.6	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5
162.5°	1495.9	1495.3	1495.0	1494.8	1494.5	1494.3	1495.8	1497.4	1498.9	1500.5	1500.4
165°	1513.5	1512.9	1512.9	1512.9	1512.9	1512.9	1514.9	1517.0	1519.1	1521.1	1521.0
167.5°	1528.2	1527.4	1527.3	1527.1	1527.0	1526.8	1529.1	1531.4	1533.6	1535.9	1535.7
170°	1535.7	1535.1	1535.3	1535.6	1535.8	1536.1	1538.2	1540.2	1542.3	1544.4	1544.1
172.5°	1541.3	1540.6	1540.9	1541.2	1541.4	1541.7	1543.7	1545.8	1547.9	1549.9	1549.6
175°	1547.3	1546.7	1546.9	1547.2	1547.5	1547.7	1550.0	1552.4	1554.7	1557.0	1556.6
177.5°	1550.5	1550.0	1550.4	1550.8	1551.3	1551.7	1553.3	1555.0	1556.6	1558.3	1557.9
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	895.0	894.4	892.2	891.9	892.2	894.4	895.0	895.7	896.6	899.7	896.0
5°	826.8	824.9	823.7	828.0	823.7	824.9	826.8	829.1	833.0	833.4	837.3
7.5°	775.4	773.8	770.4	769.3	770.4	773.8	775.4	776.8	780.7	784.0	789.8
10°	742.4	740.8	737.7	736.9	737.7	740.8	742.4	746.3	750.1	754.4	758.3
12.5°	710.6	707.5	706.9	707.7	706.9	707.5	710.6	715.8	725.9	725.8	726.6
15°	668.4	666.9	662.6	663.8	662.6	666.9	668.4	673.5	678.2	684.0	689.8
17.5°	626.9	625.0	619.8	624.4	619.8	625.0	626.9	629.6	635.6	643.9	652.6
20°	600.7	597.6	594.9	594.5	594.9	597.6	600.7	603.5	610.1	617.1	623.7
22.5°	575.8	573.0	572.8	570.2	572.8	573.0	575.8	580.1	586.7	590.6	596.9
25°	544.7	542.0	541.2	539.3	541.2	542.0	544.7	547.8	552.1	555.2	562.2
27.5°	520.8	519.5	518.1	518.7	518.1	519.5	520.8	521.2	523.2	527.3	531.3
30°	506.2	505.8	505.0	505.0	505.0	505.8	506.2	505.0	507.0	508.9	512.0
32.5°	494.1	494.0	494.4	494.4	494.4	494.0	494.1	492.3	493.0	493.7	495.2
35°	477.0	478.2	479.0	477.8	479.0	478.2	477.0	475.5	474.3	471.6	472.3
37.5°	461.6	462.8	463.9	465.2	463.9	462.8	461.6	458.4	455.6	453.2	450.4
40°	449.8	452.5	453.3	455.2	453.3	452.5	449.8	446.3	443.2	440.4	437.3
42.5°	438.6	441.6	443.6	444.0	443.6	441.6	438.6	435.1	430.4	427.1	422.7
45°	421.4	424.5	427.2	427.2	427.2	424.5	421.4	415.5	410.5	405.4	401.1
47.5°	403.6	408.1	410.8	411.5	410.8	408.1	403.6	397.6	390.5	384.3	378.1
50°	391.4	396.9	399.6	401.5	399.6	396.9	391.4	384.8	377.4	369.6	362.2
52.5°	379.6	385.0	388.7	389.7	388.7	385.0	379.6	371.4	362.5	354.1	347.6
55°	359.1	366.9	371.2	372.7	371.2	366.9	359.1	350.2	341.6	331.1	321.8
57.5°	339.8	347.0	352.0	353.1	352.0	347.0	339.8	329.3	318.3	307.1	297.1
60°	324.9	332.7	338.9	340.1	338.9	332.7	324.9	314.4	302.7	291.8	279.4
62.5°	309.6	317.7	323.3	326.4	323.3	317.7	309.6	298.5	285.9	273.8	261.3
65°	283.3	291.4	296.9	298.0	296.9	291.4	283.3	272.4	259.1	246.3	235.8
67.5°	254.5	262.6	266.2	268.5	266.2	262.6	254.5	244.2	231.1	217.8	205.9
70°	234.2	240.8	244.7	246.7	244.7	240.8	234.2	223.3	212.4	198.8	186.0
72.5°	211.2	218.1	222.6	223.0	222.6	218.1	211.2	201.9	190.3	177.7	166.4
75°	175.9	182.1	184.4	184.4	184.4	182.1	175.9	166.9	157.6	147.5	136.2
77.5°	139.2	142.4	145.4	146.0	145.4	142.4	139.2	132.8	125.1	114.9	106.5
80°	115.6	117.5	119.8	119.8	119.8	117.5	115.6	109.7	102.3	93.8	87.2
82.5°	91.3	92.9	95.2	94.9	95.2	92.9	91.3	86.7	80.5	74.8	68.8
85°	55.2	58.8	58.4	57.6	58.4	58.8	55.2	56.0	50.2	46.3	40.9
87.5°	31.6	32.0	33.0	33.7	33.0	32.0	31.6	30.5	27.5	25.7	24.1
90°	33.3	33.8	34.3	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7
92.5°	31.8	31.9	32.0	32.1	32.0	31.9	31.8	31.7	30.8	29.3	27.7
95°	32.9	33.2	33.4	33.7	33.4	33.2	32.9	32.7	31.8	30.2	28.7
97.5°	31.8	32.0	32.3	32.5	32.3	32.0	31.8	31.5	31.3	31.1	31.0
100°	31.8	32.0	32.3	32.5	32.3	32.0	31.8	31.5	33.6	38.0	42.3
102.5°	33.3	33.4	33.4	33.5	33.4	33.4	33.3	33.3	56.9	104.3	151.6
105°	359.0	349.7	340.5	331.2	340.5	349.7	359.0	368.3	371.8	369.5	367.2
107.5°	458.6	459.6	460.5	461.5	460.5	459.6	458.6	457.6	456.5	455.4	454.3
110°	515.9	516.7	517.5	518.2	517.5	516.7	515.9	515.1	514.5	514.0	513.5



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	572.0	573.0	574.0	574.9	574.0	573.0	572.0	571.0	570.6	570.7	570.8
115°	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.4	656.9	656.4
117.5°	742.1	742.0	741.9	741.8	741.9	742.0	742.1	742.2	742.3	742.4	742.5
120°	796.3	795.8	795.3	794.8	795.3	795.8	796.3	796.8	796.8	796.3	795.8
122.5°	848.4	847.9	847.3	846.8	847.3	847.9	848.4	848.9	849.0	848.7	848.4
125°	924.1	924.4	924.7	924.9	924.7	924.4	924.1	923.9	923.4	922.6	921.8
127.5°	994.1	993.9	993.7	993.5	993.7	993.9	994.1	994.3	994.5	994.6	994.8
130°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.8	1039.6	1039.3
132.5°	1083.3	1083.1	1082.9	1082.7	1082.9	1083.1	1083.3	1083.5	1083.5	1083.3	1083.0
135°	1145.3	1145.8	1146.3	1146.8	1146.3	1145.8	1145.3	1144.8	1144.3	1143.7	1143.2
137.5°	1202.2	1202.0	1201.8	1201.7	1201.8	1202.0	1202.2	1202.3	1202.1	1201.5	1201.0
140°	1239.0	1239.3	1239.5	1239.8	1239.5	1239.3	1239.0	1238.8	1238.3	1237.5	1236.7
142.5°	1271.3	1271.3	1271.4	1271.4	1271.4	1271.3	1271.3	1271.2	1270.9	1270.3	1269.8
145°	1318.4	1318.9	1319.5	1320.0	1319.5	1318.9	1318.4	1317.9	1317.5	1317.3	1317.0
147.5°	1359.4	1359.7	1359.9	1360.2	1359.9	1359.7	1359.4	1359.1	1358.9	1358.7	1358.5
150°	1385.4	1385.7	1386.0	1386.2	1386.0	1385.7	1385.4	1385.2	1385.0	1385.0	1385.0
152.5°	1409.0	1408.8	1408.7	1408.5	1408.7	1408.8	1409.0	1409.1	1409.0	1408.6	1408.2
155°	1440.8	1440.0	1439.3	1438.5	1439.3	1440.0	1440.8	1441.6	1441.5	1440.4	1439.4
157.5°	1467.6	1466.3	1464.9	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0	1467.6	1466.3
160°	1485.0	1483.4	1481.9	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5	1485.0	1483.4
162.5°	1498.6	1496.9	1495.1	1493.3	1495.1	1496.9	1498.6	1500.4	1500.5	1498.9	1497.4
165°	1518.7	1516.3	1514.0	1511.7	1514.0	1516.3	1518.7	1521.0	1521.1	1519.1	1517.0
167.5°	1533.2	1530.6	1528.0	1525.4	1528.0	1530.6	1533.2	1535.7	1535.9	1533.6	1531.4
170°	1541.5	1538.9	1536.4	1533.8	1536.4	1538.9	1541.5	1544.1	1544.4	1542.3	1540.2
172.5°	1546.8	1544.0	1541.2	1538.4	1541.2	1544.0	1546.8	1549.6	1549.9	1547.9	1545.8
175°	1553.5	1550.4	1547.3	1544.2	1547.3	1550.4	1553.5	1556.6	1557.0	1554.7	1552.4
177.5°	1555.4	1552.9	1550.4	1548.0	1550.4	1552.9	1555.4	1557.9	1558.3	1556.6	1555.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	897.8	899.1	904.1	908.7	914.3	918.4	921.2	924.3	930.8	936.1	941.1
5°	841.2	843.1	853.3	860.3	872.3	882.8	891.0	899.9	910.5	924.8	938.1
7.5°	791.3	798.6	809.6	821.0	833.3	847.0	859.0	872.5	890.6	910.4	930.8
10°	763.0	771.2	782.8	796.1	807.7	823.7	838.5	854.4	875.0	899.2	923.3
12.5°	734.7	748.1	757.0	772.7	785.3	798.5	814.2	835.1	859.2	884.5	913.6
15°	699.2	706.6	723.7	732.3	750.1	770.4	785.9	807.0	830.3	863.8	896.4
17.5°	658.2	668.0	681.6	697.9	718.5	734.3	753.7	775.3	804.7	837.9	878.9
20°	631.5	639.7	656.4	674.3	696.1	712.8	733.4	754.4	784.8	820.2	863.0
22.5°	607.5	615.4	633.0	649.7	670.9	691.3	712.9	737.3	766.4	803.7	847.4
25°	570.4	580.9	596.5	613.6	633.8	657.2	680.5	702.3	733.4	772.7	819.4
27.5°	537.5	545.9	557.2	576.6	599.6	622.1	645.3	672.7	702.6	744.2	792.6
30°	516.3	524.1	535.4	553.3	574.7	598.8	622.9	649.4	680.5	721.7	771.2
32.5°	499.5	505.4	515.5	531.5	551.0	576.4	600.2	627.6	660.3	700.9	749.1
35°	474.7	479.7	483.6	498.8	516.3	539.7	563.8	593.0	624.5	663.0	711.2
37.5°	450.3	452.0	457.7	467.7	484.6	506.1	528.5	557.2	589.5	628.7	672.2
40°	435.4	436.2	439.7	449.0	463.8	484.0	505.8	534.2	564.9	601.9	645.1
42.5°	420.8	420.3	423.5	430.0	443.9	462.2	483.7	509.6	540.4	574.5	615.2
45°	397.6	397.6	396.9	402.3	413.6	431.5	449.4	474.3	500.0	533.4	567.7
47.5°	373.5	371.3	372.0	374.8	384.3	399.0	417.1	437.5	460.1	488.5	518.5
50°	358.0	354.8	353.7	356.8	365.3	378.2	395.3	413.2	434.6	459.5	485.2
52.5°	340.8	337.7	335.6	337.8	345.7	357.6	373.2	388.9	408.1	428.4	450.6
55°	314.4	310.9	309.7	310.5	316.3	325.7	338.9	353.3	367.7	384.4	400.0
57.5°	288.3	282.6	281.5	281.1	285.1	293.7	304.7	317.2	327.7	337.8	354.4
60°	271.2	264.2	261.9	261.5	264.6	271.6	281.7	294.1	301.5	308.5	322.9
62.5°	252.8	246.1	241.0	241.5	244.3	251.0	259.9	268.9	273.8	281.5	291.2
65°	224.5	215.9	212.0	210.9	212.4	217.9	224.9	230.7	236.2	239.3	248.6
67.5°	196.2	189.0	183.3	181.9	181.2	184.9	190.6	194.2	198.0	200.8	206.3
70°	176.3	170.0	163.0	160.7	160.3	163.4	168.9	169.3	174.7	175.9	181.7
72.5°	156.6	148.9	144.0	141.7	140.1	142.9	146.5	147.5	150.4	152.5	155.6
75°	126.1	120.2	115.6	112.1	110.9	112.4	112.4	114.4	116.3	117.5	121.0
77.5°	99.2	92.5	87.0	85.0	83.6	82.6	83.4	84.6	83.7	85.7	86.5
80°	80.5	73.5	69.3	68.5	66.1	64.2	63.8	65.0	63.4	64.2	66.5
82.5°	62.2	57.7	53.1	52.3	49.3	48.3	47.9	47.2	47.2	47.1	47.5
85°	37.0	34.2	31.1	29.2	28.0	26.1	26.1	25.3	24.5	23.7	24.1
87.5°	20.4	19.4	17.5	16.1	15.1	13.4	12.9	11.4	10.5	9.7	8.8
90°	27.1	25.6	23.5	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5
92.5°	26.2	24.6	22.6	20.5	18.4	16.4	15.3	15.1	15.0	14.8	14.6
95°	27.1	25.6	25.3	25.0	24.8	24.5	28.8	37.6	46.3	55.1	63.9
97.5°	30.8	30.7	59.5	88.3	117.1	145.9	157.6	152.1	146.7	141.2	135.7
100°	46.7	51.1	86.8	122.4	158.0	193.7	209.2	204.5	199.9	195.2	190.6
102.5°	199.0	246.3	251.0	255.6	260.3	264.9	265.5	262.1	258.7	255.3	251.9
105°	364.9	362.5	361.2	359.9	358.7	357.4	355.9	354.4	352.8	351.3	349.7
107.5°	453.1	452.0	450.2	448.5	446.7	445.0	443.7	442.9	442.2	441.4	440.6
110°	512.9	512.4	510.9	509.3	507.8	506.2	505.1	504.3	503.5	502.7	502.0



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	570.9	571.0	570.3	569.5	568.8	568.1	567.0	565.6	564.2	562.9	561.5
115°	655.9	655.3	655.6	655.9	656.1	656.4	656.1	655.3	654.6	653.8	653.0
117.5°	742.6	742.7	742.2	741.6	741.0	740.4	739.6	738.6	737.6	736.5	735.5
120°	795.3	794.8	795.0	795.3	795.6	795.8	795.4	794.4	793.4	792.3	791.3
122.5°	848.1	847.8	847.4	847.0	846.7	846.3	845.8	845.2	844.6	844.0	843.3
125°	921.0	920.3	920.8	921.3	921.8	922.3	922.1	921.0	920.0	919.0	917.9
127.5°	994.9	995.1	993.9	992.7	991.5	990.3	989.6	989.4	989.1	988.8	988.6
130°	1039.0	1038.8	1038.0	1037.2	1036.5	1035.7	1035.2	1034.9	1034.7	1034.4	1034.1
132.5°	1082.7	1082.5	1081.5	1080.5	1079.5	1078.6	1077.8	1077.4	1076.9	1076.4	1076.0
135°	1142.7	1142.2	1141.2	1140.1	1139.1	1138.1	1137.7	1137.9	1138.2	1138.5	1138.7
137.5°	1200.4	1199.8	1198.7	1197.6	1196.4	1195.3	1194.7	1194.6	1194.5	1194.4	1194.3
140°	1235.9	1235.2	1234.6	1234.1	1233.6	1233.1	1232.6	1232.1	1231.5	1231.0	1230.5
142.5°	1269.2	1268.6	1268.3	1268.0	1267.7	1267.4	1266.8	1265.8	1264.9	1264.0	1263.0
145°	1316.8	1316.5	1316.5	1316.5	1316.5	1316.5	1316.1	1315.3	1314.6	1313.8	1313.0
147.5°	1358.3	1358.1	1358.3	1358.6	1358.9	1359.1	1358.5	1357.1	1355.6	1354.2	1352.7
150°	1385.0	1385.0	1385.3	1385.6	1385.8	1386.1	1385.7	1384.7	1383.6	1382.6	1381.6
152.5°	1407.8	1407.4	1407.8	1408.3	1408.8	1409.2	1409.0	1408.2	1407.4	1406.6	1405.7
155°	1438.4	1437.3	1438.1	1438.9	1439.7	1440.4	1440.7	1440.4	1440.2	1439.9	1439.7
157.5°	1464.9	1463.6	1464.5	1465.4	1466.2	1467.1	1467.6	1467.8	1467.9	1468.1	1468.2
160°	1481.9	1480.3	1480.6	1480.8	1481.1	1481.4	1481.9	1482.7	1483.4	1484.2	1485.0
162.5°	1495.8	1494.3	1494.5	1494.8	1495.0	1495.3	1495.9	1496.9	1497.9	1498.9	1499.8
165°	1514.9	1512.9	1512.9	1512.9	1512.9	1512.9	1513.5	1514.8	1516.1	1517.4	1518.7
167.5°	1529.1	1526.8	1527.0	1527.1	1527.3	1527.4	1528.2	1529.5	1530.9	1532.2	1533.5
170°	1538.2	1536.1	1535.8	1535.6	1535.3	1535.1	1535.7	1537.3	1538.8	1540.4	1541.9
172.5°	1543.7	1541.7	1541.4	1541.2	1540.9	1540.6	1541.3	1542.8	1544.4	1545.9	1547.5
175°	1550.0	1547.7	1547.5	1547.2	1546.9	1546.7	1547.3	1548.9	1550.4	1552.0	1553.5
177.5°	1553.3	1551.7	1551.3	1550.8	1550.4	1550.0	1550.5	1552.0	1553.4	1554.9	1556.3
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	945.5	948.6	952.6	959.5	962.0	965.1	969.4	969.1	970.4	975.0	985.0
5°	949.0	961.0	972.7	986.7	1001.5	1011.2	1024.5	1032.6	1040.8	1051.3	1069.2
7.5°	950.4	969.5	990.9	1015.5	1037.4	1062.6	1082.3	1100.8	1117.5	1139.7	1161.0
10°	948.2	973.9	1001.5	1032.6	1065.7	1093.7	1119.0	1147.8	1172.3	1199.1	1223.3
12.5°	944.1	975.1	1012.1	1046.9	1085.6	1127.0	1158.5	1187.6	1220.2	1251.1	1288.3
15°	935.0	977.4	1020.6	1066.5	1118.2	1166.1	1211.6	1249.3	1284.4	1330.7	1379.3
17.5°	923.3	969.0	1023.5	1079.1	1133.2	1187.9	1244.2	1300.9	1345.1	1402.6	1440.7
20°	912.4	965.3	1021.3	1087.5	1141.6	1209.7	1265.7	1320.5	1381.2	1438.4	1484.0
22.5°	897.1	955.0	1014.5	1080.3	1151.5	1219.6	1284.4	1343.9	1404.6	1466.8	1521.9
25°	877.8	930.3	1000.7	1075.4	1146.2	1220.2	1294.5	1369.2	1434.5	1500.3	1551.7
27.5°	844.8	911.1	976.7	1053.8	1132.5	1216.1	1295.6	1373.8	1442.2	1496.3	1528.2
30°	828.0	885.5	956.8	1034.2	1119.4	1209.3	1292.1	1368.8	1432.6	1475.8	1488.6
32.5°	803.1	862.5	932.2	1012.4	1102.6	1194.9	1281.2	1353.5	1406.8	1429.4	1413.9
35°	766.1	819.8	890.2	972.3	1066.1	1164.5	1249.7	1310.8	1338.1	1316.7	1263.3
37.5°	721.7	775.0	845.7	926.3	1023.4	1123.4	1200.5	1244.4	1235.4	1182.2	1102.7
40°	690.6	740.4	807.7	894.9	989.4	1089.8	1157.5	1181.3	1156.4	1080.1	995.7
42.5°	656.1	704.6	772.2	856.3	956.4	1049.0	1108.0	1110.0	1068.3	977.1	892.3
45°	603.5	649.8	713.6	801.1	893.7	980.9	1019.8	1000.7	923.7	835.7	750.5
47.5°	551.6	591.7	654.6	737.7	825.6	899.0	918.3	884.0	801.9	716.5	637.5
50°	513.6	554.1	613.2	692.6	777.4	840.8	850.1	804.6	724.1	638.1	576.2
52.5°	477.2	517.3	574.3	647.7	725.4	782.6	782.9	730.2	650.0	573.4	515.8
55°	423.7	459.9	511.3	577.0	646.3	691.0	680.1	625.6	556.0	489.5	439.3
57.5°	372.2	403.7	451.0	505.9	566.9	603.8	585.7	533.3	471.1	414.7	376.6
60°	338.9	368.8	409.3	461.1	512.4	541.2	524.1	476.6	419.4	373.9	340.8
62.5°	306.5	331.8	370.7	415.6	463.2	484.6	469.3	422.5	373.1	331.9	305.0
65°	260.7	281.3	312.4	351.0	385.6	403.9	391.0	347.4	309.7	280.1	258.7
67.5°	217.9	234.0	257.6	288.5	317.9	327.8	316.1	285.7	253.8	230.1	215.0
70°	188.3	203.5	223.3	247.1	272.7	283.3	271.6	247.5	221.4	199.6	184.8
72.5°	162.5	174.2	191.0	211.3	231.3	241.9	233.9	210.7	188.7	172.5	159.9
75°	123.7	133.8	145.5	159.9	175.5	182.5	175.5	159.5	144.3	132.3	123.3
77.5°	90.0	95.4	104.4	115.2	124.9	130.3	124.2	113.4	104.1	95.9	91.4
80°	68.5	72.4	78.6	87.2	93.8	98.8	94.9	86.0	78.6	73.1	71.2
82.5°	49.8	52.4	56.5	62.9	67.3	69.9	68.2	61.7	58.7	53.8	51.9
85°	24.5	26.1	28.8	30.7	34.6	35.0	35.4	32.7	30.0	28.8	27.2
87.5°	9.7	10.5	12.1	13.6	15.3	16.0	16.1	16.5	15.7	15.7	14.8
90°	6.3	9.2	12.0	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7
92.5°	14.8	15.0	15.1	15.3	16.4	18.4	20.5	22.6	24.6	26.2	27.7
95°	55.1	46.3	37.6	28.8	24.5	24.8	25.0	25.3	25.6	27.1	28.7
97.5°	141.2	146.7	152.1	157.6	145.9	117.1	88.3	59.5	30.7	30.8	31.0
100°	195.2	199.9	204.5	209.2	193.7	158.0	122.4	86.8	51.1	46.7	42.3
102.5°	255.3	258.7	262.1	265.5	264.9	260.3	255.6	251.0	246.3	199.0	151.6
105°	351.3	352.8	354.4	355.9	357.4	358.7	359.9	361.2	362.5	364.9	367.2
107.5°	441.4	442.2	442.9	443.7	445.0	446.7	448.5	450.2	452.0	453.1	454.3
110°	502.7	503.5	504.3	505.1	506.2	507.8	509.3	510.9	512.4	512.9	513.5





TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	562.9	564.2	565.6	567.0	568.1	568.8	569.5	570.3	571.0	570.9	570.8
115°	653.8	654.6	655.3	656.1	656.4	656.1	655.9	655.6	655.3	655.9	656.4
117.5°	736.5	737.6	738.6	739.6	740.4	741.0	741.6	742.2	742.7	742.6	742.5
120°	792.3	793.4	794.4	795.4	795.8	795.6	795.3	795.0	794.8	795.3	795.8
122.5°	844.0	844.6	845.2	845.8	846.3	846.7	847.0	847.4	847.8	848.1	848.4
125°	919.0	920.0	921.0	922.1	922.3	921.8	921.3	920.8	920.3	921.0	921.8
127.5°	988.8	989.1	989.4	989.6	990.3	991.5	992.7	993.9	995.1	994.9	994.8
130°	1034.4	1034.7	1034.9	1035.2	1035.7	1036.5	1037.2	1038.0	1038.8	1039.0	1039.3
132.5°	1076.4	1076.9	1077.4	1077.8	1078.6	1079.5	1080.5	1081.5	1082.5	1082.7	1083.0
135°	1138.5	1138.2	1137.9	1137.7	1138.1	1139.1	1140.1	1141.2	1142.2	1142.7	1143.2
137.5°	1194.4	1194.5	1194.6	1194.7	1195.3	1196.4	1197.6	1198.7	1199.8	1200.4	1201.0
140°	1231.0	1231.5	1232.1	1232.6	1233.1	1233.6	1234.1	1234.6	1235.2	1235.9	1236.7
142.5°	1264.0	1264.9	1265.8	1266.8	1267.4	1267.7	1268.0	1268.3	1268.6	1269.2	1269.8
145°	1313.8	1314.6	1315.3	1316.1	1316.5	1316.5	1316.5	1316.5	1316.5	1316.8	1317.0
147.5°	1354.2	1355.6	1357.1	1358.5	1359.1	1358.9	1358.6	1358.3	1358.1	1358.3	1358.5
150°	1382.6	1383.6	1384.7	1385.7	1386.1	1385.8	1385.6	1385.3	1385.0	1385.0	1385.0
152.5°	1406.6	1407.4	1408.2	1409.0	1409.2	1408.8	1408.3	1407.8	1407.4	1407.8	1408.2
155°	1439.9	1440.2	1440.4	1440.7	1440.4	1439.7	1438.9	1438.1	1437.3	1438.4	1439.4
157.5°	1468.1	1467.9	1467.8	1467.6	1467.1	1466.2	1465.4	1464.5	1463.6	1464.9	1466.3
160°	1484.2	1483.4	1482.7	1481.9	1481.4	1481.1	1480.8	1480.6	1480.3	1481.9	1483.4
162.5°	1498.9	1497.9	1496.9	1495.9	1495.3	1495.0	1494.8	1494.5	1494.3	1495.8	1497.4
165°	1517.4	1516.1	1514.8	1513.5	1512.9	1512.9	1512.9	1512.9	1512.9	1514.9	1517.0
167.5°	1532.2	1530.9	1529.5	1528.2	1527.4	1527.3	1527.1	1527.0	1526.8	1529.1	1531.4
170°	1540.4	1538.8	1537.3	1535.7	1535.1	1535.3	1535.6	1535.8	1536.1	1538.2	1540.2
172.5°	1545.9	1544.4	1542.8	1541.3	1540.6	1540.9	1541.2	1541.4	1541.7	1543.7	1545.8
175°	1552.0	1550.4	1548.9	1547.3	1546.7	1546.9	1547.2	1547.5	1547.7	1550.0	1552.4
177.5°	1554.9	1553.4	1552.0	1550.5	1550.0	1550.4	1550.8	1551.3	1551.7	1553.3	1555.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	990.0	990.6	993.4	995.6	996.2	999.3	999.6
5°	1077.0	1083.6	1096.4	1097.6	1099.5	1109.7	1101.9
7.5°	1178.9	1195.7	1206.9	1216.8	1220.4	1224.8	1223.9
10°	1244.3	1269.2	1281.6	1301.5	1302.3	1307.3	1304.2
12.5°	1310.0	1338.9	1361.6	1365.3	1381.9	1384.5	1388.9
15°	1403.0	1433.8	1465.3	1476.6	1499.5	1505.0	1513.5
17.5°	1490.5	1521.9	1544.0	1573.2	1582.6	1595.2	1586.7
20°	1538.4	1572.7	1600.7	1623.6	1633.4	1640.4	1639.6
22.5°	1567.4	1601.9	1624.6	1642.0	1651.1	1654.1	1653.9
25°	1585.5	1605.4	1612.4	1619.0	1608.9	1605.4	1606.9
27.5°	1535.1	1529.9	1511.7	1487.7	1462.8	1443.0	1432.3
30°	1465.7	1435.3	1407.7	1359.5	1334.5	1319.8	1306.5
32.5°	1367.3	1319.2	1266.1	1221.9	1193.5	1171.6	1168.3
35°	1198.8	1126.4	1061.4	1007.3	979.3	955.6	950.1
37.5°	1019.2	944.0	885.5	837.8	807.7	791.0	775.4
40°	899.9	835.4	777.8	737.3	714.4	702.3	692.6
42.5°	808.1	749.1	691.9	661.0	640.3	632.9	627.2
45°	681.3	626.4	586.7	563.4	551.3	538.9	533.0
47.5°	579.7	535.1	508.9	489.1	476.2	468.8	465.0
50°	522.1	485.6	462.2	447.1	435.4	429.5	426.4
52.5°	471.1	441.1	421.5	409.4	401.5	397.2	395.9
55°	405.8	382.9	370.4	359.9	354.1	350.2	348.6
57.5°	352.7	335.1	325.0	316.3	314.1	310.8	309.7
60°	317.9	304.3	295.7	289.9	287.9	284.0	284.8
62.5°	287.1	275.9	268.6	265.3	262.7	259.4	260.5
65°	242.8	234.6	230.7	227.6	224.5	222.6	224.1
67.5°	203.7	198.1	192.8	191.0	189.5	189.2	187.5
70°	178.2	173.5	168.9	167.7	167.7	166.1	165.7
72.5°	153.6	150.2	147.1	146.2	145.0	145.6	144.0
75°	118.7	115.9	114.8	113.6	113.2	113.2	112.1
77.5°	87.7	85.7	83.8	83.8	82.4	81.9	81.7
80°	66.5	65.8	64.2	64.2	63.4	63.8	63.0
82.5°	50.0	48.9	48.6	48.0	46.9	47.0	46.2
85°	26.8	25.7	25.3	24.1	23.3	24.1	23.3
87.5°	15.4	15.4	15.3	14.8	14.5	14.7	13.8
90°	30.2	31.8	32.8	33.3	33.8	34.3	34.9
92.5°	29.3	30.8	31.7	31.8	31.9	32.0	32.1
95°	30.2	31.8	32.7	32.9	33.2	33.4	33.7
97.5°	31.1	31.3	31.5	31.8	32.0	32.3	32.5
100°	38.0	33.6	31.5	31.8	32.0	32.3	32.5
102.5°	104.3	56.9	33.3	33.3	33.4	33.4	33.5
105°	369.5	371.8	368.3	359.0	349.7	340.5	331.2
107.5°	455.4	456.5	457.6	458.6	459.6	460.5	461.5
110°	514.0	514.5	515.1	515.9	516.7	517.5	518.2



TEST NUMBER: P332571

CATALOG NUMBER: S124DIP-S575D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	570.7	570.6	571.0	572.0	573.0	574.0	574.9
115°	656.9	657.4	657.7	657.7	657.7	657.7	657.7
117.5°	742.4	742.3	742.2	742.1	742.0	741.9	741.8
120°	796.3	796.8	796.8	796.3	795.8	795.3	794.8
122.5°	848.7	849.0	848.9	848.4	847.9	847.3	846.8
125°	922.6	923.4	923.9	924.1	924.4	924.7	924.9
127.5°	994.6	994.5	994.3	994.1	993.9	993.7	993.5
130°	1039.6	1039.8	1039.9	1039.9	1039.9	1039.9	1039.9
132.5°	1083.3	1083.5	1083.5	1083.3	1083.1	1082.9	1082.7
135°	1143.7	1144.3	1144.8	1145.3	1145.8	1146.3	1146.8
137.5°	1201.5	1202.1	1202.3	1202.2	1202.0	1201.8	1201.7
140°	1237.5	1238.3	1238.8	1239.0	1239.3	1239.5	1239.8
142.5°	1270.3	1270.9	1271.2	1271.3	1271.3	1271.4	1271.4
145°	1317.3	1317.5	1317.9	1318.4	1318.9	1319.5	1320.0
147.5°	1358.7	1358.9	1359.1	1359.4	1359.7	1359.9	1360.2
150°	1385.0	1385.0	1385.2	1385.4	1385.7	1386.0	1386.2
152.5°	1408.6	1409.0	1409.1	1409.0	1408.8	1408.7	1408.5
155°	1440.4	1441.5	1441.6	1440.8	1440.0	1439.3	1438.5
157.5°	1467.6	1469.0	1469.0	1467.6	1466.3	1464.9	1463.6
160°	1485.0	1486.5	1486.5	1485.0	1483.4	1481.9	1480.3
162.5°	1498.9	1500.5	1500.4	1498.6	1496.9	1495.1	1493.3
165°	1519.1	1521.1	1521.0	1518.7	1516.3	1514.0	1511.7
167.5°	1533.6	1535.9	1535.7	1533.2	1530.6	1528.0	1525.4
170°	1542.3	1544.4	1544.1	1541.5	1538.9	1536.4	1533.8
172.5°	1547.9	1549.9	1549.6	1546.8	1544.0	1541.2	1538.4
175°	1554.7	1557.0	1556.6	1553.5	1550.4	1547.3	1544.2
177.5°	1556.6	1558.3	1557.9	1555.4	1552.9	1550.4	1548.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5

(END OF REPORT)