

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: P332751

Luminaire Tested: **S124DIW-S575D770U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332751
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: S124DIW-S575D770U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5664.2 lumens
Efficiency: N/A
Efficacy: 150.6 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: General Diffuse

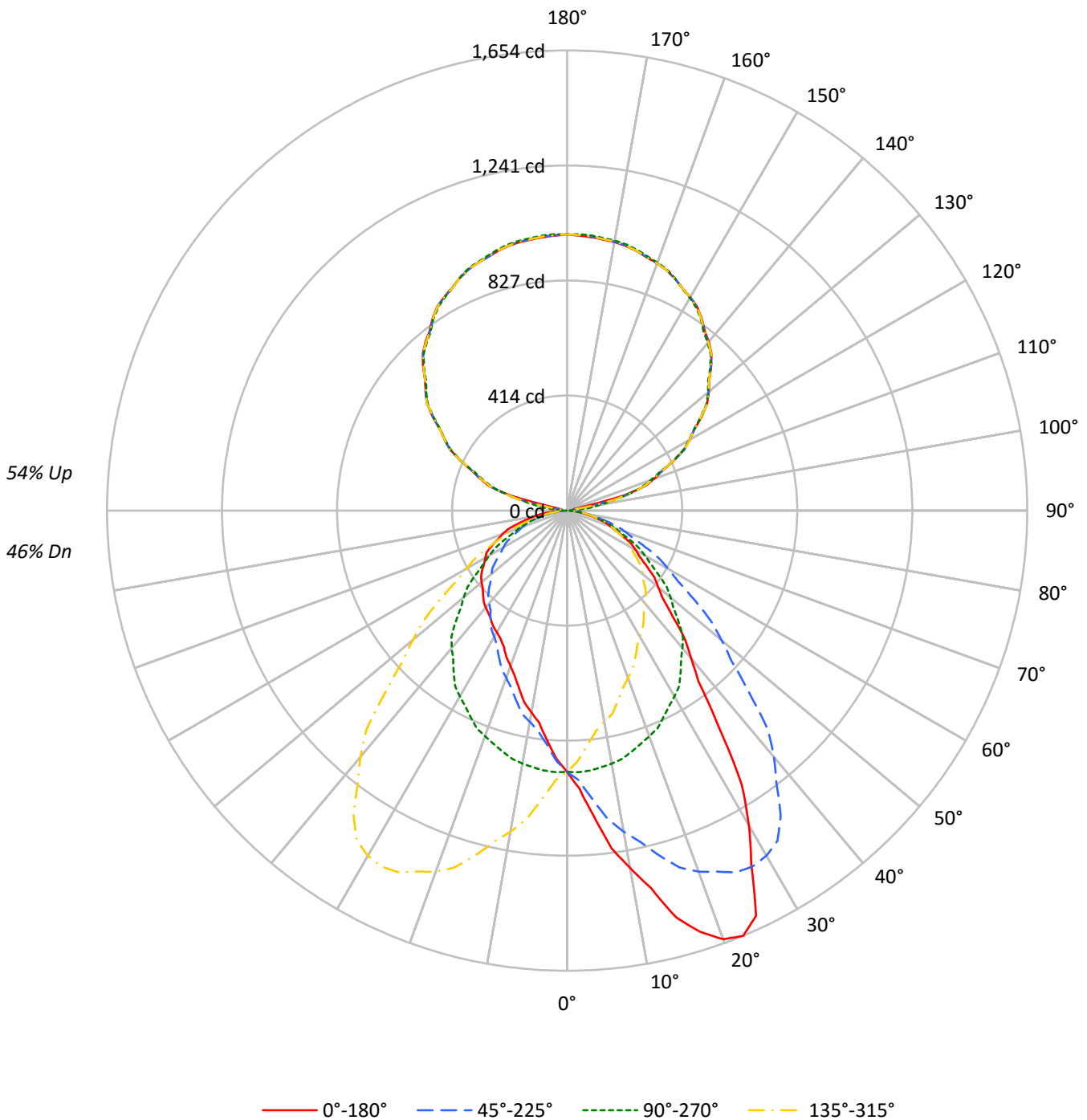
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	46																				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39																				
2	89	81	75	70	81	75	70	65	63	59	56	51	49	47	41	39	38	33																				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28																				
4	74	63	56	50	68	59	52	47	49	44	40	41	37	34	33	30	28	24																				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21																				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19																				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19	17																				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15																				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	19	21	18	16	14																				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12																				

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



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.6
10°-20°	282.0	5.0
20°-30°	447.2	7.9
30°-40°	497.7	8.8
40°-50°	453.1	8.0
50°-60°	370.2	6.5
60°-70°	264.3	4.7
70°-80°	145.5	2.6
80°-90°	42.6	0.8
90°-100°	33.9	0.6
100°-110°	216.4	3.8
110°-120°	414.0	7.3
120°-130°	525.6	9.3
130°-140°	562.3	9.9
140°-150°	525.8	9.3
150°-160°	424.0	7.5
160°-170°	273.5	4.8
170°-180°	94.3	1.7
0°-30°	820.8	14.5
0°-40°	1318.5	23.3
0°-60°	2141.8	37.8
0°-90°	2594.3	45.8
90°-120°	664.4	11.7
90°-150°	2278.1	40.2
90°-180°	3070.0	54.2
0°-180°	5664.2	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°	22	2	22	2	22	10
95°	22	41	22	41	22	17
105°	212	223	212	223	212	185
115°	420	417	420	417	420	416
125°	591	586	591	586	591	526
135°	733	727	733	727	733	564
145°	843	839	843	839	843	527
155°	919	920	919	920	919	424
165°	966	970	966	970	966	273
175°	986	992	986	992	986	94
180°	992	992	992	992	992	



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

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°	11.3	12.2	12.1	12.3	12.9	13.1	13.2	12.7	13.7	13.8	14.8
90°	22.3	21.9	21.6	21.3	20.9	20.3	19.3	18.3	17.3	16.3	15.0
92.5°	20.5	20.4	20.4	20.3	20.2	19.7	18.7	17.7	16.7	15.7	14.4
95°	21.5	21.4	21.2	21.0	20.9	20.3	19.3	18.3	17.3	16.3	16.2
97.5°	20.8	20.6	20.5	20.3	20.1	20.0	19.9	19.8	19.7	19.6	38.0
100°	20.8	20.6	20.5	20.3	20.1	21.4	24.2	27.1	29.9	32.7	55.4
102.5°	21.4	21.3	21.3	21.3	21.2	36.4	66.6	96.9	127.1	157.4	160.3
105°	211.6	217.5	223.4	229.4	235.3	237.5	236.0	234.6	233.1	231.6	230.8
107.5°	294.8	294.2	293.6	293.0	292.3	291.7	290.9	290.2	289.5	288.7	287.6
110°	331.1	330.6	330.1	329.6	329.1	328.7	328.3	328.0	327.7	327.3	326.4



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	367.3	366.7	366.0	365.4	364.8	364.5	364.6	364.6	364.7	364.8	364.3
115°	420.1	420.1	420.1	420.1	420.1	420.0	419.6	419.3	419.0	418.6	418.8
117.5°	473.9	473.9	474.0	474.1	474.1	474.2	474.3	474.3	474.4	474.5	474.1
120°	507.7	508.1	508.4	508.7	509.0	509.0	508.7	508.4	508.1	507.7	507.9
122.5°	541.0	541.3	541.6	542.0	542.3	542.4	542.2	542.0	541.8	541.6	541.3
125°	590.9	590.7	590.5	590.4	590.2	589.9	589.4	588.9	588.4	587.9	588.2
127.5°	634.7	634.8	634.9	635.1	635.2	635.3	635.4	635.5	635.6	635.7	634.9
130°	664.3	664.3	664.3	664.3	664.3	664.3	664.1	663.9	663.8	663.6	663.1
132.5°	691.7	691.8	691.9	692.1	692.2	692.2	692.0	691.8	691.7	691.5	690.9
135°	732.6	732.3	732.0	731.6	731.3	731.0	730.7	730.3	730.0	729.7	729.0
137.5°	767.7	767.8	767.9	768.0	768.1	767.9	767.6	767.2	766.8	766.5	765.8
140°	792.0	791.9	791.7	791.5	791.4	791.0	790.5	790.0	789.5	789.1	788.7
142.5°	812.2	812.2	812.1	812.1	812.1	811.9	811.5	811.2	810.8	810.4	810.2
145°	843.2	842.9	842.6	842.2	841.9	841.7	841.5	841.3	841.2	841.0	841.0
147.5°	868.9	868.8	868.6	868.4	868.3	868.1	868.0	867.8	867.7	867.6	867.7
150°	885.5	885.4	885.2	885.1	884.9	884.8	884.8	884.8	884.8	884.8	885.0
152.5°	899.8	899.9	900.0	900.1	900.2	900.1	899.8	899.6	899.3	899.1	899.4
155°	919.0	919.4	919.9	920.4	920.9	920.8	920.2	919.5	918.9	918.2	918.7
157.5°	935.0	935.8	936.7	937.6	938.4	938.4	937.6	936.7	935.8	935.0	935.5
160°	945.7	946.7	947.7	948.6	949.6	949.6	948.6	947.7	946.7	945.7	945.8
162.5°	954.0	955.1	956.2	957.4	958.5	958.5	957.5	956.6	955.6	954.6	954.7
165°	965.7	967.2	968.7	970.2	971.7	971.7	970.4	969.1	967.8	966.5	966.5
167.5°	974.5	976.1	977.8	979.4	981.1	981.2	979.7	978.3	976.8	975.4	975.5
170°	979.8	981.5	983.1	984.8	986.4	986.6	985.3	983.9	982.6	981.3	981.1
172.5°	982.8	984.6	986.4	988.1	989.9	990.1	988.8	987.5	986.2	984.9	984.7
175°	986.5	988.5	990.5	992.4	994.4	994.7	993.2	991.7	990.2	988.7	988.6
177.5°	988.9	990.5	992.0	993.6	995.2	995.5	994.4	993.4	992.3	991.2	991.0
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

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°	14.6	14.6	14.0	12.5	11.2	9.9	9.2	8.5	9.2	9.9	10.6
90°	13.7	12.4	11.1	9.5	7.7	5.9	4.0	2.2	4.0	5.9	7.7
92.5°	13.1	11.8	10.5	9.7	9.6	9.6	9.5	9.4	9.5	9.6	9.6
95°	16.0	15.8	15.7	18.4	24.0	29.6	35.2	40.8	35.2	29.6	24.0
97.5°	56.4	74.8	93.2	100.7	97.2	93.7	90.2	86.7	90.2	93.7	97.2
100°	78.2	101.0	123.7	133.6	130.6	127.7	124.7	121.7	124.7	127.7	130.6
102.5°	163.3	166.3	169.2	169.6	167.5	165.3	163.1	160.9	163.1	165.3	167.5
105°	229.9	229.1	228.3	227.4	226.4	225.4	224.4	223.4	224.4	225.4	226.4
107.5°	286.5	285.4	284.3	283.5	283.0	282.5	282.0	281.5	282.0	282.5	283.0
110°	325.4	324.4	323.4	322.6	322.2	321.7	321.2	320.7	321.2	321.7	322.2



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	363.8	363.4	362.9	362.2	361.3	360.5	359.6	358.7	359.6	360.5	361.3
115°	419.0	419.1	419.3	419.1	418.6	418.2	417.7	417.2	417.7	418.2	418.6
117.5°	473.7	473.4	473.0	472.5	471.8	471.2	470.5	469.9	470.5	471.2	471.8
120°	508.1	508.2	508.4	508.1	507.5	506.8	506.2	505.5	506.2	506.8	507.5
122.5°	541.1	540.9	540.6	540.3	539.9	539.5	539.1	538.8	539.1	539.5	539.9
125°	588.6	588.9	589.2	589.0	588.4	587.7	587.1	586.4	587.1	587.7	588.4
127.5°	634.2	633.4	632.7	632.2	632.0	631.9	631.7	631.5	631.7	631.9	632.0
130°	662.6	662.1	661.6	661.3	661.1	661.0	660.8	660.6	660.8	661.0	661.1
132.5°	690.3	689.6	689.0	688.5	688.2	688.0	687.7	687.4	687.7	688.0	688.2
135°	728.3	727.7	727.0	726.8	726.9	727.1	727.3	727.4	727.3	727.1	726.9
137.5°	765.0	764.3	763.6	763.2	763.1	763.1	763.0	762.9	763.0	763.1	763.1
140°	788.4	788.1	787.7	787.4	787.1	786.7	786.4	786.1	786.4	786.7	787.1
142.5°	810.0	809.8	809.6	809.2	808.6	808.1	807.5	806.9	807.5	808.1	808.6
145°	841.0	841.0	841.0	840.8	840.3	839.8	839.3	838.8	839.3	839.8	840.3
147.5°	867.9	868.1	868.2	867.9	866.9	866.0	865.1	864.2	865.1	866.0	866.9
150°	885.1	885.3	885.5	885.2	884.6	883.9	883.2	882.6	883.2	883.9	884.6
152.5°	899.7	899.9	900.2	900.1	899.6	899.1	898.5	898.0	898.5	899.1	899.6
155°	919.2	919.7	920.2	920.4	920.2	920.0	919.9	919.7	919.9	920.0	920.2
157.5°	936.1	936.7	937.2	937.6	937.7	937.8	937.9	938.0	937.9	937.8	937.7
160°	946.0	946.2	946.3	946.7	947.2	947.7	948.1	948.6	948.1	947.7	947.2
162.5°	954.9	955.1	955.2	955.6	956.3	956.9	957.5	958.1	957.5	956.9	956.3
165°	966.5	966.5	966.5	966.9	967.7	968.5	969.3	970.2	969.3	968.5	967.7
167.5°	975.6	975.7	975.8	976.2	977.1	978.0	978.8	979.7	978.8	978.0	977.1
170°	981.0	980.8	980.6	981.1	982.0	983.0	984.0	985.0	984.0	983.0	982.0
172.5°	984.5	984.4	984.2	984.6	985.6	986.6	987.6	988.6	987.6	986.6	985.6
175°	988.4	988.2	988.1	988.5	989.5	990.5	991.4	992.4	991.4	990.5	989.5
177.5°	990.7	990.5	990.2	990.5	991.4	992.4	993.3	994.2	993.3	992.4	991.4
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-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°	11.9	12.2	13.7	14.6	15.8	17.6	18.4	22.0	23.5	25.2	28.2
90°	9.5	11.1	12.4	13.7	15.0	16.3	17.3	18.3	19.3	20.3	20.9
92.5°	9.7	10.5	11.8	13.1	14.4	15.7	16.7	17.7	18.7	19.7	20.2
95°	18.4	15.7	15.8	16.0	16.2	16.3	17.3	18.3	19.3	20.3	20.9
97.5°	100.7	93.2	74.8	56.4	38.0	19.6	19.7	19.8	19.9	20.0	20.1
100°	133.6	123.7	101.0	78.2	55.4	32.7	29.9	27.1	24.2	21.4	20.1
102.5°	169.6	169.2	166.3	163.3	160.3	157.4	127.1	96.9	66.6	36.4	21.2
105°	227.4	228.3	229.1	229.9	230.8	231.6	233.1	234.6	236.0	237.5	235.3
107.5°	283.5	284.3	285.4	286.5	287.6	288.7	289.5	290.2	290.9	291.7	292.3
110°	322.6	323.4	324.4	325.4	326.4	327.3	327.7	328.0	328.3	328.7	329.1



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	362.2	362.9	363.4	363.8	364.3	364.8	364.7	364.6	364.6	364.5	364.8
115°	419.1	419.3	419.1	419.0	418.8	418.6	419.0	419.3	419.6	420.0	420.1
117.5°	472.5	473.0	473.4	473.7	474.1	474.5	474.4	474.3	474.3	474.2	474.1
120°	508.1	508.4	508.2	508.1	507.9	507.7	508.1	508.4	508.7	509.0	509.0
122.5°	540.3	540.6	540.9	541.1	541.3	541.6	541.8	542.0	542.2	542.4	542.3
125°	589.0	589.2	588.9	588.6	588.2	587.9	588.4	588.9	589.4	589.9	590.2
127.5°	632.2	632.7	633.4	634.2	634.9	635.7	635.6	635.5	635.4	635.3	635.2
130°	661.3	661.6	662.1	662.6	663.1	663.6	663.8	663.9	664.1	664.3	664.3
132.5°	688.5	689.0	689.6	690.3	690.9	691.5	691.7	691.8	692.0	692.2	692.2
135°	726.8	727.0	727.7	728.3	729.0	729.7	730.0	730.3	730.7	731.0	731.3
137.5°	763.2	763.6	764.3	765.0	765.8	766.5	766.8	767.2	767.6	767.9	768.1
140°	787.4	787.7	788.1	788.4	788.7	789.1	789.5	790.0	790.5	791.0	791.4
142.5°	809.2	809.6	809.8	810.0	810.2	810.4	810.8	811.2	811.5	811.9	812.1
145°	840.8	841.0	841.0	841.0	841.0	841.0	841.2	841.3	841.5	841.7	841.9
147.5°	867.9	868.2	868.1	867.9	867.7	867.6	867.7	867.8	868.0	868.1	868.3
150°	885.2	885.5	885.3	885.1	885.0	884.8	884.8	884.8	884.8	884.8	884.9
152.5°	900.1	900.2	899.9	899.7	899.4	899.1	899.3	899.6	899.8	900.1	900.2
155°	920.4	920.2	919.7	919.2	918.7	918.2	918.9	919.5	920.2	920.8	920.9
157.5°	937.6	937.2	936.7	936.1	935.5	935.0	935.8	936.7	937.6	938.4	938.4
160°	946.7	946.3	946.2	946.0	945.8	945.7	946.7	947.7	948.6	949.6	949.6
162.5°	955.6	955.2	955.1	954.9	954.7	954.6	955.6	956.6	957.5	958.5	958.5
165°	966.9	966.5	966.5	966.5	966.5	966.5	967.8	969.1	970.4	971.7	971.7
167.5°	976.2	975.8	975.7	975.6	975.5	975.4	976.8	978.3	979.7	981.2	981.1
170°	981.1	980.6	980.8	981.0	981.1	981.3	982.6	983.9	985.3	986.6	986.4
172.5°	984.6	984.2	984.4	984.5	984.7	984.9	986.2	987.5	988.8	990.1	989.9
175°	988.5	988.1	988.2	988.4	988.6	988.7	990.2	991.7	993.2	994.7	994.4
177.5°	990.5	990.2	990.5	990.7	991.0	991.2	992.3	993.4	994.4	995.5	995.2
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-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°	29.2	29.5	30.5	31.2	30.5	29.5	29.2	28.2	25.2	23.5	22.0
90°	21.3	21.6	21.9	22.3	21.9	21.6	21.3	20.9	20.3	19.3	18.3
92.5°	20.3	20.4	20.4	20.5	20.4	20.4	20.3	20.2	19.7	18.7	17.7
95°	21.0	21.2	21.4	21.5	21.4	21.2	21.0	20.9	20.3	19.3	18.3
97.5°	20.3	20.5	20.6	20.8	20.6	20.5	20.3	20.1	20.0	19.9	19.8
100°	20.3	20.5	20.6	20.8	20.6	20.5	20.3	20.1	21.4	24.2	27.1
102.5°	21.3	21.3	21.3	21.4	21.3	21.3	21.3	21.2	36.4	66.6	96.9
105°	229.4	223.4	217.5	211.6	217.5	223.4	229.4	235.3	237.5	236.0	234.6
107.5°	293.0	293.6	294.2	294.8	294.2	293.6	293.0	292.3	291.7	290.9	290.2
110°	329.6	330.1	330.6	331.1	330.6	330.1	329.6	329.1	328.7	328.3	328.0



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	365.4	366.0	366.7	367.3	366.7	366.0	365.4	364.8	364.5	364.6	364.6
115°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.0	419.6	419.3
117.5°	474.1	474.0	473.9	473.9	473.9	474.0	474.1	474.1	474.2	474.3	474.3
120°	508.7	508.4	508.1	507.7	508.1	508.4	508.7	509.0	509.0	508.7	508.4
122.5°	542.0	541.6	541.3	541.0	541.3	541.6	542.0	542.3	542.4	542.2	542.0
125°	590.4	590.5	590.7	590.9	590.7	590.5	590.4	590.2	589.9	589.4	588.9
127.5°	635.1	634.9	634.8	634.7	634.8	634.9	635.1	635.2	635.3	635.4	635.5
130°	664.3	664.3	664.3	664.3	664.3	664.3	664.3	664.3	664.3	664.1	663.9
132.5°	692.1	691.9	691.8	691.7	691.8	691.9	692.1	692.2	692.2	692.0	691.8
135°	731.6	732.0	732.3	732.6	732.3	732.0	731.6	731.3	731.0	730.7	730.3
137.5°	768.0	767.9	767.8	767.7	767.8	767.9	768.0	768.1	767.9	767.6	767.2
140°	791.5	791.7	791.9	792.0	791.9	791.7	791.5	791.4	791.0	790.5	790.0
142.5°	812.1	812.1	812.2	812.2	812.2	812.1	812.1	812.1	811.9	811.5	811.2
145°	842.2	842.6	842.9	843.2	842.9	842.6	842.2	841.9	841.7	841.5	841.3
147.5°	868.4	868.6	868.8	868.9	868.8	868.6	868.4	868.3	868.1	868.0	867.8
150°	885.1	885.2	885.4	885.5	885.4	885.2	885.1	884.9	884.8	884.8	884.8
152.5°	900.1	900.0	899.9	899.8	899.9	900.0	900.1	900.2	900.1	899.8	899.6
155°	920.4	919.9	919.4	919.0	919.4	919.9	920.4	920.9	920.8	920.2	919.5
157.5°	937.6	936.7	935.8	935.0	935.8	936.7	937.6	938.4	938.4	937.6	936.7
160°	948.6	947.7	946.7	945.7	946.7	947.7	948.6	949.6	949.6	948.6	947.7
162.5°	957.4	956.2	955.1	954.0	955.1	956.2	957.4	958.5	958.5	957.5	956.6
165°	970.2	968.7	967.2	965.7	967.2	968.7	970.2	971.7	971.7	970.4	969.1
167.5°	979.4	977.8	976.1	974.5	976.1	977.8	979.4	981.1	981.2	979.7	978.3
170°	984.8	983.1	981.5	979.8	981.5	983.1	984.8	986.4	986.6	985.3	983.9
172.5°	988.1	986.4	984.6	982.8	984.6	986.4	988.1	989.9	990.1	988.8	987.5
175°	992.4	990.5	988.5	986.5	988.5	990.5	992.4	994.4	994.7	993.2	991.7
177.5°	993.6	992.0	990.5	988.9	990.5	992.0	993.6	995.2	995.5	994.4	993.4
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-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°	18.4	17.6	15.8	14.6	13.7	12.2	11.9	10.6	9.9	9.2	8.5
90°	17.3	16.3	15.0	13.7	12.4	11.1	9.5	7.7	5.9	4.0	2.2
92.5°	16.7	15.7	14.4	13.1	11.8	10.5	9.7	9.6	9.6	9.5	9.4
95°	17.3	16.3	16.2	16.0	15.8	15.7	18.4	24.0	29.6	35.2	40.8
97.5°	19.7	19.6	38.0	56.4	74.8	93.2	100.7	97.2	93.7	90.2	86.7
100°	29.9	32.7	55.4	78.2	101.0	123.7	133.6	130.6	127.7	124.7	121.7
102.5°	127.1	157.4	160.3	163.3	166.3	169.2	169.6	167.5	165.3	163.1	160.9
105°	233.1	231.6	230.8	229.9	229.1	228.3	227.4	226.4	225.4	224.4	223.4
107.5°	289.5	288.7	287.6	286.5	285.4	284.3	283.5	283.0	282.5	282.0	281.5
110°	327.7	327.3	326.4	325.4	324.4	323.4	322.6	322.2	321.7	321.2	320.7



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	364.7	364.8	364.3	363.8	363.4	362.9	362.2	361.3	360.5	359.6	358.7
115°	419.0	418.6	418.8	419.0	419.1	419.3	419.1	418.6	418.2	417.7	417.2
117.5°	474.4	474.5	474.1	473.7	473.4	473.0	472.5	471.8	471.2	470.5	469.9
120°	508.1	507.7	507.9	508.1	508.2	508.4	508.1	507.5	506.8	506.2	505.5
122.5°	541.8	541.6	541.3	541.1	540.9	540.6	540.3	539.9	539.5	539.1	538.8
125°	588.4	587.9	588.2	588.6	588.9	589.2	589.0	588.4	587.7	587.1	586.4
127.5°	635.6	635.7	634.9	634.2	633.4	632.7	632.2	632.0	631.9	631.7	631.5
130°	663.8	663.6	663.1	662.6	662.1	661.6	661.3	661.1	661.0	660.8	660.6
132.5°	691.7	691.5	690.9	690.3	689.6	689.0	688.5	688.2	688.0	687.7	687.4
135°	730.0	729.7	729.0	728.3	727.7	727.0	726.8	726.9	727.1	727.3	727.4
137.5°	766.8	766.5	765.8	765.0	764.3	763.6	763.2	763.1	763.1	763.0	762.9
140°	789.5	789.1	788.7	788.4	788.1	787.7	787.4	787.1	786.7	786.4	786.1
142.5°	810.8	810.4	810.2	810.0	809.8	809.6	809.2	808.6	808.1	807.5	806.9
145°	841.2	841.0	841.0	841.0	841.0	841.0	840.8	840.3	839.8	839.3	838.8
147.5°	867.7	867.6	867.7	867.9	868.1	868.2	867.9	866.9	866.0	865.1	864.2
150°	884.8	884.8	885.0	885.1	885.3	885.5	885.2	884.6	883.9	883.2	882.6
152.5°	899.3	899.1	899.4	899.7	899.9	900.2	900.1	899.6	899.1	898.5	898.0
155°	918.9	918.2	918.7	919.2	919.7	920.2	920.4	920.2	920.0	919.9	919.7
157.5°	935.8	935.0	935.5	936.1	936.7	937.2	937.6	937.7	937.8	937.9	938.0
160°	946.7	945.7	945.8	946.0	946.2	946.3	946.7	947.2	947.7	948.1	948.6
162.5°	955.6	954.6	954.7	954.9	955.1	955.2	955.6	956.3	956.9	957.5	958.1
165°	967.8	966.5	966.5	966.5	966.5	966.5	966.9	967.7	968.5	969.3	970.2
167.5°	976.8	975.4	975.5	975.6	975.7	975.8	976.2	977.1	978.0	978.8	979.7
170°	982.6	981.3	981.1	981.0	980.8	980.6	981.1	982.0	983.0	984.0	985.0
172.5°	986.2	984.9	984.7	984.5	984.4	984.2	984.6	985.6	986.6	987.6	988.6
175°	990.2	988.7	988.6	988.4	988.2	988.1	988.5	989.5	990.5	991.4	992.4
177.5°	992.3	991.2	991.0	990.7	990.5	990.2	990.5	991.4	992.4	993.3	994.2
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-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°	9.2	9.9	11.2	12.5	14.0	14.6	14.6	14.8	13.8	13.7	12.7
90°	4.0	5.9	7.7	9.5	11.1	12.4	13.7	15.0	16.3	17.3	18.3
92.5°	9.5	9.6	9.6	9.7	10.5	11.8	13.1	14.4	15.7	16.7	17.7
95°	35.2	29.6	24.0	18.4	15.7	15.8	16.0	16.2	16.3	17.3	18.3
97.5°	90.2	93.7	97.2	100.7	93.2	74.8	56.4	38.0	19.6	19.7	19.8
100°	124.7	127.7	130.6	133.6	123.7	101.0	78.2	55.4	32.7	29.9	27.1
102.5°	163.1	165.3	167.5	169.6	169.2	166.3	163.3	160.3	157.4	127.1	96.9
105°	224.4	225.4	226.4	227.4	228.3	229.1	229.9	230.8	231.6	233.1	234.6
107.5°	282.0	282.5	283.0	283.5	284.3	285.4	286.5	287.6	288.7	289.5	290.2
110°	321.2	321.7	322.2	322.6	323.4	324.4	325.4	326.4	327.3	327.7	328.0



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	359.6	360.5	361.3	362.2	362.9	363.4	363.8	364.3	364.8	364.7	364.6
115°	417.7	418.2	418.6	419.1	419.3	419.1	419.0	418.8	418.6	419.0	419.3
117.5°	470.5	471.2	471.8	472.5	473.0	473.4	473.7	474.1	474.5	474.4	474.3
120°	506.2	506.8	507.5	508.1	508.4	508.2	508.1	507.9	507.7	508.1	508.4
122.5°	539.1	539.5	539.9	540.3	540.6	540.9	541.1	541.3	541.6	541.8	542.0
125°	587.1	587.7	588.4	589.0	589.2	588.9	588.6	588.2	587.9	588.4	588.9
127.5°	631.7	631.9	632.0	632.2	632.7	633.4	634.2	634.9	635.7	635.6	635.5
130°	660.8	661.0	661.1	661.3	661.6	662.1	662.6	663.1	663.6	663.8	663.9
132.5°	687.7	688.0	688.2	688.5	689.0	689.6	690.3	690.9	691.5	691.7	691.8
135°	727.3	727.1	726.9	726.8	727.0	727.7	728.3	729.0	729.7	730.0	730.3
137.5°	763.0	763.1	763.1	763.2	763.6	764.3	765.0	765.8	766.5	766.8	767.2
140°	786.4	786.7	787.1	787.4	787.7	788.1	788.4	788.7	789.1	789.5	790.0
142.5°	807.5	808.1	808.6	809.2	809.6	809.8	810.0	810.2	810.4	810.8	811.2
145°	839.3	839.8	840.3	840.8	841.0	841.0	841.0	841.0	841.0	841.2	841.3
147.5°	865.1	866.0	866.9	867.9	868.2	868.1	867.9	867.7	867.6	867.7	867.8
150°	883.2	883.9	884.6	885.2	885.5	885.3	885.1	885.0	884.8	884.8	884.8
152.5°	898.5	899.1	899.6	900.1	900.2	899.9	899.7	899.4	899.1	899.3	899.6
155°	919.9	920.0	920.2	920.4	920.2	919.7	919.2	918.7	918.2	918.9	919.5
157.5°	937.9	937.8	937.7	937.6	937.2	936.7	936.1	935.5	935.0	935.8	936.7
160°	948.1	947.7	947.2	946.7	946.3	946.2	946.0	945.8	945.7	946.7	947.7
162.5°	957.5	956.9	956.3	955.6	955.2	955.1	954.9	954.7	954.6	955.6	956.6
165°	969.3	968.5	967.7	966.9	966.5	966.5	966.5	966.5	966.5	967.8	969.1
167.5°	978.8	978.0	977.1	976.2	975.8	975.7	975.6	975.5	975.4	976.8	978.3
170°	984.0	983.0	982.0	981.1	980.6	980.8	981.0	981.1	981.3	982.6	983.9
172.5°	987.6	986.6	985.6	984.6	984.2	984.4	984.5	984.7	984.9	986.2	987.5
175°	991.4	990.5	989.5	988.5	988.1	988.2	988.4	988.6	988.7	990.2	991.7
177.5°	993.3	992.4	991.4	990.5	990.2	990.5	990.7	991.0	991.2	992.3	993.4
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-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°	13.2	13.1	12.9	12.3	12.1	12.2	11.3
90°	19.3	20.3	20.9	21.3	21.6	21.9	22.3
92.5°	18.7	19.7	20.2	20.3	20.4	20.4	20.5
95°	19.3	20.3	20.9	21.0	21.2	21.4	21.5
97.5°	19.9	20.0	20.1	20.3	20.5	20.6	20.8
100°	24.2	21.4	20.1	20.3	20.5	20.6	20.8
102.5°	66.6	36.4	21.2	21.3	21.3	21.3	21.4
105°	236.0	237.5	235.3	229.4	223.4	217.5	211.6
107.5°	290.9	291.7	292.3	293.0	293.6	294.2	294.8
110°	328.3	328.7	329.1	329.6	330.1	330.6	331.1



TEST NUMBER: P332751

CATALOG NUMBER: S124DIW-S575D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	364.6	364.5	364.8	365.4	366.0	366.7	367.3
115°	419.6	420.0	420.1	420.1	420.1	420.1	420.1
117.5°	474.3	474.2	474.1	474.1	474.0	473.9	473.9
120°	508.7	509.0	509.0	508.7	508.4	508.1	507.7
122.5°	542.2	542.4	542.3	542.0	541.6	541.3	541.0
125°	589.4	589.9	590.2	590.4	590.5	590.7	590.9
127.5°	635.4	635.3	635.2	635.1	634.9	634.8	634.7
130°	664.1	664.3	664.3	664.3	664.3	664.3	664.3
132.5°	692.0	692.2	692.2	692.1	691.9	691.8	691.7
135°	730.7	731.0	731.3	731.6	732.0	732.3	732.6
137.5°	767.6	767.9	768.1	768.0	767.9	767.8	767.7
140°	790.5	791.0	791.4	791.5	791.7	791.9	792.0
142.5°	811.5	811.9	812.1	812.1	812.1	812.2	812.2
145°	841.5	841.7	841.9	842.2	842.6	842.9	843.2
147.5°	868.0	868.1	868.3	868.4	868.6	868.8	868.9
150°	884.8	884.8	884.9	885.1	885.2	885.4	885.5
152.5°	899.8	900.1	900.2	900.1	900.0	899.9	899.8
155°	920.2	920.8	920.9	920.4	919.9	919.4	919.0
157.5°	937.6	938.4	938.4	937.6	936.7	935.8	935.0
160°	948.6	949.6	949.6	948.6	947.7	946.7	945.7
162.5°	957.5	958.5	958.5	957.4	956.2	955.1	954.0
165°	970.4	971.7	971.7	970.2	968.7	967.2	965.7
167.5°	979.7	981.2	981.1	979.4	977.8	976.1	974.5
170°	985.3	986.6	986.4	984.8	983.1	981.5	979.8
172.5°	988.8	990.1	989.9	988.1	986.4	984.6	982.8
175°	993.2	994.7	994.4	992.4	990.5	988.5	986.5
177.5°	994.4	995.5	995.2	993.6	992.0	990.5	988.9
180°	992.4	992.4	992.4	992.4	992.4	992.4	992.4

(END OF REPORT)