

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: P333406

Luminaire Tested: **S125DIW-S850D770U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333406
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S850D770U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 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: 6523.7 lumens
Efficiency: N/A
Efficacy: 145.0 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

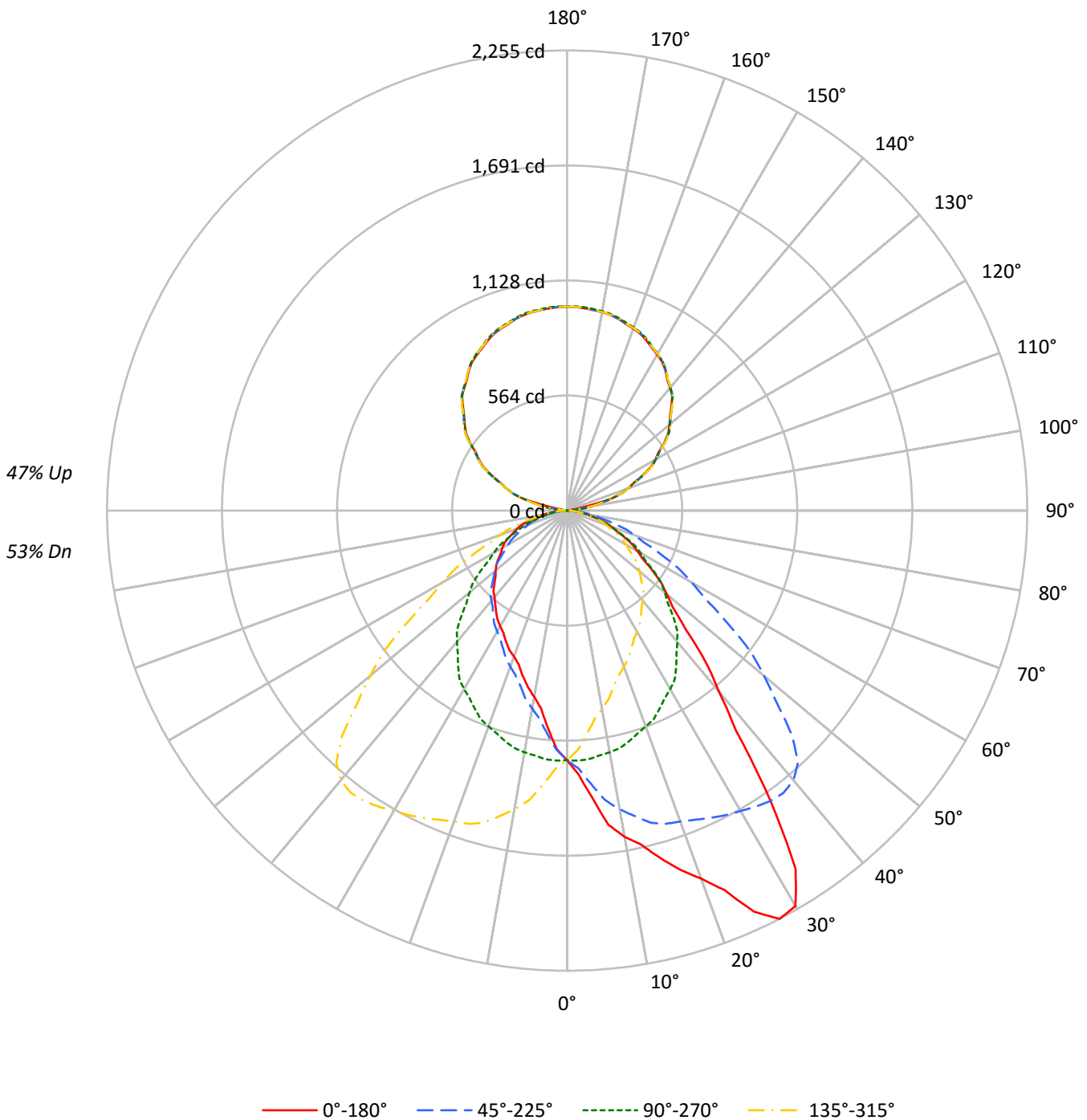
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	73	70	63	61	60	52	51	50	45
2	90	83	77	72	83	77	72	67	66	62	59	56	53	50	46	44	43	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	33
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	46	41	37	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	28	23	44	33	27	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7901	7901	7901	7901
5°	9149	7927	6941	7927
10°	10645	7887	6082	7887
15°	11784	7829	5610	7829
20°	13190	7737	5232	7737
25°	15452	7633	5047	7633
30°	16690	7532	4887	7532
35°	13722	7340	4782	7340
40°	9754	7074	4666	7074
45°	7493	6716	4601	6716
50°	6396	6271	4591	6271
55°	5695	5835	4631	5835
60°	5137	5359	4748	5359
65°	4745	4879	4872	4879
70°	4315	4383	4942	4383
75°	3810	3860	4898	3860
80°	3206	3146	4482	3146
85°	2542	2267	3616	2267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	1.8
10°-20°	350.7	5.4
20°-30°	569.4	8.7
30°-40°	694.5	10.6
40°-50°	631.8	9.7
50°-60°	503.3	7.7
60°-70°	350.5	5.4
70°-80°	186.9	2.9
80°-90°	49.3	0.8
90°-100°	36.3	0.6
100°-110°	223.9	3.4
110°-120°	406.0	6.2
120°-130°	521.1	8.0
130°-140°	560.5	8.6
140°-150°	526.1	8.1
150°-160°	425.5	6.5
160°-170°	275.2	4.2
170°-180°	94.9	1.5
0°-30°	1037.8	15.9
0°-40°	1732.4	26.6
0°-60°	2867.5	44.0
0°-90°	3454.2	52.9
90°-120°	666.2	10.2
90°-150°	2273.8	34.9
90°-180°	3069.0	47.0
0°-180°	6523.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1223	1223	1223	1223	1223	
5°	1411	1223	1071	1223	1411	142
15°	1762	1171	839	1171	1762	504
25°	2168	1071	708	1071	2168	990
35°	1740	931	606	931	1740	1065
45°	820	735	504	735	820	657
55°	506	518	411	518	506	455
65°	310	319	319	319	310	308
75°	153	155	196	155	153	164
85°	34	31	49	31	34	40
90°	18	1	18	1	18	9
95°	16	42	16	42	16	13
105°	220	218	220	218	220	199
115°	406	409	406	409	406	403
125°	582	582	582	582	582	517
135°	722	725	722	725	722	558
145°	839	841	839	841	839	524
155°	920	926	920	926	920	424
165°	972	977	972	977	972	274
175°	995	1000	995	1000	995	95
180°	1000	1000	1000	1000	1000	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1294.0	1292.3	1290.7	1287.3	1289.8	1282.8	1279.4	1273.6	1266.6	1264.1	1261.2
5°	1411.3	1413.9	1416.5	1405.6	1406.7	1399.4	1382.8	1369.3	1358.4	1344.4	1334.5
7.5°	1552.6	1546.4	1545.9	1538.9	1526.7	1517.0	1499.5	1477.3	1455.8	1431.3	1411.0
10°	1623.2	1623.7	1619.0	1610.7	1597.8	1588.4	1565.6	1543.7	1517.3	1486.1	1463.8
12.5°	1676.4	1678.5	1672.6	1661.4	1655.1	1634.1	1616.2	1590.3	1558.8	1533.9	1499.9
15°	1762.4	1756.6	1752.5	1738.5	1727.6	1705.8	1677.2	1650.2	1615.9	1584.2	1552.6
17.5°	1845.2	1849.8	1842.0	1829.2	1795.4	1769.9	1731.6	1694.6	1652.0	1609.5	1571.7
20°	1919.2	1923.3	1911.4	1889.1	1848.6	1823.1	1772.7	1725.0	1675.6	1621.1	1579.6
22.5°	2011.4	2008.1	1992.0	1958.0	1922.9	1875.9	1821.3	1763.2	1701.4	1639.8	1584.6
25°	2168.4	2146.6	2136.7	2094.7	2048.5	1979.4	1904.6	1819.5	1742.6	1661.1	1590.5
27.5°	2255.4	2248.6	2237.6	2208.3	2159.7	2085.9	1997.7	1893.9	1785.5	1682.6	1590.2
30°	2238.0	2239.0	2240.1	2230.7	2199.6	2144.0	2056.3	1944.6	1815.8	1700.0	1593.1
32.5°	2083.5	2102.4	2120.4	2141.8	2150.5	2139.9	2084.9	1984.1	1851.6	1720.0	1591.4
35°	1740.5	1746.3	1804.9	1863.1	1942.0	2003.3	2044.3	1999.7	1888.0	1736.9	1589.4
37.5°	1357.1	1385.2	1425.8	1491.5	1605.4	1707.4	1838.6	1898.9	1862.9	1742.4	1585.8
40°	1156.9	1182.9	1209.3	1276.3	1372.4	1496.0	1645.0	1772.2	1801.8	1725.0	1573.3
42.5°	1002.4	1022.9	1052.3	1102.7	1183.0	1292.4	1434.8	1601.1	1703.4	1674.3	1547.2
45°	820.4	833.4	856.3	896.2	954.4	1040.1	1165.7	1347.5	1505.8	1558.3	1485.1
47.5°	702.2	702.1	719.9	747.5	789.5	862.3	955.2	1097.6	1266.8	1391.9	1386.1
50°	636.6	634.0	648.0	671.9	705.1	753.4	842.2	955.9	1118.5	1260.2	1299.7
52.5°	580.1	580.4	589.0	606.7	634.5	675.8	742.1	844.6	983.5	1129.0	1203.3
55°	505.8	503.7	513.5	525.5	545.7	572.7	620.5	698.9	811.6	954.9	1051.5
57.5°	437.6	443.3	447.3	455.6	472.4	490.5	530.8	588.3	677.7	800.7	902.8
60°	397.7	403.5	406.6	414.9	428.4	444.0	475.1	521.9	597.1	703.1	804.3
62.5°	362.0	366.5	367.5	375.0	386.0	401.2	425.7	464.9	524.4	617.1	716.3
65°	310.5	310.5	312.6	320.4	325.6	339.1	357.8	386.3	434.1	506.3	590.9
67.5°	260.9	263.4	262.8	266.3	271.1	281.5	294.9	318.5	353.9	406.6	474.3
70°	228.5	230.5	230.0	232.6	237.8	244.6	255.5	277.8	303.2	348.4	406.6
72.5°	199.4	200.2	198.9	202.3	205.4	211.3	223.5	235.4	259.2	297.3	345.1
75°	152.7	153.7	154.7	156.8	159.9	163.0	169.3	181.2	196.8	225.4	256.0
77.5°	114.4	112.5	115.0	114.7	116.4	118.8	124.3	130.6	143.4	161.5	185.2
80°	86.2	86.7	86.7	87.2	89.8	91.4	96.1	100.7	110.6	124.1	140.7
82.5°	62.9	64.3	63.5	64.4	66.6	67.7	70.3	74.1	79.9	90.5	102.5
85°	34.3	31.7	32.7	33.8	33.8	34.3	36.3	37.9	41.0	45.2	49.8
87.5°	13.5	14.3	14.6	14.5	14.8	14.7	16.2	16.0	17.1	18.2	19.6
90°	17.8	17.3	16.8	16.3	15.8	15.1	14.3	13.5	12.7	11.9	10.7
92.5°	16.6	16.4	16.1	15.9	15.7	15.1	14.3	13.5	12.7	11.9	10.8
95°	15.6	15.6	15.6	15.6	15.6	15.1	14.3	13.5	12.7	11.9	18.1
97.5°	15.6	15.6	15.6	15.6	15.6	17.9	22.5	27.2	31.8	36.5	48.8
100°	15.6	16.2	16.9	17.5	18.2	30.8	55.3	79.9	104.4	128.9	128.3
102.5°	93.2	104.4	115.6	126.8	138.0	145.9	150.6	155.2	159.9	164.5	164.1
105°	220.1	220.2	220.4	220.6	220.7	220.8	220.8	220.8	220.8	220.8	220.8
107.5°	277.4	277.9	278.4	278.9	279.4	279.6	279.6	279.6	279.5	279.5	279.2
110°	317.1	317.0	316.8	316.6	316.5	316.6	317.1	317.6	318.1	318.6	318.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	352.7	352.9	353.2	353.4	353.6	354.0	354.7	355.3	355.9	356.6	356.4
115°	406.0	407.0	408.0	409.0	410.0	410.8	411.5	412.1	412.8	413.5	413.3
117.5°	463.0	463.4	463.8	464.2	464.7	465.3	466.2	467.0	467.9	468.7	468.1
120°	497.9	498.8	499.6	500.4	501.2	501.8	502.1	502.5	502.8	503.1	502.6
122.5°	531.1	532.1	533.0	534.0	534.9	535.6	535.9	536.2	536.6	536.9	536.7
125°	581.7	582.2	582.6	583.1	583.6	584.2	584.9	585.5	586.2	586.8	586.8
127.5°	624.2	625.4	626.6	627.8	629.1	629.9	630.2	630.6	630.9	631.3	631.4
130°	655.0	655.8	656.7	657.5	658.3	659.0	659.5	660.0	660.4	660.9	660.8
132.5°	683.5	684.3	685.1	685.9	686.8	687.2	687.3	687.4	687.5	687.6	688.0
135°	722.4	723.4	724.4	725.4	726.4	727.1	727.4	727.7	728.0	728.4	728.7
137.5°	761.6	762.4	763.3	764.1	765.0	765.4	765.3	765.3	765.2	765.1	765.4
140°	784.7	785.7	786.7	787.6	788.6	789.0	788.6	788.3	788.0	787.6	787.8
142.5°	806.6	807.6	808.6	809.6	810.6	811.0	811.0	810.9	810.8	810.8	810.5
145°	838.8	839.8	840.7	841.7	842.7	843.1	843.0	842.8	842.6	842.5	842.5
147.5°	865.3	866.5	867.7	868.9	870.0	870.5	870.3	870.1	869.9	869.7	869.5
150°	882.5	883.8	885.1	886.4	887.8	888.3	887.9	887.6	887.3	886.9	886.6
152.5°	898.5	899.7	900.9	902.0	903.2	903.7	903.3	903.0	902.7	902.3	902.0
155°	919.5	920.9	922.2	923.5	924.8	925.2	924.7	924.2	923.7	923.2	922.9
157.5°	937.2	938.5	939.8	941.1	942.4	942.8	942.3	941.8	941.3	940.7	940.7
160°	948.4	949.8	951.1	952.4	953.7	954.0	953.4	952.7	952.1	951.4	951.2
162.5°	958.5	960.0	961.4	962.9	964.3	964.6	963.6	962.7	961.8	960.9	960.7
165°	972.1	973.5	974.8	976.1	977.4	977.6	976.6	975.6	974.6	973.6	973.5
167.5°	981.6	983.1	984.6	986.1	987.6	987.7	986.5	985.3	984.1	983.0	982.8
170°	987.0	988.4	989.9	991.4	992.9	993.0	991.7	990.3	989.0	987.7	987.5
172.5°	990.5	992.0	993.5	995.0	996.4	996.6	995.4	994.2	993.0	991.9	991.6
175°	995.1	996.6	998.1	999.6	1001.0	1001.1	999.8	998.5	997.2	995.9	995.7
177.5°	997.8	998.8	999.9	1000.9	1002.0	1002.1	1001.1	1000.2	999.3	998.4	998.2
180°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1258.7	1255.8	1252.4	1246.6	1239.6	1235.8	1230.0	1226.3	1218.8	1212.6	1205.9
5°	1322.5	1309.0	1296.6	1280.5	1262.8	1251.4	1237.9	1222.8	1207.3	1191.2	1173.5
7.5°	1388.7	1364.8	1338.8	1310.9	1283.6	1258.5	1234.5	1210.9	1188.9	1162.3	1139.8
10°	1433.1	1403.0	1370.8	1332.9	1296.1	1263.9	1231.2	1202.6	1173.5	1142.4	1114.8
12.5°	1477.6	1437.5	1392.0	1350.4	1306.0	1267.2	1228.7	1192.2	1155.7	1121.2	1089.1
15°	1509.0	1473.6	1431.6	1372.4	1322.5	1269.1	1218.2	1170.9	1126.8	1088.4	1047.9
17.5°	1529.6	1484.1	1439.0	1382.2	1316.8	1257.0	1199.4	1145.3	1095.5	1046.8	1007.8
20°	1533.4	1486.6	1439.4	1383.8	1316.8	1248.3	1190.7	1125.7	1072.3	1021.9	974.1
22.5°	1532.1	1479.2	1427.7	1370.5	1305.2	1242.1	1172.4	1106.2	1048.2	998.6	948.8
25°	1520.4	1463.8	1399.4	1341.8	1277.4	1210.4	1139.8	1071.2	1012.0	955.4	906.1
27.5°	1510.6	1437.2	1364.3	1297.1	1234.9	1173.5	1105.9	1035.7	970.1	912.7	866.2
30°	1498.6	1418.1	1336.0	1265.9	1202.1	1142.4	1078.5	1010.0	941.4	885.3	835.5
32.5°	1487.8	1394.0	1307.4	1231.1	1163.4	1105.4	1046.5	981.3	914.0	857.1	807.2
35°	1466.9	1358.4	1259.2	1173.0	1100.8	1041.1	991.8	931.0	869.2	814.2	766.4
37.5°	1440.4	1311.6	1205.2	1114.8	1035.7	972.8	926.9	880.2	820.9	767.9	724.7
40°	1419.6	1278.4	1165.7	1073.3	991.3	925.8	883.3	839.1	789.8	740.5	694.8
42.5°	1393.5	1248.5	1125.9	1026.4	945.1	881.4	836.7	799.2	755.7	709.7	667.3
45°	1345.4	1194.3	1061.4	954.4	872.3	809.5	763.3	735.3	702.6	658.9	623.1
47.5°	1274.7	1129.2	991.7	881.3	796.6	738.4	695.1	668.2	645.1	612.7	580.2
50°	1211.9	1080.6	941.4	831.8	747.2	688.5	648.6	624.1	604.4	579.5	552.0
52.5°	1141.7	1019.5	892.0	783.7	699.9	642.0	602.9	581.4	565.0	547.1	520.0
55°	1030.2	926.4	808.0	705.1	627.8	571.2	536.9	518.2	504.7	491.2	474.6
57.5°	907.3	826.1	721.2	627.3	556.0	504.5	472.5	454.3	443.9	436.9	427.1
60°	820.9	751.4	661.0	575.3	505.8	460.1	428.9	414.9	406.1	400.3	393.1
62.5°	740.8	683.7	599.9	521.7	460.9	417.7	389.9	376.3	367.8	365.0	359.0
65°	622.6	578.5	509.4	444.5	392.6	355.7	332.3	319.3	314.1	311.0	311.6
67.5°	506.2	479.3	423.8	368.5	327.0	296.1	277.4	267.4	264.8	260.7	260.6
70°	435.1	414.9	368.2	319.9	283.0	259.1	242.5	232.1	229.5	227.4	226.9
72.5°	372.4	354.7	314.1	275.4	242.3	221.3	207.6	201.4	197.1	195.9	195.8
75°	279.9	270.0	237.8	207.2	184.3	169.8	160.5	154.7	151.6	151.1	151.6
77.5°	199.0	190.4	169.9	148.2	133.8	122.8	114.9	112.9	109.4	109.5	108.9
80°	149.5	143.8	130.9	113.7	101.8	92.4	88.3	84.6	83.6	82.0	83.6
82.5°	108.4	102.3	93.5	82.6	72.7	67.1	62.9	61.8	61.2	60.4	60.8
85°	53.5	54.0	48.8	40.5	36.3	33.2	30.6	30.6	30.1	29.6	30.1
87.5°	20.2	19.1	17.2	15.7	13.4	11.9	11.2	11.4	10.4	10.2	10.9
90°	9.6	8.4	7.2	6.0	4.7	3.4	2.1	0.7	2.1	3.4	4.7
92.5°	9.8	8.8	7.8	7.7	8.6	9.6	10.5	11.4	10.5	9.6	8.6
95°	24.4	30.6	36.9	40.3	40.8	41.2	41.7	42.2	41.7	41.2	40.8
97.5°	61.2	73.6	86.0	91.7	90.8	90.0	89.1	88.2	89.1	90.0	90.8
100°	127.6	127.0	126.3	125.7	125.2	124.7	124.2	123.7	124.2	124.7	125.2
102.5°	163.7	163.3	162.9	162.4	161.8	161.2	160.5	159.9	160.5	161.2	161.8
105°	220.8	220.8	220.8	220.5	219.8	219.2	218.5	217.8	218.5	219.2	219.8
107.5°	278.8	278.5	278.2	278.0	278.0	278.0	278.0	278.0	278.0	278.0	278.0
110°	318.0	317.6	317.3	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	356.2	356.0	355.8	355.5	355.1	354.7	354.3	353.9	354.3	354.7	355.1
115°	413.1	413.0	412.8	412.3	411.5	410.7	409.8	409.0	409.8	410.7	411.5
117.5°	467.5	466.9	466.2	465.9	466.0	466.0	466.0	466.1	466.0	466.0	466.0
120°	502.1	501.6	501.1	501.0	501.1	501.3	501.5	501.6	501.5	501.3	501.1
122.5°	536.4	536.2	536.0	535.6	534.9	534.3	533.7	533.0	533.7	534.3	534.9
125°	586.8	586.8	586.8	586.3	585.1	584.0	582.8	581.7	582.8	584.0	585.1
127.5°	631.5	631.6	631.7	631.3	630.5	629.7	628.9	628.0	628.9	629.7	630.5
130°	660.6	660.4	660.3	659.8	659.0	658.1	657.3	656.5	657.3	658.1	659.0
132.5°	688.3	688.7	689.1	688.8	687.8	686.9	685.9	684.9	685.9	686.9	687.8
135°	729.0	729.4	729.7	729.4	728.4	727.4	726.4	725.4	726.4	727.4	728.4
137.5°	765.7	766.0	766.3	766.0	765.2	764.3	763.5	762.6	763.5	764.3	765.2
140°	788.0	788.1	788.3	788.2	787.9	787.6	787.2	786.9	787.2	787.6	787.9
142.5°	810.3	810.1	809.8	809.6	809.4	809.2	809.0	808.8	809.0	809.2	809.4
145°	842.5	842.5	842.5	842.3	842.0	841.7	841.3	841.0	841.3	841.7	842.0
147.5°	869.3	869.2	869.0	868.9	869.0	869.0	869.1	869.2	869.1	869.0	869.0
150°	886.3	885.9	885.6	885.6	885.9	886.3	886.6	886.9	886.6	886.3	885.9
152.5°	901.7	901.4	901.0	901.2	902.0	902.7	903.4	904.1	903.4	902.7	902.0
155°	922.6	922.3	921.9	922.3	923.2	924.2	925.2	926.2	925.2	924.2	923.2
157.5°	940.7	940.6	940.6	940.9	941.5	942.1	942.7	943.2	942.7	942.1	941.5
160°	951.1	950.9	950.7	951.2	952.1	953.1	954.1	955.1	954.1	953.1	952.1
162.5°	960.6	960.4	960.2	960.6	961.6	962.6	963.6	964.6	963.6	962.6	961.6
165°	973.3	973.1	973.0	973.4	974.4	975.4	976.3	977.3	976.3	975.4	974.4
167.5°	982.6	982.5	982.3	982.7	983.8	984.8	985.8	986.8	985.8	984.8	983.8
170°	987.4	987.2	987.0	987.5	988.7	989.8	991.0	992.2	991.0	989.8	988.7
172.5°	991.3	991.0	990.7	991.1	992.2	993.4	994.6	995.7	994.6	993.4	992.2
175°	995.5	995.4	995.2	995.6	996.6	997.6	998.6	999.6	998.6	997.6	996.6
177.5°	998.1	998.0	997.8	998.2	999.0	999.8	1000.5	1001.3	1000.5	999.8	999.0
180°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1202.2	1197.6	1193.9	1185.6	1181.0	1174.8	1169.8	1175.2	1169.4	1171.9	1168.1
5°	1164.7	1150.2	1139.8	1124.7	1111.7	1099.8	1091.0	1089.4	1085.2	1083.2	1076.9
7.5°	1119.6	1101.4	1083.6	1063.9	1047.2	1030.3	1019.5	1010.6	1004.7	996.9	991.6
10°	1093.0	1068.6	1047.9	1024.0	1003.2	985.0	970.5	963.2	956.5	946.6	943.0
12.5°	1060.2	1035.0	1009.6	984.1	964.2	943.9	931.4	920.4	915.8	904.6	903.5
15°	1020.9	983.0	958.0	932.1	904.5	887.9	877.5	865.6	860.4	852.6	846.9
17.5°	973.9	940.1	908.9	882.0	858.4	844.4	831.5	823.3	814.4	809.3	800.0
20°	939.9	907.7	876.5	847.9	829.8	813.7	803.3	795.5	786.2	783.6	774.2
22.5°	911.2	875.7	845.8	821.8	801.9	783.8	772.5	767.3	760.8	752.8	750.9
25°	864.6	827.7	802.3	778.4	760.7	744.1	736.3	729.6	723.3	717.6	715.5
27.5°	824.3	791.3	761.1	739.5	724.2	709.0	702.1	693.9	689.4	684.8	679.2
30°	796.0	762.3	735.8	715.0	698.4	684.9	677.6	671.9	667.8	663.6	660.5
32.5°	766.9	735.7	710.0	689.7	673.1	662.9	656.4	652.4	647.8	642.8	638.9
35°	728.5	694.2	669.3	651.7	638.7	630.9	623.6	620.0	614.8	614.8	610.6
37.5°	685.2	655.6	633.6	617.5	605.9	598.9	591.0	588.5	585.2	583.0	581.6
40°	659.5	631.9	611.2	595.1	582.6	576.9	570.7	566.5	564.4	561.8	560.8
42.5°	632.9	606.6	586.7	571.8	561.0	556.1	550.3	547.4	543.2	539.8	539.2
45°	592.5	567.0	548.9	536.9	527.6	521.9	518.2	512.0	509.9	505.8	505.2
47.5°	554.1	529.7	511.9	502.1	493.9	489.2	483.5	477.3	474.9	472.8	472.6
50°	525.5	503.2	486.5	477.2	469.4	462.7	456.9	452.8	451.2	451.2	452.3
52.5°	496.4	477.4	463.3	451.9	444.5	437.3	432.0	429.5	427.1	429.6	431.5
55°	453.8	434.6	424.2	413.3	406.1	397.7	395.2	394.1	392.6	396.7	398.8
57.5°	408.8	395.3	383.1	372.3	365.8	361.0	357.5	356.8	359.7	361.7	368.5
60°	380.1	364.5	353.6	345.3	337.5	334.4	333.4	332.3	334.4	340.1	348.9
62.5°	348.5	335.9	324.1	317.9	312.2	307.0	306.8	307.4	311.6	318.1	326.9
65°	302.2	291.3	283.5	276.2	271.6	268.5	269.5	271.6	276.2	285.1	294.9
67.5°	255.2	247.7	240.7	234.8	230.3	230.3	231.4	234.5	240.0	250.2	259.2
70°	224.8	216.5	210.8	208.2	204.6	202.5	205.6	210.8	215.5	224.8	232.6
72.5°	194.5	187.5	183.0	181.2	179.7	178.0	179.0	184.6	191.0	200.3	209.4
75°	149.5	146.9	143.8	141.8	140.2	141.2	142.3	147.5	152.7	162.5	172.9
77.5°	109.1	106.4	104.6	104.1	103.2	103.7	106.7	110.5	115.6	122.8	130.6
80°	82.6	81.5	80.5	80.0	80.0	80.5	84.6	87.2	91.9	98.7	104.9
82.5°	60.1	59.5	59.3	59.2	59.6	59.7	62.2	65.6	69.5	74.6	80.0
85°	31.7	30.6	32.2	32.7	31.7	33.2	34.3	36.3	37.9	40.5	43.1
87.5°	11.6	12.7	12.5	13.1	13.4	14.4	14.2	16.0	17.0	18.0	17.7
90°	6.0	7.2	8.4	9.6	10.7	11.9	12.7	13.5	14.3	15.1	15.8
92.5°	7.7	7.8	8.8	9.8	10.8	11.9	12.7	13.5	14.3	15.1	15.7
95°	40.3	36.9	30.6	24.4	18.1	11.9	12.7	13.5	14.3	15.1	15.6
97.5°	91.7	86.0	73.6	61.2	48.8	36.5	31.8	27.2	22.5	17.9	15.6
100°	125.7	126.3	127.0	127.6	128.3	128.9	104.4	79.9	55.3	30.8	18.2
102.5°	162.4	162.9	163.3	163.7	164.1	164.5	159.9	155.2	150.6	145.9	138.0
105°	220.5	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.7
107.5°	278.0	278.2	278.5	278.8	279.2	279.5	279.5	279.6	279.6	279.6	279.4
110°	317.1	317.3	317.6	318.0	318.3	318.6	318.1	317.6	317.1	316.6	316.5



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	355.5	355.8	356.0	356.2	356.4	356.6	355.9	355.3	354.7	354.0	353.6
115°	412.3	412.8	413.0	413.1	413.3	413.5	412.8	412.1	411.5	410.8	410.0
117.5°	465.9	466.2	466.9	467.5	468.1	468.7	467.9	467.0	466.2	465.3	464.7
120°	501.0	501.1	501.6	502.1	502.6	503.1	502.8	502.5	502.1	501.8	501.2
122.5°	535.6	536.0	536.2	536.4	536.7	536.9	536.6	536.2	535.9	535.6	534.9
125°	586.3	586.8	586.8	586.8	586.8	586.8	586.2	585.5	584.9	584.2	583.6
127.5°	631.3	631.7	631.6	631.5	631.4	631.3	630.9	630.6	630.2	629.9	629.1
130°	659.8	660.3	660.4	660.6	660.8	660.9	660.4	660.0	659.5	659.0	658.3
132.5°	688.8	689.1	688.7	688.3	688.0	687.6	687.5	687.4	687.3	687.2	686.8
135°	729.4	729.7	729.4	729.0	728.7	728.4	728.0	727.7	727.4	727.1	726.4
137.5°	766.0	766.3	766.0	765.7	765.4	765.1	765.2	765.3	765.3	765.4	765.0
140°	788.2	788.3	788.1	788.0	787.8	787.6	788.0	788.3	788.6	789.0	788.6
142.5°	809.6	809.8	810.1	810.3	810.5	810.8	810.8	810.9	811.0	811.0	810.6
145°	842.3	842.5	842.5	842.5	842.5	842.5	842.6	842.8	843.0	843.1	842.7
147.5°	868.9	869.0	869.2	869.3	869.5	869.7	869.9	870.1	870.3	870.5	870.0
150°	885.6	885.6	885.9	886.3	886.6	886.9	887.3	887.6	887.9	888.3	887.8
152.5°	901.2	901.0	901.4	901.7	902.0	902.3	902.7	903.0	903.3	903.7	903.2
155°	922.3	921.9	922.3	922.6	922.9	923.2	923.7	924.2	924.7	925.2	924.8
157.5°	940.9	940.6	940.6	940.7	940.7	940.7	941.3	941.8	942.3	942.8	942.4
160°	951.2	950.7	950.9	951.1	951.2	951.4	952.1	952.7	953.4	954.0	953.7
162.5°	960.6	960.2	960.4	960.6	960.7	960.9	961.8	962.7	963.6	964.6	964.3
165°	973.4	973.0	973.1	973.3	973.5	973.6	974.6	975.6	976.6	977.6	977.4
167.5°	982.7	982.3	982.5	982.6	982.8	983.0	984.1	985.3	986.5	987.7	987.6
170°	987.5	987.0	987.2	987.4	987.5	987.7	989.0	990.3	991.7	993.0	992.9
172.5°	991.1	990.7	991.0	991.3	991.6	991.9	993.0	994.2	995.4	996.6	996.4
175°	995.6	995.2	995.4	995.5	995.7	995.9	997.2	998.5	999.8	1001.1	1001.0
177.5°	998.2	997.8	998.0	998.1	998.2	998.4	999.3	1000.2	1001.1	1002.1	1002.0
180°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1165.6	1168.5	1166.0	1169.4	1166.0	1168.5	1165.6	1168.1	1171.9	1169.4	1175.2
5°	1074.3	1069.7	1072.8	1070.7	1072.8	1069.7	1074.3	1076.9	1083.2	1085.2	1089.4
7.5°	990.0	985.5	980.5	978.1	980.5	985.5	990.0	991.6	996.9	1004.7	1010.6
10°	937.3	931.5	931.0	927.4	931.0	931.5	937.3	943.0	946.6	956.5	963.2
12.5°	898.6	893.3	887.4	885.9	887.4	893.3	898.6	903.5	904.6	915.8	920.4
15°	843.8	839.6	836.0	839.1	836.0	839.6	843.8	846.9	852.6	860.4	865.6
17.5°	798.2	794.8	794.1	790.3	794.1	794.8	798.2	800.0	809.3	814.4	823.3
20°	769.5	766.9	768.0	761.2	768.0	766.9	769.5	774.2	783.6	786.2	795.5
22.5°	746.7	741.6	741.0	739.6	741.0	741.6	746.7	750.9	752.8	760.8	767.3
25°	710.9	708.3	705.7	708.3	705.7	708.3	710.9	715.5	717.6	723.3	729.6
27.5°	679.6	676.5	675.8	676.1	675.8	676.5	679.6	679.2	684.8	689.4	693.9
30°	660.5	655.3	655.8	655.3	655.8	655.3	660.5	660.5	663.6	667.8	671.9
32.5°	639.7	636.2	635.5	634.5	635.5	636.2	639.7	638.9	642.8	647.8	652.4
35°	609.1	609.1	606.5	606.5	606.5	609.1	609.1	610.6	614.8	614.8	620.0
37.5°	580.3	579.8	578.2	578.5	578.2	579.8	580.3	581.6	583.0	585.2	588.5
40°	558.7	558.2	556.6	553.5	556.6	558.2	558.7	560.8	561.8	564.4	566.5
42.5°	537.9	536.2	535.5	534.4	535.5	536.2	537.9	539.2	539.8	543.2	547.4
45°	505.2	505.2	504.2	503.7	504.2	505.2	505.2	505.2	505.8	509.9	512.0
47.5°	473.5	474.4	476.4	476.1	476.4	474.4	473.5	472.6	472.8	474.9	477.3
50°	454.3	454.9	456.4	456.9	456.4	454.9	454.3	452.3	451.2	451.2	452.8
52.5°	433.2	436.2	438.1	437.8	438.1	436.2	433.2	431.5	429.6	427.1	429.5
55°	403.5	407.1	410.7	411.3	410.7	407.1	403.5	398.8	396.7	392.6	394.1
57.5°	374.1	379.2	383.0	384.2	383.0	379.2	374.1	368.5	361.7	359.7	356.8
60°	354.1	360.9	365.6	367.6	365.6	360.9	354.1	348.9	340.1	334.4	332.3
62.5°	335.0	342.6	347.3	347.7	347.3	342.6	335.0	326.9	318.1	311.6	307.4
65°	303.8	311.6	315.7	318.8	315.7	311.6	303.8	294.9	285.1	276.2	271.6
67.5°	270.1	277.9	282.5	285.0	282.5	277.9	270.1	259.2	250.2	240.0	234.5
70°	245.6	253.4	259.6	261.7	259.6	253.4	245.6	232.6	224.8	215.5	210.8
72.5°	221.5	228.5	233.5	235.9	233.5	228.5	221.5	209.4	200.3	191.0	184.6
75°	179.7	189.0	193.7	196.3	193.7	189.0	179.7	172.9	162.5	152.7	147.5
77.5°	138.5	147.1	149.9	151.2	149.9	147.1	138.5	130.6	122.8	115.6	110.5
80°	111.1	116.3	119.9	120.5	119.9	116.3	111.1	104.9	98.7	91.9	87.2
82.5°	85.4	89.7	90.9	92.2	90.9	89.7	85.4	80.0	74.6	69.5	65.6
85°	46.7	48.8	49.3	48.8	49.3	48.8	46.7	43.1	40.5	37.9	36.3
87.5°	18.6	18.3	18.4	19.3	18.4	18.3	18.6	17.7	18.0	17.0	16.0
90°	16.3	16.8	17.3	17.8	17.3	16.8	16.3	15.8	15.1	14.3	13.5
92.5°	15.9	16.1	16.4	16.6	16.4	16.1	15.9	15.7	15.1	14.3	13.5
95°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.1	14.3	13.5
97.5°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	17.9	22.5	27.2
100°	17.5	16.9	16.2	15.6	16.2	16.9	17.5	18.2	30.8	55.3	79.9
102.5°	126.8	115.6	104.4	93.2	104.4	115.6	126.8	138.0	145.9	150.6	155.2
105°	220.6	220.4	220.2	220.1	220.2	220.4	220.6	220.7	220.8	220.8	220.8
107.5°	278.9	278.4	277.9	277.4	277.9	278.4	278.9	279.4	279.6	279.6	279.6
110°	316.6	316.8	317.0	317.1	317.0	316.8	316.6	316.5	316.6	317.1	317.6



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	353.4	353.2	352.9	352.7	352.9	353.2	353.4	353.6	354.0	354.7	355.3
115°	409.0	408.0	407.0	406.0	407.0	408.0	409.0	410.0	410.8	411.5	412.1
117.5°	464.2	463.8	463.4	463.0	463.4	463.8	464.2	464.7	465.3	466.2	467.0
120°	500.4	499.6	498.8	497.9	498.8	499.6	500.4	501.2	501.8	502.1	502.5
122.5°	534.0	533.0	532.1	531.1	532.1	533.0	534.0	534.9	535.6	535.9	536.2
125°	583.1	582.6	582.2	581.7	582.2	582.6	583.1	583.6	584.2	584.9	585.5
127.5°	627.8	626.6	625.4	624.2	625.4	626.6	627.8	629.1	629.9	630.2	630.6
130°	657.5	656.7	655.8	655.0	655.8	656.7	657.5	658.3	659.0	659.5	660.0
132.5°	685.9	685.1	684.3	683.5	684.3	685.1	685.9	686.8	687.2	687.3	687.4
135°	725.4	724.4	723.4	722.4	723.4	724.4	725.4	726.4	727.1	727.4	727.7
137.5°	764.1	763.3	762.4	761.6	762.4	763.3	764.1	765.0	765.4	765.3	765.3
140°	787.6	786.7	785.7	784.7	785.7	786.7	787.6	788.6	789.0	788.6	788.3
142.5°	809.6	808.6	807.6	806.6	807.6	808.6	809.6	810.6	811.0	811.0	810.9
145°	841.7	840.7	839.8	838.8	839.8	840.7	841.7	842.7	843.1	843.0	842.8
147.5°	868.9	867.7	866.5	865.3	866.5	867.7	868.9	870.0	870.5	870.3	870.1
150°	886.4	885.1	883.8	882.5	883.8	885.1	886.4	887.8	888.3	887.9	887.6
152.5°	902.0	900.9	899.7	898.5	899.7	900.9	902.0	903.2	903.7	903.3	903.0
155°	923.5	922.2	920.9	919.5	920.9	922.2	923.5	924.8	925.2	924.7	924.2
157.5°	941.1	939.8	938.5	937.2	938.5	939.8	941.1	942.4	942.8	942.3	941.8
160°	952.4	951.1	949.8	948.4	949.8	951.1	952.4	953.7	954.0	953.4	952.7
162.5°	962.9	961.4	960.0	958.5	960.0	961.4	962.9	964.3	964.6	963.6	962.7
165°	976.1	974.8	973.5	972.1	973.5	974.8	976.1	977.4	977.6	976.6	975.6
167.5°	986.1	984.6	983.1	981.6	983.1	984.6	986.1	987.6	987.7	986.5	985.3
170°	991.4	989.9	988.4	987.0	988.4	989.9	991.4	992.9	993.0	991.7	990.3
172.5°	995.0	993.5	992.0	990.5	992.0	993.5	995.0	996.4	996.6	995.4	994.2
175°	999.6	998.1	996.6	995.1	996.6	998.1	999.6	1001.0	1001.1	999.8	998.5
177.5°	1000.9	999.9	998.8	997.8	998.8	999.9	1000.9	1002.0	1002.1	1001.1	1000.2
180°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1169.8	1174.8	1181.0	1185.6	1193.9	1197.6	1202.2	1205.9	1212.6	1218.8	1226.3
5°	1091.0	1099.8	1111.7	1124.7	1139.8	1150.2	1164.7	1173.5	1191.2	1207.3	1222.8
7.5°	1019.5	1030.3	1047.2	1063.9	1083.6	1101.4	1119.6	1139.8	1162.3	1188.9	1210.9
10°	970.5	985.0	1003.2	1024.0	1047.9	1068.6	1093.0	1114.8	1142.4	1173.5	1202.6
12.5°	931.4	943.9	964.2	984.1	1009.6	1035.0	1060.2	1089.1	1121.2	1155.7	1192.2
15°	877.5	887.9	904.5	932.1	958.0	983.0	1020.9	1047.9	1088.4	1126.8	1170.9
17.5°	831.5	844.4	858.4	882.0	908.9	940.1	973.9	1007.8	1046.8	1095.5	1145.3
20°	803.3	813.7	829.8	847.9	876.5	907.7	939.9	974.1	1021.9	1072.3	1125.7
22.5°	772.5	783.8	801.9	821.8	845.8	875.7	911.2	948.8	998.6	1048.2	1106.2
25°	736.3	744.1	760.7	778.4	802.3	827.7	864.6	906.1	955.4	1012.0	1071.2
27.5°	702.1	709.0	724.2	739.5	761.1	791.3	824.3	866.2	912.7	970.1	1035.7
30°	677.6	684.9	698.4	715.0	735.8	762.3	796.0	835.5	885.3	941.4	1010.0
32.5°	656.4	662.9	673.1	689.7	710.0	735.7	766.9	807.2	857.1	914.0	981.3
35°	623.6	630.9	638.7	651.7	669.3	694.2	728.5	766.4	814.2	869.2	931.0
37.5°	591.0	598.9	605.9	617.5	633.6	655.6	685.2	724.7	767.9	820.9	880.2
40°	570.7	576.9	582.6	595.1	611.2	631.9	659.5	694.8	740.5	789.8	839.1
42.5°	550.3	556.1	561.0	571.8	586.7	606.6	632.9	667.3	709.7	755.7	799.2
45°	518.2	521.9	527.6	536.9	548.9	567.0	592.5	623.1	658.9	702.6	735.3
47.5°	483.5	489.2	493.9	502.1	511.9	529.7	554.1	580.2	612.7	645.1	668.2
50°	456.9	462.7	469.4	477.2	486.5	503.2	525.5	552.0	579.5	604.4	624.1
52.5°	432.0	437.3	444.5	451.9	463.3	477.4	496.4	520.0	547.1	565.0	581.4
55°	395.2	397.7	406.1	413.3	424.2	434.6	453.8	474.6	491.2	504.7	518.2
57.5°	357.5	361.0	365.8	372.3	383.1	395.3	408.8	427.1	436.9	443.9	454.3
60°	333.4	334.4	337.5	345.3	353.6	364.5	380.1	393.1	400.3	406.1	414.9
62.5°	306.8	307.0	312.2	317.9	324.1	335.9	348.5	359.0	365.0	367.8	376.3
65°	269.5	268.5	271.6	276.2	283.5	291.3	302.2	311.6	311.0	314.1	319.3
67.5°	231.4	230.3	230.3	234.8	240.7	247.7	255.2	260.6	260.7	264.8	267.4
70°	205.6	202.5	204.6	208.2	210.8	216.5	224.8	226.9	227.4	229.5	232.1
72.5°	179.0	178.0	179.7	181.2	183.0	187.5	194.5	195.8	195.9	197.1	201.4
75°	142.3	141.2	140.2	141.8	143.8	146.9	149.5	151.6	151.1	151.6	154.7
77.5°	106.7	103.7	103.2	104.1	104.6	106.4	109.1	108.9	109.5	109.4	112.9
80°	84.6	80.5	80.0	80.0	80.5	81.5	82.6	83.6	82.0	83.6	84.6
82.5°	62.2	59.7	59.6	59.2	59.3	59.5	60.1	60.8	60.4	61.2	61.8
85°	34.3	33.2	31.7	32.7	32.2	30.6	31.7	30.1	29.6	30.1	30.6
87.5°	14.2	14.4	13.4	13.1	12.5	12.7	11.6	10.9	10.2	10.4	11.4
90°	12.7	11.9	10.7	9.6	8.4	7.2	6.0	4.7	3.4	2.1	0.7
92.5°	12.7	11.9	10.8	9.8	8.8	7.8	7.7	8.6	9.6	10.5	11.4
95°	12.7	11.9	18.1	24.4	30.6	36.9	40.3	40.8	41.2	41.7	42.2
97.5°	31.8	36.5	48.8	61.2	73.6	86.0	91.7	90.8	90.0	89.1	88.2
100°	104.4	128.9	128.3	127.6	127.0	126.3	125.7	125.2	124.7	124.2	123.7
102.5°	159.9	164.5	164.1	163.7	163.3	162.9	162.4	161.8	161.2	160.5	159.9
105°	220.8	220.8	220.8	220.8	220.8	220.8	220.5	219.8	219.2	218.5	217.8
107.5°	279.5	279.5	279.2	278.8	278.5	278.2	278.0	278.0	278.0	278.0	278.0
110°	318.1	318.6	318.3	318.0	317.6	317.3	317.1	317.1	317.1	317.1	317.1



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	355.9	356.6	356.4	356.2	356.0	355.8	355.5	355.1	354.7	354.3	353.9
115°	412.8	413.5	413.3	413.1	413.0	412.8	412.3	411.5	410.7	409.8	409.0
117.5°	467.9	468.7	468.1	467.5	466.9	466.2	465.9	466.0	466.0	466.0	466.1
120°	502.8	503.1	502.6	502.1	501.6	501.1	501.0	501.1	501.3	501.5	501.6
122.5°	536.6	536.9	536.7	536.4	536.2	536.0	535.6	534.9	534.3	533.7	533.0
125°	586.2	586.8	586.8	586.8	586.8	586.8	586.3	585.1	584.0	582.8	581.7
127.5°	630.9	631.3	631.4	631.5	631.6	631.7	631.3	630.5	629.7	628.9	628.0
130°	660.4	660.9	660.8	660.6	660.4	660.3	659.8	659.0	658.1	657.3	656.5
132.5°	687.5	687.6	688.0	688.3	688.7	689.1	688.8	687.8	686.9	685.9	684.9
135°	728.0	728.4	728.7	729.0	729.4	729.7	729.4	728.4	727.4	726.4	725.4
137.5°	765.2	765.1	765.4	765.7	766.0	766.3	766.0	765.2	764.3	763.5	762.6
140°	788.0	787.6	787.8	788.0	788.1	788.3	788.2	787.9	787.6	787.2	786.9
142.5°	810.8	810.8	810.5	810.3	810.1	809.8	809.6	809.4	809.2	809.0	808.8
145°	842.6	842.5	842.5	842.5	842.5	842.5	842.3	842.0	841.7	841.3	841.0
147.5°	869.9	869.7	869.5	869.3	869.2	869.0	868.9	869.0	869.0	869.1	869.2
150°	887.3	886.9	886.6	886.3	885.9	885.6	885.6	885.9	886.3	886.6	886.9
152.5°	902.7	902.3	902.0	901.7	901.4	901.0	901.2	902.0	902.7	903.4	904.1
155°	923.7	923.2	922.9	922.6	922.3	921.9	922.3	923.2	924.2	925.2	926.2
157.5°	941.3	940.7	940.7	940.7	940.6	940.6	940.9	941.5	942.1	942.7	943.2
160°	952.1	951.4	951.2	951.1	950.9	950.7	951.2	952.1	953.1	954.1	955.1
162.5°	961.8	960.9	960.7	960.6	960.4	960.2	960.6	961.6	962.6	963.6	964.6
165°	974.6	973.6	973.5	973.3	973.1	973.0	973.4	974.4	975.4	976.3	977.3
167.5°	984.1	983.0	982.8	982.6	982.5	982.3	982.7	983.8	984.8	985.8	986.8
170°	989.0	987.7	987.5	987.4	987.2	987.0	987.5	988.7	989.8	991.0	992.2
172.5°	993.0	991.9	991.6	991.3	991.0	990.7	991.1	992.2	993.4	994.6	995.7
175°	997.2	995.9	995.7	995.5	995.4	995.2	995.6	996.6	997.6	998.6	999.6
177.5°	999.3	998.4	998.2	998.1	998.0	997.8	998.2	999.0	999.8	1000.5	1001.3
180°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6



TEST NUMBER: P333406

CATALOG NUMBER: S125DIW-S850D770U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1230.0	1235.8	1239.6	1246.6	1252.4	1255.8	1258.7	1261.2	1264.1	1266.6	1273.6
5°	1237.9	1251.4	1262.8	1280.5	1296.6	1309.0	1322.5	1334.5	1344.4	1358.4	1369.3
7.5°	1234.5	1258.5	1283.6	1310.9	1338.8	1364.8	1388.7	1411.0	1431.3	1455.8	1477.3
10°	1231.2	1263.9	1296.1	1332.9	1370.8	1403.0	1433.1	1463.8	1486.1	1517.3	1543.7
12.5°	1228.7	1267.2	1306.0	1350.4	1392.0	1437.5	1477.6	1499.9	1533.9	1558.8	1590.3
15°	1218.2	1269.1	1322.5	1372.4	1431.6	1473.6	1509.0	1552.6	1584.2	1615.9	1650.2
17.5°	1199.4	1257.0	1316.8	1382.2	1439.0	1484.1	1529.6	1571.7	1609.5	1652.0	1694.6
20°	1190.7	1248.3	1316.8	1383.8	1439.4	1486.6	1533.4	1579.6	1621.1	1675.6	1725.0
22.5°	1172.4	1242.1	1305.2	1370.5	1427.7	1479.2	1532.1	1584.6	1639.8	1701.4	1763.2
25°	1139.8	1210.4	1277.4	1341.8	1399.4	1463.8	1520.4	1590.5	1661.1	1742.6	1819.5
27.5°	1105.9	1173.5	1234.9	1297.1	1364.3	1437.2	1510.6	1590.2	1682.6	1785.5	1893.9
30°	1078.5	1142.4	1202.1	1265.9	1336.0	1418.1	1498.6	1593.1	1700.0	1815.8	1944.6
32.5°	1046.5	1105.4	1163.4	1231.1	1307.4	1394.0	1487.8	1591.4	1720.0	1851.6	1984.1
35°	991.8	1041.1	1100.8	1173.0	1259.2	1358.4	1466.9	1589.4	1736.9	1888.0	1999.7
37.5°	926.9	972.8	1035.7	1114.8	1205.2	1311.6	1440.4	1585.8	1742.4	1862.9	1898.9
40°	883.3	925.8	991.3	1073.3	1165.7	1278.4	1419.6	1573.3	1725.0	1801.8	1772.2
42.5°	836.7	881.4	945.1	1026.4	1125.9	1248.5	1393.5	1547.2	1674.3	1703.4	1601.1
45°	763.3	809.5	872.3	954.4	1061.4	1194.3	1345.4	1485.1	1558.3	1505.8	1347.5
47.5°	695.1	738.4	796.6	881.3	991.7	1129.2	1274.7	1386.1	1391.9	1266.8	1097.6
50°	648.6	688.5	747.2	831.8	941.4	1080.6	1211.9	1299.7	1260.2	1118.5	955.9
52.5°	602.9	642.0	699.9	783.7	892.0	1019.5	1141.7	1203.3	1129.0	983.5	844.6
55°	536.9	571.2	627.8	705.1	808.0	926.4	1030.2	1051.5	954.9	811.6	698.9
57.5°	472.5	504.5	556.0	627.3	721.2	826.1	907.3	902.8	800.7	677.7	588.3
60°	428.9	460.1	505.8	575.3	661.0	751.4	820.9	804.3	703.1	597.1	521.9
62.5°	389.9	417.7	460.9	521.7	599.9	683.7	740.8	716.3	617.1	524.4	464.9
65°	332.3	355.7	392.6	444.5	509.4	578.5	622.6	590.9	506.3	434.1	386.3
67.5°	277.4	296.1	327.0	368.5	423.8	479.3	506.2	474.3	406.6	353.9	318.5
70°	242.5	259.1	283.0	319.9	368.2	414.9	435.1	406.6	348.4	303.2	277.8
72.5°	207.6	221.3	242.3	275.4	314.1	354.7	372.4	345.1	297.3	259.2	235.4
75°	160.5	169.8	184.3	207.2	237.8	270.0	279.9	256.0	225.4	196.8	181.2
77.5°	114.9	122.8	133.8	148.2	169.9	190.4	199.0	185.2	161.5	143.4	130.6
80°	88.3	92.4	101.8	113.7	130.9	143.8	149.5	140.7	124.1	110.6	100.7
82.5°	62.9	67.1	72.7	82.6	93.5	102.3	108.4	102.5	90.5	79.9	74.1
85°	30.6	33.2	36.3	40.5	48.8	54.0	53.5	49.8	45.2	41.0	37.9
87.5°	11.2	11.9	13.4	15.7	17.2	19.1	20.2	19.6	18.2	17.1	16.0
90°	2.1	3.4	4.7	6.0	7.2	8.4	9.6	10.7	11.9	12.7	13.5
92.5°	10.5	9.6	8.6	7.7	7.8	8.8	9.8	10.8	11.9	12.7	13.5
95°	41.7	41.2	40.8	40.3	36.9	30.6	24.4	18.1	11.9	12.7	13.5
97.5°	89.1	90.0	90.8	91.7	86.0	73.6	61.2	48.8	36.5	31.8	27.2
100°	124.2	124.7	125.2	125.7	126.3	127.0	127.6	128.3	128.9	104.4	79.9
102.5°	160.5	161.2	161.8	162.4	162.9	163.3	163.7	164.1	164.5	159.9	155.2
105°	218.5	219.2	219.8	220.5	220.8	220.8	220.8	220.8	220.8	220.8	220.8
107.5°	278.0	278.0	278.0	278.0	278.2	278.5	278.8	279.2	279.5	279.5	279.6
110°	317.1	317.1	317.1	317.1	317.3	317.6	318.0	318.3	318.6	318.1	317.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	354.3	354.7	355.1	355.5	355.8	356.0	356.2	356.4	356.6	355.9	355.3
115°	409.8	410.7	411.5	412.3	412.8	413.0	413.1	413.3	413.5	412.8	412.1
117.5°	466.0	466.0	466.0	465.9	466.2	466.9	467.5	468.1	468.7	467.9	467.0
120°	501.5	501.3	501.1	501.0	501.1	501.6	502.1	502.6	503.1	502.8	502.5
122.5°	533.7	534.3	534.9	535.6	536.0	536.2	536.4	536.7	536.9	536.6	536.2
125°	582.8	584.0	585.1	586.3	586.8	586.8	586.8	586.8	586.8	586.2	585.5
127.5°	628.9	629.7	630.5	631.3	631.7	631.6	631.5	631.4	631.3	630.9	630.6
130°	657.3	658.1	659.0	659.8	660.3	660.4	660.6	660.8	660.9	660.4	660.0
132.5°	685.9	686.9	687.8	688.8	689.1	688.7	688.3	688.0	687.6	687.5	687.4
135°	726.4	727.4	728.4	729.4	729.7	729.4	729.0	728.7	728.4	728.0	727.7
137.5°	763.5	764.3	765.2	766.0	766.3	766.0	765.7	765.4	765.1	765.2	765.3
140°	787.2	787.6	787.9	788.2	788.3	788.1	788.0	787.8	787.6	788.0	788.3
142.5°	809.0	809.2	809.4	809.6	809.8	810.1	810.3	810.5	810.8	810.8	810.9
145°	841.3	841.7	842.0	842.3	842.5	842.5	842.5	842.5	842.5	842.6	842.8
147.5°	869.1	869.0	869.0	868.9	869.0	869.2	869.3	869.5	869.7	869.9	870.1
150°	886.6	886.3	885.9	885.6	885.6	885.9	886.3	886.6	886.9	887.3	887.6
152.5°	903.4	902.7	902.0	901.2	901.0	901.4	901.7	902.0	902.3	902.7	903.0
155°	925.2	924.2	923.2	922.3	921.9	922.3	922.6	922.9	923.2	923.7	924.2
157.5°	942.7	942.1	941.5	940.9	940.6	940.6	940.7	940.7	940.7	941.3	941.8
160°	954.1	953.1	952.1	951.2	950.7	950.9	951.1	951.2	951.4	952.1	952.7
162.5°	963.6	962.6	961.6	960.6	960.2	960.4	960.6	960.7	960.9	961.8	962.7
165°	976.3	975.4	974.4	973.4	973.0	973.1	973.3	973.5	973.6	974.6	975.6
167.5°	985.8	984.8	983.8	982.7	982.3	982.5	982.6	982.8	983.0	984.1	985.3
170°	991.0	989.8	988.7	987.5	987.0	987.2	987.4	987.5	987.7	989.0	990.3
172.5°	994.6	993.4	992.2	991.1	990.7	991.0	991.3	991.6	991.9	993.0	994.2
175°	998.6	997.6	996.6	995.6	995.2	995.4	995.5	995.7	995.9	997.2	998.5
177.5°	1000.5	999.8	999.0	998.2	997.8	998.0	998.1	998.2	998.4	999.3	1000.2
180°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1279.4	1282.8	1289.8	1287.3	1290.7	1292.3	1294.0
5°	1382.8	1399.4	1406.7	1405.6	1416.5	1413.9	1411.3
7.5°	1499.5	1517.0	1526.7	1538.9	1545.9	1546.4	1552.6
10°	1565.6	1588.4	1597.8	1610.7	1619.0	1623.7	1623.2
12.5°	1616.2	1634.1	1655.1	1661.4	1672.6	1678.5	1676.4
15°	1677.2	1705.8	1727.6	1738.5	1752.5	1756.6	1762.4
17.5°	1731.6	1769.9	1795.4	1829.2	1842.0	1849.8	1845.2
20°	1772.7	1823.1	1848.6	1889.1	1911.4	1923.3	1919.2
22.5°	1821.3	1875.9	1922.9	1958.0	1992.0	2008.1	2011.4
25°	1904.6	1979.4	2048.5	2094.7	2136.7	2146.6	2168.4
27.5°	1997.7	2085.9	2159.7	2208.3	2237.6	2248.6	2255.4
30°	2056.3	2144.0	2199.6	2230.7	2240.1	2239.0	2238.0
32.5°	2084.9	2139.9	2150.5	2141.8	2120.4	2102.4	2083.5
35°	2044.3	2003.3	1942.0	1863.1	1804.9	1746.3	1740.5
37.5°	1838.6	1707.4	1605.4	1491.5	1425.8	1385.2	1357.1
40°	1645.0	1496.0	1372.4	1276.3	1209.3	1182.9	1156.9
42.5°	1434.8	1292.4	1183.0	1102.7	1052.3	1022.9	1002.4
45°	1165.7	1040.1	954.4	896.2	856.3	833.4	820.4
47.5°	955.2	862.3	789.5	747.5	719.9	702.1	702.2
50°	842.2	753.4	705.1	671.9	648.0	634.0	636.6
52.5°	742.1	675.8	634.5	606.7	589.0	580.4	580.1
55°	620.5	572.7	545.7	525.5	513.5	503.7	505.8
57.5°	530.8	490.5	472.4	455.6	447.3	443.3	437.6
60°	475.1	444.0	428.4	414.9	406.6	403.5	397.7
62.5°	425.7	401.2	386.0	375.0	367.5	366.5	362.0
65°	357.8	339.1	325.6	320.4	312.6	310.5	310.5
67.5°	294.9	281.5	271.1	266.3	262.8	263.4	260.9
70°	255.5	244.6	237.8	232.6	230.0	230.5	228.5
72.5°	223.5	211.3	205.4	202.3	198.9	200.2	199.4
75°	169.3	163.0	159.9	156.8	154.7	153.7	152.7
77.5°	124.3	118.8	116.4	114.7	115.0	112.5	114.4
80°	96.1	91.4	89.8	87.2	86.7	86.7	86.2
82.5°	70.3	67.7	66.6	64.4	63.5	64.3	62.9
85°	36.3	34.3	33.8	33.8	32.7	31.7	34.3
87.5°	16.2	14.7	14.8	14.5	14.6	14.3	13.5
90°	14.3	15.1	15.8	16.3	16.8	17.3	17.8
92.5°	14.3	15.1	15.7	15.9	16.1	16.4	16.6
95°	14.3	15.1	15.6	15.6	15.6	15.6	15.6
97.5°	22.5	17.9	15.6	15.6	15.6	15.6	15.6
100°	55.3	30.8	18.2	17.5	16.9	16.2	15.6
102.5°	150.6	145.9	138.0	126.8	115.6	104.4	93.2
105°	220.8	220.8	220.7	220.6	220.4	220.2	220.1
107.5°	279.6	279.6	279.4	278.9	278.4	277.9	277.4
110°	317.1	316.6	316.5	316.6	316.8	317.0	317.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	354.7	354.0	353.6	353.4	353.2	352.9	352.7
115°	411.5	410.8	410.0	409.0	408.0	407.0	406.0
117.5°	466.2	465.3	464.7	464.2	463.8	463.4	463.0
120°	502.1	501.8	501.2	500.4	499.6	498.8	497.9
122.5°	535.9	535.6	534.9	534.0	533.0	532.1	531.1
125°	584.9	584.2	583.6	583.1	582.6	582.2	581.7
127.5°	630.2	629.9	629.1	627.8	626.6	625.4	624.2
130°	659.5	659.0	658.3	657.5	656.7	655.8	655.0
132.5°	687.3	687.2	686.8	685.9	685.1	684.3	683.5
135°	727.4	727.1	726.4	725.4	724.4	723.4	722.4
137.5°	765.3	765.4	765.0	764.1	763.3	762.4	761.6
140°	788.6	789.0	788.6	787.6	786.7	785.7	784.7
142.5°	811.0	811.0	810.6	809.6	808.6	807.6	806.6
145°	843.0	843.1	842.7	841.7	840.7	839.8	838.8
147.5°	870.3	870.5	870.0	868.9	867.7	866.5	865.3
150°	887.9	888.3	887.8	886.4	885.1	883.8	882.5
152.5°	903.3	903.7	903.2	902.0	900.9	899.7	898.5
155°	924.7	925.2	924.8	923.5	922.2	920.9	919.5
157.5°	942.3	942.8	942.4	941.1	939.8	938.5	937.2
160°	953.4	954.0	953.7	952.4	951.1	949.8	948.4
162.5°	963.6	964.6	964.3	962.9	961.4	960.0	958.5
165°	976.6	977.6	977.4	976.1	974.8	973.5	972.1
167.5°	986.5	987.7	987.6	986.1	984.6	983.1	981.6
170°	991.7	993.0	992.9	991.4	989.9	988.4	987.0
172.5°	995.4	996.6	996.4	995.0	993.5	992.0	990.5
175°	999.8	1001.1	1001.0	999.6	998.1	996.6	995.1
177.5°	1001.1	1002.1	1002.0	1000.9	999.9	998.8	997.8
180°	999.6	999.6	999.6	999.6	999.6	999.6	999.6

(END OF REPORT)