

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: P333216

Luminaire Tested: **S125DIP-S850D590U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333216
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D590U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5575.5 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

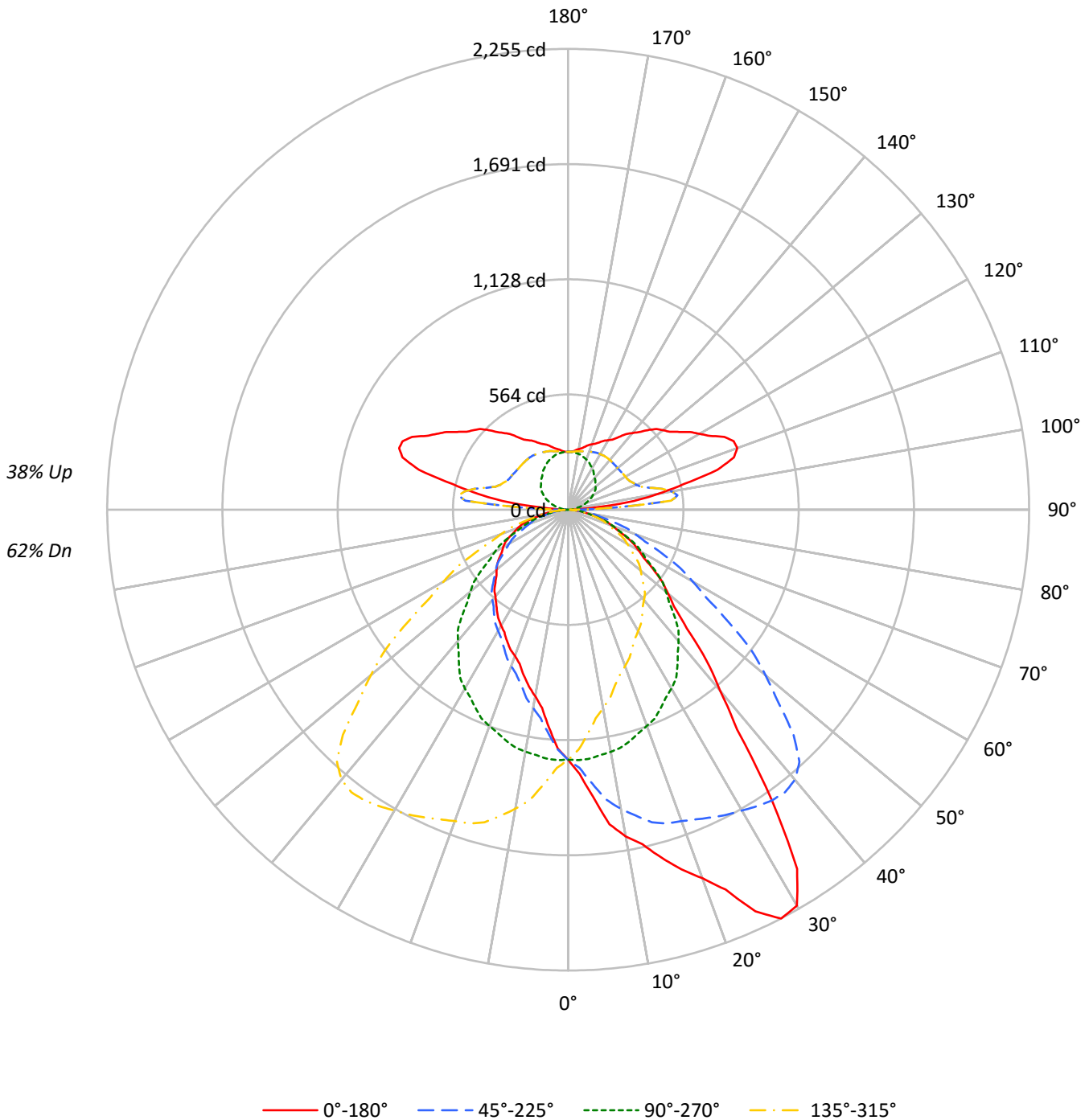
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	91	87	84	79	77	75	69	67	66	60	58	57	53
2	92	85	78	73	86	79	74	69	70	66	62	61	58	55	53	51	49	45
3	84	75	67	61	78	70	64	58	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	34	32	29
6	65	53	45	39	61	50	43	37	45	39	34	39	35	31	35	31	28	25
7	60	48	40	34	57	45	38	33	41	35	30	36	31	27	32	28	25	22
8	56	44	36	30	53	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18
10	49	37	29	24	46	35	28	24	31	26	22	28	23	20	25	21	18	16

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	2.1
10°-20°	350.7	6.3
20°-30°	569.4	10.2
30°-40°	694.5	12.5
40°-50°	631.8	11.3
50°-60°	503.3	9.0
60°-70°	350.5	6.3
70°-80°	186.9	3.4
80°-90°	48.8	0.9
90°-100°	205.1	3.7
100°-110°	440.9	7.9
110°-120°	413.8	7.4
120°-130°	335.3	6.0
130°-140°	269.1	4.8
140°-150°	203.1	3.6
150°-160°	142.9	2.6
160°-170°	84.3	1.5
170°-180°	27.4	0.5
0°-30°	1037.8	18.6
0°-40°	1732.4	31.1
0°-60°	2867.5	51.4
0°-90°	3453.7	61.9
90°-120°	1059.7	19.0
90°-150°	1867.2	33.5
90°-180°	2122.0	38.1
0°-180°	5575.5	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°	13	1	13	1	13	10
95°	134	19	134	19	134	190
105°	756	64	756	64	756	751
115°	842	115	842	115	842	823
125°	663	160	663	160	663	600
135°	551	187	551	187	551	427
145°	435	218	435	218	435	276
155°	364	249	364	249	364	170
165°	319	272	319	272	319	91
175°	287	282	287	282	287	28
180°	283	283	283	283	283	



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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°	12.6	13.4	13.7	13.7	14.1	13.9	15.5	15.3	16.5	17.6	19.0
90°	13.1	13.1	12.5	12.5	12.5	11.4	10.8	10.3	9.7	9.1	8.0
92.5°	36.4	37.3	38.1	39.5	46.8	55.2	73.4	101.1	148.9	183.9	186.9
95°	134.1	143.2	147.7	164.9	205.4	253.3	323.4	410.1	494.6	505.4	412.4
97.5°	324.0	331.3	347.8	379.8	415.0	481.7	550.0	610.8	625.8	539.7	368.3
100°	444.9	454.1	475.2	516.2	555.6	614.9	673.7	701.6	657.7	515.1	328.6
102.5°	580.0	586.9	609.8	639.0	681.1	721.2	749.4	732.2	638.5	471.7	298.4
105°	755.8	762.7	774.1	792.9	811.1	817.4	792.3	714.2	577.3	413.6	269.2
107.5°	849.1	853.7	857.5	857.6	848.3	818.6	754.1	649.8	514.8	373.5	256.9
110°	880.2	880.2	876.2	865.3	839.7	791.2	710.8	602.4	479.2	354.8	253.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	876.5	872.4	862.5	843.9	806.4	749.2	667.9	565.0	452.7	343.9	253.3
115°	842.0	834.5	818.6	791.2	746.7	684.5	606.4	517.9	423.8	332.0	255.0
117.5°	781.4	776.8	761.0	732.7	688.2	631.1	563.8	487.6	406.6	326.2	258.7
120°	742.1	737.6	722.2	694.8	652.6	602.4	539.6	471.2	397.0	323.4	262.4
122.5°	707.4	703.3	687.9	662.8	625.2	578.2	522.3	458.9	388.8	321.2	265.6
125°	663.4	657.7	645.2	621.8	589.8	548.8	499.1	440.9	377.6	318.3	271.0
127.5°	625.8	623.2	611.4	590.7	561.8	523.3	477.0	422.7	367.4	316.9	277.0
130°	605.2	601.8	590.4	571.6	543.0	506.0	461.5	411.3	360.5	316.0	280.7
132.5°	584.7	580.8	570.3	551.5	523.0	487.3	446.9	399.9	355.0	316.0	284.8
135°	551.0	547.6	537.3	518.5	493.4	460.9	424.4	385.0	348.5	316.0	290.3
137.5°	515.1	511.3	501.9	484.7	462.3	434.7	404.3	372.5	342.7	316.7	295.5
140°	490.0	487.1	478.6	463.8	442.7	418.7	392.5	365.6	340.0	317.2	297.8
142.5°	466.7	464.3	456.2	443.7	425.8	405.0	382.4	359.7	337.7	317.6	299.1
145°	434.7	432.4	426.1	416.4	402.7	387.3	369.6	352.0	334.3	317.2	300.6
147.5°	407.5	406.5	402.8	395.1	384.2	372.6	359.0	344.7	330.7	315.7	301.2
150°	392.5	391.9	389.6	382.8	374.2	363.9	353.1	340.5	328.0	314.3	301.2
152.5°	380.6	380.0	377.7	372.3	365.1	357.1	347.2	336.0	324.8	312.5	300.7
155°	364.5	363.9	362.2	358.2	352.5	346.2	338.3	329.1	319.4	309.2	299.5
157.5°	350.1	350.2	348.6	345.3	340.9	336.0	329.8	322.3	314.4	305.7	298.0
160°	340.5	341.1	340.0	337.1	333.1	329.1	323.4	317.7	310.3	303.5	296.6
162.5°	331.9	332.0	331.8	329.4	326.3	322.7	318.0	312.7	306.7	300.7	295.3
165°	319.4	319.4	319.4	318.3	316.0	313.2	309.7	305.7	301.2	296.6	293.2
167.5°	308.0	308.1	308.6	307.6	306.4	304.4	301.8	299.1	295.8	292.6	290.0
170°	301.2	301.8	301.8	301.2	300.0	298.9	297.2	295.5	292.6	290.3	288.6
172.5°	294.8	295.4	296.3	295.3	295.0	294.3	293.1	291.4	289.4	287.6	286.8
175°	286.9	287.5	288.6	288.1	288.1	288.1	286.9	286.9	285.2	284.6	284.6
177.5°	282.9	282.9	284.3	283.8	284.3	284.3	284.3	283.8	283.4	282.9	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



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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°	19.8	18.7	16.9	15.5	13.1	11.7	11.0	11.3	10.2	10.0	10.7
90°	7.4	6.3	5.7	4.6	3.4	2.3	1.1	0.6	1.1	2.3	3.4
92.5°	130.2	77.9	46.8	30.1	20.3	13.2	8.4	7.0	8.4	13.2	20.3
95°	255.0	129.5	68.5	42.8	30.2	24.0	19.4	18.8	19.4	24.0	30.2
97.5°	203.5	111.6	71.2	52.7	41.4	35.1	31.9	31.3	31.9	35.1	41.4
100°	184.8	110.7	77.6	60.5	49.6	43.4	41.1	39.9	41.1	43.4	49.6
102.5°	177.1	114.8	85.3	68.7	58.8	52.0	50.2	49.5	50.2	52.0	58.8
105°	174.0	123.2	98.1	82.1	73.0	67.3	64.5	64.5	64.5	67.3	73.0
107.5°	179.2	135.8	111.5	97.1	87.6	82.9	80.2	79.1	80.2	82.9	87.6
110°	184.2	144.9	121.5	106.7	98.1	93.0	90.7	89.6	90.7	93.0	98.1



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	190.6	153.6	131.1	116.7	108.2	103.0	101.2	100.1	101.2	103.0	108.2
115°	200.2	167.1	146.0	131.8	123.2	118.1	116.4	115.2	116.4	118.1	123.2
117.5°	211.2	181.1	161.1	147.3	137.6	132.5	130.6	128.9	130.6	132.5	137.6
120°	218.5	191.1	171.1	156.9	147.2	142.0	139.8	138.0	139.8	142.0	147.2
122.5°	226.7	200.7	180.7	166.5	155.8	150.7	148.9	147.6	148.9	150.7	155.8
125°	237.9	213.3	194.5	179.7	168.8	163.7	160.9	159.7	160.9	163.7	168.8
127.5°	248.1	225.5	207.4	192.6	181.1	174.6	170.9	169.2	170.9	174.6	181.1
130°	255.0	233.3	215.6	200.8	188.8	181.4	176.8	175.1	176.8	181.4	188.8
132.5°	260.9	240.6	222.9	208.1	195.7	187.3	181.9	179.7	181.9	187.3	195.7
135°	269.2	250.4	232.7	217.3	205.4	196.2	189.4	187.1	189.4	196.2	205.4
137.5°	275.4	257.4	241.3	225.4	213.7	204.6	198.2	196.5	198.2	204.6	213.7
140°	279.5	262.4	245.9	230.5	219.6	210.5	203.6	201.9	203.6	210.5	219.6
142.5°	281.8	265.6	250.0	235.5	225.1	216.0	209.6	208.3	209.6	216.0	225.1
145°	285.2	271.0	256.1	243.0	232.7	224.7	219.0	217.9	219.0	224.7	232.7
147.5°	287.3	274.4	261.4	249.8	240.9	233.5	228.6	227.9	228.6	233.5	240.9
150°	288.6	276.7	264.1	254.4	246.4	239.0	235.0	233.9	235.0	239.0	246.4
152.5°	289.5	278.9	267.3	258.5	251.0	244.5	240.9	240.3	240.9	244.5	251.0
155°	290.3	281.2	271.5	263.5	257.8	252.1	248.7	248.7	248.7	252.1	257.8
157.5°	290.9	283.2	274.8	268.8	263.8	258.9	256.1	256.2	256.1	258.9	263.8
160°	290.9	284.1	276.7	271.5	267.0	263.0	260.7	261.3	260.7	263.0	267.0
162.5°	290.5	285.0	278.5	274.3	270.6	267.1	264.8	265.4	264.8	267.1	270.6
165°	289.8	285.2	280.7	277.2	274.9	272.1	270.4	271.5	270.4	272.1	274.9
167.5°	288.4	285.2	281.4	279.3	277.7	276.1	275.1	275.6	275.1	276.1	277.7
170°	287.5	285.2	282.4	280.7	279.5	278.4	277.8	278.4	277.8	278.4	279.5
172.5°	286.6	284.8	282.4	281.6	280.9	279.7	279.2	280.2	279.2	279.7	280.9
175°	285.2	284.1	282.4	282.4	282.4	281.8	281.2	282.4	281.2	281.8	282.4
177.5°	283.8	283.4	282.5	282.5	282.9	282.5	282.5	283.4	282.5	282.5	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

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°	11.3	12.4	12.1	12.7	12.8	13.9	13.6	15.3	16.3	17.2	17.0
90°	4.6	5.7	6.3	7.4	8.0	9.1	9.7	10.3	10.8	11.4	12.5
92.5°	30.1	46.8	77.9	130.2	186.9	183.9	148.9	101.1	73.4	55.2	46.8
95°	42.8	68.5	129.5	255.0	412.4	505.4	494.6	410.1	323.4	253.3	205.4
97.5°	52.7	71.2	111.6	203.5	368.3	539.7	625.8	610.8	550.0	481.7	415.0
100°	60.5	77.6	110.7	184.8	328.6	515.1	657.7	701.6	673.7	614.9	555.6
102.5°	68.7	85.3	114.8	177.1	298.4	471.7	638.5	732.2	749.4	721.2	681.1
105°	82.1	98.1	123.2	174.0	269.2	413.6	577.3	714.2	792.3	817.4	811.1
107.5°	97.1	111.5	135.8	179.2	256.9	373.5	514.8	649.8	754.1	818.6	848.3
110°	106.7	121.5	144.9	184.2	253.3	354.8	479.2	602.4	710.8	791.2	839.7



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	116.7	131.1	153.6	190.6	253.3	343.9	452.7	565.0	667.9	749.2	806.4
115°	131.8	146.0	167.1	200.2	255.0	332.0	423.8	517.9	606.4	684.5	746.7
117.5°	147.3	161.1	181.1	211.2	258.7	326.2	406.6	487.6	563.8	631.1	688.2
120°	156.9	171.1	191.1	218.5	262.4	323.4	397.0	471.2	539.6	602.4	652.6
122.5°	166.5	180.7	200.7	226.7	265.6	321.2	388.8	458.9	522.3	578.2	625.2
125°	179.7	194.5	213.3	237.9	271.0	318.3	377.6	440.9	499.1	548.8	589.8
127.5°	192.6	207.4	225.5	248.1	277.0	316.9	367.4	422.7	477.0	523.3	561.8
130°	200.8	215.6	233.3	255.0	280.7	316.0	360.5	411.3	461.5	506.0	543.0
132.5°	208.1	222.9	240.6	260.9	284.8	316.0	355.0	399.9	446.9	487.3	523.0
135°	217.3	232.7	250.4	269.2	290.3	316.0	348.5	385.0	424.4	460.9	493.4
137.5°	225.4	241.3	257.4	275.4	295.5	316.7	342.7	372.5	404.3	434.7	462.3
140°	230.5	245.9	262.4	279.5	297.8	317.2	340.0	365.6	392.5	418.7	442.7
142.5°	235.5	250.0	265.6	281.8	299.1	317.6	337.7	359.7	382.4	405.0	425.8
145°	243.0	256.1	271.0	285.2	300.6	317.2	334.3	352.0	369.6	387.3	402.7
147.5°	249.8	261.4	274.4	287.3	301.2	315.7	330.7	344.7	359.0	372.6	384.2
150°	254.4	264.1	276.7	288.6	301.2	314.3	328.0	340.5	353.1	363.9	374.2
152.5°	258.5	267.3	278.9	289.5	300.7	312.5	324.8	336.0	347.2	357.1	365.1
155°	263.5	271.5	281.2	290.3	299.5	309.2	319.4	329.1	338.3	346.2	352.5
157.5°	268.8	274.8	283.2	290.9	298.0	305.7	314.4	322.3	329.8	336.0	340.9
160°	271.5	276.7	284.1	290.9	296.6	303.5	310.3	317.7	323.4	329.1	333.1
162.5°	274.3	278.5	285.0	290.5	295.3	300.7	306.7	312.7	318.0	322.7	326.3
165°	277.2	280.7	285.2	289.8	293.2	296.6	301.2	305.7	309.7	313.2	316.0
167.5°	279.3	281.4	285.2	288.4	290.0	292.6	295.8	299.1	301.8	304.4	306.4
170°	280.7	282.4	285.2	287.5	288.6	290.3	292.6	295.5	297.2	298.9	300.0
172.5°	281.6	282.4	284.8	286.6	286.8	287.6	289.4	291.4	293.1	294.3	295.0
175°	282.4	282.4	284.1	285.2	284.6	284.6	285.2	286.9	286.9	288.1	288.1
177.5°	282.5	282.5	283.4	283.8	282.9	282.9	283.4	283.8	284.3	284.3	284.3
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

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°	17.9	17.5	17.6	18.4	17.6	17.5	17.9	17.0	17.2	16.3	15.3
90°	12.5	12.5	13.1	13.1	13.1	12.5	12.5	12.5	11.4	10.8	10.3
92.5°	39.5	38.1	37.3	36.4	37.3	38.1	39.5	46.8	55.2	73.4	101.1
95°	164.9	147.7	143.2	134.1	143.2	147.7	164.9	205.4	253.3	323.4	410.1
97.5°	379.8	347.8	331.3	324.0	331.3	347.8	379.8	415.0	481.7	550.0	610.8
100°	516.2	475.2	454.1	444.9	454.1	475.2	516.2	555.6	614.9	673.7	701.6
102.5°	639.0	609.8	586.9	580.0	586.9	609.8	639.0	681.1	721.2	749.4	732.2
105°	792.9	774.1	762.7	755.8	762.7	774.1	792.9	811.1	817.4	792.3	714.2
107.5°	857.6	857.5	853.7	849.1	853.7	857.5	857.6	848.3	818.6	754.1	649.8
110°	865.3	876.2	880.2	880.2	880.2	876.2	865.3	839.7	791.2	710.8	602.4



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	843.9	862.5	872.4	876.5	872.4	862.5	843.9	806.4	749.2	667.9	565.0
115°	791.2	818.6	834.5	842.0	834.5	818.6	791.2	746.7	684.5	606.4	517.9
117.5°	732.7	761.0	776.8	781.4	776.8	761.0	732.7	688.2	631.1	563.8	487.6
120°	694.8	722.2	737.6	742.1	737.6	722.2	694.8	652.6	602.4	539.6	471.2
122.5°	662.8	687.9	703.3	707.4	703.3	687.9	662.8	625.2	578.2	522.3	458.9
125°	621.8	645.2	657.7	663.4	657.7	645.2	621.8	589.8	548.8	499.1	440.9
127.5°	590.7	611.4	623.2	625.8	623.2	611.4	590.7	561.8	523.3	477.0	422.7
130°	571.6	590.4	601.8	605.2	601.8	590.4	571.6	543.0	506.0	461.5	411.3
132.5°	551.5	570.3	580.8	584.7	580.8	570.3	551.5	523.0	487.3	446.9	399.9
135°	518.5	537.3	547.6	551.0	547.6	537.3	518.5	493.4	460.9	424.4	385.0
137.5°	484.7	501.9	511.3	515.1	511.3	501.9	484.7	462.3	434.7	404.3	372.5
140°	463.8	478.6	487.1	490.0	487.1	478.6	463.8	442.7	418.7	392.5	365.6
142.5°	443.7	456.2	464.3	466.7	464.3	456.2	443.7	425.8	405.0	382.4	359.7
145°	416.4	426.1	432.4	434.7	432.4	426.1	416.4	402.7	387.3	369.6	352.0
147.5°	395.1	402.8	406.5	407.5	406.5	402.8	395.1	384.2	372.6	359.0	344.7
150°	382.8	389.6	391.9	392.5	391.9	389.6	382.8	374.2	363.9	353.1	340.5
152.5°	372.3	377.7	380.0	380.6	380.0	377.7	372.3	365.1	357.1	347.2	336.0
155°	358.2	362.2	363.9	364.5	363.9	362.2	358.2	352.5	346.2	338.3	329.1
157.5°	345.3	348.6	350.2	350.1	350.2	348.6	345.3	340.9	336.0	329.8	322.3
160°	337.1	340.0	341.1	340.5	341.1	340.0	337.1	333.1	329.1	323.4	317.7
162.5°	329.4	331.8	332.0	331.9	332.0	331.8	329.4	326.3	322.7	318.0	312.7
165°	318.3	319.4	319.4	319.4	319.4	319.4	318.3	316.0	313.2	309.7	305.7
167.5°	307.6	308.6	308.1	308.0	308.1	308.6	307.6	306.4	304.4	301.8	299.1
170°	301.2	301.8	301.8	301.2	301.8	301.8	301.2	300.0	298.9	297.2	295.5
172.5°	295.3	296.3	295.4	294.8	295.4	296.3	295.3	295.0	294.3	293.1	291.4
175°	288.1	288.6	287.5	286.9	287.5	288.6	288.1	288.1	288.1	286.9	286.9
177.5°	283.8	284.3	282.9	282.9	282.9	284.3	283.8	284.3	284.3	284.3	283.8
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

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°	13.6	13.9	12.8	12.7	12.1	12.4	11.3	10.7	10.0	10.2	11.3
90°	9.7	9.1	8.0	7.4	6.3	5.7	4.6	3.4	2.3	1.1	0.6
92.5°	148.9	183.9	186.9	130.2	77.9	46.8	30.1	20.3	13.2	8.4	7.0
95°	494.6	505.4	412.4	255.0	129.5	68.5	42.8	30.2	24.0	19.4	18.8
97.5°	625.8	539.7	368.3	203.5	111.6	71.2	52.7	41.4	35.1	31.9	31.3
100°	657.7	515.1	328.6	184.8	110.7	77.6	60.5	49.6	43.4	41.1	39.9
102.5°	638.5	471.7	298.4	177.1	114.8	85.3	68.7	58.8	52.0	50.2	49.5
105°	577.3	413.6	269.2	174.0	123.2	98.1	82.1	73.0	67.3	64.5	64.5
107.5°	514.8	373.5	256.9	179.2	135.8	111.5	97.1	87.6	82.9	80.2	79.1
110°	479.2	354.8	253.3	184.2	144.9	121.5	106.7	98.1	93.0	90.7	89.6



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.7	343.9	253.3	190.6	153.6	131.1	116.7	108.2	103.0	101.2	100.1
115°	423.8	332.0	255.0	200.2	167.1	146.0	131.8	123.2	118.1	116.4	115.2
117.5°	406.6	326.2	258.7	211.2	181.1	161.1	147.3	137.6	132.5	130.6	128.9
120°	397.0	323.4	262.4	218.5	191.1	171.1	156.9	147.2	142.0	139.8	138.0
122.5°	388.8	321.2	265.6	226.7	200.7	180.7	166.5	155.8	150.7	148.9	147.6
125°	377.6	318.3	271.0	237.9	213.3	194.5	179.7	168.8	163.7	160.9	159.7
127.5°	367.4	316.9	277.0	248.1	225.5	207.4	192.6	181.1	174.6	170.9	169.2
130°	360.5	316.0	280.7	255.0	233.3	215.6	200.8	188.8	181.4	176.8	175.1
132.5°	355.0	316.0	284.8	260.9	240.6	222.9	208.1	195.7	187.3	181.9	179.7
135°	348.5	316.0	290.3	269.2	250.4	232.7	217.3	205.4	196.2	189.4	187.1
137.5°	342.7	316.7	295.5	275.4	257.4	241.3	225.4	213.7	204.6	198.2	196.5
140°	340.0	317.2	297.8	279.5	262.4	245.9	230.5	219.6	210.5	203.6	201.9
142.5°	337.7	317.6	299.1	281.8	265.6	250.0	235.5	225.1	216.0	209.6	208.3
145°	334.3	317.2	300.6	285.2	271.0	256.1	243.0	232.7	224.7	219.0	217.9
147.5°	330.7	315.7	301.2	287.3	274.4	261.4	249.8	240.9	233.5	228.6	227.9
150°	328.0	314.3	301.2	288.6	276.7	264.1	254.4	246.4	239.0	235.0	233.9
152.5°	324.8	312.5	300.7	289.5	278.9	267.3	258.5	251.0	244.5	240.9	240.3
155°	319.4	309.2	299.5	290.3	281.2	271.5	263.5	257.8	252.1	248.7	248.7
157.5°	314.4	305.7	298.0	290.9	283.2	274.8	268.8	263.8	258.9	256.1	256.2
160°	310.3	303.5	296.6	290.9	284.1	276.7	271.5	267.0	263.0	260.7	261.3
162.5°	306.7	300.7	295.3	290.5	285.0	278.5	274.3	270.6	267.1	264.8	265.4
165°	301.2	296.6	293.2	289.8	285.2	280.7	277.2	274.9	272.1	270.4	271.5
167.5°	295.8	292.6	290.0	288.4	285.2	281.4	279.3	277.7	276.1	275.1	275.6
170°	292.6	290.3	288.6	287.5	285.2	282.4	280.7	279.5	278.4	277.8	278.4
172.5°	289.4	287.6	286.8	286.6	284.8	282.4	281.6	280.9	279.7	279.2	280.2
175°	285.2	284.6	284.6	285.2	284.1	282.4	282.4	282.4	281.8	281.2	282.4
177.5°	283.4	282.9	282.9	283.8	283.4	282.5	282.5	282.9	282.5	282.5	283.4
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

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°	11.0	11.7	13.1	15.5	16.9	18.7	19.8	19.0	17.6	16.5	15.3
90°	1.1	2.3	3.4	4.6	5.7	6.3	7.4	8.0	9.1	9.7	10.3
92.5°	8.4	13.2	20.3	30.1	46.8	77.9	130.2	186.9	183.9	148.9	101.1
95°	19.4	24.0	30.2	42.8	68.5	129.5	255.0	412.4	505.4	494.6	410.1
97.5°	31.9	35.1	41.4	52.7	71.2	111.6	203.5	368.3	539.7	625.8	610.8
100°	41.1	43.4	49.6	60.5	77.6	110.7	184.8	328.6	515.1	657.7	701.6
102.5°	50.2	52.0	58.8	68.7	85.3	114.8	177.1	298.4	471.7	638.5	732.2
105°	64.5	67.3	73.0	82.1	98.1	123.2	174.0	269.2	413.6	577.3	714.2
107.5°	80.2	82.9	87.6	97.1	111.5	135.8	179.2	256.9	373.5	514.8	649.8
110°	90.7	93.0	98.1	106.7	121.5	144.9	184.2	253.3	354.8	479.2	602.4



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	101.2	103.0	108.2	116.7	131.1	153.6	190.6	253.3	343.9	452.7	565.0
115°	116.4	118.1	123.2	131.8	146.0	167.1	200.2	255.0	332.0	423.8	517.9
117.5°	130.6	132.5	137.6	147.3	161.1	181.1	211.2	258.7	326.2	406.6	487.6
120°	139.8	142.0	147.2	156.9	171.1	191.1	218.5	262.4	323.4	397.0	471.2
122.5°	148.9	150.7	155.8	166.5	180.7	200.7	226.7	265.6	321.2	388.8	458.9
125°	160.9	163.7	168.8	179.7	194.5	213.3	237.9	271.0	318.3	377.6	440.9
127.5°	170.9	174.6	181.1	192.6	207.4	225.5	248.1	277.0	316.9	367.4	422.7
130°	176.8	181.4	188.8	200.8	215.6	233.3	255.0	280.7	316.0	360.5	411.3
132.5°	181.9	187.3	195.7	208.1	222.9	240.6	260.9	284.8	316.0	355.0	399.9
135°	189.4	196.2	205.4	217.3	232.7	250.4	269.2	290.3	316.0	348.5	385.0
137.5°	198.2	204.6	213.7	225.4	241.3	257.4	275.4	295.5	316.7	342.7	372.5
140°	203.6	210.5	219.6	230.5	245.9	262.4	279.5	297.8	317.2	340.0	365.6
142.5°	209.6	216.0	225.1	235.5	250.0	265.6	281.8	299.1	317.6	337.7	359.7
145°	219.0	224.7	232.7	243.0	256.1	271.0	285.2	300.6	317.2	334.3	352.0
147.5°	228.6	233.5	240.9	249.8	261.4	274.4	287.3	301.2	315.7	330.7	344.7
150°	235.0	239.0	246.4	254.4	264.1	276.7	288.6	301.2	314.3	328.0	340.5
152.5°	240.9	244.5	251.0	258.5	267.3	278.9	289.5	300.7	312.5	324.8	336.0
155°	248.7	252.1	257.8	263.5	271.5	281.2	290.3	299.5	309.2	319.4	329.1
157.5°	256.1	258.9	263.8	268.8	274.8	283.2	290.9	298.0	305.7	314.4	322.3
160°	260.7	263.0	267.0	271.5	276.7	284.1	290.9	296.6	303.5	310.3	317.7
162.5°	264.8	267.1	270.6	274.3	278.5	285.0	290.5	295.3	300.7	306.7	312.7
165°	270.4	272.1	274.9	277.2	280.7	285.2	289.8	293.2	296.6	301.2	305.7
167.5°	275.1	276.1	277.7	279.3	281.4	285.2	288.4	290.0	292.6	295.8	299.1
170°	277.8	278.4	279.5	280.7	282.4	285.2	287.5	288.6	290.3	292.6	295.5
172.5°	279.2	279.7	280.9	281.6	282.4	284.8	286.6	286.8	287.6	289.4	291.4
175°	281.2	281.8	282.4	282.4	282.4	284.1	285.2	284.6	284.6	285.2	286.9
177.5°	282.5	282.5	282.9	282.5	282.5	283.4	283.8	282.9	282.9	283.4	283.8
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333216

CATALOG NUMBER: S125DIP-S850D590U835-4F0-1E-UDD-A4

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°	15.5	13.9	14.1	13.7	13.7	13.4	12.6
90°	10.8	11.4	12.5	12.5	12.5	13.1	13.1
92.5°	73.4	55.2	46.8	39.5	38.1	37.3	36.4
95°	323.4	253.3	205.4	164.9	147.7	143.2	134.1
97.5°	550.0	481.7	415.0	379.8	347.8	331.3	324.0
100°	673.7	614.9	555.6	516.2	475.2	454.1	444.9
102.5°	749.4	721.2	681.1	639.0	609.8	586.9	580.0
105°	792.3	817.4	811.1	792.9	774.1	762.7	755.8
107.5°	754.1	818.6	848.3	857.6	857.5	853.7	849.1
110°	710.8	791.2	839.7	865.3	876.2	880.2	880.2



TEST NUMBER: P333216

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	667.9	749.2	806.4	843.9	862.5	872.4	876.5
115°	606.4	684.5	746.7	791.2	818.6	834.5	842.0
117.5°	563.8	631.1	688.2	732.7	761.0	776.8	781.4
120°	539.6	602.4	652.6	694.8	722.2	737.6	742.1
122.5°	522.3	578.2	625.2	662.8	687.9	703.3	707.4
125°	499.1	548.8	589.8	621.8	645.2	657.7	663.4
127.5°	477.0	523.3	561.8	590.7	611.4	623.2	625.8
130°	461.5	506.0	543.0	571.6	590.4	601.8	605.2
132.5°	446.9	487.3	523.0	551.5	570.3	580.8	584.7
135°	424.4	460.9	493.4	518.5	537.3	547.6	551.0
137.5°	404.3	434.7	462.3	484.7	501.9	511.3	515.1
140°	392.5	418.7	442.7	463.8	478.6	487.1	490.0
142.5°	382.4	405.0	425.8	443.7	456.2	464.3	466.7
145°	369.6	387.3	402.7	416.4	426.1	432.4	434.7
147.5°	359.0	372.6	384.2	395.1	402.8	406.5	407.5
150°	353.1	363.9	374.2	382.8	389.6	391.9	392.5
152.5°	347.2	357.1	365.1	372.3	377.7	380.0	380.6
155°	338.3	346.2	352.5	358.2	362.2	363.9	364.5
157.5°	329.8	336.0	340.9	345.3	348.6	350.2	350.1
160°	323.4	329.1	333.1	337.1	340.0	341.1	340.5
162.5°	318.0	322.7	326.3	329.4	331.8	332.0	331.9
165°	309.7	313.2	316.0	318.3	319.4	319.4	319.4
167.5°	301.8	304.4	306.4	307.6	308.6	308.1	308.0
170°	297.2	298.9	300.0	301.2	301.8	301.8	301.2
172.5°	293.1	294.3	295.0	295.3	296.3	295.4	294.8
175°	286.9	288.1	288.1	288.1	288.6	287.5	286.9
177.5°	284.3	284.3	284.3	283.8	284.3	282.9	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9

(END OF REPORT)