

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: P332011-935

Luminaire Tested: **S123DIP-S1000D585U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332011-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D585U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

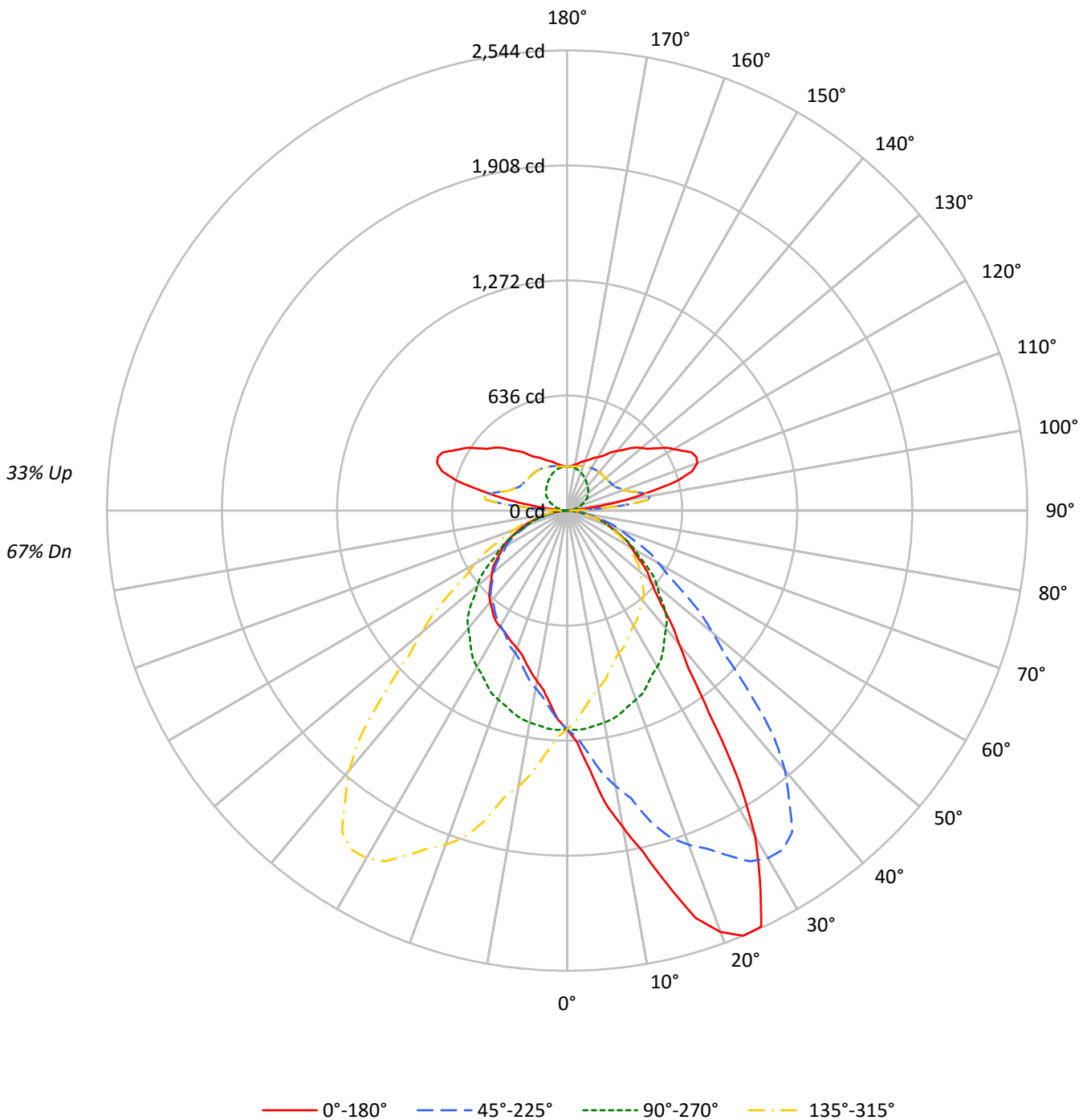
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	71	71	71	67
1	102	98	94	90	96	92	89	86	82	79	77	72	71	69	64	62	61	57
2	93	86	80	74	87	81	76	71	72	68	64	64	61	58	57	54	52	48
3	85	76	68	62	80	72	65	60	64	59	54	57	53	49	50	47	45	41
4	78	67	59	53	73	64	56	51	57	51	47	51	46	43	45	42	39	36
5	72	60	52	46	67	57	50	44	51	45	41	46	41	37	41	37	34	31
6	66	54	46	40	62	51	44	38	46	40	36	42	37	33	37	33	30	27
7	61	49	41	35	58	47	39	34	42	36	31	38	33	29	34	30	27	24
8	57	45	37	31	54	42	35	30	38	32	28	35	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	29	25	22	20
10	50	37	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13017	13017	13017	13017
5°	15524	13073	11585	13073
10°	19429	13007	10463	13007
15°	23832	12902	9742	12902
20°	28389	12739	9275	12739
25°	30144	12539	9171	12539
30°	25838	12394	9220	12394
35°	17969	12188	9315	12188
40°	13534	11946	9286	11946
45°	11237	11586	9168	11586
50°	10068	10851	9085	10851
55°	9411	10061	8972	10061
60°	8829	9233	8880	9233
65°	8298	8418	8596	8418
70°	7783	7487	8186	7487
75°	6970	6554	7507	6554
80°	6100	5374	6465	5374
85°	4780	3903	4335	3903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	2.2
10°-20°	382.0	7.0
20°-30°	641.1	11.7
30°-40°	725.9	13.3
40°-50°	651.0	11.9
50°-60°	525.3	9.6
60°-70°	366.1	6.7
70°-80°	192.4	3.5
80°-90°	48.9	0.9
90°-100°	135.0	2.5
100°-110°	382.3	7.0
110°-120°	376.1	6.9
120°-130°	300.0	5.5
130°-140°	236.5	4.3
140°-150°	176.5	3.2
150°-160°	123.0	2.2
160°-170°	72.3	1.3
170°-180°	23.5	0.4
0°-30°	1142.2	20.9
0°-40°	1868.1	34.1
0°-60°	3044.4	55.6
0°-90°	3651.8	66.7
90°-120°	893.4	16.3
90°-150°	1606.4	29.3
90°-180°	1825.0	33.3
0°-180°	5477.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1209	1209	1209	1209	1209	
5°	1437	1210	1072	1210	1437	149
15°	2139	1158	874	1158	2139	617
25°	2538	1056	772	1056	2538	1113
35°	1368	928	709	928	1368	888
45°	738	761	602	761	738	584
55°	502	536	478	536	502	450
65°	326	330	338	330	326	324
75°	168	158	180	158	168	179
85°	39	32	35	32	39	46
90°	14	1	14	1	14	9
95°	57	17	57	17	57	103
105°	625	57	625	57	625	616
115°	760	101	760	101	760	738
125°	599	140	599	140	599	543
135°	486	164	486	164	486	377
145°	380	187	380	187	380	241
155°	315	213	315	213	315	147
165°	274	232	274	232	274	78
175°	247	242	247	242	247	24
180°	243	243	243	243	243	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1283.3	1282.5	1280.0	1281.9	1278.2	1273.1	1272.6	1267.9	1254.3	1253.4	1249.7
5°	1436.7	1431.9	1431.3	1430.8	1422.5	1411.4	1390.3	1388.6	1360.5	1346.4	1329.4
7.5°	1635.1	1637.6	1629.0	1621.5	1596.5	1579.9	1557.3	1528.4	1493.8	1458.8	1435.5
10°	1777.6	1797.0	1773.0	1756.5	1741.3	1712.6	1679.2	1637.6	1596.0	1547.4	1510.5
12.5°	1930.4	1939.9	1935.1	1919.7	1896.0	1852.3	1793.1	1747.3	1709.0	1628.0	1595.3
15°	2138.6	2174.3	2151.5	2098.7	2099.9	2058.3	1980.9	1896.0	1850.9	1779.9	1683.3
17.5°	2360.3	2364.7	2355.0	2311.0	2281.7	2224.6	2153.2	2071.7	1980.4	1894.5	1792.1
20°	2478.4	2474.9	2454.4	2431.5	2381.1	2336.6	2258.7	2167.8	2050.6	1966.3	1854.4
22.5°	2544.0	2538.1	2528.4	2509.3	2467.4	2419.6	2349.6	2250.3	2138.8	2022.6	1893.3
25°	2538.1	2545.7	2546.9	2541.7	2527.0	2498.3	2443.2	2364.1	2252.8	2103.4	1968.7
27.5°	2308.4	2319.3	2350.5	2378.3	2409.3	2441.0	2436.8	2397.5	2315.1	2186.1	2021.4
30°	2078.8	2055.4	2113.3	2186.6	2236.4	2324.3	2373.5	2376.4	2330.1	2219.4	2058.8
32.5°	1760.1	1785.8	1811.5	1901.6	2010.4	2109.1	2207.1	2286.0	2295.0	2221.3	2080.9
35°	1367.5	1399.7	1446.6	1493.5	1610.7	1711.4	1883.7	2033.7	2153.2	2169.0	2082.8
37.5°	1102.0	1117.9	1147.5	1194.6	1271.2	1390.7	1524.0	1713.6	1886.7	2015.5	2021.1
40°	963.2	967.9	1001.3	1037.1	1099.2	1197.6	1317.7	1485.2	1692.6	1872.6	1947.6
42.5°	859.2	869.4	883.6	918.0	967.4	1041.5	1153.1	1291.7	1481.8	1688.8	1835.5
45°	738.2	749.9	758.7	781.6	816.7	866.5	944.5	1071.0	1215.7	1429.6	1627.0
47.5°	658.3	659.3	665.8	683.0	707.0	744.3	799.4	880.7	1013.6	1187.1	1389.7
50°	601.2	610.5	612.9	626.3	645.1	672.6	718.3	787.5	896.5	1048.8	1235.1
52.5°	560.9	563.6	570.2	580.0	596.3	617.8	657.4	711.5	797.0	926.9	1098.2
55°	501.5	501.5	508.0	515.6	525.0	544.3	570.7	610.5	675.5	776.4	918.1
57.5°	446.7	449.6	454.2	456.5	464.5	477.3	499.3	529.5	578.1	655.7	768.4
60°	410.1	415.4	414.8	419.5	426.5	436.5	455.2	479.8	523.2	585.3	680.3
62.5°	378.2	377.9	377.8	383.4	390.5	399.9	412.2	433.4	470.3	525.3	606.1
65°	325.8	324.6	328.7	332.2	334.6	341.6	350.9	369.7	394.3	435.3	498.0
67.5°	279.1	275.7	277.9	279.1	283.1	288.6	297.4	309.0	328.6	361.5	408.7
70°	247.3	244.4	243.7	244.9	248.4	252.5	259.0	270.1	288.3	314.6	349.2
72.5°	214.5	212.4	212.3	214.9	216.5	219.2	223.8	234.0	248.4	268.2	300.5
75°	167.6	167.6	167.6	168.2	169.9	172.3	175.7	181.1	192.2	206.2	227.9
77.5°	125.6	125.5	124.8	124.7	127.3	128.3	129.2	134.1	140.3	149.7	165.6
80°	98.4	95.5	96.7	98.4	99.6	100.2	101.9	103.1	108.4	113.7	124.8
82.5°	73.1	70.7	70.9	73.6	73.8	74.4	76.2	77.8	79.8	84.6	90.6
85°	38.7	38.7	39.3	39.3	39.9	39.3	41.0	41.6	41.6	44.5	48.0
87.5°	16.9	16.1	16.4	16.8	16.4	16.7	17.0	17.5	17.8	18.4	18.6
90°	14.2	14.7	14.2	13.8	14.2	13.3	12.7	12.3	11.8	12.3	10.8
92.5°	23.7	24.5	24.0	25.6	26.4	29.0	32.8	41.3	57.0	75.5	83.1
95°	57.0	58.9	62.3	66.8	76.1	93.8	119.9	176.8	236.2	291.2	259.3
97.5°	155.1	159.3	172.5	194.7	230.9	289.6	353.0	440.7	482.8	451.3	330.4
100°	307.9	307.5	326.6	362.4	412.0	481.7	539.2	579.0	561.8	465.0	314.3
102.5°	451.7	463.0	479.0	507.4	546.0	590.2	623.7	625.0	565.8	439.5	290.8
105°	624.7	627.2	642.8	661.5	684.1	696.9	687.5	638.4	535.8	394.9	261.7
107.5°	724.3	728.8	734.1	740.4	739.9	722.5	679.5	599.7	483.4	355.3	243.3
110°	765.1	766.1	767.1	763.2	749.4	715.1	653.2	562.7	450.3	332.9	236.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	773.4	773.2	769.5	757.2	732.1	687.9	618.5	526.2	421.6	318.1	232.3
115°	759.7	757.2	747.4	725.8	689.0	635.5	563.3	477.9	387.0	302.0	230.8
117.5°	716.3	713.0	698.8	674.1	635.7	581.3	516.5	442.7	366.1	292.6	231.7
120°	680.2	677.2	665.5	637.9	599.2	549.5	490.6	424.3	355.1	288.3	233.2
122.5°	646.4	642.7	629.6	604.9	570.4	524.3	469.8	409.7	346.0	285.5	236.0
125°	599.2	595.7	583.4	561.8	530.4	491.1	443.9	390.4	334.4	281.9	240.1
127.5°	560.3	557.1	546.0	527.5	499.6	463.8	421.3	373.5	324.3	280.1	244.9
130°	538.2	534.3	524.0	506.4	480.3	446.9	407.1	362.9	318.7	279.0	248.0
132.5°	516.6	513.8	504.7	487.1	462.6	430.8	393.7	353.1	313.6	278.5	250.4
135°	485.7	482.2	473.4	458.7	434.6	406.7	374.7	339.8	306.9	277.9	253.9
137.5°	453.0	450.7	443.2	428.3	408.1	383.8	356.4	327.8	301.2	276.9	256.2
140°	430.2	430.7	422.8	409.1	390.4	369.3	345.7	320.7	297.6	276.5	257.8
142.5°	409.0	409.5	402.4	390.2	374.3	355.9	335.5	314.0	294.5	275.7	259.0
145°	379.6	378.7	374.7	364.4	352.1	337.9	322.2	305.9	290.2	274.5	259.8
147.5°	355.4	355.1	351.3	344.3	335.0	324.9	312.2	299.4	286.1	272.7	259.8
150°	341.3	341.3	338.4	332.9	325.6	316.2	305.9	294.6	283.4	271.0	259.8
152.5°	329.5	329.5	327.8	322.7	316.9	309.2	300.1	290.3	280.3	269.1	258.6
155°	314.8	314.3	313.3	309.4	305.0	299.1	291.7	283.9	275.5	265.7	257.4
157.5°	301.4	301.4	300.7	297.7	293.9	289.3	283.5	277.0	270.2	262.6	255.6
160°	292.7	293.2	293.2	290.2	286.8	283.4	278.4	273.0	266.7	260.3	254.9
162.5°	284.8	285.3	285.3	282.8	280.5	277.5	272.9	268.4	263.1	258.0	253.3
165°	274.5	274.5	275.0	273.0	271.0	268.6	265.2	262.3	258.3	254.4	251.0
167.5°	264.7	264.7	265.2	263.8	262.9	261.1	259.2	256.9	253.7	250.8	248.6
170°	258.8	258.8	259.3	258.3	257.8	256.8	254.9	253.4	251.0	248.5	247.0
172.5°	253.3	253.7	254.6	253.6	253.5	252.9	251.3	250.3	248.2	246.5	245.8
175°	247.0	247.5	248.0	247.5	247.5	247.5	246.5	246.1	245.0	244.1	244.1
177.5°	243.4	243.4	244.2	243.7	244.2	244.2	243.7	243.4	243.0	242.6	243.0
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1246.8	1243.0	1239.3	1232.8	1227.1	1219.2	1216.8	1214.0	1205.6	1198.1	1192.4
5°	1322.9	1308.9	1288.4	1269.6	1254.4	1233.9	1222.2	1209.9	1192.3	1176.5	1163.6
7.5°	1402.7	1375.0	1343.2	1308.6	1276.6	1245.6	1220.6	1198.4	1173.8	1150.5	1132.3
10°	1465.9	1426.1	1381.6	1333.5	1292.5	1252.7	1219.3	1190.0	1158.3	1130.8	1107.9
12.5°	1538.1	1479.0	1417.6	1359.3	1310.8	1255.5	1215.0	1177.8	1141.9	1108.8	1083.1
15°	1623.5	1548.5	1475.9	1395.6	1321.8	1252.7	1204.6	1157.8	1116.1	1082.2	1049.4
17.5°	1701.3	1616.4	1520.6	1423.1	1333.9	1252.0	1184.7	1131.7	1079.7	1038.1	1005.4
20°	1745.4	1648.7	1540.3	1439.0	1340.6	1249.1	1175.4	1112.1	1055.8	1011.8	974.9
22.5°	1783.4	1670.3	1558.2	1449.8	1340.1	1241.6	1158.0	1092.9	1031.9	988.9	949.6
25°	1822.7	1687.4	1574.9	1447.8	1325.3	1223.4	1129.6	1055.8	994.9	944.5	904.0
27.5°	1856.5	1686.3	1552.7	1416.0	1302.1	1199.9	1099.8	1020.6	956.0	901.2	860.2
30°	1879.0	1688.6	1529.8	1394.5	1279.6	1174.1	1076.9	997.2	929.3	873.6	834.9
32.5°	1893.1	1687.1	1508.7	1364.4	1244.0	1150.7	1052.1	969.6	899.7	845.0	807.7
35°	1901.3	1676.9	1472.4	1302.4	1186.5	1095.6	1013.1	927.5	854.3	803.3	761.1
37.5°	1884.8	1655.2	1430.2	1242.7	1115.7	1026.2	956.7	883.9	813.8	757.7	721.3
40°	1859.1	1641.2	1397.4	1200.5	1067.0	980.8	921.6	850.2	781.0	727.7	693.7
42.5°	1809.8	1612.5	1361.3	1153.7	1016.3	930.1	875.7	816.0	750.5	700.5	666.5
45°	1689.7	1550.3	1307.2	1083.3	941.5	852.5	804.4	761.1	701.9	653.2	624.0
47.5°	1523.1	1456.6	1228.9	1009.2	863.5	777.8	727.9	693.0	649.8	610.5	582.4
50°	1407.3	1379.8	1175.9	958.6	811.5	727.7	679.7	648.0	617.0	577.7	551.9
52.5°	1273.8	1290.7	1114.0	906.0	758.5	676.1	630.9	605.8	577.6	545.4	522.9
55°	1085.7	1147.2	1007.2	817.9	679.7	601.2	558.4	536.1	519.7	495.7	476.3
57.5°	909.6	987.8	891.7	727.1	602.2	534.4	493.4	469.2	458.7	446.1	430.8
60°	805.0	882.4	809.2	666.2	550.2	485.7	449.4	428.9	418.4	409.6	396.7
62.5°	711.8	790.1	728.5	604.3	499.0	439.3	407.7	387.6	379.4	374.9	363.9
65°	583.6	650.9	609.9	508.0	425.9	373.2	344.5	330.5	322.9	321.1	314.0
67.5°	474.9	526.2	496.4	421.4	356.8	311.3	286.9	274.9	269.1	268.5	263.2
70°	403.7	451.8	428.9	360.9	305.2	269.5	248.4	237.9	234.4	233.8	230.8
72.5°	348.4	381.9	363.7	307.0	264.0	231.5	216.1	205.1	201.0	201.9	199.9
75°	257.8	283.0	272.4	233.2	198.6	177.5	164.6	157.6	154.1	155.8	153.5
77.5°	185.5	201.5	191.9	164.8	143.4	128.2	118.7	114.3	111.2	111.1	110.0
80°	140.0	149.4	144.1	127.7	110.1	97.3	89.6	86.7	85.0	84.4	83.8
82.5°	99.7	107.7	101.5	90.2	78.3	70.5	66.2	62.3	61.0	61.4	60.8
85°	50.4	53.3	51.0	43.9	39.3	35.7	33.4	31.6	30.5	31.1	29.9
87.5°	19.2	19.4	17.7	15.6	14.5	12.7	12.6	11.5	10.7	10.9	10.8
90°	9.3	7.8	6.4	5.4	4.4	2.9	2.0	0.9	2.0	2.9	4.4
92.5°	62.3	41.2	28.4	21.1	17.0	13.2	9.0	6.1	9.0	13.2	17.0
95°	178.7	105.6	63.8	44.7	31.9	23.6	18.2	16.7	18.2	23.6	31.9
97.5°	196.1	113.7	73.8	53.0	40.5	33.2	29.0	28.5	29.0	33.2	40.5
100°	185.1	112.4	78.1	58.9	47.2	40.3	36.9	36.3	36.9	40.3	47.2
102.5°	175.7	114.0	83.2	65.6	55.0	48.6	45.5	44.6	45.5	48.6	55.0
105°	168.9	118.4	91.9	76.6	67.2	61.4	58.5	57.0	58.5	61.4	67.2
107.5°	168.4	126.4	103.1	89.0	80.2	74.5	71.6	70.1	71.6	74.5	80.2
110°	170.4	133.1	111.0	97.2	88.9	83.5	81.0	79.6	81.0	83.5	88.9



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	174.4	139.7	119.2	105.9	97.6	92.1	89.7	88.2	89.7	92.1	97.6
115°	180.7	150.8	132.1	118.8	110.5	105.6	102.6	100.7	102.6	105.6	110.5
117.5°	189.2	162.5	144.0	131.7	122.3	117.9	115.4	113.1	115.4	117.9	122.3
120°	195.4	169.9	152.2	140.0	130.6	125.7	123.3	121.8	123.3	125.7	130.6
122.5°	201.4	177.8	160.5	147.4	138.4	133.2	130.7	129.2	130.7	133.2	138.4
125°	210.7	189.1	171.9	158.6	149.3	143.9	140.9	140.0	140.9	143.9	149.3
127.5°	218.3	198.9	182.3	169.0	158.7	153.3	149.6	148.1	149.6	153.3	158.7
130°	223.4	204.7	188.6	175.3	165.0	159.1	154.7	153.3	154.7	159.1	165.0
132.5°	228.2	209.9	194.1	181.2	170.9	163.8	159.0	157.1	159.0	163.8	170.9
135°	234.3	217.6	202.3	189.1	178.7	171.4	166.0	164.0	166.0	171.4	178.7
137.5°	238.8	222.8	208.2	196.0	185.7	177.9	172.5	170.5	172.5	177.9	185.7
140°	241.2	226.4	212.2	199.8	190.0	182.2	177.3	174.9	177.3	182.2	190.0
142.5°	243.5	229.1	215.3	203.8	194.0	186.9	181.6	179.5	181.6	186.9	194.0
145°	246.1	232.8	220.0	208.7	200.4	193.0	188.6	187.1	188.6	193.0	200.4
147.5°	247.6	235.7	224.0	214.4	206.4	200.0	195.6	194.8	195.6	200.0	206.4
150°	248.0	237.7	226.4	217.6	210.7	204.3	200.4	199.8	200.4	204.3	210.7
152.5°	248.8	238.8	229.1	220.7	214.6	209.1	205.1	205.0	205.1	209.1	214.6
155°	249.0	241.2	232.8	225.9	220.5	215.6	212.7	212.7	212.7	215.6	220.5
157.5°	249.5	242.4	235.7	230.4	225.8	221.4	219.1	218.7	219.1	221.4	225.8
160°	249.5	243.6	237.7	232.8	229.4	225.4	223.4	223.4	223.4	225.4	229.4
162.5°	249.1	244.0	238.8	234.7	231.7	228.6	227.0	227.0	227.0	228.6	231.7
165°	248.0	244.5	240.6	237.2	235.2	232.8	231.8	232.3	231.8	232.8	235.2
167.5°	247.2	244.4	241.6	239.4	238.1	236.2	235.7	236.3	235.7	236.2	238.1
170°	246.1	244.1	241.6	240.6	239.6	238.2	237.7	238.7	237.7	238.2	239.6
172.5°	245.6	244.1	242.0	241.4	240.8	239.8	239.6	240.2	239.6	239.8	240.8
175°	244.5	243.6	242.6	242.1	242.1	241.2	241.6	242.1	241.6	241.2	242.1
177.5°	243.7	243.0	242.6	242.6	242.6	242.2	242.6	243.0	242.6	242.2	242.6
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1189.1	1185.9	1181.2	1174.1	1168.5	1159.6	1159.6	1161.1	1161.1	1160.5	1159.6
5°	1153.1	1144.3	1133.8	1121.5	1108.5	1095.6	1093.3	1088.6	1085.1	1082.7	1079.8
7.5°	1115.0	1099.4	1084.0	1066.8	1051.1	1038.1	1029.1	1021.6	1016.8	1011.6	1007.9
10°	1089.2	1069.9	1051.7	1033.5	1013.6	997.8	987.8	980.8	975.5	970.9	968.5
12.5°	1058.7	1036.6	1016.6	999.3	977.5	961.2	951.7	948.5	942.3	932.4	927.2
15°	1014.2	993.7	969.7	943.3	932.7	912.8	901.7	896.5	892.9	885.3	883.0
17.5°	976.1	949.3	922.3	902.7	883.0	866.9	860.7	854.1	849.5	843.3	841.4
20°	945.6	921.6	897.0	875.9	855.4	837.8	832.6	827.9	823.2	820.3	817.9
22.5°	914.7	890.7	870.3	850.6	828.7	817.2	811.5	806.3	803.1	801.1	798.7
25°	871.2	850.2	827.3	809.7	792.1	784.5	781.0	778.1	775.8	772.8	772.2
27.5°	832.3	809.3	790.8	774.5	761.8	755.4	752.1	750.6	751.1	752.2	752.9
30°	803.3	782.2	767.0	752.9	741.1	735.3	734.7	734.7	737.1	737.6	738.8
32.5°	776.5	759.2	744.0	730.4	721.5	717.5	719.7	719.7	721.6	723.2	725.2
35°	737.6	722.4	710.7	699.0	691.4	693.1	694.3	695.4	698.4	701.9	704.3
37.5°	700.5	687.3	675.1	665.9	662.5	665.6	668.4	670.9	674.2	676.9	679.3
40°	673.8	663.8	652.1	643.9	645.1	646.9	649.2	652.1	655.0	656.8	659.2
42.5°	648.9	638.5	629.6	622.8	624.5	626.7	628.1	629.6	633.0	636.2	637.6
45°	611.1	602.9	594.7	590.6	591.8	593.0	594.1	595.9	598.8	601.2	601.8
47.5°	568.5	562.8	557.3	553.4	555.2	554.7	556.3	560.0	560.9	562.3	565.6
50°	541.4	536.1	529.7	528.5	528.5	528.5	529.1	533.7	533.7	536.1	538.5
52.5°	511.3	508.0	503.9	501.8	500.8	500.8	503.3	505.7	506.6	509.9	512.2
55°	467.0	463.5	459.9	458.1	457.0	458.1	462.9	464.0	467.0	468.7	470.5
57.5°	420.7	418.0	415.2	414.2	414.0	415.5	418.1	421.6	422.3	427.7	430.4
60°	390.2	386.1	383.7	383.7	382.6	387.9	386.7	392.5	393.7	397.3	401.3
62.5°	358.8	353.3	352.3	352.3	354.0	355.5	357.1	359.7	362.8	367.2	370.4
65°	308.2	305.2	309.4	308.8	307.6	311.1	311.1	314.0	317.5	321.7	328.1
67.5°	260.3	258.7	259.1	259.1	260.9	262.9	264.5	267.1	271.3	275.6	279.8
70°	227.9	229.7	226.8	229.1	230.8	231.4	232.6	236.1	240.8	243.7	248.4
72.5°	196.5	196.4	196.7	197.7	199.4	200.5	201.6	205.7	210.8	213.3	217.1
75°	151.2	150.6	152.3	152.3	155.2	156.4	157.6	159.4	164.0	167.6	170.5
77.5°	110.4	111.1	110.7	112.7	111.9	112.1	115.8	117.5	118.0	124.9	126.5
80°	83.2	84.4	85.0	85.6	86.1	85.0	89.0	90.8	90.8	94.9	97.8
82.5°	59.8	60.4	62.0	62.6	62.7	63.9	64.2	65.5	66.9	68.7	72.5
85°	29.9	31.6	32.2	31.6	32.2	31.1	32.8	33.4	34.0	34.0	34.0
87.5°	10.4	11.1	10.9	11.7	11.5	12.3	12.2	11.4	11.5	13.0	11.3
90°	5.4	6.4	7.8	9.3	10.8	12.3	11.8	12.3	12.7	13.3	14.2
92.5°	21.1	28.4	41.2	62.3	83.1	75.5	57.0	41.3	32.8	29.0	26.4
95°	44.7	63.8	105.6	178.7	259.3	291.2	236.2	176.8	119.9	93.8	76.1
97.5°	53.0	73.8	113.7	196.1	330.4	451.3	482.8	440.7	353.0	289.6	230.9
100°	58.9	78.1	112.4	185.1	314.3	465.0	561.8	579.0	539.2	481.7	412.0
102.5°	65.6	83.2	114.0	175.7	290.8	439.5	565.8	625.0	623.7	590.2	546.0
105°	76.6	91.9	118.4	168.9	261.7	394.9	535.8	638.4	687.5	696.9	684.1
107.5°	89.0	103.1	126.4	168.4	243.3	355.3	483.4	599.7	679.5	722.5	739.9
110°	97.2	111.0	133.1	170.4	236.2	332.9	450.3	562.7	653.2	715.1	749.4



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	105.9	119.2	139.7	174.4	232.3	318.1	421.6	526.2	618.5	687.9	732.1
115°	118.8	132.1	150.8	180.7	230.8	302.0	387.0	477.9	563.3	635.5	689.0
117.5°	131.7	144.0	162.5	189.2	231.7	292.6	366.1	442.7	516.5	581.3	635.7
120°	140.0	152.2	169.9	195.4	233.2	288.3	355.1	424.3	490.6	549.5	599.2
122.5°	147.4	160.5	177.8	201.4	236.0	285.5	346.0	409.7	469.8	524.3	570.4
125°	158.6	171.9	189.1	210.7	240.1	281.9	334.4	390.4	443.9	491.1	530.4
127.5°	169.0	182.3	198.9	218.3	244.9	280.1	324.3	373.5	421.3	463.8	499.6
130°	175.3	188.6	204.7	223.4	248.0	279.0	318.7	362.9	407.1	446.9	480.3
132.5°	181.2	194.1	209.9	228.2	250.4	278.5	313.6	353.1	393.7	430.8	462.6
135°	189.1	202.3	217.6	234.3	253.9	277.9	306.9	339.8	374.7	406.7	434.6
137.5°	196.0	208.2	222.8	238.8	256.2	276.9	301.2	327.8	356.4	383.8	408.1
140°	199.8	212.2	226.4	241.2	257.8	276.5	297.6	320.7	345.7	369.3	390.4
142.5°	203.8	215.3	229.1	243.5	259.0	275.7	294.5	314.0	335.5	355.9	374.3
145°	208.7	220.0	232.8	246.1	259.8	274.5	290.2	305.9	322.2	337.9	352.1
147.5°	214.4	224.0	235.7	247.6	259.8	272.7	286.1	299.4	312.2	324.9	335.0
150°	217.6	226.4	237.7	248.0	259.8	271.0	283.4	294.6	305.9	316.2	325.6
152.5°	220.7	229.1	238.8	248.8	258.6	269.1	280.3	290.3	300.1	309.2	316.9
155°	225.9	232.8	241.2	249.0	257.4	265.7	275.5	283.9	291.7	299.1	305.0
157.5°	230.4	235.7	242.4	249.5	255.6	262.6	270.2	277.0	283.5	289.3	293.9
160°	232.8	237.7	243.6	249.5	254.9	260.3	266.7	273.0	278.4	283.4	286.8
162.5°	234.7	238.8	244.0	249.1	253.3	258.0	263.1	268.4	272.9	277.5	280.5
165°	237.2	240.6	244.5	248.0	251.0	254.4	258.3	262.3	265.2	268.6	271.0
167.5°	239.4	241.6	244.4	247.2	248.6	250.8	253.7	256.9	259.2	261.1	262.9
170°	240.6	241.6	244.1	246.1	247.0	248.5	251.0	253.4	254.9	256.8	257.8
172.5°	241.4	242.0	244.1	245.6	245.8	246.5	248.2	250.3	251.3	252.9	253.5
175°	242.1	242.6	243.6	244.5	244.1	244.1	245.0	246.1	246.5	247.5	247.5
177.5°	242.6	242.6	243.0	243.7	243.0	242.6	243.0	243.4	243.7	244.2	244.2
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1156.3	1155.9	1159.2	1156.8	1159.2	1155.9	1156.3	1159.6	1160.5	1161.1	1161.1
5°	1076.3	1078.1	1072.2	1072.2	1072.2	1078.1	1076.3	1079.8	1082.7	1085.1	1088.6
7.5°	1005.0	1002.5	1002.7	999.5	1002.7	1002.5	1005.0	1007.9	1011.6	1016.8	1021.6
10°	961.5	957.9	956.7	957.3	956.7	957.9	961.5	968.5	970.9	975.5	980.8
12.5°	925.4	924.7	917.0	917.1	917.0	924.7	925.4	927.2	932.4	942.3	948.5
15°	883.0	871.8	870.6	874.2	870.6	871.8	883.0	883.0	885.3	892.9	896.5
17.5°	840.4	834.6	834.9	833.2	834.9	834.6	840.4	841.4	843.3	849.5	854.1
20°	817.9	814.4	813.8	809.7	813.8	814.4	817.9	817.9	820.3	823.2	827.9
22.5°	797.3	796.2	796.5	791.9	796.5	796.2	797.3	798.7	801.1	803.1	806.3
25°	771.6	774.6	772.2	772.2	772.2	774.6	771.6	772.2	772.8	775.8	778.1
27.5°	754.3	754.1	753.0	753.0	753.0	754.1	754.3	752.9	752.2	751.1	750.6
30°	741.1	740.5	741.8	741.8	741.8	740.5	741.1	738.8	737.6	737.1	734.7
32.5°	728.1	728.8	729.1	729.5	729.1	728.8	728.1	725.2	723.2	721.6	719.7
35°	707.7	708.3	710.2	708.9	710.2	708.3	707.7	704.3	701.9	698.4	695.4
37.5°	680.4	683.0	682.4	683.4	682.4	683.0	680.4	679.3	676.9	674.2	670.9
40°	659.7	661.5	660.9	660.9	660.9	661.5	659.7	659.2	656.8	655.0	652.1
42.5°	638.6	639.9	638.4	637.5	638.4	639.9	638.6	637.6	636.2	633.0	629.6
45°	604.1	602.9	604.7	602.3	604.7	602.9	604.1	601.8	601.2	598.8	595.9
47.5°	565.4	566.5	567.1	568.8	567.1	566.5	565.4	565.6	562.3	560.9	560.0
50°	539.6	543.1	543.1	542.5	543.1	543.1	539.6	538.5	536.1	533.7	533.7
52.5°	514.3	515.9	518.3	518.1	518.3	515.9	514.3	512.2	509.9	506.6	505.7
55°	475.2	476.3	477.5	478.1	477.5	476.3	475.2	470.5	468.7	467.0	464.0
57.5°	434.6	434.1	437.0	437.8	437.0	434.1	434.6	430.4	427.7	422.3	421.6
60°	406.0	406.0	410.7	412.5	410.7	406.0	406.0	401.3	397.3	393.7	392.5
62.5°	375.6	377.5	382.1	379.7	382.1	377.5	375.6	370.4	367.2	362.8	359.7
65°	331.1	335.7	335.1	337.5	335.1	335.7	331.1	328.1	321.7	317.5	314.0
67.5°	284.5	287.4	291.6	292.1	291.6	287.4	284.5	279.8	275.6	271.3	267.1
70°	253.1	256.1	258.4	260.1	258.4	256.1	253.1	248.4	243.7	240.8	236.1
72.5°	222.7	224.2	229.8	227.3	229.8	224.2	222.7	217.1	213.3	210.8	205.7
75°	174.6	178.7	182.2	180.5	182.2	178.7	174.6	170.5	167.6	164.0	159.4
77.5°	129.2	133.2	134.8	133.4	134.8	133.2	129.2	126.5	124.9	118.0	117.5
80°	101.9	101.3	104.9	104.3	104.9	101.3	101.9	97.8	94.9	90.8	90.8
82.5°	74.7	74.2	75.9	76.2	75.9	74.2	74.7	72.5	68.7	66.9	65.5
85°	36.3	38.1	35.7	35.1	35.7	38.1	36.3	34.0	34.0	34.0	33.4
87.5°	11.2	11.3	10.9	10.3	10.9	11.3	11.2	11.3	13.0	11.5	11.4
90°	13.8	14.2	14.7	14.2	14.7	14.2	13.8	14.2	13.3	12.7	12.3
92.5°	25.6	24.0	24.5	23.7	24.5	24.0	25.6	26.4	29.0	32.8	41.3
95°	66.8	62.3	58.9	57.0	58.9	62.3	66.8	76.1	93.8	119.9	176.8
97.5°	194.7	172.5	159.3	155.1	159.3	172.5	194.7	230.9	289.6	353.0	440.7
100°	362.4	326.6	307.5	307.9	307.5	326.6	362.4	412.0	481.7	539.2	579.0
102.5°	507.4	479.0	463.0	451.7	463.0	479.0	507.4	546.0	590.2	623.7	625.0
105°	661.5	642.8	627.2	624.7	627.2	642.8	661.5	684.1	696.9	687.5	638.4
107.5°	740.4	734.1	728.8	724.3	728.8	734.1	740.4	739.9	722.5	679.5	599.7
110°	763.2	767.1	766.1	765.1	766.1	767.1	763.2	749.4	715.1	653.2	562.7



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	757.2	769.5	773.2	773.4	773.2	769.5	757.2	732.1	687.9	618.5	526.2
115°	725.8	747.4	757.2	759.7	757.2	747.4	725.8	689.0	635.5	563.3	477.9
117.5°	674.1	698.8	713.0	716.3	713.0	698.8	674.1	635.7	581.3	516.5	442.7
120°	637.9	665.5	677.2	680.2	677.2	665.5	637.9	599.2	549.5	490.6	424.3
122.5°	604.9	629.6	642.7	646.4	642.7	629.6	604.9	570.4	524.3	469.8	409.7
125°	561.8	583.4	595.7	599.2	595.7	583.4	561.8	530.4	491.1	443.9	390.4
127.5°	527.5	546.0	557.1	560.3	557.1	546.0	527.5	499.6	463.8	421.3	373.5
130°	506.4	524.0	534.3	538.2	534.3	524.0	506.4	480.3	446.9	407.1	362.9
132.5°	487.1	504.7	513.8	516.6	513.8	504.7	487.1	462.6	430.8	393.7	353.1
135°	458.7	473.4	482.2	485.7	482.2	473.4	458.7	434.6	406.7	374.7	339.8
137.5°	428.3	443.2	450.7	453.0	450.7	443.2	428.3	408.1	383.8	356.4	327.8
140°	409.1	422.8	430.7	430.2	430.7	422.8	409.1	390.4	369.3	345.7	320.7
142.5°	390.2	402.4	409.5	409.0	409.5	402.4	390.2	374.3	355.9	335.5	314.0
145°	364.4	374.7	378.7	379.6	378.7	374.7	364.4	352.1	337.9	322.2	305.9
147.5°	344.3	351.3	355.1	355.4	355.1	351.3	344.3	335.0	324.9	312.2	299.4
150°	332.9	338.4	341.3	341.3	341.3	338.4	332.9	325.6	316.2	305.9	294.6
152.5°	322.7	327.8	329.5	329.5	329.5	327.8	322.7	316.9	309.2	300.1	290.3
155°	309.4	313.3	314.3	314.8	314.3	313.3	309.4	305.0	299.1	291.7	283.9
157.5°	297.7	300.7	301.4	301.4	301.4	300.7	297.7	293.9	289.3	283.5	277.0
160°	290.2	293.2	293.2	292.7	293.2	293.2	290.2	286.8	283.4	278.4	273.0
162.5°	282.8	285.3	285.3	284.8	285.3	285.3	282.8	280.5	277.5	272.9	268.4
165°	273.0	275.0	274.5	274.5	274.5	275.0	273.0	271.0	268.6	265.2	262.3
167.5°	263.8	265.2	264.7	264.7	264.7	265.2	263.8	262.9	261.1	259.2	256.9
170°	258.3	259.3	258.8	258.8	258.8	259.3	258.3	257.8	256.8	254.9	253.4
172.5°	253.6	254.6	253.7	253.3	253.7	254.6	253.6	253.5	252.9	251.3	250.3
175°	247.5	248.0	247.5	247.0	247.5	248.0	247.5	247.5	247.5	246.5	246.1
177.5°	243.7	244.2	243.4	243.4	243.4	244.2	243.7	244.2	244.2	243.7	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1159.6	1159.6	1168.5	1174.1	1181.2	1185.9	1189.1	1192.4	1198.1	1205.6	1214.0
5°	1093.3	1095.6	1108.5	1121.5	1133.8	1144.3	1153.1	1163.6	1176.5	1192.3	1209.9
7.5°	1029.1	1038.1	1051.1	1066.8	1084.0	1099.4	1115.0	1132.3	1150.5	1173.8	1198.4
10°	987.8	997.8	1013.6	1033.5	1051.7	1069.9	1089.2	1107.9	1130.8	1158.3	1190.0
12.5°	951.7	961.2	977.5	999.3	1016.6	1036.6	1058.7	1083.1	1108.8	1141.9	1177.8
15°	901.7	912.8	932.7	943.3	969.7	993.7	1014.2	1049.4	1082.2	1116.1	1157.8
17.5°	860.7	866.9	883.0	902.7	922.3	949.3	976.1	1005.4	1038.1	1079.7	1131.7
20°	832.6	837.8	855.4	875.9	897.0	921.6	945.6	974.9	1011.8	1055.8	1112.1
22.5°	811.5	817.2	828.7	850.6	870.3	890.7	914.7	949.6	988.9	1031.9	1092.9
25°	781.0	784.5	792.1	809.7	827.3	850.2	871.2	904.0	944.5	994.9	1055.8
27.5°	752.1	755.4	761.8	774.5	790.8	809.3	832.3	860.2	901.2	956.0	1020.6
30°	734.7	735.3	741.1	752.9	767.0	782.2	803.3	834.9	873.6	929.3	997.2
32.5°	719.7	717.5	721.5	730.4	744.0	759.2	776.5	807.7	845.0	899.7	969.6
35°	694.3	693.1	691.4	699.0	710.7	722.4	737.6	761.1	803.3	854.3	927.5
37.5°	668.4	665.6	662.5	665.9	675.1	687.3	700.5	721.3	757.7	813.8	883.9
40°	649.2	646.9	645.1	643.9	652.1	663.8	673.8	693.7	727.7	781.0	850.2
42.5°	628.1	626.7	624.5	622.8	629.6	638.5	648.9	666.5	700.5	750.5	816.0
45°	594.1	593.0	591.8	590.6	594.7	602.9	611.1	624.0	653.2	701.9	761.1
47.5°	556.3	554.7	555.2	553.4	557.3	562.8	568.5	582.4	610.5	649.8	693.0
50°	529.1	528.5	528.5	528.5	529.7	536.1	541.4	551.9	577.7	617.0	648.0
52.5°	503.3	500.8	500.8	501.8	503.9	508.0	511.3	522.9	545.4	577.6	605.8
55°	462.9	458.1	457.0	458.1	459.9	463.5	467.0	476.3	495.7	519.7	536.1
57.5°	418.1	415.5	414.0	414.2	415.2	418.0	420.7	430.8	446.1	458.7	469.2
60°	386.7	387.9	382.6	383.7	383.7	386.1	390.2	396.7	409.6	418.4	428.9
62.5°	357.1	355.5	354.0	352.3	352.3	353.3	358.8	363.9	374.9	379.4	387.6
65°	311.1	311.1	307.6	308.8	309.4	305.2	308.2	314.0	321.1	322.9	330.5
67.5°	264.5	262.9	260.9	259.1	259.1	258.7	260.3	263.2	268.5	269.1	274.9
70°	232.6	231.4	230.8	229.1	226.8	229.7	227.9	230.8	233.8	234.4	237.9
72.5°	201.6	200.5	199.4	197.7	196.7	196.4	196.5	199.9	201.9	201.0	205.1
75°	157.6	156.4	155.2	152.3	152.3	150.6	151.2	153.5	155.8	154.1	157.6
77.5°	115.8	112.1	111.9	112.7	110.7	111.1	110.4	110.0	111.1	111.2	114.3
80°	89.0	85.0	86.1	85.6	85.0	84.4	83.2	83.8	84.4	85.0	86.7
82.5°	64.2	63.9	62.7	62.6	62.0	60.4	59.8	60.8	61.4	61.0	62.3
85°	32.8	31.1	32.2	31.6	32.2	31.6	29.9	29.9	31.1	30.5	31.6
87.5°	12.2	12.3	11.5	11.7	10.9	11.1	10.4	10.8	10.9	10.7	11.5
90°	11.8	12.3	10.8	9.3	7.8	6.4	5.4	4.4	2.9	2.0	0.9
92.5°	57.0	75.5	83.1	62.3	41.2	28.4	21.1	17.0	13.2	9.0	6.1
95°	236.2	291.2	259.3	178.7	105.6	63.8	44.7	31.9	23.6	18.2	16.7
97.5°	482.8	451.3	330.4	196.1	113.7	73.8	53.0	40.5	33.2	29.0	28.5
100°	561.8	465.0	314.3	185.1	112.4	78.1	58.9	47.2	40.3	36.9	36.3
102.5°	565.8	439.5	290.8	175.7	114.0	83.2	65.6	55.0	48.6	45.5	44.6
105°	535.8	394.9	261.7	168.9	118.4	91.9	76.6	67.2	61.4	58.5	57.0
107.5°	483.4	355.3	243.3	168.4	126.4	103.1	89.0	80.2	74.5	71.6	70.1
110°	450.3	332.9	236.2	170.4	133.1	111.0	97.2	88.9	83.5	81.0	79.6



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	421.6	318.1	232.3	174.4	139.7	119.2	105.9	97.6	92.1	89.7	88.2
115°	387.0	302.0	230.8	180.7	150.8	132.1	118.8	110.5	105.6	102.6	100.7
117.5°	366.1	292.6	231.7	189.2	162.5	144.0	131.7	122.3	117.9	115.4	113.1
120°	355.1	288.3	233.2	195.4	169.9	152.2	140.0	130.6	125.7	123.3	121.8
122.5°	346.0	285.5	236.0	201.4	177.8	160.5	147.4	138.4	133.2	130.7	129.2
125°	334.4	281.9	240.1	210.7	189.1	171.9	158.6	149.3	143.9	140.9	140.0
127.5°	324.3	280.1	244.9	218.3	198.9	182.3	169.0	158.7	153.3	149.6	148.1
130°	318.7	279.0	248.0	223.4	204.7	188.6	175.3	165.0	159.1	154.7	153.3
132.5°	313.6	278.5	250.4	228.2	209.9	194.1	181.2	170.9	163.8	159.0	157.1
135°	306.9	277.9	253.9	234.3	217.6	202.3	189.1	178.7	171.4	166.0	164.0
137.5°	301.2	276.9	256.2	238.8	222.8	208.2	196.0	185.7	177.9	172.5	170.5
140°	297.6	276.5	257.8	241.2	226.4	212.2	199.8	190.0	182.2	177.3	174.9
142.5°	294.5	275.7	259.0	243.5	229.1	215.3	203.8	194.0	186.9	181.6	179.5
145°	290.2	274.5	259.8	246.1	232.8	220.0	208.7	200.4	193.0	188.6	187.1
147.5°	286.1	272.7	259.8	247.6	235.7	224.0	214.4	206.4	200.0	195.6	194.8
150°	283.4	271.0	259.8	248.0	237.7	226.4	217.6	210.7	204.3	200.4	199.8
152.5°	280.3	269.1	258.6	248.8	238.8	229.1	220.7	214.6	209.1	205.1	205.0
155°	275.5	265.7	257.4	249.0	241.2	232.8	225.9	220.5	215.6	212.7	212.7
157.5°	270.2	262.6	255.6	249.5	242.4	235.7	230.4	225.8	221.4	219.1	218.7
160°	266.7	260.3	254.9	249.5	243.6	237.7	232.8	229.4	225.4	223.4	223.4
162.5°	263.1	258.0	253.3	249.1	244.0	238.8	234.7	231.7	228.6	227.0	227.0
165°	258.3	254.4	251.0	248.0	244.5	240.6	237.2	235.2	232.8	231.8	232.3
167.5°	253.7	250.8	248.6	247.2	244.4	241.6	239.4	238.1	236.2	235.7	236.3
170°	251.0	248.5	247.0	246.1	244.1	241.6	240.6	239.6	238.2	237.7	238.7
172.5°	248.2	246.5	245.8	245.6	244.1	242.0	241.4	240.8	239.8	239.6	240.2
175°	245.0	244.1	244.1	244.5	243.6	242.6	242.1	242.1	241.2	241.6	242.1
177.5°	243.0	242.6	243.0	243.7	243.0	242.6	242.6	242.6	242.2	242.6	243.0
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332011-935

CATALOG NUMBER: S123DIP-S1000D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1216.8	1219.2	1227.1	1232.8	1239.3	1243.0	1246.8	1249.7	1253.4	1254.3	1267.9
5°	1222.2	1233.9	1254.4	1269.6	1288.4	1308.9	1322.9	1329.4	1346.4	1360.5	1388.6
7.5°	1220.6	1245.6	1276.6	1308.6	1343.2	1375.0	1402.7	1435.5	1458.8	1493.8	1528.4
10°	1219.3	1252.7	1292.5	1333.5	1381.6	1426.1	1465.9	1510.5	1547.4	1596.0	1637.6
12.5°	1215.0	1255.5	1310.8	1359.3	1417.6	1479.0	1538.1	1595.3	1628.0	1709.0	1747.3
15°	1204.6	1252.7	1321.8	1395.6	1475.9	1548.5	1623.5	1683.3	1779.9	1850.9	1896.0
17.5°	1184.7	1252.0	1333.9	1423.1	1520.6	1616.4	1701.3	1792.1	1894.5	1980.4	2071.7
20°	1175.4	1249.1	1340.6	1439.0	1540.3	1648.7	1745.4	1854.4	1966.3	2050.6	2167.8
22.5°	1158.0	1241.6	1340.1	1449.8	1558.2	1670.3	1783.4	1893.3	2022.6	2138.8	2250.3
25°	1129.6	1223.4	1325.3	1447.8	1574.9	1687.4	1822.7	1968.7	2103.4	2252.8	2364.1
27.5°	1099.8	1199.9	1302.1	1416.0	1552.7	1686.3	1856.5	2021.4	2186.1	2315.1	2397.5
30°	1076.9	1174.1	1279.6	1394.5	1529.8	1688.6	1879.0	2058.8	2219.4	2330.1	2376.4
32.5°	1052.1	1150.7	1244.0	1364.4	1508.7	1687.1	1893.1	2080.9	2221.3	2295.0	2286.0
35°	1013.1	1095.6	1186.5	1302.4	1472.4	1676.9	1901.3	2082.8	2169.0	2153.2	2033.7
37.5°	956.7	1026.2	1115.7	1242.7	1430.2	1655.2	1884.8	2021.1	2015.5	1886.7	1713.6
40°	921.6	980.8	1067.0	1200.5	1397.4	1641.2	1859.1	1947.6	1872.6	1692.6	1485.2
42.5°	875.7	930.1	1016.3	1153.7	1361.3	1612.5	1809.8	1835.5	1688.8	1481.8	1291.7
45°	804.4	852.5	941.5	1083.3	1307.2	1550.3	1689.7	1627.0	1429.6	1215.7	1071.0
47.5°	727.9	777.8	863.5	1009.2	1228.9	1456.6	1523.1	1389.7	1187.1	1013.6	880.7
50°	679.7	727.7	811.5	958.6	1175.9	1379.8	1407.3	1235.1	1048.8	896.5	787.5
52.5°	630.9	676.1	758.5	906.0	1114.0	1290.7	1273.8	1098.2	926.9	797.0	711.5
55°	558.4	601.2	679.7	817.9	1007.2	1147.2	1085.7	918.1	776.4	675.5	610.5
57.5°	493.4	534.4	602.2	727.1	891.7	987.8	909.6	768.4	655.7	578.1	529.5
60°	449.4	485.7	550.2	666.2	809.2	882.4	805.0	680.3	585.3	523.2	479.8
62.5°	407.7	439.3	499.0	604.3	728.5	790.1	711.8	606.1	525.3	470.3	433.4
65°	344.5	373.2	425.9	508.0	609.9	650.9	583.6	498.0	435.3	394.3	369.7
67.5°	286.9	311.3	356.8	421.4	496.4	526.2	474.9	408.7	361.5	328.6	309.0
70°	248.4	269.5	305.2	360.9	428.9	451.8	403.7	349.2	314.6	288.3	270.1
72.5°	216.1	231.5	264.0	307.0	363.7	381.9	348.4	300.5	268.2	248.4	234.0
75°	164.6	177.5	198.6	233.2	272.4	283.0	257.8	227.9	206.2	192.2	181.1
77.5°	118.7	128.2	143.4	164.8	191.9	201.5	185.5	165.6	149.7	140.3	134.1
80°	89.6	97.3	110.1	127.7	144.1	149.4	140.0	124.8	113.7	108.4	103.1
82.5°	66.2	70.5	78.3	90.2	101.5	107.7	99.7	90.6	84.6	79.8	77.8
85°	33.4	35.7	39.3	43.9	51.0	53.3	50.4	48.0	44.5	41.6	41.6
87.5°	12.6	12.7	14.5	15.6	17.7	19.4	19.2	18.6	18.4	17.8	17.5
90°	2.0	2.9	4.4	5.4	6.4	7.8	9.3	10.8	12.3	11.8	12.3
92.5°	9.0	13.2	17.0	21.1	28.4	41.2	62.3	83.1	75.5	57.0	41.3
95°	18.2	23.6	31.9	44.7	63.8	105.6	178.7	259.3	291.2	236.2	176.8
97.5°	29.0	33.2	40.5	53.0	73.8	113.7	196.1	330.4	451.3	482.8	440.7
100°	36.9	40.3	47.2	58.9	78.1	112.4	185.1	314.3	465.0	561.8	579.0
102.5°	45.5	48.6	55.0	65.6	83.2	114.0	175.7	290.8	439.5	565.8	625.0
105°	58.5	61.4	67.2	76.6	91.9	118.4	168.9	261.7	394.9	535.8	638.4
107.5°	71.6	74.5	80.2	89.0	103.1	126.4	168.4	243.3	355.3	483.4	599.7
110°	81.0	83.5	88.9	97.2	111.0	133.1	170.4	236.2	332.9	450.3	562.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	89.7	92.1	97.6	105.9	119.2	139.7	174.4	232.3	318.1	421.6	526.2
115°	102.6	105.6	110.5	118.8	132.1	150.8	180.7	230.8	302.0	387.0	477.9
117.5°	115.4	117.9	122.3	131.7	144.0	162.5	189.2	231.7	292.6	366.1	442.7
120°	123.3	125.7	130.6	140.0	152.2	169.9	195.4	233.2	288.3	355.1	424.3
122.5°	130.7	133.2	138.4	147.4	160.5	177.8	201.4	236.0	285.5	346.0	409.7
125°	140.9	143.9	149.3	158.6	171.9	189.1	210.7	240.1	281.9	334.4	390.4
127.5°	149.6	153.3	158.7	169.0	182.3	198.9	218.3	244.9	280.1	324.3	373.5
130°	154.7	159.1	165.0	175.3	188.6	204.7	223.4	248.0	279.0	318.7	362.9
132.5°	159.0	163.8	170.9	181.2	194.1	209.9	228.2	250.4	278.5	313.6	353.1
135°	166.0	171.4	178.7	189.1	202.3	217.6	234.3	253.9	277.9	306.9	339.8
137.5°	172.5	177.9	185.7	196.0	208.2	222.8	238.8	256.2	276.9	301.2	327.8
140°	177.3	182.2	190.0	199.8	212.2	226.4	241.2	257.8	276.5	297.6	320.7
142.5°	181.6	186.9	194.0	203.8	215.3	229.1	243.5	259.0	275.7	294.5	314.0
145°	188.6	193.0	200.4	208.7	220.0	232.8	246.1	259.8	274.5	290.2	305.9
147.5°	195.6	200.0	206.4	214.4	224.0	235.7	247.6	259.8	272.7	286.1	299.4
150°	200.4	204.3	210.7	217.6	226.4	237.7	248.0	259.8	271.0	283.4	294.6
152.5°	205.1	209.1	214.6	220.7	229.1	238.8	248.8	258.6	269.1	280.3	290.3
155°	212.7	215.6	220.5	225.9	232.8	241.2	249.0	257.4	265.7	275.5	283.9
157.5°	219.1	221.4	225.8	230.4	235.7	242.4	249.5	255.6	262.6	270.2	277.0
160°	223.4	225.4	229.4	232.8	237.7	243.6	249.5	254.9	260.3	266.7	273.0
162.5°	227.0	228.6	231.7	234.7	238.8	244.0	249.1	253.3	258.0	263.1	268.4
165°	231.8	232.8	235.2	237.2	240.6	244.5	248.0	251.0	254.4	258.3	262.3
167.5°	235.7	236.2	238.1	239.4	241.6	244.4	247.2	248.6	250.8	253.7	256.9
170°	237.7	238.2	239.6	240.6	241.6	244.1	246.1	247.0	248.5	251.0	253.4
172.5°	239.6	239.8	240.8	241.4	242.0	244.1	245.6	245.8	246.5	248.2	250.3
175°	241.6	241.2	242.1	242.1	242.6	243.6	244.5	244.1	244.1	245.0	246.1
177.5°	242.6	242.2	242.6	242.6	242.6	243.0	243.7	243.0	242.6	243.0	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1272.6	1273.1	1278.2	1281.9	1280.0	1282.5	1283.3
5°	1390.3	1411.4	1422.5	1430.8	1431.3	1431.9	1436.7
7.5°	1557.3	1579.9	1596.5	1621.5	1629.0	1637.6	1635.1
10°	1679.2	1712.6	1741.3	1756.5	1773.0	1797.0	1777.6
12.5°	1793.1	1852.3	1896.0	1919.7	1935.1	1939.9	1930.4
15°	1980.9	2058.3	2099.9	2098.7	2151.5	2174.3	2138.6
17.5°	2153.2	2224.6	2281.7	2311.0	2355.0	2364.7	2360.3
20°	2258.7	2336.6	2381.1	2431.5	2454.4	2474.9	2478.4
22.5°	2349.6	2419.6	2467.4	2509.3	2528.4	2538.1	2544.0
25°	2443.2	2498.3	2527.0	2541.7	2546.9	2545.7	2538.1
27.5°	2436.8	2441.0	2409.3	2378.3	2350.5	2319.3	2308.4
30°	2373.5	2324.3	2236.4	2186.6	2113.3	2055.4	2078.8
32.5°	2207.1	2109.1	2010.4	1901.6	1811.5	1785.8	1760.1
35°	1883.7	1711.4	1610.7	1493.5	1446.6	1399.7	1367.5
37.5°	1524.0	1390.7	1271.2	1194.6	1147.5	1117.9	1102.0
40°	1317.7	1197.6	1099.2	1037.1	1001.3	967.9	963.2
42.5°	1153.1	1041.5	967.4	918.0	883.6	869.4	859.2
45°	944.5	866.5	816.7	781.6	758.7	749.9	738.2
47.5°	799.4	744.3	707.0	683.0	665.8	659.3	658.3
50°	718.3	672.6	645.1	626.3	612.9	610.5	601.2
52.5°	657.4	617.8	596.3	580.0	570.2	563.6	560.9
55°	570.7	544.3	525.0	515.6	508.0	501.5	501.5
57.5°	499.3	477.3	464.5	456.5	454.2	449.6	446.7
60°	455.2	436.5	426.5	419.5	414.8	415.4	410.1
62.5°	412.2	399.9	390.5	383.4	377.8	377.9	378.2
65°	350.9	341.6	334.6	332.2	328.7	324.6	325.8
67.5°	297.4	288.6	283.1	279.1	277.9	275.7	279.1
70°	259.0	252.5	248.4	244.9	243.7	244.4	247.3
72.5°	223.8	219.2	216.5	214.9	212.3	212.4	214.5
75°	175.7	172.3	169.9	168.2	167.6	167.6	167.6
77.5°	129.2	128.3	127.3	124.7	124.8	125.5	125.6
80°	101.9	100.2	99.6	98.4	96.7	95.5	98.4
82.5°	76.2	74.4	73.8	73.6	70.9	70.7	73.1
85°	41.0	39.3	39.9	39.3	39.3	38.7	38.7
87.5°	17.0	16.7	16.4	16.8	16.4	16.1	16.9
90°	12.7	13.3	14.2	13.8	14.2	14.7	14.2
92.5°	32.8	29.0	26.4	25.6	24.0	24.5	23.7
95°	119.9	93.8	76.1	66.8	62.3	58.9	57.0
97.5°	353.0	289.6	230.9	194.7	172.5	159.3	155.1
100°	539.2	481.7	412.0	362.4	326.6	307.5	307.9
102.5°	623.7	590.2	546.0	507.4	479.0	463.0	451.7
105°	687.5	696.9	684.1	661.5	642.8	627.2	624.7
107.5°	679.5	722.5	739.9	740.4	734.1	728.8	724.3
110°	653.2	715.1	749.4	763.2	767.1	766.1	765.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	618.5	687.9	732.1	757.2	769.5	773.2	773.4
115°	563.3	635.5	689.0	725.8	747.4	757.2	759.7
117.5°	516.5	581.3	635.7	674.1	698.8	713.0	716.3
120°	490.6	549.5	599.2	637.9	665.5	677.2	680.2
122.5°	469.8	524.3	570.4	604.9	629.6	642.7	646.4
125°	443.9	491.1	530.4	561.8	583.4	595.7	599.2
127.5°	421.3	463.8	499.6	527.5	546.0	557.1	560.3
130°	407.1	446.9	480.3	506.4	524.0	534.3	538.2
132.5°	393.7	430.8	462.6	487.1	504.7	513.8	516.6
135°	374.7	406.7	434.6	458.7	473.4	482.2	485.7
137.5°	356.4	383.8	408.1	428.3	443.2	450.7	453.0
140°	345.7	369.3	390.4	409.1	422.8	430.7	430.2
142.5°	335.5	355.9	374.3	390.2	402.4	409.5	409.0
145°	322.2	337.9	352.1	364.4	374.7	378.7	379.6
147.5°	312.2	324.9	335.0	344.3	351.3	355.1	355.4
150°	305.9	316.2	325.6	332.9	338.4	341.3	341.3
152.5°	300.1	309.2	316.9	322.7	327.8	329.5	329.5
155°	291.7	299.1	305.0	309.4	313.3	314.3	314.8
157.5°	283.5	289.3	293.9	297.7	300.7	301.4	301.4
160°	278.4	283.4	286.8	290.2	293.2	293.2	292.7
162.5°	272.9	277.5	280.5	282.8	285.3	285.3	284.8
165°	265.2	268.6	271.0	273.0	275.0	274.5	274.5
167.5°	259.2	261.1	262.9	263.8	265.2	264.7	264.7
170°	254.9	256.8	257.8	258.3	259.3	258.8	258.8
172.5°	251.3	252.9	253.5	253.6	254.6	253.7	253.3
175°	246.5	247.5	247.5	247.5	248.0	247.5	247.0
177.5°	243.7	244.2	244.2	243.7	244.2	243.4	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6

(END OF REPORT)