

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: P332001-935

Luminaire Tested: **S123DIP-S1000D365U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332001-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D365U935-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

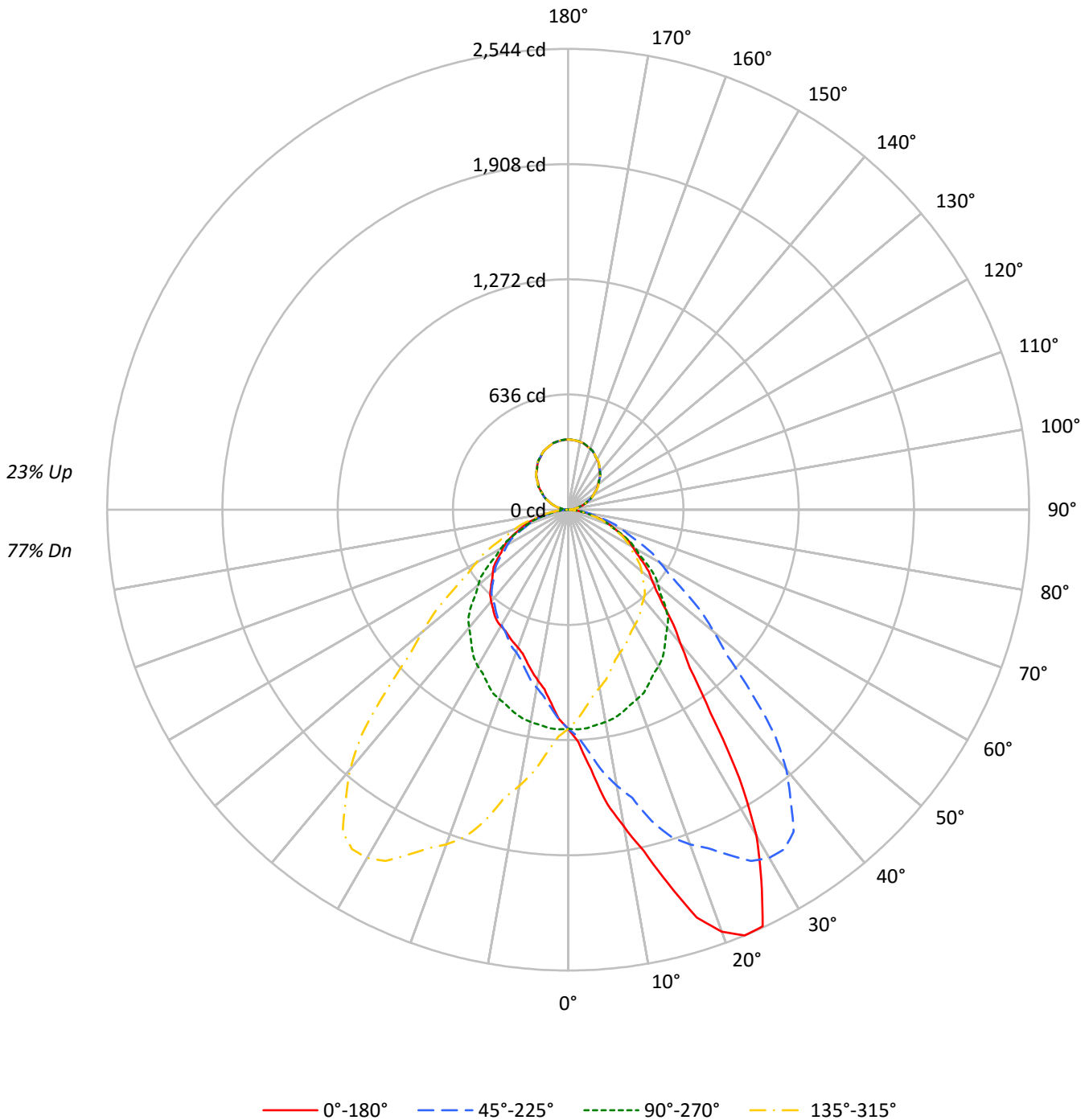
Lumens per Lamp: N/A
Luminaire Lumens: 4724.2 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 43.5
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	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	77
1	104	100	96	93	99	96	92	89	87	85	82	80	77	76	72	71	69	66
2	95	88	82	76	91	84	78	74	77	72	69	70	67	64	64	62	59	56
3	87	78	70	64	83	74	68	62	68	63	58	63	58	54	57	54	51	48
4	80	69	61	55	76	66	59	53	61	55	50	56	51	47	51	47	44	41
5	74	62	53	47	70	59	52	46	55	48	43	50	45	41	46	42	39	36
6	68	56	47	41	65	54	46	40	50	43	38	46	40	36	42	38	34	32
7	63	50	42	37	60	49	41	36	45	39	34	42	36	32	39	34	30	28
8	59	46	38	33	56	44	37	32	41	35	30	38	33	29	36	31	27	25
9	55	42	34	29	52	41	33	29	38	32	27	35	30	26	33	28	25	23
10	51	39	31	26	49	38	31	26	35	29	25	33	27	24	30	26	22	21

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	2.5
10°-20°	382.0	8.1
20°-30°	641.1	13.6
30°-40°	725.9	15.4
40°-50°	651.0	13.8
50°-60°	525.3	11.1
60°-70°	366.1	7.7
70°-80°	192.4	4.1
80°-90°	48.2	1.0
90°-100°	25.2	0.5
100°-110°	75.5	1.6
110°-120°	128.5	2.7
120°-130°	169.0	3.6
130°-140°	189.9	4.0
140°-150°	186.7	4.0
150°-160°	157.2	3.3
160°-170°	104.6	2.2
170°-180°	36.6	0.8
0°-30°	1142.2	24.2
0°-40°	1868.1	39.5
0°-60°	3044.4	64.4
0°-90°	3651.1	77.3
90°-120°	229.2	4.9
90°-150°	774.8	16.4
90°-180°	1073.0	22.7
0°-180°	4724.2	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°	9	0	9	0	9	6
95°	24	18	24	18	24	24
105°	72	68	72	68	72	77
115°	130	129	130	129	130	128
125°	187	189	187	189	187	167
135°	245	246	245	246	245	189
145°	298	298	298	298	298	186
155°	340	341	340	341	340	157
165°	370	372	370	372	370	104
175°	385	386	385	386	385	37
180°	387	387	387	387	387	



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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°	15.9	14.9	15.3	15.8	15.3	15.8	16.2	16.5	17.0	17.4	17.7
90°	9.1	9.0	8.9	8.7	8.6	8.4	8.1	7.8	7.6	7.3	6.5
92.5°	12.3	12.4	12.5	12.6	12.7	12.6	12.3	12.1	11.9	11.7	11.2
95°	23.8	23.8	23.8	23.8	23.8	23.6	23.3	23.1	22.8	22.6	22.0
97.5°	36.5	36.5	36.6	36.6	36.6	36.5	36.2	35.8	35.6	35.2	34.9
100°	46.2	46.1	46.0	45.8	45.7	45.5	45.4	45.1	44.9	44.7	44.4
102.5°	56.2	56.2	56.3	56.3	56.3	56.2	56.1	55.9	55.6	55.4	55.0
105°	72.4	72.3	72.2	72.0	71.9	71.8	71.8	71.8	71.8	71.8	71.2
107.5°	89.3	89.4	89.5	89.5	89.6	89.5	89.3	89.1	88.9	88.7	88.4
110°	100.7	100.8	101.0	101.1	101.3	101.2	100.9	100.7	100.4	100.1	100.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	112.9	112.9	113.0	113.0	113.0	112.9	112.5	112.2	111.8	111.6	111.5
115°	129.6	129.7	129.8	129.8	129.9	129.9	129.8	129.8	129.7	129.6	129.8
117.5°	146.6	146.8	147.0	147.1	147.3	147.5	147.5	147.5	147.5	147.5	147.7
120°	158.5	158.7	158.8	158.9	159.0	159.2	159.2	159.3	159.4	159.5	159.8
122.5°	170.0	170.1	170.3	170.6	170.7	170.9	171.1	171.3	171.4	171.6	171.8
125°	187.1	187.4	187.7	188.0	188.2	188.5	188.7	189.0	189.2	189.6	189.7
127.5°	204.2	204.6	204.8	205.2	205.4	205.8	206.2	206.6	207.0	207.3	207.5
130°	215.4	215.9	216.4	216.9	217.3	217.7	217.9	218.3	218.5	218.8	219.0
132.5°	227.1	227.5	227.8	228.2	228.6	228.9	229.2	229.5	229.9	230.2	230.3
135°	245.2	245.4	245.5	245.6	245.8	246.0	246.2	246.5	246.8	247.1	247.1
137.5°	261.2	261.5	261.7	262.0	262.3	262.5	262.9	263.1	263.4	263.6	263.5
140°	271.7	272.2	272.7	273.1	273.6	273.9	274.0	274.0	274.1	274.1	274.1
142.5°	282.4	282.8	283.2	283.5	283.9	284.1	284.1	284.2	284.3	284.4	284.2
145°	297.9	298.2	298.4	298.7	298.9	299.1	299.2	299.3	299.4	299.4	299.2
147.5°	311.6	312.0	312.5	312.9	313.2	313.5	313.5	313.5	313.5	313.5	313.2
150°	320.4	320.8	321.2	321.6	322.0	322.2	322.2	322.2	322.2	322.2	322.1
152.5°	328.9	329.2	329.6	329.9	330.3	330.5	330.4	330.2	330.1	330.0	329.9
155°	340.4	341.0	341.4	341.9	342.3	342.5	342.2	341.9	341.6	341.4	341.3
157.5°	351.0	351.4	351.8	352.1	352.5	352.6	352.3	352.0	351.7	351.5	351.4
160°	357.8	358.1	358.3	358.6	358.9	358.9	358.5	358.2	357.8	357.5	357.5
162.5°	362.9	363.3	363.8	364.2	364.6	364.7	364.4	364.0	363.7	363.3	363.3
165°	370.3	370.7	371.3	371.7	372.2	372.2	371.8	371.4	371.0	370.6	370.6
167.5°	376.6	376.9	377.4	377.8	378.2	378.2	377.8	377.4	376.9	376.6	376.5
170°	379.7	380.2	380.6	381.2	381.6	381.6	381.2	380.6	380.2	379.7	379.7
172.5°	382.2	382.6	383.1	383.6	384.1	384.1	383.7	383.2	382.8	382.4	382.4
175°	384.9	385.4	385.8	386.3	386.8	386.8	386.4	386.0	385.6	385.2	385.2
177.5°	386.3	386.8	387.1	387.5	387.9	387.9	387.5	387.3	386.9	386.6	386.6
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



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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°	18.4	18.8	17.1	15.2	14.0	12.5	12.4	11.3	10.5	10.7	10.3
90°	5.5	4.6	3.8	3.0	2.3	1.6	0.9	0.3	0.9	1.6	2.3
92.5°	10.7	10.2	9.6	9.2	8.8	8.3	7.8	7.4	7.8	8.3	8.8
95°	21.4	20.9	20.3	19.8	19.4	18.9	18.4	18.0	18.4	18.9	19.4
97.5°	34.4	34.1	33.7	33.3	33.0	32.6	32.2	31.9	32.2	32.6	33.0
100°	44.1	43.7	43.4	43.0	42.6	42.2	41.8	41.4	41.8	42.2	42.6
102.5°	54.6	54.1	53.6	53.3	53.0	52.8	52.6	52.3	52.6	52.8	53.0
105°	70.6	70.0	69.4	69.0	68.9	68.7	68.6	68.4	68.6	68.7	68.9
107.5°	88.2	87.9	87.6	87.6	87.5	87.4	87.3	87.2	87.3	87.4	87.5
110°	99.9	99.7	99.5	99.4	99.3	99.2	99.0	98.9	99.0	99.2	99.3



TEST NUMBER: P332001-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	111.5	111.5	111.4	111.4	111.3	111.2	111.2	111.1	111.2	111.2	111.3
115°	129.9	130.0	130.2	130.1	129.9	129.8	129.5	129.3	129.5	129.8	129.9
117.5°	147.8	148.0	148.2	148.3	148.1	148.0	147.8	147.7	147.8	148.0	148.1
120°	160.1	160.5	160.7	160.7	160.3	160.0	159.5	159.1	159.5	160.0	160.3
122.5°	171.9	172.1	172.3	172.3	171.9	171.7	171.3	171.1	171.3	171.7	171.9
125°	189.9	189.9	190.1	190.1	189.9	189.7	189.4	189.2	189.4	189.7	189.9
127.5°	207.6	207.8	207.9	207.8	207.3	206.9	206.5	206.0	206.5	206.9	207.3
130°	219.2	219.4	219.6	219.4	218.9	218.3	217.7	217.2	217.7	218.3	218.9
132.5°	230.5	230.7	230.8	230.6	230.1	229.5	229.0	228.4	229.0	229.5	230.1
135°	247.2	247.3	247.4	247.2	246.8	246.3	246.0	245.6	246.0	246.3	246.8
137.5°	263.3	263.1	262.9	262.7	262.3	262.0	261.7	261.4	261.7	262.0	262.3
140°	274.0	274.0	273.9	273.7	273.4	273.0	272.7	272.3	272.7	273.0	273.4
142.5°	284.1	284.0	283.9	283.6	283.4	283.0	282.7	282.3	282.7	283.0	283.4
145°	299.0	298.8	298.6	298.4	298.3	298.2	298.0	297.9	298.0	298.2	298.3
147.5°	313.1	312.9	312.7	312.5	312.3	312.0	311.8	311.5	311.8	312.0	312.3
150°	321.9	321.8	321.7	321.6	321.4	321.2	321.2	321.0	321.2	321.2	321.4
152.5°	329.8	329.8	329.7	329.6	329.3	329.2	329.0	328.8	329.0	329.2	329.3
155°	341.2	341.2	341.1	341.1	341.1	341.1	341.1	341.1	341.1	341.1	341.1
157.5°	351.3	351.3	351.2	351.2	351.3	351.4	351.5	351.5	351.5	351.4	351.3
160°	357.5	357.5	357.5	357.6	357.7	357.8	358.0	358.1	358.0	357.8	357.7
162.5°	363.3	363.2	363.2	363.2	363.4	363.6	363.8	363.9	363.8	363.6	363.4
165°	370.6	370.6	370.6	370.7	370.9	371.1	371.3	371.5	371.3	371.1	370.9
167.5°	376.4	376.4	376.3	376.4	376.7	377.0	377.3	377.5	377.3	377.0	376.7
170°	379.7	379.7	379.7	379.9	380.1	380.4	380.6	380.9	380.6	380.4	380.1
172.5°	382.4	382.4	382.4	382.5	382.8	383.1	383.3	383.7	383.3	383.1	382.8
175°	385.2	385.2	385.2	385.4	385.6	385.9	386.2	386.4	386.2	385.9	385.6
177.5°	386.6	386.6	386.6	386.7	386.9	387.1	387.4	387.5	387.4	387.1	386.9
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332001-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A1

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°	10.0	10.6	10.3	10.9	10.7	11.3	11.4	10.5	10.5	12.0	10.2
90°	3.0	3.8	4.6	5.5	6.5	7.3	7.6	7.8	8.1	8.4	8.6
92.5°	9.2	9.6	10.2	10.7	11.2	11.7	11.9	12.1	12.3	12.6	12.7
95°	19.8	20.3	20.9	21.4	22.0	22.6	22.8	23.1	23.3	23.6	23.8
97.5°	33.3	33.7	34.1	34.4	34.9	35.2	35.6	35.8	36.2	36.5	36.6
100°	43.0	43.4	43.7	44.1	44.4	44.7	44.9	45.1	45.4	45.5	45.7
102.5°	53.3	53.6	54.1	54.6	55.0	55.4	55.6	55.9	56.1	56.2	56.3
105°	69.0	69.4	70.0	70.6	71.2	71.8	71.8	71.8	71.8	71.8	71.9
107.5°	87.6	87.6	87.9	88.2	88.4	88.7	88.9	89.1	89.3	89.5	89.6
110°	99.4	99.5	99.7	99.9	100.0	100.1	100.4	100.7	100.9	101.2	101.3



TEST NUMBER: P332001-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	111.4	111.4	111.5	111.5	111.5	111.6	111.8	112.2	112.5	112.9	113.0
115°	130.1	130.2	130.0	129.9	129.8	129.6	129.7	129.8	129.8	129.9	129.9
117.5°	148.3	148.2	148.0	147.8	147.7	147.5	147.5	147.5	147.5	147.5	147.3
120°	160.7	160.7	160.5	160.1	159.8	159.5	159.4	159.3	159.2	159.2	159.0
122.5°	172.3	172.3	172.1	171.9	171.8	171.6	171.4	171.3	171.1	170.9	170.7
125°	190.1	190.1	189.9	189.9	189.7	189.6	189.2	189.0	188.7	188.5	188.2
127.5°	207.8	207.9	207.8	207.6	207.5	207.3	207.0	206.6	206.2	205.8	205.4
130°	219.4	219.6	219.4	219.2	219.0	218.8	218.5	218.3	217.9	217.7	217.3
132.5°	230.6	230.8	230.7	230.5	230.3	230.2	229.9	229.5	229.2	228.9	228.6
135°	247.2	247.4	247.3	247.2	247.1	247.1	246.8	246.5	246.2	246.0	245.8
137.5°	262.7	262.9	263.1	263.3	263.5	263.6	263.4	263.1	262.9	262.5	262.3
140°	273.7	273.9	274.0	274.0	274.1	274.1	274.1	274.0	274.0	273.9	273.6
142.5°	283.6	283.9	284.0	284.1	284.2	284.4	284.3	284.2	284.1	284.1	283.9
145°	298.4	298.6	298.8	299.0	299.2	299.4	299.4	299.3	299.2	299.1	298.9
147.5°	312.5	312.7	312.9	313.1	313.2	313.5	313.5	313.5	313.5	313.5	313.2
150°	321.6	321.7	321.8	321.9	322.1	322.2	322.2	322.2	322.2	322.2	322.0
152.5°	329.6	329.7	329.8	329.8	329.9	330.0	330.1	330.2	330.4	330.5	330.3
155°	341.1	341.1	341.2	341.2	341.3	341.4	341.6	341.9	342.2	342.5	342.3
157.5°	351.2	351.2	351.3	351.3	351.4	351.5	351.7	352.0	352.3	352.6	352.5
160°	357.6	357.5	357.5	357.5	357.5	357.5	357.8	358.2	358.5	358.9	358.9
162.5°	363.2	363.2	363.2	363.3	363.3	363.3	363.7	364.0	364.4	364.7	364.6
165°	370.7	370.6	370.6	370.6	370.6	370.6	371.0	371.4	371.8	372.2	372.2
167.5°	376.4	376.3	376.4	376.4	376.5	376.6	376.9	377.4	377.8	378.2	378.2
170°	379.9	379.7	379.7	379.7	379.7	379.7	380.2	380.6	381.2	381.6	381.6
172.5°	382.5	382.4	382.4	382.4	382.4	382.4	382.8	383.2	383.7	384.1	384.1
175°	385.4	385.2	385.2	385.2	385.2	385.2	385.6	386.0	386.4	386.8	386.8
177.5°	386.7	386.6	386.6	386.6	386.6	386.6	386.9	387.3	387.5	387.9	387.9
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332001-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A1

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°	10.2	10.2	9.7	9.3	9.7	10.2	10.2	10.2	12.0	10.5	10.5
90°	8.7	8.9	9.0	9.1	9.0	8.9	8.7	8.6	8.4	8.1	7.8
92.5°	12.6	12.5	12.4	12.3	12.4	12.5	12.6	12.7	12.6	12.3	12.1
95°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.6	23.3	23.1
97.5°	36.6	36.6	36.5	36.5	36.5	36.6	36.6	36.6	36.5	36.2	35.8
100°	45.8	46.0	46.1	46.2	46.1	46.0	45.8	45.7	45.5	45.4	45.1
102.5°	56.3	56.3	56.2	56.2	56.2	56.3	56.3	56.3	56.2	56.1	55.9
105°	72.0	72.2	72.3	72.4	72.3	72.2	72.0	71.9	71.8	71.8	71.8
107.5°	89.5	89.5	89.4	89.3	89.4	89.5	89.5	89.6	89.5	89.3	89.1
110°	101.1	101.0	100.8	100.7	100.8	101.0	101.1	101.3	101.2	100.9	100.7



TEST NUMBER: P332001-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	113.0	113.0	112.9	112.9	112.9	113.0	113.0	113.0	112.9	112.5	112.2
115°	129.8	129.8	129.7	129.6	129.7	129.8	129.8	129.9	129.9	129.8	129.8
117.5°	147.1	147.0	146.8	146.6	146.8	147.0	147.1	147.3	147.5	147.5	147.5
120°	158.9	158.8	158.7	158.5	158.7	158.8	158.9	159.0	159.2	159.2	159.3
122.5°	170.6	170.3	170.1	170.0	170.1	170.3	170.6	170.7	170.9	171.1	171.3
125°	188.0	187.7	187.4	187.1	187.4	187.7	188.0	188.2	188.5	188.7	189.0
127.5°	205.2	204.8	204.6	204.2	204.6	204.8	205.2	205.4	205.8	206.2	206.6
130°	216.9	216.4	215.9	215.4	215.9	216.4	216.9	217.3	217.7	217.9	218.3
132.5°	228.2	227.8	227.5	227.1	227.5	227.8	228.2	228.6	228.9	229.2	229.5
135°	245.6	245.5	245.4	245.2	245.4	245.5	245.6	245.8	246.0	246.2	246.5
137.5°	262.0	261.7	261.5	261.2	261.5	261.7	262.0	262.3	262.5	262.9	263.1
140°	273.1	272.7	272.2	271.7	272.2	272.7	273.1	273.6	273.9	274.0	274.0
142.5°	283.5	283.2	282.8	282.4	282.8	283.2	283.5	283.9	284.1	284.1	284.2
145°	298.7	298.4	298.2	297.9	298.2	298.4	298.7	298.9	299.1	299.2	299.3
147.5°	312.9	312.5	312.0	311.6	312.0	312.5	312.9	313.2	313.5	313.5	313.5
150°	321.6	321.2	320.8	320.4	320.8	321.2	321.6	322.0	322.2	322.2	322.2
152.5°	329.9	329.6	329.2	328.9	329.2	329.6	329.9	330.3	330.5	330.4	330.2
155°	341.9	341.4	341.0	340.4	341.0	341.4	341.9	342.3	342.5	342.2	341.9
157.5°	352.1	351.8	351.4	351.0	351.4	351.8	352.1	352.5	352.6	352.3	352.0
160°	358.6	358.3	358.1	357.8	358.1	358.3	358.6	358.9	358.9	358.5	358.2
162.5°	364.2	363.8	363.3	362.9	363.3	363.8	364.2	364.6	364.7	364.4	364.0
165°	371.7	371.3	370.7	370.3	370.7	371.3	371.7	372.2	372.2	371.8	371.4
167.5°	377.8	377.4	376.9	376.6	376.9	377.4	377.8	378.2	378.2	377.8	377.4
170°	381.2	380.6	380.2	379.7	380.2	380.6	381.2	381.6	381.6	381.2	380.6
172.5°	383.6	383.1	382.6	382.2	382.6	383.1	383.6	384.1	384.1	383.7	383.2
175°	386.3	385.8	385.4	384.9	385.4	385.8	386.3	386.8	386.8	386.4	386.0
177.5°	387.5	387.1	386.8	386.3	386.8	387.1	387.5	387.9	387.9	387.5	387.3
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332001-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A1

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°	11.4	11.3	10.7	10.9	10.3	10.6	10.0	10.3	10.7	10.5	11.3
90°	7.6	7.3	6.5	5.5	4.6	3.8	3.0	2.3	1.6	0.9	0.3
92.5°	11.9	11.7	11.2	10.7	10.2	9.6	9.2	8.8	8.3	7.8	7.4
95°	22.8	22.6	22.0	21.4	20.9	20.3	19.8	19.4	18.9	18.4	18.0
97.5°	35.6	35.2	34.9	34.4	34.1	33.7	33.3	33.0	32.6	32.2	31.9
100°	44.9	44.7	44.4	44.1	43.7	43.4	43.0	42.6	42.2	41.8	41.4
102.5°	55.6	55.4	55.0	54.6	54.1	53.6	53.3	53.0	52.8	52.6	52.3
105°	71.8	71.8	71.2	70.6	70.0	69.4	69.0	68.9	68.7	68.6	68.4
107.5°	88.9	88.7	88.4	88.2	87.9	87.6	87.6	87.5	87.4	87.3	87.2
110°	100.4	100.1	100.0	99.9	99.7	99.5	99.4	99.3	99.2	99.0	98.9



TEST NUMBER: P332001-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	111.8	111.6	111.5	111.5	111.5	111.4	111.4	111.3	111.2	111.2	111.1
115°	129.7	129.6	129.8	129.9	130.0	130.2	130.1	129.9	129.8	129.5	129.3
117.5°	147.5	147.5	147.7	147.8	148.0	148.2	148.3	148.1	148.0	147.8	147.7
120°	159.4	159.5	159.8	160.1	160.5	160.7	160.7	160.3	160.0	159.5	159.1
122.5°	171.4	171.6	171.8	171.9	172.1	172.3	172.3	171.9	171.7	171.3	171.1
125°	189.2	189.6	189.7	189.9	189.9	190.1	190.1	189.9	189.7	189.4	189.2
127.5°	207.0	207.3	207.5	207.6	207.8	207.9	207.8	207.3	206.9	206.5	206.0
130°	218.5	218.8	219.0	219.2	219.4	219.6	219.4	218.9	218.3	217.7	217.2
132.5°	229.9	230.2	230.3	230.5	230.7	230.8	230.6	230.1	229.5	229.0	228.4
135°	246.8	247.1	247.1	247.2	247.3	247.4	247.2	246.8	246.3	246.0	245.6
137.5°	263.4	263.6	263.5	263.3	263.1	262.9	262.7	262.3	262.0	261.7	261.4
140°	274.1	274.1	274.1	274.0	274.0	273.9	273.7	273.4	273.0	272.7	272.3
142.5°	284.3	284.4	284.2	284.1	284.0	283.9	283.6	283.4	283.0	282.7	282.3
145°	299.4	299.4	299.2	299.0	298.8	298.6	298.4	298.3	298.2	298.0	297.9
147.5°	313.5	313.5	313.2	313.1	312.9	312.7	312.5	312.3	312.0	311.8	311.5
150°	322.2	322.2	322.1	321.9	321.8	321.7	321.6	321.4	321.2	321.2	321.0
152.5°	330.1	330.0	329.9	329.8	329.8	329.7	329.6	329.3	329.2	329.0	328.8
155°	341.6	341.4	341.3	341.2	341.2	341.1	341.1	341.1	341.1	341.1	341.1
157.5°	351.7	351.5	351.4	351.3	351.3	351.2	351.2	351.3	351.4	351.5	351.5
160°	357.8	357.5	357.5	357.5	357.5	357.5	357.6	357.7	357.8	358.0	358.1
162.5°	363.7	363.3	363.3	363.3	363.2	363.2	363.2	363.4	363.6	363.8	363.9
165°	371.0	370.6	370.6	370.6	370.6	370.6	370.7	370.9	371.1	371.3	371.5
167.5°	376.9	376.6	376.5	376.4	376.4	376.3	376.4	376.7	377.0	377.3	377.5
170°	380.2	379.7	379.7	379.7	379.7	379.7	379.9	380.1	380.4	380.6	380.9
172.5°	382.8	382.4	382.4	382.4	382.4	382.4	382.5	382.8	383.1	383.3	383.7
175°	385.6	385.2	385.2	385.2	385.2	385.2	385.4	385.6	385.9	386.2	386.4
177.5°	386.9	386.6	386.6	386.6	386.6	386.6	386.7	386.9	387.1	387.4	387.5
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332001-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A1

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°	12.4	12.5	14.0	15.2	17.1	18.8	18.4	17.7	17.4	17.0	16.5
90°	0.9	1.6	2.3	3.0	3.8	4.6	5.5	6.5	7.3	7.6	7.8
92.5°	7.8	8.3	8.8	9.2	9.6	10.2	10.7	11.2	11.7	11.9	12.1
95°	18.4	18.9	19.4	19.8	20.3	20.9	21.4	22.0	22.6	22.8	23.1
97.5°	32.2	32.6	33.0	33.3	33.7	34.1	34.4	34.9	35.2	35.6	35.8
100°	41.8	42.2	42.6	43.0	43.4	43.7	44.1	44.4	44.7	44.9	45.1
102.5°	52.6	52.8	53.0	53.3	53.6	54.1	54.6	55.0	55.4	55.6	55.9
105°	68.6	68.7	68.9	69.0	69.4	70.0	70.6	71.2	71.8	71.8	71.8
107.5°	87.3	87.4	87.5	87.6	87.6	87.9	88.2	88.4	88.7	88.9	89.1
110°	99.0	99.2	99.3	99.4	99.5	99.7	99.9	100.0	100.1	100.4	100.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	111.2	111.2	111.3	111.4	111.4	111.5	111.5	111.5	111.6	111.8	112.2
115°	129.5	129.8	129.9	130.1	130.2	130.0	129.9	129.8	129.6	129.7	129.8
117.5°	147.8	148.0	148.1	148.3	148.2	148.0	147.8	147.7	147.5	147.5	147.5
120°	159.5	160.0	160.3	160.7	160.7	160.5	160.1	159.8	159.5	159.4	159.3
122.5°	171.3	171.7	171.9	172.3	172.3	172.1	171.9	171.8	171.6	171.4	171.3
125°	189.4	189.7	189.9	190.1	190.1	189.9	189.9	189.7	189.6	189.2	189.0
127.5°	206.5	206.9	207.3	207.8	207.9	207.8	207.6	207.5	207.3	207.0	206.6
130°	217.7	218.3	218.9	219.4	219.6	219.4	219.2	219.0	218.8	218.5	218.3
132.5°	229.0	229.5	230.1	230.6	230.8	230.7	230.5	230.3	230.2	229.9	229.5
135°	246.0	246.3	246.8	247.2	247.4	247.3	247.2	247.1	247.1	246.8	246.5
137.5°	261.7	262.0	262.3	262.7	262.9	263.1	263.3	263.5	263.6	263.4	263.1
140°	272.7	273.0	273.4	273.7	273.9	274.0	274.0	274.1	274.1	274.1	274.0
142.5°	282.7	283.0	283.4	283.6	283.9	284.0	284.1	284.2	284.4	284.3	284.2
145°	298.0	298.2	298.3	298.4	298.6	298.8	299.0	299.2	299.4	299.4	299.3
147.5°	311.8	312.0	312.3	312.5	312.7	312.9	313.1	313.2	313.5	313.5	313.5
150°	321.2	321.2	321.4	321.6	321.7	321.8	321.9	322.1	322.2	322.2	322.2
152.5°	329.0	329.2	329.3	329.6	329.7	329.8	329.8	329.9	330.0	330.1	330.2
155°	341.1	341.1	341.1	341.1	341.1	341.2	341.2	341.3	341.4	341.6	341.9
157.5°	351.5	351.4	351.3	351.2	351.2	351.3	351.3	351.4	351.5	351.7	352.0
160°	358.0	357.8	357.7	357.6	357.5	357.5	357.5	357.5	357.5	357.8	358.2
162.5°	363.8	363.6	363.4	363.2	363.2	363.2	363.3	363.3	363.3	363.7	364.0
165°	371.3	371.1	370.9	370.7	370.6	370.6	370.6	370.6	370.6	371.0	371.4
167.5°	377.3	377.0	376.7	376.4	376.3	376.4	376.4	376.5	376.6	376.9	377.4
170°	380.6	380.4	380.1	379.9	379.7	379.7	379.7	379.7	379.7	380.2	380.6
172.5°	383.3	383.1	382.8	382.5	382.4	382.4	382.4	382.4	382.4	382.8	383.2
175°	386.2	385.9	385.6	385.4	385.2	385.2	385.2	385.2	385.2	385.6	386.0
177.5°	387.4	387.1	386.9	386.7	386.6	386.6	386.6	386.6	386.6	386.9	387.3
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



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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°	16.2	15.8	15.3	15.8	15.3	14.9	15.9
90°	8.1	8.4	8.6	8.7	8.9	9.0	9.1
92.5°	12.3	12.6	12.7	12.6	12.5	12.4	12.3
95°	23.3	23.6	23.8	23.8	23.8	23.8	23.8
97.5°	36.2	36.5	36.6	36.6	36.6	36.5	36.5
100°	45.4	45.5	45.7	45.8	46.0	46.1	46.2
102.5°	56.1	56.2	56.3	56.3	56.3	56.2	56.2
105°	71.8	71.8	71.9	72.0	72.2	72.3	72.4
107.5°	89.3	89.5	89.6	89.5	89.5	89.4	89.3
110°	100.9	101.2	101.3	101.1	101.0	100.8	100.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	112.5	112.9	113.0	113.0	113.0	112.9	112.9
115°	129.8	129.9	129.9	129.8	129.8	129.7	129.6
117.5°	147.5	147.5	147.3	147.1	147.0	146.8	146.6
120°	159.2	159.2	159.0	158.9	158.8	158.7	158.5
122.5°	171.1	170.9	170.7	170.6	170.3	170.1	170.0
125°	188.7	188.5	188.2	188.0	187.7	187.4	187.1
127.5°	206.2	205.8	205.4	205.2	204.8	204.6	204.2
130°	217.9	217.7	217.3	216.9	216.4	215.9	215.4
132.5°	229.2	228.9	228.6	228.2	227.8	227.5	227.1
135°	246.2	246.0	245.8	245.6	245.5	245.4	245.2
137.5°	262.9	262.5	262.3	262.0	261.7	261.5	261.2
140°	274.0	273.9	273.6	273.1	272.7	272.2	271.7
142.5°	284.1	284.1	283.9	283.5	283.2	282.8	282.4
145°	299.2	299.1	298.9	298.7	298.4	298.2	297.9
147.5°	313.5	313.5	313.2	312.9	312.5	312.0	311.6
150°	322.2	322.2	322.0	321.6	321.2	320.8	320.4
152.5°	330.4	330.5	330.3	329.9	329.6	329.2	328.9
155°	342.2	342.5	342.3	341.9	341.4	341.0	340.4
157.5°	352.3	352.6	352.5	352.1	351.8	351.4	351.0
160°	358.5	358.9	358.9	358.6	358.3	358.1	357.8
162.5°	364.4	364.7	364.6	364.2	363.8	363.3	362.9
165°	371.8	372.2	372.2	371.7	371.3	370.7	370.3
167.5°	377.8	378.2	378.2	377.8	377.4	376.9	376.6
170°	381.2	381.6	381.6	381.2	380.6	380.2	379.7
172.5°	383.7	384.1	384.1	383.6	383.1	382.6	382.2
175°	386.4	386.8	386.8	386.3	385.8	385.4	384.9
177.5°	387.5	387.9	387.9	387.5	387.1	386.8	386.3
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4

(END OF REPORT)