

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: P332002-935

Luminaire Tested: **S123DIP-S1000D365U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332002-935
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-S1000D365U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4781.9 lumens
Efficiency: N/A
Efficacy: 109.9 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

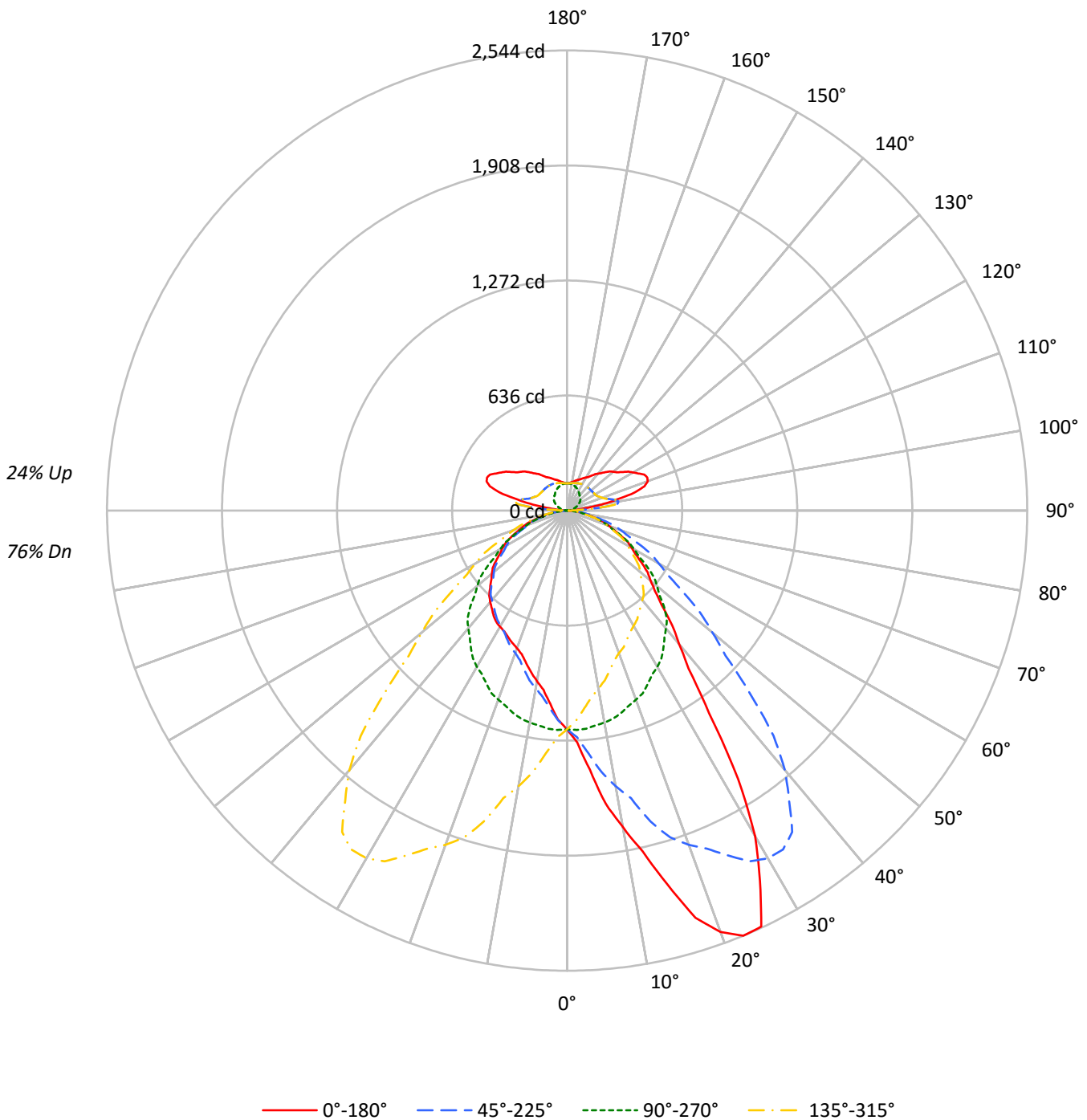
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76
1	104	100	96	92	99	95	92	89	87	84	82	79	77	75	72	70	69	65
2	95	88	81	76	90	84	78	73	77	72	68	70	66	63	64	61	59	55
3	87	77	70	64	83	74	67	62	68	62	58	62	58	54	57	53	50	47
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	54	48	43	50	45	41	46	42	38	36
6	68	56	47	41	65	53	46	40	49	43	38	45	40	36	42	37	34	31
7	63	50	42	36	60	48	41	35	45	38	34	41	36	32	38	34	30	28
8	59	46	38	32	56	44	37	32	41	35	30	38	33	29	35	30	27	25
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	32	28	24	22
10	51	39	31	26	49	37	30	26	35	29	25	32	27	23	30	26	22	20

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	8.0
20°-30°	641.1	13.4
30°-40°	725.9	15.2
40°-50°	651.0	13.6
50°-60°	525.3	11.0
60°-70°	366.1	7.7
70°-80°	192.4	4.0
80°-90°	48.2	1.0
90°-100°	83.7	1.7
100°-110°	236.9	5.0
110°-120°	233.0	4.9
120°-130°	185.8	3.9
130°-140°	146.5	3.1
140°-150°	109.4	2.3
150°-160°	76.2	1.6
160°-170°	44.8	0.9
170°-180°	14.6	0.3
0°-30°	1142.2	23.9
0°-40°	1868.1	39.1
0°-60°	3044.4	63.7
0°-90°	3651.1	76.4
90°-120°	553.5	11.6
90°-150°	995.3	20.8
90°-180°	1131.0	23.7
0°-180°	4781.9	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	1	9	1	9	7
95°	35	10	35	10	35	64
105°	387	35	387	35	387	382
115°	471	62	471	62	471	457
125°	371	87	371	87	371	336
135°	301	102	301	102	301	233
145°	235	116	235	116	235	150
155°	195	132	195	132	195	91
165°	170	144	170	144	170	49
175°	153	150	153	150	153	15
180°	150	150	150	150	150	



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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°	15.8	15.0	15.3	15.8	15.3	15.7	16.1	16.5	17.0	17.5	17.7
90°	8.8	9.1	8.8	8.5	8.8	8.2	7.9	7.6	7.3	7.6	6.7
92.5°	14.6	15.2	14.9	15.8	16.4	17.9	20.3	25.7	35.3	46.8	51.5
95°	35.3	36.5	38.7	41.4	47.2	58.1	74.2	109.5	146.4	180.5	160.7
97.5°	96.1	98.7	106.9	120.6	143.1	179.4	218.7	273.0	299.1	279.7	204.7
100°	190.8	190.5	202.3	224.5	255.3	298.5	334.1	358.7	348.1	288.2	194.8
102.5°	279.8	286.9	296.8	314.4	338.3	365.7	386.4	387.2	350.5	272.3	180.1
105°	387.0	388.6	398.3	409.8	423.9	431.7	425.9	395.5	331.9	244.6	162.2
107.5°	448.8	451.5	454.8	458.7	458.5	447.6	420.9	371.5	299.5	220.2	150.8
110°	474.1	474.7	475.3	472.9	464.3	443.0	404.7	348.7	279.1	206.3	146.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	479.1	479.1	476.7	469.2	453.6	426.2	383.2	326.1	261.2	197.0	143.9
115°	470.7	469.2	463.0	449.7	426.9	393.7	349.0	296.0	239.8	187.1	143.0
117.5°	443.8	441.7	433.0	417.7	393.8	360.2	320.0	274.3	226.8	181.2	143.5
120°	421.4	419.6	412.2	395.2	371.2	340.4	303.9	262.9	220.0	178.6	144.6
122.5°	400.5	398.1	390.1	374.8	353.4	324.9	291.0	253.9	214.4	176.9	146.2
125°	371.2	369.1	361.4	348.1	328.6	304.3	275.1	241.9	207.2	174.6	148.8
127.5°	347.1	345.2	338.3	326.8	309.5	287.3	261.0	231.4	200.9	173.6	151.7
130°	333.5	331.1	324.7	313.7	297.6	276.9	252.3	224.8	197.4	172.8	153.7
132.5°	320.1	318.4	312.7	301.8	286.6	266.9	243.9	218.8	194.3	172.5	155.2
135°	300.9	298.8	293.3	284.2	269.2	251.9	232.1	210.5	190.2	172.2	157.3
137.5°	280.7	279.2	274.7	265.4	252.9	237.8	220.8	203.0	186.6	171.5	158.8
140°	266.6	266.8	262.0	253.5	241.9	228.8	214.2	198.7	184.3	171.3	159.7
142.5°	253.4	253.7	249.3	241.8	231.9	220.5	207.8	194.6	182.4	170.8	160.5
145°	235.2	234.6	232.1	225.8	218.2	209.3	199.6	189.6	179.8	170.0	160.9
147.5°	220.2	220.0	217.7	213.4	207.6	201.3	193.5	185.5	177.3	168.9	160.9
150°	211.5	211.5	209.7	206.3	201.7	196.0	189.6	182.5	175.6	168.0	160.9
152.5°	204.1	204.1	203.0	199.9	196.4	191.6	185.9	179.9	173.6	166.8	160.2
155°	195.0	194.8	194.2	191.7	188.9	185.3	180.7	175.9	170.7	164.6	159.5
157.5°	186.7	186.8	186.2	184.4	182.1	179.2	175.6	171.6	167.4	162.7	158.4
160°	181.3	181.7	181.7	179.8	177.7	175.6	172.5	169.2	165.2	161.3	157.9
162.5°	176.5	176.8	176.8	175.2	173.8	171.9	169.1	166.3	163.0	159.8	157.0
165°	170.0	170.0	170.4	169.2	168.0	166.4	164.3	162.5	160.1	157.6	155.5
167.5°	164.0	164.0	164.3	163.4	162.9	161.8	160.6	159.2	157.2	155.4	154.0
170°	160.3	160.3	160.7	160.1	159.7	159.1	157.9	157.0	155.5	153.9	153.1
172.5°	157.0	157.2	157.7	157.1	157.0	156.7	155.8	155.1	153.8	152.7	152.3
175°	153.1	153.3	153.7	153.3	153.3	153.3	152.7	152.4	151.8	151.2	151.2
177.5°	150.8	150.8	151.3	151.0	151.3	151.3	151.0	150.8	150.6	150.3	150.6
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



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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°	18.5	18.8	17.2	15.2	14.1	12.6	12.4	11.4	10.6	10.7	10.4
90°	5.8	4.9	4.0	3.4	2.8	1.8	1.2	0.6	1.2	1.8	2.8
92.5°	38.7	25.6	17.6	13.1	10.5	8.2	5.6	3.8	5.6	8.2	10.5
95°	110.7	65.4	39.5	27.7	19.8	14.6	11.3	10.3	11.3	14.6	19.8
97.5°	121.5	70.4	45.7	32.9	25.1	20.6	17.9	17.7	17.9	20.6	25.1
100°	114.7	69.7	48.4	36.5	29.2	25.0	22.8	22.6	22.8	25.0	29.2
102.5°	108.8	70.7	51.6	40.6	34.1	30.0	28.2	27.6	28.2	30.0	34.1
105°	104.7	73.4	56.9	47.4	41.7	38.1	36.2	35.3	36.2	38.1	41.7
107.5°	104.4	78.4	63.9	55.1	49.7	46.1	44.3	43.5	44.3	46.1	49.7
110°	105.6	82.5	68.8	60.3	55.1	51.7	50.2	49.2	50.2	51.7	55.1



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	108.1	86.6	73.9	65.6	60.4	57.1	55.5	54.7	55.5	57.1	60.4
115°	111.9	93.4	81.9	73.6	68.4	65.4	63.6	62.3	63.6	65.4	68.4
117.5°	117.2	100.7	89.2	81.6	75.9	73.0	71.5	70.1	71.5	73.0	75.9
120°	121.1	105.3	94.3	86.7	80.9	77.9	76.4	75.4	76.4	77.9	80.9
122.5°	124.8	110.1	99.4	91.4	85.8	82.5	81.0	80.1	81.0	82.5	85.8
125°	130.5	117.2	106.5	98.2	92.5	89.1	87.3	86.7	87.3	89.1	92.5
127.5°	135.3	123.2	113.0	104.7	98.3	95.0	92.6	91.8	92.6	95.0	98.3
130°	138.4	126.9	116.8	108.7	102.2	98.6	95.8	95.0	95.8	98.6	102.2
132.5°	141.4	130.0	120.3	112.3	105.9	101.5	98.5	97.4	98.5	101.5	105.9
135°	145.2	134.7	125.4	117.2	110.7	106.2	102.8	101.6	102.8	106.2	110.7
137.5°	147.9	138.1	129.0	121.4	115.0	110.2	106.9	105.6	106.9	110.2	115.0
140°	149.4	140.3	131.5	123.8	117.8	112.9	109.9	108.3	109.9	112.9	117.8
142.5°	150.8	142.0	133.4	126.3	120.2	115.8	112.5	111.2	112.5	115.8	120.2
145°	152.4	144.2	136.3	129.3	124.2	119.6	116.8	115.9	116.8	119.6	124.2
147.5°	153.4	146.0	138.8	132.9	127.9	123.9	121.2	120.7	121.2	123.9	127.9
150°	153.7	147.2	140.3	134.7	130.5	126.6	124.2	123.8	124.2	126.6	130.5
152.5°	154.1	148.0	142.0	136.7	132.9	129.5	127.1	127.0	127.1	129.5	132.9
155°	154.3	149.4	144.2	140.0	136.6	133.5	131.7	131.7	131.7	133.5	136.6
157.5°	154.5	150.2	146.0	142.8	139.9	137.2	135.8	135.5	135.8	137.2	139.9
160°	154.5	150.9	147.2	144.2	142.1	139.7	138.4	138.4	138.4	139.7	142.1
162.5°	154.3	151.2	148.0	145.4	143.5	141.6	140.6	140.6	140.6	141.6	143.5
165°	153.7	151.5	149.1	147.0	145.8	144.2	143.6	143.9	143.6	144.2	145.8
167.5°	153.2	151.4	149.7	148.4	147.5	146.4	146.0	146.4	146.0	146.4	147.5
170°	152.4	151.2	149.7	149.1	148.4	147.6	147.2	147.8	147.2	147.6	148.4
172.5°	152.2	151.2	149.9	149.6	149.2	148.5	148.4	148.9	148.4	148.5	149.2
175°	151.5	150.9	150.3	150.0	150.0	149.4	149.7	150.0	149.7	149.4	150.0
177.5°	151.0	150.6	150.3	150.3	150.3	150.1	150.3	150.6	150.3	150.1	150.3
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-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°	10.1	10.7	10.3	11.0	10.7	11.4	11.3	10.4	10.5	12.0	10.2
90°	3.4	4.0	4.9	5.8	6.7	7.6	7.3	7.6	7.9	8.2	8.8
92.5°	13.1	17.6	25.6	38.7	51.5	46.8	35.3	25.7	20.3	17.9	16.4
95°	27.7	39.5	65.4	110.7	160.7	180.5	146.4	109.5	74.2	58.1	47.2
97.5°	32.9	45.7	70.4	121.5	204.7	279.7	299.1	273.0	218.7	179.4	143.1
100°	36.5	48.4	69.7	114.7	194.8	288.2	348.1	358.7	334.1	298.5	255.3
102.5°	40.6	51.6	70.7	108.8	180.1	272.3	350.5	387.2	386.4	365.7	338.3
105°	47.4	56.9	73.4	104.7	162.2	244.6	331.9	395.5	425.9	431.7	423.9
107.5°	55.1	63.9	78.4	104.4	150.8	220.2	299.5	371.5	420.9	447.6	458.5
110°	60.3	68.8	82.5	105.6	146.4	206.3	279.1	348.7	404.7	443.0	464.3



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	65.6	73.9	86.6	108.1	143.9	197.0	261.2	326.1	383.2	426.2	453.6
115°	73.6	81.9	93.4	111.9	143.0	187.1	239.8	296.0	349.0	393.7	426.9
117.5°	81.6	89.2	100.7	117.2	143.5	181.2	226.8	274.3	320.0	360.2	393.8
120°	86.7	94.3	105.3	121.1	144.6	178.6	220.0	262.9	303.9	340.4	371.2
122.5°	91.4	99.4	110.1	124.8	146.2	176.9	214.4	253.9	291.0	324.9	353.4
125°	98.2	106.5	117.2	130.5	148.8	174.6	207.2	241.9	275.1	304.3	328.6
127.5°	104.7	113.0	123.2	135.3	151.7	173.6	200.9	231.4	261.0	287.3	309.5
130°	108.7	116.8	126.9	138.4	153.7	172.8	197.4	224.8	252.3	276.9	297.6
132.5°	112.3	120.3	130.0	141.4	155.2	172.5	194.3	218.8	243.9	266.9	286.6
135°	117.2	125.4	134.7	145.2	157.3	172.2	190.2	210.5	232.1	251.9	269.2
137.5°	121.4	129.0	138.1	147.9	158.8	171.5	186.6	203.0	220.8	237.8	252.9
140°	123.8	131.5	140.3	149.4	159.7	171.3	184.3	198.7	214.2	228.8	241.9
142.5°	126.3	133.4	142.0	150.8	160.5	170.8	182.4	194.6	207.8	220.5	231.9
145°	129.3	136.3	144.2	152.4	160.9	170.0	179.8	189.6	199.6	209.3	218.2
147.5°	132.9	138.8	146.0	153.4	160.9	168.9	177.3	185.5	193.5	201.3	207.6
150°	134.7	140.3	147.2	153.7	160.9	168.0	175.6	182.5	189.6	196.0	201.7
152.5°	136.7	142.0	148.0	154.1	160.2	166.8	173.6	179.9	185.9	191.6	196.4
155°	140.0	144.2	149.4	154.3	159.5	164.6	170.7	175.9	180.7	185.3	188.9
157.5°	142.8	146.0	150.2	154.5	158.4	162.7	167.4	171.6	175.6	179.2	182.1
160°	144.2	147.2	150.9	154.5	157.9	161.3	165.2	169.2	172.5	175.6	177.7
162.5°	145.4	148.0	151.2	154.3	157.0	159.8	163.0	166.3	169.1	171.9	173.8
165°	147.0	149.1	151.5	153.7	155.5	157.6	160.1	162.5	164.3	166.4	168.0
167.5°	148.4	149.7	151.4	153.2	154.0	155.4	157.2	159.2	160.6	161.8	162.9
170°	149.1	149.7	151.2	152.4	153.1	153.9	155.5	157.0	157.9	159.1	159.7
172.5°	149.6	149.9	151.2	152.2	152.3	152.7	153.8	155.1	155.8	156.7	157.0
175°	150.0	150.3	150.9	151.5	151.2	151.2	151.8	152.4	152.7	153.3	153.3
177.5°	150.3	150.3	150.6	151.0	150.6	150.3	150.6	150.8	151.0	151.3	151.3
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-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°	10.2	10.2	9.8	9.3	9.8	10.2	10.2	10.2	12.0	10.5	10.4
90°	8.5	8.8	9.1	8.8	9.1	8.8	8.5	8.8	8.2	7.9	7.6
92.5°	15.8	14.9	15.2	14.6	15.2	14.9	15.8	16.4	17.9	20.3	25.7
95°	41.4	38.7	36.5	35.3	36.5	38.7	41.4	47.2	58.1	74.2	109.5
97.5°	120.6	106.9	98.7	96.1	98.7	106.9	120.6	143.1	179.4	218.7	273.0
100°	224.5	202.3	190.5	190.8	190.5	202.3	224.5	255.3	298.5	334.1	358.7
102.5°	314.4	296.8	286.9	279.8	286.9	296.8	314.4	338.3	365.7	386.4	387.2
105°	409.8	398.3	388.6	387.0	388.6	398.3	409.8	423.9	431.7	425.9	395.5
107.5°	458.7	454.8	451.5	448.8	451.5	454.8	458.7	458.5	447.6	420.9	371.5
110°	472.9	475.3	474.7	474.1	474.7	475.3	472.9	464.3	443.0	404.7	348.7



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	469.2	476.7	479.1	479.1	479.1	476.7	469.2	453.6	426.2	383.2	326.1
115°	449.7	463.0	469.2	470.7	469.2	463.0	449.7	426.9	393.7	349.0	296.0
117.5°	417.7	433.0	441.7	443.8	441.7	433.0	417.7	393.8	360.2	320.0	274.3
120°	395.2	412.2	419.6	421.4	419.6	412.2	395.2	371.2	340.4	303.9	262.9
122.5°	374.8	390.1	398.1	400.5	398.1	390.1	374.8	353.4	324.9	291.0	253.9
125°	348.1	361.4	369.1	371.2	369.1	361.4	348.1	328.6	304.3	275.1	241.9
127.5°	326.8	338.3	345.2	347.1	345.2	338.3	326.8	309.5	287.3	261.0	231.4
130°	313.7	324.7	331.1	333.5	331.1	324.7	313.7	297.6	276.9	252.3	224.8
132.5°	301.8	312.7	318.4	320.1	318.4	312.7	301.8	286.6	266.9	243.9	218.8
135°	284.2	293.3	298.8	300.9	298.8	293.3	284.2	269.2	251.9	232.1	210.5
137.5°	265.4	274.7	279.2	280.7	279.2	274.7	265.4	252.9	237.8	220.8	203.0
140°	253.5	262.0	266.8	266.6	266.8	262.0	253.5	241.9	228.8	214.2	198.7
142.5°	241.8	249.3	253.7	253.4	253.7	249.3	241.8	231.9	220.5	207.8	194.6
145°	225.8	232.1	234.6	235.2	234.6	232.1	225.8	218.2	209.3	199.6	189.6
147.5°	213.4	217.7	220.0	220.2	220.0	217.7	213.4	207.6	201.3	193.5	185.5
150°	206.3	209.7	211.5	211.5	211.5	209.7	206.3	201.7	196.0	189.6	182.5
152.5°	199.9	203.0	204.1	204.1	204.1	203.0	199.9	196.4	191.6	185.9	179.9
155°	191.7	194.2	194.8	195.0	194.8	194.2	191.7	188.9	185.3	180.7	175.9
157.5°	184.4	186.2	186.8	186.7	186.8	186.2	184.4	182.1	179.2	175.6	171.6
160°	179.8	181.7	181.7	181.3	181.7	181.7	179.8	177.7	175.6	172.5	169.2
162.5°	175.2	176.8	176.8	176.5	176.8	176.8	175.2	173.8	171.9	169.1	166.3
165°	169.2	170.4	170.0	170.0	170.0	170.4	169.2	168.0	166.4	164.3	162.5
167.5°	163.4	164.3	164.0	164.0	164.0	164.3	163.4	162.9	161.8	160.6	159.2
170°	160.1	160.7	160.3	160.3	160.3	160.7	160.1	159.7	159.1	157.9	157.0
172.5°	157.1	157.7	157.2	157.0	157.2	157.7	157.1	157.0	156.7	155.8	155.1
175°	153.3	153.7	153.3	153.1	153.3	153.7	153.3	153.3	153.3	152.7	152.4
177.5°	151.0	151.3	150.8	150.8	150.8	151.3	151.0	151.3	151.3	151.0	150.8
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-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°	11.3	11.4	10.7	11.0	10.3	10.7	10.1	10.4	10.7	10.6	11.4
90°	7.3	7.6	6.7	5.8	4.9	4.0	3.4	2.8	1.8	1.2	0.6
92.5°	35.3	46.8	51.5	38.7	25.6	17.6	13.1	10.5	8.2	5.6	3.8
95°	146.4	180.5	160.7	110.7	65.4	39.5	27.7	19.8	14.6	11.3	10.3
97.5°	299.1	279.7	204.7	121.5	70.4	45.7	32.9	25.1	20.6	17.9	17.7
100°	348.1	288.2	194.8	114.7	69.7	48.4	36.5	29.2	25.0	22.8	22.6
102.5°	350.5	272.3	180.1	108.8	70.7	51.6	40.6	34.1	30.0	28.2	27.6
105°	331.9	244.6	162.2	104.7	73.4	56.9	47.4	41.7	38.1	36.2	35.3
107.5°	299.5	220.2	150.8	104.4	78.4	63.9	55.1	49.7	46.1	44.3	43.5
110°	279.1	206.3	146.4	105.6	82.5	68.8	60.3	55.1	51.7	50.2	49.2



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	261.2	197.0	143.9	108.1	86.6	73.9	65.6	60.4	57.1	55.5	54.7
115°	239.8	187.1	143.0	111.9	93.4	81.9	73.6	68.4	65.4	63.6	62.3
117.5°	226.8	181.2	143.5	117.2	100.7	89.2	81.6	75.9	73.0	71.5	70.1
120°	220.0	178.6	144.6	121.1	105.3	94.3	86.7	80.9	77.9	76.4	75.4
122.5°	214.4	176.9	146.2	124.8	110.1	99.4	91.4	85.8	82.5	81.0	80.1
125°	207.2	174.6	148.8	130.5	117.2	106.5	98.2	92.5	89.1	87.3	86.7
127.5°	200.9	173.6	151.7	135.3	123.2	113.0	104.7	98.3	95.0	92.6	91.8
130°	197.4	172.8	153.7	138.4	126.9	116.8	108.7	102.2	98.6	95.8	95.0
132.5°	194.3	172.5	155.2	141.4	130.0	120.3	112.3	105.9	101.5	98.5	97.4
135°	190.2	172.2	157.3	145.2	134.7	125.4	117.2	110.7	106.2	102.8	101.6
137.5°	186.6	171.5	158.8	147.9	138.1	129.0	121.4	115.0	110.2	106.9	105.6
140°	184.3	171.3	159.7	149.4	140.3	131.5	123.8	117.8	112.9	109.9	108.3
142.5°	182.4	170.8	160.5	150.8	142.0	133.4	126.3	120.2	115.8	112.5	111.2
145°	179.8	170.0	160.9	152.4	144.2	136.3	129.3	124.2	119.6	116.8	115.9
147.5°	177.3	168.9	160.9	153.4	146.0	138.8	132.9	127.9	123.9	121.2	120.7
150°	175.6	168.0	160.9	153.7	147.2	140.3	134.7	130.5	126.6	124.2	123.8
152.5°	173.6	166.8	160.2	154.1	148.0	142.0	136.7	132.9	129.5	127.1	127.0
155°	170.7	164.6	159.5	154.3	149.4	144.2	140.0	136.6	133.5	131.7	131.7
157.5°	167.4	162.7	158.4	154.5	150.2	146.0	142.8	139.9	137.2	135.8	135.5
160°	165.2	161.3	157.9	154.5	150.9	147.2	144.2	142.1	139.7	138.4	138.4
162.5°	163.0	159.8	157.0	154.3	151.2	148.0	145.4	143.5	141.6	140.6	140.6
165°	160.1	157.6	155.5	153.7	151.5	149.1	147.0	145.8	144.2	143.6	143.9
167.5°	157.2	155.4	154.0	153.2	151.4	149.7	148.4	147.5	146.4	146.0	146.4
170°	155.5	153.9	153.1	152.4	151.2	149.7	149.1	148.4	147.6	147.2	147.8
172.5°	153.8	152.7	152.3	152.2	151.2	149.9	149.6	149.2	148.5	148.4	148.9
175°	151.8	151.2	151.2	151.5	150.9	150.3	150.0	150.0	149.4	149.7	150.0
177.5°	150.6	150.3	150.6	151.0	150.6	150.3	150.3	150.3	150.1	150.3	150.6
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332002-935

CATALOG NUMBER: S123DIP-S1000D365U935-4F0-1E-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°	12.4	12.6	14.1	15.2	17.2	18.8	18.5	17.7	17.5	17.0	16.5
90°	1.2	1.8	2.8	3.4	4.0	4.9	5.8	6.7	7.6	7.3	7.6
92.5°	5.6	8.2	10.5	13.1	17.6	25.6	38.7	51.5	46.8	35.3	25.7
95°	11.3	14.6	19.8	27.7	39.5	65.4	110.7	160.7	180.5	146.4	109.5
97.5°	17.9	20.6	25.1	32.9	45.7	70.4	121.5	204.7	279.7	299.1	273.0
100°	22.8	25.0	29.2	36.5	48.4	69.7	114.7	194.8	288.2	348.1	358.7
102.5°	28.2	30.0	34.1	40.6	51.6	70.7	108.8	180.1	272.3	350.5	387.2
105°	36.2	38.1	41.7	47.4	56.9	73.4	104.7	162.2	244.6	331.9	395.5
107.5°	44.3	46.1	49.7	55.1	63.9	78.4	104.4	150.8	220.2	299.5	371.5
110°	50.2	51.7	55.1	60.3	68.8	82.5	105.6	146.4	206.3	279.1	348.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.5	57.1	60.4	65.6	73.9	86.6	108.1	143.9	197.0	261.2	326.1
115°	63.6	65.4	68.4	73.6	81.9	93.4	111.9	143.0	187.1	239.8	296.0
117.5°	71.5	73.0	75.9	81.6	89.2	100.7	117.2	143.5	181.2	226.8	274.3
120°	76.4	77.9	80.9	86.7	94.3	105.3	121.1	144.6	178.6	220.0	262.9
122.5°	81.0	82.5	85.8	91.4	99.4	110.1	124.8	146.2	176.9	214.4	253.9
125°	87.3	89.1	92.5	98.2	106.5	117.2	130.5	148.8	174.6	207.2	241.9
127.5°	92.6	95.0	98.3	104.7	113.0	123.2	135.3	151.7	173.6	200.9	231.4
130°	95.8	98.6	102.2	108.7	116.8	126.9	138.4	153.7	172.8	197.4	224.8
132.5°	98.5	101.5	105.9	112.3	120.3	130.0	141.4	155.2	172.5	194.3	218.8
135°	102.8	106.2	110.7	117.2	125.4	134.7	145.2	157.3	172.2	190.2	210.5
137.5°	106.9	110.2	115.0	121.4	129.0	138.1	147.9	158.8	171.5	186.6	203.0
140°	109.9	112.9	117.8	123.8	131.5	140.3	149.4	159.7	171.3	184.3	198.7
142.5°	112.5	115.8	120.2	126.3	133.4	142.0	150.8	160.5	170.8	182.4	194.6
145°	116.8	119.6	124.2	129.3	136.3	144.2	152.4	160.9	170.0	179.8	189.6
147.5°	121.2	123.9	127.9	132.9	138.8	146.0	153.4	160.9	168.9	177.3	185.5
150°	124.2	126.6	130.5	134.7	140.3	147.2	153.7	160.9	168.0	175.6	182.5
152.5°	127.1	129.5	132.9	136.7	142.0	148.0	154.1	160.2	166.8	173.6	179.9
155°	131.7	133.5	136.6	140.0	144.2	149.4	154.3	159.5	164.6	170.7	175.9
157.5°	135.8	137.2	139.9	142.8	146.0	150.2	154.5	158.4	162.7	167.4	171.6
160°	138.4	139.7	142.1	144.2	147.2	150.9	154.5	157.9	161.3	165.2	169.2
162.5°	140.6	141.6	143.5	145.4	148.0	151.2	154.3	157.0	159.8	163.0	166.3
165°	143.6	144.2	145.8	147.0	149.1	151.5	153.7	155.5	157.6	160.1	162.5
167.5°	146.0	146.4	147.5	148.4	149.7	151.4	153.2	154.0	155.4	157.2	159.2
170°	147.2	147.6	148.4	149.1	149.7	151.2	152.4	153.1	153.9	155.5	157.0
172.5°	148.4	148.5	149.2	149.6	149.9	151.2	152.2	152.3	152.7	153.8	155.1
175°	149.7	149.4	150.0	150.0	150.3	150.9	151.5	151.2	151.2	151.8	152.4
177.5°	150.3	150.1	150.3	150.3	150.3	150.6	151.0	150.6	150.3	150.6	150.8
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



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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°	16.1	15.7	15.3	15.8	15.3	15.0	15.8
90°	7.9	8.2	8.8	8.5	8.8	9.1	8.8
92.5°	20.3	17.9	16.4	15.8	14.9	15.2	14.6
95°	74.2	58.1	47.2	41.4	38.7	36.5	35.3
97.5°	218.7	179.4	143.1	120.6	106.9	98.7	96.1
100°	334.1	298.5	255.3	224.5	202.3	190.5	190.8
102.5°	386.4	365.7	338.3	314.4	296.8	286.9	279.8
105°	425.9	431.7	423.9	409.8	398.3	388.6	387.0
107.5°	420.9	447.6	458.5	458.7	454.8	451.5	448.8
110°	404.7	443.0	464.3	472.9	475.3	474.7	474.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	383.2	426.2	453.6	469.2	476.7	479.1	479.1
115°	349.0	393.7	426.9	449.7	463.0	469.2	470.7
117.5°	320.0	360.2	393.8	417.7	433.0	441.7	443.8
120°	303.9	340.4	371.2	395.2	412.2	419.6	421.4
122.5°	291.0	324.9	353.4	374.8	390.1	398.1	400.5
125°	275.1	304.3	328.6	348.1	361.4	369.1	371.2
127.5°	261.0	287.3	309.5	326.8	338.3	345.2	347.1
130°	252.3	276.9	297.6	313.7	324.7	331.1	333.5
132.5°	243.9	266.9	286.6	301.8	312.7	318.4	320.1
135°	232.1	251.9	269.2	284.2	293.3	298.8	300.9
137.5°	220.8	237.8	252.9	265.4	274.7	279.2	280.7
140°	214.2	228.8	241.9	253.5	262.0	266.8	266.6
142.5°	207.8	220.5	231.9	241.8	249.3	253.7	253.4
145°	199.6	209.3	218.2	225.8	232.1	234.6	235.2
147.5°	193.5	201.3	207.6	213.4	217.7	220.0	220.2
150°	189.6	196.0	201.7	206.3	209.7	211.5	211.5
152.5°	185.9	191.6	196.4	199.9	203.0	204.1	204.1
155°	180.7	185.3	188.9	191.7	194.2	194.8	195.0
157.5°	175.6	179.2	182.1	184.4	186.2	186.8	186.7
160°	172.5	175.6	177.7	179.8	181.7	181.7	181.3
162.5°	169.1	171.9	173.8	175.2	176.8	176.8	176.5
165°	164.3	166.4	168.0	169.2	170.4	170.0	170.0
167.5°	160.6	161.8	162.9	163.4	164.3	164.0	164.0
170°	157.9	159.1	159.7	160.1	160.7	160.3	160.3
172.5°	155.8	156.7	157.0	157.1	157.7	157.2	157.0
175°	152.7	153.3	153.3	153.3	153.7	153.3	153.1
177.5°	151.0	151.3	151.3	151.0	151.3	150.8	150.8
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3

(END OF REPORT)