

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: P331957-935

Luminaire Tested: **S123DIP-S775D365U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331957-935
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-S775D365U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 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: 3940.0 lumens
Efficiency: N/A
Efficacy: 112.6 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

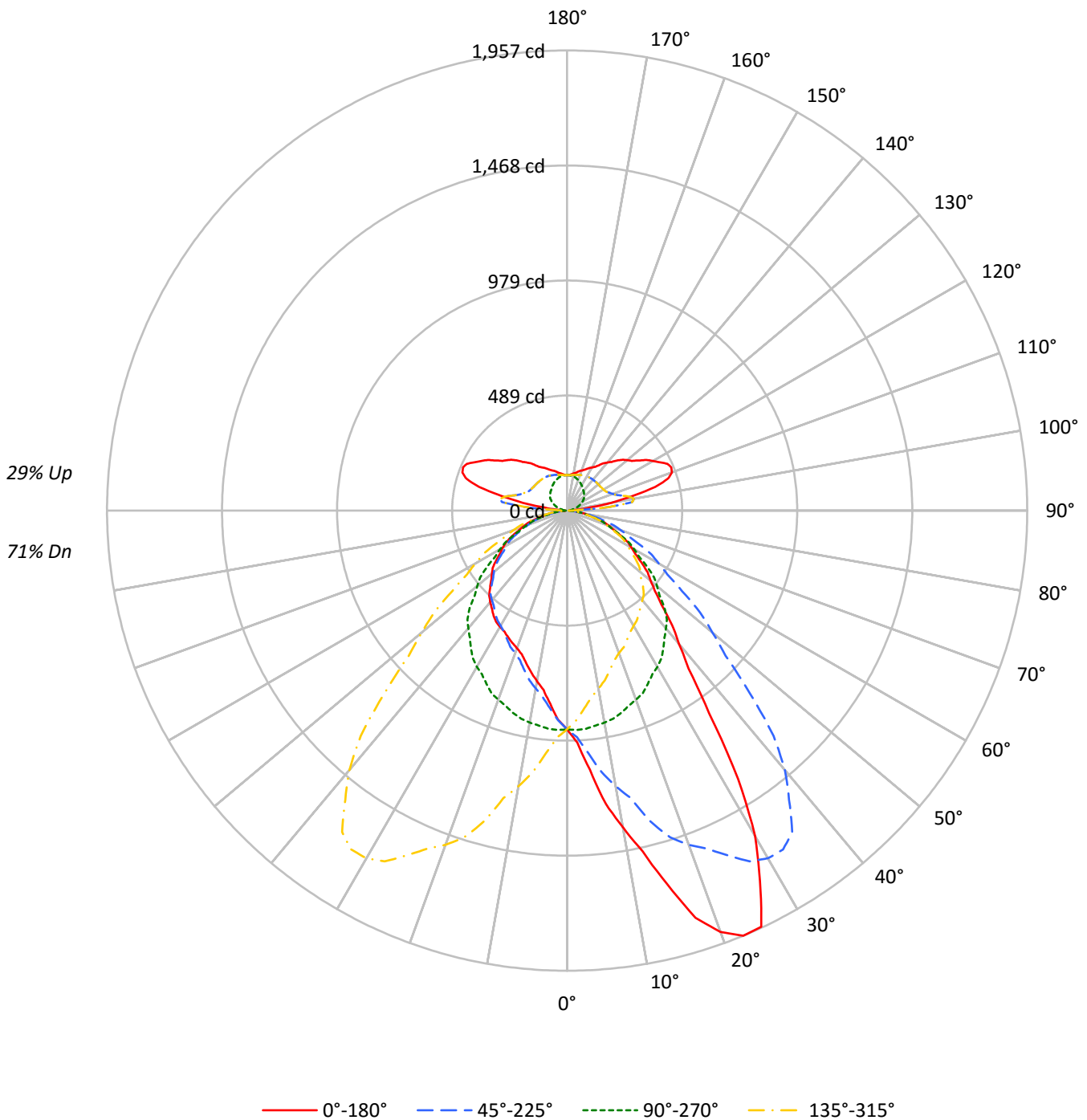
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	99	95	91	97	94	90	87	84	82	79	76	74	72	68	66	65	61
2	94	87	80	75	89	82	77	72	74	70	66	67	63	61	60	57	55	52
3	86	76	69	63	81	73	66	61	66	60	56	59	55	52	53	50	47	44
4	79	68	60	54	75	65	58	52	59	53	48	53	48	45	48	44	41	38
5	73	61	53	46	69	58	51	45	53	47	42	48	43	39	43	39	36	33
6	67	55	46	41	63	52	45	39	48	41	37	43	38	34	39	35	32	29
7	62	50	41	36	59	47	40	35	43	37	33	40	34	30	36	32	28	26
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	23
9	54	41	34	29	51	40	33	28	36	30	26	33	28	25	31	26	23	21
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10014	10014	10014	10014
5°	11943	10057	8912	10057
10°	14948	10006	8050	10006
15°	18333	9926	7494	9926
20°	21841	9800	7135	9800
25°	23192	9647	7056	9647
30°	19877	9536	7093	9536
35°	13825	9376	7167	9376
40°	10413	9190	7144	9190
45°	8645	8914	7054	8914
50°	7743	8348	6990	8348
55°	7240	7739	6902	7739
60°	6794	7102	6833	7102
65°	6383	6477	6612	6477
70°	5986	5759	6297	5759
75°	5361	5041	5772	5041
80°	4699	4135	4971	4135
85°	3680	3013	3335	3013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	2.3
10°-20°	293.9	7.5
20°-30°	493.2	12.5
30°-40°	558.5	14.2
40°-50°	500.8	12.7
50°-60°	404.1	10.3
60°-70°	281.6	7.1
70°-80°	148.0	3.8
80°-90°	37.4	0.9
90°-100°	83.7	2.1
100°-110°	236.9	6.0
110°-120°	233.0	5.9
120°-130°	185.8	4.7
130°-140°	146.5	3.7
140°-150°	109.4	2.8
150°-160°	76.2	1.9
160°-170°	44.8	1.1
170°-180°	14.6	0.4
0°-30°	878.7	22.3
0°-40°	1437.2	36.5
0°-60°	2342.1	59.4
0°-90°	2809.1	71.3
90°-120°	553.5	14.0
90°-150°	995.3	25.3
90°-180°	1131.0	28.7
0°-180°	3940.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	1105	931	825	931	1105	115
15°	1645	891	672	891	1645	475
25°	1953	812	594	812	1953	856
35°	1052	714	545	714	1052	684
45°	568	586	463	586	568	449
55°	386	412	368	412	386	346
65°	251	254	260	254	251	250
75°	129	121	139	121	129	138
85°	30	24	27	24	30	35
90°	9	1	9	1	9	6
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°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	987.3	986.6	984.8	986.3	983.3	979.4	979.0	975.4	964.9	964.2	961.4
5°	1105.3	1101.6	1101.2	1100.7	1094.4	1085.9	1069.6	1068.2	1046.6	1035.8	1022.8
7.5°	1257.9	1259.8	1253.3	1247.5	1228.2	1215.5	1198.1	1175.8	1149.3	1122.3	1104.3
10°	1367.6	1382.4	1364.0	1351.3	1339.6	1317.5	1291.8	1259.8	1227.9	1190.4	1162.0
12.5°	1485.1	1492.5	1488.8	1476.9	1458.6	1425.0	1379.5	1344.2	1314.7	1252.4	1227.3
15°	1645.2	1672.8	1655.2	1614.5	1615.5	1583.5	1524.0	1458.6	1423.9	1369.3	1295.0
17.5°	1815.8	1819.2	1811.7	1778.0	1755.4	1711.4	1656.5	1593.9	1523.5	1457.5	1378.6
20°	1906.7	1903.9	1888.2	1870.6	1831.9	1797.6	1737.7	1667.8	1577.6	1512.7	1426.6
22.5°	1957.1	1952.7	1945.2	1930.4	1898.2	1861.4	1807.6	1731.2	1645.5	1556.0	1456.6
25°	1952.7	1958.5	1959.4	1955.3	1944.1	1922.0	1879.6	1818.8	1733.1	1618.2	1514.5
27.5°	1776.0	1784.3	1808.4	1829.7	1853.6	1877.9	1874.7	1844.4	1781.1	1681.9	1555.1
30°	1599.2	1581.2	1625.8	1682.2	1720.5	1788.1	1826.0	1828.2	1792.6	1707.4	1583.9
32.5°	1354.0	1373.9	1393.6	1462.9	1546.7	1622.6	1698.0	1758.7	1765.6	1708.9	1600.9
35°	1052.1	1076.9	1112.9	1148.9	1239.2	1316.6	1449.1	1564.5	1656.5	1668.7	1602.4
37.5°	847.7	860.1	882.9	918.9	977.9	1069.9	1172.4	1318.3	1451.5	1550.6	1554.9
40°	741.1	744.7	770.3	797.8	845.6	921.4	1013.7	1142.6	1302.2	1440.6	1498.3
42.5°	661.0	668.9	679.8	706.2	744.2	801.2	887.2	993.7	1140.0	1299.2	1412.1
45°	567.9	577.0	583.8	601.3	628.4	666.7	726.6	824.0	935.3	1099.8	1251.7
47.5°	506.4	507.2	512.2	525.5	543.9	572.7	615.0	677.6	779.8	913.2	1069.2
50°	462.4	469.7	471.5	481.8	496.3	517.5	552.6	605.8	689.7	806.8	950.2
52.5°	431.4	433.6	438.7	446.2	458.7	475.3	505.8	547.4	613.2	713.1	844.9
55°	385.8	385.8	390.8	396.7	403.9	418.7	439.0	469.7	519.7	597.3	706.4
57.5°	343.6	345.9	349.4	351.2	357.3	367.2	384.1	407.4	444.7	504.4	591.1
60°	315.6	319.6	319.2	322.7	328.1	335.8	350.3	369.2	402.5	450.3	523.3
62.5°	291.0	290.8	290.7	295.0	300.4	307.7	317.0	333.5	361.8	404.2	466.3
65°	250.6	249.7	252.9	255.5	257.4	262.8	270.0	284.4	303.3	334.9	383.1
67.5°	214.7	212.2	213.9	214.7	217.8	222.1	228.8	237.7	252.8	278.1	314.4
70°	190.2	188.0	187.5	188.4	191.1	194.2	199.2	207.8	221.8	242.0	268.6
72.5°	165.0	163.4	163.3	165.3	166.6	168.7	172.2	180.0	191.1	206.4	231.2
75°	128.9	128.9	128.9	129.3	130.7	132.5	135.3	139.3	147.8	158.7	175.3
77.5°	96.6	96.5	96.0	95.9	97.9	98.8	99.4	103.1	107.9	115.2	127.3
80°	75.8	73.4	74.4	75.8	76.6	77.1	78.4	79.3	83.4	87.5	96.0
82.5°	56.2	54.3	54.5	56.7	56.8	57.3	58.6	59.8	61.4	65.1	69.7
85°	29.8	29.8	30.2	30.2	30.7	30.2	31.5	32.0	32.0	34.3	36.9
87.5°	12.6	11.9	12.2	12.5	12.2	12.5	12.7	13.1	13.3	13.8	13.9
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°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	959.2	956.3	953.4	948.4	944.1	937.9	936.1	933.9	927.5	921.7	917.4
5°	1017.8	1006.9	991.2	976.8	965.1	949.3	940.3	930.8	917.3	905.1	895.2
7.5°	1079.1	1057.8	1033.3	1006.8	982.1	958.3	939.1	922.0	903.0	885.1	871.2
10°	1127.7	1097.1	1062.9	1025.9	994.4	963.7	938.0	915.5	891.1	870.0	852.4
12.5°	1183.3	1137.9	1090.6	1045.8	1008.4	965.9	934.8	906.1	878.5	853.0	833.3
15°	1249.1	1191.4	1135.4	1073.7	1016.9	963.7	926.8	890.7	858.7	832.5	807.3
17.5°	1308.9	1243.5	1169.8	1094.8	1026.2	963.2	911.5	870.6	830.6	798.7	773.5
20°	1342.8	1268.4	1185.0	1107.1	1031.3	961.0	904.2	855.5	812.3	778.4	750.0
22.5°	1372.0	1285.0	1198.7	1115.3	1031.0	955.2	890.9	840.8	793.8	760.8	730.6
25°	1402.3	1298.1	1211.6	1113.8	1019.6	941.2	869.0	812.3	765.3	726.6	695.5
27.5°	1428.2	1297.3	1194.6	1089.3	1001.8	923.2	846.1	785.2	735.5	693.4	661.8
30°	1445.5	1299.1	1176.9	1072.8	984.5	903.3	828.5	767.2	714.9	672.1	642.3
32.5°	1456.4	1298.0	1160.7	1049.7	957.0	885.3	809.3	745.9	692.2	650.1	621.4
35°	1462.7	1290.0	1132.7	1002.0	912.7	842.9	779.4	713.5	657.2	617.9	585.6
37.5°	1450.1	1273.3	1100.3	956.1	858.3	789.5	736.1	680.0	626.1	582.9	555.0
40°	1430.2	1262.6	1075.0	923.6	820.8	754.6	709.0	654.0	600.8	559.8	533.6
42.5°	1392.3	1240.5	1047.2	887.5	781.9	715.6	673.7	627.8	577.4	538.9	512.8
45°	1299.9	1192.7	1005.6	833.4	724.4	655.8	618.9	585.6	540.0	502.6	480.0
47.5°	1171.7	1120.7	945.4	776.4	664.3	598.4	560.0	533.1	499.9	469.7	448.1
50°	1082.7	1061.5	904.7	737.4	624.3	559.8	522.9	498.5	474.7	444.4	424.6
52.5°	979.9	993.0	857.0	697.1	583.5	520.1	485.3	466.1	444.4	419.6	402.3
55°	835.3	882.5	774.8	629.2	522.9	462.4	429.6	412.4	399.8	381.3	366.4
57.5°	699.7	760.0	686.0	559.4	463.3	411.2	379.6	360.9	352.8	343.2	331.5
60°	619.3	678.8	622.5	512.5	423.3	373.7	345.7	329.9	321.8	315.0	305.1
62.5°	547.6	607.8	560.4	464.9	383.9	337.9	313.7	298.3	291.9	288.3	279.9
65°	448.9	500.8	469.2	390.8	327.7	287.1	265.0	254.3	248.4	247.0	241.6
67.5°	365.4	404.8	381.9	324.2	274.5	239.4	220.7	211.5	207.0	206.6	202.5
70°	310.6	347.5	329.9	277.7	234.9	207.3	191.1	183.0	180.3	179.9	177.6
72.5°	268.0	293.8	279.8	236.2	203.1	178.1	166.3	157.7	154.7	155.3	153.8
75°	198.3	217.7	209.6	179.4	152.8	136.6	126.7	121.2	118.6	119.9	118.1
77.5°	142.7	155.0	147.7	126.7	110.4	98.6	91.4	88.0	85.6	85.5	84.6
80°	107.7	114.9	110.9	98.2	84.7	74.8	69.0	66.7	65.3	64.9	64.5
82.5°	76.7	82.8	78.1	69.4	60.2	54.2	51.0	48.0	47.0	47.3	46.8
85°	38.7	41.0	39.2	33.8	30.2	27.5	25.7	24.4	23.4	23.8	23.0
87.5°	14.5	14.6	13.4	11.9	11.0	9.7	9.6	8.8	8.2	8.3	8.1
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: P331957-935

CATALOG NUMBER: S123DIP-S775D365U935-4F0-1E-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: P331957-935

CATALOG NUMBER: S123DIP-S775D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	914.8	912.3	908.7	903.3	899.0	892.1	892.1	893.2	893.2	892.9	892.1
5°	887.1	880.3	872.2	862.7	852.8	842.9	841.1	837.5	834.8	833.0	830.7
7.5°	857.8	845.8	834.0	820.7	808.7	798.7	791.7	785.9	782.2	778.3	775.4
10°	837.9	823.0	809.1	795.1	779.8	767.7	760.0	754.6	750.5	746.9	745.1
12.5°	814.5	797.5	782.0	768.8	752.0	739.5	732.2	729.7	724.9	717.3	713.3
15°	780.2	764.5	746.0	725.7	717.6	702.2	693.7	689.7	686.9	681.1	679.2
17.5°	751.0	730.3	709.6	694.4	679.3	666.9	662.1	657.1	653.5	648.7	647.3
20°	727.5	709.0	690.1	673.9	658.1	644.5	640.5	636.9	633.3	631.0	629.2
22.5°	703.7	685.3	669.5	654.4	637.6	628.7	624.3	620.4	617.8	616.3	614.5
25°	670.3	654.0	636.5	622.9	609.4	603.6	600.8	598.6	596.8	594.5	594.1
27.5°	640.3	622.7	608.4	595.8	586.1	581.2	578.6	577.5	577.9	578.7	579.2
30°	617.9	601.8	590.0	579.2	570.2	565.7	565.2	565.2	567.1	567.5	568.4
32.5°	597.4	584.1	572.4	561.9	555.1	552.0	553.7	553.7	555.2	556.3	557.9
35°	567.5	555.8	546.7	537.8	531.9	533.2	534.2	535.0	537.3	540.0	541.8
37.5°	538.9	528.7	519.4	512.3	509.6	512.0	514.2	516.1	518.8	520.8	522.6
40°	518.3	510.7	501.7	495.3	496.3	497.7	499.5	501.7	503.9	505.3	507.1
42.5°	499.2	491.2	484.4	479.1	480.4	482.2	483.2	484.4	487.0	489.4	490.5
45°	470.1	463.8	457.5	454.3	455.3	456.2	457.0	458.4	460.6	462.4	463.0
47.5°	437.4	433.0	428.8	425.7	427.1	426.8	427.9	430.8	431.5	432.7	435.1
50°	416.5	412.4	407.5	406.6	406.6	406.6	407.0	410.6	410.6	412.4	414.2
52.5°	393.4	390.8	387.6	386.0	385.3	385.3	387.2	389.0	389.7	392.3	394.1
55°	359.2	356.5	353.9	352.5	351.5	352.5	356.1	357.0	359.2	360.6	362.0
57.5°	323.6	321.6	319.4	318.7	318.5	319.7	321.7	324.3	324.9	329.1	331.1
60°	300.2	297.0	295.2	295.2	294.4	298.4	297.5	302.0	302.9	305.6	308.8
62.5°	276.0	271.8	271.0	271.0	272.3	273.5	274.7	276.7	279.1	282.5	285.0
65°	237.1	234.9	238.0	237.5	236.6	239.4	239.4	241.6	244.3	247.5	252.4
67.5°	200.2	199.1	199.3	199.3	200.7	202.2	203.5	205.4	208.7	212.1	215.2
70°	175.3	176.7	174.4	176.2	177.6	178.1	178.9	181.7	185.3	187.5	191.1
72.5°	151.2	151.1	151.4	152.1	153.4	154.2	155.2	158.3	162.2	164.1	166.9
75°	116.3	115.8	117.2	117.2	119.4	120.4	121.2	122.6	126.2	128.9	131.1
77.5°	84.9	85.5	85.2	86.7	86.1	86.3	89.0	90.4	90.7	96.1	97.3
80°	64.0	64.9	65.3	65.8	66.3	65.3	68.5	69.8	69.8	73.0	75.3
82.5°	46.0	46.5	47.7	48.1	48.2	49.2	49.4	50.4	51.5	52.9	55.8
85°	23.0	24.4	24.8	24.4	24.8	23.8	25.2	25.7	26.2	26.2	26.2
87.5°	7.9	8.4	8.2	8.7	8.5	9.1	9.0	8.4	8.4	9.6	8.3
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: P331957-935

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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: P331957-935

CATALOG NUMBER: S123DIP-S775D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	889.6	889.2	891.7	889.9	891.7	889.2	889.6	892.1	892.9	893.2	893.2
5°	828.0	829.4	824.8	824.8	824.8	829.4	828.0	830.7	833.0	834.8	837.5
7.5°	773.2	771.2	771.4	769.0	771.4	771.2	773.2	775.4	778.3	782.2	785.9
10°	739.7	737.0	736.1	736.5	736.1	737.0	739.7	745.1	746.9	750.5	754.6
12.5°	711.9	711.4	705.4	705.5	705.4	711.4	711.9	713.3	717.3	724.9	729.7
15°	679.2	670.7	669.8	672.5	669.8	670.7	679.2	679.2	681.1	686.9	689.7
17.5°	646.5	642.0	642.3	640.9	642.3	642.0	646.5	647.3	648.7	653.5	657.1
20°	629.2	626.5	626.1	622.9	626.1	626.5	629.2	629.2	631.0	633.3	636.9
22.5°	613.4	612.5	612.8	609.2	612.8	612.5	613.4	614.5	616.3	617.8	620.4
25°	593.7	595.9	594.1	594.1	594.1	595.9	593.7	594.1	594.5	596.8	598.6
27.5°	580.3	580.2	579.3	579.3	579.3	580.2	580.3	579.2	578.7	577.9	577.5
30°	570.2	569.7	570.7	570.7	570.7	569.7	570.2	568.4	567.5	567.1	565.2
32.5°	560.1	560.8	560.9	561.3	560.9	560.8	560.1	557.9	556.3	555.2	553.7
35°	544.5	544.9	546.3	545.4	546.3	544.9	544.5	541.8	540.0	537.3	535.0
37.5°	523.4	525.5	525.0	525.7	525.0	525.5	523.4	522.6	520.8	518.8	516.1
40°	507.6	508.9	508.4	508.4	508.4	508.9	507.6	507.1	505.3	503.9	501.7
42.5°	491.3	492.3	491.1	490.4	491.1	492.3	491.3	490.5	489.4	487.0	484.4
45°	464.7	463.8	465.2	463.4	465.2	463.8	464.7	463.0	462.4	460.6	458.4
47.5°	435.0	435.8	436.3	437.6	436.3	435.8	435.0	435.1	432.7	431.5	430.8
50°	415.2	417.8	417.8	417.4	417.8	417.8	415.2	414.2	412.4	410.6	410.6
52.5°	395.6	396.9	398.7	398.6	398.7	396.9	395.6	394.1	392.3	389.7	389.0
55°	365.6	366.4	367.4	367.8	367.4	366.4	365.6	362.0	360.6	359.2	357.0
57.5°	334.3	334.0	336.1	336.8	336.1	334.0	334.3	331.1	329.1	324.9	324.3
60°	312.4	312.4	316.0	317.4	316.0	312.4	312.4	308.8	305.6	302.9	302.0
62.5°	289.0	290.4	293.9	292.1	293.9	290.4	289.0	285.0	282.5	279.1	276.7
65°	254.7	258.3	257.9	259.6	257.9	258.3	254.7	252.4	247.5	244.3	241.6
67.5°	218.9	221.1	224.4	224.6	224.4	221.1	218.9	215.2	212.1	208.7	205.4
70°	194.8	197.0	198.8	200.1	198.8	197.0	194.8	191.1	187.5	185.3	181.7
72.5°	171.3	172.5	176.8	174.9	176.8	172.5	171.3	166.9	164.1	162.2	158.3
75°	134.3	137.5	140.2	138.8	140.2	137.5	134.3	131.1	128.9	126.2	122.6
77.5°	99.4	102.5	103.8	102.6	103.8	102.5	99.4	97.3	96.1	90.7	90.4
80°	78.4	78.0	80.7	80.2	80.7	78.0	78.4	75.3	73.0	69.8	69.8
82.5°	57.5	57.1	58.3	58.6	58.3	57.1	57.5	55.8	52.9	51.5	50.4
85°	28.0	29.3	27.5	27.0	27.5	29.3	28.0	26.2	26.2	26.2	25.7
87.5°	8.2	8.3	7.9	7.6	7.9	8.3	8.2	8.3	9.6	8.4	8.4
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: P331957-935

CATALOG NUMBER: S123DIP-S775D365U935-4F0-1E-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: P331957-935

CATALOG NUMBER: S123DIP-S775D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	892.1	892.1	899.0	903.3	908.7	912.3	914.8	917.4	921.7	927.5	933.9
5°	841.1	842.9	852.8	862.7	872.2	880.3	887.1	895.2	905.1	917.3	930.8
7.5°	791.7	798.7	808.7	820.7	834.0	845.8	857.8	871.2	885.1	903.0	922.0
10°	760.0	767.7	779.8	795.1	809.1	823.0	837.9	852.4	870.0	891.1	915.5
12.5°	732.2	739.5	752.0	768.8	782.0	797.5	814.5	833.3	853.0	878.5	906.1
15°	693.7	702.2	717.6	725.7	746.0	764.5	780.2	807.3	832.5	858.7	890.7
17.5°	662.1	666.9	679.3	694.4	709.6	730.3	751.0	773.5	798.7	830.6	870.6
20°	640.5	644.5	658.1	673.9	690.1	709.0	727.5	750.0	778.4	812.3	855.5
22.5°	624.3	628.7	637.6	654.4	669.5	685.3	703.7	730.6	760.8	793.8	840.8
25°	600.8	603.6	609.4	622.9	636.5	654.0	670.3	695.5	726.6	765.3	812.3
27.5°	578.6	581.2	586.1	595.8	608.4	622.7	640.3	661.8	693.4	735.5	785.2
30°	565.2	565.7	570.2	579.2	590.0	601.8	617.9	642.3	672.1	714.9	767.2
32.5°	553.7	552.0	555.1	561.9	572.4	584.1	597.4	621.4	650.1	692.2	745.9
35°	534.2	533.2	531.9	537.8	546.7	555.8	567.5	585.6	617.9	657.2	713.5
37.5°	514.2	512.0	509.6	512.3	519.4	528.7	538.9	555.0	582.9	626.1	680.0
40°	499.5	497.7	496.3	495.3	501.7	510.7	518.3	533.6	559.8	600.8	654.0
42.5°	483.2	482.2	480.4	479.1	484.4	491.2	499.2	512.8	538.9	577.4	627.8
45°	457.0	456.2	455.3	454.3	457.5	463.8	470.1	480.0	502.6	540.0	585.6
47.5°	427.9	426.8	427.1	425.7	428.8	433.0	437.4	448.1	469.7	499.9	533.1
50°	407.0	406.6	406.6	406.6	407.5	412.4	416.5	424.6	444.4	474.7	498.5
52.5°	387.2	385.3	385.3	386.0	387.6	390.8	393.4	402.3	419.6	444.4	466.1
55°	356.1	352.5	351.5	352.5	353.9	356.5	359.2	366.4	381.3	399.8	412.4
57.5°	321.7	319.7	318.5	318.7	319.4	321.6	323.6	331.5	343.2	352.8	360.9
60°	297.5	298.4	294.4	295.2	295.2	297.0	300.2	305.1	315.0	321.8	329.9
62.5°	274.7	273.5	272.3	271.0	271.0	271.8	276.0	279.9	288.3	291.9	298.3
65°	239.4	239.4	236.6	237.5	238.0	234.9	237.1	241.6	247.0	248.4	254.3
67.5°	203.5	202.2	200.7	199.3	199.3	199.1	200.2	202.5	206.6	207.0	211.5
70°	178.9	178.1	177.6	176.2	174.4	176.7	175.3	177.6	179.9	180.3	183.0
72.5°	155.2	154.2	153.4	152.1	151.4	151.1	151.2	153.8	155.3	154.7	157.7
75°	121.2	120.4	119.4	117.2	117.2	115.8	116.3	118.1	119.9	118.6	121.2
77.5°	89.0	86.3	86.1	86.7	85.2	85.5	84.9	84.6	85.5	85.6	88.0
80°	68.5	65.3	66.3	65.8	65.3	64.9	64.0	64.5	64.9	65.3	66.7
82.5°	49.4	49.2	48.2	48.1	47.7	46.5	46.0	46.8	47.3	47.0	48.0
85°	25.2	23.8	24.8	24.4	24.8	24.4	23.0	23.0	23.8	23.4	24.4
87.5°	9.0	9.1	8.5	8.7	8.2	8.4	7.9	8.1	8.3	8.2	8.8
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: P331957-935

CATALOG NUMBER: S123DIP-S775D365U935-4F0-1E-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: P331957-935

CATALOG NUMBER: S123DIP-S775D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	936.1	937.9	944.1	948.4	953.4	956.3	959.2	961.4	964.2	964.9	975.4
5°	940.3	949.3	965.1	976.8	991.2	1006.9	1017.8	1022.8	1035.8	1046.6	1068.2
7.5°	939.1	958.3	982.1	1006.8	1033.3	1057.8	1079.1	1104.3	1122.3	1149.3	1175.8
10°	938.0	963.7	994.4	1025.9	1062.9	1097.1	1127.7	1162.0	1190.4	1227.9	1259.8
12.5°	934.8	965.9	1008.4	1045.8	1090.6	1137.9	1183.3	1227.3	1252.4	1314.7	1344.2
15°	926.8	963.7	1016.9	1073.7	1135.4	1191.4	1249.1	1295.0	1369.3	1423.9	1458.6
17.5°	911.5	963.2	1026.2	1094.8	1169.8	1243.5	1308.9	1378.6	1457.5	1523.5	1593.9
20°	904.2	961.0	1031.3	1107.1	1185.0	1268.4	1342.8	1426.6	1512.7	1577.6	1667.8
22.5°	890.9	955.2	1031.0	1115.3	1198.7	1285.0	1372.0	1456.6	1556.0	1645.5	1731.2
25°	869.0	941.2	1019.6	1113.8	1211.6	1298.1	1402.3	1514.5	1618.2	1733.1	1818.8
27.5°	846.1	923.2	1001.8	1089.3	1194.6	1297.3	1428.2	1555.1	1681.9	1781.1	1844.4
30°	828.5	903.3	984.5	1072.8	1176.9	1299.1	1445.5	1583.9	1707.4	1792.6	1828.2
32.5°	809.3	885.3	957.0	1049.7	1160.7	1298.0	1456.4	1600.9	1708.9	1765.6	1758.7
35°	779.4	842.9	912.7	1002.0	1132.7	1290.0	1462.7	1602.4	1668.7	1656.5	1564.5
37.5°	736.1	789.5	858.3	956.1	1100.3	1273.3	1450.1	1554.9	1550.6	1451.5	1318.3
40°	709.0	754.6	820.8	923.6	1075.0	1262.6	1430.2	1498.3	1440.6	1302.2	1142.6
42.5°	673.7	715.6	781.9	887.5	1047.2	1240.5	1392.3	1412.1	1299.2	1140.0	993.7
45°	618.9	655.8	724.4	833.4	1005.6	1192.7	1299.9	1251.7	1099.8	935.3	824.0
47.5°	560.0	598.4	664.3	776.4	945.4	1120.7	1171.7	1069.2	913.2	779.8	677.6
50°	522.9	559.8	624.3	737.4	904.7	1061.5	1082.7	950.2	806.8	689.7	605.8
52.5°	485.3	520.1	583.5	697.1	857.0	993.0	979.9	844.9	713.1	613.2	547.4
55°	429.6	462.4	522.9	629.2	774.8	882.5	835.3	706.4	597.3	519.7	469.7
57.5°	379.6	411.2	463.3	559.4	686.0	760.0	699.7	591.1	504.4	444.7	407.4
60°	345.7	373.7	423.3	512.5	622.5	678.8	619.3	523.3	450.3	402.5	369.2
62.5°	313.7	337.9	383.9	464.9	560.4	607.8	547.6	466.3	404.2	361.8	333.5
65°	265.0	287.1	327.7	390.8	469.2	500.8	448.9	383.1	334.9	303.3	284.4
67.5°	220.7	239.4	274.5	324.2	381.9	404.8	365.4	314.4	278.1	252.8	237.7
70°	191.1	207.3	234.9	277.7	329.9	347.5	310.6	268.6	242.0	221.8	207.8
72.5°	166.3	178.1	203.1	236.2	279.8	293.8	268.0	231.2	206.4	191.1	180.0
75°	126.7	136.6	152.8	179.4	209.6	217.7	198.3	175.3	158.7	147.8	139.3
77.5°	91.4	98.6	110.4	126.7	147.7	155.0	142.7	127.3	115.2	107.9	103.1
80°	69.0	74.8	84.7	98.2	110.9	114.9	107.7	96.0	87.5	83.4	79.3
82.5°	51.0	54.2	60.2	69.4	78.1	82.8	76.7	69.7	65.1	61.4	59.8
85°	25.7	27.5	30.2	33.8	39.2	41.0	38.7	36.9	34.3	32.0	32.0
87.5°	9.6	9.7	11.0	11.9	13.4	14.6	14.5	13.9	13.8	13.3	13.1
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



TEST NUMBER: P331957-935

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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°	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	979.0	979.4	983.3	986.3	984.8	986.6	987.3
5°	1069.6	1085.9	1094.4	1100.7	1101.2	1101.6	1105.3
7.5°	1198.1	1215.5	1228.2	1247.5	1253.3	1259.8	1257.9
10°	1291.8	1317.5	1339.6	1351.3	1364.0	1382.4	1367.6
12.5°	1379.5	1425.0	1458.6	1476.9	1488.8	1492.5	1485.1
15°	1524.0	1583.5	1615.5	1614.5	1655.2	1672.8	1645.2
17.5°	1656.5	1711.4	1755.4	1778.0	1811.7	1819.2	1815.8
20°	1737.7	1797.6	1831.9	1870.6	1888.2	1903.9	1906.7
22.5°	1807.6	1861.4	1898.2	1930.4	1945.2	1952.7	1957.1
25°	1879.6	1922.0	1944.1	1955.3	1959.4	1958.5	1952.7
27.5°	1874.7	1877.9	1853.6	1829.7	1808.4	1784.3	1776.0
30°	1826.0	1788.1	1720.5	1682.2	1625.8	1581.2	1599.2
32.5°	1698.0	1622.6	1546.7	1462.9	1393.6	1373.9	1354.0
35°	1449.1	1316.6	1239.2	1148.9	1112.9	1076.9	1052.1
37.5°	1172.4	1069.9	977.9	918.9	882.9	860.1	847.7
40°	1013.7	921.4	845.6	797.8	770.3	744.7	741.1
42.5°	887.2	801.2	744.2	706.2	679.8	668.9	661.0
45°	726.6	666.7	628.4	601.3	583.8	577.0	567.9
47.5°	615.0	572.7	543.9	525.5	512.2	507.2	506.4
50°	552.6	517.5	496.3	481.8	471.5	469.7	462.4
52.5°	505.8	475.3	458.7	446.2	438.7	433.6	431.4
55°	439.0	418.7	403.9	396.7	390.8	385.8	385.8
57.5°	384.1	367.2	357.3	351.2	349.4	345.9	343.6
60°	350.3	335.8	328.1	322.7	319.2	319.6	315.6
62.5°	317.0	307.7	300.4	295.0	290.7	290.8	291.0
65°	270.0	262.8	257.4	255.5	252.9	249.7	250.6
67.5°	228.8	222.1	217.8	214.7	213.9	212.2	214.7
70°	199.2	194.2	191.1	188.4	187.5	188.0	190.2
72.5°	172.2	168.7	166.6	165.3	163.3	163.4	165.0
75°	135.3	132.5	130.7	129.3	128.9	128.9	128.9
77.5°	99.4	98.8	97.9	95.9	96.0	96.5	96.6
80°	78.4	77.1	76.6	75.8	74.4	73.4	75.8
82.5°	58.6	57.3	56.8	56.7	54.5	54.3	56.2
85°	31.5	30.2	30.7	30.2	30.2	29.8	29.8
87.5°	12.7	12.5	12.2	12.5	12.2	11.9	12.6
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)