

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: P331955

Luminaire Tested: **S123DIP-S775D365U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331955  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S775D365U835-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4713.1 lumens  
Efficiency: N/A  
Efficacy: 134.7 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

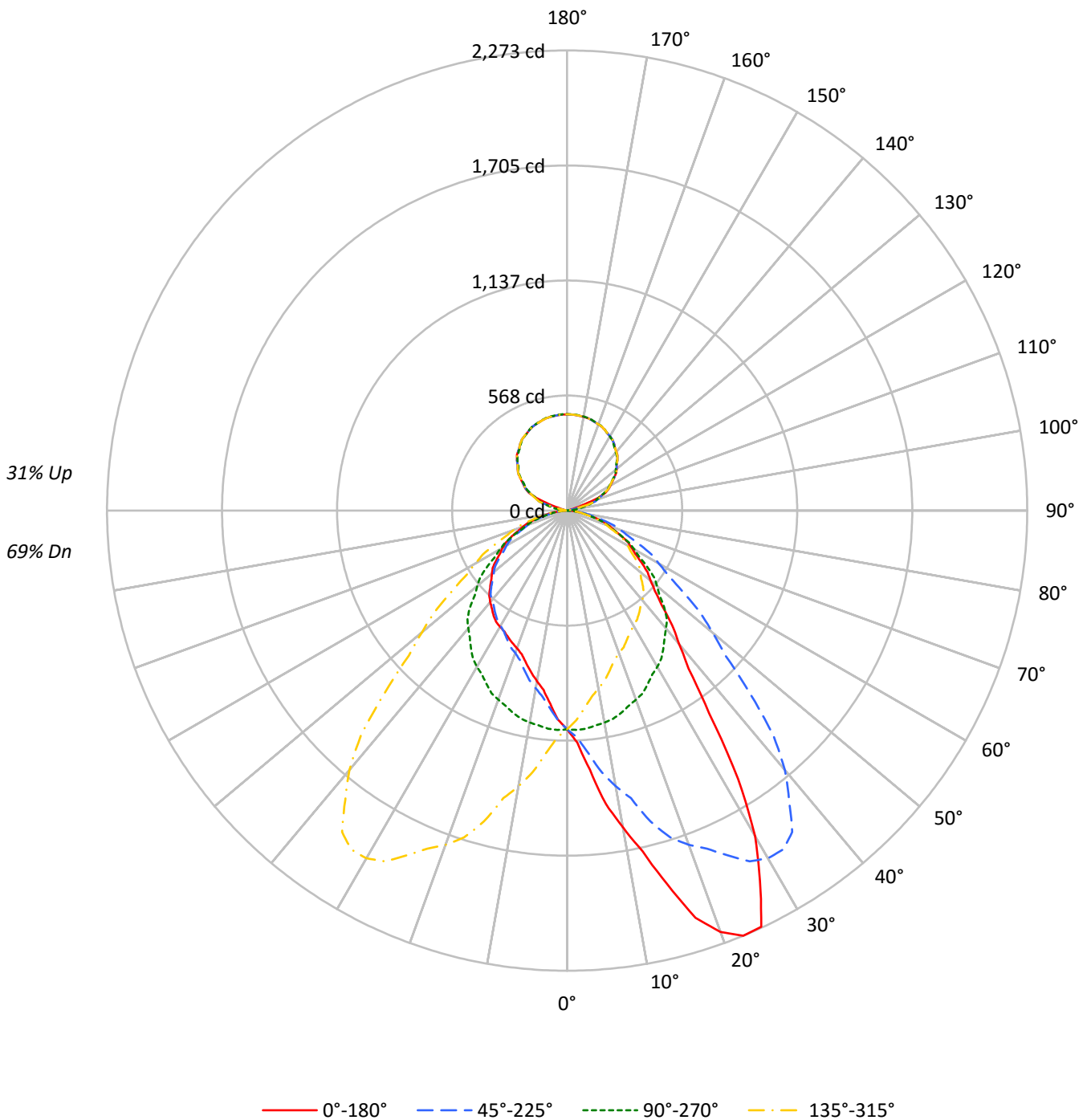
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94	94	94	83	83	83	74	74	74	69
1	102	98	94	91	97	93	90	86	83	81	78	74	72	70	66	64	63	59
2	94	86	80	75	88	82	76	72	73	69	65	66	62	59	58	56	54	50
3	86	76	69	63	81	72	66	60	65	60	55	58	54	51	52	49	46	43
4	79	68	60	53	74	64	57	51	58	52	48	52	47	44	47	43	40	37
5	72	60	52	46	68	58	50	44	52	46	41	47	42	38	42	38	35	32
6	67	54	46	40	63	52	44	39	47	41	36	43	37	34	38	34	31	28
7	62	49	41	36	58	47	40	34	43	37	32	39	34	30	35	31	28	25
8	57	45	37	32	54	43	36	31	39	33	29	36	30	27	32	28	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	28	23	20	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11630	11630	11630	11630
5°	13870	11681	10351	11681
10°	17361	11622	9349	11622
15°	21293	11528	8704	11528
20°	25366	11381	8287	11381
25°	26935	11204	8195	11204
30°	23086	11074	8238	11074
35°	16056	10889	8324	10889
40°	12094	10673	8297	10673
45°	10041	10353	8193	10353
50°	8994	9696	8118	9696
55°	8409	8989	8017	8989
60°	7890	8249	7935	8249
65°	7414	7521	7679	7521
70°	6952	6688	7314	6688
75°	6226	5856	6704	5856
80°	5455	4804	5777	4804
85°	4273	3495	3878	3495



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	2.3
10°-20°	341.3	7.2
20°-30°	572.8	12.2
30°-40°	648.6	13.8
40°-50°	581.7	12.3
50°-60°	469.4	10.0
60°-70°	327.1	6.9
70°-80°	171.9	3.6
80°-90°	43.4	0.9
90°-100°	17.3	0.4
100°-110°	82.4	1.7
110°-120°	198.0	4.2
120°-130°	252.1	5.3
130°-140°	269.3	5.7
140°-150°	251.9	5.3
150°-160°	203.2	4.3
160°-170°	131.1	2.8
170°-180°	45.2	1.0
0°-30°	1020.6	21.7
0°-40°	1669.2	35.4
0°-60°	2720.2	57.7
0°-90°	3262.6	69.2
90°-120°	297.7	6.3
90°-150°	1071.0	22.7
90°-180°	1450.0	30.8
0°-180°	4713.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1080	1080	1080	1080	1080	
5°	1284	1081	958	1081	1284	133
15°	1911	1034	781	1034	1911	552
25°	2268	943	690	943	2268	995
35°	1222	829	634	829	1222	794
45°	660	680	538	680	660	522
55°	448	479	427	479	448	402
65°	291	295	302	295	291	290
75°	150	141	161	141	150	160
85°	35	28	31	28	35	41
90°	11	0	11	0	11	7
95°	13	22	13	22	13	11
105°	16	105	16	105	16	36
115°	208	198	208	198	208	192
125°	284	278	284	278	284	254
135°	350	347	350	347	350	270
145°	404	400	404	400	404	252
155°	440	441	440	441	440	203
165°	464	465	464	465	464	131
175°	474	476	474	476	474	45
180°	476	476	476	476	476	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1146.7	1145.9	1143.8	1145.5	1142.1	1137.5	1137.1	1132.9	1120.7	1119.9	1116.6
5°	1283.7	1279.5	1279.0	1278.4	1271.1	1261.2	1242.3	1240.7	1215.6	1203.0	1187.9
7.5°	1461.0	1463.2	1455.6	1448.9	1426.5	1411.7	1391.5	1365.6	1334.8	1303.5	1282.6
10°	1588.4	1605.6	1584.2	1569.5	1555.9	1530.2	1500.4	1463.2	1426.1	1382.6	1349.6
12.5°	1724.9	1733.4	1729.1	1715.3	1694.1	1655.1	1602.2	1561.2	1527.0	1454.6	1425.4
15°	1910.8	1942.8	1922.4	1875.2	1876.3	1839.1	1770.0	1694.1	1653.8	1590.4	1504.1
17.5°	2108.9	2112.9	2104.2	2065.0	2038.8	1987.7	1923.9	1851.2	1769.5	1692.8	1601.2
20°	2214.5	2211.3	2193.0	2172.6	2127.6	2087.8	2018.2	1937.0	1832.3	1756.9	1656.9
22.5°	2273.1	2267.9	2259.2	2242.1	2204.6	2161.9	2099.4	2010.7	1911.1	1807.2	1691.7
25°	2267.9	2274.7	2275.7	2271.0	2257.9	2232.3	2183.1	2112.4	2012.9	1879.4	1759.0
27.5°	2062.7	2072.3	2100.3	2125.1	2152.8	2181.1	2177.3	2142.2	2068.6	1953.4	1806.1
30°	1857.4	1836.5	1888.3	1953.8	1998.3	2076.8	2120.8	2123.4	2082.0	1983.1	1839.6
32.5°	1572.6	1595.7	1618.6	1699.1	1796.4	1884.6	1972.1	2042.6	2050.6	1984.8	1859.3
35°	1221.9	1250.7	1292.6	1334.4	1439.2	1529.2	1683.1	1817.1	1923.9	1938.1	1861.1
37.5°	984.6	998.9	1025.4	1067.3	1135.8	1242.6	1361.7	1531.1	1685.8	1800.9	1805.9
40°	860.7	864.9	894.7	926.6	982.1	1070.1	1177.4	1327.1	1512.4	1673.2	1740.2
42.5°	767.7	776.9	789.6	820.2	864.4	930.6	1030.4	1154.1	1324.0	1509.0	1640.1
45°	659.6	670.1	678.0	698.4	729.8	774.3	843.9	957.0	1086.3	1277.4	1453.8
47.5°	588.2	589.1	594.9	610.3	631.7	665.1	714.3	787.0	905.7	1060.6	1241.8
50°	537.1	545.5	547.6	559.6	576.4	601.0	641.8	703.6	801.0	937.1	1103.6
52.5°	501.1	503.6	509.5	518.2	532.8	552.0	587.4	635.8	712.2	828.2	981.3
55°	448.1	448.1	453.9	460.7	469.1	486.3	509.9	545.5	603.6	693.7	820.4
57.5°	399.1	401.7	405.8	407.9	415.0	426.5	446.1	473.2	516.5	585.8	686.5
60°	366.5	371.2	370.7	374.8	381.1	390.0	406.8	428.8	467.5	523.0	607.8
62.5°	338.0	337.7	337.6	342.6	348.9	357.4	368.2	387.3	420.2	469.4	541.6
65°	291.1	290.0	293.7	296.8	298.9	305.2	313.6	330.3	352.3	389.0	445.0
67.5°	249.4	246.4	248.4	249.4	253.0	257.9	265.7	276.1	293.6	323.0	365.2
70°	220.9	218.3	217.8	218.8	222.0	225.6	231.4	241.3	257.6	281.1	312.0
72.5°	191.6	189.8	189.7	192.0	193.5	195.9	200.0	209.1	222.0	239.7	268.5
75°	149.7	149.7	149.7	150.2	151.8	153.9	157.1	161.8	171.7	184.3	203.6
77.5°	112.2	112.1	111.5	111.4	113.7	114.7	115.4	119.8	125.3	133.8	147.9
80°	88.0	85.3	86.4	88.0	89.0	89.5	91.1	92.1	96.9	101.6	111.5
82.5°	65.3	63.1	63.3	65.8	66.0	66.5	68.1	69.5	71.3	75.6	80.9
85°	34.6	34.6	35.1	35.1	35.6	35.1	36.6	37.2	37.2	39.8	42.9
87.5°	14.7	13.8	14.2	14.6	14.1	14.5	14.9	15.2	15.6	15.9	16.2
90°	10.6	10.4	10.3	10.1	10.0	9.7	9.4	9.1	8.8	8.5	7.5
92.5°	11.7	11.6	11.5	11.4	11.4	11.1	10.6	10.1	9.5	9.0	8.3
95°	13.4	13.4	13.4	13.4	13.4	13.2	12.6	12.1	11.5	11.0	10.1
97.5°	14.6	14.5	14.4	14.3	14.2	13.9	13.3	12.6	12.0	11.4	17.0
100°	14.8	14.8	14.7	14.6	14.5	14.2	13.5	12.9	12.3	11.7	23.9
102.5°	15.1	15.0	14.8	14.7	14.6	15.5	17.4	19.4	21.3	23.3	36.6
105°	15.5	15.4	15.2	15.1	14.9	21.8	35.7	49.6	63.5	77.4	84.5
107.5°	48.8	59.3	69.8	80.3	90.7	101.1	111.3	121.5	131.6	141.8	140.7
110°	97.2	108.4	119.6	130.9	142.1	149.0	151.6	154.2	156.8	159.4	158.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	166.7	169.1	171.5	173.8	176.2	177.4	177.3	177.3	177.2	177.2	176.3
115°	207.8	207.5	207.2	206.8	206.5	206.0	205.2	204.4	203.6	202.8	202.1
117.5°	230.8	230.8	230.7	230.6	230.6	230.2	229.6	229.0	228.3	227.7	227.4
120°	246.7	246.7	246.7	246.7	246.7	246.3	245.7	245.1	244.5	243.8	243.6
122.5°	262.2	262.1	262.1	262.0	261.9	261.7	261.3	260.8	260.4	259.9	259.6
125°	284.1	284.0	283.8	283.6	283.5	283.3	283.2	283.0	282.9	282.7	282.4
127.5°	305.2	305.3	305.5	305.6	305.8	305.8	305.5	305.2	305.0	304.7	304.4
130°	318.7	318.9	319.1	319.2	319.4	319.3	319.0	318.7	318.3	318.0	317.7
132.5°	331.2	331.4	331.6	331.8	332.1	332.0	331.7	331.4	331.1	330.8	330.5
135°	350.2	350.4	350.7	350.9	351.1	351.1	350.9	350.7	350.4	350.2	349.9
137.5°	368.1	368.2	368.4	368.5	368.7	368.6	368.2	367.8	367.5	367.1	366.9
140°	378.8	379.0	379.1	379.3	379.4	379.4	379.0	378.7	378.4	378.1	377.9
142.5°	388.7	388.9	389.1	389.4	389.6	389.6	389.3	389.1	388.8	388.6	388.3
145°	403.9	403.9	403.9	403.9	403.9	403.8	403.7	403.5	403.4	403.2	403.0
147.5°	415.2	415.6	415.9	416.3	416.7	416.8	416.6	416.4	416.3	416.1	416.0
150°	423.7	423.9	424.2	424.4	424.6	424.7	424.5	424.4	424.2	424.0	423.9
152.5°	430.5	430.8	431.2	431.6	431.9	432.0	431.7	431.4	431.1	430.8	430.7
155°	439.9	440.4	440.9	441.4	441.8	441.9	441.5	441.1	440.7	440.3	440.2
157.5°	447.9	448.5	449.2	449.8	450.4	450.5	450.0	449.5	449.0	448.6	448.6
160°	453.0	453.6	454.1	454.7	455.2	455.3	454.8	454.3	453.8	453.4	453.5
162.5°	457.8	458.3	458.8	459.3	459.8	459.7	459.2	458.7	458.1	457.6	457.7
165°	463.6	464.2	464.7	465.3	465.8	465.8	465.2	464.5	463.9	463.3	463.3
167.5°	467.8	468.4	469.0	469.7	470.3	470.3	469.7	469.0	468.4	467.8	467.8
170°	470.3	471.0	471.6	472.2	472.8	472.8	472.2	471.6	471.0	470.3	470.3
172.5°	471.7	472.4	473.1	473.8	474.5	474.5	473.9	473.3	472.7	472.0	472.0
175°	473.9	474.5	475.1	475.8	476.4	476.4	475.9	475.3	474.8	474.2	474.1
177.5°	474.5	475.1	475.8	476.4	477.0	477.1	476.6	476.1	475.6	475.1	475.0
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1114.0	1110.7	1107.3	1101.5	1096.5	1089.3	1087.2	1084.7	1077.2	1070.5	1065.5
5°	1182.1	1169.5	1151.2	1134.5	1120.9	1102.5	1092.1	1081.1	1065.4	1051.2	1039.7
7.5°	1253.3	1228.6	1200.1	1169.3	1140.6	1113.0	1090.7	1070.8	1048.8	1028.0	1011.8
10°	1309.8	1274.2	1234.5	1191.5	1154.9	1119.3	1089.4	1063.3	1035.0	1010.4	990.0
12.5°	1374.3	1321.6	1266.7	1214.6	1171.2	1121.8	1085.7	1052.4	1020.3	990.7	967.8
15°	1450.7	1383.7	1318.7	1247.0	1181.1	1119.3	1076.4	1034.5	997.3	966.9	937.6
17.5°	1520.2	1444.3	1358.7	1271.5	1191.9	1118.7	1058.6	1011.2	964.7	927.6	898.4
20°	1559.6	1473.2	1376.3	1285.8	1197.8	1116.1	1050.2	993.6	943.4	904.1	871.1
22.5°	1593.5	1492.4	1392.2	1295.4	1197.4	1109.4	1034.7	976.5	922.0	883.6	848.5
25°	1628.7	1507.7	1407.2	1293.6	1184.2	1093.1	1009.3	943.4	888.9	843.9	807.8
27.5°	1658.8	1506.7	1387.4	1265.2	1163.5	1072.2	982.7	912.0	854.2	805.3	768.6
30°	1678.9	1508.8	1366.9	1246.0	1143.4	1049.1	962.2	891.0	830.3	780.6	746.0
32.5°	1691.5	1507.5	1348.1	1219.2	1111.5	1028.2	940.0	866.3	803.9	755.0	721.7
35°	1698.8	1498.3	1315.6	1163.8	1060.1	979.0	905.2	828.7	763.3	717.7	680.1
37.5°	1684.2	1478.9	1277.9	1110.4	996.9	917.0	854.9	789.8	727.2	677.0	644.6
40°	1661.1	1466.4	1248.6	1072.7	953.3	876.4	823.5	759.6	697.8	650.2	619.8
42.5°	1617.1	1440.8	1216.3	1030.8	908.1	831.1	782.5	729.1	670.6	625.9	595.6
45°	1509.8	1385.2	1168.0	968.0	841.3	761.7	718.8	680.1	627.2	583.7	557.5
47.5°	1360.9	1301.6	1098.0	901.7	771.6	695.0	650.4	619.2	580.6	545.5	520.4
50°	1257.5	1232.9	1050.7	856.5	725.1	650.2	607.3	579.0	551.3	516.2	493.2
52.5°	1138.1	1153.3	995.4	809.6	677.7	604.1	563.7	541.3	516.1	487.3	467.2
55°	970.1	1025.0	899.9	730.8	607.3	537.1	498.9	479.0	464.4	442.9	425.6
57.5°	812.7	882.7	796.7	649.7	538.1	477.6	440.9	419.2	409.8	398.6	385.0
60°	719.3	788.4	723.0	595.2	491.6	434.0	401.5	383.2	373.8	365.9	354.4
62.5°	636.0	705.9	650.9	540.0	445.9	392.5	364.3	346.4	339.0	334.9	325.1
65°	521.4	581.6	545.0	453.9	380.6	333.5	307.8	295.3	288.5	286.9	280.6
67.5°	424.4	470.2	443.5	376.5	318.8	278.1	256.3	245.6	240.4	239.9	235.2
70°	360.7	403.6	383.2	322.5	272.8	240.8	222.0	212.5	209.4	208.9	206.3
72.5°	311.3	341.2	325.0	274.3	235.9	206.9	193.1	183.2	179.7	180.4	178.6
75°	230.3	252.9	243.4	208.4	177.5	158.6	147.1	140.8	137.7	139.3	137.2
77.5°	165.7	180.0	171.5	147.2	128.2	114.5	106.1	102.2	99.4	99.3	98.3
80°	125.1	133.5	128.8	114.1	98.4	86.9	80.1	77.5	75.9	75.4	74.9
82.5°	89.1	96.2	90.7	80.6	69.9	63.0	59.2	55.7	54.6	54.9	54.3
85°	45.0	47.6	45.5	39.3	35.1	31.9	29.8	28.3	27.2	27.7	26.7
87.5°	16.8	17.0	15.5	13.7	12.7	11.3	11.1	10.1	9.4	9.6	9.3
90°	6.4	5.4	4.4	3.5	2.7	1.9	1.1	0.4	1.1	1.9	2.7
92.5°	7.5	6.7	6.0	5.7	5.9	6.1	6.4	6.6	6.4	6.1	5.9
95°	9.2	8.4	7.5	8.7	11.9	15.1	18.3	21.6	18.3	15.1	11.9
97.5°	22.7	28.3	34.0	37.5	39.0	40.4	41.9	43.3	41.9	40.4	39.0
100°	36.2	48.4	60.7	66.0	64.4	62.9	61.3	59.7	61.3	62.9	64.4
102.5°	50.0	63.4	76.8	82.9	81.8	80.6	79.5	78.4	79.5	80.6	81.8
105°	91.5	98.6	105.7	108.8	107.9	107.0	106.2	105.3	106.2	107.0	107.9
107.5°	139.6	138.5	137.4	136.5	135.8	135.1	134.4	133.7	134.4	135.1	135.8
110°	157.6	156.8	155.9	155.2	154.5	153.9	153.3	152.7	153.3	153.9	154.5





TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	175.5	174.6	173.7	173.0	172.4	171.9	171.3	170.7	171.3	171.9	172.4
115°	201.4	200.7	200.0	199.4	198.9	198.5	198.0	197.5	198.0	198.5	198.9
117.5°	227.0	226.6	226.3	225.8	225.2	224.6	224.1	223.5	224.1	224.6	225.2
120°	243.4	243.1	242.9	242.4	241.7	241.0	240.3	239.6	240.3	241.0	241.7
122.5°	259.3	259.0	258.7	258.3	257.7	257.1	256.6	256.0	256.6	257.1	257.7
125°	282.1	281.8	281.4	281.0	280.3	279.7	279.1	278.5	279.1	279.7	280.3
127.5°	304.0	303.6	303.2	302.7	302.1	301.5	300.9	300.2	300.9	301.5	302.1
130°	317.4	317.1	316.8	316.3	315.7	315.0	314.4	313.8	314.4	315.0	315.7
132.5°	330.3	330.0	329.7	329.3	328.7	328.1	327.4	326.8	327.4	328.1	328.7
135°	349.6	349.2	348.9	348.5	348.1	347.6	347.1	346.7	347.1	347.6	348.1
137.5°	366.7	366.6	366.4	366.0	365.4	364.8	364.2	363.6	364.2	364.8	365.4
140°	377.6	377.4	377.2	376.8	376.3	375.9	375.4	374.9	375.4	375.9	376.3
142.5°	388.1	387.9	387.6	387.3	386.8	386.3	385.9	385.4	385.9	386.3	386.8
145°	402.9	402.7	402.6	402.2	401.7	401.1	400.6	400.0	400.6	401.1	401.7
147.5°	415.8	415.7	415.5	415.2	414.9	414.5	414.2	413.8	414.2	414.5	414.9
150°	423.7	423.6	423.4	423.2	423.0	422.7	422.5	422.3	422.5	422.7	423.0
152.5°	430.6	430.5	430.5	430.3	430.2	430.1	430.0	429.9	430.0	430.1	430.2
155°	440.1	440.1	440.0	440.0	440.2	440.3	440.5	440.7	440.5	440.3	440.2
157.5°	448.7	448.8	448.9	448.9	448.9	449.0	449.0	449.0	449.0	449.0	448.9
160°	453.5	453.6	453.7	453.8	453.8	453.9	454.0	454.1	454.0	453.9	453.8
162.5°	457.8	457.8	457.9	458.1	458.3	458.5	458.7	458.9	458.7	458.5	458.3
165°	463.4	463.5	463.6	463.7	464.0	464.2	464.4	464.7	464.4	464.2	464.0
167.5°	467.8	467.8	467.8	467.9	468.3	468.6	468.9	469.2	468.9	468.6	468.3
170°	470.3	470.3	470.3	470.5	470.8	471.1	471.4	471.7	471.4	471.1	470.8
172.5°	471.9	471.8	471.8	471.9	472.3	472.7	473.1	473.4	473.1	472.7	472.3
175°	474.1	474.0	473.9	474.1	474.5	474.8	475.2	475.6	475.2	474.8	474.5
177.5°	474.9	474.9	474.8	474.9	475.3	475.6	475.9	476.2	475.9	475.6	475.3
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1062.5	1059.6	1055.4	1049.1	1044.1	1036.1	1036.1	1037.4	1037.4	1037.0	1036.1
5°	1030.3	1022.4	1013.0	1002.0	990.5	979.0	976.9	972.7	969.6	967.5	964.8
7.5°	996.3	982.3	968.6	953.2	939.2	927.6	919.5	912.8	908.5	903.9	900.6
10°	973.2	955.9	939.7	923.5	905.7	891.6	882.7	876.4	871.7	867.5	865.4
12.5°	946.0	926.2	908.3	892.9	873.4	858.9	850.4	847.5	841.9	833.1	828.5
15°	906.2	887.9	866.4	842.9	833.4	815.6	805.7	801.0	797.8	791.0	788.9
17.5°	872.2	848.2	824.1	806.5	789.0	774.6	769.0	763.2	759.0	753.4	751.8
20°	845.0	823.5	801.5	782.7	764.3	748.6	743.9	739.7	735.5	732.9	730.8
22.5°	817.3	795.9	777.6	760.0	740.5	730.2	725.1	720.5	717.5	715.8	713.7
25°	778.5	759.6	739.2	723.5	707.8	701.0	697.8	695.2	693.1	690.5	690.0
27.5°	743.7	723.2	706.6	692.0	680.7	675.0	672.0	670.7	671.2	672.1	672.7
30°	717.7	698.9	685.3	672.7	662.3	657.0	656.5	656.5	658.6	659.1	660.2
32.5°	693.9	678.4	664.8	652.6	644.7	641.1	643.1	643.1	644.8	646.1	648.0
35°	659.1	645.5	635.0	624.6	617.8	619.3	620.4	621.4	624.0	627.2	629.3
37.5°	625.9	614.1	603.2	595.0	591.9	594.7	597.2	599.4	602.5	604.9	607.0
40°	602.0	593.1	582.7	575.3	576.4	578.0	580.1	582.7	585.3	586.9	589.0
42.5°	579.8	570.5	562.6	556.5	558.0	560.0	561.2	562.6	565.6	568.4	569.7
45°	546.0	538.7	531.4	527.7	528.8	529.8	530.8	532.4	535.0	537.1	537.7
47.5°	508.0	502.9	498.0	494.4	496.1	495.7	497.0	500.4	501.2	502.5	505.4
50°	483.7	479.0	473.3	472.2	472.2	472.2	472.7	476.9	476.9	479.0	481.1
52.5°	456.9	453.9	450.2	448.3	447.5	447.5	449.7	451.8	452.6	455.6	457.7
55°	417.2	414.1	411.0	409.4	408.3	409.4	413.6	414.6	417.2	418.8	420.4
57.5°	375.9	373.5	371.0	370.1	369.9	371.3	373.6	376.7	377.4	382.2	384.6
60°	348.7	345.0	342.9	342.9	341.9	346.6	345.5	350.8	351.8	354.9	358.6
62.5°	320.6	315.7	314.8	314.8	316.3	317.7	319.1	321.4	324.2	328.1	331.0
65°	275.4	272.8	276.4	275.9	274.8	278.0	278.0	280.6	283.7	287.4	293.2
67.5°	232.5	231.2	231.5	231.5	233.1	234.9	236.3	238.6	242.4	246.3	250.0
70°	203.6	205.2	202.6	204.7	206.3	206.8	207.8	211.0	215.2	217.8	222.0
72.5°	175.6	175.5	175.8	176.6	178.2	179.1	180.2	183.8	188.4	190.6	193.9
75°	135.1	134.5	136.1	136.1	138.7	139.8	140.8	142.4	146.6	149.7	152.3
77.5°	98.6	99.3	98.9	100.7	100.0	100.2	103.4	105.0	105.4	111.6	113.0
80°	74.3	75.4	75.9	76.4	77.0	75.9	79.6	81.1	81.1	84.8	87.4
82.5°	53.4	54.0	55.4	55.9	56.0	57.1	57.4	58.5	59.8	61.4	64.8
85°	26.7	28.3	28.8	28.3	28.8	27.7	29.3	29.8	30.4	30.4	30.4
87.5°	9.1	9.7	9.5	10.1	9.9	10.5	10.6	9.8	9.8	11.2	9.5
90°	3.5	4.4	5.4	6.4	7.5	8.5	8.8	9.1	9.4	9.7	10.0
92.5°	5.7	6.0	6.7	7.5	8.3	9.0	9.5	10.1	10.6	11.1	11.4
95°	8.7	7.5	8.4	9.2	10.1	11.0	11.5	12.1	12.6	13.2	13.4
97.5°	37.5	34.0	28.3	22.7	17.0	11.4	12.0	12.6	13.3	13.9	14.2
100°	66.0	60.7	48.4	36.2	23.9	11.7	12.3	12.9	13.5	14.2	14.5
102.5°	82.9	76.8	63.4	50.0	36.6	23.3	21.3	19.4	17.4	15.5	14.6
105°	108.8	105.7	98.6	91.5	84.5	77.4	63.5	49.6	35.7	21.8	14.9
107.5°	136.5	137.4	138.5	139.6	140.7	141.8	131.6	121.5	111.3	101.1	90.7
110°	155.2	155.9	156.8	157.6	158.5	159.4	156.8	154.2	151.6	149.0	142.1



TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	173.0	173.7	174.6	175.5	176.3	177.2	177.2	177.3	177.3	177.4	176.2
115°	199.4	200.0	200.7	201.4	202.1	202.8	203.6	204.4	205.2	206.0	206.5
117.5°	225.8	226.3	226.6	227.0	227.4	227.7	228.3	229.0	229.6	230.2	230.6
120°	242.4	242.9	243.1	243.4	243.6	243.8	244.5	245.1	245.7	246.3	246.7
122.5°	258.3	258.7	259.0	259.3	259.6	259.9	260.4	260.8	261.3	261.7	261.9
125°	281.0	281.4	281.8	282.1	282.4	282.7	282.9	283.0	283.2	283.3	283.5
127.5°	302.7	303.2	303.6	304.0	304.4	304.7	305.0	305.2	305.5	305.8	305.8
130°	316.3	316.8	317.1	317.4	317.7	318.0	318.3	318.7	319.0	319.3	319.4
132.5°	329.3	329.7	330.0	330.3	330.5	330.8	331.1	331.4	331.7	332.0	332.1
135°	348.5	348.9	349.2	349.6	349.9	350.2	350.4	350.7	350.9	351.1	351.1
137.5°	366.0	366.4	366.6	366.7	366.9	367.1	367.5	367.8	368.2	368.6	368.7
140°	376.8	377.2	377.4	377.6	377.9	378.1	378.4	378.7	379.0	379.4	379.4
142.5°	387.3	387.6	387.9	388.1	388.3	388.6	388.8	389.1	389.3	389.6	389.6
145°	402.2	402.6	402.7	402.9	403.0	403.2	403.4	403.5	403.7	403.8	403.9
147.5°	415.2	415.5	415.7	415.8	416.0	416.1	416.3	416.4	416.6	416.8	416.7
150°	423.2	423.4	423.6	423.7	423.9	424.0	424.2	424.4	424.5	424.7	424.6
152.5°	430.3	430.5	430.5	430.6	430.7	430.8	431.1	431.4	431.7	432.0	431.9
155°	440.0	440.0	440.1	440.1	440.2	440.3	440.7	441.1	441.5	441.9	441.8
157.5°	448.9	448.9	448.8	448.7	448.6	448.6	449.0	449.5	450.0	450.5	450.4
160°	453.8	453.7	453.6	453.5	453.5	453.4	453.8	454.3	454.8	455.3	455.2
162.5°	458.1	457.9	457.8	457.8	457.7	457.6	458.1	458.7	459.2	459.7	459.8
165°	463.7	463.6	463.5	463.4	463.3	463.3	463.9	464.5	465.2	465.8	465.8
167.5°	467.9	467.8	467.8	467.8	467.8	467.8	468.4	469.0	469.7	470.3	470.3
170°	470.5	470.3	470.3	470.3	470.3	470.3	471.0	471.6	472.2	472.8	472.8
172.5°	471.9	471.8	471.8	471.9	472.0	472.0	472.7	473.3	473.9	474.5	474.5
175°	474.1	473.9	474.0	474.1	474.1	474.2	474.8	475.3	475.9	476.4	476.4
177.5°	474.9	474.8	474.9	474.9	475.0	475.1	475.6	476.1	476.6	477.1	477.0
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1033.2	1032.8	1035.7	1033.6	1035.7	1032.8	1033.2	1036.1	1037.0	1037.4	1037.4
5°	961.7	963.3	958.0	958.0	958.0	963.3	961.7	964.8	967.5	969.6	972.7
7.5°	898.0	895.7	895.9	893.1	895.9	895.7	898.0	900.6	903.9	908.5	912.8
10°	859.1	856.0	854.9	855.4	854.9	856.0	859.1	865.4	867.5	871.7	876.4
12.5°	826.8	826.2	819.3	819.4	819.3	826.2	826.8	828.5	833.1	841.9	847.5
15°	788.9	779.0	777.9	781.1	777.9	779.0	788.9	788.9	791.0	797.8	801.0
17.5°	750.9	745.7	746.0	744.4	746.0	745.7	750.9	751.8	753.4	759.0	763.2
20°	730.8	727.7	727.2	723.5	727.2	727.7	730.8	730.8	732.9	735.5	739.7
22.5°	712.4	711.4	711.7	707.6	711.7	711.4	712.4	713.7	715.8	717.5	720.5
25°	689.5	692.1	690.0	690.0	690.0	692.1	689.5	690.0	690.5	693.1	695.2
27.5°	674.0	673.9	672.8	672.8	672.8	673.9	674.0	672.7	672.1	671.2	670.7
30°	662.3	661.7	662.8	662.8	662.8	661.7	662.3	660.2	659.1	658.6	656.5
32.5°	650.5	651.3	651.5	651.9	651.5	651.3	650.5	648.0	646.1	644.8	643.1
35°	632.4	632.9	634.5	633.5	634.5	632.9	632.4	629.3	627.2	624.0	621.4
37.5°	607.9	610.3	609.8	610.6	609.8	610.3	607.9	607.0	604.9	602.5	599.4
40°	589.5	591.1	590.5	590.5	590.5	591.1	589.5	589.0	586.9	585.3	582.7
42.5°	570.6	571.8	570.4	569.6	570.4	571.8	570.6	569.7	568.4	565.6	562.6
45°	539.7	538.7	540.3	538.2	540.3	538.7	539.7	537.7	537.1	535.0	532.4
47.5°	505.2	506.2	506.7	508.2	506.7	506.2	505.2	505.4	502.5	501.2	500.4
50°	482.2	485.3	485.3	484.8	485.3	485.3	482.2	481.1	479.0	476.9	476.9
52.5°	459.5	461.0	463.1	463.0	463.1	461.0	459.5	457.7	455.6	452.6	451.8
55°	424.6	425.6	426.7	427.2	426.7	425.6	424.6	420.4	418.8	417.2	414.6
57.5°	388.3	387.9	390.4	391.2	390.4	387.9	388.3	384.6	382.2	377.4	376.7
60°	362.8	362.8	367.0	368.6	367.0	362.8	362.8	358.6	354.9	351.8	350.8
62.5°	335.6	337.3	341.4	339.2	341.4	337.3	335.6	331.0	328.1	324.2	321.4
65°	295.8	300.0	299.5	301.5	299.5	300.0	295.8	293.2	287.4	283.7	280.6
67.5°	254.2	256.8	260.6	260.9	260.6	256.8	254.2	250.0	246.3	242.4	238.6
70°	226.2	228.8	230.9	232.4	230.9	228.8	226.2	222.0	217.8	215.2	211.0
72.5°	198.9	200.3	205.3	203.1	205.3	200.3	198.9	193.9	190.6	188.4	183.8
75°	156.0	159.7	162.8	161.2	162.8	159.7	156.0	152.3	149.7	146.6	142.4
77.5°	115.4	119.0	120.5	119.2	120.5	119.0	115.4	113.0	111.6	105.4	105.0
80°	91.1	90.6	93.7	93.2	93.7	90.6	91.1	87.4	84.8	81.1	81.1
82.5°	66.8	66.3	67.7	68.1	67.7	66.3	66.8	64.8	61.4	59.8	58.5
85°	32.5	34.0	31.9	31.4	31.9	34.0	32.5	30.4	30.4	30.4	29.8
87.5°	9.6	9.6	9.2	8.8	9.2	9.6	9.6	9.5	11.2	9.8	9.8
90°	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.7	9.4	9.1
92.5°	11.4	11.5	11.6	11.7	11.6	11.5	11.4	11.4	11.1	10.6	10.1
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.2	12.6	12.1
97.5°	14.3	14.4	14.5	14.6	14.5	14.4	14.3	14.2	13.9	13.3	12.6
100°	14.6	14.7	14.8	14.8	14.8	14.7	14.6	14.5	14.2	13.5	12.9
102.5°	14.7	14.8	15.0	15.1	15.0	14.8	14.7	14.6	15.5	17.4	19.4
105°	15.1	15.2	15.4	15.5	15.4	15.2	15.1	14.9	21.8	35.7	49.6
107.5°	80.3	69.8	59.3	48.8	59.3	69.8	80.3	90.7	101.1	111.3	121.5
110°	130.9	119.6	108.4	97.2	108.4	119.6	130.9	142.1	149.0	151.6	154.2



TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	173.8	171.5	169.1	166.7	169.1	171.5	173.8	176.2	177.4	177.3	177.3
115°	206.8	207.2	207.5	207.8	207.5	207.2	206.8	206.5	206.0	205.2	204.4
117.5°	230.6	230.7	230.8	230.8	230.8	230.7	230.6	230.6	230.2	229.6	229.0
120°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.3	245.7	245.1
122.5°	262.0	262.1	262.1	262.2	262.1	262.1	262.0	261.9	261.7	261.3	260.8
125°	283.6	283.8	284.0	284.1	284.0	283.8	283.6	283.5	283.3	283.2	283.0
127.5°	305.6	305.5	305.3	305.2	305.3	305.5	305.6	305.8	305.8	305.5	305.2
130°	319.2	319.1	318.9	318.7	318.9	319.1	319.2	319.4	319.3	319.0	318.7
132.5°	331.8	331.6	331.4	331.2	331.4	331.6	331.8	332.1	332.0	331.7	331.4
135°	350.9	350.7	350.4	350.2	350.4	350.7	350.9	351.1	351.1	350.9	350.7
137.5°	368.5	368.4	368.2	368.1	368.2	368.4	368.5	368.7	368.6	368.2	367.8
140°	379.3	379.1	379.0	378.8	379.0	379.1	379.3	379.4	379.4	379.0	378.7
142.5°	389.4	389.1	388.9	388.7	388.9	389.1	389.4	389.6	389.6	389.3	389.1
145°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.8	403.7	403.5
147.5°	416.3	415.9	415.6	415.2	415.6	415.9	416.3	416.7	416.8	416.6	416.4
150°	424.4	424.2	423.9	423.7	423.9	424.2	424.4	424.6	424.7	424.5	424.4
152.5°	431.6	431.2	430.8	430.5	430.8	431.2	431.6	431.9	432.0	431.7	431.4
155°	441.4	440.9	440.4	439.9	440.4	440.9	441.4	441.8	441.9	441.5	441.1
157.5°	449.8	449.2	448.5	447.9	448.5	449.2	449.8	450.4	450.5	450.0	449.5
160°	454.7	454.1	453.6	453.0	453.6	454.1	454.7	455.2	455.3	454.8	454.3
162.5°	459.3	458.8	458.3	457.8	458.3	458.8	459.3	459.8	459.7	459.2	458.7
165°	465.3	464.7	464.2	463.6	464.2	464.7	465.3	465.8	465.8	465.2	464.5
167.5°	469.7	469.0	468.4	467.8	468.4	469.0	469.7	470.3	470.3	469.7	469.0
170°	472.2	471.6	471.0	470.3	471.0	471.6	472.2	472.8	472.8	472.2	471.6
172.5°	473.8	473.1	472.4	471.7	472.4	473.1	473.8	474.5	474.5	473.9	473.3
175°	475.8	475.1	474.5	473.9	474.5	475.1	475.8	476.4	476.4	475.9	475.3
177.5°	476.4	475.8	475.1	474.5	475.1	475.8	476.4	477.0	477.1	476.6	476.1
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1036.1	1036.1	1044.1	1049.1	1055.4	1059.6	1062.5	1065.5	1070.5	1077.2	1084.7
5°	976.9	979.0	990.5	1002.0	1013.0	1022.4	1030.3	1039.7	1051.2	1065.4	1081.1
7.5°	919.5	927.6	939.2	953.2	968.6	982.3	996.3	1011.8	1028.0	1048.8	1070.8
10°	882.7	891.6	905.7	923.5	939.7	955.9	973.2	990.0	1010.4	1035.0	1063.3
12.5°	850.4	858.9	873.4	892.9	908.3	926.2	946.0	967.8	990.7	1020.3	1052.4
15°	805.7	815.6	833.4	842.9	866.4	887.9	906.2	937.6	966.9	997.3	1034.5
17.5°	769.0	774.6	789.0	806.5	824.1	848.2	872.2	898.4	927.6	964.7	1011.2
20°	743.9	748.6	764.3	782.7	801.5	823.5	845.0	871.1	904.1	943.4	993.6
22.5°	725.1	730.2	740.5	760.0	777.6	795.9	817.3	848.5	883.6	922.0	976.5
25°	697.8	701.0	707.8	723.5	739.2	759.6	778.5	807.8	843.9	888.9	943.4
27.5°	672.0	675.0	680.7	692.0	706.6	723.2	743.7	768.6	805.3	854.2	912.0
30°	656.5	657.0	662.3	672.7	685.3	698.9	717.7	746.0	780.6	830.3	891.0
32.5°	643.1	641.1	644.7	652.6	664.8	678.4	693.9	721.7	755.0	803.9	866.3
35°	620.4	619.3	617.8	624.6	635.0	645.5	659.1	680.1	717.7	763.3	828.7
37.5°	597.2	594.7	591.9	595.0	603.2	614.1	625.9	644.6	677.0	727.2	789.8
40°	580.1	578.0	576.4	575.3	582.7	593.1	602.0	619.8	650.2	697.8	759.6
42.5°	561.2	560.0	558.0	556.5	562.6	570.5	579.8	595.6	625.9	670.6	729.1
45°	530.8	529.8	528.8	527.7	531.4	538.7	546.0	557.5	583.7	627.2	680.1
47.5°	497.0	495.7	496.1	494.4	498.0	502.9	508.0	520.4	545.5	580.6	619.2
50°	472.7	472.2	472.2	472.2	473.3	479.0	483.7	493.2	516.2	551.3	579.0
52.5°	449.7	447.5	447.5	448.3	450.2	453.9	456.9	467.2	487.3	516.1	541.3
55°	413.6	409.4	408.3	409.4	411.0	414.1	417.2	425.6	442.9	464.4	479.0
57.5°	373.6	371.3	369.9	370.1	371.0	373.5	375.9	385.0	398.6	409.8	419.2
60°	345.5	346.6	341.9	342.9	342.9	345.0	348.7	354.4	365.9	373.8	383.2
62.5°	319.1	317.7	316.3	314.8	314.8	315.7	320.6	325.1	334.9	339.0	346.4
65°	278.0	278.0	274.8	275.9	276.4	272.8	275.4	280.6	286.9	288.5	295.3
67.5°	236.3	234.9	233.1	231.5	231.5	231.2	232.5	235.2	239.9	240.4	245.6
70°	207.8	206.8	206.3	204.7	202.6	205.2	203.6	206.3	208.9	209.4	212.5
72.5°	180.2	179.1	178.2	176.6	175.8	175.5	175.6	178.6	180.4	179.7	183.2
75°	140.8	139.8	138.7	136.1	136.1	134.5	135.1	137.2	139.3	137.7	140.8
77.5°	103.4	100.2	100.0	100.7	98.9	99.3	98.6	98.3	99.3	99.4	102.2
80°	79.6	75.9	77.0	76.4	75.9	75.4	74.3	74.9	75.4	75.9	77.5
82.5°	57.4	57.1	56.0	55.9	55.4	54.0	53.4	54.3	54.9	54.6	55.7
85°	29.3	27.7	28.8	28.3	28.8	28.3	26.7	26.7	27.7	27.2	28.3
87.5°	10.6	10.5	9.9	10.1	9.5	9.7	9.1	9.3	9.6	9.4	10.1
90°	8.8	8.5	7.5	6.4	5.4	4.4	3.5	2.7	1.9	1.1	0.4
92.5°	9.5	9.0	8.3	7.5	6.7	6.0	5.7	5.9	6.1	6.4	6.6
95°	11.5	11.0	10.1	9.2	8.4	7.5	8.7	11.9	15.1	18.3	21.6
97.5°	12.0	11.4	17.0	22.7	28.3	34.0	37.5	39.0	40.4	41.9	43.3
100°	12.3	11.7	23.9	36.2	48.4	60.7	66.0	64.4	62.9	61.3	59.7
102.5°	21.3	23.3	36.6	50.0	63.4	76.8	82.9	81.8	80.6	79.5	78.4
105°	63.5	77.4	84.5	91.5	98.6	105.7	108.8	107.9	107.0	106.2	105.3
107.5°	131.6	141.8	140.7	139.6	138.5	137.4	136.5	135.8	135.1	134.4	133.7
110°	156.8	159.4	158.5	157.6	156.8	155.9	155.2	154.5	153.9	153.3	152.7



TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	177.2	177.2	176.3	175.5	174.6	173.7	173.0	172.4	171.9	171.3	170.7
115°	203.6	202.8	202.1	201.4	200.7	200.0	199.4	198.9	198.5	198.0	197.5
117.5°	228.3	227.7	227.4	227.0	226.6	226.3	225.8	225.2	224.6	224.1	223.5
120°	244.5	243.8	243.6	243.4	243.1	242.9	242.4	241.7	241.0	240.3	239.6
122.5°	260.4	259.9	259.6	259.3	259.0	258.7	258.3	257.7	257.1	256.6	256.0
125°	282.9	282.7	282.4	282.1	281.8	281.4	281.0	280.3	279.7	279.1	278.5
127.5°	305.0	304.7	304.4	304.0	303.6	303.2	302.7	302.1	301.5	300.9	300.2
130°	318.3	318.0	317.7	317.4	317.1	316.8	316.3	315.7	315.0	314.4	313.8
132.5°	331.1	330.8	330.5	330.3	330.0	329.7	329.3	328.7	328.1	327.4	326.8
135°	350.4	350.2	349.9	349.6	349.2	348.9	348.5	348.1	347.6	347.1	346.7
137.5°	367.5	367.1	366.9	366.7	366.6	366.4	366.0	365.4	364.8	364.2	363.6
140°	378.4	378.1	377.9	377.6	377.4	377.2	376.8	376.3	375.9	375.4	374.9
142.5°	388.8	388.6	388.3	388.1	387.9	387.6	387.3	386.8	386.3	385.9	385.4
145°	403.4	403.2	403.0	402.9	402.7	402.6	402.2	401.7	401.1	400.6	400.0
147.5°	416.3	416.1	416.0	415.8	415.7	415.5	415.2	414.9	414.5	414.2	413.8
150°	424.2	424.0	423.9	423.7	423.6	423.4	423.2	423.0	422.7	422.5	422.3
152.5°	431.1	430.8	430.7	430.6	430.5	430.5	430.3	430.2	430.1	430.0	429.9
155°	440.7	440.3	440.2	440.1	440.1	440.0	440.0	440.2	440.3	440.5	440.7
157.5°	449.0	448.6	448.6	448.7	448.8	448.9	448.9	448.9	449.0	449.0	449.0
160°	453.8	453.4	453.5	453.5	453.6	453.7	453.8	453.8	453.9	454.0	454.1
162.5°	458.1	457.6	457.7	457.8	457.8	457.9	458.1	458.3	458.5	458.7	458.9
165°	463.9	463.3	463.3	463.4	463.5	463.6	463.7	464.0	464.2	464.4	464.7
167.5°	468.4	467.8	467.8	467.8	467.8	467.8	467.9	468.3	468.6	468.9	469.2
170°	471.0	470.3	470.3	470.3	470.3	470.3	470.5	470.8	471.1	471.4	471.7
172.5°	472.7	472.0	472.0	471.9	471.8	471.8	471.9	472.3	472.7	473.1	473.4
175°	474.8	474.2	474.1	474.1	474.0	473.9	474.1	474.5	474.8	475.2	475.6
177.5°	475.6	475.1	475.0	474.9	474.9	474.8	474.9	475.3	475.6	475.9	476.2
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1087.2	1089.3	1096.5	1101.5	1107.3	1110.7	1114.0	1116.6	1119.9	1120.7	1132.9
5°	1092.1	1102.5	1120.9	1134.5	1151.2	1169.5	1182.1	1187.9	1203.0	1215.6	1240.7
7.5°	1090.7	1113.0	1140.6	1169.3	1200.1	1228.6	1253.3	1282.6	1303.5	1334.8	1365.6
10°	1089.4	1119.3	1154.9	1191.5	1234.5	1274.2	1309.8	1349.6	1382.6	1426.1	1463.2
12.5°	1085.7	1121.8	1171.2	1214.6	1266.7	1321.6	1374.3	1425.4	1454.6	1527.0	1561.2
15°	1076.4	1119.3	1181.1	1247.0	1318.7	1383.7	1450.7	1504.1	1590.4	1653.8	1694.1
17.5°	1058.6	1118.7	1191.9	1271.5	1358.7	1444.3	1520.2	1601.2	1692.8	1769.5	1851.2
20°	1050.2	1116.1	1197.8	1285.8	1376.3	1473.2	1559.6	1656.9	1756.9	1832.3	1937.0
22.5°	1034.7	1109.4	1197.4	1295.4	1392.2	1492.4	1593.5	1691.7	1807.2	1911.1	2010.7
25°	1009.3	1093.1	1184.2	1293.6	1407.2	1507.7	1628.7	1759.0	1879.4	2012.9	2112.4
27.5°	982.7	1072.2	1163.5	1265.2	1387.4	1506.7	1658.8	1806.1	1953.4	2068.6	2142.2
30°	962.2	1049.1	1143.4	1246.0	1366.9	1508.8	1678.9	1839.6	1983.1	2082.0	2123.4
32.5°	940.0	1028.2	1111.5	1219.2	1348.1	1507.5	1691.5	1859.3	1984.8	2050.6	2042.6
35°	905.2	979.0	1060.1	1163.8	1315.6	1498.3	1698.8	1861.1	1938.1	1923.9	1817.1
37.5°	854.9	917.0	996.9	1110.4	1277.9	1478.9	1684.2	1805.9	1800.9	1685.8	1531.1
40°	823.5	876.4	953.3	1072.7	1248.6	1466.4	1661.1	1740.2	1673.2	1512.4	1327.1
42.5°	782.5	831.1	908.1	1030.8	1216.3	1440.8	1617.1	1640.1	1509.0	1324.0	1154.1
45°	718.8	761.7	841.3	968.0	1168.0	1385.2	1509.8	1453.8	1277.4	1086.3	957.0
47.5°	650.4	695.0	771.6	901.7	1098.0	1301.6	1360.9	1241.8	1060.6	905.7	787.0
50°	607.3	650.2	725.1	856.5	1050.7	1232.9	1257.5	1103.6	937.1	801.0	703.6
52.5°	563.7	604.1	677.7	809.6	995.4	1153.3	1138.1	981.3	828.2	712.2	635.8
55°	498.9	537.1	607.3	730.8	899.9	1025.0	970.1	820.4	693.7	603.6	545.5
57.5°	440.9	477.6	538.1	649.7	796.7	882.7	812.7	686.5	585.8	516.5	473.2
60°	401.5	434.0	491.6	595.2	723.0	788.4	719.3	607.8	523.0	467.5	428.8
62.5°	364.3	392.5	445.9	540.0	650.9	705.9	636.0	541.6	469.4	420.2	387.3
65°	307.8	333.5	380.6	453.9	545.0	581.6	521.4	445.0	389.0	352.3	330.3
67.5°	256.3	278.1	318.8	376.5	443.5	470.2	424.4	365.2	323.0	293.6	276.1
70°	222.0	240.8	272.8	322.5	383.2	403.6	360.7	312.0	281.1	257.6	241.3
72.5°	193.1	206.9	235.9	274.3	325.0	341.2	311.3	268.5	239.7	222.0	209.1
75°	147.1	158.6	177.5	208.4	243.4	252.9	230.3	203.6	184.3	171.7	161.8
77.5°	106.1	114.5	128.2	147.2	171.5	180.0	165.7	147.9	133.8	125.3	119.8
80°	80.1	86.9	98.4	114.1	128.8	133.5	125.1	111.5	101.6	96.9	92.1
82.5°	59.2	63.0	69.9	80.6	90.7	96.2	89.1	80.9	75.6	71.3	69.5
85°	29.8	31.9	35.1	39.3	45.5	47.6	45.0	42.9	39.8	37.2	37.2
87.5°	11.1	11.3	12.7	13.7	15.5	17.0	16.8	16.2	15.9	15.6	15.2
90°	1.1	1.9	2.7	3.5	4.4	5.4	6.4	7.5	8.5	8.8	9.1
92.5°	6.4	6.1	5.9	5.7	6.0	6.7	7.5	8.3	9.0	9.5	10.1
95°	18.3	15.1	11.9	8.7	7.5	8.4	9.2	10.1	11.0	11.5	12.1
97.5°	41.9	40.4	39.0	37.5	34.0	28.3	22.7	17.0	11.4	12.0	12.6
100°	61.3	62.9	64.4	66.0	60.7	48.4	36.2	23.9	11.7	12.3	12.9
102.5°	79.5	80.6	81.8	82.9	76.8	63.4	50.0	36.6	23.3	21.3	19.4
105°	106.2	107.0	107.9	108.8	105.7	98.6	91.5	84.5	77.4	63.5	49.6
107.5°	134.4	135.1	135.8	136.5	137.4	138.5	139.6	140.7	141.8	131.6	121.5
110°	153.3	153.9	154.5	155.2	155.9	156.8	157.6	158.5	159.4	156.8	154.2





TEST NUMBER: P331955

CATALOG NUMBER: S123DIP-S775D365U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.3	171.9	172.4	173.0	173.7	174.6	175.5	176.3	177.2	177.2	177.3
115°	198.0	198.5	198.9	199.4	200.0	200.7	201.4	202.1	202.8	203.6	204.4
117.5°	224.1	224.6	225.2	225.8	226.3	226.6	227.0	227.4	227.7	228.3	229.0
120°	240.3	241.0	241.7	242.4	242.9	243.1	243.4	243.6	243.8	244.5	245.1
122.5°	256.6	257.1	257.7	258.3	258.7	259.0	259.3	259.6	259.9	260.4	260.8
125°	279.1	279.7	280.3	281.0	281.4	281.8	282.1	282.4	282.7	282.9	283.0
127.5°	300.9	301.5	302.1	302.7	303.2	303.6	304.0	304.4	304.7	305.0	305.2
130°	314.4	315.0	315.7	316.3	316.8	317.1	317.4	317.7	318.0	318.3	318.7
132.5°	327.4	328.1	328.7	329.3	329.7	330.0	330.3	330.5	330.8	331.1	331.4
135°	347.1	347.6	348.1	348.5	348.9	349.2	349.6	349.9	350.2	350.4	350.7
137.5°	364.2	364.8	365.4	366.0	366.4	366.6	366.7	366.9	367.1	367.5	367.8
140°	375.4	375.9	376.3	376.8	377.2	377.4	377.6	377.9	378.1	378.4	378.7
142.5°	385.9	386.3	386.8	387.3	387.6	387.9	388.1	388.3	388.6	388.8	389.1
145°	400.6	401.1	401.7	402.2	402.6	402.7	402.9	403.0	403.2	403.4	403.5
147.5°	414.2	414.5	414.9	415.2	415.5	415.7	415.8	416.0	416.1	416.3	416.4
150°	422.5	422.7	423.0	423.2	423.4	423.6	423.7	423.9	424.0	424.2	424.4
152.5°	430.0	430.1	430.2	430.3	430.5	430.5	430.6	430.7	430.8	431.1	431.4
155°	440.5	440.3	440.2	440.0	440.0	440.1	440.1	440.2	440.3	440.7	441.1
157.5°	449.0	449.0	448.9	448.9	448.9	448.8	448.7	448.6	448.6	449.0	449.5
160°	454.0	453.9	453.8	453.8	453.7	453.6	453.5	453.5	453.4	453.8	454.3
162.5°	458.7	458.5	458.3	458.1	457.9	457.8	457.8	457.7	457.6	458.1	458.7
165°	464.4	464.2	464.0	463.7	463.6	463.5	463.4	463.3	463.3	463.9	464.5
167.5°	468.9	468.6	468.3	467.9	467.8	467.8	467.8	467.8	467.8	468.4	469.0
170°	471.4	471.1	470.8	470.5	470.3	470.3	470.3	470.3	470.3	471.0	471.6
172.5°	473.1	472.7	472.3	471.9	471.8	471.8	471.9	472.0	472.0	472.7	473.3
175°	475.2	474.8	474.5	474.1	473.9	474.0	474.1	474.1	474.2	474.8	475.3
177.5°	475.9	475.6	475.3	474.9	474.8	474.9	474.9	475.0	475.1	475.6	476.1
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1137.1	1137.5	1142.1	1145.5	1143.8	1145.9	1146.7
5°	1242.3	1261.2	1271.1	1278.4	1279.0	1279.5	1283.7
7.5°	1391.5	1411.7	1426.5	1448.9	1455.6	1463.2	1461.0
10°	1500.4	1530.2	1555.9	1569.5	1584.2	1605.6	1588.4
12.5°	1602.2	1655.1	1694.1	1715.3	1729.1	1733.4	1724.9
15°	1770.0	1839.1	1876.3	1875.2	1922.4	1942.8	1910.8
17.5°	1923.9	1987.7	2038.8	2065.0	2104.2	2112.9	2108.9
20°	2018.2	2087.8	2127.6	2172.6	2193.0	2211.3	2214.5
22.5°	2099.4	2161.9	2204.6	2242.1	2259.2	2267.9	2273.1
25°	2183.1	2232.3	2257.9	2271.0	2275.7	2274.7	2267.9
27.5°	2177.3	2181.1	2152.8	2125.1	2100.3	2072.3	2062.7
30°	2120.8	2076.8	1998.3	1953.8	1888.3	1836.5	1857.4
32.5°	1972.1	1884.6	1796.4	1699.1	1618.6	1595.7	1572.6
35°	1683.1	1529.2	1439.2	1334.4	1292.6	1250.7	1221.9
37.5°	1361.7	1242.6	1135.8	1067.3	1025.4	998.9	984.6
40°	1177.4	1070.1	982.1	926.6	894.7	864.9	860.7
42.5°	1030.4	930.6	864.4	820.2	789.6	776.9	767.7
45°	843.9	774.3	729.8	698.4	678.0	670.1	659.6
47.5°	714.3	665.1	631.7	610.3	594.9	589.1	588.2
50°	641.8	601.0	576.4	559.6	547.6	545.5	537.1
52.5°	587.4	552.0	532.8	518.2	509.5	503.6	501.1
55°	509.9	486.3	469.1	460.7	453.9	448.1	448.1
57.5°	446.1	426.5	415.0	407.9	405.8	401.7	399.1
60°	406.8	390.0	381.1	374.8	370.7	371.2	366.5
62.5°	368.2	357.4	348.9	342.6	337.6	337.7	338.0
65°	313.6	305.2	298.9	296.8	293.7	290.0	291.1
67.5°	265.7	257.9	253.0	249.4	248.4	246.4	249.4
70°	231.4	225.6	222.0	218.8	217.8	218.3	220.9
72.5°	200.0	195.9	193.5	192.0	189.7	189.8	191.6
75°	157.1	153.9	151.8	150.2	149.7	149.7	149.7
77.5°	115.4	114.7	113.7	111.4	111.5	112.1	112.2
80°	91.1	89.5	89.0	88.0	86.4	85.3	88.0
82.5°	68.1	66.5	66.0	65.8	63.3	63.1	65.3
85°	36.6	35.1	35.6	35.1	35.1	34.6	34.6
87.5°	14.9	14.5	14.1	14.6	14.2	13.8	14.7
90°	9.4	9.7	10.0	10.1	10.3	10.4	10.6
92.5°	10.6	11.1	11.4	11.4	11.5	11.6	11.7
95°	12.6	13.2	13.4	13.4	13.4	13.4	13.4
97.5°	13.3	13.9	14.2	14.3	14.4	14.5	14.6
100°	13.5	14.2	14.5	14.6	14.7	14.8	14.8
102.5°	17.4	15.5	14.6	14.7	14.8	15.0	15.1
105°	35.7	21.8	14.9	15.1	15.2	15.4	15.5
107.5°	111.3	101.1	90.7	80.3	69.8	59.3	48.8
110°	151.6	149.0	142.1	130.9	119.6	108.4	97.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	177.3	177.4	176.2	173.8	171.5	169.1	166.7
115°	205.2	206.0	206.5	206.8	207.2	207.5	207.8
117.5°	229.6	230.2	230.6	230.6	230.7	230.8	230.8
120°	245.7	246.3	246.7	246.7	246.7	246.7	246.7
122.5°	261.3	261.7	261.9	262.0	262.1	262.1	262.2
125°	283.2	283.3	283.5	283.6	283.8	284.0	284.1
127.5°	305.5	305.8	305.8	305.6	305.5	305.3	305.2
130°	319.0	319.3	319.4	319.2	319.1	318.9	318.7
132.5°	331.7	332.0	332.1	331.8	331.6	331.4	331.2
135°	350.9	351.1	351.1	350.9	350.7	350.4	350.2
137.5°	368.2	368.6	368.7	368.5	368.4	368.2	368.1
140°	379.0	379.4	379.4	379.3	379.1	379.0	378.8
142.5°	389.3	389.6	389.6	389.4	389.1	388.9	388.7
145°	403.7	403.8	403.9	403.9	403.9	403.9	403.9
147.5°	416.6	416.8	416.7	416.3	415.9	415.6	415.2
150°	424.5	424.7	424.6	424.4	424.2	423.9	423.7
152.5°	431.7	432.0	431.9	431.6	431.2	430.8	430.5
155°	441.5	441.9	441.8	441.4	440.9	440.4	439.9
157.5°	450.0	450.5	450.4	449.8	449.2	448.5	447.9
160°	454.8	455.3	455.2	454.7	454.1	453.6	453.0
162.5°	459.2	459.7	459.8	459.3	458.8	458.3	457.8
165°	465.2	465.8	465.8	465.3	464.7	464.2	463.6
167.5°	469.7	470.3	470.3	469.7	469.0	468.4	467.8
170°	472.2	472.8	472.8	472.2	471.6	471.0	470.3
172.5°	473.9	474.5	474.5	473.8	473.1	472.4	471.7
175°	475.9	476.4	476.4	475.8	475.1	474.5	473.9
177.5°	476.6	477.1	477.0	476.4	475.8	475.1	474.5
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6

(END OF REPORT)