

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: P331965-930

Luminaire Tested: **S123DIP-S775D585U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331965-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D585U930-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4300.9 lumens
Efficiency: N/A
Efficacy: 106.7 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

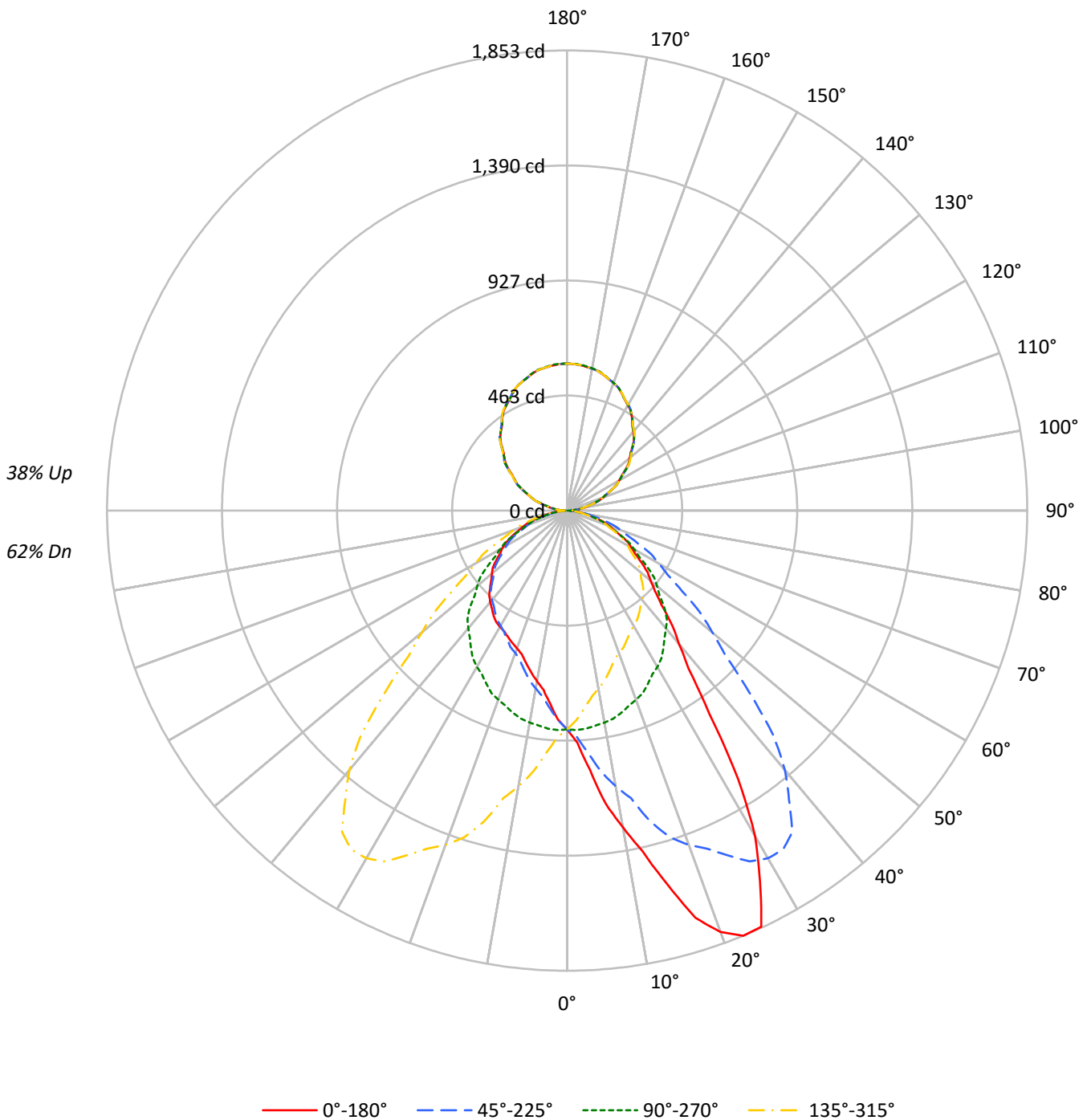
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	89	94	91	87	84	79	77	75	69	67	66	60	59	57	53
2	92	85	79	73	86	80	74	70	70	66	62	61	58	55	53	51	49	45
3	84	75	67	62	79	70	64	59	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	42	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	35	38	35	32	29
6	65	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9482	9482	9482	9482
5°	11309	9524	8440	9524
10°	14154	9475	7623	9475
15°	17361	9399	7096	9399
20°	20681	9279	6757	9279
25°	21960	9136	6682	9136
30°	18821	9028	6717	9028
35°	13090	8878	6787	8878
40°	9860	8702	6764	8702
45°	8187	8441	6680	8441
50°	7333	7906	6620	7906
55°	6855	7328	6536	7328
60°	6433	6725	6469	6725
65°	6044	6133	6260	6133
70°	5668	5454	5964	5454
75°	5078	4774	5465	4774
80°	4444	3918	4711	3918
85°	3483	2853	3162	2853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	2.0
10°-20°	278.3	6.5
20°-30°	467.0	10.9
30°-40°	528.8	12.3
40°-50°	474.2	11.0
50°-60°	382.7	8.9
60°-70°	266.7	6.2
70°-80°	140.2	3.3
80°-90°	36.0	0.8
90°-100°	38.6	0.9
100°-110°	115.4	2.7
110°-120°	196.3	4.6
120°-130°	258.2	6.0
130°-140°	290.3	6.7
140°-150°	285.3	6.6
150°-160°	240.2	5.6
160°-170°	159.9	3.7
170°-180°	56.0	1.3
0°-30°	832.1	19.3
0°-40°	1360.9	31.6
0°-60°	2217.8	51.6
0°-90°	2660.7	61.9
90°-120°	350.3	8.1
90°-150°	1184.1	27.5
90°-180°	1640.0	38.1
0°-180°	4300.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	881	881	881	881	881	
5°	1047	881	781	881	1047	108
15°	1558	843	637	843	1558	450
25°	1849	769	563	769	1849	811
35°	996	676	516	676	996	647
45°	538	554	439	554	538	426
55°	365	390	348	390	365	328
65°	237	241	246	241	237	236
75°	122	115	131	115	122	131
85°	28	23	26	23	28	34
90°	14	0	14	0	14	8
95°	36	28	36	28	36	37
105°	111	105	111	105	111	117
115°	198	198	198	198	198	196
125°	286	289	286	289	286	256
135°	375	375	375	375	375	288
145°	455	455	455	455	455	284
155°	520	521	520	521	520	240
165°	566	568	566	568	566	160
175°	588	591	588	591	588	56
180°	592	592	592	592	592	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	934.9	934.3	932.5	933.9	931.2	927.4	927.1	923.7	913.7	913.1	910.4
5°	1046.6	1043.2	1042.8	1042.3	1036.3	1028.3	1012.8	1011.5	991.1	980.8	968.5
7.5°	1191.2	1192.9	1186.7	1181.3	1163.0	1151.0	1134.5	1113.4	1088.3	1062.7	1045.7
10°	1295.0	1309.0	1291.6	1279.6	1268.5	1247.6	1223.3	1192.9	1162.7	1127.2	1100.3
12.5°	1406.3	1413.2	1409.7	1398.5	1381.2	1349.4	1306.3	1272.8	1245.0	1185.9	1162.1
15°	1557.9	1584.0	1567.3	1528.8	1529.7	1499.4	1443.1	1381.2	1348.3	1296.7	1226.3
17.5°	1719.4	1722.6	1715.6	1683.6	1662.2	1620.6	1568.6	1509.3	1442.7	1380.1	1305.5
20°	1805.5	1802.9	1788.0	1771.3	1734.6	1702.2	1645.4	1579.2	1493.9	1432.4	1350.9
22.5°	1853.3	1849.0	1841.9	1828.0	1797.4	1762.6	1711.6	1639.3	1558.1	1473.4	1379.2
25°	1849.0	1854.6	1855.4	1851.5	1840.9	1820.0	1779.9	1722.2	1641.1	1532.3	1434.1
27.5°	1681.7	1689.5	1712.4	1732.6	1755.2	1778.2	1775.2	1746.5	1686.5	1592.6	1472.5
30°	1514.3	1497.3	1539.5	1592.9	1629.2	1693.2	1729.1	1731.2	1697.5	1616.8	1499.8
32.5°	1282.1	1301.0	1319.6	1385.3	1464.6	1536.5	1607.9	1665.3	1671.9	1618.2	1515.9
35°	996.2	1019.7	1053.9	1087.9	1173.4	1246.8	1372.2	1481.5	1568.6	1580.1	1517.4
37.5°	802.7	814.4	836.0	870.2	926.0	1013.1	1110.2	1248.3	1374.4	1468.3	1472.3
40°	701.7	705.2	729.4	755.5	800.7	872.5	959.9	1082.0	1233.1	1364.2	1418.8
42.5°	625.9	633.4	643.8	668.7	704.7	758.7	840.1	940.9	1079.5	1230.3	1337.2
45°	537.8	546.3	552.8	569.4	595.0	631.3	688.0	780.2	885.7	1041.5	1185.3
47.5°	479.6	480.3	485.0	497.6	515.0	542.3	582.4	641.6	738.4	864.7	1012.4
50°	437.9	444.7	446.5	456.2	469.9	490.0	523.3	573.6	653.1	764.0	899.8
52.5°	408.5	410.6	415.4	422.5	434.4	450.0	478.9	518.4	580.7	675.2	800.1
55°	365.3	365.3	370.1	375.6	382.5	396.5	415.7	444.7	492.1	565.6	668.9
57.5°	325.4	327.5	330.8	332.6	338.3	347.7	363.7	385.8	421.1	477.6	559.7
60°	298.8	302.6	302.2	305.6	310.7	318.0	331.7	349.6	381.2	426.4	495.5
62.5°	275.6	275.3	275.2	279.3	284.5	291.4	300.2	315.8	342.6	382.7	441.6
65°	237.3	236.4	239.5	242.0	243.7	248.8	255.7	269.3	287.2	317.2	362.8
67.5°	203.3	200.9	202.5	203.3	206.3	210.3	216.6	225.1	239.4	263.3	297.7
70°	180.1	178.0	177.6	178.4	181.0	183.9	188.7	196.7	210.0	229.2	254.4
72.5°	156.2	154.7	154.7	156.5	157.8	159.7	163.1	170.5	181.0	195.4	218.9
75°	122.1	122.1	122.1	122.5	123.8	125.5	128.1	131.9	140.0	150.3	166.0
77.5°	91.5	91.4	90.9	90.8	92.7	93.5	94.1	97.7	102.2	109.1	120.6
80°	71.7	69.5	70.4	71.7	72.6	73.0	74.3	75.1	79.0	82.8	90.9
82.5°	53.2	51.4	51.6	53.6	53.8	54.2	55.5	56.7	58.1	61.6	66.0
85°	28.2	28.2	28.6	28.6	29.0	28.6	29.8	30.3	30.3	32.4	35.0
87.5°	13.0	12.3	12.6	12.9	12.6	12.8	13.0	13.3	13.6	13.9	13.9
90°	13.9	13.8	13.5	13.4	13.1	12.8	12.4	12.0	11.6	11.2	9.8
92.5°	18.8	18.9	19.0	19.2	19.3	19.2	18.8	18.5	18.2	17.9	17.1
95°	36.3	36.3	36.3	36.3	36.3	36.0	35.6	35.2	34.8	34.4	33.6
97.5°	55.8	55.8	55.8	55.9	55.9	55.8	55.3	54.8	54.3	53.9	53.2
100°	70.7	70.4	70.3	70.0	69.9	69.6	69.3	69.0	68.6	68.3	67.8
102.5°	85.9	86.0	86.0	86.1	86.1	85.9	85.7	85.4	85.0	84.7	84.1
105°	110.7	110.5	110.2	110.1	109.8	109.7	109.7	109.7	109.7	109.7	108.8
107.5°	136.5	136.6	136.7	136.8	137.0	136.8	136.5	136.2	135.8	135.5	135.2
110°	153.9	154.2	154.3	154.6	154.7	154.7	154.3	153.8	153.4	153.0	152.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	172.5	172.6	172.6	172.7	172.7	172.4	171.9	171.5	171.0	170.5	170.5
115°	198.1	198.2	198.3	198.4	198.5	198.5	198.4	198.3	198.2	198.1	198.3
117.5°	224.0	224.4	224.6	224.9	225.2	225.3	225.3	225.4	225.4	225.4	225.8
120°	242.3	242.5	242.7	242.9	243.1	243.3	243.4	243.4	243.6	243.7	244.2
122.5°	259.8	260.1	260.3	260.7	260.9	261.2	261.5	261.7	262.0	262.3	262.5
125°	286.0	286.4	286.8	287.2	287.6	288.0	288.5	288.9	289.3	289.8	289.9
127.5°	312.1	312.6	313.1	313.6	314.1	314.5	315.1	315.7	316.3	316.9	317.1
130°	329.2	330.0	330.7	331.4	332.2	332.7	333.1	333.5	333.9	334.4	334.7
132.5°	347.1	347.6	348.2	348.8	349.4	349.8	350.3	350.8	351.3	351.9	352.0
135°	374.8	375.0	375.2	375.4	375.6	375.9	376.3	376.7	377.2	377.6	377.7
137.5°	399.3	399.7	400.1	400.5	400.9	401.3	401.7	402.1	402.6	403.0	402.8
140°	415.3	416.0	416.7	417.4	418.2	418.6	418.7	418.8	418.9	419.0	418.9
142.5°	431.6	432.2	432.8	433.3	433.9	434.2	434.3	434.4	434.6	434.6	434.5
145°	455.3	455.7	456.1	456.5	456.9	457.2	457.3	457.4	457.5	457.6	457.3
147.5°	476.3	477.0	477.5	478.2	478.7	479.1	479.1	479.1	479.1	479.1	478.8
150°	489.7	490.3	490.9	491.5	492.2	492.4	492.4	492.4	492.4	492.4	492.3
152.5°	502.7	503.3	503.8	504.3	504.8	505.1	504.9	504.8	504.5	504.3	504.3
155°	520.4	521.1	521.8	522.5	523.3	523.4	523.0	522.6	522.2	521.8	521.7
157.5°	536.5	537.0	537.6	538.2	538.7	538.8	538.4	538.0	537.5	537.1	537.0
160°	546.9	547.3	547.7	548.1	548.5	548.5	548.0	547.5	546.9	546.4	546.4
162.5°	554.7	555.4	556.0	556.7	557.3	557.4	556.9	556.4	555.9	555.4	555.3
165°	566.0	566.7	567.4	568.1	568.8	568.9	568.3	567.7	567.0	566.4	566.4
167.5°	575.5	576.2	576.8	577.5	578.1	578.1	577.5	576.8	576.2	575.5	575.4
170°	580.3	581.1	581.8	582.5	583.3	583.3	582.5	581.8	581.1	580.3	580.3
172.5°	584.1	584.8	585.5	586.3	587.0	587.0	586.4	585.7	585.1	584.5	584.5
175°	588.2	589.0	589.7	590.4	591.2	591.3	590.6	590.0	589.4	588.7	588.7
177.5°	590.5	591.1	591.7	592.2	592.8	592.9	592.4	591.9	591.3	590.8	590.8
180°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	908.2	905.6	902.8	898.1	894.0	888.1	886.4	884.4	878.2	872.8	868.7
5°	963.8	953.5	938.6	925.0	913.9	898.9	890.4	881.4	868.6	857.0	847.7
7.5°	1021.8	1001.7	978.4	953.3	929.9	907.4	889.2	873.0	855.1	838.1	824.9
10°	1067.9	1038.9	1006.5	971.4	941.6	912.6	888.2	866.9	843.8	823.8	807.1
12.5°	1120.5	1077.5	1032.7	990.3	954.9	914.6	885.2	858.0	831.8	807.7	789.0
15°	1182.8	1128.1	1075.1	1016.7	963.0	912.6	877.6	843.4	813.1	788.3	764.4
17.5°	1239.4	1177.5	1107.7	1036.7	971.8	912.1	863.1	824.4	786.5	756.3	732.5
20°	1271.5	1201.1	1122.1	1048.3	976.6	910.0	856.2	810.1	769.2	737.1	710.2
22.5°	1299.2	1216.8	1135.1	1056.1	976.2	904.5	843.6	796.1	751.7	720.4	691.8
25°	1327.9	1229.2	1147.3	1054.7	965.5	891.2	822.9	769.2	724.7	688.0	658.6
27.5°	1352.4	1228.4	1131.1	1031.5	948.6	874.2	801.2	743.6	696.4	656.6	626.6
30°	1368.8	1230.1	1114.4	1015.9	932.2	855.3	784.5	726.4	676.9	636.4	608.2
32.5°	1379.1	1229.1	1099.1	994.0	906.2	838.3	766.4	706.3	655.4	615.6	588.4
35°	1385.0	1221.6	1072.6	948.8	864.3	798.2	738.0	675.6	622.3	585.1	554.5
37.5°	1373.1	1205.7	1041.9	905.3	812.8	747.6	697.0	643.9	592.9	552.0	525.5
40°	1354.3	1195.6	1018.0	874.6	777.2	714.5	671.4	619.3	568.9	530.1	505.3
42.5°	1318.4	1174.7	991.6	840.4	740.4	677.6	638.0	594.4	546.7	510.3	485.6
45°	1230.9	1129.4	952.3	789.2	685.9	621.0	586.0	554.5	511.4	475.9	454.5
47.5°	1109.5	1061.2	895.2	735.2	629.1	566.6	530.3	504.8	473.4	444.7	424.3
50°	1025.2	1005.2	856.6	698.3	591.2	530.1	495.1	472.1	449.5	420.9	402.1
52.5°	927.9	940.3	811.5	660.1	552.5	492.5	459.6	441.3	420.8	397.3	380.9
55°	790.9	835.7	733.7	595.8	495.1	437.9	406.8	390.5	378.6	361.1	347.0
57.5°	662.6	719.7	649.5	529.7	438.7	389.4	359.5	341.8	334.1	325.0	313.9
60°	586.4	642.8	589.5	485.3	400.8	353.8	327.3	312.4	304.8	298.3	288.9
62.5°	518.5	575.5	530.7	440.3	363.5	320.0	297.0	282.4	276.4	273.0	265.1
65°	425.1	474.2	444.3	370.1	310.3	271.9	250.9	240.8	235.2	233.9	228.8
67.5°	346.0	383.4	361.6	307.0	259.9	226.7	209.0	200.2	196.0	195.6	191.8
70°	294.1	329.1	312.4	262.9	222.4	196.3	181.0	173.3	170.7	170.3	168.2
72.5°	253.8	278.2	265.0	223.6	192.3	168.7	157.4	149.4	146.5	147.1	145.6
75°	187.8	206.2	198.4	169.9	144.7	129.3	119.9	114.8	112.3	113.6	111.9
77.5°	135.1	146.8	139.8	120.0	104.5	93.4	86.5	83.3	81.0	81.0	80.1
80°	102.0	108.8	105.0	93.0	80.2	70.8	65.3	63.2	61.9	61.5	61.1
82.5°	72.6	78.4	73.9	65.7	57.0	51.4	48.3	45.4	44.5	44.8	44.3
85°	36.7	38.8	37.1	32.0	28.6	26.0	24.3	23.1	22.2	22.6	21.8
87.5°	14.3	14.4	13.1	11.5	10.6	9.4	9.2	8.3	7.8	8.0	7.9
90°	8.5	7.1	5.8	4.6	3.6	2.5	1.5	0.5	1.5	2.5	3.6
92.5°	16.3	15.6	14.8	14.1	13.4	12.6	12.0	11.3	12.0	12.6	13.4
95°	32.8	32.0	31.1	30.3	29.6	28.9	28.1	27.5	28.1	28.9	29.6
97.5°	52.7	52.0	51.4	50.9	50.4	49.8	49.2	48.8	49.2	49.8	50.4
100°	67.3	66.8	66.3	65.7	65.1	64.5	63.8	63.3	63.8	64.5	65.1
102.5°	83.4	82.7	82.0	81.4	81.1	80.7	80.4	80.0	80.4	80.7	81.1
105°	107.9	107.0	106.0	105.5	105.3	105.0	104.8	104.6	104.8	105.0	105.3
107.5°	134.8	134.4	134.0	133.8	133.6	133.5	133.4	133.3	133.4	133.5	133.6
110°	152.6	152.4	152.1	152.0	151.7	151.6	151.3	151.2	151.3	151.6	151.7



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	170.4	170.4	170.3	170.2	170.1	170.0	169.8	169.7	169.8	170.0	170.1
115°	198.5	198.7	198.9	198.9	198.6	198.3	198.0	197.6	198.0	198.3	198.6
117.5°	226.0	226.2	226.5	226.6	226.3	226.2	225.9	225.8	225.9	226.2	226.3
120°	244.8	245.2	245.7	245.7	245.1	244.4	243.9	243.2	243.9	244.4	245.1
122.5°	262.9	263.1	263.3	263.3	262.8	262.4	261.9	261.5	261.9	262.4	262.8
125°	290.2	290.3	290.6	290.5	290.2	289.8	289.6	289.3	289.6	289.8	290.2
127.5°	317.3	317.6	317.8	317.6	316.9	316.3	315.6	315.0	315.6	316.3	316.9
130°	335.0	335.3	335.6	335.3	334.5	333.7	332.9	332.1	332.9	333.7	334.5
132.5°	352.3	352.5	352.8	352.5	351.6	350.8	350.0	349.1	350.0	350.8	351.6
135°	377.8	377.9	378.1	377.7	377.2	376.5	375.9	375.3	375.9	376.5	377.2
137.5°	402.4	402.2	401.9	401.5	401.0	400.5	400.0	399.5	400.0	400.5	401.0
140°	418.8	418.7	418.6	418.2	417.8	417.3	416.7	416.2	416.7	417.3	417.8
142.5°	434.2	434.1	433.9	433.5	433.0	432.5	431.9	431.5	431.9	432.5	433.0
145°	457.0	456.6	456.3	456.1	455.9	455.7	455.5	455.3	455.5	455.7	455.9
147.5°	478.5	478.3	477.9	477.6	477.2	476.9	476.5	476.1	476.5	476.9	477.2
150°	492.0	491.9	491.6	491.5	491.2	491.1	490.8	490.6	490.8	491.1	491.2
152.5°	504.1	504.0	503.9	503.7	503.4	503.1	502.8	502.6	502.8	503.1	503.4
155°	521.5	521.5	521.4	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3
157.5°	537.0	536.9	536.8	536.8	537.0	537.0	537.2	537.3	537.2	537.0	537.0
160°	546.4	546.4	546.4	546.5	546.7	546.9	547.1	547.3	547.1	546.9	546.7
162.5°	555.2	555.1	555.1	555.1	555.4	555.7	556.0	556.3	556.0	555.7	555.4
165°	566.4	566.4	566.4	566.6	566.9	567.2	567.5	567.8	567.5	567.2	566.9
167.5°	575.4	575.3	575.2	575.4	575.8	576.2	576.6	577.0	576.6	576.2	575.8
170°	580.3	580.3	580.3	580.6	581.0	581.4	581.8	582.2	581.8	581.4	581.0
172.5°	584.5	584.5	584.5	584.7	585.1	585.5	585.9	586.3	585.9	585.5	585.1
175°	588.7	588.7	588.7	589.0	589.4	589.8	590.2	590.6	590.2	589.8	589.4
177.5°	590.8	590.8	590.8	591.0	591.3	591.7	592.1	592.4	592.1	591.7	591.3
180°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	866.3	863.9	860.5	855.3	851.3	844.7	844.7	845.8	845.8	845.5	844.7
5°	840.0	833.6	825.9	816.9	807.6	798.2	796.5	793.0	790.5	788.8	786.6
7.5°	812.3	800.9	789.7	777.1	765.7	756.3	749.7	744.2	740.7	736.9	734.3
10°	793.4	779.3	766.1	752.9	738.4	726.9	719.7	714.5	710.7	707.3	705.6
12.5°	771.3	755.1	740.5	728.0	712.1	700.3	693.3	691.0	686.4	679.2	675.5
15°	738.8	723.9	706.4	687.2	679.5	665.0	656.9	653.1	650.4	644.9	643.2
17.5°	711.1	691.5	671.9	657.5	643.3	631.5	627.0	622.2	618.8	614.2	612.9
20°	688.9	671.4	653.5	638.1	623.1	610.3	606.5	603.1	599.7	597.5	595.8
22.5°	666.3	648.9	634.0	619.6	603.7	595.3	591.2	587.4	585.0	583.6	581.9
25°	634.7	619.3	602.7	589.9	577.1	571.5	568.9	566.8	565.1	563.0	562.6
27.5°	606.3	589.6	576.1	564.2	555.0	550.3	547.9	546.8	547.2	548.0	548.5
30°	585.1	569.8	558.7	548.5	540.0	535.7	535.2	535.2	537.0	537.4	538.3
32.5°	565.7	553.1	542.0	532.1	525.6	522.7	524.3	524.3	525.7	526.8	528.3
35°	537.4	526.3	517.7	509.2	503.7	504.9	505.8	506.6	508.7	511.4	513.1
37.5°	510.3	500.7	491.8	485.1	482.6	484.9	486.9	488.7	491.2	493.2	494.9
40°	490.8	483.6	475.1	469.0	469.9	471.2	473.0	475.1	477.2	478.5	480.2
42.5°	472.7	465.1	458.7	453.7	454.9	456.6	457.5	458.7	461.1	463.4	464.5
45°	445.2	439.2	433.3	430.2	431.1	431.9	432.8	434.1	436.2	437.9	438.4
47.5°	414.2	410.0	406.0	403.1	404.5	404.1	405.2	408.0	408.6	409.7	412.1
50°	394.4	390.5	385.9	385.0	385.0	385.0	385.4	388.8	388.8	390.5	392.2
52.5°	372.5	370.1	367.0	365.5	364.8	364.8	366.6	368.4	369.0	371.5	373.2
55°	340.1	337.6	335.1	333.8	332.9	333.8	337.2	338.0	340.1	341.4	342.8
57.5°	306.5	304.5	302.5	301.7	301.6	302.7	304.6	307.1	307.7	311.6	313.6
60°	284.3	281.3	279.6	279.6	278.8	282.6	281.7	286.0	286.8	289.3	292.4
62.5°	261.4	257.4	256.7	256.7	257.9	259.0	260.2	262.0	264.3	267.5	269.9
65°	224.5	222.4	225.3	224.9	224.0	226.7	226.7	228.8	231.3	234.3	239.0
67.5°	189.6	188.5	188.7	188.7	190.0	191.5	192.7	194.5	197.6	200.8	203.8
70°	166.0	167.3	165.2	166.9	168.2	168.6	169.4	172.0	175.5	177.6	181.0
72.5°	143.2	143.1	143.3	144.0	145.3	146.0	146.9	149.9	153.6	155.4	158.1
75°	110.1	109.7	111.0	111.0	113.1	114.0	114.8	116.1	119.5	122.1	124.2
77.5°	80.4	81.0	80.6	82.1	81.5	81.7	84.3	85.6	85.9	91.0	92.1
80°	60.6	61.5	61.9	62.3	62.8	61.9	64.9	66.1	66.1	69.1	71.3
82.5°	43.5	44.0	45.2	45.6	45.7	46.6	46.8	47.7	48.8	50.1	52.8
85°	21.8	23.1	23.5	23.1	23.5	22.6	23.9	24.3	24.8	24.8	24.8
87.5°	7.7	8.3	8.2	8.9	8.8	9.4	9.5	8.9	9.0	10.1	8.8
90°	4.6	5.8	7.1	8.5	9.8	11.2	11.6	12.0	12.4	12.8	13.1
92.5°	14.1	14.8	15.6	16.3	17.1	17.9	18.2	18.5	18.8	19.2	19.3
95°	30.3	31.1	32.0	32.8	33.6	34.4	34.8	35.2	35.6	36.0	36.3
97.5°	50.9	51.4	52.0	52.7	53.2	53.9	54.3	54.8	55.3	55.8	55.9
100°	65.7	66.3	66.8	67.3	67.8	68.3	68.6	69.0	69.3	69.6	69.9
102.5°	81.4	82.0	82.7	83.4	84.1	84.7	85.0	85.4	85.7	85.9	86.1
105°	105.5	106.0	107.0	107.9	108.8	109.7	109.7	109.7	109.7	109.7	109.8
107.5°	133.8	134.0	134.4	134.8	135.2	135.5	135.8	136.2	136.5	136.8	137.0
110°	152.0	152.1	152.4	152.6	152.8	153.0	153.4	153.8	154.3	154.7	154.7



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	170.2	170.3	170.4	170.4	170.5	170.5	171.0	171.5	171.9	172.4	172.7
115°	198.9	198.9	198.7	198.5	198.3	198.1	198.2	198.3	198.4	198.5	198.5
117.5°	226.6	226.5	226.2	226.0	225.8	225.4	225.4	225.4	225.3	225.3	225.2
120°	245.7	245.7	245.2	244.8	244.2	243.7	243.6	243.4	243.4	243.3	243.1
122.5°	263.3	263.3	263.1	262.9	262.5	262.3	262.0	261.7	261.5	261.2	260.9
125°	290.5	290.6	290.3	290.2	289.9	289.8	289.3	288.9	288.5	288.0	287.6
127.5°	317.6	317.8	317.6	317.3	317.1	316.9	316.3	315.7	315.1	314.5	314.1
130°	335.3	335.6	335.3	335.0	334.7	334.4	333.9	333.5	333.1	332.7	332.2
132.5°	352.5	352.8	352.5	352.3	352.0	351.9	351.3	350.8	350.3	349.8	349.4
135°	377.7	378.1	377.9	377.8	377.7	377.6	377.2	376.7	376.3	375.9	375.6
137.5°	401.5	401.9	402.2	402.4	402.8	403.0	402.6	402.1	401.7	401.3	400.9
140°	418.2	418.6	418.7	418.8	418.9	419.0	418.9	418.8	418.7	418.6	418.2
142.5°	433.5	433.9	434.1	434.2	434.5	434.6	434.6	434.4	434.3	434.2	433.9
145°	456.1	456.3	456.6	457.0	457.3	457.6	457.5	457.4	457.3	457.2	456.9
147.5°	477.6	477.9	478.3	478.5	478.8	479.1	479.1	479.1	479.1	479.1	478.7
150°	491.5	491.6	491.9	492.0	492.3	492.4	492.4	492.4	492.4	492.4	492.2
152.5°	503.7	503.9	504.0	504.1	504.3	504.3	504.5	504.8	504.9	505.1	504.8
155°	521.3	521.4	521.5	521.5	521.7	521.8	522.2	522.6	523.0	523.4	523.3
157.5°	536.8	536.8	536.9	537.0	537.0	537.1	537.5	538.0	538.4	538.8	538.7
160°	546.5	546.4	546.4	546.4	546.4	546.4	546.9	547.5	548.0	548.5	548.5
162.5°	555.1	555.1	555.1	555.2	555.3	555.4	555.9	556.4	556.9	557.4	557.3
165°	566.6	566.4	566.4	566.4	566.4	566.4	567.0	567.7	568.3	568.9	568.8
167.5°	575.4	575.2	575.3	575.4	575.4	575.5	576.2	576.8	577.5	578.1	578.1
170°	580.6	580.3	580.3	580.3	580.3	580.3	581.1	581.8	582.5	583.3	583.3
172.5°	584.7	584.5	584.5	584.5	584.5	584.5	585.1	585.7	586.4	587.0	587.0
175°	589.0	588.7	588.7	588.7	588.7	588.7	589.4	590.0	590.6	591.3	591.2
177.5°	591.0	590.8	590.8	590.8	590.8	590.8	591.3	591.9	592.4	592.9	592.8
180°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	842.4	842.0	844.4	842.7	844.4	842.0	842.4	844.7	845.5	845.8	845.8
5°	784.1	785.4	781.1	781.1	781.1	785.4	784.1	786.6	788.8	790.5	793.0
7.5°	732.1	730.3	730.4	728.1	730.4	730.3	732.1	734.3	736.9	740.7	744.2
10°	700.4	697.9	697.0	697.4	697.0	697.9	700.4	705.6	707.3	710.7	714.5
12.5°	674.1	673.6	668.0	668.1	668.0	673.6	674.1	675.5	679.2	686.4	691.0
15°	643.2	635.1	634.2	636.8	634.2	635.1	643.2	643.2	644.9	650.4	653.1
17.5°	612.2	608.0	608.2	606.9	608.2	608.0	612.2	612.9	614.2	618.8	622.2
20°	595.8	593.3	592.9	589.9	592.9	593.3	595.8	595.8	597.5	599.7	603.1
22.5°	580.8	580.0	580.2	576.9	580.2	580.0	580.8	581.9	583.6	585.0	587.4
25°	562.1	564.3	562.6	562.6	562.6	564.3	562.1	562.6	563.0	565.1	566.8
27.5°	549.5	549.4	548.5	548.5	548.5	549.4	549.5	548.5	548.0	547.2	546.8
30°	540.0	539.5	540.4	540.4	540.4	539.5	540.0	538.3	537.4	537.0	535.2
32.5°	530.4	531.0	531.2	531.5	531.2	531.0	530.4	528.3	526.8	525.7	524.3
35°	515.6	516.0	517.3	516.5	517.3	516.0	515.6	513.1	511.4	508.7	506.6
37.5°	495.6	497.6	497.2	497.8	497.2	497.6	495.6	494.9	493.2	491.2	488.7
40°	480.6	481.9	481.4	481.4	481.4	481.9	480.6	480.2	478.5	477.2	475.1
42.5°	465.2	466.2	465.0	464.4	465.0	466.2	465.2	464.5	463.4	461.1	458.7
45°	440.0	439.2	440.5	438.8	440.5	439.2	440.0	438.4	437.9	436.2	434.1
47.5°	411.9	412.7	413.1	414.3	413.1	412.7	411.9	412.1	409.7	408.6	408.0
50°	393.1	395.7	395.7	395.3	395.7	395.7	393.1	392.2	390.5	388.8	388.8
52.5°	374.6	375.9	377.6	377.5	377.6	375.9	374.6	373.2	371.5	369.0	368.4
55°	346.2	347.0	347.9	348.3	347.9	347.0	346.2	342.8	341.4	340.1	338.0
57.5°	316.6	316.3	318.3	318.9	318.3	316.3	316.6	313.6	311.6	307.7	307.1
60°	295.8	295.8	299.2	300.5	299.2	295.8	295.8	292.4	289.3	286.8	286.0
62.5°	273.6	275.0	278.3	276.5	278.3	275.0	273.6	269.9	267.5	264.3	262.0
65°	241.2	244.6	244.2	245.8	244.2	244.6	241.2	239.0	234.3	231.3	228.8
67.5°	207.2	209.4	212.5	212.7	212.5	209.4	207.2	203.8	200.8	197.6	194.5
70°	184.4	186.5	188.3	189.5	188.3	186.5	184.4	181.0	177.6	175.5	172.0
72.5°	162.2	163.3	167.4	165.6	167.4	163.3	162.2	158.1	155.4	153.6	149.9
75°	127.2	130.2	132.7	131.4	132.7	130.2	127.2	124.2	122.1	119.5	116.1
77.5°	94.1	97.0	98.2	97.2	98.2	97.0	94.1	92.1	91.0	85.9	85.6
80°	74.3	73.9	76.4	76.0	76.4	73.9	74.3	71.3	69.1	66.1	66.1
82.5°	54.5	54.1	55.2	55.5	55.2	54.1	54.5	52.8	50.1	48.8	47.7
85°	26.5	27.7	26.0	25.6	26.0	27.7	26.5	24.8	24.8	24.8	24.3
87.5°	8.8	8.9	8.6	8.2	8.6	8.9	8.8	8.8	10.1	9.0	8.9
90°	13.4	13.5	13.8	13.9	13.8	13.5	13.4	13.1	12.8	12.4	12.0
92.5°	19.2	19.0	18.9	18.8	18.9	19.0	19.2	19.3	19.2	18.8	18.5
95°	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.0	35.6	35.2
97.5°	55.9	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.8	55.3	54.8
100°	70.0	70.3	70.4	70.7	70.4	70.3	70.0	69.9	69.6	69.3	69.0
102.5°	86.1	86.0	86.0	85.9	86.0	86.0	86.1	86.1	85.9	85.7	85.4
105°	110.1	110.2	110.5	110.7	110.5	110.2	110.1	109.8	109.7	109.7	109.7
107.5°	136.8	136.7	136.6	136.5	136.6	136.7	136.8	137.0	136.8	136.5	136.2
110°	154.6	154.3	154.2	153.9	154.2	154.3	154.6	154.7	154.7	154.3	153.8



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	172.7	172.6	172.6	172.5	172.6	172.6	172.7	172.7	172.4	171.9	171.5
115°	198.4	198.3	198.2	198.1	198.2	198.3	198.4	198.5	198.5	198.4	198.3
117.5°	224.9	224.6	224.4	224.0	224.4	224.6	224.9	225.2	225.3	225.3	225.4
120°	242.9	242.7	242.5	242.3	242.5	242.7	242.9	243.1	243.3	243.4	243.4
122.5°	260.7	260.3	260.1	259.8	260.1	260.3	260.7	260.9	261.2	261.5	261.7
125°	287.2	286.8	286.4	286.0	286.4	286.8	287.2	287.6	288.0	288.5	288.9
127.5°	313.6	313.1	312.6	312.1	312.6	313.1	313.6	314.1	314.5	315.1	315.7
130°	331.4	330.7	330.0	329.2	330.0	330.7	331.4	332.2	332.7	333.1	333.5
132.5°	348.8	348.2	347.6	347.1	347.6	348.2	348.8	349.4	349.8	350.3	350.8
135°	375.4	375.2	375.0	374.8	375.0	375.2	375.4	375.6	375.9	376.3	376.7
137.5°	400.5	400.1	399.7	399.3	399.7	400.1	400.5	400.9	401.3	401.7	402.1
140°	417.4	416.7	416.0	415.3	416.0	416.7	417.4	418.2	418.6	418.7	418.8
142.5°	433.3	432.8	432.2	431.6	432.2	432.8	433.3	433.9	434.2	434.3	434.4
145°	456.5	456.1	455.7	455.3	455.7	456.1	456.5	456.9	457.2	457.3	457.4
147.5°	478.2	477.5	477.0	476.3	477.0	477.5	478.2	478.7	479.1	479.1	479.1
150°	491.5	490.9	490.3	489.7	490.3	490.9	491.5	492.2	492.4	492.4	492.4
152.5°	504.3	503.8	503.3	502.7	503.3	503.8	504.3	504.8	505.1	504.9	504.8
155°	522.5	521.8	521.1	520.4	521.1	521.8	522.5	523.3	523.4	523.0	522.6
157.5°	538.2	537.6	537.0	536.5	537.0	537.6	538.2	538.7	538.8	538.4	538.0
160°	548.1	547.7	547.3	546.9	547.3	547.7	548.1	548.5	548.5	548.0	547.5
162.5°	556.7	556.0	555.4	554.7	555.4	556.0	556.7	557.3	557.4	556.9	556.4
165°	568.1	567.4	566.7	566.0	566.7	567.4	568.1	568.8	568.9	568.3	567.7
167.5°	577.5	576.8	576.2	575.5	576.2	576.8	577.5	578.1	578.1	577.5	576.8
170°	582.5	581.8	581.1	580.3	581.1	581.8	582.5	583.3	583.3	582.5	581.8
172.5°	586.3	585.5	584.8	584.1	584.8	585.5	586.3	587.0	587.0	586.4	585.7
175°	590.4	589.7	589.0	588.2	589.0	589.7	590.4	591.2	591.3	590.6	590.0
177.5°	592.2	591.7	591.1	590.5	591.1	591.7	592.2	592.8	592.9	592.4	591.9
180°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	844.7	844.7	851.3	855.3	860.5	863.9	866.3	868.7	872.8	878.2	884.4
5°	796.5	798.2	807.6	816.9	825.9	833.6	840.0	847.7	857.0	868.6	881.4
7.5°	749.7	756.3	765.7	777.1	789.7	800.9	812.3	824.9	838.1	855.1	873.0
10°	719.7	726.9	738.4	752.9	766.1	779.3	793.4	807.1	823.8	843.8	866.9
12.5°	693.3	700.3	712.1	728.0	740.5	755.1	771.3	789.0	807.7	831.8	858.0
15°	656.9	665.0	679.5	687.2	706.4	723.9	738.8	764.4	788.3	813.1	843.4
17.5°	627.0	631.5	643.3	657.5	671.9	691.5	711.1	732.5	756.3	786.5	824.4
20°	606.5	610.3	623.1	638.1	653.5	671.4	688.9	710.2	737.1	769.2	810.1
22.5°	591.2	595.3	603.7	619.6	634.0	648.9	666.3	691.8	720.4	751.7	796.1
25°	568.9	571.5	577.1	589.9	602.7	619.3	634.7	658.6	688.0	724.7	769.2
27.5°	547.9	550.3	555.0	564.2	576.1	589.6	606.3	626.6	656.6	696.4	743.6
30°	535.2	535.7	540.0	548.5	558.7	569.8	585.1	608.2	636.4	676.9	726.4
32.5°	524.3	522.7	525.6	532.1	542.0	553.1	565.7	588.4	615.6	655.4	706.3
35°	505.8	504.9	503.7	509.2	517.7	526.3	537.4	554.5	585.1	622.3	675.6
37.5°	486.9	484.9	482.6	485.1	491.8	500.7	510.3	525.5	552.0	592.9	643.9
40°	473.0	471.2	469.9	469.0	475.1	483.6	490.8	505.3	530.1	568.9	619.3
42.5°	457.5	456.6	454.9	453.7	458.7	465.1	472.7	485.6	510.3	546.7	594.4
45°	432.8	431.9	431.1	430.2	433.3	439.2	445.2	454.5	475.9	511.4	554.5
47.5°	405.2	404.1	404.5	403.1	406.0	410.0	414.2	424.3	444.7	473.4	504.8
50°	385.4	385.0	385.0	385.0	385.9	390.5	394.4	402.1	420.9	449.5	472.1
52.5°	366.6	364.8	364.8	365.5	367.0	370.1	372.5	380.9	397.3	420.8	441.3
55°	337.2	333.8	332.9	333.8	335.1	337.6	340.1	347.0	361.1	378.6	390.5
57.5°	304.6	302.7	301.6	301.7	302.5	304.5	306.5	313.9	325.0	334.1	341.8
60°	281.7	282.6	278.8	279.6	279.6	281.3	284.3	288.9	298.3	304.8	312.4
62.5°	260.2	259.0	257.9	256.7	256.7	257.4	261.4	265.1	273.0	276.4	282.4
65°	226.7	226.7	224.0	224.9	225.3	222.4	224.5	228.8	233.9	235.2	240.8
67.5°	192.7	191.5	190.0	188.7	188.7	188.5	189.6	191.8	195.6	196.0	200.2
70°	169.4	168.6	168.2	166.9	165.2	167.3	166.0	168.2	170.3	170.7	173.3
72.5°	146.9	146.0	145.3	144.0	143.3	143.1	143.2	145.6	147.1	146.5	149.4
75°	114.8	114.0	113.1	111.0	111.0	109.7	110.1	111.9	113.6	112.3	114.8
77.5°	84.3	81.7	81.5	82.1	80.6	81.0	80.4	80.1	81.0	81.0	83.3
80°	64.9	61.9	62.8	62.3	61.9	61.5	60.6	61.1	61.5	61.9	63.2
82.5°	46.8	46.6	45.7	45.6	45.2	44.0	43.5	44.3	44.8	44.5	45.4
85°	23.9	22.6	23.5	23.1	23.5	23.1	21.8	21.8	22.6	22.2	23.1
87.5°	9.5	9.4	8.8	8.9	8.2	8.3	7.7	7.9	8.0	7.8	8.3
90°	11.6	11.2	9.8	8.5	7.1	5.8	4.6	3.6	2.5	1.5	0.5
92.5°	18.2	17.9	17.1	16.3	15.6	14.8	14.1	13.4	12.6	12.0	11.3
95°	34.8	34.4	33.6	32.8	32.0	31.1	30.3	29.6	28.9	28.1	27.5
97.5°	54.3	53.9	53.2	52.7	52.0	51.4	50.9	50.4	49.8	49.2	48.8
100°	68.6	68.3	67.8	67.3	66.8	66.3	65.7	65.1	64.5	63.8	63.3
102.5°	85.0	84.7	84.1	83.4	82.7	82.0	81.4	81.1	80.7	80.4	80.0
105°	109.7	109.7	108.8	107.9	107.0	106.0	105.5	105.3	105.0	104.8	104.6
107.5°	135.8	135.5	135.2	134.8	134.4	134.0	133.8	133.6	133.5	133.4	133.3
110°	153.4	153.0	152.8	152.6	152.4	152.1	152.0	151.7	151.6	151.3	151.2



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	171.0	170.5	170.5	170.4	170.4	170.3	170.2	170.1	170.0	169.8	169.7
115°	198.2	198.1	198.3	198.5	198.7	198.9	198.9	198.6	198.3	198.0	197.6
117.5°	225.4	225.4	225.8	226.0	226.2	226.5	226.6	226.3	226.2	225.9	225.8
120°	243.6	243.7	244.2	244.8	245.2	245.7	245.7	245.1	244.4	243.9	243.2
122.5°	262.0	262.3	262.5	262.9	263.1	263.3	263.3	262.8	262.4	261.9	261.5
125°	289.3	289.8	289.9	290.2	290.3	290.6	290.5	290.2	289.8	289.6	289.3
127.5°	316.3	316.9	317.1	317.3	317.6	317.8	317.6	316.9	316.3	315.6	315.0
130°	333.9	334.4	334.7	335.0	335.3	335.6	335.3	334.5	333.7	332.9	332.1
132.5°	351.3	351.9	352.0	352.3	352.5	352.8	352.5	351.6	350.8	350.0	349.1
135°	377.2	377.6	377.7	377.8	377.9	378.1	377.7	377.2	376.5	375.9	375.3
137.5°	402.6	403.0	402.8	402.4	402.2	401.9	401.5	401.0	400.5	400.0	399.5
140°	418.9	419.0	418.9	418.8	418.7	418.6	418.2	417.8	417.3	416.7	416.2
142.5°	434.6	434.6	434.5	434.2	434.1	433.9	433.5	433.0	432.5	431.9	431.5
145°	457.5	457.6	457.3	457.0	456.6	456.3	456.1	455.9	455.7	455.5	455.3
147.5°	479.1	479.1	478.8	478.5	478.3	477.9	477.6	477.2	476.9	476.5	476.1
150°	492.4	492.4	492.3	492.0	491.9	491.6	491.5	491.2	491.1	490.8	490.6
152.5°	504.5	504.3	504.3	504.1	504.0	503.9	503.7	503.4	503.1	502.8	502.6
155°	522.2	521.8	521.7	521.5	521.5	521.4	521.3	521.3	521.3	521.3	521.3
157.5°	537.5	537.1	537.0	537.0	536.9	536.8	536.8	537.0	537.0	537.2	537.3
160°	546.9	546.4	546.4	546.4	546.4	546.4	546.5	546.7	546.9	547.1	547.3
162.5°	555.9	555.4	555.3	555.2	555.1	555.1	555.1	555.4	555.7	556.0	556.3
165°	567.0	566.4	566.4	566.4	566.4	566.4	566.6	566.9	567.2	567.5	567.8
167.5°	576.2	575.5	575.4	575.4	575.3	575.2	575.4	575.8	576.2	576.6	577.0
170°	581.1	580.3	580.3	580.3	580.3	580.3	580.6	581.0	581.4	581.8	582.2
172.5°	585.1	584.5	584.5	584.5	584.5	584.5	584.7	585.1	585.5	585.9	586.3
175°	589.4	588.7	588.7	588.7	588.7	588.7	589.0	589.4	589.8	590.2	590.6
177.5°	591.3	590.8	590.8	590.8	590.8	590.8	591.0	591.3	591.7	592.1	592.4
180°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	886.4	888.1	894.0	898.1	902.8	905.6	908.2	910.4	913.1	913.7	923.7
5°	890.4	898.9	913.9	925.0	938.6	953.5	963.8	968.5	980.8	991.1	1011.5
7.5°	889.2	907.4	929.9	953.3	978.4	1001.7	1021.8	1045.7	1062.7	1088.3	1113.4
10°	888.2	912.6	941.6	971.4	1006.5	1038.9	1067.9	1100.3	1127.2	1162.7	1192.9
12.5°	885.2	914.6	954.9	990.3	1032.7	1077.5	1120.5	1162.1	1185.9	1245.0	1272.8
15°	877.6	912.6	963.0	1016.7	1075.1	1128.1	1182.8	1226.3	1296.7	1348.3	1381.2
17.5°	863.1	912.1	971.8	1036.7	1107.7	1177.5	1239.4	1305.5	1380.1	1442.7	1509.3
20°	856.2	910.0	976.6	1048.3	1122.1	1201.1	1271.5	1350.9	1432.4	1493.9	1579.2
22.5°	843.6	904.5	976.2	1056.1	1135.1	1216.8	1299.2	1379.2	1473.4	1558.1	1639.3
25°	822.9	891.2	965.5	1054.7	1147.3	1229.2	1327.9	1434.1	1532.3	1641.1	1722.2
27.5°	801.2	874.2	948.6	1031.5	1131.1	1228.4	1352.4	1472.5	1592.6	1686.5	1746.5
30°	784.5	855.3	932.2	1015.9	1114.4	1230.1	1368.8	1499.8	1616.8	1697.5	1731.2
32.5°	766.4	838.3	906.2	994.0	1099.1	1229.1	1379.1	1515.9	1618.2	1671.9	1665.3
35°	738.0	798.2	864.3	948.8	1072.6	1221.6	1385.0	1517.4	1580.1	1568.6	1481.5
37.5°	697.0	747.6	812.8	905.3	1041.9	1205.7	1373.1	1472.3	1468.3	1374.4	1248.3
40°	671.4	714.5	777.2	874.6	1018.0	1195.6	1354.3	1418.8	1364.2	1233.1	1082.0
42.5°	638.0	677.6	740.4	840.4	991.6	1174.7	1318.4	1337.2	1230.3	1079.5	940.9
45°	586.0	621.0	685.9	789.2	952.3	1129.4	1230.9	1185.3	1041.5	885.7	780.2
47.5°	530.3	566.6	629.1	735.2	895.2	1061.2	1109.5	1012.4	864.7	738.4	641.6
50°	495.1	530.1	591.2	698.3	856.6	1005.2	1025.2	899.8	764.0	653.1	573.6
52.5°	459.6	492.5	552.5	660.1	811.5	940.3	927.9	800.1	675.2	580.7	518.4
55°	406.8	437.9	495.1	595.8	733.7	835.7	790.9	668.9	565.6	492.1	444.7
57.5°	359.5	389.4	438.7	529.7	649.5	719.7	662.6	559.7	477.6	421.1	385.8
60°	327.3	353.8	400.8	485.3	589.5	642.8	586.4	495.5	426.4	381.2	349.6
62.5°	297.0	320.0	363.5	440.3	530.7	575.5	518.5	441.6	382.7	342.6	315.8
65°	250.9	271.9	310.3	370.1	444.3	474.2	425.1	362.8	317.2	287.2	269.3
67.5°	209.0	226.7	259.9	307.0	361.6	383.4	346.0	297.7	263.3	239.4	225.1
70°	181.0	196.3	222.4	262.9	312.4	329.1	294.1	254.4	229.2	210.0	196.7
72.5°	157.4	168.7	192.3	223.6	265.0	278.2	253.8	218.9	195.4	181.0	170.5
75°	119.9	129.3	144.7	169.9	198.4	206.2	187.8	166.0	150.3	140.0	131.9
77.5°	86.5	93.4	104.5	120.0	139.8	146.8	135.1	120.6	109.1	102.2	97.7
80°	65.3	70.8	80.2	93.0	105.0	108.8	102.0	90.9	82.8	79.0	75.1
82.5°	48.3	51.4	57.0	65.7	73.9	78.4	72.6	66.0	61.6	58.1	56.7
85°	24.3	26.0	28.6	32.0	37.1	38.8	36.7	35.0	32.4	30.3	30.3
87.5°	9.2	9.4	10.6	11.5	13.1	14.4	14.3	13.9	13.9	13.6	13.3
90°	1.5	2.5	3.6	4.6	5.8	7.1	8.5	9.8	11.2	11.6	12.0
92.5°	12.0	12.6	13.4	14.1	14.8	15.6	16.3	17.1	17.9	18.2	18.5
95°	28.1	28.9	29.6	30.3	31.1	32.0	32.8	33.6	34.4	34.8	35.2
97.5°	49.2	49.8	50.4	50.9	51.4	52.0	52.7	53.2	53.9	54.3	54.8
100°	63.8	64.5	65.1	65.7	66.3	66.8	67.3	67.8	68.3	68.6	69.0
102.5°	80.4	80.7	81.1	81.4	82.0	82.7	83.4	84.1	84.7	85.0	85.4
105°	104.8	105.0	105.3	105.5	106.0	107.0	107.9	108.8	109.7	109.7	109.7
107.5°	133.4	133.5	133.6	133.8	134.0	134.4	134.8	135.2	135.5	135.8	136.2
110°	151.3	151.6	151.7	152.0	152.1	152.4	152.6	152.8	153.0	153.4	153.8



TEST NUMBER: P331965-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	169.8	170.0	170.1	170.2	170.3	170.4	170.4	170.5	170.5	171.0	171.5
115°	198.0	198.3	198.6	198.9	198.9	198.7	198.5	198.3	198.1	198.2	198.3
117.5°	225.9	226.2	226.3	226.6	226.5	226.2	226.0	225.8	225.4	225.4	225.4
120°	243.9	244.4	245.1	245.7	245.7	245.2	244.8	244.2	243.7	243.6	243.4
122.5°	261.9	262.4	262.8	263.3	263.3	263.1	262.9	262.5	262.3	262.0	261.7
125°	289.6	289.8	290.2	290.5	290.6	290.3	290.2	289.9	289.8	289.3	288.9
127.5°	315.6	316.3	316.9	317.6	317.8	317.6	317.3	317.1	316.9	316.3	315.7
130°	332.9	333.7	334.5	335.3	335.6	335.3	335.0	334.7	334.4	333.9	333.5
132.5°	350.0	350.8	351.6	352.5	352.8	352.5	352.3	352.0	351.9	351.3	350.8
135°	375.9	376.5	377.2	377.7	378.1	377.9	377.8	377.7	377.6	377.2	376.7
137.5°	400.0	400.5	401.0	401.5	401.9	402.2	402.4	402.8	403.0	402.6	402.1
140°	416.7	417.3	417.8	418.2	418.6	418.7	418.8	418.9	419.0	418.9	418.8
142.5°	431.9	432.5	433.0	433.5	433.9	434.1	434.2	434.5	434.6	434.6	434.4
145°	455.5	455.7	455.9	456.1	456.3	456.6	457.0	457.3	457.6	457.5	457.4
147.5°	476.5	476.9	477.2	477.6	477.9	478.3	478.5	478.8	479.1	479.1	479.1
150°	490.8	491.1	491.2	491.5	491.6	491.9	492.0	492.3	492.4	492.4	492.4
152.5°	502.8	503.1	503.4	503.7	503.9	504.0	504.1	504.3	504.3	504.5	504.8
155°	521.3	521.3	521.3	521.3	521.4	521.5	521.5	521.7	521.8	522.2	522.6
157.5°	537.2	537.0	537.0	536.8	536.8	536.9	537.0	537.0	537.1	537.5	538.0
160°	547.1	546.9	546.7	546.5	546.4	546.4	546.4	546.4	546.4	546.9	547.5
162.5°	556.0	555.7	555.4	555.1	555.1	555.1	555.2	555.3	555.4	555.9	556.4
165°	567.5	567.2	566.9	566.6	566.4	566.4	566.4	566.4	566.4	567.0	567.7
167.5°	576.6	576.2	575.8	575.4	575.2	575.3	575.4	575.4	575.5	576.2	576.8
170°	581.8	581.4	581.0	580.6	580.3	580.3	580.3	580.3	580.3	581.1	581.8
172.5°	585.9	585.5	585.1	584.7	584.5	584.5	584.5	584.5	584.5	585.1	585.7
175°	590.2	589.8	589.4	589.0	588.7	588.7	588.7	588.7	588.7	589.4	590.0
177.5°	592.1	591.7	591.3	591.0	590.8	590.8	590.8	590.8	590.8	591.3	591.9
180°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	927.1	927.4	931.2	933.9	932.5	934.3	934.9
5°	1012.8	1028.3	1036.3	1042.3	1042.8	1043.2	1046.6
7.5°	1134.5	1151.0	1163.0	1181.3	1186.7	1192.9	1191.2
10°	1223.3	1247.6	1268.5	1279.6	1291.6	1309.0	1295.0
12.5°	1306.3	1349.4	1381.2	1398.5	1409.7	1413.2	1406.3
15°	1443.1	1499.4	1529.7	1528.8	1567.3	1584.0	1557.9
17.5°	1568.6	1620.6	1662.2	1683.6	1715.6	1722.6	1719.4
20°	1645.4	1702.2	1734.6	1771.3	1788.0	1802.9	1805.5
22.5°	1711.6	1762.6	1797.4	1828.0	1841.9	1849.0	1853.3
25°	1779.9	1820.0	1840.9	1851.5	1855.4	1854.6	1849.0
27.5°	1775.2	1778.2	1755.2	1732.6	1712.4	1689.5	1681.7
30°	1729.1	1693.2	1629.2	1592.9	1539.5	1497.3	1514.3
32.5°	1607.9	1536.5	1464.6	1385.3	1319.6	1301.0	1282.1
35°	1372.2	1246.8	1173.4	1087.9	1053.9	1019.7	996.2
37.5°	1110.2	1013.1	926.0	870.2	836.0	814.4	802.7
40°	959.9	872.5	800.7	755.5	729.4	705.2	701.7
42.5°	840.1	758.7	704.7	668.7	643.8	633.4	625.9
45°	688.0	631.3	595.0	569.4	552.8	546.3	537.8
47.5°	582.4	542.3	515.0	497.6	485.0	480.3	479.6
50°	523.3	490.0	469.9	456.2	446.5	444.7	437.9
52.5°	478.9	450.0	434.4	422.5	415.4	410.6	408.5
55°	415.7	396.5	382.5	375.6	370.1	365.3	365.3
57.5°	363.7	347.7	338.3	332.6	330.8	327.5	325.4
60°	331.7	318.0	310.7	305.6	302.2	302.6	298.8
62.5°	300.2	291.4	284.5	279.3	275.2	275.3	275.6
65°	255.7	248.8	243.7	242.0	239.5	236.4	237.3
67.5°	216.6	210.3	206.3	203.3	202.5	200.9	203.3
70°	188.7	183.9	181.0	178.4	177.6	178.0	180.1
72.5°	163.1	159.7	157.8	156.5	154.7	154.7	156.2
75°	128.1	125.5	123.8	122.5	122.1	122.1	122.1
77.5°	94.1	93.5	92.7	90.8	90.9	91.4	91.5
80°	74.3	73.0	72.6	71.7	70.4	69.5	71.7
82.5°	55.5	54.2	53.8	53.6	51.6	51.4	53.2
85°	29.8	28.6	29.0	28.6	28.6	28.2	28.2
87.5°	13.0	12.8	12.6	12.9	12.6	12.3	13.0
90°	12.4	12.8	13.1	13.4	13.5	13.8	13.9
92.5°	18.8	19.2	19.3	19.2	19.0	18.9	18.8
95°	35.6	36.0	36.3	36.3	36.3	36.3	36.3
97.5°	55.3	55.8	55.9	55.9	55.8	55.8	55.8
100°	69.3	69.6	69.9	70.0	70.3	70.4	70.7
102.5°	85.7	85.9	86.1	86.1	86.0	86.0	85.9
105°	109.7	109.7	109.8	110.1	110.2	110.5	110.7
107.5°	136.5	136.8	137.0	136.8	136.7	136.6	136.5
110°	154.3	154.7	154.7	154.6	154.3	154.2	153.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	171.9	172.4	172.7	172.7	172.6	172.6	172.5
115°	198.4	198.5	198.5	198.4	198.3	198.2	198.1
117.5°	225.3	225.3	225.2	224.9	224.6	224.4	224.0
120°	243.4	243.3	243.1	242.9	242.7	242.5	242.3
122.5°	261.5	261.2	260.9	260.7	260.3	260.1	259.8
125°	288.5	288.0	287.6	287.2	286.8	286.4	286.0
127.5°	315.1	314.5	314.1	313.6	313.1	312.6	312.1
130°	333.1	332.7	332.2	331.4	330.7	330.0	329.2
132.5°	350.3	349.8	349.4	348.8	348.2	347.6	347.1
135°	376.3	375.9	375.6	375.4	375.2	375.0	374.8
137.5°	401.7	401.3	400.9	400.5	400.1	399.7	399.3
140°	418.7	418.6	418.2	417.4	416.7	416.0	415.3
142.5°	434.3	434.2	433.9	433.3	432.8	432.2	431.6
145°	457.3	457.2	456.9	456.5	456.1	455.7	455.3
147.5°	479.1	479.1	478.7	478.2	477.5	477.0	476.3
150°	492.4	492.4	492.2	491.5	490.9	490.3	489.7
152.5°	504.9	505.1	504.8	504.3	503.8	503.3	502.7
155°	523.0	523.4	523.3	522.5	521.8	521.1	520.4
157.5°	538.4	538.8	538.7	538.2	537.6	537.0	536.5
160°	548.0	548.5	548.5	548.1	547.7	547.3	546.9
162.5°	556.9	557.4	557.3	556.7	556.0	555.4	554.7
165°	568.3	568.9	568.8	568.1	567.4	566.7	566.0
167.5°	577.5	578.1	578.1	577.5	576.8	576.2	575.5
170°	582.5	583.3	583.3	582.5	581.8	581.1	580.3
172.5°	586.4	587.0	587.0	586.3	585.5	584.8	584.1
175°	590.6	591.3	591.2	590.4	589.7	589.0	588.2
177.5°	592.4	592.9	592.8	592.2	591.7	591.1	590.5
180°	592.0	592.0	592.0	592.0	592.0	592.0	592.0

(END OF REPORT)