

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: P331974-930

Luminaire Tested: **S123DIP-S775D805U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331974-930
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-S775D805U930-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4909.6 lumens
Efficiency: N/A
Efficacy: 107.0 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: General Diffuse

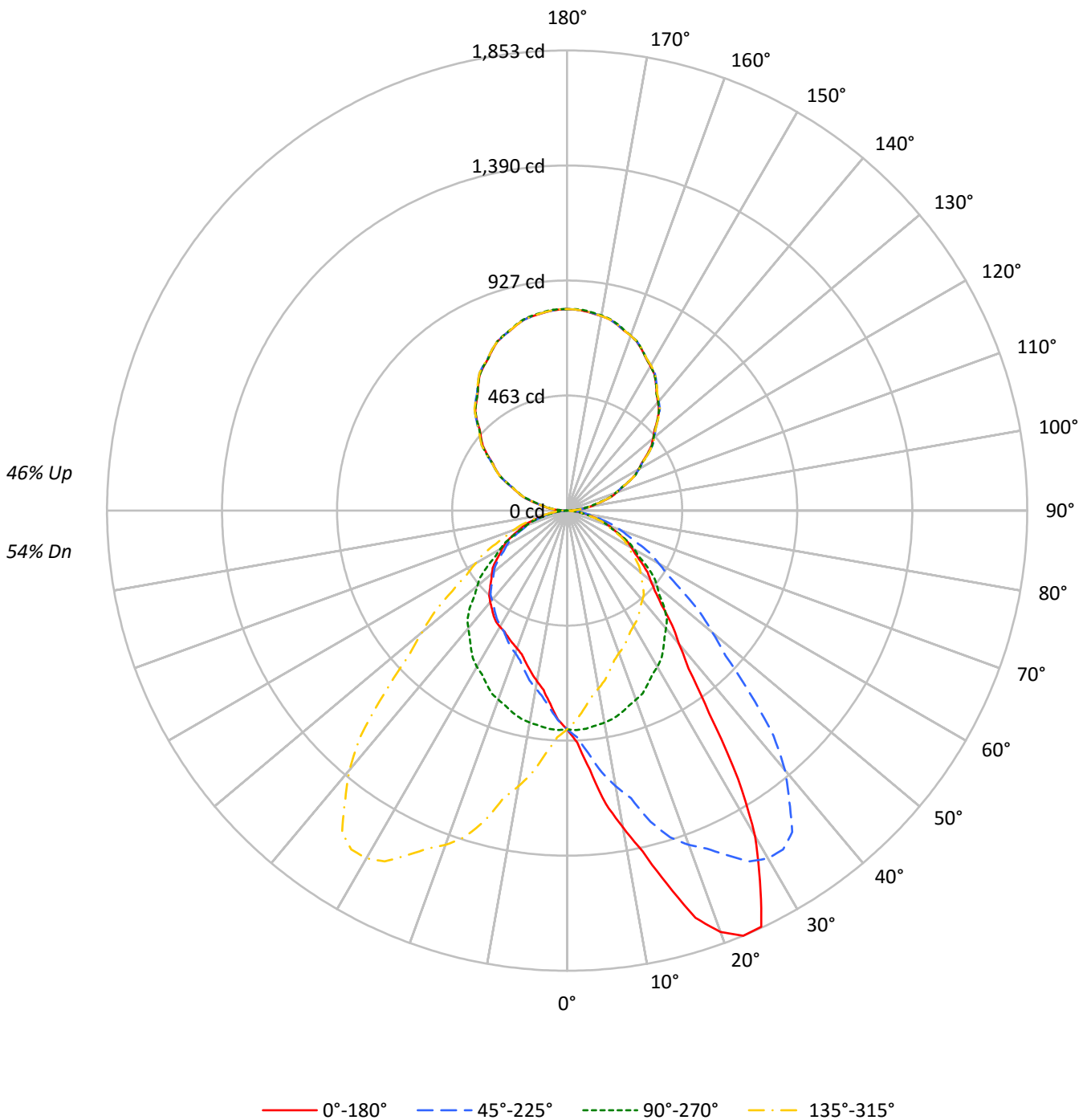
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	62	61	53	52	51	46
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	47	45	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	37	33
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	18	22	19	16	14

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	1.8
10°-20°	278.3	5.7
20°-30°	467.0	9.5
30°-40°	528.8	10.8
40°-50°	474.2	9.7
50°-60°	382.7	7.8
60°-70°	266.7	5.4
70°-80°	140.2	2.9
80°-90°	36.7	0.7
90°-100°	52.9	1.1
100°-110°	158.2	3.2
110°-120°	269.1	5.5
120°-130°	354.0	7.2
130°-140°	397.9	8.1
140°-150°	391.1	8.0
150°-160°	329.2	6.7
160°-170°	219.2	4.5
170°-180°	76.7	1.6
0°-30°	832.1	16.9
0°-40°	1360.9	27.7
0°-60°	2217.8	45.2
0°-90°	2661.3	54.2
90°-120°	480.2	9.8
90°-150°	1623.1	33.1
90°-180°	2248.0	45.8
0°-180°	4909.6	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°	19	1	19	1	19	11
95°	50	38	50	38	50	51
105°	152	143	152	143	152	161
115°	272	271	272	271	272	269
125°	392	396	392	396	392	350
135°	514	514	514	514	514	395
145°	624	624	624	624	624	390
155°	713	714	713	714	713	328
165°	776	778	776	778	776	219
175°	806	810	806	810	806	77
180°	812	812	812	812	812	



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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°	14.1	13.3	13.6	13.9	13.5	13.8	14.0	14.2	14.4	14.7	14.7
90°	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5	15.9	15.3	13.5
92.5°	25.8	25.9	26.1	26.3	26.4	26.3	25.8	25.4	24.9	24.5	23.4
95°	49.7	49.7	49.7	49.7	49.7	49.4	48.8	48.3	47.8	47.2	46.1
97.5°	76.5	76.6	76.6	76.6	76.7	76.4	75.7	75.1	74.4	73.8	73.0
100°	96.9	96.6	96.3	96.0	95.8	95.4	95.0	94.6	94.2	93.7	93.0
102.5°	117.8	117.9	117.9	118.0	118.1	117.8	117.4	117.0	116.6	116.2	115.2
105°	151.7	151.4	151.2	150.8	150.6	150.4	150.4	150.4	150.4	150.4	149.2
107.5°	187.0	187.2	187.4	187.5	187.7	187.6	187.1	186.6	186.2	185.7	185.2
110°	211.0	211.2	211.6	211.8	212.1	212.0	211.4	210.8	210.3	209.7	209.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	236.5	236.5	236.6	236.7	236.7	236.4	235.7	235.1	234.4	233.7	233.7
115°	271.6	271.7	271.8	272.0	272.1	272.1	272.0	271.8	271.7	271.6	271.8
117.5°	307.1	307.5	307.9	308.3	308.7	308.9	308.9	309.0	309.0	309.0	309.4
120°	332.1	332.4	332.6	333.0	333.2	333.5	333.6	333.7	333.9	334.0	334.8
122.5°	356.0	356.4	356.9	357.3	357.7	358.1	358.4	358.8	359.1	359.5	359.9
125°	392.0	392.6	393.1	393.7	394.3	394.8	395.4	396.0	396.6	397.1	397.4
127.5°	427.9	428.5	429.2	429.8	430.5	431.2	431.9	432.8	433.6	434.3	434.6
130°	451.3	452.3	453.3	454.3	455.3	456.1	456.6	457.2	457.7	458.3	458.8
132.5°	475.8	476.5	477.3	478.1	478.8	479.6	480.2	480.9	481.6	482.2	482.6
135°	513.8	514.0	514.4	514.6	514.9	515.4	515.9	516.5	517.1	517.6	517.7
137.5°	547.3	547.9	548.4	548.9	549.4	550.0	550.7	551.2	551.8	552.4	552.0
140°	569.2	570.2	571.2	572.2	573.2	573.7	573.9	574.1	574.2	574.3	574.2
142.5°	591.7	592.4	593.2	593.9	594.8	595.2	595.3	595.5	595.6	595.7	595.5
145°	624.0	624.6	625.2	625.7	626.3	626.6	626.8	627.0	627.1	627.2	626.8
147.5°	652.9	653.7	654.5	655.4	656.2	656.7	656.7	656.7	656.7	656.7	656.3
150°	671.2	672.1	672.9	673.8	674.7	675.1	675.1	675.1	675.1	675.1	674.7
152.5°	689.1	689.8	690.6	691.3	692.0	692.3	692.0	691.8	691.6	691.4	691.2
155°	713.3	714.3	715.3	716.2	717.2	717.5	716.9	716.3	715.8	715.2	715.1
157.5°	735.3	736.1	736.9	737.8	738.5	738.6	738.0	737.4	736.9	736.2	736.1
160°	749.6	750.2	750.7	751.3	751.9	751.8	751.1	750.4	749.7	749.0	749.0
162.5°	760.3	761.2	762.1	763.0	763.9	764.1	763.4	762.6	761.9	761.2	761.1
165°	775.8	776.7	777.7	778.8	779.8	779.8	778.9	778.1	777.2	776.4	776.4
167.5°	788.9	789.8	790.7	791.5	792.4	792.4	791.5	790.7	789.8	788.9	788.8
170°	795.5	796.5	797.5	798.5	799.5	799.5	798.5	797.5	796.5	795.5	795.5
172.5°	800.6	801.6	802.6	803.6	804.6	804.6	803.8	802.9	802.0	801.1	801.1
175°	806.3	807.3	808.4	809.3	810.3	810.4	809.5	808.7	807.9	807.0	807.0
177.5°	809.4	810.2	811.0	811.8	812.6	812.6	812.0	811.3	810.6	809.9	809.9
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



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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°	14.9	14.9	13.5	11.8	10.8	9.5	9.3	8.3	7.9	8.2	8.2
90°	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7	2.0	3.5	4.9
92.5°	22.4	21.4	20.3	19.2	18.3	17.4	16.4	15.4	16.4	17.4	18.3
95°	44.9	43.8	42.6	41.6	40.6	39.6	38.6	37.6	38.6	39.6	40.6
97.5°	72.2	71.3	70.5	69.8	69.0	68.2	67.5	66.8	67.5	68.2	69.0
100°	92.3	91.6	90.9	90.1	89.3	88.4	87.6	86.7	87.6	88.4	89.3
102.5°	114.3	113.3	112.4	111.7	111.2	110.6	110.1	109.7	110.1	110.6	111.2
105°	147.9	146.6	145.4	144.6	144.3	144.0	143.7	143.4	143.7	144.0	144.3
107.5°	184.7	184.3	183.7	183.4	183.2	183.0	182.9	182.7	182.9	183.0	183.2
110°	209.1	208.9	208.6	208.3	208.0	207.7	207.4	207.2	207.4	207.7	208.0



TEST NUMBER: P331974-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.6	233.5	233.4	233.3	233.2	233.0	232.8	232.7	232.8	233.0	233.2
115°	272.1	272.4	272.7	272.6	272.1	271.7	271.3	270.9	271.3	271.7	272.1
117.5°	309.7	310.1	310.5	310.5	310.2	310.0	309.7	309.4	309.7	310.0	310.2
120°	335.4	336.1	336.9	336.8	335.9	335.1	334.2	333.4	334.2	335.1	335.9
122.5°	360.3	360.6	361.0	360.9	360.2	359.6	359.0	358.4	359.0	359.6	360.2
125°	397.7	397.9	398.3	398.2	397.8	397.3	396.9	396.5	396.9	397.3	397.8
127.5°	435.0	435.3	435.6	435.3	434.4	433.5	432.6	431.7	432.6	433.5	434.4
130°	459.2	459.6	460.0	459.7	458.5	457.4	456.2	455.1	456.2	457.4	458.5
132.5°	482.9	483.2	483.6	483.1	482.0	480.9	479.7	478.6	479.7	480.9	482.0
135°	517.9	518.0	518.2	517.8	517.0	516.1	515.3	514.4	515.3	516.1	517.0
137.5°	551.6	551.3	550.9	550.4	549.7	548.9	548.3	547.6	548.3	548.9	549.7
140°	574.1	573.9	573.7	573.3	572.7	571.9	571.2	570.5	571.2	571.9	572.7
142.5°	595.3	595.0	594.8	594.3	593.5	592.8	592.2	591.4	592.2	592.8	593.5
145°	626.4	626.0	625.5	625.2	624.9	624.6	624.4	624.0	624.4	624.6	624.9
147.5°	655.9	655.5	655.1	654.7	654.1	653.6	653.1	652.6	653.1	653.6	654.1
150°	674.5	674.2	673.9	673.6	673.4	673.0	672.8	672.5	672.8	673.0	673.4
152.5°	691.0	690.9	690.7	690.4	690.0	689.6	689.2	688.8	689.2	689.6	690.0
155°	714.9	714.8	714.6	714.5	714.5	714.5	714.5	714.5	714.5	714.5	714.5
157.5°	736.1	735.9	735.8	735.8	736.0	736.1	736.3	736.5	736.3	736.1	736.0
160°	749.0	749.0	749.0	749.1	749.4	749.7	750.0	750.2	750.0	749.7	749.4
162.5°	761.0	760.9	760.8	760.9	761.3	761.7	762.1	762.5	762.1	761.7	761.3
165°	776.4	776.4	776.4	776.6	777.1	777.5	777.9	778.3	777.9	777.5	777.1
167.5°	788.6	788.6	788.5	788.6	789.2	789.8	790.4	790.9	790.4	789.8	789.2
170°	795.5	795.5	795.5	795.8	796.4	797.0	797.5	798.1	797.5	797.0	796.4
172.5°	801.1	801.1	801.1	801.4	802.0	802.6	803.2	803.6	803.2	802.6	802.0
175°	807.0	807.0	807.0	807.3	807.9	808.5	808.9	809.5	808.9	808.5	807.9
177.5°	809.9	809.9	809.9	810.2	810.6	811.1	811.5	812.0	811.5	811.1	810.6
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331974-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-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°	8.1	8.7	8.8	9.5	9.5	10.2	10.4	9.8	9.9	11.0	9.8
90°	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5	17.0	17.5	18.0
92.5°	19.2	20.3	21.4	22.4	23.4	24.5	24.9	25.4	25.8	26.3	26.4
95°	41.6	42.6	43.8	44.9	46.1	47.2	47.8	48.3	48.8	49.4	49.7
97.5°	69.8	70.5	71.3	72.2	73.0	73.8	74.4	75.1	75.7	76.4	76.7
100°	90.1	90.9	91.6	92.3	93.0	93.7	94.2	94.6	95.0	95.4	95.8
102.5°	111.7	112.4	113.3	114.3	115.2	116.2	116.6	117.0	117.4	117.8	118.1
105°	144.6	145.4	146.6	147.9	149.2	150.4	150.4	150.4	150.4	150.4	150.6
107.5°	183.4	183.7	184.3	184.7	185.2	185.7	186.2	186.6	187.1	187.6	187.7
110°	208.3	208.6	208.9	209.1	209.5	209.7	210.3	210.8	211.4	212.0	212.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	233.3	233.4	233.5	233.6	233.7	233.7	234.4	235.1	235.7	236.4	236.7
115°	272.6	272.7	272.4	272.1	271.8	271.6	271.7	271.8	272.0	272.1	272.1
117.5°	310.5	310.5	310.1	309.7	309.4	309.0	309.0	309.0	308.9	308.9	308.7
120°	336.8	336.9	336.1	335.4	334.8	334.0	333.9	333.7	333.6	333.5	333.2
122.5°	360.9	361.0	360.6	360.3	359.9	359.5	359.1	358.8	358.4	358.1	357.7
125°	398.2	398.3	397.9	397.7	397.4	397.1	396.6	396.0	395.4	394.8	394.3
127.5°	435.3	435.6	435.3	435.0	434.6	434.3	433.6	432.8	431.9	431.2	430.5
130°	459.7	460.0	459.6	459.2	458.8	458.3	457.7	457.2	456.6	456.1	455.3
132.5°	483.1	483.6	483.2	482.9	482.6	482.2	481.6	480.9	480.2	479.6	478.8
135°	517.8	518.2	518.0	517.9	517.7	517.6	517.1	516.5	515.9	515.4	514.9
137.5°	550.4	550.9	551.3	551.6	552.0	552.4	551.8	551.2	550.7	550.0	549.4
140°	573.3	573.7	573.9	574.1	574.2	574.3	574.2	574.1	573.9	573.7	573.2
142.5°	594.3	594.8	595.0	595.3	595.5	595.7	595.6	595.5	595.3	595.2	594.8
145°	625.2	625.5	626.0	626.4	626.8	627.2	627.1	627.0	626.8	626.6	626.3
147.5°	654.7	655.1	655.5	655.9	656.3	656.7	656.7	656.7	656.7	656.7	656.2
150°	673.6	673.9	674.2	674.5	674.7	675.1	675.1	675.1	675.1	675.1	674.7
152.5°	690.4	690.7	690.9	691.0	691.2	691.4	691.6	691.8	692.0	692.3	692.0
155°	714.5	714.6	714.8	714.9	715.1	715.2	715.8	716.3	716.9	717.5	717.2
157.5°	735.8	735.8	735.9	736.1	736.1	736.2	736.9	737.4	738.0	738.6	738.5
160°	749.1	749.0	749.0	749.0	749.0	749.0	749.7	750.4	751.1	751.8	751.9
162.5°	760.9	760.8	760.9	761.0	761.1	761.2	761.9	762.6	763.4	764.1	763.9
165°	776.6	776.4	776.4	776.4	776.4	776.4	777.2	778.1	778.9	779.8	779.8
167.5°	788.6	788.5	788.6	788.6	788.8	788.9	789.8	790.7	791.5	792.4	792.4
170°	795.8	795.5	795.5	795.5	795.5	795.5	796.5	797.5	798.5	799.5	799.5
172.5°	801.4	801.1	801.1	801.1	801.1	801.1	802.0	802.9	803.8	804.6	804.6
175°	807.3	807.0	807.0	807.0	807.0	807.0	807.9	808.7	809.5	810.4	810.3
177.5°	810.2	809.9	809.9	809.9	809.9	809.9	810.6	811.3	812.0	812.6	812.6
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331974-930

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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°	9.8	9.9	9.5	9.3	9.5	9.9	9.8	9.8	11.0	9.9	9.8
90°	18.3	18.6	18.8	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5
92.5°	26.3	26.1	25.9	25.8	25.9	26.1	26.3	26.4	26.3	25.8	25.4
95°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.4	48.8	48.3
97.5°	76.6	76.6	76.6	76.5	76.6	76.6	76.6	76.7	76.4	75.7	75.1
100°	96.0	96.3	96.6	96.9	96.6	96.3	96.0	95.8	95.4	95.0	94.6
102.5°	118.0	117.9	117.9	117.8	117.9	117.9	118.0	118.1	117.8	117.4	117.0
105°	150.8	151.2	151.4	151.7	151.4	151.2	150.8	150.6	150.4	150.4	150.4
107.5°	187.5	187.4	187.2	187.0	187.2	187.4	187.5	187.7	187.6	187.1	186.6
110°	211.8	211.6	211.2	211.0	211.2	211.6	211.8	212.1	212.0	211.4	210.8



TEST NUMBER: P331974-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	236.7	236.6	236.5	236.5	236.5	236.6	236.7	236.7	236.4	235.7	235.1
115°	272.0	271.8	271.7	271.6	271.7	271.8	272.0	272.1	272.1	272.0	271.8
117.5°	308.3	307.9	307.5	307.1	307.5	307.9	308.3	308.7	308.9	308.9	309.0
120°	333.0	332.6	332.4	332.1	332.4	332.6	333.0	333.2	333.5	333.6	333.7
122.5°	357.3	356.9	356.4	356.0	356.4	356.9	357.3	357.7	358.1	358.4	358.8
125°	393.7	393.1	392.6	392.0	392.6	393.1	393.7	394.3	394.8	395.4	396.0
127.5°	429.8	429.2	428.5	427.9	428.5	429.2	429.8	430.5	431.2	431.9	432.8
130°	454.3	453.3	452.3	451.3	452.3	453.3	454.3	455.3	456.1	456.6	457.2
132.5°	478.1	477.3	476.5	475.8	476.5	477.3	478.1	478.8	479.6	480.2	480.9
135°	514.6	514.4	514.0	513.8	514.0	514.4	514.6	514.9	515.4	515.9	516.5
137.5°	548.9	548.4	547.9	547.3	547.9	548.4	548.9	549.4	550.0	550.7	551.2
140°	572.2	571.2	570.2	569.2	570.2	571.2	572.2	573.2	573.7	573.9	574.1
142.5°	593.9	593.2	592.4	591.7	592.4	593.2	593.9	594.8	595.2	595.3	595.5
145°	625.7	625.2	624.6	624.0	624.6	625.2	625.7	626.3	626.6	626.8	627.0
147.5°	655.4	654.5	653.7	652.9	653.7	654.5	655.4	656.2	656.7	656.7	656.7
150°	673.8	672.9	672.1	671.2	672.1	672.9	673.8	674.7	675.1	675.1	675.1
152.5°	691.3	690.6	689.8	689.1	689.8	690.6	691.3	692.0	692.3	692.0	691.8
155°	716.2	715.3	714.3	713.3	714.3	715.3	716.2	717.2	717.5	716.9	716.3
157.5°	737.8	736.9	736.1	735.3	736.1	736.9	737.8	738.5	738.6	738.0	737.4
160°	751.3	750.7	750.2	749.6	750.2	750.7	751.3	751.9	751.8	751.1	750.4
162.5°	763.0	762.1	761.2	760.3	761.2	762.1	763.0	763.9	764.1	763.4	762.6
165°	778.8	777.7	776.7	775.8	776.7	777.7	778.8	779.8	779.8	778.9	778.1
167.5°	791.5	790.7	789.8	788.9	789.8	790.7	791.5	792.4	792.4	791.5	790.7
170°	798.5	797.5	796.5	795.5	796.5	797.5	798.5	799.5	799.5	798.5	797.5
172.5°	803.6	802.6	801.6	800.6	801.6	802.6	803.6	804.6	804.6	803.8	802.9
175°	809.3	808.4	807.3	806.3	807.3	808.4	809.3	810.3	810.4	809.5	808.7
177.5°	811.8	811.0	810.2	809.4	810.2	811.0	811.8	812.6	812.6	812.0	811.3
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331974-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-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°	10.4	10.2	9.5	9.5	8.8	8.7	8.1	8.2	8.2	7.9	8.3
90°	15.9	15.3	13.5	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7
92.5°	24.9	24.5	23.4	22.4	21.4	20.3	19.2	18.3	17.4	16.4	15.4
95°	47.8	47.2	46.1	44.9	43.8	42.6	41.6	40.6	39.6	38.6	37.6
97.5°	74.4	73.8	73.0	72.2	71.3	70.5	69.8	69.0	68.2	67.5	66.8
100°	94.2	93.7	93.0	92.3	91.6	90.9	90.1	89.3	88.4	87.6	86.7
102.5°	116.6	116.2	115.2	114.3	113.3	112.4	111.7	111.2	110.6	110.1	109.7
105°	150.4	150.4	149.2	147.9	146.6	145.4	144.6	144.3	144.0	143.7	143.4
107.5°	186.2	185.7	185.2	184.7	184.3	183.7	183.4	183.2	183.0	182.9	182.7
110°	210.3	209.7	209.5	209.1	208.9	208.6	208.3	208.0	207.7	207.4	207.2



TEST NUMBER: P331974-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	234.4	233.7	233.7	233.6	233.5	233.4	233.3	233.2	233.0	232.8	232.7
115°	271.7	271.6	271.8	272.1	272.4	272.7	272.6	272.1	271.7	271.3	270.9
117.5°	309.0	309.0	309.4	309.7	310.1	310.5	310.5	310.2	310.0	309.7	309.4
120°	333.9	334.0	334.8	335.4	336.1	336.9	336.8	335.9	335.1	334.2	333.4
122.5°	359.1	359.5	359.9	360.3	360.6	361.0	360.9	360.2	359.6	359.0	358.4
125°	396.6	397.1	397.4	397.7	397.9	398.3	398.2	397.8	397.3	396.9	396.5
127.5°	433.6	434.3	434.6	435.0	435.3	435.6	435.3	434.4	433.5	432.6	431.7
130°	457.7	458.3	458.8	459.2	459.6	460.0	459.7	458.5	457.4	456.2	455.1
132.5°	481.6	482.2	482.6	482.9	483.2	483.6	483.1	482.0	480.9	479.7	478.6
135°	517.1	517.6	517.7	517.9	518.0	518.2	517.8	517.0	516.1	515.3	514.4
137.5°	551.8	552.4	552.0	551.6	551.3	550.9	550.4	549.7	548.9	548.3	547.6
140°	574.2	574.3	574.2	574.1	573.9	573.7	573.3	572.7	571.9	571.2	570.5
142.5°	595.6	595.7	595.5	595.3	595.0	594.8	594.3	593.5	592.8	592.2	591.4
145°	627.1	627.2	626.8	626.4	626.0	625.5	625.2	624.9	624.6	624.4	624.0
147.5°	656.7	656.7	656.3	655.9	655.5	655.1	654.7	654.1	653.6	653.1	652.6
150°	675.1	675.1	674.7	674.5	674.2	673.9	673.6	673.4	673.0	672.8	672.5
152.5°	691.6	691.4	691.2	691.0	690.9	690.7	690.4	690.0	689.6	689.2	688.8
155°	715.8	715.2	715.1	714.9	714.8	714.6	714.5	714.5	714.5	714.5	714.5
157.5°	736.9	736.2	736.1	736.1	735.9	735.8	735.8	736.0	736.1	736.3	736.5
160°	749.7	749.0	749.0	749.0	749.0	749.0	749.1	749.4	749.7	750.0	750.2
162.5°	761.9	761.2	761.1	761.0	760.9	760.8	760.9	761.3	761.7	762.1	762.5
165°	777.2	776.4	776.4	776.4	776.4	776.4	776.6	777.1	777.5	777.9	778.3
167.5°	789.8	788.9	788.8	788.6	788.6	788.5	788.6	789.2	789.8	790.4	790.9
170°	796.5	795.5	795.5	795.5	795.5	795.5	795.8	796.4	797.0	797.5	798.1
172.5°	802.0	801.1	801.1	801.1	801.1	801.1	801.4	802.0	802.6	803.2	803.6
175°	807.9	807.0	807.0	807.0	807.0	807.0	807.3	807.9	808.5	808.9	809.5
177.5°	810.6	809.9	809.9	809.9	809.9	809.9	810.2	810.6	811.1	811.5	812.0
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331974-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-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°	9.3	9.5	10.8	11.8	13.5	14.9	14.9	14.7	14.7	14.4	14.2
90°	2.0	3.5	4.9	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5
92.5°	16.4	17.4	18.3	19.2	20.3	21.4	22.4	23.4	24.5	24.9	25.4
95°	38.6	39.6	40.6	41.6	42.6	43.8	44.9	46.1	47.2	47.8	48.3
97.5°	67.5	68.2	69.0	69.8	70.5	71.3	72.2	73.0	73.8	74.4	75.1
100°	87.6	88.4	89.3	90.1	90.9	91.6	92.3	93.0	93.7	94.2	94.6
102.5°	110.1	110.6	111.2	111.7	112.4	113.3	114.3	115.2	116.2	116.6	117.0
105°	143.7	144.0	144.3	144.6	145.4	146.6	147.9	149.2	150.4	150.4	150.4
107.5°	182.9	183.0	183.2	183.4	183.7	184.3	184.7	185.2	185.7	186.2	186.6
110°	207.4	207.7	208.0	208.3	208.6	208.9	209.1	209.5	209.7	210.3	210.8



TEST NUMBER: P331974-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	232.8	233.0	233.2	233.3	233.4	233.5	233.6	233.7	233.7	234.4	235.1
115°	271.3	271.7	272.1	272.6	272.7	272.4	272.1	271.8	271.6	271.7	271.8
117.5°	309.7	310.0	310.2	310.5	310.5	310.1	309.7	309.4	309.0	309.0	309.0
120°	334.2	335.1	335.9	336.8	336.9	336.1	335.4	334.8	334.0	333.9	333.7
122.5°	359.0	359.6	360.2	360.9	361.0	360.6	360.3	359.9	359.5	359.1	358.8
125°	396.9	397.3	397.8	398.2	398.3	397.9	397.7	397.4	397.1	396.6	396.0
127.5°	432.6	433.5	434.4	435.3	435.6	435.3	435.0	434.6	434.3	433.6	432.8
130°	456.2	457.4	458.5	459.7	460.0	459.6	459.2	458.8	458.3	457.7	457.2
132.5°	479.7	480.9	482.0	483.1	483.6	483.2	482.9	482.6	482.2	481.6	480.9
135°	515.3	516.1	517.0	517.8	518.2	518.0	517.9	517.7	517.6	517.1	516.5
137.5°	548.3	548.9	549.7	550.4	550.9	551.3	551.6	552.0	552.4	551.8	551.2
140°	571.2	571.9	572.7	573.3	573.7	573.9	574.1	574.2	574.3	574.2	574.1
142.5°	592.2	592.8	593.5	594.3	594.8	595.0	595.3	595.5	595.7	595.6	595.5
145°	624.4	624.6	624.9	625.2	625.5	626.0	626.4	626.8	627.2	627.1	627.0
147.5°	653.1	653.6	654.1	654.7	655.1	655.5	655.9	656.3	656.7	656.7	656.7
150°	672.8	673.0	673.4	673.6	673.9	674.2	674.5	674.7	675.1	675.1	675.1
152.5°	689.2	689.6	690.0	690.4	690.7	690.9	691.0	691.2	691.4	691.6	691.8
155°	714.5	714.5	714.5	714.5	714.6	714.8	714.9	715.1	715.2	715.8	716.3
157.5°	736.3	736.1	736.0	735.8	735.8	735.9	736.1	736.1	736.2	736.9	737.4
160°	750.0	749.7	749.4	749.1	749.0	749.0	749.0	749.0	749.0	749.7	750.4
162.5°	762.1	761.7	761.3	760.9	760.8	760.9	761.0	761.1	761.2	761.9	762.6
165°	777.9	777.5	777.1	776.6	776.4	776.4	776.4	776.4	776.4	777.2	778.1
167.5°	790.4	789.8	789.2	788.6	788.5	788.6	788.6	788.8	788.9	789.8	790.7
170°	797.5	797.0	796.4	795.8	795.5	795.5	795.5	795.5	795.5	796.5	797.5
172.5°	803.2	802.6	802.0	801.4	801.1	801.1	801.1	801.1	801.1	802.0	802.9
175°	808.9	808.5	807.9	807.3	807.0	807.0	807.0	807.0	807.0	807.9	808.7
177.5°	811.5	811.1	810.6	810.2	809.9	809.9	809.9	809.9	809.9	810.6	811.3
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



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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°	14.0	13.8	13.5	13.9	13.6	13.3	14.1
90°	17.0	17.5	18.0	18.3	18.6	18.8	19.2
92.5°	25.8	26.3	26.4	26.3	26.1	25.9	25.8
95°	48.8	49.4	49.7	49.7	49.7	49.7	49.7
97.5°	75.7	76.4	76.7	76.6	76.6	76.6	76.5
100°	95.0	95.4	95.8	96.0	96.3	96.6	96.9
102.5°	117.4	117.8	118.1	118.0	117.9	117.9	117.8
105°	150.4	150.4	150.6	150.8	151.2	151.4	151.7
107.5°	187.1	187.6	187.7	187.5	187.4	187.2	187.0
110°	211.4	212.0	212.1	211.8	211.6	211.2	211.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	235.7	236.4	236.7	236.7	236.6	236.5	236.5
115°	272.0	272.1	272.1	272.0	271.8	271.7	271.6
117.5°	308.9	308.9	308.7	308.3	307.9	307.5	307.1
120°	333.6	333.5	333.2	333.0	332.6	332.4	332.1
122.5°	358.4	358.1	357.7	357.3	356.9	356.4	356.0
125°	395.4	394.8	394.3	393.7	393.1	392.6	392.0
127.5°	431.9	431.2	430.5	429.8	429.2	428.5	427.9
130°	456.6	456.1	455.3	454.3	453.3	452.3	451.3
132.5°	480.2	479.6	478.8	478.1	477.3	476.5	475.8
135°	515.9	515.4	514.9	514.6	514.4	514.0	513.8
137.5°	550.7	550.0	549.4	548.9	548.4	547.9	547.3
140°	573.9	573.7	573.2	572.2	571.2	570.2	569.2
142.5°	595.3	595.2	594.8	593.9	593.2	592.4	591.7
145°	626.8	626.6	626.3	625.7	625.2	624.6	624.0
147.5°	656.7	656.7	656.2	655.4	654.5	653.7	652.9
150°	675.1	675.1	674.7	673.8	672.9	672.1	671.2
152.5°	692.0	692.3	692.0	691.3	690.6	689.8	689.1
155°	716.9	717.5	717.2	716.2	715.3	714.3	713.3
157.5°	738.0	738.6	738.5	737.8	736.9	736.1	735.3
160°	751.1	751.8	751.9	751.3	750.7	750.2	749.6
162.5°	763.4	764.1	763.9	763.0	762.1	761.2	760.3
165°	778.9	779.8	779.8	778.8	777.7	776.7	775.8
167.5°	791.5	792.4	792.4	791.5	790.7	789.8	788.9
170°	798.5	799.5	799.5	798.5	797.5	796.5	795.5
172.5°	803.8	804.6	804.6	803.6	802.6	801.6	800.6
175°	809.5	810.4	810.3	809.3	808.4	807.3	806.3
177.5°	812.0	812.6	812.6	811.8	811.0	810.2	809.4
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5

(END OF REPORT)