

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: P332320-935

Luminaire Tested: **S123RDIP-S775D1025U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332320-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D1025U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5819.3 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

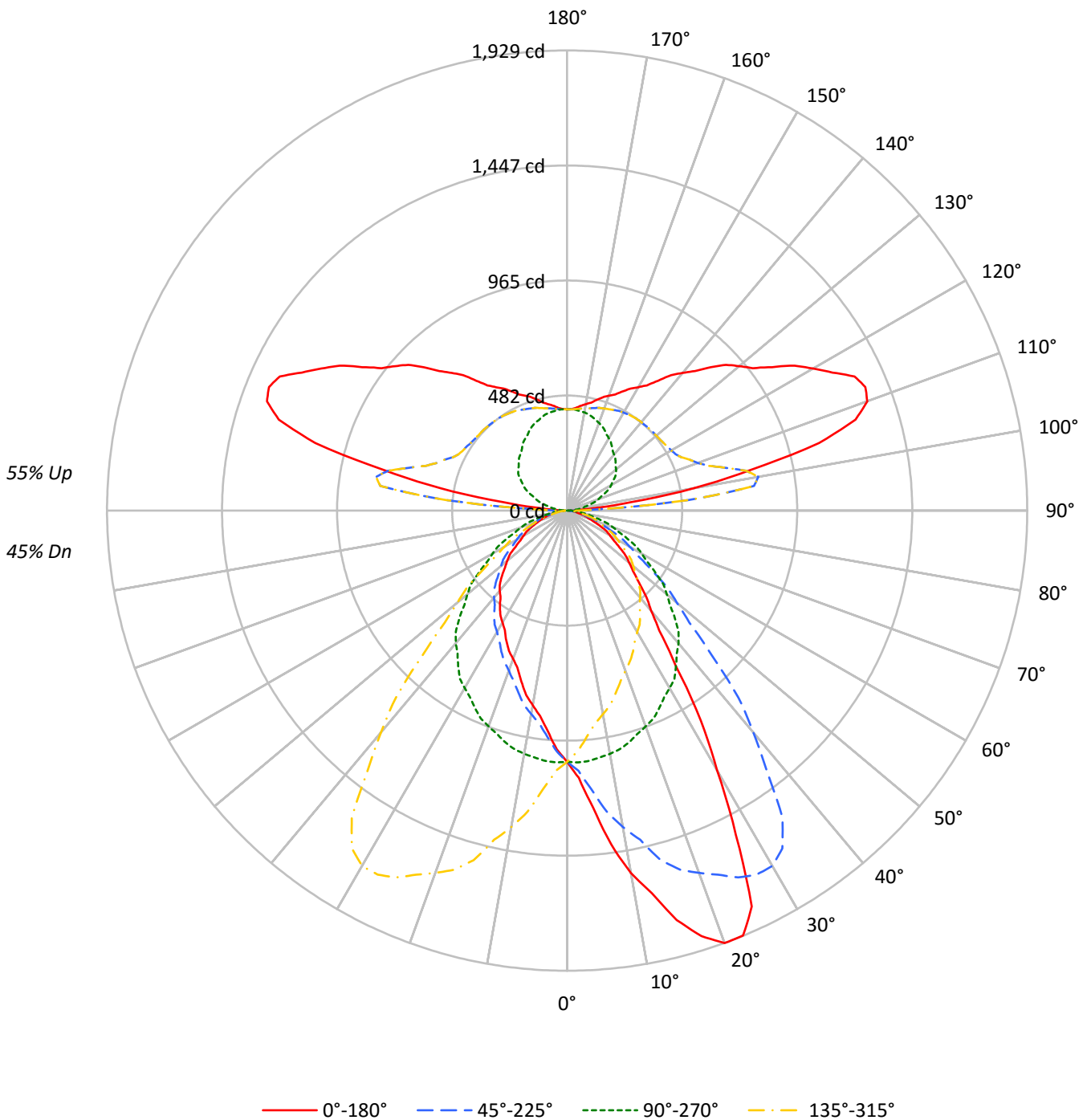
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	93	89	86	89	86	82	80	71	69	67	58	57	56	46	45	45	39
2	89	82	76	71	81	75	70	66	63	60	56	52	49	47	41	40	38	34
3	81	72	65	60	74	67	61	56	56	52	48	46	43	41	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29	25
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	30	28	26	22
6	63	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23	20
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	26	23	20	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	20	22	19	17	15
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11334	11334	11334	11334
5°	13511	11382	10024	11382
10°	16869	11317	9055	11317
15°	19801	11202	8259	11202
20°	22100	11030	7581	11030
25°	21747	10847	7163	10847
30°	15632	10679	6734	10679
35°	10437	10461	6457	10461
40°	7690	10197	6169	10197
45°	6450	9736	5888	9736
50°	5692	9133	5494	9133
55°	4992	8443	4958	8443
60°	4445	7782	4540	7782
65°	3904	7073	4225	7073
70°	3065	6442	3858	6442
75°	2699	5627	3523	5627
80°	2349	4779	3465	4779
85°	1890	3841	3680	3841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	1.8
10°-20°	323.5	5.6
20°-30°	508.3	8.7
30°-40°	530.3	9.1
40°-50°	453.8	7.8
50°-60°	345.9	5.9
60°-70°	221.7	3.8
70°-80°	106.6	1.8
80°-90°	31.5	0.5
90°-100°	236.3	4.1
100°-110°	669.0	11.5
110°-120°	658.1	11.3
120°-130°	525.0	9.0
130°-140°	413.9	7.1
140°-150°	308.9	5.3
150°-160°	215.3	3.7
160°-170°	126.5	2.2
170°-180°	41.2	0.7
0°-30°	935.3	16.1
0°-40°	1465.6	25.2
0°-60°	2265.3	38.9
0°-90°	2625.1	45.1
90°-120°	1563.5	26.9
90°-150°	2811.2	48.3
90°-180°	3194.0	54.9
0°-180°	5819.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1053	1053	1053	1053	1053	
5°	1250	1053	928	1053	1250	129
15°	1777	1005	741	1005	1777	504
25°	1831	913	603	913	1831	787
35°	794	796	491	796	794	521
45°	424	640	387	640	424	333
55°	266	450	264	450	266	240
65°	153	278	166	278	153	151
75°	65	135	85	135	65	70
85°	15	31	30	31	15	18
90°	25	2	25	2	25	14
95°	100	29	100	29	100	180
105°	1093	100	1093	100	1093	1078
115°	1330	176	1330	176	1330	1292
125°	1048	245	1048	245	1048	950
135°	850	287	850	287	850	659
145°	664	327	664	327	664	423
155°	551	372	551	372	551	257
165°	480	406	480	406	480	137
175°	432	424	432	424	432	42
180°	425	425	425	425	425	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1121.5	1123.0	1118.3	1117.6	1112.2	1110.7	1110.7	1103.1	1098.5	1092.4	1088.7
5°	1250.4	1257.7	1254.0	1246.0	1232.4	1229.2	1220.7	1207.2	1191.9	1172.9	1163.9
7.5°	1411.4	1421.3	1417.6	1405.0	1390.9	1379.4	1355.2	1332.7	1301.3	1273.7	1250.1
10°	1543.4	1533.1	1525.0	1512.8	1499.8	1478.5	1453.3	1418.6	1378.5	1346.9	1311.7
12.5°	1642.3	1640.5	1630.3	1617.7	1599.3	1579.2	1548.2	1505.9	1459.2	1413.7	1373.5
15°	1776.9	1779.7	1772.9	1759.8	1733.7	1698.1	1651.2	1633.6	1566.9	1517.3	1467.7
17.5°	1870.2	1869.7	1868.7	1850.6	1823.9	1798.6	1755.1	1708.9	1648.5	1578.6	1511.8
20°	1929.3	1924.9	1925.7	1905.4	1885.6	1856.3	1814.0	1746.8	1697.2	1616.5	1547.5
22.5°	1927.9	1927.0	1930.4	1923.5	1909.0	1886.6	1853.2	1796.6	1733.3	1651.8	1574.2
25°	1831.1	1827.5	1848.7	1854.5	1877.5	1881.5	1871.6	1840.6	1780.5	1696.7	1600.7
27.5°	1532.5	1530.5	1569.8	1619.0	1681.4	1729.9	1776.8	1799.4	1780.5	1720.5	1624.4
30°	1257.7	1300.0	1319.9	1391.1	1470.4	1565.1	1648.0	1726.9	1746.3	1720.2	1641.2
32.5°	1044.2	1081.2	1097.7	1158.8	1232.8	1343.7	1468.1	1579.8	1658.7	1678.7	1631.2
35°	794.3	794.7	832.6	859.6	928.2	1042.2	1163.0	1312.7	1461.4	1574.1	1585.8
37.5°	633.8	636.0	658.9	685.9	737.3	797.6	904.0	1028.4	1200.2	1373.2	1474.6
40°	547.3	551.3	568.4	595.0	632.0	677.5	760.4	877.7	1021.0	1213.5	1370.8
42.5°	491.7	498.3	507.1	527.6	550.5	593.1	660.2	750.7	881.1	1063.1	1244.6
45°	423.7	427.3	434.1	443.6	464.3	494.0	539.2	599.9	708.2	854.7	1036.3
47.5°	373.8	371.9	379.0	386.7	400.5	420.8	451.0	500.7	577.8	695.3	849.5
50°	339.9	339.4	344.4	350.3	363.3	378.2	403.0	440.4	501.7	599.1	740.2
52.5°	308.2	309.9	313.4	320.7	330.1	342.2	364.4	391.3	444.0	528.1	645.7
55°	266.0	267.3	272.2	276.3	283.1	295.2	309.3	331.7	367.8	426.5	523.3
57.5°	230.2	229.6	234.4	235.4	243.1	253.0	263.8	281.3	307.5	350.9	416.2
60°	206.5	205.1	209.1	212.3	216.4	224.5	233.5	250.6	271.4	303.3	359.3
62.5°	184.9	184.2	187.2	190.3	193.6	201.0	208.6	221.8	238.2	265.2	309.5
65°	153.3	154.6	155.9	157.3	159.1	163.6	170.8	179.9	191.1	210.1	242.0
67.5°	120.5	121.8	122.3	125.0	128.9	131.7	136.1	144.1	152.0	168.0	186.1
70°	97.4	96.9	97.4	98.8	103.7	108.7	114.5	120.4	125.3	136.6	151.9
72.5°	83.7	82.8	84.0	84.3	86.7	88.1	91.8	97.3	103.7	111.3	122.3
75°	64.9	64.9	64.9	64.9	66.7	67.6	69.0	70.3	72.6	76.2	84.3
77.5°	48.0	48.0	48.6	49.2	49.5	50.0	50.9	52.2	53.0	54.9	58.5
80°	37.9	38.3	37.9	38.3	38.3	39.2	39.7	41.0	41.5	43.7	45.1
82.5°	28.5	28.2	28.5	28.9	28.9	29.9	30.0	30.9	31.0	32.2	33.6
85°	15.3	14.5	15.3	14.9	15.8	14.9	15.3	16.2	16.2	16.7	18.5
87.5°	8.6	9.5	8.6	8.8	9.0	9.0	8.8	8.6	9.2	9.0	8.9
90°	24.9	25.7	24.9	24.0	24.9	23.2	22.4	21.5	20.7	21.5	18.9
92.5°	41.4	43.0	42.1	44.7	46.2	50.7	57.4	72.3	99.7	132.2	145.4
95°	99.7	103.1	109.2	116.9	133.2	164.2	209.7	309.4	413.4	509.6	453.7
97.5°	271.4	278.8	302.0	340.7	404.1	506.9	617.8	771.3	845.0	789.8	578.2
100°	538.9	538.0	571.5	634.3	721.1	843.1	943.7	1013.3	983.2	813.9	550.0
102.5°	790.5	810.3	838.3	887.9	955.5	1032.9	1091.5	1093.7	990.1	769.2	508.8
105°	1093.2	1097.5	1125.0	1157.6	1197.2	1219.5	1203.2	1117.2	937.6	691.0	458.1
107.5°	1267.5	1275.4	1284.7	1295.7	1295.0	1264.4	1189.1	1049.6	845.8	621.9	425.8
110°	1339.0	1340.7	1342.5	1335.6	1311.5	1251.3	1143.1	984.9	788.1	582.7	413.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1353.4	1353.1	1346.5	1325.3	1281.3	1203.9	1082.5	920.9	737.9	556.6	406.5
115°	1329.6	1325.3	1308.0	1270.2	1205.7	1112.1	985.8	836.2	677.3	528.6	403.9
117.5°	1253.5	1247.8	1223.0	1179.7	1112.4	1017.4	904.0	774.9	640.6	512.0	405.4
120°	1190.3	1185.2	1164.5	1116.4	1048.5	961.7	858.6	742.5	621.4	504.5	408.2
122.5°	1131.2	1124.6	1102.0	1058.7	998.3	917.7	822.2	717.1	605.5	499.6	413.0
125°	1048.5	1042.5	1021.0	983.2	928.2	859.5	777.0	683.3	585.3	493.4	420.3
127.5°	980.4	974.9	955.5	923.2	874.2	811.7	737.2	653.7	567.4	490.3	428.5
130°	941.9	935.0	917.1	886.1	840.5	782.0	712.5	635.2	557.8	488.2	434.0
132.5°	904.1	899.3	883.3	852.4	809.6	753.9	689.1	617.9	548.8	487.5	438.2
135°	850.0	844.0	828.5	802.7	760.6	711.6	655.7	594.7	537.2	486.5	444.4
137.5°	792.7	788.8	775.8	749.6	714.2	671.8	623.6	573.6	527.0	484.6	448.4
140°	752.9	753.7	739.9	715.9	683.3	646.3	605.0	561.2	520.8	483.9	451.2
142.5°	715.7	716.6	704.2	682.9	655.0	622.9	587.2	549.5	515.3	482.5	453.2
145°	664.3	662.6	655.7	637.7	616.2	591.2	563.8	535.5	507.9	480.4	454.6
147.5°	622.1	621.4	614.8	602.6	586.3	568.6	546.4	523.9	500.7	477.2	454.6
150°	597.3	597.3	592.1	582.7	569.8	553.5	535.5	515.7	495.8	474.4	454.6
152.5°	576.7	576.7	573.6	564.8	554.7	541.1	525.1	508.1	490.4	471.0	452.5
155°	550.9	550.0	548.3	541.5	533.7	523.4	510.5	496.7	482.2	464.9	450.3
157.5°	527.4	527.5	526.2	521.0	514.3	506.2	496.2	484.7	472.9	459.6	447.5
160°	512.2	513.1	513.1	507.9	501.9	495.8	487.3	477.9	466.7	455.5	446.1
162.5°	498.4	499.3	499.3	494.9	490.9	485.6	477.7	469.6	460.5	451.3	443.3
165°	480.4	480.4	481.3	477.9	474.4	470.1	464.1	458.9	452.0	445.2	439.2
167.5°	463.2	463.2	464.1	461.7	460.1	457.0	453.6	449.6	444.0	439.0	435.1
170°	452.9	452.9	453.7	452.0	451.2	449.4	446.1	443.5	439.2	434.9	432.3
172.5°	443.3	444.0	445.6	443.8	443.7	442.6	439.9	438.0	434.4	431.4	430.2
175°	432.3	433.2	434.0	433.2	433.2	433.2	431.4	430.6	428.9	427.1	427.1
177.5°	425.9	425.9	427.3	426.6	427.3	427.3	426.6	425.9	425.2	424.6	425.2
180°	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1087.3	1086.2	1081.2	1075.4	1067.8	1062.7	1058.8	1056.6	1050.2	1042.2	1036.8
5°	1154.4	1140.9	1126.5	1108.9	1092.7	1076.0	1065.7	1053.4	1038.6	1021.9	1010.2
7.5°	1226.4	1199.9	1171.3	1141.9	1112.7	1086.6	1063.5	1043.7	1020.0	996.1	979.4
10°	1281.6	1242.8	1202.6	1161.7	1124.2	1089.1	1062.0	1035.4	1007.0	979.6	958.8
12.5°	1331.7	1280.7	1234.4	1184.0	1136.2	1094.2	1055.2	1023.9	989.7	960.4	936.8
15°	1395.2	1342.9	1286.9	1210.3	1146.8	1093.6	1046.3	1005.2	963.8	927.7	904.7
17.5°	1454.5	1375.8	1300.7	1236.7	1154.2	1087.7	1029.9	980.9	935.4	897.2	868.8
20°	1479.0	1402.8	1321.2	1239.7	1158.5	1084.1	1016.9	962.9	915.5	872.3	846.1
22.5°	1493.7	1407.5	1321.5	1233.9	1147.7	1070.4	1004.0	944.4	893.2	852.0	819.8
25°	1511.0	1408.3	1313.5	1227.0	1139.1	1055.2	976.4	913.3	857.8	814.1	779.8
27.5°	1522.3	1401.4	1289.6	1193.3	1104.2	1020.7	948.4	881.6	825.3	779.0	742.3
30°	1524.5	1396.0	1271.2	1167.1	1076.4	999.8	923.2	859.2	799.7	750.5	716.3
32.5°	1527.4	1382.7	1246.3	1135.7	1042.9	967.0	897.6	836.5	775.5	727.1	692.2
35°	1515.5	1375.4	1208.5	1081.4	988.5	915.1	852.4	796.1	736.2	689.2	653.6
37.5°	1464.3	1346.0	1169.4	1020.3	923.2	855.1	804.1	754.9	700.0	649.4	615.9
40°	1412.7	1317.2	1139.1	983.2	881.8	811.8	765.9	725.7	672.5	625.3	589.2
42.5°	1335.9	1277.9	1110.3	944.2	834.8	767.5	728.8	691.1	644.5	596.4	562.5
45°	1195.0	1202.6	1051.2	882.2	769.9	702.3	665.8	639.6	598.2	558.5	523.8
47.5°	1018.3	1089.9	981.9	816.1	701.5	638.0	606.1	583.3	555.3	516.4	484.7
50°	902.9	1005.2	926.3	771.7	658.6	595.5	564.0	545.4	521.1	490.4	460.2
52.5°	796.5	906.5	859.3	722.3	612.1	554.4	523.6	508.3	489.0	460.1	432.8
55°	649.5	761.0	750.1	647.7	542.3	490.4	467.0	449.9	436.8	415.2	393.6
57.5°	525.5	631.0	636.6	564.8	480.8	429.6	409.4	396.5	388.0	371.6	351.6
60°	447.2	544.1	563.0	508.9	436.8	391.8	371.9	361.5	354.7	341.7	326.4
62.5°	382.3	464.8	486.2	447.3	394.6	352.4	336.9	326.9	322.3	311.0	297.5
65°	292.6	361.1	381.8	360.2	332.7	298.9	286.3	277.7	273.6	267.3	257.4
67.5°	220.0	269.9	292.7	277.4	267.5	246.2	238.1	233.5	229.9	225.6	217.3
70°	176.7	213.7	237.1	233.1	225.0	213.7	207.8	204.7	201.0	197.4	190.2
72.5°	142.1	167.6	189.5	191.6	184.9	182.6	177.5	176.2	174.0	169.7	165.7
75°	94.2	111.8	127.1	132.9	135.7	137.9	135.7	135.3	134.7	131.2	128.9
77.5°	61.7	71.2	80.8	90.8	95.1	98.2	98.9	100.6	99.4	97.5	96.3
80°	47.4	49.6	56.3	64.9	71.6	74.4	76.2	77.1	76.6	76.2	74.4
82.5°	34.4	36.2	39.4	45.5	51.1	55.6	56.7	56.6	57.5	57.8	56.3
85°	18.5	18.9	19.8	20.8	23.8	28.8	30.2	31.1	32.0	32.0	29.3
87.5°	9.0	8.2	8.4	8.0	8.8	8.6	10.4	11.9	12.6	11.5	12.0
90°	16.4	13.8	11.2	9.5	7.7	5.2	3.4	1.7	3.4	5.2	7.7
92.5°	109.2	72.2	49.7	36.9	29.7	23.1	15.8	10.7	15.8	23.1	29.7
95°	312.8	184.8	111.8	78.2	55.9	41.2	31.8	29.2	31.8	41.2	55.9
97.5°	343.3	198.9	129.1	92.8	70.8	58.1	50.7	49.9	50.7	58.1	70.8
100°	324.0	196.8	136.6	103.1	82.5	70.5	64.5	63.6	64.5	70.5	82.5
102.5°	307.5	199.6	145.6	114.9	96.3	84.9	79.6	78.0	79.6	84.9	96.3
105°	295.7	207.2	160.7	134.1	117.8	107.5	102.3	99.7	102.3	107.5	117.8
107.5°	294.8	221.2	180.5	155.8	140.4	130.3	125.3	122.7	125.3	130.3	140.4
110°	298.3	232.9	194.2	170.1	155.6	146.1	141.8	139.2	141.8	146.1	155.6



TEST NUMBER: P332320-935

CATALOG NUMBER: S123RDIP-S775D1025U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	305.1	244.6	208.7	185.3	170.7	161.3	157.0	154.4	157.0	161.3	170.7
115°	316.2	263.8	231.2	208.0	193.4	184.8	179.6	176.2	179.6	184.8	193.4
117.5°	331.1	284.3	252.0	230.5	214.1	206.3	202.0	198.0	202.0	206.3	214.1
120°	342.1	297.4	266.4	245.0	228.6	220.0	215.7	213.1	215.7	220.0	228.6
122.5°	352.4	311.1	280.9	258.0	242.4	233.1	228.8	226.2	228.8	233.1	242.4
125°	368.7	330.9	300.8	277.6	261.2	251.8	246.7	245.0	246.7	251.8	261.2
127.5°	382.1	348.1	319.0	295.8	277.8	268.1	261.7	259.2	261.7	268.1	277.8
130°	391.1	358.3	330.0	306.8	288.8	278.4	270.7	268.1	270.7	278.4	288.8
132.5°	399.3	367.3	339.7	317.1	299.1	286.7	278.3	275.0	278.3	286.7	299.1
135°	409.9	380.7	354.0	330.9	312.8	300.0	290.5	287.1	290.5	300.0	312.8
137.5°	417.8	390.0	364.4	342.9	325.0	311.3	302.0	298.4	302.0	311.3	325.0
140°	422.0	396.2	371.3	349.8	332.6	318.8	310.2	306.0	310.2	318.8	332.6
142.5°	426.1	401.1	376.8	356.6	339.5	327.1	317.8	314.2	317.8	327.1	339.5
145°	430.6	407.3	385.0	365.2	350.7	337.8	330.0	327.4	330.0	337.8	350.7
147.5°	433.3	412.5	392.1	375.2	361.1	350.0	342.4	340.9	342.4	350.0	361.1
150°	434.0	415.9	396.2	380.7	368.7	357.5	350.7	349.8	350.7	357.5	368.7
152.5°	435.4	418.0	401.1	386.2	375.6	365.8	358.9	358.7	358.9	365.8	375.6
155°	435.8	422.0	407.3	395.4	385.9	377.3	372.1	372.1	372.1	377.3	385.9
157.5°	436.6	424.2	412.5	403.2	395.2	387.6	383.5	382.8	383.5	387.6	395.2
160°	436.6	426.3	415.9	407.3	401.3	394.5	391.1	391.1	391.1	394.5	401.3
162.5°	435.9	427.0	418.0	410.8	405.4	400.0	397.3	397.3	397.3	400.0	405.4
165°	434.0	428.0	421.1	415.1	411.6	407.3	405.6	406.5	405.6	407.3	411.6
167.5°	432.7	427.8	422.8	419.0	416.6	413.4	412.5	413.5	412.5	413.4	416.6
170°	430.6	427.1	422.8	421.1	419.4	416.8	415.9	417.7	415.9	416.8	419.4
172.5°	429.9	427.1	423.5	422.5	421.5	419.6	419.4	420.4	419.4	419.6	421.5
175°	428.0	426.3	424.6	423.7	423.7	422.0	422.8	423.7	422.8	422.0	423.7
177.5°	426.6	425.2	424.6	424.6	424.6	423.9	424.6	425.2	424.6	423.9	424.6
180°	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6



TEST NUMBER: P332320-935

CATALOG NUMBER: S123RDIP-S775D1025U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1035.0	1030.3	1027.1	1019.9	1015.1	1010.1	1005.0	1008.3	1008.0	1007.5	1007.5
5°	1000.3	989.9	980.4	968.3	960.6	951.1	943.9	943.1	944.9	938.5	934.9
7.5°	965.9	951.7	938.2	924.8	910.6	899.2	892.1	888.7	884.2	880.3	876.2
10°	941.7	925.0	911.9	895.3	879.9	866.4	857.8	852.0	848.8	845.7	839.8
12.5°	916.8	900.4	883.8	865.0	850.3	834.7	828.3	821.7	815.6	812.1	804.1
15°	880.4	859.2	841.6	821.7	805.6	790.2	781.2	768.1	766.3	761.8	753.7
17.5°	843.9	820.9	796.6	782.0	763.6	747.7	733.9	729.5	716.6	711.8	704.7
20°	815.0	793.8	775.3	756.0	729.4	714.5	703.7	697.8	687.4	681.1	676.6
22.5°	790.1	768.6	747.2	724.6	702.7	686.0	678.0	668.9	663.3	654.4	649.5
25°	754.6	731.2	705.5	681.1	665.4	652.7	640.1	632.0	623.9	619.8	610.8
27.5°	713.3	688.8	664.8	646.4	627.0	614.5	603.0	595.8	586.1	579.3	574.3
30°	690.6	661.8	641.0	624.3	599.5	587.8	579.3	570.2	563.0	555.8	550.9
32.5°	664.3	637.9	618.3	597.6	578.6	565.8	554.7	546.8	540.6	533.8	528.8
35°	622.9	600.9	580.6	559.8	545.9	532.8	519.8	513.0	507.1	500.8	496.3
37.5°	585.7	565.0	545.7	526.1	508.8	498.1	487.6	482.4	474.5	470.3	465.6
40°	562.6	542.3	521.5	502.7	484.6	476.5	467.0	459.3	452.1	449.0	444.0
42.5°	537.4	517.0	499.6	479.1	464.4	453.4	444.6	436.3	430.8	426.3	423.4
45°	499.9	481.9	464.8	444.4	430.5	421.0	411.1	403.5	398.5	395.4	390.4
47.5°	463.6	445.6	428.2	410.4	396.9	386.2	376.3	370.9	364.3	360.4	357.1
50°	437.2	421.0	402.5	386.3	372.8	362.0	353.9	347.1	341.2	336.3	334.1
52.5°	413.1	395.8	379.8	364.7	350.4	338.2	330.8	323.6	319.3	313.6	310.9
55°	373.2	356.5	343.0	328.1	314.2	303.8	294.8	288.5	284.0	277.7	274.1
57.5°	335.8	320.9	304.7	291.8	277.4	268.6	261.1	252.6	247.1	242.2	238.7
60°	310.6	293.4	279.5	267.3	254.7	243.4	236.7	229.9	224.0	219.0	215.9
62.5°	284.3	269.3	256.1	242.8	231.3	221.4	213.6	207.9	202.8	199.6	196.5
65°	243.8	232.1	218.6	207.8	197.0	189.8	183.5	178.5	174.9	172.6	170.0
67.5°	206.7	195.4	183.6	172.9	165.7	160.2	156.1	151.8	150.0	147.1	145.3
70°	182.5	170.8	160.5	152.4	145.2	141.1	138.4	135.3	133.5	129.8	128.0
72.5°	156.3	147.7	140.3	133.6	127.9	124.2	120.7	116.8	114.0	109.9	108.2
75°	123.0	115.4	109.5	105.0	101.4	96.4	91.5	87.5	86.1	84.7	84.3
77.5°	91.2	86.3	82.1	78.3	73.8	70.2	69.1	68.2	67.8	67.2	67.2
80°	71.6	67.2	64.0	59.5	56.8	56.8	56.8	55.9	56.3	56.3	56.3
82.5°	53.3	49.2	47.4	45.8	45.3	45.6	45.6	45.8	45.5	46.2	45.9
85°	27.5	28.0	28.8	28.4	28.8	28.8	29.8	29.3	29.8	28.8	29.8
87.5°	12.0	13.4	14.3	15.2	16.0	16.2	16.4	16.5	17.0	17.2	17.6
90°	9.5	11.2	13.8	16.4	18.9	21.5	20.7	21.5	22.4	23.2	24.9
92.5°	36.9	49.7	72.2	109.2	145.4	132.2	99.7	72.3	57.4	50.7	46.2
95°	78.2	111.8	184.8	312.8	453.7	509.6	413.4	309.4	209.7	164.2	133.2
97.5°	92.8	129.1	198.9	343.3	578.2	789.8	845.0	771.3	617.8	506.9	404.1
100°	103.1	136.6	196.8	324.0	550.0	813.9	983.2	1013.3	943.7	843.1	721.1
102.5°	114.9	145.6	199.6	307.5	508.8	769.2	990.1	1093.7	1091.5	1032.9	955.5
105°	134.1	160.7	207.2	295.7	458.1	691.0	937.6	1117.2	1203.2	1219.5	1197.2
107.5°	155.8	180.5	221.2	294.8	425.8	621.9	845.8	1049.6	1189.1	1264.4	1295.0
110°	170.1	194.2	232.9	298.3	413.4	582.7	788.1	984.9	1143.1	1251.3	1311.5



TEST NUMBER: P332320-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	185.3	208.7	244.6	305.1	406.5	556.6	737.9	920.9	1082.5	1203.9	1281.3
115°	208.0	231.2	263.8	316.2	403.9	528.6	677.3	836.2	985.8	1112.1	1205.7
117.5°	230.5	252.0	284.3	331.1	405.4	512.0	640.6	774.9	904.0	1017.4	1112.4
120°	245.0	266.4	297.4	342.1	408.2	504.5	621.4	742.5	858.6	961.7	1048.5
122.5°	258.0	280.9	311.1	352.4	413.0	499.6	605.5	717.1	822.2	917.7	998.3
125°	277.6	300.8	330.9	368.7	420.3	493.4	585.3	683.3	777.0	859.5	928.2
127.5°	295.8	319.0	348.1	382.1	428.5	490.3	567.4	653.7	737.2	811.7	874.2
130°	306.8	330.0	358.3	391.1	434.0	488.2	557.8	635.2	712.5	782.0	840.5
132.5°	317.1	339.7	367.3	399.3	438.2	487.5	548.8	617.9	689.1	753.9	809.6
135°	330.9	354.0	380.7	409.9	444.4	486.5	537.2	594.7	655.7	711.6	760.6
137.5°	342.9	364.4	390.0	417.8	448.4	484.6	527.0	573.6	623.6	671.8	714.2
140°	349.8	371.3	396.2	422.0	451.2	483.9	520.8	561.2	605.0	646.3	683.3
142.5°	356.6	376.8	401.1	426.1	453.2	482.5	515.3	549.5	587.2	622.9	655.0
145°	365.2	385.0	407.3	430.6	454.6	480.4	507.9	535.5	563.8	591.2	616.2
147.5°	375.2	392.1	412.5	433.3	454.6	477.2	500.7	523.9	546.4	568.6	586.3
150°	380.7	396.2	415.9	434.0	454.6	474.4	495.8	515.7	535.5	553.5	569.8
152.5°	386.2	401.1	418.0	435.4	452.5	471.0	490.4	508.1	525.1	541.1	554.7
155°	395.4	407.3	422.0	435.8	450.3	464.9	482.2	496.7	510.5	523.4	533.7
157.5°	403.2	412.5	424.2	436.6	447.5	459.6	472.9	484.7	496.2	506.2	514.3
160°	407.3	415.9	426.3	436.6	446.1	455.5	466.7	477.9	487.3	495.8	501.9
162.5°	410.8	418.0	427.0	435.9	443.3	451.3	460.5	469.6	477.7	485.6	490.9
165°	415.1	421.1	428.0	434.0	439.2	445.2	452.0	458.9	464.1	470.1	474.4
167.5°	419.0	422.8	427.8	432.7	435.1	439.0	444.0	449.6	453.6	457.0	460.1
170°	421.1	422.8	427.1	430.6	432.3	434.9	439.2	443.5	446.1	449.4	451.2
172.5°	422.5	423.5	427.1	429.9	430.2	431.4	434.4	438.0	439.9	442.6	443.7
175°	423.7	424.6	426.3	428.0	427.1	427.1	428.9	430.6	431.4	433.2	433.2
177.5°	424.6	424.6	425.2	426.6	425.2	424.6	425.2	425.9	426.6	427.3	427.3
180°	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6



TEST NUMBER: P332320-935

CATALOG NUMBER: S123RDIP-S775D1025U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1003.2	1002.9	1003.2	1001.8	1003.2	1002.9	1003.2	1007.5	1007.5	1008.0	1008.3
5°	933.6	933.1	931.8	927.7	931.8	933.1	933.6	934.9	938.5	944.9	943.1
7.5°	872.7	872.1	868.1	868.2	868.1	872.1	872.7	876.2	880.3	884.2	888.7
10°	836.6	837.1	831.7	828.5	831.7	837.1	836.6	839.8	845.7	848.8	852.0
12.5°	801.7	799.6	795.2	791.8	795.2	799.6	801.7	804.1	812.1	815.6	821.7
15°	755.5	751.0	740.2	741.1	740.2	751.0	755.5	753.7	761.8	766.3	768.1
17.5°	701.1	697.8	697.6	691.3	697.6	697.8	701.1	704.7	711.8	716.6	729.5
20°	669.4	667.2	668.0	661.8	668.0	667.2	669.4	676.6	681.1	687.4	697.8
22.5°	644.5	642.3	638.5	636.5	638.5	642.3	644.5	649.5	654.4	663.3	668.9
25°	608.1	604.5	600.9	603.1	600.9	604.5	608.1	610.8	619.8	623.9	632.0
27.5°	571.7	568.9	565.3	564.9	565.3	568.9	571.7	574.3	579.3	586.1	595.8
30°	548.6	545.9	544.1	541.8	544.1	545.9	548.6	550.9	555.8	563.0	570.2
32.5°	525.1	524.6	521.3	520.9	521.3	524.6	525.1	528.8	533.8	540.6	546.8
35°	494.5	491.8	490.9	491.4	490.9	491.8	494.5	496.3	500.8	507.1	513.0
37.5°	465.4	461.8	460.1	458.6	460.1	461.8	465.4	465.6	470.3	474.5	482.4
40°	444.4	440.8	440.0	439.0	440.0	440.8	444.4	444.0	449.0	452.1	459.3
42.5°	421.0	419.6	419.0	417.4	419.0	419.6	421.0	423.4	426.3	430.8	436.3
45°	389.0	388.6	385.9	386.8	385.9	388.6	389.0	390.4	395.4	398.5	403.5
47.5°	355.3	353.4	351.5	352.7	351.5	353.4	355.3	357.1	360.4	364.3	370.9
50°	332.3	331.3	327.3	328.1	327.3	331.3	332.3	334.1	336.3	341.2	347.1
52.5°	309.2	305.7	304.2	303.7	304.2	305.7	309.2	310.9	313.6	319.3	323.6
55°	271.0	266.8	265.0	264.2	265.0	266.8	271.0	274.1	277.7	284.0	288.5
57.5°	233.4	232.3	230.9	231.9	230.9	232.3	233.4	238.7	242.2	247.1	252.6
60°	211.4	211.4	211.4	210.9	211.4	211.4	211.4	215.9	219.0	224.0	229.9
62.5°	194.5	193.4	193.0	193.6	193.0	193.4	194.5	196.5	199.6	202.8	207.9
65°	168.6	168.2	166.3	165.9	166.3	168.2	168.6	170.0	172.6	174.9	178.5
67.5°	144.1	142.5	142.0	141.4	142.0	142.5	144.1	145.3	147.1	150.0	151.8
70°	125.8	124.8	122.2	122.6	122.2	124.8	125.8	128.0	129.8	133.5	135.3
72.5°	105.9	105.0	104.5	103.8	104.5	105.0	105.9	108.2	109.9	114.0	116.8
75°	83.9	83.4	82.9	84.7	82.9	83.4	83.9	84.3	84.7	86.1	87.5
77.5°	67.2	67.2	67.4	66.7	67.4	67.2	67.2	67.2	67.2	67.8	68.2
80°	56.3	56.3	55.9	55.9	55.9	56.3	56.3	56.3	56.3	56.3	55.9
82.5°	45.2	45.5	45.8	45.1	45.8	45.5	45.2	45.9	46.2	45.5	45.8
85°	29.8	29.3	30.2	29.8	30.2	29.3	29.8	29.8	28.8	29.8	29.3
87.5°	18.2	17.6	17.7	18.0	17.7	17.6	18.2	17.6	17.2	17.0	16.5
90°	24.0	24.9	25.7	24.9	25.7	24.9	24.0	24.9	23.2	22.4	21.5
92.5°	44.7	42.1	43.0	41.4	43.0	42.1	44.7	46.2	50.7	57.4	72.3
95°	116.9	109.2	103.1	99.7	103.1	109.2	116.9	133.2	164.2	209.7	309.4
97.5°	340.7	302.0	278.8	271.4	278.8	302.0	340.7	404.1	506.9	617.8	771.3
100°	634.3	571.5	538.0	538.9	538.0	571.5	634.3	721.1	843.1	943.7	1013.3
102.5°	887.9	838.3	810.3	790.5	810.3	838.3	887.9	955.5	1032.9	1091.5	1093.7
105°	1157.6	1125.0	1097.5	1093.2	1097.5	1125.0	1157.6	1197.2	1219.5	1203.2	1117.2
107.5°	1295.7	1284.7	1275.4	1267.5	1275.4	1284.7	1295.7	1295.0	1264.4	1189.1	1049.6
110°	1335.6	1342.5	1340.7	1339.0	1340.7	1342.5	1335.6	1311.5	1251.3	1143.1	984.9



TEST NUMBER: P332320-935

CATALOG NUMBER: S123RDIP-S775D1025U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1325.3	1346.5	1353.1	1353.4	1353.1	1346.5	1325.3	1281.3	1203.9	1082.5	920.9
115°	1270.2	1308.0	1325.3	1329.6	1325.3	1308.0	1270.2	1205.7	1112.1	985.8	836.2
117.5°	1179.7	1223.0	1247.8	1253.5	1247.8	1223.0	1179.7	1112.4	1017.4	904.0	774.9
120°	1116.4	1164.5	1185.2	1190.3	1185.2	1164.5	1116.4	1048.5	961.7	858.6	742.5
122.5°	1058.7	1102.0	1124.6	1131.2	1124.6	1102.0	1058.7	998.3	917.7	822.2	717.1
125°	983.2	1021.0	1042.5	1048.5	1042.5	1021.0	983.2	928.2	859.5	777.0	683.3
127.5°	923.2	955.5	974.9	980.4	974.9	955.5	923.2	874.2	811.7	737.2	653.7
130°	886.1	917.1	935.0	941.9	935.0	917.1	886.1	840.5	782.0	712.5	635.2
132.5°	852.4	883.3	899.3	904.1	899.3	883.3	852.4	809.6	753.9	689.1	617.9
135°	802.7	828.5	844.0	850.0	844.0	828.5	802.7	760.6	711.6	655.7	594.7
137.5°	749.6	775.8	788.8	792.7	788.8	775.8	749.6	714.2	671.8	623.6	573.6
140°	715.9	739.9	753.7	752.9	753.7	739.9	715.9	683.3	646.3	605.0	561.2
142.5°	682.9	704.2	716.6	715.7	716.6	704.2	682.9	655.0	622.9	587.2	549.5
145°	637.7	655.7	662.6	664.3	662.6	655.7	637.7	616.2	591.2	563.8	535.5
147.5°	602.6	614.8	621.4	622.1	621.4	614.8	602.6	586.3	568.6	546.4	523.9
150°	582.7	592.1	597.3	597.3	597.3	592.1	582.7	569.8	553.5	535.5	515.7
152.5°	564.8	573.6	576.7	576.7	576.7	573.6	564.8	554.7	541.1	525.1	508.1
155°	541.5	548.3	550.0	550.9	550.0	548.3	541.5	533.7	523.4	510.5	496.7
157.5°	521.0	526.2	527.5	527.4	527.5	526.2	521.0	514.3	506.2	496.2	484.7
160°	507.9	513.1	513.1	512.2	513.1	513.1	507.9	501.9	495.8	487.3	477.9
162.5°	494.9	499.3	499.3	498.4	499.3	499.3	494.9	490.9	485.6	477.7	469.6
165°	477.9	481.3	480.4	480.4	480.4	481.3	477.9	474.4	470.1	464.1	458.9
167.5°	461.7	464.1	463.2	463.2	463.2	464.1	461.7	460.1	457.0	453.6	449.6
170°	452.0	453.7	452.9	452.9	452.9	453.7	452.0	451.2	449.4	446.1	443.5
172.5°	443.8	445.6	444.0	443.3	444.0	445.6	443.8	443.7	442.6	439.9	438.0
175°	433.2	434.0	433.2	432.3	433.2	434.0	433.2	433.2	433.2	431.4	430.6
177.5°	426.6	427.3	425.9	425.9	425.9	427.3	426.6	427.3	427.3	426.6	425.9
180°	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6



TEST NUMBER: P332320-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1005.0	1010.1	1015.1	1019.9	1027.1	1030.3	1035.0	1036.8	1042.2	1050.2	1056.6
5°	943.9	951.1	960.6	968.3	980.4	989.9	1000.3	1010.2	1021.9	1038.6	1053.4
7.5°	892.1	899.2	910.6	924.8	938.2	951.7	965.9	979.4	996.1	1020.0	1043.7
10°	857.8	866.4	879.9	895.3	911.9	925.0	941.7	958.8	979.6	1007.0	1035.4
12.5°	828.3	834.7	850.3	865.0	883.8	900.4	916.8	936.8	960.4	989.7	1023.9
15°	781.2	790.2	805.6	821.7	841.6	859.2	880.4	904.7	927.7	963.8	1005.2
17.5°	733.9	747.7	763.6	782.0	796.6	820.9	843.9	868.8	897.2	935.4	980.9
20°	703.7	714.5	729.4	756.0	775.3	793.8	815.0	846.1	872.3	915.5	962.9
22.5°	678.0	686.0	702.7	724.6	747.2	768.6	790.1	819.8	852.0	893.2	944.4
25°	640.1	652.7	665.4	681.1	705.5	731.2	754.6	779.8	814.1	857.8	913.3
27.5°	603.0	614.5	627.0	646.4	664.8	688.8	713.3	742.3	779.0	825.3	881.6
30°	579.3	587.8	599.5	624.3	641.0	661.8	690.6	716.3	750.5	799.7	859.2
32.5°	554.7	565.8	578.6	597.6	618.3	637.9	664.3	692.2	727.1	775.5	836.5
35°	519.8	532.8	545.9	559.8	580.6	600.9	622.9	653.6	689.2	736.2	796.1
37.5°	487.6	498.1	508.8	526.1	545.7	565.0	585.7	615.9	649.4	700.0	754.9
40°	467.0	476.5	484.6	502.7	521.5	542.3	562.6	589.2	625.3	672.5	725.7
42.5°	444.6	453.4	464.4	479.1	499.6	517.0	537.4	562.5	596.4	644.5	691.1
45°	411.1	421.0	430.5	444.4	464.8	481.9	499.9	523.8	558.5	598.2	639.6
47.5°	376.3	386.2	396.9	410.4	428.2	445.6	463.6	484.7	516.4	555.3	583.3
50°	353.9	362.0	372.8	386.3	402.5	421.0	437.2	460.2	490.4	521.1	545.4
52.5°	330.8	338.2	350.4	364.7	379.8	395.8	413.1	432.8	460.1	489.0	508.3
55°	294.8	303.8	314.2	328.1	343.0	356.5	373.2	393.6	415.2	436.8	449.9
57.5°	261.1	268.6	277.4	291.8	304.7	320.9	335.8	351.6	371.6	388.0	396.5
60°	236.7	243.4	254.7	267.3	279.5	293.4	310.6	326.4	341.7	354.7	361.5
62.5°	213.6	221.4	231.3	242.8	256.1	269.3	284.3	297.5	311.0	322.3	326.9
65°	183.5	189.8	197.0	207.8	218.6	232.1	243.8	257.4	267.3	273.6	277.7
67.5°	156.1	160.2	165.7	172.9	183.6	195.4	206.7	217.3	225.6	229.9	233.5
70°	138.4	141.1	145.2	152.4	160.5	170.8	182.5	190.2	197.4	201.0	204.7
72.5°	120.7	124.2	127.9	133.6	140.3	147.7	156.3	165.7	169.7	174.0	176.2
75°	91.5	96.4	101.4	105.0	109.5	115.4	123.0	128.9	131.2	134.7	135.3
77.5°	69.1	70.2	73.8	78.3	82.1	86.3	91.2	96.3	97.5	99.4	100.6
80°	56.8	56.8	56.8	59.5	64.0	67.2	71.6	74.4	76.2	76.6	77.1
82.5°	45.6	45.6	45.3	45.8	47.4	49.2	53.3	56.3	57.8	57.5	56.6
85°	29.8	28.8	28.8	28.4	28.8	28.0	27.5	29.3	32.0	32.0	31.1
87.5°	16.4	16.2	16.0	15.2	14.3	13.4	12.0	12.0	11.5	12.6	11.9
90°	20.7	21.5	18.9	16.4	13.8	11.2	9.5	7.7	5.2	3.4	1.7
92.5°	99.7	132.2	145.4	109.2	72.2	49.7	36.9	29.7	23.1	15.8	10.7
95°	413.4	509.6	453.7	312.8	184.8	111.8	78.2	55.9	41.2	31.8	29.2
97.5°	845.0	789.8	578.2	343.3	198.9	129.1	92.8	70.8	58.1	50.7	49.9
100°	983.2	813.9	550.0	324.0	196.8	136.6	103.1	82.5	70.5	64.5	63.6
102.5°	990.1	769.2	508.8	307.5	199.6	145.6	114.9	96.3	84.9	79.6	78.0
105°	937.6	691.0	458.1	295.7	207.2	160.7	134.1	117.8	107.5	102.3	99.7
107.5°	845.8	621.9	425.8	294.8	221.2	180.5	155.8	140.4	130.3	125.3	122.7
110°	788.1	582.7	413.4	298.3	232.9	194.2	170.1	155.6	146.1	141.8	139.2



TEST NUMBER: P332320-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	737.9	556.6	406.5	305.1	244.6	208.7	185.3	170.7	161.3	157.0	154.4
115°	677.3	528.6	403.9	316.2	263.8	231.2	208.0	193.4	184.8	179.6	176.2
117.5°	640.6	512.0	405.4	331.1	284.3	252.0	230.5	214.1	206.3	202.0	198.0
120°	621.4	504.5	408.2	342.1	297.4	266.4	245.0	228.6	220.0	215.7	213.1
122.5°	605.5	499.6	413.0	352.4	311.1	280.9	258.0	242.4	233.1	228.8	226.2
125°	585.3	493.4	420.3	368.7	330.9	300.8	277.6	261.2	251.8	246.7	245.0
127.5°	567.4	490.3	428.5	382.1	348.1	319.0	295.8	277.8	268.1	261.7	259.2
130°	557.8	488.2	434.0	391.1	358.3	330.0	306.8	288.8	278.4	270.7	268.1
132.5°	548.8	487.5	438.2	399.3	367.3	339.7	317.1	299.1	286.7	278.3	275.0
135°	537.2	486.5	444.4	409.9	380.7	354.0	330.9	312.8	300.0	290.5	287.1
137.5°	527.0	484.6	448.4	417.8	390.0	364.4	342.9	325.0	311.3	302.0	298.4
140°	520.8	483.9	451.2	422.0	396.2	371.3	349.8	332.6	318.8	310.2	306.0
142.5°	515.3	482.5	453.2	426.1	401.1	376.8	356.6	339.5	327.1	317.8	314.2
145°	507.9	480.4	454.6	430.6	407.3	385.0	365.2	350.7	337.8	330.0	327.4
147.5°	500.7	477.2	454.6	433.3	412.5	392.1	375.2	361.1	350.0	342.4	340.9
150°	495.8	474.4	454.6	434.0	415.9	396.2	380.7	368.7	357.5	350.7	349.8
152.5°	490.4	471.0	452.5	435.4	418.0	401.1	386.2	375.6	365.8	358.9	358.7
155°	482.2	464.9	450.3	435.8	422.0	407.3	395.4	385.9	377.3	372.1	372.1
157.5°	472.9	459.6	447.5	436.6	424.2	412.5	403.2	395.2	387.6	383.5	382.8
160°	466.7	455.5	446.1	436.6	426.3	415.9	407.3	401.3	394.5	391.1	391.1
162.5°	460.5	451.3	443.3	435.9	427.0	418.0	410.8	405.4	400.0	397.3	397.3
165°	452.0	445.2	439.2	434.0	428.0	421.1	415.1	411.6	407.3	405.6	406.5
167.5°	444.0	439.0	435.1	432.7	427.8	422.8	419.0	416.6	413.4	412.5	413.5
170°	439.2	434.9	432.3	430.6	427.1	422.8	421.1	419.4	416.8	415.9	417.7
172.5°	434.4	431.4	430.2	429.9	427.1	423.5	422.5	421.5	419.6	419.4	420.4
175°	428.9	427.1	427.1	428.0	426.3	424.6	423.7	423.7	422.0	422.8	423.7
177.5°	425.2	424.6	425.2	426.6	425.2	424.6	424.6	424.6	423.9	424.6	425.2
180°	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6



TEST NUMBER: P332320-935

CATALOG NUMBER: S123RDIP-S775D1025U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1058.8	1062.7	1067.8	1075.4	1081.2	1086.2	1087.3	1088.7	1092.4	1098.5	1103.1
5°	1065.7	1076.0	1092.7	1108.9	1126.5	1140.9	1154.4	1163.9	1172.9	1191.9	1207.2
7.5°	1063.5	1086.6	1112.7	1141.9	1171.3	1199.9	1226.4	1250.1	1273.7	1301.3	1332.7
10°	1062.0	1089.1	1124.2	1161.7	1202.6	1242.8	1281.6	1311.7	1346.9	1378.5	1418.6
12.5°	1055.2	1094.2	1136.2	1184.0	1234.4	1280.7	1331.7	1373.5	1413.7	1459.2	1505.9
15°	1046.3	1093.6	1146.8	1210.3	1286.9	1342.9	1395.2	1467.7	1517.3	1566.9	1633.6
17.5°	1029.9	1087.7	1154.2	1236.7	1300.7	1375.8	1454.5	1511.8	1578.6	1648.5	1708.9
20°	1016.9	1084.1	1158.5	1239.7	1321.2	1402.8	1479.0	1547.5	1616.5	1697.2	1746.8
22.5°	1004.0	1070.4	1147.7	1233.9	1321.5	1407.5	1493.7	1574.2	1651.8	1733.3	1796.6
25°	976.4	1055.2	1139.1	1227.0	1313.5	1408.3	1511.0	1600.7	1696.7	1780.5	1840.6
27.5°	948.4	1020.7	1104.2	1193.3	1289.6	1401.4	1522.3	1624.4	1720.5	1780.5	1799.4
30°	923.2	999.8	1076.4	1167.1	1271.2	1396.0	1524.5	1641.2	1720.2	1746.3	1726.9
32.5°	897.6	967.0	1042.9	1135.7	1246.3	1382.7	1527.4	1631.2	1678.7	1658.7	1579.8
35°	852.4	915.1	988.5	1081.4	1208.5	1375.4	1515.5	1585.8	1574.1	1461.4	1312.7
37.5°	804.1	855.1	923.2	1020.3	1169.4	1346.0	1464.3	1474.6	1373.2	1200.2	1028.4
40°	765.9	811.8	881.8	983.2	1139.1	1317.2	1412.7	1370.8	1213.5	1021.0	877.7
42.5°	728.8	767.5	834.8	944.2	1110.3	1277.9	1335.9	1244.6	1063.1	881.1	750.7
45°	665.8	702.3	769.9	882.2	1051.2	1202.6	1195.0	1036.3	854.7	708.2	599.9
47.5°	606.1	638.0	701.5	816.1	981.9	1089.9	1018.3	849.5	695.3	577.8	500.7
50°	564.0	595.5	658.6	771.7	926.3	1005.2	902.9	740.2	599.1	501.7	440.4
52.5°	523.6	554.4	612.1	722.3	859.3	906.5	796.5	645.7	528.1	444.0	391.3
55°	467.0	490.4	542.3	647.7	750.1	761.0	649.5	523.3	426.5	367.8	331.7
57.5°	409.4	429.6	480.8	564.8	636.6	631.0	525.5	416.2	350.9	307.5	281.3
60°	371.9	391.8	436.8	508.9	563.0	544.1	447.2	359.3	303.3	271.4	250.6
62.5°	336.9	352.4	394.6	447.3	486.2	464.8	382.3	309.5	265.2	238.2	221.8
65°	286.3	298.9	332.7	360.2	381.8	361.1	292.6	242.0	210.1	191.1	179.9
67.5°	238.1	246.2	267.5	277.4	292.7	269.9	220.0	186.1	168.0	152.0	144.1
70°	207.8	213.7	225.0	233.1	237.1	213.7	176.7	151.9	136.6	125.3	120.4
72.5°	177.5	182.6	184.9	191.6	189.5	167.6	142.1	122.3	111.3	103.7	97.3
75°	135.7	137.9	135.7	132.9	127.1	111.8	94.2	84.3	76.2	72.6	70.3
77.5°	98.9	98.2	95.1	90.8	80.8	71.2	61.7	58.5	54.9	53.0	52.2
80°	76.2	74.4	71.6	64.9	56.3	49.6	47.4	45.1	43.7	41.5	41.0
82.5°	56.7	55.6	51.1	45.5	39.4	36.2	34.4	33.6	32.2	31.0	30.9
85°	30.2	28.8	23.8	20.8	19.8	18.9	18.5	18.5	16.7	16.2	16.2
87.5°	10.4	8.6	8.8	8.0	8.4	8.2	9.0	8.9	9.0	9.2	8.6
90°	3.4	5.2	7.7	9.5	11.2	13.8	16.4	18.9	21.5	20.7	21.5
92.5°	15.8	23.1	29.7	36.9	49.7	72.2	109.2	145.4	132.2	99.7	72.3
95°	31.8	41.2	55.9	78.2	111.8	184.8	312.8	453.7	509.6	413.4	309.4
97.5°	50.7	58.1	70.8	92.8	129.1	198.9	343.3	578.2	789.8	845.0	771.3
100°	64.5	70.5	82.5	103.1	136.6	196.8	324.0	550.0	813.9	983.2	1013.3
102.5°	79.6	84.9	96.3	114.9	145.6	199.6	307.5	508.8	769.2	990.1	1093.7
105°	102.3	107.5	117.8	134.1	160.7	207.2	295.7	458.1	691.0	937.6	1117.2
107.5°	125.3	130.3	140.4	155.8	180.5	221.2	294.8	425.8	621.9	845.8	1049.6
110°	141.8	146.1	155.6	170.1	194.2	232.9	298.3	413.4	582.7	788.1	984.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	157.0	161.3	170.7	185.3	208.7	244.6	305.1	406.5	556.6	737.9	920.9
115°	179.6	184.8	193.4	208.0	231.2	263.8	316.2	403.9	528.6	677.3	836.2
117.5°	202.0	206.3	214.1	230.5	252.0	284.3	331.1	405.4	512.0	640.6	774.9
120°	215.7	220.0	228.6	245.0	266.4	297.4	342.1	408.2	504.5	621.4	742.5
122.5°	228.8	233.1	242.4	258.0	280.9	311.1	352.4	413.0	499.6	605.5	717.1
125°	246.7	251.8	261.2	277.6	300.8	330.9	368.7	420.3	493.4	585.3	683.3
127.5°	261.7	268.1	277.8	295.8	319.0	348.1	382.1	428.5	490.3	567.4	653.7
130°	270.7	278.4	288.8	306.8	330.0	358.3	391.1	434.0	488.2	557.8	635.2
132.5°	278.3	286.7	299.1	317.1	339.7	367.3	399.3	438.2	487.5	548.8	617.9
135°	290.5	300.0	312.8	330.9	354.0	380.7	409.9	444.4	486.5	537.2	594.7
137.5°	302.0	311.3	325.0	342.9	364.4	390.0	417.8	448.4	484.6	527.0	573.6
140°	310.2	318.8	332.6	349.8	371.3	396.2	422.0	451.2	483.9	520.8	561.2
142.5°	317.8	327.1	339.5	356.6	376.8	401.1	426.1	453.2	482.5	515.3	549.5
145°	330.0	337.8	350.7	365.2	385.0	407.3	430.6	454.6	480.4	507.9	535.5
147.5°	342.4	350.0	361.1	375.2	392.1	412.5	433.3	454.6	477.2	500.7	523.9
150°	350.7	357.5	368.7	380.7	396.2	415.9	434.0	454.6	474.4	495.8	515.7
152.5°	358.9	365.8	375.6	386.2	401.1	418.0	435.4	452.5	471.0	490.4	508.1
155°	372.1	377.3	385.9	395.4	407.3	422.0	435.8	450.3	464.9	482.2	496.7
157.5°	383.5	387.6	395.2	403.2	412.5	424.2	436.6	447.5	459.6	472.9	484.7
160°	391.1	394.5	401.3	407.3	415.9	426.3	436.6	446.1	455.5	466.7	477.9
162.5°	397.3	400.0	405.4	410.8	418.0	427.0	435.9	443.3	451.3	460.5	469.6
165°	405.6	407.3	411.6	415.1	421.1	428.0	434.0	439.2	445.2	452.0	458.9
167.5°	412.5	413.4	416.6	419.0	422.8	427.8	432.7	435.1	439.0	444.0	449.6
170°	415.9	416.8	419.4	421.1	422.8	427.1	430.6	432.3	434.9	439.2	443.5
172.5°	419.4	419.6	421.5	422.5	423.5	427.1	429.9	430.2	431.4	434.4	438.0
175°	422.8	422.0	423.7	423.7	424.6	426.3	428.0	427.1	427.1	428.9	430.6
177.5°	424.6	423.9	424.6	424.6	424.6	425.2	426.6	425.2	424.6	425.2	425.9
180°	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6	424.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1110.7	1110.7	1112.2	1117.6	1118.3	1123.0	1121.5
5°	1220.7	1229.2	1232.4	1246.0	1254.0	1257.7	1250.4
7.5°	1355.2	1379.4	1390.9	1405.0	1417.6	1421.3	1411.4
10°	1453.3	1478.5	1499.8	1512.8	1525.0	1533.1	1543.4
12.5°	1548.2	1579.2	1599.3	1617.7	1630.3	1640.5	1642.3
15°	1651.2	1698.1	1733.7	1759.8	1772.9	1779.7	1776.9
17.5°	1755.1	1798.6	1823.9	1850.6	1868.7	1869.7	1870.2
20°	1814.0	1856.3	1885.6	1905.4	1925.7	1924.9	1929.3
22.5°	1853.2	1886.6	1909.0	1923.5	1930.4	1927.0	1927.9
25°	1871.6	1881.5	1877.5	1854.5	1848.7	1827.5	1831.1
27.5°	1776.8	1729.9	1681.4	1619.0	1569.8	1530.5	1532.5
30°	1648.0	1565.1	1470.4	1391.1	1319.9	1300.0	1257.7
32.5°	1468.1	1343.7	1232.8	1158.8	1097.7	1081.2	1044.2
35°	1163.0	1042.2	928.2	859.6	832.6	794.7	794.3
37.5°	904.0	797.6	737.3	685.9	658.9	636.0	633.8
40°	760.4	677.5	632.0	595.0	568.4	551.3	547.3
42.5°	660.2	593.1	550.5	527.6	507.1	498.3	491.7
45°	539.2	494.0	464.3	443.6	434.1	427.3	423.7
47.5°	451.0	420.8	400.5	386.7	379.0	371.9	373.8
50°	403.0	378.2	363.3	350.3	344.4	339.4	339.9
52.5°	364.4	342.2	330.1	320.7	313.4	309.9	308.2
55°	309.3	295.2	283.1	276.3	272.2	267.3	266.0
57.5°	263.8	253.0	243.1	235.4	234.4	229.6	230.2
60°	233.5	224.5	216.4	212.3	209.1	205.1	206.5
62.5°	208.6	201.0	193.6	190.3	187.2	184.2	184.9
65°	170.8	163.6	159.1	157.3	155.9	154.6	153.3
67.5°	136.1	131.7	128.9	125.0	122.3	121.8	120.5
70°	114.5	108.7	103.7	98.8	97.4	96.9	97.4
72.5°	91.8	88.1	86.7	84.3	84.0	82.8	83.7
75°	69.0	67.6	66.7	64.9	64.9	64.9	64.9
77.5°	50.9	50.0	49.5	49.2	48.6	48.0	48.0
80°	39.7	39.2	38.3	38.3	37.9	38.3	37.9
82.5°	30.0	29.9	28.9	28.9	28.5	28.2	28.5
85°	15.3	14.9	15.8	14.9	15.3	14.5	15.3
87.5°	8.8	9.0	9.0	8.8	8.6	9.5	8.6
90°	22.4	23.2	24.9	24.0	24.9	25.7	24.9
92.5°	57.4	50.7	46.2	44.7	42.1	43.0	41.4
95°	209.7	164.2	133.2	116.9	109.2	103.1	99.7
97.5°	617.8	506.9	404.1	340.7	302.0	278.8	271.4
100°	943.7	843.1	721.1	634.3	571.5	538.0	538.9
102.5°	1091.5	1032.9	955.5	887.9	838.3	810.3	790.5
105°	1203.2	1219.5	1197.2	1157.6	1125.0	1097.5	1093.2
107.5°	1189.1	1264.4	1295.0	1295.7	1284.7	1275.4	1267.5
110°	1143.1	1251.3	1311.5	1335.6	1342.5	1340.7	1339.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1082.5	1203.9	1281.3	1325.3	1346.5	1353.1	1353.4
115°	985.8	1112.1	1205.7	1270.2	1308.0	1325.3	1329.6
117.5°	904.0	1017.4	1112.4	1179.7	1223.0	1247.8	1253.5
120°	858.6	961.7	1048.5	1116.4	1164.5	1185.2	1190.3
122.5°	822.2	917.7	998.3	1058.7	1102.0	1124.6	1131.2
125°	777.0	859.5	928.2	983.2	1021.0	1042.5	1048.5
127.5°	737.2	811.7	874.2	923.2	955.5	974.9	980.4
130°	712.5	782.0	840.5	886.1	917.1	935.0	941.9
132.5°	689.1	753.9	809.6	852.4	883.3	899.3	904.1
135°	655.7	711.6	760.6	802.7	828.5	844.0	850.0
137.5°	623.6	671.8	714.2	749.6	775.8	788.8	792.7
140°	605.0	646.3	683.3	715.9	739.9	753.7	752.9
142.5°	587.2	622.9	655.0	682.9	704.2	716.6	715.7
145°	563.8	591.2	616.2	637.7	655.7	662.6	664.3
147.5°	546.4	568.6	586.3	602.6	614.8	621.4	622.1
150°	535.5	553.5	569.8	582.7	592.1	597.3	597.3
152.5°	525.1	541.1	554.7	564.8	573.6	576.7	576.7
155°	510.5	523.4	533.7	541.5	548.3	550.0	550.9
157.5°	496.2	506.2	514.3	521.0	526.2	527.5	527.4
160°	487.3	495.8	501.9	507.9	513.1	513.1	512.2
162.5°	477.7	485.6	490.9	494.9	499.3	499.3	498.4
165°	464.1	470.1	474.4	477.9	481.3	480.4	480.4
167.5°	453.6	457.0	460.1	461.7	464.1	463.2	463.2
170°	446.1	449.4	451.2	452.0	453.7	452.9	452.9
172.5°	439.9	442.6	443.7	443.8	445.6	444.0	443.3
175°	431.4	433.2	433.2	433.2	434.0	433.2	432.3
177.5°	426.6	427.3	427.3	426.6	427.3	425.9	425.9
180°	424.6	424.6	424.6	424.6	424.6	424.6	424.6

(END OF REPORT)