

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: P332308-935

Luminaire Tested: **S123RDIP-S775D585U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332308-935
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-S775D585U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4448.9 lumens
Efficiency: N/A
Efficacy: 110.4 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

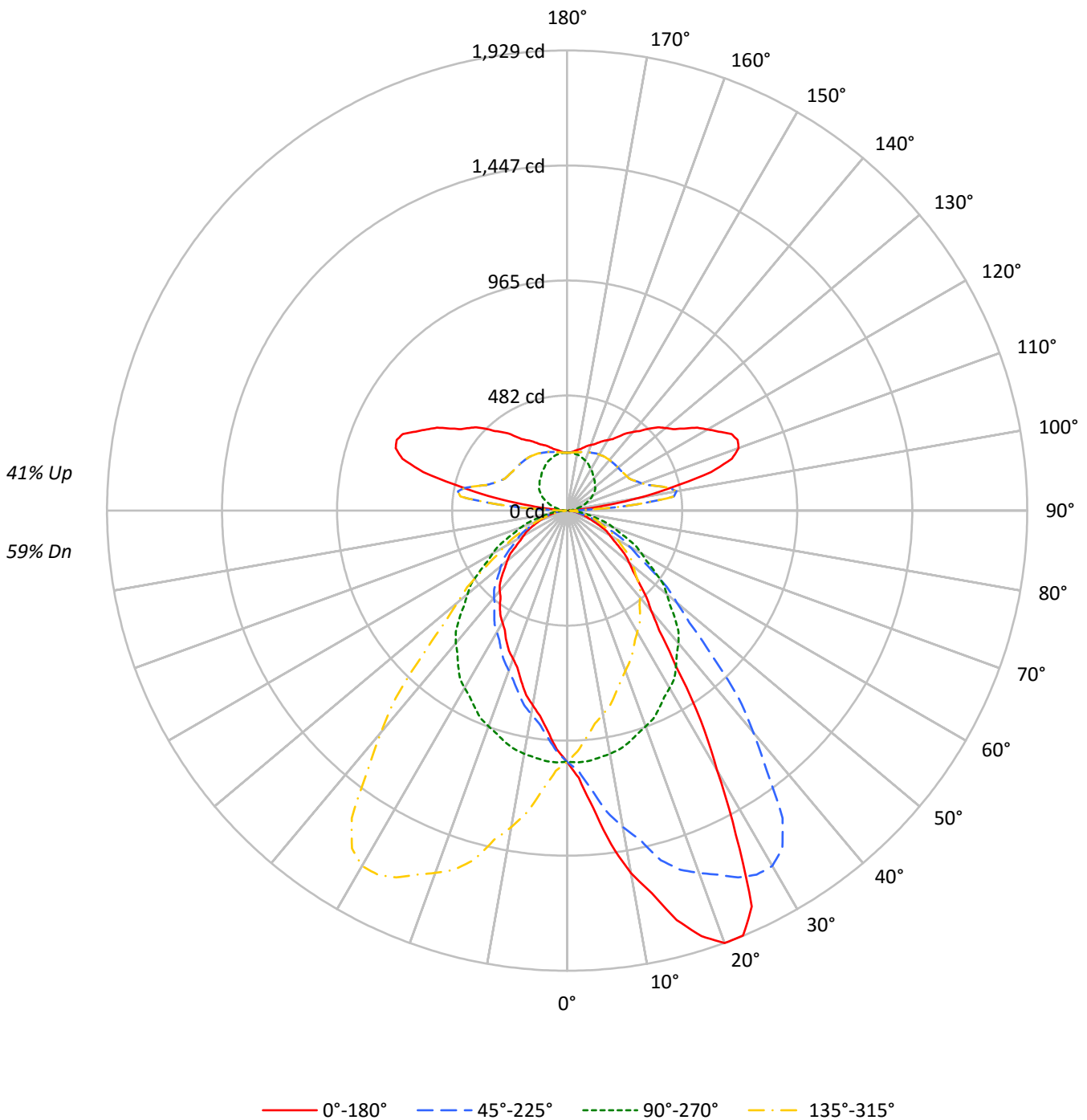
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59								
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51								
2	92	85	79	74	86	80	75	70	70	66	62	60	58	55	52	50	48	44								
3	84	75	68	63	79	71	64	59	62	57	53	54	50	47	47	44	42	38								
4	78	67	59	54	72	63	56	51	56	50	46	49	44	41	42	39	36	33								
5	72	60	52	46	67	57	50	44	50	44	40	44	40	36	38	35	32	29								
6	66	54	46	41	62	51	44	39	45	40	35	40	35	32	35	31	29	26								
7	61	49	41	36	57	47	39	34	41	36	31	37	32	29	32	28	26	23								
8	57	45	37	32	53	42	36	31	38	32	28	34	29	26	30	26	23	21								
9	53	41	34	29	50	39	32	28	35	29	25	31	26	23	27	24	21	19								
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17								

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	2.3
10°-20°	323.5	7.3
20°-30°	508.3	11.4
30°-40°	530.3	11.9
40°-50°	453.8	10.2
50°-60°	345.9	7.8
60°-70°	221.7	5.0
70°-80°	106.6	2.4
80°-90°	30.1	0.7
90°-100°	135.0	3.0
100°-110°	382.3	8.6
110°-120°	376.1	8.5
120°-130°	300.0	6.7
130°-140°	236.5	5.3
140°-150°	176.5	4.0
150°-160°	123.0	2.8
160°-170°	72.3	1.6
170°-180°	23.5	0.5
0°-30°	935.3	21.0
0°-40°	1465.6	32.9
0°-60°	2265.3	50.9
0°-90°	2623.7	59.0
90°-120°	893.4	20.1
90°-150°	1606.4	36.1
90°-180°	1825.0	41.0
0°-180°	4448.9	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°	14	1	14	1	14	8
95°	57	17	57	17	57	103
105°	625	57	625	57	625	616
115°	760	101	760	101	760	738
125°	599	140	599	140	599	543
135°	486	164	486	164	486	377
145°	380	187	380	187	380	241
155°	315	213	315	213	315	147
165°	274	232	274	232	274	78
175°	247	242	247	242	247	24
180°	243	243	243	243	243	



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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°	6.5	7.2	6.5	6.7	6.8	7.0	6.9	6.8	7.4	7.1	7.2
90°	14.2	14.7	14.2	13.8	14.2	13.3	12.7	12.3	11.8	12.3	10.8
92.5°	23.7	24.5	24.0	25.6	26.4	29.0	32.8	41.3	57.0	75.5	83.1
95°	57.0	58.9	62.3	66.8	76.1	93.8	119.9	176.8	236.2	291.2	259.3
97.5°	155.1	159.3	172.5	194.7	230.9	289.6	353.0	440.7	482.8	451.3	330.4
100°	307.9	307.5	326.6	362.4	412.0	481.7	539.2	579.0	561.8	465.0	314.3
102.5°	451.7	463.0	479.0	507.4	546.0	590.2	623.7	625.0	565.8	439.5	290.8
105°	624.7	627.2	642.8	661.5	684.1	696.9	687.5	638.4	535.8	394.9	261.7
107.5°	724.3	728.8	734.1	740.4	739.9	722.5	679.5	599.7	483.4	355.3	243.3
110°	765.1	766.1	767.1	763.2	749.4	715.1	653.2	562.7	450.3	332.9	236.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	773.4	773.2	769.5	757.2	732.1	687.9	618.5	526.2	421.6	318.1	232.3
115°	759.7	757.2	747.4	725.8	689.0	635.5	563.3	477.9	387.0	302.0	230.8
117.5°	716.3	713.0	698.8	674.1	635.7	581.3	516.5	442.7	366.1	292.6	231.7
120°	680.2	677.2	665.5	637.9	599.2	549.5	490.6	424.3	355.1	288.3	233.2
122.5°	646.4	642.7	629.6	604.9	570.4	524.3	469.8	409.7	346.0	285.5	236.0
125°	599.2	595.7	583.4	561.8	530.4	491.1	443.9	390.4	334.4	281.9	240.1
127.5°	560.3	557.1	546.0	527.5	499.6	463.8	421.3	373.5	324.3	280.1	244.9
130°	538.2	534.3	524.0	506.4	480.3	446.9	407.1	362.9	318.7	279.0	248.0
132.5°	516.6	513.8	504.7	487.1	462.6	430.8	393.7	353.1	313.6	278.5	250.4
135°	485.7	482.2	473.4	458.7	434.6	406.7	374.7	339.8	306.9	277.9	253.9
137.5°	453.0	450.7	443.2	428.3	408.1	383.8	356.4	327.8	301.2	276.9	256.2
140°	430.2	430.7	422.8	409.1	390.4	369.3	345.7	320.7	297.6	276.5	257.8
142.5°	409.0	409.5	402.4	390.2	374.3	355.9	335.5	314.0	294.5	275.7	259.0
145°	379.6	378.7	374.7	364.4	352.1	337.9	322.2	305.9	290.2	274.5	259.8
147.5°	355.4	355.1	351.3	344.3	335.0	324.9	312.2	299.4	286.1	272.7	259.8
150°	341.3	341.3	338.4	332.9	325.6	316.2	305.9	294.6	283.4	271.0	259.8
152.5°	329.5	329.5	327.8	322.7	316.9	309.2	300.1	290.3	280.3	269.1	258.6
155°	314.8	314.3	313.3	309.4	305.0	299.1	291.7	283.9	275.5	265.7	257.4
157.5°	301.4	301.4	300.7	297.7	293.9	289.3	283.5	277.0	270.2	262.6	255.6
160°	292.7	293.2	293.2	290.2	286.8	283.4	278.4	273.0	266.7	260.3	254.9
162.5°	284.8	285.3	285.3	282.8	280.5	277.5	272.9	268.4	263.1	258.0	253.3
165°	274.5	274.5	275.0	273.0	271.0	268.6	265.2	262.3	258.3	254.4	251.0
167.5°	264.7	264.7	265.2	263.8	262.9	261.1	259.2	256.9	253.7	250.8	248.6
170°	258.8	258.8	259.3	258.3	257.8	256.8	254.9	253.4	251.0	248.5	247.0
172.5°	253.3	253.7	254.6	253.6	253.5	252.9	251.3	250.3	248.2	246.5	245.8
175°	247.0	247.5	248.0	247.5	247.5	247.5	246.5	246.1	245.0	244.1	244.1
177.5°	243.4	243.4	244.2	243.7	244.2	244.2	243.7	243.4	243.0	242.6	243.0
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



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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°	7.7	7.0	7.4	7.2	8.1	8.2	10.2	11.7	12.3	11.0	11.4
90°	9.3	7.8	6.4	5.4	4.4	2.9	2.0	0.9	2.0	2.9	4.4
92.5°	62.3	41.2	28.4	21.1	17.0	13.2	9.0	6.1	9.0	13.2	17.0
95°	178.7	105.6	63.8	44.7	31.9	23.6	18.2	16.7	18.2	23.6	31.9
97.5°	196.1	113.7	73.8	53.0	40.5	33.2	29.0	28.5	29.0	33.2	40.5
100°	185.1	112.4	78.1	58.9	47.2	40.3	36.9	36.3	36.9	40.3	47.2
102.5°	175.7	114.0	83.2	65.6	55.0	48.6	45.5	44.6	45.5	48.6	55.0
105°	168.9	118.4	91.9	76.6	67.2	61.4	58.5	57.0	58.5	61.4	67.2
107.5°	168.4	126.4	103.1	89.0	80.2	74.5	71.6	70.1	71.6	74.5	80.2
110°	170.4	133.1	111.0	97.2	88.9	83.5	81.0	79.6	81.0	83.5	88.9



TEST NUMBER: P332308-935

CATALOG NUMBER: S123RDIP-S775D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	174.4	139.7	119.2	105.9	97.6	92.1	89.7	88.2	89.7	92.1	97.6
115°	180.7	150.8	132.1	118.8	110.5	105.6	102.6	100.7	102.6	105.6	110.5
117.5°	189.2	162.5	144.0	131.7	122.3	117.9	115.4	113.1	115.4	117.9	122.3
120°	195.4	169.9	152.2	140.0	130.6	125.7	123.3	121.8	123.3	125.7	130.6
122.5°	201.4	177.8	160.5	147.4	138.4	133.2	130.7	129.2	130.7	133.2	138.4
125°	210.7	189.1	171.9	158.6	149.3	143.9	140.9	140.0	140.9	143.9	149.3
127.5°	218.3	198.9	182.3	169.0	158.7	153.3	149.6	148.1	149.6	153.3	158.7
130°	223.4	204.7	188.6	175.3	165.0	159.1	154.7	153.3	154.7	159.1	165.0
132.5°	228.2	209.9	194.1	181.2	170.9	163.8	159.0	157.1	159.0	163.8	170.9
135°	234.3	217.6	202.3	189.1	178.7	171.4	166.0	164.0	166.0	171.4	178.7
137.5°	238.8	222.8	208.2	196.0	185.7	177.9	172.5	170.5	172.5	177.9	185.7
140°	241.2	226.4	212.2	199.8	190.0	182.2	177.3	174.9	177.3	182.2	190.0
142.5°	243.5	229.1	215.3	203.8	194.0	186.9	181.6	179.5	181.6	186.9	194.0
145°	246.1	232.8	220.0	208.7	200.4	193.0	188.6	187.1	188.6	193.0	200.4
147.5°	247.6	235.7	224.0	214.4	206.4	200.0	195.6	194.8	195.6	200.0	206.4
150°	248.0	237.7	226.4	217.6	210.7	204.3	200.4	199.8	200.4	204.3	210.7
152.5°	248.8	238.8	229.1	220.7	214.6	209.1	205.1	205.0	205.1	209.1	214.6
155°	249.0	241.2	232.8	225.9	220.5	215.6	212.7	212.7	212.7	215.6	220.5
157.5°	249.5	242.4	235.7	230.4	225.8	221.4	219.1	218.7	219.1	221.4	225.8
160°	249.5	243.6	237.7	232.8	229.4	225.4	223.4	223.4	223.4	225.4	229.4
162.5°	249.1	244.0	238.8	234.7	231.7	228.6	227.0	227.0	227.0	228.6	231.7
165°	248.0	244.5	240.6	237.2	235.2	232.8	231.8	232.3	231.8	232.8	235.2
167.5°	247.2	244.4	241.6	239.4	238.1	236.2	235.7	236.3	235.7	236.2	238.1
170°	246.1	244.1	241.6	240.6	239.6	238.2	237.7	238.7	237.7	238.2	239.6
172.5°	245.6	244.1	242.0	241.4	240.8	239.8	239.6	240.2	239.6	239.8	240.8
175°	244.5	243.6	242.6	242.1	242.1	241.2	241.6	242.1	241.6	241.2	242.1
177.5°	243.7	243.0	242.6	242.6	242.6	242.2	242.6	243.0	242.6	242.2	242.6
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332308-935

CATALOG NUMBER: S123RDIP-S775D585U935-4F0-1E-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°	11.2	12.5	13.1	13.8	14.5	14.4	14.6	14.7	15.2	15.2	15.5
90°	5.4	6.4	7.8	9.3	10.8	12.3	11.8	12.3	12.7	13.3	14.2
92.5°	21.1	28.4	41.2	62.3	83.1	75.5	57.0	41.3	32.8	29.0	26.4
95°	44.7	63.8	105.6	178.7	259.3	291.2	236.2	176.8	119.9	93.8	76.1
97.5°	53.0	73.8	113.7	196.1	330.4	451.3	482.8	440.7	353.0	289.6	230.9
100°	58.9	78.1	112.4	185.1	314.3	465.0	561.8	579.0	539.2	481.7	412.0
102.5°	65.6	83.2	114.0	175.7	290.8	439.5	565.8	625.0	623.7	590.2	546.0
105°	76.6	91.9	118.4	168.9	261.7	394.9	535.8	638.4	687.5	696.9	684.1
107.5°	89.0	103.1	126.4	168.4	243.3	355.3	483.4	599.7	679.5	722.5	739.9
110°	97.2	111.0	133.1	170.4	236.2	332.9	450.3	562.7	653.2	715.1	749.4



TEST NUMBER: P332308-935

CATALOG NUMBER: S123RDIP-S775D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	105.9	119.2	139.7	174.4	232.3	318.1	421.6	526.2	618.5	687.9	732.1
115°	118.8	132.1	150.8	180.7	230.8	302.0	387.0	477.9	563.3	635.5	689.0
117.5°	131.7	144.0	162.5	189.2	231.7	292.6	366.1	442.7	516.5	581.3	635.7
120°	140.0	152.2	169.9	195.4	233.2	288.3	355.1	424.3	490.6	549.5	599.2
122.5°	147.4	160.5	177.8	201.4	236.0	285.5	346.0	409.7	469.8	524.3	570.4
125°	158.6	171.9	189.1	210.7	240.1	281.9	334.4	390.4	443.9	491.1	530.4
127.5°	169.0	182.3	198.9	218.3	244.9	280.1	324.3	373.5	421.3	463.8	499.6
130°	175.3	188.6	204.7	223.4	248.0	279.0	318.7	362.9	407.1	446.9	480.3
132.5°	181.2	194.1	209.9	228.2	250.4	278.5	313.6	353.1	393.7	430.8	462.6
135°	189.1	202.3	217.6	234.3	253.9	277.9	306.9	339.8	374.7	406.7	434.6
137.5°	196.0	208.2	222.8	238.8	256.2	276.9	301.2	327.8	356.4	383.8	408.1
140°	199.8	212.2	226.4	241.2	257.8	276.5	297.6	320.7	345.7	369.3	390.4
142.5°	203.8	215.3	229.1	243.5	259.0	275.7	294.5	314.0	335.5	355.9	374.3
145°	208.7	220.0	232.8	246.1	259.8	274.5	290.2	305.9	322.2	337.9	352.1
147.5°	214.4	224.0	235.7	247.6	259.8	272.7	286.1	299.4	312.2	324.9	335.0
150°	217.6	226.4	237.7	248.0	259.8	271.0	283.4	294.6	305.9	316.2	325.6
152.5°	220.7	229.1	238.8	248.8	258.6	269.1	280.3	290.3	300.1	309.2	316.9
155°	225.9	232.8	241.2	249.0	257.4	265.7	275.5	283.9	291.7	299.1	305.0
157.5°	230.4	235.7	242.4	249.5	255.6	262.6	270.2	277.0	283.5	289.3	293.9
160°	232.8	237.7	243.6	249.5	254.9	260.3	266.7	273.0	278.4	283.4	286.8
162.5°	234.7	238.8	244.0	249.1	253.3	258.0	263.1	268.4	272.9	277.5	280.5
165°	237.2	240.6	244.5	248.0	251.0	254.4	258.3	262.3	265.2	268.6	271.0
167.5°	239.4	241.6	244.4	247.2	248.6	250.8	253.7	256.9	259.2	261.1	262.9
170°	240.6	241.6	244.1	246.1	247.0	248.5	251.0	253.4	254.9	256.8	257.8
172.5°	241.4	242.0	244.1	245.6	245.8	246.5	248.2	250.3	251.3	252.9	253.5
175°	242.1	242.6	243.6	244.5	244.1	244.1	245.0	246.1	246.5	247.5	247.5
177.5°	242.6	242.6	243.0	243.7	243.0	242.6	243.0	243.4	243.7	244.2	244.2
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332308-935

CATALOG NUMBER: S123RDIP-S775D585U935-4F0-1E-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°	16.1	15.5	15.6	15.8	15.6	15.5	16.1	15.5	15.2	15.2	14.7
90°	13.8	14.2	14.7	14.2	14.7	14.2	13.8	14.2	13.3	12.7	12.3
92.5°	25.6	24.0	24.5	23.7	24.5	24.0	25.6	26.4	29.0	32.8	41.3
95°	66.8	62.3	58.9	57.0	58.9	62.3	66.8	76.1	93.8	119.9	176.8
97.5°	194.7	172.5	159.3	155.1	159.3	172.5	194.7	230.9	289.6	353.0	440.7
100°	362.4	326.6	307.5	307.9	307.5	326.6	362.4	412.0	481.7	539.2	579.0
102.5°	507.4	479.0	463.0	451.7	463.0	479.0	507.4	546.0	590.2	623.7	625.0
105°	661.5	642.8	627.2	624.7	627.2	642.8	661.5	684.1	696.9	687.5	638.4
107.5°	740.4	734.1	728.8	724.3	728.8	734.1	740.4	739.9	722.5	679.5	599.7
110°	763.2	767.1	766.1	765.1	766.1	767.1	763.2	749.4	715.1	653.2	562.7



TEST NUMBER: P332308-935

CATALOG NUMBER: S123RDIP-S775D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	757.2	769.5	773.2	773.4	773.2	769.5	757.2	732.1	687.9	618.5	526.2
115°	725.8	747.4	757.2	759.7	757.2	747.4	725.8	689.0	635.5	563.3	477.9
117.5°	674.1	698.8	713.0	716.3	713.0	698.8	674.1	635.7	581.3	516.5	442.7
120°	637.9	665.5	677.2	680.2	677.2	665.5	637.9	599.2	549.5	490.6	424.3
122.5°	604.9	629.6	642.7	646.4	642.7	629.6	604.9	570.4	524.3	469.8	409.7
125°	561.8	583.4	595.7	599.2	595.7	583.4	561.8	530.4	491.1	443.9	390.4
127.5°	527.5	546.0	557.1	560.3	557.1	546.0	527.5	499.6	463.8	421.3	373.5
130°	506.4	524.0	534.3	538.2	534.3	524.0	506.4	480.3	446.9	407.1	362.9
132.5°	487.1	504.7	513.8	516.6	513.8	504.7	487.1	462.6	430.8	393.7	353.1
135°	458.7	473.4	482.2	485.7	482.2	473.4	458.7	434.6	406.7	374.7	339.8
137.5°	428.3	443.2	450.7	453.0	450.7	443.2	428.3	408.1	383.8	356.4	327.8
140°	409.1	422.8	430.7	430.2	430.7	422.8	409.1	390.4	369.3	345.7	320.7
142.5°	390.2	402.4	409.5	409.0	409.5	402.4	390.2	374.3	355.9	335.5	314.0
145°	364.4	374.7	378.7	379.6	378.7	374.7	364.4	352.1	337.9	322.2	305.9
147.5°	344.3	351.3	355.1	355.4	355.1	351.3	344.3	335.0	324.9	312.2	299.4
150°	332.9	338.4	341.3	341.3	341.3	338.4	332.9	325.6	316.2	305.9	294.6
152.5°	322.7	327.8	329.5	329.5	329.5	327.8	322.7	316.9	309.2	300.1	290.3
155°	309.4	313.3	314.3	314.8	314.3	313.3	309.4	305.0	299.1	291.7	283.9
157.5°	297.7	300.7	301.4	301.4	301.4	300.7	297.7	293.9	289.3	283.5	277.0
160°	290.2	293.2	293.2	292.7	293.2	293.2	290.2	286.8	283.4	278.4	273.0
162.5°	282.8	285.3	285.3	284.8	285.3	285.3	282.8	280.5	277.5	272.9	268.4
165°	273.0	275.0	274.5	274.5	274.5	275.0	273.0	271.0	268.6	265.2	262.3
167.5°	263.8	265.2	264.7	264.7	264.7	265.2	263.8	262.9	261.1	259.2	256.9
170°	258.3	259.3	258.8	258.8	258.8	259.3	258.3	257.8	256.8	254.9	253.4
172.5°	253.6	254.6	253.7	253.3	253.7	254.6	253.6	253.5	252.9	251.3	250.3
175°	247.5	248.0	247.5	247.0	247.5	248.0	247.5	247.5	247.5	246.5	246.1
177.5°	243.7	244.2	243.4	243.4	243.4	244.2	243.7	244.2	244.2	243.7	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332308-935

CATALOG NUMBER: S123RDIP-S775D585U935-4F0-1E-UDD-A4

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°	14.6	14.4	14.5	13.8	13.1	12.5	11.2	11.4	11.0	12.3	11.7
90°	11.8	12.3	10.8	9.3	7.8	6.4	5.4	4.4	2.9	2.0	0.9
92.5°	57.0	75.5	83.1	62.3	41.2	28.4	21.1	17.0	13.2	9.0	6.1
95°	236.2	291.2	259.3	178.7	105.6	63.8	44.7	31.9	23.6	18.2	16.7
97.5°	482.8	451.3	330.4	196.1	113.7	73.8	53.0	40.5	33.2	29.0	28.5
100°	561.8	465.0	314.3	185.1	112.4	78.1	58.9	47.2	40.3	36.9	36.3
102.5°	565.8	439.5	290.8	175.7	114.0	83.2	65.6	55.0	48.6	45.5	44.6
105°	535.8	394.9	261.7	168.9	118.4	91.9	76.6	67.2	61.4	58.5	57.0
107.5°	483.4	355.3	243.3	168.4	126.4	103.1	89.0	80.2	74.5	71.6	70.1
110°	450.3	332.9	236.2	170.4	133.1	111.0	97.2	88.9	83.5	81.0	79.6



TEST NUMBER: P332308-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	421.6	318.1	232.3	174.4	139.7	119.2	105.9	97.6	92.1	89.7	88.2
115°	387.0	302.0	230.8	180.7	150.8	132.1	118.8	110.5	105.6	102.6	100.7
117.5°	366.1	292.6	231.7	189.2	162.5	144.0	131.7	122.3	117.9	115.4	113.1
120°	355.1	288.3	233.2	195.4	169.9	152.2	140.0	130.6	125.7	123.3	121.8
122.5°	346.0	285.5	236.0	201.4	177.8	160.5	147.4	138.4	133.2	130.7	129.2
125°	334.4	281.9	240.1	210.7	189.1	171.9	158.6	149.3	143.9	140.9	140.0
127.5°	324.3	280.1	244.9	218.3	198.9	182.3	169.0	158.7	153.3	149.6	148.1
130°	318.7	279.0	248.0	223.4	204.7	188.6	175.3	165.0	159.1	154.7	153.3
132.5°	313.6	278.5	250.4	228.2	209.9	194.1	181.2	170.9	163.8	159.0	157.1
135°	306.9	277.9	253.9	234.3	217.6	202.3	189.1	178.7	171.4	166.0	164.0
137.5°	301.2	276.9	256.2	238.8	222.8	208.2	196.0	185.7	177.9	172.5	170.5
140°	297.6	276.5	257.8	241.2	226.4	212.2	199.8	190.0	182.2	177.3	174.9
142.5°	294.5	275.7	259.0	243.5	229.1	215.3	203.8	194.0	186.9	181.6	179.5
145°	290.2	274.5	259.8	246.1	232.8	220.0	208.7	200.4	193.0	188.6	187.1
147.5°	286.1	272.7	259.8	247.6	235.7	224.0	214.4	206.4	200.0	195.6	194.8
150°	283.4	271.0	259.8	248.0	237.7	226.4	217.6	210.7	204.3	200.4	199.8
152.5°	280.3	269.1	258.6	248.8	238.8	229.1	220.7	214.6	209.1	205.1	205.0
155°	275.5	265.7	257.4	249.0	241.2	232.8	225.9	220.5	215.6	212.7	212.7
157.5°	270.2	262.6	255.6	249.5	242.4	235.7	230.4	225.8	221.4	219.1	218.7
160°	266.7	260.3	254.9	249.5	243.6	237.7	232.8	229.4	225.4	223.4	223.4
162.5°	263.1	258.0	253.3	249.1	244.0	238.8	234.7	231.7	228.6	227.0	227.0
165°	258.3	254.4	251.0	248.0	244.5	240.6	237.2	235.2	232.8	231.8	232.3
167.5°	253.7	250.8	248.6	247.2	244.4	241.6	239.4	238.1	236.2	235.7	236.3
170°	251.0	248.5	247.0	246.1	244.1	241.6	240.6	239.6	238.2	237.7	238.7
172.5°	248.2	246.5	245.8	245.6	244.1	242.0	241.4	240.8	239.8	239.6	240.2
175°	245.0	244.1	244.1	244.5	243.6	242.6	242.1	242.1	241.2	241.6	242.1
177.5°	243.0	242.6	243.0	243.7	243.0	242.6	242.6	242.6	242.2	242.6	243.0
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P332308-935

CATALOG NUMBER: S123RDIP-S775D585U935-4F0-1E-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°	10.2	8.2	8.1	7.2	7.4	7.0	7.7	7.2	7.1	7.4	6.8
90°	2.0	2.9	4.4	5.4	6.4	7.8	9.3	10.8	12.3	11.8	12.3
92.5°	9.0	13.2	17.0	21.1	28.4	41.2	62.3	83.1	75.5	57.0	41.3
95°	18.2	23.6	31.9	44.7	63.8	105.6	178.7	259.3	291.2	236.2	176.8
97.5°	29.0	33.2	40.5	53.0	73.8	113.7	196.1	330.4	451.3	482.8	440.7
100°	36.9	40.3	47.2	58.9	78.1	112.4	185.1	314.3	465.0	561.8	579.0
102.5°	45.5	48.6	55.0	65.6	83.2	114.0	175.7	290.8	439.5	565.8	625.0
105°	58.5	61.4	67.2	76.6	91.9	118.4	168.9	261.7	394.9	535.8	638.4
107.5°	71.6	74.5	80.2	89.0	103.1	126.4	168.4	243.3	355.3	483.4	599.7
110°	81.0	83.5	88.9	97.2	111.0	133.1	170.4	236.2	332.9	450.3	562.7



TEST NUMBER: P332308-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	89.7	92.1	97.6	105.9	119.2	139.7	174.4	232.3	318.1	421.6	526.2
115°	102.6	105.6	110.5	118.8	132.1	150.8	180.7	230.8	302.0	387.0	477.9
117.5°	115.4	117.9	122.3	131.7	144.0	162.5	189.2	231.7	292.6	366.1	442.7
120°	123.3	125.7	130.6	140.0	152.2	169.9	195.4	233.2	288.3	355.1	424.3
122.5°	130.7	133.2	138.4	147.4	160.5	177.8	201.4	236.0	285.5	346.0	409.7
125°	140.9	143.9	149.3	158.6	171.9	189.1	210.7	240.1	281.9	334.4	390.4
127.5°	149.6	153.3	158.7	169.0	182.3	198.9	218.3	244.9	280.1	324.3	373.5
130°	154.7	159.1	165.0	175.3	188.6	204.7	223.4	248.0	279.0	318.7	362.9
132.5°	159.0	163.8	170.9	181.2	194.1	209.9	228.2	250.4	278.5	313.6	353.1
135°	166.0	171.4	178.7	189.1	202.3	217.6	234.3	253.9	277.9	306.9	339.8
137.5°	172.5	177.9	185.7	196.0	208.2	222.8	238.8	256.2	276.9	301.2	327.8
140°	177.3	182.2	190.0	199.8	212.2	226.4	241.2	257.8	276.5	297.6	320.7
142.5°	181.6	186.9	194.0	203.8	215.3	229.1	243.5	259.0	275.7	294.5	314.0
145°	188.6	193.0	200.4	208.7	220.0	232.8	246.1	259.8	274.5	290.2	305.9
147.5°	195.6	200.0	206.4	214.4	224.0	235.7	247.6	259.8	272.7	286.1	299.4
150°	200.4	204.3	210.7	217.6	226.4	237.7	248.0	259.8	271.0	283.4	294.6
152.5°	205.1	209.1	214.6	220.7	229.1	238.8	248.8	258.6	269.1	280.3	290.3
155°	212.7	215.6	220.5	225.9	232.8	241.2	249.0	257.4	265.7	275.5	283.9
157.5°	219.1	221.4	225.8	230.4	235.7	242.4	249.5	255.6	262.6	270.2	277.0
160°	223.4	225.4	229.4	232.8	237.7	243.6	249.5	254.9	260.3	266.7	273.0
162.5°	227.0	228.6	231.7	234.7	238.8	244.0	249.1	253.3	258.0	263.1	268.4
165°	231.8	232.8	235.2	237.2	240.6	244.5	248.0	251.0	254.4	258.3	262.3
167.5°	235.7	236.2	238.1	239.4	241.6	244.4	247.2	248.6	250.8	253.7	256.9
170°	237.7	238.2	239.6	240.6	241.6	244.1	246.1	247.0	248.5	251.0	253.4
172.5°	239.6	239.8	240.8	241.4	242.0	244.1	245.6	245.8	246.5	248.2	250.3
175°	241.6	241.2	242.1	242.1	242.6	243.6	244.5	244.1	244.1	245.0	246.1
177.5°	242.6	242.2	242.6	242.6	242.6	243.0	243.7	243.0	242.6	243.0	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



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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°	6.9	7.0	6.8	6.7	6.5	7.2	6.5
90°	12.7	13.3	14.2	13.8	14.2	14.7	14.2
92.5°	32.8	29.0	26.4	25.6	24.0	24.5	23.7
95°	119.9	93.8	76.1	66.8	62.3	58.9	57.0
97.5°	353.0	289.6	230.9	194.7	172.5	159.3	155.1
100°	539.2	481.7	412.0	362.4	326.6	307.5	307.9
102.5°	623.7	590.2	546.0	507.4	479.0	463.0	451.7
105°	687.5	696.9	684.1	661.5	642.8	627.2	624.7
107.5°	679.5	722.5	739.9	740.4	734.1	728.8	724.3
110°	653.2	715.1	749.4	763.2	767.1	766.1	765.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	618.5	687.9	732.1	757.2	769.5	773.2	773.4
115°	563.3	635.5	689.0	725.8	747.4	757.2	759.7
117.5°	516.5	581.3	635.7	674.1	698.8	713.0	716.3
120°	490.6	549.5	599.2	637.9	665.5	677.2	680.2
122.5°	469.8	524.3	570.4	604.9	629.6	642.7	646.4
125°	443.9	491.1	530.4	561.8	583.4	595.7	599.2
127.5°	421.3	463.8	499.6	527.5	546.0	557.1	560.3
130°	407.1	446.9	480.3	506.4	524.0	534.3	538.2
132.5°	393.7	430.8	462.6	487.1	504.7	513.8	516.6
135°	374.7	406.7	434.6	458.7	473.4	482.2	485.7
137.5°	356.4	383.8	408.1	428.3	443.2	450.7	453.0
140°	345.7	369.3	390.4	409.1	422.8	430.7	430.2
142.5°	335.5	355.9	374.3	390.2	402.4	409.5	409.0
145°	322.2	337.9	352.1	364.4	374.7	378.7	379.6
147.5°	312.2	324.9	335.0	344.3	351.3	355.1	355.4
150°	305.9	316.2	325.6	332.9	338.4	341.3	341.3
152.5°	300.1	309.2	316.9	322.7	327.8	329.5	329.5
155°	291.7	299.1	305.0	309.4	313.3	314.3	314.8
157.5°	283.5	289.3	293.9	297.7	300.7	301.4	301.4
160°	278.4	283.4	286.8	290.2	293.2	293.2	292.7
162.5°	272.9	277.5	280.5	282.8	285.3	285.3	284.8
165°	265.2	268.6	271.0	273.0	275.0	274.5	274.5
167.5°	259.2	261.1	262.9	263.8	265.2	264.7	264.7
170°	254.9	256.8	257.8	258.3	259.3	258.8	258.8
172.5°	251.3	252.9	253.5	253.6	254.6	253.7	253.3
175°	246.5	247.5	247.5	247.5	248.0	247.5	247.0
177.5°	243.7	244.2	244.2	243.7	244.2	243.4	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6

(END OF REPORT)