

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: P332302-935

Luminaire Tested: **S123RDIP-S775D365U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332302-935  
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-S775D365U935-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3753.8 lumens  
Efficiency: N/A  
Efficacy: 107.3 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: Semi-Direct

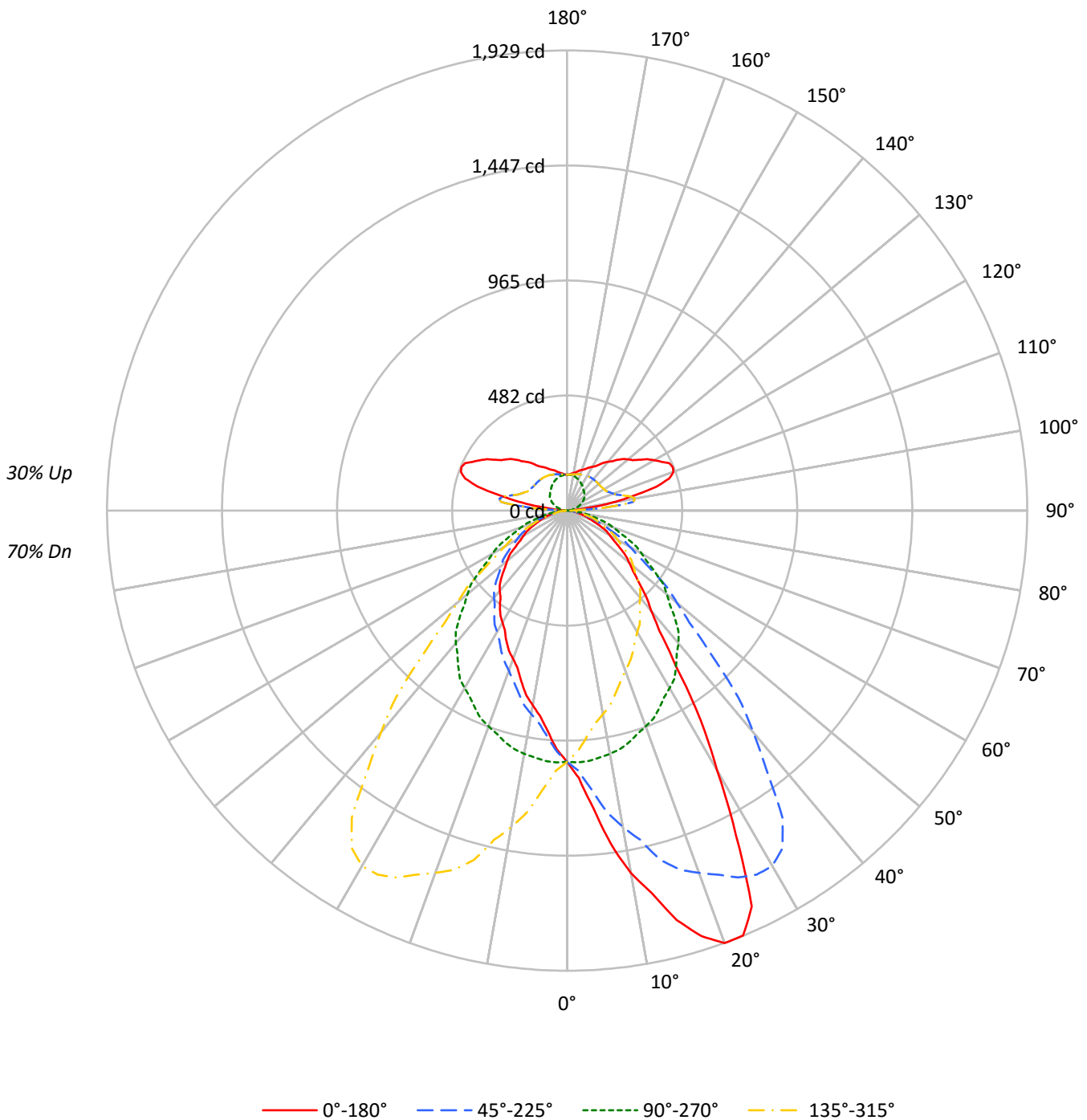
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70
1	103	99	95	92	97	94	91	88	84	82	79	75	73	72	67	66	64	61
2	95	87	81	76	89	83	78	73	75	71	67	67	64	61	60	58	56	52
3	87	78	70	65	82	74	67	62	67	62	57	60	56	53	54	51	48	45
4	80	69	62	56	75	66	59	54	60	54	50	54	50	46	49	45	42	39
5	74	62	54	48	70	59	52	47	54	48	43	49	44	40	44	40	37	35
6	68	56	48	42	64	54	46	41	49	43	38	45	40	36	40	36	33	31
7	63	51	43	38	60	49	42	37	45	39	34	41	36	32	37	33	30	28
8	59	47	39	34	56	45	38	33	41	35	31	38	33	29	34	30	27	25
9	55	43	35	30	52	41	34	29	38	32	28	35	30	26	32	28	25	23
10	52	40	32	27	49	38	31	27	35	29	25	32	27	24	30	25	22	21

**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	2.8
10°-20°	323.5	8.6
20°-30°	508.3	13.5
30°-40°	530.3	14.1
40°-50°	453.8	12.1
50°-60°	345.9	9.2
60°-70°	221.7	5.9
70°-80°	106.6	2.8
80°-90°	29.4	0.8
90°-100°	83.7	2.2
100°-110°	236.9	6.3
110°-120°	233.0	6.2
120°-130°	185.8	5.0
130°-140°	146.5	3.9
140°-150°	109.4	2.9
150°-160°	76.2	2.0
160°-170°	44.8	1.2
170°-180°	14.6	0.4
0°-30°	935.3	24.9
0°-40°	1465.6	39.0
0°-60°	2265.3	60.3
0°-90°	2623.0	69.9
90°-120°	553.5	14.7
90°-150°	995.3	26.5
90°-180°	1131.0	30.1
0°-180°	3753.8	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°	9	1	9	1	9	5
95°	35	10	35	10	35	64
105°	387	35	387	35	387	382
115°	471	62	471	62	471	457
125°	371	87	371	87	371	336
135°	301	102	301	102	301	233
145°	235	116	235	116	235	150
155°	195	132	195	132	195	91
165°	170	144	170	144	170	49
175°	153	150	153	150	153	15
180°	150	150	150	150	150	



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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°	5.3	6.1	5.3	5.7	5.8	5.9	5.9	5.9	6.5	6.2	6.4
90°	8.8	9.1	8.8	8.5	8.8	8.2	7.9	7.6	7.3	7.6	6.7
92.5°	14.6	15.2	14.9	15.8	16.4	17.9	20.3	25.7	35.3	46.8	51.5
95°	35.3	36.5	38.7	41.4	47.2	58.1	74.2	109.5	146.4	180.5	160.7
97.5°	96.1	98.7	106.9	120.6	143.1	179.4	218.7	273.0	299.1	279.7	204.7
100°	190.8	190.5	202.3	224.5	255.3	298.5	334.1	358.7	348.1	288.2	194.8
102.5°	279.8	286.9	296.8	314.4	338.3	365.7	386.4	387.2	350.5	272.3	180.1
105°	387.0	388.6	398.3	409.8	423.9	431.7	425.9	395.5	331.9	244.6	162.2
107.5°	448.8	451.5	454.8	458.7	458.5	447.6	420.9	371.5	299.5	220.2	150.8
110°	474.1	474.7	475.3	472.9	464.3	443.0	404.7	348.7	279.1	206.3	146.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	479.1	479.1	476.7	469.2	453.6	426.2	383.2	326.1	261.2	197.0	143.9
115°	470.7	469.2	463.0	449.7	426.9	393.7	349.0	296.0	239.8	187.1	143.0
117.5°	443.8	441.7	433.0	417.7	393.8	360.2	320.0	274.3	226.8	181.2	143.5
120°	421.4	419.6	412.2	395.2	371.2	340.4	303.9	262.9	220.0	178.6	144.6
122.5°	400.5	398.1	390.1	374.8	353.4	324.9	291.0	253.9	214.4	176.9	146.2
125°	371.2	369.1	361.4	348.1	328.6	304.3	275.1	241.9	207.2	174.6	148.8
127.5°	347.1	345.2	338.3	326.8	309.5	287.3	261.0	231.4	200.9	173.6	151.7
130°	333.5	331.1	324.7	313.7	297.6	276.9	252.3	224.8	197.4	172.8	153.7
132.5°	320.1	318.4	312.7	301.8	286.6	266.9	243.9	218.8	194.3	172.5	155.2
135°	300.9	298.8	293.3	284.2	269.2	251.9	232.1	210.5	190.2	172.2	157.3
137.5°	280.7	279.2	274.7	265.4	252.9	237.8	220.8	203.0	186.6	171.5	158.8
140°	266.6	266.8	262.0	253.5	241.9	228.8	214.2	198.7	184.3	171.3	159.7
142.5°	253.4	253.7	249.3	241.8	231.9	220.5	207.8	194.6	182.4	170.8	160.5
145°	235.2	234.6	232.1	225.8	218.2	209.3	199.6	189.6	179.8	170.0	160.9
147.5°	220.2	220.0	217.7	213.4	207.6	201.3	193.5	185.5	177.3	168.9	160.9
150°	211.5	211.5	209.7	206.3	201.7	196.0	189.6	182.5	175.6	168.0	160.9
152.5°	204.1	204.1	203.0	199.9	196.4	191.6	185.9	179.9	173.6	166.8	160.2
155°	195.0	194.8	194.2	191.7	188.9	185.3	180.7	175.9	170.7	164.6	159.5
157.5°	186.7	186.8	186.2	184.4	182.1	179.2	175.6	171.6	167.4	162.7	158.4
160°	181.3	181.7	181.7	179.8	177.7	175.6	172.5	169.2	165.2	161.3	157.9
162.5°	176.5	176.8	176.8	175.2	173.8	171.9	169.1	166.3	163.0	159.8	157.0
165°	170.0	170.0	170.4	169.2	168.0	166.4	164.3	162.5	160.1	157.6	155.5
167.5°	164.0	164.0	164.3	163.4	162.9	161.8	160.6	159.2	157.2	155.4	154.0
170°	160.3	160.3	160.7	160.1	159.7	159.1	157.9	157.0	155.5	153.9	153.1
172.5°	157.0	157.2	157.7	157.1	157.0	156.7	155.8	155.1	153.8	152.7	152.3
175°	153.1	153.3	153.7	153.3	153.3	153.3	152.7	152.4	151.8	151.2	151.2
177.5°	150.8	150.8	151.3	151.0	151.3	151.3	151.0	150.8	150.6	150.3	150.6
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



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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°	6.9	6.4	6.9	6.8	7.7	7.9	10.0	11.6	12.1	10.8	11.0
90°	5.8	4.9	4.0	3.4	2.8	1.8	1.2	0.6	1.2	1.8	2.8
92.5°	38.7	25.6	17.6	13.1	10.5	8.2	5.6	3.8	5.6	8.2	10.5
95°	110.7	65.4	39.5	27.7	19.8	14.6	11.3	10.3	11.3	14.6	19.8
97.5°	121.5	70.4	45.7	32.9	25.1	20.6	17.9	17.7	17.9	20.6	25.1
100°	114.7	69.7	48.4	36.5	29.2	25.0	22.8	22.6	22.8	25.0	29.2
102.5°	108.8	70.7	51.6	40.6	34.1	30.0	28.2	27.6	28.2	30.0	34.1
105°	104.7	73.4	56.9	47.4	41.7	38.1	36.2	35.3	36.2	38.1	41.7
107.5°	104.4	78.4	63.9	55.1	49.7	46.1	44.3	43.5	44.3	46.1	49.7
110°	105.6	82.5	68.8	60.3	55.1	51.7	50.2	49.2	50.2	51.7	55.1





TEST NUMBER: P332302-935

CATALOG NUMBER: S123RDIP-S775D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	108.1	86.6	73.9	65.6	60.4	57.1	55.5	54.7	55.5	57.1	60.4
115°	111.9	93.4	81.9	73.6	68.4	65.4	63.6	62.3	63.6	65.4	68.4
117.5°	117.2	100.7	89.2	81.6	75.9	73.0	71.5	70.1	71.5	73.0	75.9
120°	121.1	105.3	94.3	86.7	80.9	77.9	76.4	75.4	76.4	77.9	80.9
122.5°	124.8	110.1	99.4	91.4	85.8	82.5	81.0	80.1	81.0	82.5	85.8
125°	130.5	117.2	106.5	98.2	92.5	89.1	87.3	86.7	87.3	89.1	92.5
127.5°	135.3	123.2	113.0	104.7	98.3	95.0	92.6	91.8	92.6	95.0	98.3
130°	138.4	126.9	116.8	108.7	102.2	98.6	95.8	95.0	95.8	98.6	102.2
132.5°	141.4	130.0	120.3	112.3	105.9	101.5	98.5	97.4	98.5	101.5	105.9
135°	145.2	134.7	125.4	117.2	110.7	106.2	102.8	101.6	102.8	106.2	110.7
137.5°	147.9	138.1	129.0	121.4	115.0	110.2	106.9	105.6	106.9	110.2	115.0
140°	149.4	140.3	131.5	123.8	117.8	112.9	109.9	108.3	109.9	112.9	117.8
142.5°	150.8	142.0	133.4	126.3	120.2	115.8	112.5	111.2	112.5	115.8	120.2
145°	152.4	144.2	136.3	129.3	124.2	119.6	116.8	115.9	116.8	119.6	124.2
147.5°	153.4	146.0	138.8	132.9	127.9	123.9	121.2	120.7	121.2	123.9	127.9
150°	153.7	147.2	140.3	134.7	130.5	126.6	124.2	123.8	124.2	126.6	130.5
152.5°	154.1	148.0	142.0	136.7	132.9	129.5	127.1	127.0	127.1	129.5	132.9
155°	154.3	149.4	144.2	140.0	136.6	133.5	131.7	131.7	131.7	133.5	136.6
157.5°	154.5	150.2	146.0	142.8	139.9	137.2	135.8	135.5	135.8	137.2	139.9
160°	154.5	150.9	147.2	144.2	142.1	139.7	138.4	138.4	138.4	139.7	142.1
162.5°	154.3	151.2	148.0	145.4	143.5	141.6	140.6	140.6	140.6	141.6	143.5
165°	153.7	151.5	149.1	147.0	145.8	144.2	143.6	143.9	143.6	144.2	145.8
167.5°	153.2	151.4	149.7	148.4	147.5	146.4	146.0	146.4	146.0	146.4	147.5
170°	152.4	151.2	149.7	149.1	148.4	147.6	147.2	147.8	147.2	147.6	148.4
172.5°	152.2	151.2	149.9	149.6	149.2	148.5	148.4	148.9	148.4	148.5	149.2
175°	151.5	150.9	150.3	150.0	150.0	149.4	149.7	150.0	149.7	149.4	150.0
177.5°	151.0	150.6	150.3	150.3	150.3	150.1	150.3	150.6	150.3	150.1	150.3
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332302-935

CATALOG NUMBER: S123RDIP-S775D365U935-4F0-1E-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°	10.8	12.0	12.5	13.1	13.6	13.4	13.7	13.8	14.2	14.3	14.4
90°	3.4	4.0	4.9	5.8	6.7	7.6	7.3	7.6	7.9	8.2	8.8
92.5°	13.1	17.6	25.6	38.7	51.5	46.8	35.3	25.7	20.3	17.9	16.4
95°	27.7	39.5	65.4	110.7	160.7	180.5	146.4	109.5	74.2	58.1	47.2
97.5°	32.9	45.7	70.4	121.5	204.7	279.7	299.1	273.0	218.7	179.4	143.1
100°	36.5	48.4	69.7	114.7	194.8	288.2	348.1	358.7	334.1	298.5	255.3
102.5°	40.6	51.6	70.7	108.8	180.1	272.3	350.5	387.2	386.4	365.7	338.3
105°	47.4	56.9	73.4	104.7	162.2	244.6	331.9	395.5	425.9	431.7	423.9
107.5°	55.1	63.9	78.4	104.4	150.8	220.2	299.5	371.5	420.9	447.6	458.5
110°	60.3	68.8	82.5	105.6	146.4	206.3	279.1	348.7	404.7	443.0	464.3



TEST NUMBER: P332302-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	65.6	73.9	86.6	108.1	143.9	197.0	261.2	326.1	383.2	426.2	453.6
115°	73.6	81.9	93.4	111.9	143.0	187.1	239.8	296.0	349.0	393.7	426.9
117.5°	81.6	89.2	100.7	117.2	143.5	181.2	226.8	274.3	320.0	360.2	393.8
120°	86.7	94.3	105.3	121.1	144.6	178.6	220.0	262.9	303.9	340.4	371.2
122.5°	91.4	99.4	110.1	124.8	146.2	176.9	214.4	253.9	291.0	324.9	353.4
125°	98.2	106.5	117.2	130.5	148.8	174.6	207.2	241.9	275.1	304.3	328.6
127.5°	104.7	113.0	123.2	135.3	151.7	173.6	200.9	231.4	261.0	287.3	309.5
130°	108.7	116.8	126.9	138.4	153.7	172.8	197.4	224.8	252.3	276.9	297.6
132.5°	112.3	120.3	130.0	141.4	155.2	172.5	194.3	218.8	243.9	266.9	286.6
135°	117.2	125.4	134.7	145.2	157.3	172.2	190.2	210.5	232.1	251.9	269.2
137.5°	121.4	129.0	138.1	147.9	158.8	171.5	186.6	203.0	220.8	237.8	252.9
140°	123.8	131.5	140.3	149.4	159.7	171.3	184.3	198.7	214.2	228.8	241.9
142.5°	126.3	133.4	142.0	150.8	160.5	170.8	182.4	194.6	207.8	220.5	231.9
145°	129.3	136.3	144.2	152.4	160.9	170.0	179.8	189.6	199.6	209.3	218.2
147.5°	132.9	138.8	146.0	153.4	160.9	168.9	177.3	185.5	193.5	201.3	207.6
150°	134.7	140.3	147.2	153.7	160.9	168.0	175.6	182.5	189.6	196.0	201.7
152.5°	136.7	142.0	148.0	154.1	160.2	166.8	173.6	179.9	185.9	191.6	196.4
155°	140.0	144.2	149.4	154.3	159.5	164.6	170.7	175.9	180.7	185.3	188.9
157.5°	142.8	146.0	150.2	154.5	158.4	162.7	167.4	171.6	175.6	179.2	182.1
160°	144.2	147.2	150.9	154.5	157.9	161.3	165.2	169.2	172.5	175.6	177.7
162.5°	145.4	148.0	151.2	154.3	157.0	159.8	163.0	166.3	169.1	171.9	173.8
165°	147.0	149.1	151.5	153.7	155.5	157.6	160.1	162.5	164.3	166.4	168.0
167.5°	148.4	149.7	151.4	153.2	154.0	155.4	157.2	159.2	160.6	161.8	162.9
170°	149.1	149.7	151.2	152.4	153.1	153.9	155.5	157.0	157.9	159.1	159.7
172.5°	149.6	149.9	151.2	152.2	152.3	152.7	153.8	155.1	155.8	156.7	157.0
175°	150.0	150.3	150.9	151.5	151.2	151.2	151.8	152.4	152.7	153.3	153.3
177.5°	150.3	150.3	150.6	151.0	150.6	150.3	150.6	150.8	151.0	151.3	151.3
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332302-935

CATALOG NUMBER: S123RDIP-S775D365U935-4F0-1E-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°	15.1	14.4	14.5	14.7	14.5	14.4	15.1	14.4	14.3	14.2	13.8
90°	8.5	8.8	9.1	8.8	9.1	8.8	8.5	8.8	8.2	7.9	7.6
92.5°	15.8	14.9	15.2	14.6	15.2	14.9	15.8	16.4	17.9	20.3	25.7
95°	41.4	38.7	36.5	35.3	36.5	38.7	41.4	47.2	58.1	74.2	109.5
97.5°	120.6	106.9	98.7	96.1	98.7	106.9	120.6	143.1	179.4	218.7	273.0
100°	224.5	202.3	190.5	190.8	190.5	202.3	224.5	255.3	298.5	334.1	358.7
102.5°	314.4	296.8	286.9	279.8	286.9	296.8	314.4	338.3	365.7	386.4	387.2
105°	409.8	398.3	388.6	387.0	388.6	398.3	409.8	423.9	431.7	425.9	395.5
107.5°	458.7	454.8	451.5	448.8	451.5	454.8	458.7	458.5	447.6	420.9	371.5
110°	472.9	475.3	474.7	474.1	474.7	475.3	472.9	464.3	443.0	404.7	348.7



TEST NUMBER: P332302-935

CATALOG NUMBER: S123RDIP-S775D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	469.2	476.7	479.1	479.1	479.1	476.7	469.2	453.6	426.2	383.2	326.1
115°	449.7	463.0	469.2	470.7	469.2	463.0	449.7	426.9	393.7	349.0	296.0
117.5°	417.7	433.0	441.7	443.8	441.7	433.0	417.7	393.8	360.2	320.0	274.3
120°	395.2	412.2	419.6	421.4	419.6	412.2	395.2	371.2	340.4	303.9	262.9
122.5°	374.8	390.1	398.1	400.5	398.1	390.1	374.8	353.4	324.9	291.0	253.9
125°	348.1	361.4	369.1	371.2	369.1	361.4	348.1	328.6	304.3	275.1	241.9
127.5°	326.8	338.3	345.2	347.1	345.2	338.3	326.8	309.5	287.3	261.0	231.4
130°	313.7	324.7	331.1	333.5	331.1	324.7	313.7	297.6	276.9	252.3	224.8
132.5°	301.8	312.7	318.4	320.1	318.4	312.7	301.8	286.6	266.9	243.9	218.8
135°	284.2	293.3	298.8	300.9	298.8	293.3	284.2	269.2	251.9	232.1	210.5
137.5°	265.4	274.7	279.2	280.7	279.2	274.7	265.4	252.9	237.8	220.8	203.0
140°	253.5	262.0	266.8	266.6	266.8	262.0	253.5	241.9	228.8	214.2	198.7
142.5°	241.8	249.3	253.7	253.4	253.7	249.3	241.8	231.9	220.5	207.8	194.6
145°	225.8	232.1	234.6	235.2	234.6	232.1	225.8	218.2	209.3	199.6	189.6
147.5°	213.4	217.7	220.0	220.2	220.0	217.7	213.4	207.6	201.3	193.5	185.5
150°	206.3	209.7	211.5	211.5	211.5	209.7	206.3	201.7	196.0	189.6	182.5
152.5°	199.9	203.0	204.1	204.1	204.1	203.0	199.9	196.4	191.6	185.9	179.9
155°	191.7	194.2	194.8	195.0	194.8	194.2	191.7	188.9	185.3	180.7	175.9
157.5°	184.4	186.2	186.8	186.7	186.8	186.2	184.4	182.1	179.2	175.6	171.6
160°	179.8	181.7	181.7	181.3	181.7	181.7	179.8	177.7	175.6	172.5	169.2
162.5°	175.2	176.8	176.8	176.5	176.8	176.8	175.2	173.8	171.9	169.1	166.3
165°	169.2	170.4	170.0	170.0	170.0	170.4	169.2	168.0	166.4	164.3	162.5
167.5°	163.4	164.3	164.0	164.0	164.0	164.3	163.4	162.9	161.8	160.6	159.2
170°	160.1	160.7	160.3	160.3	160.3	160.7	160.1	159.7	159.1	157.9	157.0
172.5°	157.1	157.7	157.2	157.0	157.2	157.7	157.1	157.0	156.7	155.8	155.1
175°	153.3	153.7	153.3	153.1	153.3	153.7	153.3	153.3	153.3	152.7	152.4
177.5°	151.0	151.3	150.8	150.8	150.8	151.3	151.0	151.3	151.3	151.0	150.8
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332302-935

CATALOG NUMBER: S123RDIP-S775D365U935-4F0-1E-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°	13.7	13.4	13.6	13.1	12.5	12.0	10.8	11.0	10.8	12.1	11.6
90°	7.3	7.6	6.7	5.8	4.9	4.0	3.4	2.8	1.8	1.2	0.6
92.5°	35.3	46.8	51.5	38.7	25.6	17.6	13.1	10.5	8.2	5.6	3.8
95°	146.4	180.5	160.7	110.7	65.4	39.5	27.7	19.8	14.6	11.3	10.3
97.5°	299.1	279.7	204.7	121.5	70.4	45.7	32.9	25.1	20.6	17.9	17.7
100°	348.1	288.2	194.8	114.7	69.7	48.4	36.5	29.2	25.0	22.8	22.6
102.5°	350.5	272.3	180.1	108.8	70.7	51.6	40.6	34.1	30.0	28.2	27.6
105°	331.9	244.6	162.2	104.7	73.4	56.9	47.4	41.7	38.1	36.2	35.3
107.5°	299.5	220.2	150.8	104.4	78.4	63.9	55.1	49.7	46.1	44.3	43.5
110°	279.1	206.3	146.4	105.6	82.5	68.8	60.3	55.1	51.7	50.2	49.2



TEST NUMBER: P332302-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	261.2	197.0	143.9	108.1	86.6	73.9	65.6	60.4	57.1	55.5	54.7
115°	239.8	187.1	143.0	111.9	93.4	81.9	73.6	68.4	65.4	63.6	62.3
117.5°	226.8	181.2	143.5	117.2	100.7	89.2	81.6	75.9	73.0	71.5	70.1
120°	220.0	178.6	144.6	121.1	105.3	94.3	86.7	80.9	77.9	76.4	75.4
122.5°	214.4	176.9	146.2	124.8	110.1	99.4	91.4	85.8	82.5	81.0	80.1
125°	207.2	174.6	148.8	130.5	117.2	106.5	98.2	92.5	89.1	87.3	86.7
127.5°	200.9	173.6	151.7	135.3	123.2	113.0	104.7	98.3	95.0	92.6	91.8
130°	197.4	172.8	153.7	138.4	126.9	116.8	108.7	102.2	98.6	95.8	95.0
132.5°	194.3	172.5	155.2	141.4	130.0	120.3	112.3	105.9	101.5	98.5	97.4
135°	190.2	172.2	157.3	145.2	134.7	125.4	117.2	110.7	106.2	102.8	101.6
137.5°	186.6	171.5	158.8	147.9	138.1	129.0	121.4	115.0	110.2	106.9	105.6
140°	184.3	171.3	159.7	149.4	140.3	131.5	123.8	117.8	112.9	109.9	108.3
142.5°	182.4	170.8	160.5	150.8	142.0	133.4	126.3	120.2	115.8	112.5	111.2
145°	179.8	170.0	160.9	152.4	144.2	136.3	129.3	124.2	119.6	116.8	115.9
147.5°	177.3	168.9	160.9	153.4	146.0	138.8	132.9	127.9	123.9	121.2	120.7
150°	175.6	168.0	160.9	153.7	147.2	140.3	134.7	130.5	126.6	124.2	123.8
152.5°	173.6	166.8	160.2	154.1	148.0	142.0	136.7	132.9	129.5	127.1	127.0
155°	170.7	164.6	159.5	154.3	149.4	144.2	140.0	136.6	133.5	131.7	131.7
157.5°	167.4	162.7	158.4	154.5	150.2	146.0	142.8	139.9	137.2	135.8	135.5
160°	165.2	161.3	157.9	154.5	150.9	147.2	144.2	142.1	139.7	138.4	138.4
162.5°	163.0	159.8	157.0	154.3	151.2	148.0	145.4	143.5	141.6	140.6	140.6
165°	160.1	157.6	155.5	153.7	151.5	149.1	147.0	145.8	144.2	143.6	143.9
167.5°	157.2	155.4	154.0	153.2	151.4	149.7	148.4	147.5	146.4	146.0	146.4
170°	155.5	153.9	153.1	152.4	151.2	149.7	149.1	148.4	147.6	147.2	147.8
172.5°	153.8	152.7	152.3	152.2	151.2	149.9	149.6	149.2	148.5	148.4	148.9
175°	151.8	151.2	151.2	151.5	150.9	150.3	150.0	150.0	149.4	149.7	150.0
177.5°	150.6	150.3	150.6	151.0	150.6	150.3	150.3	150.3	150.1	150.3	150.6
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



TEST NUMBER: P332302-935

CATALOG NUMBER: S123RDIP-S775D365U935-4F0-1E-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°	10.0	7.9	7.7	6.8	6.9	6.4	6.9	6.4	6.2	6.5	5.9
90°	1.2	1.8	2.8	3.4	4.0	4.9	5.8	6.7	7.6	7.3	7.6
92.5°	5.6	8.2	10.5	13.1	17.6	25.6	38.7	51.5	46.8	35.3	25.7
95°	11.3	14.6	19.8	27.7	39.5	65.4	110.7	160.7	180.5	146.4	109.5
97.5°	17.9	20.6	25.1	32.9	45.7	70.4	121.5	204.7	279.7	299.1	273.0
100°	22.8	25.0	29.2	36.5	48.4	69.7	114.7	194.8	288.2	348.1	358.7
102.5°	28.2	30.0	34.1	40.6	51.6	70.7	108.8	180.1	272.3	350.5	387.2
105°	36.2	38.1	41.7	47.4	56.9	73.4	104.7	162.2	244.6	331.9	395.5
107.5°	44.3	46.1	49.7	55.1	63.9	78.4	104.4	150.8	220.2	299.5	371.5
110°	50.2	51.7	55.1	60.3	68.8	82.5	105.6	146.4	206.3	279.1	348.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.5	57.1	60.4	65.6	73.9	86.6	108.1	143.9	197.0	261.2	326.1
115°	63.6	65.4	68.4	73.6	81.9	93.4	111.9	143.0	187.1	239.8	296.0
117.5°	71.5	73.0	75.9	81.6	89.2	100.7	117.2	143.5	181.2	226.8	274.3
120°	76.4	77.9	80.9	86.7	94.3	105.3	121.1	144.6	178.6	220.0	262.9
122.5°	81.0	82.5	85.8	91.4	99.4	110.1	124.8	146.2	176.9	214.4	253.9
125°	87.3	89.1	92.5	98.2	106.5	117.2	130.5	148.8	174.6	207.2	241.9
127.5°	92.6	95.0	98.3	104.7	113.0	123.2	135.3	151.7	173.6	200.9	231.4
130°	95.8	98.6	102.2	108.7	116.8	126.9	138.4	153.7	172.8	197.4	224.8
132.5°	98.5	101.5	105.9	112.3	120.3	130.0	141.4	155.2	172.5	194.3	218.8
135°	102.8	106.2	110.7	117.2	125.4	134.7	145.2	157.3	172.2	190.2	210.5
137.5°	106.9	110.2	115.0	121.4	129.0	138.1	147.9	158.8	171.5	186.6	203.0
140°	109.9	112.9	117.8	123.8	131.5	140.3	149.4	159.7	171.3	184.3	198.7
142.5°	112.5	115.8	120.2	126.3	133.4	142.0	150.8	160.5	170.8	182.4	194.6
145°	116.8	119.6	124.2	129.3	136.3	144.2	152.4	160.9	170.0	179.8	189.6
147.5°	121.2	123.9	127.9	132.9	138.8	146.0	153.4	160.9	168.9	177.3	185.5
150°	124.2	126.6	130.5	134.7	140.3	147.2	153.7	160.9	168.0	175.6	182.5
152.5°	127.1	129.5	132.9	136.7	142.0	148.0	154.1	160.2	166.8	173.6	179.9
155°	131.7	133.5	136.6	140.0	144.2	149.4	154.3	159.5	164.6	170.7	175.9
157.5°	135.8	137.2	139.9	142.8	146.0	150.2	154.5	158.4	162.7	167.4	171.6
160°	138.4	139.7	142.1	144.2	147.2	150.9	154.5	157.9	161.3	165.2	169.2
162.5°	140.6	141.6	143.5	145.4	148.0	151.2	154.3	157.0	159.8	163.0	166.3
165°	143.6	144.2	145.8	147.0	149.1	151.5	153.7	155.5	157.6	160.1	162.5
167.5°	146.0	146.4	147.5	148.4	149.7	151.4	153.2	154.0	155.4	157.2	159.2
170°	147.2	147.6	148.4	149.1	149.7	151.2	152.4	153.1	153.9	155.5	157.0
172.5°	148.4	148.5	149.2	149.6	149.9	151.2	152.2	152.3	152.7	153.8	155.1
175°	149.7	149.4	150.0	150.0	150.3	150.9	151.5	151.2	151.2	151.8	152.4
177.5°	150.3	150.1	150.3	150.3	150.3	150.6	151.0	150.6	150.3	150.6	150.8
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3



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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°	5.9	5.9	5.8	5.7	5.3	6.1	5.3
90°	7.9	8.2	8.8	8.5	8.8	9.1	8.8
92.5°	20.3	17.9	16.4	15.8	14.9	15.2	14.6
95°	74.2	58.1	47.2	41.4	38.7	36.5	35.3
97.5°	218.7	179.4	143.1	120.6	106.9	98.7	96.1
100°	334.1	298.5	255.3	224.5	202.3	190.5	190.8
102.5°	386.4	365.7	338.3	314.4	296.8	286.9	279.8
105°	425.9	431.7	423.9	409.8	398.3	388.6	387.0
107.5°	420.9	447.6	458.5	458.7	454.8	451.5	448.8
110°	404.7	443.0	464.3	472.9	475.3	474.7	474.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	383.2	426.2	453.6	469.2	476.7	479.1	479.1
115°	349.0	393.7	426.9	449.7	463.0	469.2	470.7
117.5°	320.0	360.2	393.8	417.7	433.0	441.7	443.8
120°	303.9	340.4	371.2	395.2	412.2	419.6	421.4
122.5°	291.0	324.9	353.4	374.8	390.1	398.1	400.5
125°	275.1	304.3	328.6	348.1	361.4	369.1	371.2
127.5°	261.0	287.3	309.5	326.8	338.3	345.2	347.1
130°	252.3	276.9	297.6	313.7	324.7	331.1	333.5
132.5°	243.9	266.9	286.6	301.8	312.7	318.4	320.1
135°	232.1	251.9	269.2	284.2	293.3	298.8	300.9
137.5°	220.8	237.8	252.9	265.4	274.7	279.2	280.7
140°	214.2	228.8	241.9	253.5	262.0	266.8	266.6
142.5°	207.8	220.5	231.9	241.8	249.3	253.7	253.4
145°	199.6	209.3	218.2	225.8	232.1	234.6	235.2
147.5°	193.5	201.3	207.6	213.4	217.7	220.0	220.2
150°	189.6	196.0	201.7	206.3	209.7	211.5	211.5
152.5°	185.9	191.6	196.4	199.9	203.0	204.1	204.1
155°	180.7	185.3	188.9	191.7	194.2	194.8	195.0
157.5°	175.6	179.2	182.1	184.4	186.2	186.8	186.7
160°	172.5	175.6	177.7	179.8	181.7	181.7	181.3
162.5°	169.1	171.9	173.8	175.2	176.8	176.8	176.5
165°	164.3	166.4	168.0	169.2	170.4	170.0	170.0
167.5°	160.6	161.8	162.9	163.4	164.3	164.0	164.0
170°	157.9	159.1	159.7	160.1	160.7	160.3	160.3
172.5°	155.8	156.7	157.0	157.1	157.7	157.2	157.0
175°	152.7	153.3	153.3	153.3	153.7	153.3	153.1
177.5°	151.0	151.3	151.3	151.0	151.3	150.8	150.8
180°	150.3	150.3	150.3	150.3	150.3	150.3	150.3

(END OF REPORT)