

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: P332927-935

Luminaire Tested: **S124RDIP-S795D365U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332927-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-S795D365U935-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 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: 4000.3 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Direct

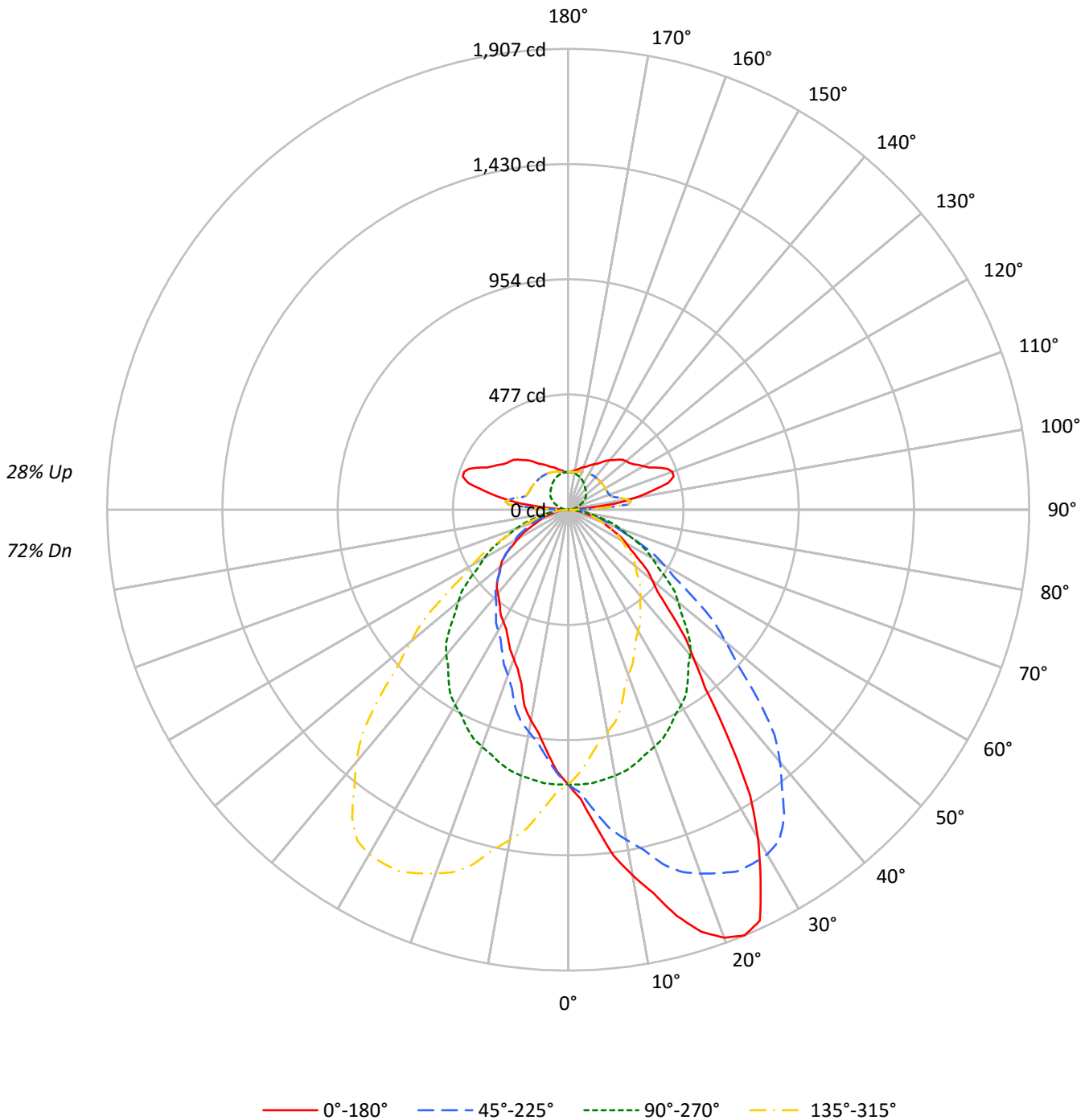
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	95	95	85	85	85	76	76	76	72
1	103	99	95	92	98	94	91	88	85	82	80	76	74	73	68	67	66	62
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	59	56	53
3	87	77	70	64	82	74	67	62	67	62	57	61	56	53	55	51	49	46
4	80	69	61	55	75	66	59	53	60	54	50	54	50	46	49	46	42	40
5	74	62	54	48	70	59	52	46	54	48	43	49	44	40	45	41	37	35
6	68	56	48	42	64	53	46	41	49	43	38	45	40	36	41	36	33	31
7	63	51	43	37	60	49	41	36	45	38	34	41	36	32	37	33	30	27
8	59	46	38	33	56	44	37	32	41	35	30	37	32	29	34	30	27	25
9	55	42	35	30	52	41	34	29	38	32	27	35	29	26	32	27	24	22
10	51	39	32	27	49	38	31	26	35	29	25	32	27	23	30	25	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9175	9175	9175	9175
5°	10643	9203	8135	9203
10°	12591	9163	7260	9163
15°	14543	9078	6238	9078
20°	16192	8961	5642	8961
25°	16715	8847	5238	8847
30°	14632	8708	4994	8708
35°	11391	8502	4847	8502
40°	8541	8266	4769	8266
45°	6744	7889	4727	7889
50°	5693	7454	4589	7454
55°	4963	6973	4345	6973
60°	4466	6476	3846	6476
65°	3935	5939	3307	5939
70°	3545	5384	2984	5384
75°	2969	4769	2542	4769
80°	2515	4068	2385	4068
85°	2121	3186	2121	3186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	2.8
10°-20°	332.2	8.3
20°-30°	519.5	13.0
30°-40°	577.6	14.4
40°-50°	512.4	12.8
50°-60°	399.3	10.0
60°-70°	261.4	6.5
70°-80°	128.6	3.2
80°-90°	32.6	0.8
90°-100°	111.9	2.8
100°-110°	232.8	5.8
110°-120°	208.5	5.2
120°-130°	175.4	4.4
130°-140°	146.3	3.7
140°-150°	111.7	2.8
150°-160°	78.5	2.0
160°-170°	46.2	1.2
170°-180°	15.0	0.4
0°-30°	961.8	24.0
0°-40°	1539.4	38.5
0°-60°	2451.2	61.3
0°-90°	2873.8	71.8
90°-120°	553.3	13.8
90°-150°	986.7	24.7
90°-180°	1126.0	28.1
0°-180°	4000.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1136	1136	1136	1136	1136	
5°	1313	1136	1004	1136	1313	133
15°	1740	1086	746	1086	1740	495
25°	1876	993	588	993	1876	832
35°	1156	863	492	863	1156	724
45°	591	691	414	691	591	468
55°	353	495	309	495	353	321
65°	206	311	173	311	206	207
75°	95	153	82	153	95	105
85°	23	34	23	34	23	26
90°	6	0	6	0	6	6
95°	74	10	74	10	74	115
105°	428	36	428	36	428	423
115°	411	63	411	63	411	408
125°	328	87	328	87	328	298
135°	293	104	293	104	293	226
145°	239	120	239	120	239	152
155°	200	136	200	136	200	94
165°	175	148	175	148	175	50
175°	158	154	158	154	158	15
180°	155	155	155	155	155	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1198.8	1202.1	1198.8	1198.4	1194.8	1193.7	1192.2	1187.5	1178.6	1173.5	1174.7
5°	1313.3	1324.7	1318.4	1317.4	1307.3	1297.3	1290.8	1276.2	1260.6	1250.1	1241.4
7.5°	1445.7	1452.3	1448.3	1441.8	1425.6	1416.3	1401.4	1382.2	1354.3	1332.9	1313.4
10°	1535.9	1541.4	1539.5	1527.6	1515.7	1491.4	1477.6	1450.7	1415.4	1387.5	1361.4
12.5°	1624.4	1630.4	1614.2	1614.8	1592.2	1573.1	1551.3	1517.3	1476.6	1440.6	1407.9
15°	1740.1	1732.8	1732.8	1723.5	1698.4	1671.8	1649.4	1613.7	1562.4	1519.3	1474.0
17.5°	1830.6	1833.1	1829.4	1807.8	1788.0	1760.5	1719.3	1677.7	1630.0	1572.3	1526.0
20°	1884.7	1884.7	1880.7	1866.0	1840.4	1811.0	1766.6	1721.3	1660.9	1602.7	1550.5
22.5°	1906.8	1908.2	1903.3	1891.3	1868.2	1839.6	1801.8	1755.8	1693.4	1628.0	1563.3
25°	1876.5	1885.2	1886.1	1882.9	1876.0	1858.6	1826.2	1779.0	1723.1	1652.2	1582.5
27.5°	1722.9	1733.8	1743.4	1759.3	1780.4	1791.3	1792.8	1768.8	1720.1	1651.7	1581.7
30°	1569.7	1578.9	1608.6	1647.5	1677.8	1705.3	1729.1	1735.5	1708.1	1646.7	1573.0
32.5°	1399.7	1412.2	1442.0	1483.8	1534.2	1580.7	1634.2	1661.5	1660.8	1623.9	1555.7
35°	1155.8	1164.9	1192.4	1236.4	1296.8	1366.0	1450.7	1516.6	1561.5	1558.2	1516.6
37.5°	932.1	942.5	970.3	1006.7	1065.3	1150.9	1232.9	1323.7	1406.7	1453.3	1439.4
40°	810.5	811.0	838.0	875.6	930.5	1005.1	1094.4	1195.2	1287.6	1363.2	1377.9
42.5°	714.5	714.6	732.5	772.9	812.5	882.8	968.0	1068.1	1176.3	1263.6	1302.4
45°	590.7	594.9	609.5	633.8	664.9	724.4	792.6	885.6	1006.9	1110.4	1175.0
47.5°	500.2	506.3	515.6	535.4	560.2	599.9	656.3	739.8	838.5	952.4	1044.2
50°	453.3	454.3	466.1	477.2	498.7	530.3	579.7	649.3	739.9	849.5	951.6
52.5°	413.0	412.8	420.0	433.9	451.4	476.0	516.0	579.4	659.8	757.9	863.2
55°	352.6	354.9	360.4	371.3	384.6	402.1	433.6	481.3	544.5	628.3	723.9
57.5°	306.6	307.8	312.1	316.8	329.0	341.6	365.3	398.4	451.7	520.3	609.5
60°	276.6	277.1	278.4	285.2	294.9	306.8	322.8	350.8	395.6	458.4	528.9
62.5°	247.3	248.1	250.2	255.2	262.7	270.9	287.7	310.1	347.2	400.9	464.4
65°	206.0	206.6	209.7	211.5	217.5	224.8	237.2	252.3	277.9	322.8	370.9
67.5°	172.2	172.2	172.4	174.9	178.9	183.8	191.2	203.3	222.7	250.2	292.6
70°	150.2	150.2	151.1	152.5	154.8	158.9	163.0	172.2	186.4	208.8	241.3
72.5°	129.7	130.0	131.0	131.2	132.4	135.8	138.9	144.7	155.2	172.2	198.5
75°	95.2	96.6	98.9	100.7	103.1	102.5	105.8	109.4	112.6	122.7	137.8
77.5°	70.9	70.2	70.4	72.0	72.2	72.8	75.0	77.8	80.2	85.0	90.4
80°	54.1	54.1	55.4	55.9	55.4	55.9	58.1	59.5	60.4	62.3	67.3
82.5°	40.8	41.6	41.2	41.6	41.8	42.3	44.3	44.5	45.5	46.1	48.3
85°	22.9	23.3	23.8	22.9	22.9	22.9	23.8	24.3	25.2	24.7	25.7
87.5°	9.3	9.0	9.4	9.3	9.6	9.3	9.6	10.2	9.5	9.9	9.7
90°	6.4	6.4	6.7	6.4	6.1	6.1	5.8	5.5	5.2	5.5	4.9
92.5°	23.4	23.4	24.5	26.1	29.7	35.8	44.9	59.8	80.4	96.5	84.5
95°	74.2	78.2	83.7	93.1	108.1	137.5	178.3	225.5	255.0	248.0	187.2
97.5°	198.5	204.8	214.0	232.2	254.1	285.9	315.6	333.1	320.4	261.2	175.1
100°	279.1	281.5	290.6	309.2	335.6	358.2	373.1	367.0	322.5	244.7	158.9
102.5°	349.1	351.1	360.8	374.2	390.4	399.8	395.5	365.3	304.3	223.9	147.9
105°	428.2	430.0	434.2	436.7	436.1	423.6	393.5	340.8	271.1	199.6	138.4
107.5°	457.4	456.7	453.7	446.7	431.7	404.5	362.1	306.1	244.4	186.0	136.7
110°	458.0	455.2	449.8	437.0	415.3	381.9	337.8	285.2	231.0	181.3	137.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	443.6	439.2	431.5	416.0	391.5	358.0	316.3	269.8	223.4	179.2	138.7
115°	411.1	408.7	398.9	380.6	356.6	327.4	291.8	254.4	216.4	178.1	141.5
117.5°	378.2	376.3	366.4	351.1	330.6	305.8	277.8	246.8	213.2	177.7	144.5
120°	359.7	356.4	348.4	335.0	317.7	296.1	271.7	243.4	211.5	177.7	146.7
122.5°	345.1	341.7	335.0	323.6	308.9	290.0	267.9	240.5	209.6	177.5	148.9
125°	328.0	326.2	320.5	311.6	299.5	282.7	261.7	235.6	206.3	177.1	152.1
127.5°	318.1	316.2	311.3	303.5	291.3	275.4	254.4	229.5	202.0	176.4	154.8
130°	312.2	310.4	305.5	297.9	285.4	269.3	248.7	224.5	199.3	176.2	156.7
132.5°	305.7	303.8	299.2	290.6	278.4	262.3	242.0	219.5	196.9	176.0	158.4
135°	293.3	291.5	286.6	278.1	266.0	250.7	232.2	212.4	193.2	175.6	161.0
137.5°	278.1	276.0	271.9	263.6	252.1	238.4	222.7	206.0	190.1	175.6	162.5
140°	267.2	264.8	260.5	253.8	243.1	230.3	216.6	202.3	188.4	175.3	163.7
142.5°	255.5	253.8	250.0	243.8	234.4	223.3	211.5	199.0	186.9	175.3	164.7
145°	239.4	238.0	234.9	229.7	222.1	213.6	204.5	194.2	184.4	174.7	165.2
147.5°	225.3	224.7	222.5	218.0	212.4	205.7	198.4	190.2	182.2	173.6	165.6
150°	217.2	217.0	215.2	211.2	206.3	200.9	194.8	187.8	180.5	172.8	165.6
152.5°	210.0	209.7	208.5	205.3	201.2	196.7	191.1	185.1	178.5	171.6	165.1
155°	200.5	200.5	199.6	197.2	194.2	190.5	185.9	181.1	175.6	169.8	164.4
157.5°	192.3	192.3	191.7	189.9	187.6	184.7	180.8	176.8	172.6	167.9	163.5
160°	187.2	187.2	186.8	185.0	183.2	180.7	177.4	174.1	170.4	166.4	162.8
162.5°	182.3	182.5	182.2	180.4	179.1	176.8	174.3	171.4	168.5	165.0	162.0
165°	175.0	175.3	175.6	174.4	173.1	171.6	169.5	167.6	165.2	162.8	160.7
167.5°	169.2	169.4	169.5	168.7	168.1	167.2	165.5	164.1	162.3	160.6	159.2
170°	165.6	165.6	165.8	165.6	165.0	164.0	162.8	161.9	160.4	159.1	158.3
172.5°	161.9	162.4	162.6	162.4	162.0	161.4	160.6	160.0	158.7	157.6	157.3
175°	157.6	158.3	158.9	158.3	158.3	158.3	157.6	157.3	156.7	156.1	156.1
177.5°	155.2	155.6	156.1	155.8	156.1	155.8	155.8	155.6	155.4	155.2	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1171.0	1165.9	1163.3	1157.4	1150.5	1146.8	1143.5	1138.8	1132.5	1125.9	1121.1
5°	1230.4	1219.4	1205.7	1189.2	1174.6	1160.4	1148.0	1135.7	1121.5	1106.7	1092.1
7.5°	1291.4	1269.8	1246.5	1219.4	1193.2	1169.2	1147.3	1126.2	1102.3	1081.1	1061.6
10°	1333.9	1304.6	1272.0	1237.8	1203.4	1173.6	1144.4	1117.8	1088.5	1062.4	1040.3
12.5°	1368.3	1333.9	1294.8	1252.0	1210.7	1174.7	1141.0	1106.4	1073.1	1044.7	1015.5
15°	1425.5	1378.3	1325.7	1274.4	1220.8	1171.8	1126.4	1086.2	1048.2	1008.3	980.4
17.5°	1464.7	1408.8	1344.8	1283.1	1219.9	1162.1	1109.8	1061.8	1018.0	977.2	944.0
20°	1488.2	1426.4	1355.4	1285.4	1214.4	1152.5	1096.2	1043.1	997.8	953.8	919.5
22.5°	1501.4	1433.0	1355.4	1282.0	1208.5	1141.6	1079.8	1024.4	975.1	931.1	893.1
25°	1505.6	1432.4	1353.1	1268.9	1188.3	1117.3	1053.2	993.2	938.2	894.3	854.0
27.5°	1499.8	1413.5	1332.3	1245.9	1162.7	1087.9	1020.6	957.6	902.6	855.4	814.1
30°	1491.0	1398.4	1311.5	1221.7	1137.5	1065.6	994.5	934.1	876.9	827.9	786.3
32.5°	1471.9	1380.2	1286.5	1194.6	1109.2	1035.2	967.9	907.1	850.9	800.8	756.6
35°	1434.2	1341.3	1239.6	1145.2	1061.4	984.5	921.4	862.7	809.2	755.5	708.9
37.5°	1384.5	1289.5	1188.4	1085.0	1001.2	928.6	870.6	815.5	763.3	714.4	662.6
40°	1337.6	1251.0	1146.6	1044.0	957.9	887.9	834.3	784.4	731.8	683.2	631.5
42.5°	1280.7	1207.0	1101.6	998.6	913.6	846.1	796.3	747.4	699.5	652.5	598.5
45°	1186.0	1130.1	1031.2	932.3	846.7	779.8	734.0	691.0	648.8	604.0	553.2
47.5°	1077.4	1039.6	954.2	852.9	773.7	713.5	669.3	634.1	598.5	553.6	509.0
50°	1001.9	977.7	895.2	802.7	727.2	671.8	626.5	593.5	563.7	520.6	480.8
52.5°	921.4	908.4	838.8	750.4	677.3	623.0	584.3	554.7	524.5	488.8	451.5
55°	798.6	805.5	746.4	669.9	601.2	555.4	520.2	495.4	469.8	439.6	410.8
57.5°	673.1	698.2	658.6	591.4	527.0	484.7	458.2	437.4	415.9	390.8	366.2
60°	598.1	619.1	596.7	537.6	481.3	441.9	417.2	401.1	379.6	356.7	337.9
62.5°	524.8	547.3	534.0	486.3	434.0	400.1	378.3	363.4	347.4	327.4	307.9
65°	432.7	447.4	441.0	408.0	370.9	342.1	321.9	310.9	296.3	281.6	264.2
67.5°	331.4	359.7	356.0	338.5	306.4	283.9	270.7	261.0	247.6	236.8	224.9
70°	272.4	298.6	298.1	283.9	266.5	245.5	236.3	228.1	216.1	205.6	196.0
72.5°	223.0	246.9	250.5	239.6	227.6	211.7	202.9	197.3	185.7	178.5	170.7
75°	156.2	173.6	178.1	178.1	172.6	164.4	156.6	152.9	144.7	138.3	133.7
77.5°	102.4	113.4	120.5	122.2	123.0	120.3	113.8	111.2	105.0	102.6	98.2
80°	72.3	79.6	87.9	90.7	93.0	92.0	89.3	87.5	81.5	79.2	77.4
82.5°	50.0	54.1	60.8	66.8	66.2	68.6	66.2	64.7	60.3	59.4	57.6
85°	26.1	26.5	27.5	31.6	33.9	34.8	35.3	34.4	33.0	33.0	29.8
87.5°	9.6	9.3	9.6	9.6	10.0	11.4	12.3	12.5	11.5	10.6	9.6
90°	4.2	4.2	2.4	2.4	2.2	1.8	0.9	0.3	0.9	1.8	2.2
92.5°	61.5	37.9	22.4	16.1	11.6	7.9	5.1	3.4	5.1	7.9	11.6
95°	114.4	64.5	38.1	25.2	18.0	14.0	10.9	10.1	10.9	14.0	18.0
97.5°	102.9	61.6	41.2	30.6	24.3	20.7	18.0	18.0	18.0	20.7	24.3
100°	96.8	62.4	44.4	34.7	28.9	25.2	23.2	23.2	23.2	25.2	28.9
102.5°	95.1	64.8	48.6	39.3	33.8	30.4	28.5	28.0	28.5	30.4	33.8
105°	95.8	70.6	56.0	47.2	41.7	38.1	36.5	35.6	36.5	38.1	41.7
107.5°	100.4	77.3	64.0	55.3	50.0	46.1	44.6	44.0	44.6	46.1	50.0
110°	103.8	82.5	69.1	60.9	55.4	51.7	50.2	49.6	50.2	51.7	55.4





TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	107.5	87.3	74.4	66.2	60.7	57.3	55.5	54.9	55.5	57.3	60.7
115°	113.2	95.0	82.7	74.6	68.8	65.7	63.6	62.7	63.6	65.7	68.8
117.5°	119.1	102.3	90.7	82.2	76.8	73.4	71.5	70.7	71.5	73.4	76.8
120°	123.2	107.5	95.8	87.3	82.1	78.8	76.7	76.1	76.7	78.8	82.1
122.5°	127.2	112.3	100.7	92.5	86.8	83.7	81.5	80.9	81.5	83.7	86.8
125°	132.9	119.0	108.1	99.5	93.8	90.4	88.5	87.3	88.5	90.4	93.8
127.5°	138.0	125.2	114.6	106.0	100.0	96.2	93.9	93.0	93.9	96.2	100.0
130°	141.2	129.3	119.0	110.1	104.4	99.8	97.4	96.2	97.4	99.8	104.4
132.5°	144.4	132.8	122.3	114.1	107.8	103.5	100.3	99.4	100.3	103.5	107.8
135°	148.5	137.5	127.5	119.6	113.2	108.1	105.0	103.8	105.0	108.1	113.2
137.5°	151.4	141.2	131.8	124.2	117.6	112.7	109.3	108.2	109.3	112.7	117.6
140°	153.3	143.6	134.5	127.2	120.8	115.6	112.3	111.4	112.3	115.6	120.8
142.5°	154.8	145.9	136.9	129.8	123.7	118.8	115.7	114.8	115.7	118.8	123.7
145°	156.4	148.2	140.3	133.6	127.8	123.6	120.5	119.6	120.5	123.6	127.8
147.5°	157.8	150.6	143.2	137.2	132.3	128.0	125.3	125.0	125.3	128.0	132.3
150°	158.5	151.9	145.2	139.4	134.8	131.1	128.7	128.4	128.7	131.1	134.8
152.5°	159.0	152.8	146.9	141.5	137.5	134.1	131.6	131.6	131.6	134.1	137.5
155°	159.5	154.3	149.1	144.6	141.2	138.2	136.3	136.0	136.3	138.2	141.2
157.5°	159.5	155.3	150.9	147.3	144.4	142.1	140.3	140.3	140.3	142.1	144.4
160°	159.5	155.8	152.1	148.8	146.4	144.2	143.0	143.0	143.0	144.2	146.4
162.5°	159.5	156.3	152.9	150.2	148.1	146.2	145.3	145.4	145.3	146.2	148.1
165°	158.9	156.4	153.7	151.9	150.3	148.8	148.2	148.2	148.2	148.8	150.3
167.5°	158.1	156.4	154.4	152.9	152.1	150.9	150.6	150.9	150.6	150.9	152.1
170°	157.6	156.1	154.5	153.7	153.1	152.1	151.9	152.1	151.9	152.1	153.1
172.5°	157.1	155.8	154.8	154.1	153.8	153.1	153.1	153.3	153.1	153.1	153.8
175°	156.4	155.5	154.9	154.9	154.5	154.3	154.3	154.5	154.3	154.3	154.5
177.5°	155.6	155.2	154.9	154.9	154.9	154.6	154.9	155.2	154.9	154.6	154.9
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1116.0	1112.3	1107.6	1102.1	1095.5	1089.7	1087.1	1089.3	1090.4	1087.4	1087.1
5°	1082.0	1070.6	1061.4	1047.7	1036.7	1027.5	1021.1	1018.4	1019.3	1012.0	1010.1
7.5°	1043.9	1030.3	1015.3	999.0	983.8	970.3	963.3	959.4	951.7	948.3	942.7
10°	1019.3	1001.0	986.4	967.1	949.7	933.7	925.9	919.5	911.7	908.0	900.3
12.5°	994.0	972.8	956.7	936.7	918.9	899.6	892.2	880.3	868.1	860.4	850.4
15°	958.4	932.8	913.1	889.2	868.2	846.2	826.6	804.5	796.3	778.9	768.9
17.5°	916.7	890.7	866.3	834.4	801.9	774.6	753.6	732.5	720.0	708.9	703.7
20°	889.2	865.5	831.6	794.4	758.3	728.1	711.1	697.4	683.6	675.9	670.4
22.5°	863.2	832.8	793.5	753.5	717.3	693.6	679.2	665.1	654.0	646.6	639.2
25°	819.7	779.8	738.1	692.3	667.6	647.0	631.5	620.0	613.1	603.6	599.9
27.5°	774.9	726.6	680.6	649.9	624.1	605.3	591.7	583.1	574.4	568.3	563.5
30°	740.5	691.5	650.2	621.0	594.9	579.3	568.3	558.2	551.3	546.3	542.6
32.5°	706.4	657.4	622.8	591.2	570.7	555.4	543.7	536.2	530.8	524.3	522.1
35°	657.1	613.6	583.4	555.0	533.9	520.2	511.0	503.3	498.7	496.8	495.4
37.5°	609.8	574.1	541.7	518.3	499.6	488.8	477.9	474.2	471.0	467.7	469.2
40°	579.7	546.3	517.5	492.8	477.6	465.7	459.3	454.7	451.9	451.9	451.9
42.5°	553.7	521.0	492.9	470.7	455.6	445.6	438.4	434.5	433.6	433.3	435.5
45°	513.3	483.1	454.7	436.4	423.5	413.5	409.4	406.1	406.1	408.0	408.5
47.5°	473.3	445.0	422.2	401.7	389.9	383.7	380.0	378.4	378.6	380.5	382.5
50°	448.8	420.9	398.4	380.0	369.1	363.1	359.9	359.0	359.9	359.9	363.1
52.5°	422.0	397.0	375.0	359.6	347.1	341.5	339.8	338.5	339.1	340.5	341.9
55°	382.8	360.4	339.3	324.7	315.5	311.9	307.7	308.2	307.3	308.2	308.2
57.5°	343.5	323.4	303.8	292.1	284.1	278.8	274.3	275.6	274.2	274.1	273.3
60°	318.2	296.3	280.7	270.2	261.0	256.4	252.3	253.2	251.8	250.9	249.1
62.5°	290.8	272.4	257.6	247.5	240.1	234.8	230.7	229.8	226.6	223.4	219.5
65°	250.9	235.8	222.6	212.9	206.0	201.9	198.7	196.0	189.1	181.8	178.1
67.5°	212.2	201.3	188.9	180.8	175.2	169.8	163.7	159.0	152.6	148.5	146.3
70°	187.3	176.8	166.3	158.4	152.5	147.5	140.6	137.4	132.8	131.0	128.6
72.5°	163.5	153.7	143.9	136.8	130.5	126.6	121.1	118.0	116.0	115.2	113.0
75°	127.3	119.5	112.2	105.8	100.7	98.0	95.7	93.4	92.5	88.3	86.1
77.5°	92.9	87.7	83.2	78.6	75.0	73.2	68.8	66.1	64.6	62.7	62.2
80°	72.3	68.7	64.1	61.4	56.3	54.5	52.7	52.2	51.7	51.3	50.8
82.5°	54.4	50.7	46.1	44.5	43.1	42.0	40.9	40.5	40.0	40.3	40.2
85°	27.5	25.7	25.7	25.2	24.7	24.3	23.8	23.8	23.3	23.8	23.3
87.5°	9.6	9.3	9.6	8.9	9.4	9.6	9.1	9.1	9.6	8.9	8.9
90°	2.4	2.4	4.2	4.2	4.9	5.5	5.2	5.5	5.8	6.1	6.1
92.5°	16.1	22.4	37.9	61.5	84.5	96.5	80.4	59.8	44.9	35.8	29.7
95°	25.2	38.1	64.5	114.4	187.2	248.0	255.0	225.5	178.3	137.5	108.1
97.5°	30.6	41.2	61.6	102.9	175.1	261.2	320.4	333.1	315.6	285.9	254.1
100°	34.7	44.4	62.4	96.8	158.9	244.7	322.5	367.0	373.1	358.2	335.6
102.5°	39.3	48.6	64.8	95.1	147.9	223.9	304.3	365.3	395.5	399.8	390.4
105°	47.2	56.0	70.6	95.8	138.4	199.6	271.1	340.8	393.5	423.6	436.1
107.5°	55.3	64.0	77.3	100.4	136.7	186.0	244.4	306.1	362.1	404.5	431.7
110°	60.9	69.1	82.5	103.8	137.2	181.3	231.0	285.2	337.8	381.9	415.3



TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	66.2	74.4	87.3	107.5	138.7	179.2	223.4	269.8	316.3	358.0	391.5
115°	74.6	82.7	95.0	113.2	141.5	178.1	216.4	254.4	291.8	327.4	356.6
117.5°	82.2	90.7	102.3	119.1	144.5	177.7	213.2	246.8	277.8	305.8	330.6
120°	87.3	95.8	107.5	123.2	146.7	177.7	211.5	243.4	271.7	296.1	317.7
122.5°	92.5	100.7	112.3	127.2	148.9	177.5	209.6	240.5	267.9	290.0	308.9
125°	99.5	108.1	119.0	132.9	152.1	177.1	206.3	235.6	261.7	282.7	299.5
127.5°	106.0	114.6	125.2	138.0	154.8	176.4	202.0	229.5	254.4	275.4	291.3
130°	110.1	119.0	129.3	141.2	156.7	176.2	199.3	224.5	248.7	269.3	285.4
132.5°	114.1	122.3	132.8	144.4	158.4	176.0	196.9	219.5	242.0	262.3	278.4
135°	119.6	127.5	137.5	148.5	161.0	175.6	193.2	212.4	232.2	250.7	266.0
137.5°	124.2	131.8	141.2	151.4	162.5	175.6	190.1	206.0	222.7	238.4	252.1
140°	127.2	134.5	143.6	153.3	163.7	175.3	188.4	202.3	216.6	230.3	243.1
142.5°	129.8	136.9	145.9	154.8	164.7	175.3	186.9	199.0	211.5	223.3	234.4
145°	133.6	140.3	148.2	156.4	165.2	174.7	184.4	194.2	204.5	213.6	222.1
147.5°	137.2	143.2	150.6	157.8	165.6	173.6	182.2	190.2	198.4	205.7	212.4
150°	139.4	145.2	151.9	158.5	165.6	172.8	180.5	187.8	194.8	200.9	206.3
152.5°	141.5	146.9	152.8	159.0	165.1	171.6	178.5	185.1	191.1	196.7	201.2
155°	144.6	149.1	154.3	159.5	164.4	169.8	175.6	181.1	185.9	190.5	194.2
157.5°	147.3	150.9	155.3	159.5	163.5	167.9	172.6	176.8	180.8	184.7	187.6
160°	148.8	152.1	155.8	159.5	162.8	166.4	170.4	174.1	177.4	180.7	183.2
162.5°	150.2	152.9	156.3	159.5	162.0	165.0	168.5	171.4	174.3	176.8	179.1
165°	151.9	153.7	156.4	158.9	160.7	162.8	165.2	167.6	169.5	171.6	173.1
167.5°	152.9	154.4	156.4	158.1	159.2	160.6	162.3	164.1	165.5	167.2	168.1
170°	153.7	154.5	156.1	157.6	158.3	159.1	160.4	161.9	162.8	164.0	165.0
172.5°	154.1	154.8	155.8	157.1	157.3	157.6	158.7	160.0	160.6	161.4	162.0
175°	154.9	154.9	155.5	156.4	156.1	156.1	156.7	157.3	157.6	158.3	158.3
177.5°	154.9	154.9	155.2	155.6	155.2	155.2	155.4	155.6	155.8	155.8	156.1
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1084.9	1085.6	1083.1	1082.3	1083.1	1085.6	1084.9	1087.1	1087.4	1090.4	1089.3
5°	1006.5	1005.6	1003.3	1003.8	1003.3	1005.6	1006.5	1010.1	1012.0	1019.3	1018.4
7.5°	939.4	935.9	936.9	933.2	936.9	935.9	939.4	942.7	948.3	951.7	959.4
10°	898.5	893.4	889.2	885.6	889.2	893.4	898.5	900.3	908.0	911.7	919.5
12.5°	842.4	838.1	832.5	833.6	832.5	838.1	842.4	850.4	860.4	868.1	880.3
15°	762.8	756.0	745.0	746.4	745.0	756.0	762.8	768.9	778.9	796.3	804.5
17.5°	695.6	695.7	690.6	691.8	690.6	695.7	695.6	703.7	708.9	720.0	732.5
20°	660.7	657.5	658.0	656.7	658.0	657.5	660.7	670.4	675.9	683.6	697.4
22.5°	636.6	632.7	629.5	626.6	629.5	632.7	636.6	639.2	646.6	654.0	665.1
25°	595.7	593.0	588.8	588.0	588.8	593.0	595.7	599.9	603.6	613.1	620.0
27.5°	559.8	559.3	557.7	555.5	557.7	559.3	559.8	563.5	568.3	574.4	583.1
30°	539.0	538.0	537.1	535.7	537.1	538.0	539.0	542.6	546.3	551.3	558.2
32.5°	520.3	519.7	518.8	518.9	518.8	519.7	520.3	522.1	524.3	530.8	536.2
35°	493.6	493.2	492.2	491.8	492.2	493.2	493.6	495.4	496.8	498.7	503.3
37.5°	468.7	469.9	469.3	469.2	469.3	469.9	468.7	469.2	467.7	471.0	474.2
40°	451.5	451.9	452.9	452.5	452.9	451.9	451.5	451.9	451.9	451.9	454.7
42.5°	437.2	437.3	438.6	437.0	438.6	437.3	437.2	435.5	433.3	433.6	434.5
45°	411.6	414.4	414.0	414.0	414.0	414.4	411.6	408.5	408.0	406.1	406.1
47.5°	383.7	386.1	386.8	386.7	386.8	386.1	383.7	382.5	380.5	378.6	378.4
50°	365.4	364.5	365.8	365.4	365.8	364.5	365.4	363.1	359.9	359.9	359.0
52.5°	343.1	343.3	343.2	342.7	343.2	343.3	343.1	341.9	340.5	339.1	338.5
55°	308.7	309.1	308.2	308.7	308.2	309.1	308.7	308.2	308.2	307.3	308.2
57.5°	271.3	269.1	270.0	268.9	270.0	269.1	271.3	273.3	274.1	274.2	275.6
60°	244.5	240.8	240.0	238.2	240.0	240.8	244.5	249.1	250.9	251.8	253.2
62.5°	214.5	211.9	208.8	210.3	208.8	211.9	214.5	219.5	223.4	226.6	229.8
65°	174.4	172.6	171.3	173.1	171.3	172.6	174.4	178.1	181.8	189.1	196.0
67.5°	144.4	143.4	143.4	142.5	143.4	143.4	144.4	146.3	148.5	152.6	159.0
70°	128.6	127.3	127.3	126.4	127.3	127.3	128.6	128.6	131.0	132.8	137.4
72.5°	112.5	111.2	111.6	111.0	111.6	111.2	112.5	113.0	115.2	116.0	118.0
75°	83.3	81.0	81.0	81.5	81.0	81.0	83.3	86.1	88.3	92.5	93.4
77.5°	62.2	61.7	62.3	61.6	62.3	61.7	62.2	62.2	62.7	64.6	66.1
80°	50.8	50.4	49.9	51.3	49.9	50.4	50.8	50.8	51.3	51.7	52.2
82.5°	39.4	39.3	39.3	41.1	39.3	39.3	39.4	40.2	40.3	40.0	40.5
85°	23.8	22.9	23.8	22.9	23.8	22.9	23.8	23.3	23.8	23.3	23.8
87.5°	9.7	9.4	9.0	9.3	9.0	9.4	9.7	8.9	8.9	9.6	9.1
90°	6.4	6.7	6.4	6.4	6.4	6.7	6.4	6.1	6.1	5.8	5.5
92.5°	26.1	24.5	23.4	23.4	23.4	24.5	26.1	29.7	35.8	44.9	59.8
95°	93.1	83.7	78.2	74.2	78.2	83.7	93.1	108.1	137.5	178.3	225.5
97.5°	232.2	214.0	204.8	198.5	204.8	214.0	232.2	254.1	285.9	315.6	333.1
100°	309.2	290.6	281.5	279.1	281.5	290.6	309.2	335.6	358.2	373.1	367.0
102.5°	374.2	360.8	351.1	349.1	351.1	360.8	374.2	390.4	399.8	395.5	365.3
105°	436.7	434.2	430.0	428.2	430.0	434.2	436.7	436.1	423.6	393.5	340.8
107.5°	446.7	453.7	456.7	457.4	456.7	453.7	446.7	431.7	404.5	362.1	306.1
110°	437.0	449.8	455.2	458.0	455.2	449.8	437.0	415.3	381.9	337.8	285.2



TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	416.0	431.5	439.2	443.6	439.2	431.5	416.0	391.5	358.0	316.3	269.8
115°	380.6	398.9	408.7	411.1	408.7	398.9	380.6	356.6	327.4	291.8	254.4
117.5°	351.1	366.4	376.3	378.2	376.3	366.4	351.1	330.6	305.8	277.8	246.8
120°	335.0	348.4	356.4	359.7	356.4	348.4	335.0	317.7	296.1	271.7	243.4
122.5°	323.6	335.0	341.7	345.1	341.7	335.0	323.6	308.9	290.0	267.9	240.5
125°	311.6	320.5	326.2	328.0	326.2	320.5	311.6	299.5	282.7	261.7	235.6
127.5°	303.5	311.3	316.2	318.1	316.2	311.3	303.5	291.3	275.4	254.4	229.5
130°	297.9	305.5	310.4	312.2	310.4	305.5	297.9	285.4	269.3	248.7	224.5
132.5°	290.6	299.2	303.8	305.7	303.8	299.2	290.6	278.4	262.3	242.0	219.5
135°	278.1	286.6	291.5	293.3	291.5	286.6	278.1	266.0	250.7	232.2	212.4
137.5°	263.6	271.9	276.0	278.1	276.0	271.9	263.6	252.1	238.4	222.7	206.0
140°	253.8	260.5	264.8	267.2	264.8	260.5	253.8	243.1	230.3	216.6	202.3
142.5°	243.8	250.0	253.8	255.5	253.8	250.0	243.8	234.4	223.3	211.5	199.0
145°	229.7	234.9	238.0	239.4	238.0	234.9	229.7	222.1	213.6	204.5	194.2
147.5°	218.0	222.5	224.7	225.3	224.7	222.5	218.0	212.4	205.7	198.4	190.2
150°	211.2	215.2	217.0	217.2	217.0	215.2	211.2	206.3	200.9	194.8	187.8
152.5°	205.3	208.5	209.7	210.0	209.7	208.5	205.3	201.2	196.7	191.1	185.1
155°	197.2	199.6	200.5	200.5	200.5	199.6	197.2	194.2	190.5	185.9	181.1
157.5°	189.9	191.7	192.3	192.3	192.3	191.7	189.9	187.6	184.7	180.8	176.8
160°	185.0	186.8	187.2	187.2	187.2	186.8	185.0	183.2	180.7	177.4	174.1
162.5°	180.4	182.2	182.5	182.3	182.5	182.2	180.4	179.1	176.8	174.3	171.4
165°	174.4	175.6	175.3	175.0	175.3	175.6	174.4	173.1	171.6	169.5	167.6
167.5°	168.7	169.5	169.4	169.2	169.4	169.5	168.7	168.1	167.2	165.5	164.1
170°	165.6	165.8	165.6	165.6	165.6	165.8	165.6	165.0	164.0	162.8	161.9
172.5°	162.4	162.6	162.4	161.9	162.4	162.6	162.4	162.0	161.4	160.6	160.0
175°	158.3	158.9	158.3	157.6	158.3	158.9	158.3	158.3	158.3	157.6	157.3
177.5°	155.8	156.1	155.6	155.2	155.6	156.1	155.8	156.1	155.8	155.8	155.6
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1087.1	1089.7	1095.5	1102.1	1107.6	1112.3	1116.0	1121.1	1125.9	1132.5	1138.8
5°	1021.1	1027.5	1036.7	1047.7	1061.4	1070.6	1082.0	1092.1	1106.7	1121.5	1135.7
7.5°	963.3	970.3	983.8	999.0	1015.3	1030.3	1043.9	1061.6	1081.1	1102.3	1126.2
10°	925.9	933.7	949.7	967.1	986.4	1001.0	1019.3	1040.3	1062.4	1088.5	1117.8
12.5°	892.2	899.6	918.9	936.7	956.7	972.8	994.0	1015.5	1044.7	1073.1	1106.4
15°	826.6	846.2	868.2	889.2	913.1	932.8	958.4	980.4	1008.3	1048.2	1086.2
17.5°	753.6	774.6	801.9	834.4	866.3	890.7	916.7	944.0	977.2	1018.0	1061.8
20°	711.1	728.1	758.3	794.4	831.6	865.5	889.2	919.5	953.8	997.8	1043.1
22.5°	679.2	693.6	717.3	753.5	793.5	832.8	863.2	893.1	931.1	975.1	1024.4
25°	631.5	647.0	667.6	692.3	738.1	779.8	819.7	854.0	894.3	938.2	993.2
27.5°	591.7	605.3	624.1	649.9	680.6	726.6	774.9	814.1	855.4	902.6	957.6
30°	568.3	579.3	594.9	621.0	650.2	691.5	740.5	786.3	827.9	876.9	934.1
32.5°	543.7	555.4	570.7	591.2	622.8	657.4	706.4	756.6	800.8	850.9	907.1
35°	511.0	520.2	533.9	555.0	583.4	613.6	657.1	708.9	755.5	809.2	862.7
37.5°	477.9	488.8	499.6	518.3	541.7	574.1	609.8	662.6	714.4	763.3	815.5
40°	459.3	465.7	477.6	492.8	517.5	546.3	579.7	631.5	683.2	731.8	784.4
42.5°	438.4	445.6	455.6	470.7	492.9	521.0	553.7	598.5	652.5	699.5	747.4
45°	409.4	413.5	423.5	436.4	454.7	483.1	513.3	553.2	604.0	648.8	691.0
47.5°	380.0	383.7	389.9	401.7	422.2	445.0	473.3	509.0	553.6	598.5	634.1
50°	359.9	363.1	369.1	380.0	398.4	420.9	448.8	480.8	520.6	563.7	593.5
52.5°	339.8	341.5	347.1	359.6	375.0	397.0	422.0	451.5	488.8	524.5	554.7
55°	307.7	311.9	315.5	324.7	339.3	360.4	382.8	410.8	439.6	469.8	495.4
57.5°	274.3	278.8	284.1	292.1	303.8	323.4	343.5	366.2	390.8	415.9	437.4
60°	252.3	256.4	261.0	270.2	280.7	296.3	318.2	337.9	356.7	379.6	401.1
62.5°	230.7	234.8	240.1	247.5	257.6	272.4	290.8	307.9	327.4	347.4	363.4
65°	198.7	201.9	206.0	212.9	222.6	235.8	250.9	264.2	281.6	296.3	310.9
67.5°	163.7	169.8	175.2	180.8	188.9	201.3	212.2	224.9	236.8	247.6	261.0
70°	140.6	147.5	152.5	158.4	166.3	176.8	187.3	196.0	205.6	216.1	228.1
72.5°	121.1	126.6	130.5	136.8	143.9	153.7	163.5	170.7	178.5	185.7	197.3
75°	95.7	98.0	100.7	105.8	112.2	119.5	127.3	133.7	138.3	144.7	152.9
77.5°	68.8	73.2	75.0	78.6	83.2	87.7	92.9	98.2	102.6	105.0	111.2
80°	52.7	54.5	56.3	61.4	64.1	68.7	72.3	77.4	79.2	81.5	87.5
82.5°	40.9	42.0	43.1	44.5	46.1	50.7	54.4	57.6	59.4	60.3	64.7
85°	23.8	24.3	24.7	25.2	25.7	25.7	27.5	29.8	33.0	33.0	34.4
87.5°	9.1	9.6	9.4	8.9	9.6	9.3	9.6	9.6	10.6	11.5	12.5
90°	5.2	5.5	4.9	4.2	4.2	2.4	2.4	2.2	1.8	0.9	0.3
92.5°	80.4	96.5	84.5	61.5	37.9	22.4	16.1	11.6	7.9	5.1	3.4
95°	255.0	248.0	187.2	114.4	64.5	38.1	25.2	18.0	14.0	10.9	10.1
97.5°	320.4	261.2	175.1	102.9	61.6	41.2	30.6	24.3	20.7	18.0	18.0
100°	322.5	244.7	158.9	96.8	62.4	44.4	34.7	28.9	25.2	23.2	23.2
102.5°	304.3	223.9	147.9	95.1	64.8	48.6	39.3	33.8	30.4	28.5	28.0
105°	271.1	199.6	138.4	95.8	70.6	56.0	47.2	41.7	38.1	36.5	35.6
107.5°	244.4	186.0	136.7	100.4	77.3	64.0	55.3	50.0	46.1	44.6	44.0
110°	231.0	181.3	137.2	103.8	82.5	69.1	60.9	55.4	51.7	50.2	49.6



TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	223.4	179.2	138.7	107.5	87.3	74.4	66.2	60.7	57.3	55.5	54.9
115°	216.4	178.1	141.5	113.2	95.0	82.7	74.6	68.8	65.7	63.6	62.7
117.5°	213.2	177.7	144.5	119.1	102.3	90.7	82.2	76.8	73.4	71.5	70.7
120°	211.5	177.7	146.7	123.2	107.5	95.8	87.3	82.1	78.8	76.7	76.1
122.5°	209.6	177.5	148.9	127.2	112.3	100.7	92.5	86.8	83.7	81.5	80.9
125°	206.3	177.1	152.1	132.9	119.0	108.1	99.5	93.8	90.4	88.5	87.3
127.5°	202.0	176.4	154.8	138.0	125.2	114.6	106.0	100.0	96.2	93.9	93.0
130°	199.3	176.2	156.7	141.2	129.3	119.0	110.1	104.4	99.8	97.4	96.2
132.5°	196.9	176.0	158.4	144.4	132.8	122.3	114.1	107.8	103.5	100.3	99.4
135°	193.2	175.6	161.0	148.5	137.5	127.5	119.6	113.2	108.1	105.0	103.8
137.5°	190.1	175.6	162.5	151.4	141.2	131.8	124.2	117.6	112.7	109.3	108.2
140°	188.4	175.3	163.7	153.3	143.6	134.5	127.2	120.8	115.6	112.3	111.4
142.5°	186.9	175.3	164.7	154.8	145.9	136.9	129.8	123.7	118.8	115.7	114.8
145°	184.4	174.7	165.2	156.4	148.2	140.3	133.6	127.8	123.6	120.5	119.6
147.5°	182.2	173.6	165.6	157.8	150.6	143.2	137.2	132.3	128.0	125.3	125.0
150°	180.5	172.8	165.6	158.5	151.9	145.2	139.4	134.8	131.1	128.7	128.4
152.5°	178.5	171.6	165.1	159.0	152.8	146.9	141.5	137.5	134.1	131.6	131.6
155°	175.6	169.8	164.4	159.5	154.3	149.1	144.6	141.2	138.2	136.3	136.0
157.5°	172.6	167.9	163.5	159.5	155.3	150.9	147.3	144.4	142.1	140.3	140.3
160°	170.4	166.4	162.8	159.5	155.8	152.1	148.8	146.4	144.2	143.0	143.0
162.5°	168.5	165.0	162.0	159.5	156.3	152.9	150.2	148.1	146.2	145.3	145.4
165°	165.2	162.8	160.7	158.9	156.4	153.7	151.9	150.3	148.8	148.2	148.2
167.5°	162.3	160.6	159.2	158.1	156.4	154.4	152.9	152.1	150.9	150.6	150.9
170°	160.4	159.1	158.3	157.6	156.1	154.5	153.7	153.1	152.1	151.9	152.1
172.5°	158.7	157.6	157.3	157.1	155.8	154.8	154.1	153.8	153.1	153.1	153.3
175°	156.7	156.1	156.1	156.4	155.5	154.9	154.9	154.5	154.3	154.3	154.5
177.5°	155.4	155.2	155.2	155.6	155.2	154.9	154.9	154.9	154.6	154.9	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332927-935

CATALOG NUMBER: S124RDIP-S795D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1143.5	1146.8	1150.5	1157.4	1163.3	1165.9	1171.0	1174.7	1173.5	1178.6	1187.5
5°	1148.0	1160.4	1174.6	1189.2	1205.7	1219.4	1230.4	1241.4	1250.1	1260.6	1276.2
7.5°	1147.3	1169.2	1193.2	1219.4	1246.5	1269.8	1291.4	1313.4	1332.9	1354.3	1382.2
10°	1144.4	1173.6	1203.4	1237.8	1272.0	1304.6	1333.9	1361.4	1387.5	1415.4	1450.7
12.5°	1141.0	1174.7	1210.7	1252.0	1294.8	1333.9	1368.3	1407.9	1440.6	1476.6	1517.3
15°	1126.4	1171.8	1220.8	1274.4	1325.7	1378.3	1425.5	1474.0	1519.3	1562.4	1613.7
17.5°	1109.8	1162.1	1219.9	1283.1	1344.8	1408.8	1464.7	1526.0	1572.3	1630.0	1677.7
20°	1096.2	1152.5	1214.4	1285.4	1355.4	1426.4	1488.2	1550.5	1602.7	1660.9	1721.3
22.5°	1079.8	1141.6	1208.5	1282.0	1355.4	1433.0	1501.4	1563.3	1628.0	1693.4	1755.8
25°	1053.2	1117.3	1188.3	1268.9	1353.1	1432.4	1505.6	1582.5	1652.2	1723.1	1779.0
27.5°	1020.6	1087.9	1162.7	1245.9	1332.3	1413.5	1499.8	1581.7	1651.7	1720.1	1768.8
30°	994.5	1065.6	1137.5	1221.7	1311.5	1398.4	1491.0	1573.0	1646.7	1708.1	1735.5
32.5°	967.9	1035.2	1109.2	1194.6	1286.5	1380.2	1471.9	1555.7	1623.9	1660.8	1661.5
35°	921.4	984.5	1061.4	1145.2	1239.6	1341.3	1434.2	1516.6	1558.2	1561.5	1516.6
37.5°	870.6	928.6	1001.2	1085.0	1188.4	1289.5	1384.5	1439.4	1453.3	1406.7	1323.7
40°	834.3	887.9	957.9	1044.0	1146.6	1251.0	1337.6	1377.9	1363.2	1287.6	1195.2
42.5°	796.3	846.1	913.6	998.6	1101.6	1207.0	1280.7	1302.4	1263.6	1176.3	1068.1
45°	734.0	779.8	846.7	932.3	1031.2	1130.1	1186.0	1175.0	1110.4	1006.9	885.6
47.5°	669.3	713.5	773.7	852.9	954.2	1039.6	1077.4	1044.2	952.4	838.5	739.8
50°	626.5	671.8	727.2	802.7	895.2	977.7	1001.9	951.6	849.5	739.9	649.3
52.5°	584.3	623.0	677.3	750.4	838.8	908.4	921.4	863.2	757.9	659.8	579.4
55°	520.2	555.4	601.2	669.9	746.4	805.5	798.6	723.9	628.3	544.5	481.3
57.5°	458.2	484.7	527.0	591.4	658.6	698.2	673.1	609.5	520.3	451.7	398.4
60°	417.2	441.9	481.3	537.6	596.7	619.1	598.1	528.9	458.4	395.6	350.8
62.5°	378.3	400.1	434.0	486.3	534.0	547.3	524.8	464.4	400.9	347.2	310.1
65°	321.9	342.1	370.9	408.0	441.0	447.4	432.7	370.9	322.8	277.9	252.3
67.5°	270.7	283.9	306.4	338.5	356.0	359.7	331.4	292.6	250.2	222.7	203.3
70°	236.3	245.5	266.5	283.9	298.1	298.6	272.4	241.3	208.8	186.4	172.2
72.5°	202.9	211.7	227.6	239.6	250.5	246.9	223.0	198.5	172.2	155.2	144.7
75°	156.6	164.4	172.6	178.1	178.1	173.6	156.2	137.8	122.7	112.6	109.4
77.5°	113.8	120.3	123.0	122.2	120.5	113.4	102.4	90.4	85.0	80.2	77.8
80°	89.3	92.0	93.0	90.7	87.9	79.6	72.3	67.3	62.3	60.4	59.5
82.5°	66.2	68.6	66.2	66.8	60.8	54.1	50.0	48.3	46.1	45.5	44.5
85°	35.3	34.8	33.9	31.6	27.5	26.5	26.1	25.7	24.7	25.2	24.3
87.5°	12.3	11.4	10.0	9.6	9.6	9.3	9.6	9.7	9.9	9.5	10.2
90°	0.9	1.8	2.2	2.4	2.4	4.2	4.2	4.9	5.5	5.2	5.5
92.5°	5.1	7.9	11.6	16.1	22.4	37.9	61.5	84.5	96.5	80.4	59.8
95°	10.9	14.0	18.0	25.2	38.1	64.5	114.4	187.2	248.0	255.0	225.5
97.5°	18.0	20.7	24.3	30.6	41.2	61.6	102.9	175.1	261.2	320.4	333.1
100°	23.2	25.2	28.9	34.7	44.4	62.4	96.8	158.9	244.7	322.5	367.0
102.5°	28.5	30.4	33.8	39.3	48.6	64.8	95.1	147.9	223.9	304.3	365.3
105°	36.5	38.1	41.7	47.2	56.0	70.6	95.8	138.4	199.6	271.1	340.8
107.5°	44.6	46.1	50.0	55.3	64.0	77.3	100.4	136.7	186.0	244.4	306.1
110°	50.2	51.7	55.4	60.9	69.1	82.5	103.8	137.2	181.3	231.0	285.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.5	57.3	60.7	66.2	74.4	87.3	107.5	138.7	179.2	223.4	269.8
115°	63.6	65.7	68.8	74.6	82.7	95.0	113.2	141.5	178.1	216.4	254.4
117.5°	71.5	73.4	76.8	82.2	90.7	102.3	119.1	144.5	177.7	213.2	246.8
120°	76.7	78.8	82.1	87.3	95.8	107.5	123.2	146.7	177.7	211.5	243.4
122.5°	81.5	83.7	86.8	92.5	100.7	112.3	127.2	148.9	177.5	209.6	240.5
125°	88.5	90.4	93.8	99.5	108.1	119.0	132.9	152.1	177.1	206.3	235.6
127.5°	93.9	96.2	100.0	106.0	114.6	125.2	138.0	154.8	176.4	202.0	229.5
130°	97.4	99.8	104.4	110.1	119.0	129.3	141.2	156.7	176.2	199.3	224.5
132.5°	100.3	103.5	107.8	114.1	122.3	132.8	144.4	158.4	176.0	196.9	219.5
135°	105.0	108.1	113.2	119.6	127.5	137.5	148.5	161.0	175.6	193.2	212.4
137.5°	109.3	112.7	117.6	124.2	131.8	141.2	151.4	162.5	175.6	190.1	206.0
140°	112.3	115.6	120.8	127.2	134.5	143.6	153.3	163.7	175.3	188.4	202.3
142.5°	115.7	118.8	123.7	129.8	136.9	145.9	154.8	164.7	175.3	186.9	199.0
145°	120.5	123.6	127.8	133.6	140.3	148.2	156.4	165.2	174.7	184.4	194.2
147.5°	125.3	128.0	132.3	137.2	143.2	150.6	157.8	165.6	173.6	182.2	190.2
150°	128.7	131.1	134.8	139.4	145.2	151.9	158.5	165.6	172.8	180.5	187.8
152.5°	131.6	134.1	137.5	141.5	146.9	152.8	159.0	165.1	171.6	178.5	185.1
155°	136.3	138.2	141.2	144.6	149.1	154.3	159.5	164.4	169.8	175.6	181.1
157.5°	140.3	142.1	144.4	147.3	150.9	155.3	159.5	163.5	167.9	172.6	176.8
160°	143.0	144.2	146.4	148.8	152.1	155.8	159.5	162.8	166.4	170.4	174.1
162.5°	145.3	146.2	148.1	150.2	152.9	156.3	159.5	162.0	165.0	168.5	171.4
165°	148.2	148.8	150.3	151.9	153.7	156.4	158.9	160.7	162.8	165.2	167.6
167.5°	150.6	150.9	152.1	152.9	154.4	156.4	158.1	159.2	160.6	162.3	164.1
170°	151.9	152.1	153.1	153.7	154.5	156.1	157.6	158.3	159.1	160.4	161.9
172.5°	153.1	153.1	153.8	154.1	154.8	155.8	157.1	157.3	157.6	158.7	160.0
175°	154.3	154.3	154.5	154.9	154.9	155.5	156.4	156.1	156.1	156.7	157.3
177.5°	154.9	154.6	154.9	154.9	154.9	155.2	155.6	155.2	155.2	155.4	155.6
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1192.2	1193.7	1194.8	1198.4	1198.8	1202.1	1198.8
5°	1290.8	1297.3	1307.3	1317.4	1318.4	1324.7	1313.3
7.5°	1401.4	1416.3	1425.6	1441.8	1448.3	1452.3	1445.7
10°	1477.6	1491.4	1515.7	1527.6	1539.5	1541.4	1535.9
12.5°	1551.3	1573.1	1592.2	1614.8	1614.2	1630.4	1624.4
15°	1649.4	1671.8	1698.4	1723.5	1732.8	1732.8	1740.1
17.5°	1719.3	1760.5	1788.0	1807.8	1829.4	1833.1	1830.6
20°	1766.6	1811.0	1840.4	1866.0	1880.7	1884.7	1884.7
22.5°	1801.8	1839.6	1868.2	1891.3	1903.3	1908.2	1906.8
25°	1826.2	1858.6	1876.0	1882.9	1886.1	1885.2	1876.5
27.5°	1792.8	1791.3	1780.4	1759.3	1743.4	1733.8	1722.9
30°	1729.1	1705.3	1677.8	1647.5	1608.6	1578.9	1569.7
32.5°	1634.2	1580.7	1534.2	1483.8	1442.0	1412.2	1399.7
35°	1450.7	1366.0	1296.8	1236.4	1192.4	1164.9	1155.8
37.5°	1232.9	1150.9	1065.3	1006.7	970.3	942.5	932.1
40°	1094.4	1005.1	930.5	875.6	838.0	811.0	810.5
42.5°	968.0	882.8	812.5	772.9	732.5	714.6	714.5
45°	792.6	724.4	664.9	633.8	609.5	594.9	590.7
47.5°	656.3	599.9	560.2	535.4	515.6	506.3	500.2
50°	579.7	530.3	498.7	477.2	466.1	454.3	453.3
52.5°	516.0	476.0	451.4	433.9	420.0	412.8	413.0
55°	433.6	402.1	384.6	371.3	360.4	354.9	352.6
57.5°	365.3	341.6	329.0	316.8	312.1	307.8	306.6
60°	322.8	306.8	294.9	285.2	278.4	277.1	276.6
62.5°	287.7	270.9	262.7	255.2	250.2	248.1	247.3
65°	237.2	224.8	217.5	211.5	209.7	206.6	206.0
67.5°	191.2	183.8	178.9	174.9	172.4	172.2	172.2
70°	163.0	158.9	154.8	152.5	151.1	150.2	150.2
72.5°	138.9	135.8	132.4	131.2	131.0	130.0	129.7
75°	105.8	102.5	103.1	100.7	98.9	96.6	95.2
77.5°	75.0	72.8	72.2	72.0	70.4	70.2	70.9
80°	58.1	55.9	55.4	55.9	55.4	54.1	54.1
82.5°	44.3	42.3	41.8	41.6	41.2	41.6	40.8
85°	23.8	22.9	22.9	22.9	23.8	23.3	22.9
87.5°	9.6	9.3	9.6	9.3	9.4	9.0	9.3
90°	5.8	6.1	6.1	6.4	6.7	6.4	6.4
92.5°	44.9	35.8	29.7	26.1	24.5	23.4	23.4
95°	178.3	137.5	108.1	93.1	83.7	78.2	74.2
97.5°	315.6	285.9	254.1	232.2	214.0	204.8	198.5
100°	373.1	358.2	335.6	309.2	290.6	281.5	279.1
102.5°	395.5	399.8	390.4	374.2	360.8	351.1	349.1
105°	393.5	423.6	436.1	436.7	434.2	430.0	428.2
107.5°	362.1	404.5	431.7	446.7	453.7	456.7	457.4
110°	337.8	381.9	415.3	437.0	449.8	455.2	458.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	316.3	358.0	391.5	416.0	431.5	439.2	443.6
115°	291.8	327.4	356.6	380.6	398.9	408.7	411.1
117.5°	277.8	305.8	330.6	351.1	366.4	376.3	378.2
120°	271.7	296.1	317.7	335.0	348.4	356.4	359.7
122.5°	267.9	290.0	308.9	323.6	335.0	341.7	345.1
125°	261.7	282.7	299.5	311.6	320.5	326.2	328.0
127.5°	254.4	275.4	291.3	303.5	311.3	316.2	318.1
130°	248.7	269.3	285.4	297.9	305.5	310.4	312.2
132.5°	242.0	262.3	278.4	290.6	299.2	303.8	305.7
135°	232.2	250.7	266.0	278.1	286.6	291.5	293.3
137.5°	222.7	238.4	252.1	263.6	271.9	276.0	278.1
140°	216.6	230.3	243.1	253.8	260.5	264.8	267.2
142.5°	211.5	223.3	234.4	243.8	250.0	253.8	255.5
145°	204.5	213.6	222.1	229.7	234.9	238.0	239.4
147.5°	198.4	205.7	212.4	218.0	222.5	224.7	225.3
150°	194.8	200.9	206.3	211.2	215.2	217.0	217.2
152.5°	191.1	196.7	201.2	205.3	208.5	209.7	210.0
155°	185.9	190.5	194.2	197.2	199.6	200.5	200.5
157.5°	180.8	184.7	187.6	189.9	191.7	192.3	192.3
160°	177.4	180.7	183.2	185.0	186.8	187.2	187.2
162.5°	174.3	176.8	179.1	180.4	182.2	182.5	182.3
165°	169.5	171.6	173.1	174.4	175.6	175.3	175.0
167.5°	165.5	167.2	168.1	168.7	169.5	169.4	169.2
170°	162.8	164.0	165.0	165.6	165.8	165.6	165.6
172.5°	160.6	161.4	162.0	162.4	162.6	162.4	161.9
175°	157.6	158.3	158.3	158.3	158.9	158.3	157.6
177.5°	155.8	155.8	156.1	155.8	156.1	155.6	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9

(END OF REPORT)