

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: P332938-935

Luminaire Tested: **S124RDIP-S795D810U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

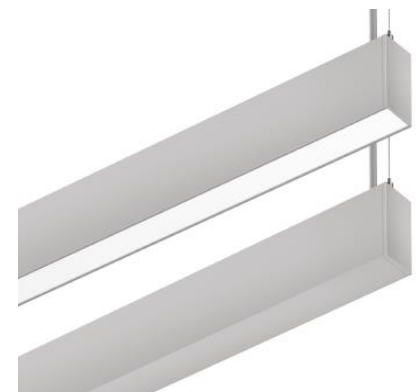
Test Information

Test Method: LM-79-08
Report Number: P332938-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S795D810U935-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5290.2 lumens
Efficiency: N/A
Efficacy: 115.3 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: General Diffuse

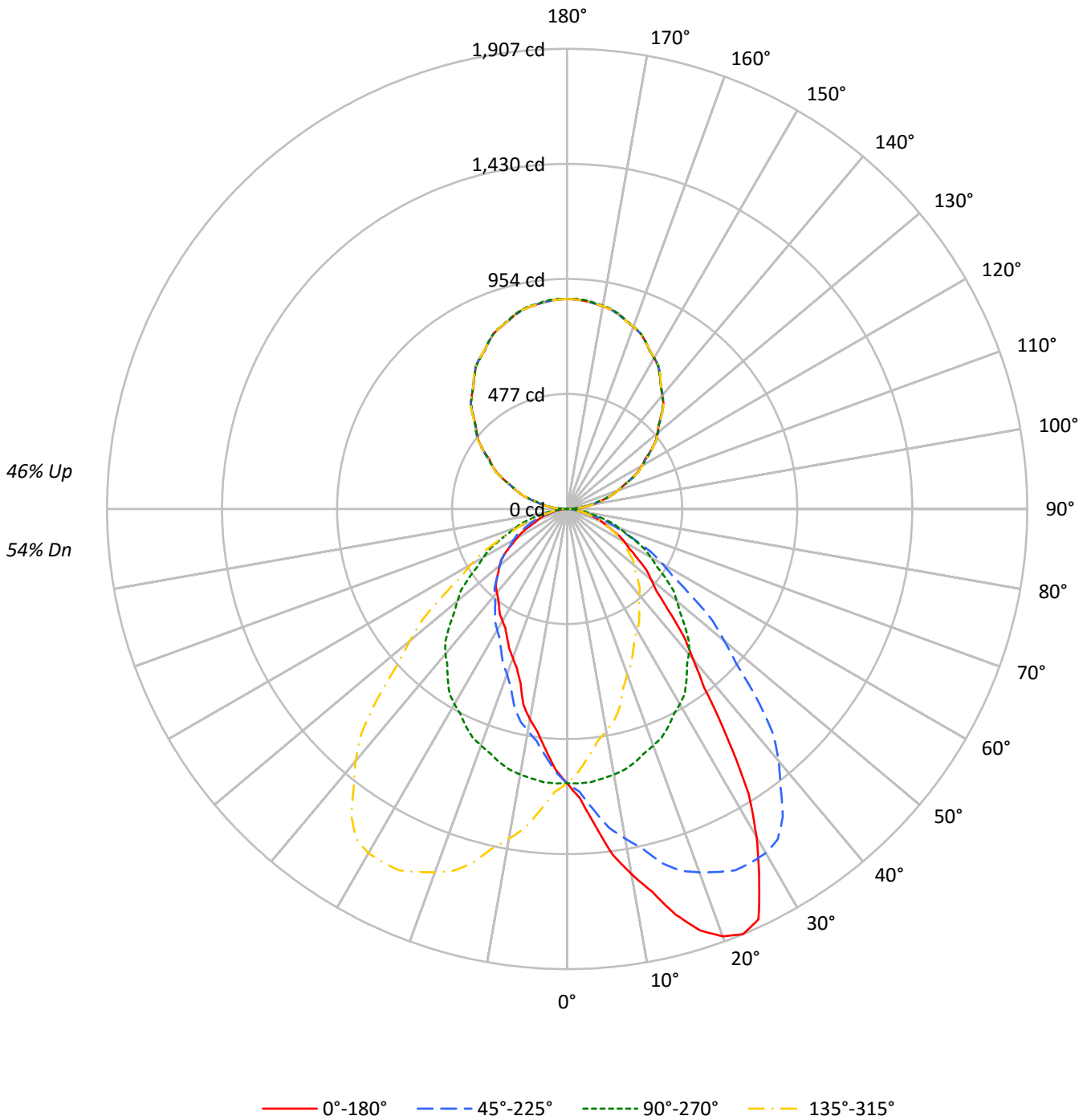
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34
4	76	66	58	52	71	61	55	49	53	48	44	46	42	39	39	36	33	30
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	29	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	27	23	21	19
9	52	40	32	27	48	38	31	26	33	28	24	29	24	21	25	21	19	17
10	49	37	29	25	45	35	28	24	31	25	21	27	22	19	23	20	17	15

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	2.1
10°-20°	332.2	6.3
20°-30°	519.5	9.8
30°-40°	577.6	10.9
40°-50°	512.4	9.7
50°-60°	399.3	7.5
60°-70°	261.4	4.9
70°-80°	128.6	2.4
80°-90°	34.3	0.6
90°-100°	57.4	1.1
100°-110°	170.1	3.2
110°-120°	288.6	5.5
120°-130°	380.6	7.2
130°-140°	427.4	8.1
140°-150°	420.0	7.9
150°-160°	353.3	6.7
160°-170°	235.0	4.4
170°-180°	82.3	1.6
0°-30°	961.8	18.2
0°-40°	1539.4	29.1
0°-60°	2451.2	46.3
0°-90°	2875.5	54.4
90°-120°	516.1	9.8
90°-150°	1744.1	33.0
90°-180°	2415.0	45.7
0°-180°	5290.2	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°	20	2	20	2	20	11
95°	53	40	53	40	53	55
105°	164	157	164	157	164	173
115°	291	294	291	294	291	287
125°	424	427	424	427	424	378
135°	552	551	552	551	552	426
145°	670	670	670	670	670	420
155°	767	767	767	767	767	353
165°	833	835	833	835	833	235
175°	865	869	865	869	865	82
180°	870	870	870	870	870	



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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°	12.1	11.7	12.0	11.9	12.2	11.7	12.0	12.5	11.5	11.8	11.5
90°	20.2	19.9	19.6	19.3	19.0	18.4	17.5	16.6	15.7	14.8	13.6
92.5°	29.9	29.7	29.5	29.4	29.2	28.8	28.2	27.7	27.2	26.7	25.8
95°	53.2	53.2	53.2	53.2	53.2	53.0	52.5	52.1	51.6	51.1	50.1
97.5°	83.3	83.3	83.3	83.3	83.3	83.1	82.5	82.0	81.5	80.9	79.6
100°	104.4	104.4	104.4	104.4	104.4	104.2	103.9	103.6	103.3	103.0	101.6
102.5°	128.0	127.9	127.8	127.7	127.5	127.3	126.8	126.5	126.1	125.6	124.4
105°	164.3	163.8	163.3	162.9	162.5	162.0	161.5	161.1	160.7	160.2	159.6
107.5°	199.5	199.6	199.6	199.6	199.7	199.4	199.0	198.6	198.2	197.8	197.7
110°	224.8	224.4	223.9	223.5	223.0	222.9	223.3	223.5	223.9	224.1	224.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	250.6	250.6	250.5	250.4	250.3	250.3	250.4	250.4	250.5	250.6	250.8
115°	290.8	290.9	291.1	291.3	291.4	291.5	291.7	291.8	292.0	292.1	292.4
117.5°	329.0	329.3	329.6	329.9	330.2	330.6	331.1	331.7	332.2	332.7	332.9
120°	358.1	357.8	357.5	357.2	356.9	357.1	357.8	358.6	359.4	360.2	360.6
122.5°	382.4	382.9	383.4	383.9	384.5	385.0	385.6	386.0	386.5	387.0	387.3
125°	424.0	424.4	424.6	425.0	425.2	425.6	425.9	426.2	426.5	426.8	426.9
127.5°	462.7	463.0	463.2	463.4	463.6	463.9	464.3	464.5	464.9	465.1	465.4
130°	488.0	488.6	489.2	489.8	490.4	490.9	491.1	491.5	491.7	492.1	492.1
132.5°	515.0	515.1	515.4	515.7	515.9	516.2	516.4	516.8	517.0	517.4	517.5
135°	552.0	552.4	552.8	553.3	553.7	554.1	554.4	554.7	555.0	555.3	555.3
137.5°	590.9	590.7	590.6	590.6	590.5	590.6	591.1	591.4	591.9	592.2	591.9
140°	614.6	614.7	614.8	615.0	615.2	615.3	615.4	615.6	615.8	615.9	615.9
142.5°	638.3	638.3	638.3	638.3	638.3	638.4	638.4	638.4	638.5	638.5	638.6
145°	670.5	670.9	671.3	671.8	672.2	672.5	672.7	672.8	673.0	673.1	673.0
147.5°	703.0	703.2	703.3	703.4	703.6	703.7	703.9	704.0	704.1	704.2	704.3
150°	722.9	723.1	723.2	723.4	723.5	723.6	723.6	723.6	723.6	723.6	723.6
152.5°	741.2	741.7	742.0	742.4	742.8	742.8	742.4	742.1	741.8	741.4	741.2
155°	766.7	767.2	767.8	768.4	769.0	769.0	768.4	767.8	767.2	766.7	766.8
157.5°	789.5	790.0	790.5	791.0	791.4	791.5	791.1	790.6	790.1	789.7	789.7
160°	802.4	803.1	803.8	804.6	805.4	805.5	805.0	804.6	804.2	803.7	803.8
162.5°	815.8	816.6	817.3	818.0	818.8	818.8	817.9	817.2	816.4	815.5	815.7
165°	833.4	833.9	834.5	835.1	835.7	835.6	834.7	833.8	832.8	832.0	832.2
167.5°	845.8	846.8	847.7	848.6	849.5	849.5	848.7	847.7	846.9	845.9	845.9
170°	852.8	853.9	855.0	856.0	857.0	857.1	856.2	855.3	854.4	853.5	853.3
172.5°	858.8	859.8	860.8	861.9	863.0	863.0	861.9	860.9	859.9	858.9	858.8
175°	865.0	866.0	867.0	868.1	869.2	869.2	868.1	867.0	866.0	865.0	865.1
177.5°	868.1	869.2	870.1	871.1	872.0	872.1	871.2	870.4	869.5	868.7	868.7
180°	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3



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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°	11.3	10.7	11.2	10.8	10.9	12.1	12.8	12.8	12.1	11.3	10.6
90°	12.4	11.2	10.0	8.6	7.0	5.3	3.7	2.0	3.7	5.3	7.0
92.5°	25.0	24.1	23.3	22.0	20.1	18.2	16.3	14.4	16.3	18.2	20.1
95°	49.1	48.0	47.0	45.8	44.4	43.0	41.8	40.4	41.8	43.0	44.4
97.5°	78.4	77.2	76.0	74.8	73.8	72.7	71.6	70.5	71.6	72.7	73.8
100°	100.3	98.9	97.6	96.6	96.0	95.4	94.8	94.3	94.8	95.4	96.0
102.5°	123.1	121.9	120.7	119.9	119.8	119.5	119.2	119.0	119.2	119.5	119.8
105°	159.0	158.4	157.8	157.5	157.3	157.1	157.0	156.9	157.0	157.1	157.3
107.5°	197.6	197.5	197.4	197.3	197.1	196.9	196.7	196.6	196.7	196.9	197.1
110°	224.5	224.6	224.7	224.6	224.4	224.0	223.8	223.5	223.8	224.0	224.4



TEST NUMBER: P332938-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	251.1	251.3	251.6	251.8	251.7	251.6	251.5	251.5	251.5	251.6	251.7
115°	292.7	293.0	293.3	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5
117.5°	333.0	333.3	333.5	333.6	333.4	333.3	333.2	333.0	333.2	333.3	333.4
120°	361.0	361.4	361.9	361.9	361.3	360.7	360.1	359.5	360.1	360.7	361.3
122.5°	387.4	387.7	387.9	387.9	387.6	387.4	387.1	386.9	387.1	387.4	387.6
125°	427.1	427.2	427.3	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4
127.5°	465.6	465.8	466.1	466.0	465.5	465.1	464.6	464.2	464.6	465.1	465.5
130°	492.1	492.1	492.1	491.8	491.4	490.9	490.5	490.0	490.5	490.9	491.4
132.5°	517.6	517.7	517.8	517.7	517.4	517.1	516.8	516.4	516.8	517.1	517.4
135°	555.3	555.3	555.3	554.9	554.0	553.1	552.2	551.3	552.2	553.1	554.0
137.5°	591.8	591.5	591.2	590.9	590.5	590.0	589.7	589.3	589.7	590.0	590.5
140°	615.9	615.9	615.9	615.8	615.4	615.2	614.8	614.6	614.8	615.2	615.4
142.5°	638.8	638.9	639.0	638.9	638.6	638.3	638.0	637.7	638.0	638.3	638.6
145°	672.8	672.7	672.5	672.2	671.6	671.0	670.4	669.8	670.4	671.0	671.6
147.5°	704.5	704.6	704.7	704.4	703.7	702.9	702.2	701.5	702.2	702.9	703.7
150°	723.6	723.6	723.6	723.3	722.7	722.1	721.5	720.9	721.5	722.1	722.7
152.5°	741.1	741.0	740.9	740.6	740.3	739.9	739.6	739.3	739.6	739.9	740.3
155°	767.0	767.2	767.2	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3
157.5°	789.8	789.8	789.8	790.0	790.2	790.5	790.7	791.1	790.7	790.5	790.2
160°	804.0	804.2	804.3	804.4	804.6	804.8	804.9	805.0	804.9	804.8	804.6
162.5°	815.9	816.0	816.1	816.4	816.8	817.2	817.6	817.9	817.6	817.2	816.8
165°	832.6	832.8	833.2	833.5	834.0	834.5	834.9	835.3	834.9	834.5	834.0
167.5°	845.9	845.8	845.8	846.2	846.8	847.4	848.0	848.7	848.0	847.4	846.8
170°	853.3	853.1	852.9	853.3	853.9	854.7	855.5	856.2	855.5	854.7	853.9
172.5°	858.8	858.8	858.8	859.1	859.7	860.3	861.0	861.6	861.0	860.3	859.7
175°	865.2	865.4	865.6	866.0	866.8	867.5	868.2	869.0	868.2	867.5	866.8
177.5°	868.7	868.7	868.7	869.0	869.6	870.2	870.8	871.4	870.8	870.2	869.6
180°	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3



TEST NUMBER: P332938-935

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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°	10.8	10.8	11.0	10.5	11.1	11.4	11.2	11.4	12.0	11.4	11.5
90°	8.6	10.0	11.2	12.4	13.6	14.8	15.7	16.6	17.5	18.4	19.0
92.5°	22.0	23.3	24.1	25.0	25.8	26.7	27.2	27.7	28.2	28.8	29.2
95°	45.8	47.0	48.0	49.1	50.1	51.1	51.6	52.1	52.5	53.0	53.2
97.5°	74.8	76.0	77.2	78.4	79.6	80.9	81.5	82.0	82.5	83.1	83.3
100°	96.6	97.6	98.9	100.3	101.6	103.0	103.3	103.6	103.9	104.2	104.4
102.5°	119.9	120.7	121.9	123.1	124.4	125.6	126.1	126.5	126.8	127.3	127.5
105°	157.5	157.8	158.4	159.0	159.6	160.2	160.7	161.1	161.5	162.0	162.5
107.5°	197.3	197.4	197.5	197.6	197.7	197.8	198.2	198.6	199.0	199.4	199.7
110°	224.6	224.7	224.6	224.5	224.3	224.1	223.9	223.5	223.3	222.9	223.0



TEST NUMBER: P332938-935

CATALOG NUMBER: S124RDIP-S795D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	251.8	251.6	251.3	251.1	250.8	250.6	250.5	250.4	250.4	250.3	250.3
115°	293.5	293.3	293.0	292.7	292.4	292.1	292.0	291.8	291.7	291.5	291.4
117.5°	333.6	333.5	333.3	333.0	332.9	332.7	332.2	331.7	331.1	330.6	330.2
120°	361.9	361.9	361.4	361.0	360.6	360.2	359.4	358.6	357.8	357.1	356.9
122.5°	387.9	387.9	387.7	387.4	387.3	387.0	386.5	386.0	385.6	385.0	384.5
125°	427.4	427.3	427.2	427.1	426.9	426.8	426.5	426.2	425.9	425.6	425.2
127.5°	466.0	466.1	465.8	465.6	465.4	465.1	464.9	464.5	464.3	463.9	463.6
130°	491.8	492.1	492.1	492.1	492.1	492.1	491.7	491.5	491.1	490.9	490.4
132.5°	517.7	517.8	517.7	517.6	517.5	517.4	517.0	516.8	516.4	516.2	515.9
135°	554.9	555.3	555.3	555.3	555.3	555.3	555.0	554.7	554.4	554.1	553.7
137.5°	590.9	591.2	591.5	591.8	591.9	592.2	591.9	591.4	591.1	590.6	590.5
140°	615.8	615.9	615.9	615.9	615.9	615.9	615.8	615.6	615.4	615.3	615.2
142.5°	638.9	639.0	638.9	638.8	638.6	638.5	638.5	638.4	638.4	638.4	638.3
145°	672.2	672.5	672.7	672.8	673.0	673.1	673.0	672.8	672.7	672.5	672.2
147.5°	704.4	704.7	704.6	704.5	704.3	704.2	704.1	704.0	703.9	703.7	703.6
150°	723.3	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.6	723.5
152.5°	740.6	740.9	741.0	741.1	741.2	741.4	741.8	742.1	742.4	742.8	742.8
155°	767.3	767.2	767.2	767.0	766.8	766.7	767.2	767.8	768.4	769.0	769.0
157.5°	790.0	789.8	789.8	789.8	789.7	789.7	790.1	790.6	791.1	791.5	791.4
160°	804.4	804.3	804.2	804.0	803.8	803.7	804.2	804.6	805.0	805.5	805.4
162.5°	816.4	816.1	816.0	815.9	815.7	815.5	816.4	817.2	817.9	818.8	818.8
165°	833.5	833.2	832.8	832.6	832.2	832.0	832.8	833.8	834.7	835.6	835.7
167.5°	846.2	845.8	845.8	845.9	845.9	845.9	846.9	847.7	848.7	849.5	849.5
170°	853.3	852.9	853.1	853.3	853.3	853.5	854.4	855.3	856.2	857.1	857.0
172.5°	859.1	858.8	858.8	858.8	858.8	858.9	859.9	860.9	861.9	863.0	863.0
175°	866.0	865.6	865.4	865.2	865.1	865.0	866.0	867.0	868.1	869.2	869.2
177.5°	869.0	868.7	868.7	868.7	868.7	868.7	869.5	870.4	871.2	872.1	872.0
180°	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3



TEST NUMBER: P332938-935

CATALOG NUMBER: S124RDIP-S795D810U935-4F0-1E-UDD-A1

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°	12.3	12.0	11.7	12.1	11.7	12.0	12.3	11.5	11.4	12.0	11.4
90°	19.3	19.6	19.9	20.2	19.9	19.6	19.3	19.0	18.4	17.5	16.6
92.5°	29.4	29.5	29.7	29.9	29.7	29.5	29.4	29.2	28.8	28.2	27.7
95°	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.0	52.5	52.1
97.5°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.1	82.5	82.0
100°	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.2	103.9	103.6
102.5°	127.7	127.8	127.9	128.0	127.9	127.8	127.7	127.5	127.3	126.8	126.5
105°	162.9	163.3	163.8	164.3	163.8	163.3	162.9	162.5	162.0	161.5	161.1
107.5°	199.6	199.6	199.6	199.5	199.6	199.6	199.6	199.7	199.4	199.0	198.6
110°	223.5	223.9	224.4	224.8	224.4	223.9	223.5	223.0	222.9	223.3	223.5



TEST NUMBER: P332938-935

CATALOG NUMBER: S124RDIP-S795D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	250.4	250.5	250.6	250.6	250.6	250.5	250.4	250.3	250.3	250.4	250.4
115°	291.3	291.1	290.9	290.8	290.9	291.1	291.3	291.4	291.5	291.7	291.8
117.5°	329.9	329.6	329.3	329.0	329.3	329.6	329.9	330.2	330.6	331.1	331.7
120°	357.2	357.5	357.8	358.1	357.8	357.5	357.2	356.9	357.1	357.8	358.6
122.5°	383.9	383.4	382.9	382.4	382.9	383.4	383.9	384.5	385.0	385.6	386.0
125°	425.0	424.6	424.4	424.0	424.4	424.6	425.0	425.2	425.6	425.9	426.2
127.5°	463.4	463.2	463.0	462.7	463.0	463.2	463.4	463.6	463.9	464.3	464.5
130°	489.8	489.2	488.6	488.0	488.6	489.2	489.8	490.4	490.9	491.1	491.5
132.5°	515.7	515.4	515.1	515.0	515.1	515.4	515.7	515.9	516.2	516.4	516.8
135°	553.3	552.8	552.4	552.0	552.4	552.8	553.3	553.7	554.1	554.4	554.7
137.5°	590.6	590.6	590.7	590.9	590.7	590.6	590.6	590.5	590.6	591.1	591.4
140°	615.0	614.8	614.7	614.6	614.7	614.8	615.0	615.2	615.3	615.4	615.6
142.5°	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.4	638.4	638.4
145°	671.8	671.3	670.9	670.5	670.9	671.3	671.8	672.2	672.5	672.7	672.8
147.5°	703.4	703.3	703.2	703.0	703.2	703.3	703.4	703.6	703.7	703.9	704.0
150°	723.4	723.2	723.1	722.9	723.1	723.2	723.4	723.5	723.6	723.6	723.6
152.5°	742.4	742.0	741.7	741.2	741.7	742.0	742.4	742.8	742.8	742.4	742.1
155°	768.4	767.8	767.2	766.7	767.2	767.8	768.4	769.0	769.0	768.4	767.8
157.5°	791.0	790.5	790.0	789.5	790.0	790.5	791.0	791.4	791.5	791.1	790.6
160°	804.6	803.8	803.1	802.4	803.1	803.8	804.6	805.4	805.5	805.0	804.6
162.5°	818.0	817.3	816.6	815.8	816.6	817.3	818.0	818.8	818.8	817.9	817.2
165°	835.1	834.5	833.9	833.4	833.9	834.5	835.1	835.7	835.6	834.7	833.8
167.5°	848.6	847.7	846.8	845.8	846.8	847.7	848.6	849.5	849.5	848.7	847.7
170°	856.0	855.0	853.9	852.8	853.9	855.0	856.0	857.0	857.1	856.2	855.3
172.5°	861.9	860.8	859.8	858.8	859.8	860.8	861.9	863.0	863.0	861.9	860.9
175°	868.1	867.0	866.0	865.0	866.0	867.0	868.1	869.2	869.2	868.1	867.0
177.5°	871.1	870.1	869.2	868.1	869.2	870.1	871.1	872.0	872.1	871.2	870.4
180°	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3



TEST NUMBER: P332938-935

CATALOG NUMBER: S124RDIP-S795D810U935-4F0-1E-UDD-A1

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°	11.2	11.4	11.1	10.5	11.0	10.8	10.8	10.6	11.3	12.1	12.8
90°	15.7	14.8	13.6	12.4	11.2	10.0	8.6	7.0	5.3	3.7	2.0
92.5°	27.2	26.7	25.8	25.0	24.1	23.3	22.0	20.1	18.2	16.3	14.4
95°	51.6	51.1	50.1	49.1	48.0	47.0	45.8	44.4	43.0	41.8	40.4
97.5°	81.5	80.9	79.6	78.4	77.2	76.0	74.8	73.8	72.7	71.6	70.5
100°	103.3	103.0	101.6	100.3	98.9	97.6	96.6	96.0	95.4	94.8	94.3
102.5°	126.1	125.6	124.4	123.1	121.9	120.7	119.9	119.8	119.5	119.2	119.0
105°	160.7	160.2	159.6	159.0	158.4	157.8	157.5	157.3	157.1	157.0	156.9
107.5°	198.2	197.8	197.7	197.6	197.5	197.4	197.3	197.1	196.9	196.7	196.6
110°	223.9	224.1	224.3	224.5	224.6	224.7	224.6	224.4	224.0	223.8	223.5



TEST NUMBER: P332938-935

CATALOG NUMBER: S124RDIP-S795D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	250.5	250.6	250.8	251.1	251.3	251.6	251.8	251.7	251.6	251.5	251.5
115°	292.0	292.1	292.4	292.7	293.0	293.3	293.5	293.5	293.5	293.5	293.5
117.5°	332.2	332.7	332.9	333.0	333.3	333.5	333.6	333.4	333.3	333.2	333.0
120°	359.4	360.2	360.6	361.0	361.4	361.9	361.9	361.3	360.7	360.1	359.5
122.5°	386.5	387.0	387.3	387.4	387.7	387.9	387.9	387.6	387.4	387.1	386.9
125°	426.5	426.8	426.9	427.1	427.2	427.3	427.4	427.4	427.4	427.4	427.4
127.5°	464.9	465.1	465.4	465.6	465.8	466.1	466.0	465.5	465.1	464.6	464.2
130°	491.7	492.1	492.1	492.1	492.1	492.1	491.8	491.4	490.9	490.5	490.0
132.5°	517.0	517.4	517.5	517.6	517.7	517.8	517.7	517.4	517.1	516.8	516.4
135°	555.0	555.3	555.3	555.3	555.3	555.3	554.9	554.0	553.1	552.2	551.3
137.5°	591.9	592.2	591.9	591.8	591.5	591.2	590.9	590.5	590.0	589.7	589.3
140°	615.8	615.9	615.9	615.9	615.9	615.9	615.8	615.4	615.2	614.8	614.6
142.5°	638.5	638.5	638.6	638.8	638.9	639.0	638.9	638.6	638.3	638.0	637.7
145°	673.0	673.1	673.0	672.8	672.7	672.5	672.2	671.6	671.0	670.4	669.8
147.5°	704.1	704.2	704.3	704.5	704.6	704.7	704.4	703.7	702.9	702.2	701.5
150°	723.6	723.6	723.6	723.6	723.6	723.6	723.3	722.7	722.1	721.5	720.9
152.5°	741.8	741.4	741.2	741.1	741.0	740.9	740.6	740.3	739.9	739.6	739.3
155°	767.2	766.7	766.8	767.0	767.2	767.2	767.3	767.3	767.3	767.3	767.3
157.5°	790.1	789.7	789.7	789.8	789.8	789.8	790.0	790.2	790.5	790.7	791.1
160°	804.2	803.7	803.8	804.0	804.2	804.3	804.4	804.6	804.8	804.9	805.0
162.5°	816.4	815.5	815.7	815.9	816.0	816.1	816.4	816.8	817.2	817.6	817.9
165°	832.8	832.0	832.2	832.6	832.8	833.2	833.5	834.0	834.5	834.9	835.3
167.5°	846.9	845.9	845.9	845.9	845.8	845.8	846.2	846.8	847.4	848.0	848.7
170°	854.4	853.5	853.3	853.3	853.1	852.9	853.3	853.9	854.7	855.5	856.2
172.5°	859.9	858.9	858.8	858.8	858.8	858.8	859.1	859.7	860.3	861.0	861.6
175°	866.0	865.0	865.1	865.2	865.4	865.6	866.0	866.8	867.5	868.2	869.0
177.5°	869.5	868.7	868.7	868.7	868.7	868.7	869.0	869.6	870.2	870.8	871.4
180°	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3



TEST NUMBER: P332938-935

CATALOG NUMBER: S124RDIP-S795D810U935-4F0-1E-UDD-A1

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°	12.8	12.1	10.9	10.8	11.2	10.7	11.3	11.5	11.8	11.5	12.5
90°	3.7	5.3	7.0	8.6	10.0	11.2	12.4	13.6	14.8	15.7	16.6
92.5°	16.3	18.2	20.1	22.0	23.3	24.1	25.0	25.8	26.7	27.2	27.7
95°	41.8	43.0	44.4	45.8	47.0	48.0	49.1	50.1	51.1	51.6	52.1
97.5°	71.6	72.7	73.8	74.8	76.0	77.2	78.4	79.6	80.9	81.5	82.0
100°	94.8	95.4	96.0	96.6	97.6	98.9	100.3	101.6	103.0	103.3	103.6
102.5°	119.2	119.5	119.8	119.9	120.7	121.9	123.1	124.4	125.6	126.1	126.5
105°	157.0	157.1	157.3	157.5	157.8	158.4	159.0	159.6	160.2	160.7	161.1
107.5°	196.7	196.9	197.1	197.3	197.4	197.5	197.6	197.7	197.8	198.2	198.6
110°	223.8	224.0	224.4	224.6	224.7	224.6	224.5	224.3	224.1	223.9	223.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	251.5	251.6	251.7	251.8	251.6	251.3	251.1	250.8	250.6	250.5	250.4
115°	293.5	293.5	293.5	293.5	293.3	293.0	292.7	292.4	292.1	292.0	291.8
117.5°	333.2	333.3	333.4	333.6	333.5	333.3	333.0	332.9	332.7	332.2	331.7
120°	360.1	360.7	361.3	361.9	361.9	361.4	361.0	360.6	360.2	359.4	358.6
122.5°	387.1	387.4	387.6	387.9	387.9	387.7	387.4	387.3	387.0	386.5	386.0
125°	427.4	427.4	427.4	427.4	427.3	427.2	427.1	426.9	426.8	426.5	426.2
127.5°	464.6	465.1	465.5	466.0	466.1	465.8	465.6	465.4	465.1	464.9	464.5
130°	490.5	490.9	491.4	491.8	492.1	492.1	492.1	492.1	492.1	491.7	491.5
132.5°	516.8	517.1	517.4	517.7	517.8	517.7	517.6	517.5	517.4	517.0	516.8
135°	552.2	553.1	554.0	554.9	555.3	555.3	555.3	555.3	555.3	555.0	554.7
137.5°	589.7	590.0	590.5	590.9	591.2	591.5	591.8	591.9	592.2	591.9	591.4
140°	614.8	615.2	615.4	615.8	615.9	615.9	615.9	615.9	615.9	615.8	615.6
142.5°	638.0	638.3	638.6	638.9	639.0	638.9	638.8	638.6	638.5	638.5	638.4
145°	670.4	671.0	671.6	672.2	672.5	672.7	672.8	673.0	673.1	673.0	672.8
147.5°	702.2	702.9	703.7	704.4	704.7	704.6	704.5	704.3	704.2	704.1	704.0
150°	721.5	722.1	722.7	723.3	723.6	723.6	723.6	723.6	723.6	723.6	723.6
152.5°	739.6	739.9	740.3	740.6	740.9	741.0	741.1	741.2	741.4	741.8	742.1
155°	767.3	767.3	767.3	767.3	767.2	767.2	767.0	766.8	766.7	767.2	767.8
157.5°	790.7	790.5	790.2	790.0	789.8	789.8	789.8	789.7	789.7	790.1	790.6
160°	804.9	804.8	804.6	804.4	804.3	804.2	804.0	803.8	803.7	804.2	804.6
162.5°	817.6	817.2	816.8	816.4	816.1	816.0	815.9	815.7	815.5	816.4	817.2
165°	834.9	834.5	834.0	833.5	833.2	832.8	832.6	832.2	832.0	832.8	833.8
167.5°	848.0	847.4	846.8	846.2	845.8	845.8	845.9	845.9	845.9	846.9	847.7
170°	855.5	854.7	853.9	853.3	852.9	853.1	853.3	853.3	853.5	854.4	855.3
172.5°	861.0	860.3	859.7	859.1	858.8	858.8	858.8	858.8	858.9	859.9	860.9
175°	868.2	867.5	866.8	866.0	865.6	865.4	865.2	865.1	865.0	866.0	867.0
177.5°	870.8	870.2	869.6	869.0	868.7	868.7	868.7	868.7	868.7	869.5	870.4
180°	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3



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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°	12.0	11.7	12.2	11.9	12.0	11.7	12.1
90°	17.5	18.4	19.0	19.3	19.6	19.9	20.2
92.5°	28.2	28.8	29.2	29.4	29.5	29.7	29.9
95°	52.5	53.0	53.2	53.2	53.2	53.2	53.2
97.5°	82.5	83.1	83.3	83.3	83.3	83.3	83.3
100°	103.9	104.2	104.4	104.4	104.4	104.4	104.4
102.5°	126.8	127.3	127.5	127.7	127.8	127.9	128.0
105°	161.5	162.0	162.5	162.9	163.3	163.8	164.3
107.5°	199.0	199.4	199.7	199.6	199.6	199.6	199.5
110°	223.3	222.9	223.0	223.5	223.9	224.4	224.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	250.4	250.3	250.3	250.4	250.5	250.6	250.6
115°	291.7	291.5	291.4	291.3	291.1	290.9	290.8
117.5°	331.1	330.6	330.2	329.9	329.6	329.3	329.0
120°	357.8	357.1	356.9	357.2	357.5	357.8	358.1
122.5°	385.6	385.0	384.5	383.9	383.4	382.9	382.4
125°	425.9	425.6	425.2	425.0	424.6	424.4	424.0
127.5°	464.3	463.9	463.6	463.4	463.2	463.0	462.7
130°	491.1	490.9	490.4	489.8	489.2	488.6	488.0
132.5°	516.4	516.2	515.9	515.7	515.4	515.1	515.0
135°	554.4	554.1	553.7	553.3	552.8	552.4	552.0
137.5°	591.1	590.6	590.5	590.6	590.6	590.7	590.9
140°	615.4	615.3	615.2	615.0	614.8	614.7	614.6
142.5°	638.4	638.4	638.3	638.3	638.3	638.3	638.3
145°	672.7	672.5	672.2	671.8	671.3	670.9	670.5
147.5°	703.9	703.7	703.6	703.4	703.3	703.2	703.0
150°	723.6	723.6	723.5	723.4	723.2	723.1	722.9
152.5°	742.4	742.8	742.8	742.4	742.0	741.7	741.2
155°	768.4	769.0	769.0	768.4	767.8	767.2	766.7
157.5°	791.1	791.5	791.4	791.0	790.5	790.0	789.5
160°	805.0	805.5	805.4	804.6	803.8	803.1	802.4
162.5°	817.9	818.8	818.8	818.0	817.3	816.6	815.8
165°	834.7	835.6	835.7	835.1	834.5	833.9	833.4
167.5°	848.7	849.5	849.5	848.6	847.7	846.8	845.8
170°	856.2	857.1	857.0	856.0	855.0	853.9	852.8
172.5°	861.9	863.0	863.0	861.9	860.8	859.8	858.8
175°	868.1	869.2	869.2	868.1	867.0	866.0	865.0
177.5°	871.2	872.1	872.0	871.1	870.1	869.2	868.1
180°	870.3	870.3	870.3	870.3	870.3	870.3	870.3

(END OF REPORT)