

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: P332945-930

Luminaire Tested: **SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332945-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5735.7 lumens
Efficiency: N/A
Efficacy: 110.3 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

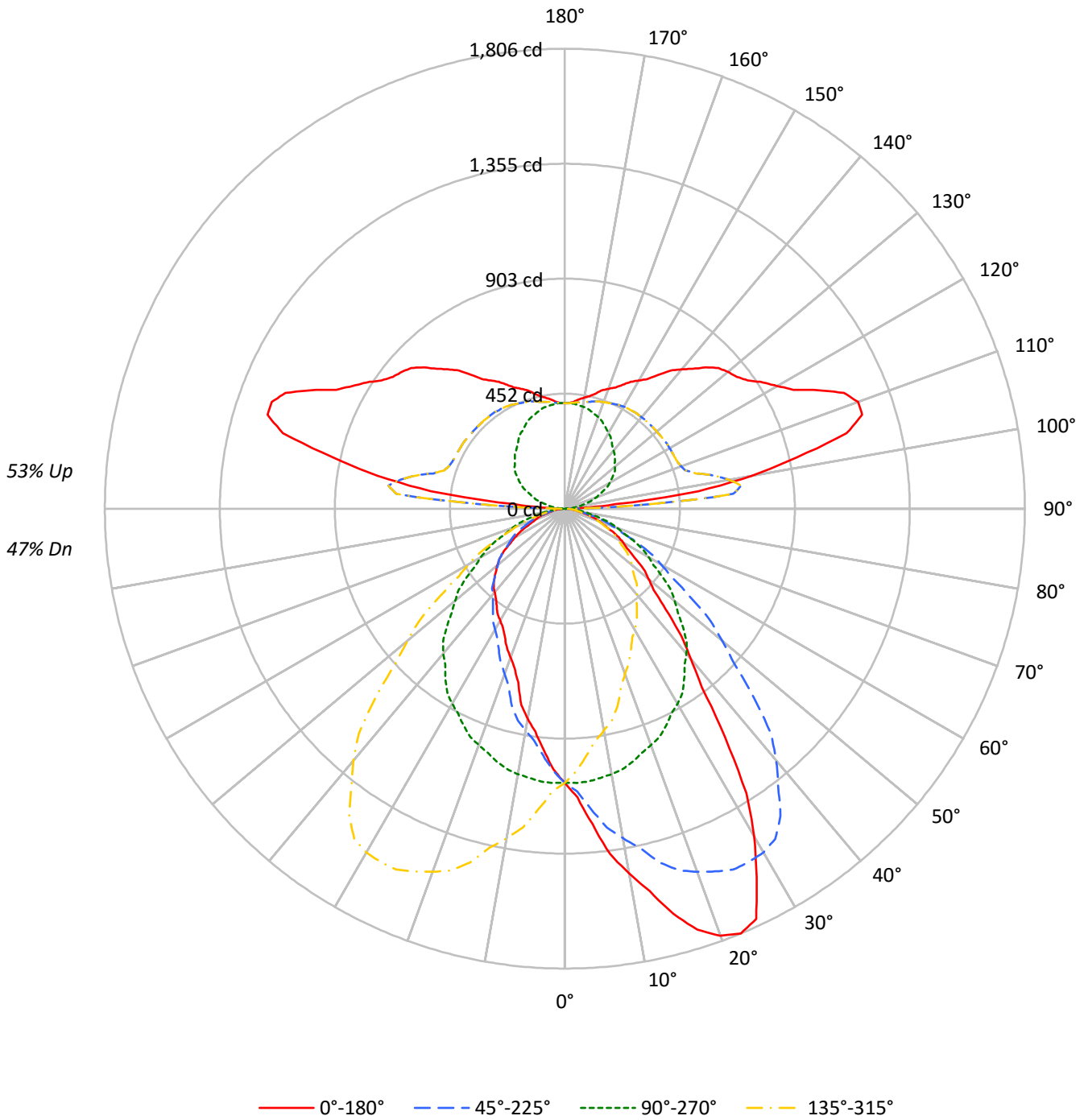
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47				47
1	98	94	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41				41
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	40	35				35
3	82	73	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30				30
4	75	64	57	51	69	60	53	48	51	46	42	42	39	36	35	32	30	26				26
5	69	58	50	44	63	53	46	41	46	40	36	38	34	31	31	28	26	23				23
6	64	52	44	38	58	48	41	36	41	36	32	35	31	27	29	26	23	20				20
7	59	47	39	34	54	44	37	32	37	32	28	32	27	24	26	23	21	18				18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16				16
9	51	39	32	27	47	36	30	25	31	26	22	27	23	20	22	19	17	15				15
10	47	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8688	8688	8688	8688
5°	10078	8715	7703	8715
10°	11922	8676	6874	8676
15°	13771	8596	5907	8596
20°	15332	8485	5342	8485
25°	15828	8378	4960	8378
30°	13856	8245	4729	8245
35°	10787	8051	4590	8051
40°	8088	7827	4515	7827
45°	6387	7470	4475	7470
50°	5392	7058	4346	7058
55°	4700	6602	4114	6602
60°	4229	6132	3641	6132
65°	3727	5624	3131	5624
70°	3356	5098	2825	5098
75°	2813	4517	2408	4517
80°	2380	3849	2259	3849
85°	2010	3010	2010	3010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	1.8
10°-20°	314.5	5.5
20°-30°	492.0	8.6
30°-40°	546.9	9.5
40°-50°	485.2	8.5
50°-60°	378.1	6.6
60°-70°	247.6	4.3
70°-80°	121.7	2.1
80°-90°	32.3	0.6
90°-100°	299.2	5.2
100°-110°	622.8	10.9
110°-120°	557.8	9.7
120°-130°	469.2	8.2
130°-140°	391.2	6.8
140°-150°	298.9	5.2
150°-160°	210.1	3.7
160°-170°	123.6	2.2
170°-180°	40.2	0.7
0°-30°	910.8	15.9
0°-40°	1457.7	25.4
0°-60°	2321.1	40.5
0°-90°	2722.7	47.5
90°-120°	1479.8	25.8
90°-150°	2639.2	46.0
90°-180°	3013.0	52.5
0°-180°	5735.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1076	1076	1076	1076	1076	
5°	1244	1075	950	1075	1244	126
15°	1648	1028	707	1028	1648	469
25°	1777	940	557	940	1777	788
35°	1094	817	466	817	1094	686
45°	559	654	392	654	559	443
55°	334	469	292	469	334	304
65°	195	294	164	294	195	196
75°	90	145	77	145	90	99
85°	22	32	22	32	22	25
90°	17	1	17	1	17	15
95°	199	27	199	27	199	308
105°	1145	95	1145	95	1145	1132
115°	1100	168	1100	168	1100	1092
125°	877	234	877	234	877	797
135°	785	278	785	278	785	606
145°	641	320	641	320	641	406
155°	536	364	536	364	536	250
165°	468	396	468	396	468	134
175°	422	413	422	413	422	41
180°	414	414	414	414	414	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1135.1	1138.3	1135.1	1134.8	1131.4	1130.3	1128.9	1124.5	1116.1	1111.3	1112.3
5°	1243.6	1254.4	1248.4	1247.5	1238.0	1228.4	1222.3	1208.4	1193.7	1183.7	1175.5
7.5°	1369.0	1375.2	1371.4	1365.3	1349.9	1341.2	1327.1	1308.8	1282.4	1262.2	1243.7
10°	1454.3	1459.5	1457.8	1446.5	1435.3	1412.3	1399.2	1373.7	1340.3	1313.9	1289.2
12.5°	1538.2	1543.9	1528.5	1529.1	1507.7	1489.6	1469.0	1436.8	1398.2	1364.2	1333.2
15°	1647.7	1640.8	1640.8	1632.1	1608.3	1583.1	1561.9	1528.0	1479.4	1438.7	1395.8
17.5°	1733.4	1735.8	1732.3	1711.8	1693.1	1667.0	1628.1	1588.6	1543.5	1488.8	1445.0
20°	1784.7	1784.7	1780.9	1766.9	1742.7	1714.9	1672.8	1629.9	1572.7	1517.6	1468.2
22.5°	1805.6	1806.9	1802.3	1790.9	1769.0	1742.0	1706.2	1662.6	1603.5	1541.6	1480.3
25°	1776.9	1785.2	1786.0	1783.0	1776.5	1760.0	1729.2	1684.6	1631.7	1564.5	1498.5
27.5°	1631.4	1641.8	1650.9	1665.9	1685.9	1696.2	1697.6	1675.0	1628.8	1564.1	1497.8
30°	1486.4	1495.1	1523.2	1560.1	1588.8	1614.8	1637.3	1643.4	1617.4	1559.3	1489.5
32.5°	1325.4	1337.3	1365.5	1405.1	1452.8	1496.8	1547.4	1573.3	1572.6	1537.7	1473.2
35°	1094.5	1103.1	1129.1	1170.8	1228.0	1293.5	1373.7	1436.1	1478.6	1475.5	1436.1
37.5°	882.6	892.4	918.8	953.2	1008.8	1089.8	1167.4	1253.4	1332.0	1376.1	1363.0
40°	767.5	767.9	793.5	829.1	881.1	951.8	1036.3	1131.7	1219.3	1290.9	1304.7
42.5°	676.6	676.7	693.6	731.9	769.4	835.9	916.6	1011.4	1113.9	1196.5	1233.3
45°	559.4	563.3	577.2	600.1	629.6	686.0	750.6	838.6	953.5	1051.5	1112.6
47.5°	473.7	479.4	488.2	507.0	530.4	568.0	621.4	700.5	794.0	901.8	988.8
50°	429.3	430.2	441.4	451.8	472.2	502.1	548.9	614.8	700.7	804.4	901.1
52.5°	391.1	390.9	397.7	410.9	427.5	450.8	488.6	548.6	624.8	717.6	817.4
55°	333.9	336.1	341.3	351.6	364.2	380.7	410.6	455.8	515.6	594.9	685.5
57.5°	290.3	291.5	295.5	299.9	311.5	323.5	345.9	377.2	427.7	492.7	577.2
60°	261.9	262.4	263.7	270.1	279.2	290.5	305.7	332.2	374.6	434.1	500.8
62.5°	234.2	234.9	236.9	241.7	248.7	256.5	272.4	293.7	328.8	379.6	439.8
65°	195.1	195.6	198.6	200.3	205.9	212.9	224.6	238.9	263.2	305.7	351.2
67.5°	163.1	163.1	163.2	165.6	169.4	174.1	181.1	192.5	210.8	236.9	277.0
70°	142.2	142.2	143.1	144.4	146.6	150.4	154.3	163.1	176.5	197.7	228.5
72.5°	122.8	123.1	124.0	124.3	125.4	128.6	131.5	137.1	147.0	163.1	187.9
75°	90.2	91.5	93.7	95.4	97.6	97.1	100.2	103.6	106.6	116.2	130.5
77.5°	67.1	66.4	66.7	68.2	68.4	68.9	71.0	73.7	76.0	80.5	85.6
80°	51.2	51.2	52.5	52.9	52.5	52.9	55.0	56.3	57.2	58.9	63.8
82.5°	38.6	39.4	39.0	39.4	39.6	40.0	41.9	42.2	43.0	43.7	45.7
85°	21.7	22.1	22.6	21.7	21.7	21.7	22.6	23.0	23.9	23.4	24.3
87.5°	11.1	10.7	11.3	11.1	11.3	10.9	11.1	11.6	10.8	11.3	10.9
90°	17.1	17.1	17.9	17.1	16.3	16.3	15.5	14.7	13.9	14.7	13.0
92.5°	62.7	62.7	65.5	69.9	79.4	95.7	120.3	159.9	215.1	258.2	225.9
95°	198.6	209.2	223.8	249.1	288.9	367.9	477.0	603.1	682.1	663.3	500.6
97.5°	530.8	547.8	572.2	621.2	679.6	764.6	844.2	891.1	856.9	698.6	468.5
100°	746.4	752.8	777.3	827.0	897.7	958.0	997.8	981.6	862.7	654.4	424.9
102.5°	933.9	939.1	964.8	1000.8	1044.2	1069.3	1057.8	977.1	813.9	599.1	395.6
105°	1145.2	1150.1	1161.5	1168.0	1166.4	1132.9	1052.4	911.6	725.2	533.9	370.3
107.5°	1223.7	1221.6	1213.4	1194.8	1154.6	1082.1	968.6	818.6	653.5	497.5	365.7
110°	1225.0	1217.6	1203.0	1168.8	1111.0	1021.5	903.4	762.6	617.8	485.1	367.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1186.5	1174.7	1154.1	1112.8	1047.2	957.7	846.1	721.6	597.6	479.2	371.0
115°	1099.6	1093.1	1067.1	1018.2	953.9	875.8	780.6	680.4	578.7	476.1	378.5
117.5°	1011.5	1006.5	980.2	939.1	884.3	818.0	743.1	660.2	570.2	475.3	386.5
120°	962.1	953.1	932.0	896.1	849.7	792.0	726.8	651.1	565.7	475.3	392.3
122.5°	923.0	914.0	896.1	865.5	826.3	775.7	716.4	643.4	560.4	474.7	398.2
125°	877.4	872.5	857.0	833.5	800.9	756.1	699.9	630.0	551.9	473.7	407.0
127.5°	850.7	845.8	832.8	811.8	779.1	736.6	680.6	613.7	540.3	471.9	413.9
130°	835.1	830.2	817.2	796.8	763.4	720.3	665.0	600.7	533.1	471.2	419.1
132.5°	817.5	812.6	800.2	777.3	744.6	701.4	647.4	587.0	526.6	470.6	423.7
135°	784.6	779.8	766.7	744.0	711.3	670.7	621.0	568.1	516.8	469.6	430.6
137.5°	744.0	738.1	727.3	704.8	674.4	637.6	595.8	551.1	508.3	469.4	434.6
140°	714.6	708.1	696.8	678.8	650.3	616.1	579.5	541.3	503.9	468.8	437.9
142.5°	683.4	678.8	668.7	652.1	626.9	597.3	565.8	532.1	499.9	468.8	440.5
145°	640.6	636.5	628.4	614.5	594.2	571.4	547.0	519.3	493.3	467.2	442.0
147.5°	602.6	601.2	595.0	583.1	568.1	550.2	530.7	508.7	487.2	464.2	442.8
150°	581.1	580.3	575.4	564.8	551.9	537.2	520.9	502.2	482.7	462.3	442.8
152.5°	561.6	560.8	557.8	549.3	538.2	526.1	511.1	495.0	477.4	459.0	441.5
155°	536.4	536.4	533.9	527.4	519.3	509.5	497.3	484.3	469.6	454.2	439.5
157.5°	514.2	514.2	512.7	507.8	501.7	493.9	483.6	472.7	461.6	449.1	437.4
160°	500.6	500.6	499.8	494.9	490.0	483.5	474.5	465.5	455.8	445.2	435.5
162.5°	487.5	488.2	487.4	482.5	478.9	473.0	466.0	458.4	450.6	441.3	433.5
165°	468.0	468.8	469.6	466.4	463.1	459.0	453.4	448.5	442.0	435.5	429.7
167.5°	452.6	453.2	453.4	451.3	449.6	447.2	442.6	438.9	434.1	429.6	425.8
170°	442.8	442.8	443.6	442.8	441.2	438.7	435.5	433.0	428.9	425.7	423.2
172.5°	433.0	434.3	435.1	434.3	433.3	431.5	429.6	427.8	424.4	421.8	420.6
175°	421.6	423.2	424.9	423.2	423.2	423.2	421.6	420.8	419.1	417.5	417.5
177.5°	414.9	416.2	417.5	416.9	417.5	416.9	416.9	416.2	415.6	414.9	414.9
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1108.8	1104.0	1101.6	1096.0	1089.4	1085.9	1082.8	1078.3	1072.4	1066.2	1061.6
5°	1165.1	1154.7	1141.7	1126.1	1112.2	1098.8	1087.0	1075.4	1061.9	1048.0	1034.1
7.5°	1222.9	1202.4	1180.3	1154.7	1129.8	1107.2	1086.4	1066.4	1043.8	1023.7	1005.3
10°	1263.1	1235.3	1204.5	1172.1	1139.5	1111.3	1083.6	1058.4	1030.7	1006.0	985.1
12.5°	1295.7	1263.1	1226.0	1185.5	1146.5	1112.4	1080.4	1047.7	1016.1	989.3	961.6
15°	1349.8	1305.1	1255.3	1206.7	1156.0	1109.6	1066.7	1028.5	992.5	954.8	928.4
17.5°	1387.0	1334.0	1273.4	1215.0	1155.1	1100.4	1050.9	1005.4	963.9	925.4	893.9
20°	1409.2	1350.7	1283.4	1217.2	1149.9	1091.4	1038.0	987.7	944.9	903.2	870.7
22.5°	1421.7	1356.9	1283.4	1214.0	1144.4	1081.0	1022.5	970.0	923.3	881.7	845.7
25°	1425.7	1356.3	1281.3	1201.5	1125.2	1058.0	997.3	940.5	888.4	846.9	808.7
27.5°	1420.2	1338.5	1261.6	1179.7	1101.0	1030.1	966.5	906.8	854.7	810.0	770.9
30°	1411.9	1324.2	1241.9	1156.8	1077.1	1009.0	941.8	884.5	830.4	784.0	744.5
32.5°	1393.8	1306.9	1218.2	1131.2	1050.4	980.2	916.5	858.9	805.8	758.3	716.4
35°	1358.0	1270.1	1173.8	1084.4	1005.1	932.2	872.5	816.9	766.2	715.4	671.2
37.5°	1311.0	1221.1	1125.3	1027.4	948.0	879.3	824.3	772.3	722.8	676.5	627.5
40°	1266.6	1184.6	1085.7	988.6	907.1	840.7	790.0	742.7	692.9	646.9	597.9
42.5°	1212.8	1143.0	1043.1	945.6	865.1	801.2	754.0	707.8	662.3	617.8	566.7
45°	1123.1	1070.2	976.5	882.8	801.8	738.4	695.0	654.3	614.4	571.9	523.8
47.5°	1020.2	984.4	903.5	807.6	732.6	675.6	633.7	600.5	566.7	524.2	482.0
50°	948.8	925.8	847.7	760.1	688.6	636.1	593.2	562.0	533.8	493.0	455.3
52.5°	872.5	860.2	794.3	710.5	641.4	590.0	553.3	525.2	496.7	462.8	427.5
55°	756.2	762.7	706.8	634.4	569.3	525.9	492.6	469.1	444.9	416.3	389.0
57.5°	637.4	661.1	623.6	560.0	499.0	459.0	433.9	414.2	393.8	370.1	346.7
60°	566.3	586.2	565.0	509.1	455.8	418.4	395.0	379.8	359.5	337.8	320.0
62.5°	496.9	518.3	505.6	460.5	411.0	378.9	358.2	344.1	329.0	310.1	291.6
65°	409.8	423.6	417.6	386.4	351.2	323.9	304.8	294.4	280.5	266.7	250.2
67.5°	313.8	340.6	337.1	320.5	290.2	268.8	256.3	247.1	234.5	224.2	213.0
70°	258.0	282.7	282.3	268.8	252.3	232.4	223.7	216.0	204.6	194.7	185.6
72.5°	211.2	233.8	237.2	226.9	215.6	200.5	192.2	186.8	175.9	169.0	161.7
75°	147.9	164.4	168.7	168.7	163.5	155.6	148.3	144.8	137.1	130.9	126.6
77.5°	96.9	107.4	114.1	115.7	116.5	113.9	107.8	105.3	99.4	97.2	93.0
80°	68.5	75.4	83.2	85.9	88.1	87.2	84.5	82.8	77.2	75.0	73.3
82.5°	47.4	51.2	57.6	63.3	62.7	65.0	62.7	61.3	57.1	56.3	54.5
85°	24.7	25.1	26.0	29.9	32.1	32.9	33.4	32.5	31.2	31.2	28.2
87.5°	10.6	10.3	9.9	9.9	10.2	11.4	11.9	12.0	11.3	10.7	9.8
90°	11.4	11.4	6.5	6.5	5.7	4.9	2.4	0.8	2.4	4.9	5.7
92.5°	164.4	101.3	59.9	43.0	31.1	21.2	13.5	9.3	13.5	21.2	31.1
95°	306.1	172.5	101.7	67.6	48.0	37.4	29.3	26.8	29.3	37.4	48.0
97.5°	275.1	164.9	110.4	81.7	65.0	55.2	48.2	48.2	48.2	55.2	65.0
100°	258.9	166.9	118.9	92.8	77.3	67.6	61.9	61.9	61.9	67.6	77.3
102.5°	254.3	173.3	129.9	105.2	90.3	81.2	76.1	74.8	76.1	81.2	90.3
105°	256.4	188.8	149.8	126.1	111.5	101.7	97.7	95.2	97.7	101.7	111.5
107.5°	268.4	206.9	171.0	147.8	133.8	123.4	119.4	117.7	119.4	123.4	133.8
110°	277.5	220.5	184.7	162.8	148.1	138.4	134.3	132.6	134.3	138.4	148.1



TEST NUMBER: P332945-930

CATALOG NUMBER: SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	287.3	233.6	199.1	177.1	162.5	153.4	148.6	147.0	148.6	153.4	162.5
115°	302.8	254.0	221.4	199.4	183.9	175.8	170.1	167.7	170.1	175.8	183.9
117.5°	318.5	273.6	242.7	219.9	205.5	196.5	191.4	189.1	191.4	196.5	205.5
120°	329.6	287.3	256.4	233.6	219.7	210.8	205.1	203.5	205.1	210.8	219.7
122.5°	340.1	300.4	269.4	247.3	232.1	223.8	218.1	216.5	218.1	223.8	232.1
125°	355.7	318.2	288.9	266.1	250.7	241.7	236.8	233.6	236.8	241.7	250.7
127.5°	369.2	334.8	306.6	283.6	267.4	257.2	251.4	248.7	251.4	257.2	267.4
130°	377.6	345.9	318.2	294.6	279.2	266.9	260.5	257.2	260.5	266.9	279.2
132.5°	386.1	355.1	327.3	305.1	288.3	276.7	268.2	265.6	268.2	276.7	288.3
135°	397.2	367.9	341.0	319.8	302.8	288.9	280.8	277.5	280.8	288.9	302.8
137.5°	405.0	377.6	352.6	332.4	314.6	301.5	292.5	289.4	292.5	301.5	314.6
140°	410.2	384.2	359.8	340.2	323.1	309.3	300.4	297.9	300.4	309.3	323.1
142.5°	414.1	390.0	366.2	347.4	330.9	317.7	309.5	307.0	309.5	317.7	330.9
145°	418.3	396.4	375.2	357.3	341.9	330.4	322.3	319.8	322.3	330.4	341.9
147.5°	422.1	402.9	383.0	366.9	354.1	342.3	335.2	334.4	335.2	342.3	354.1
150°	424.0	406.2	388.2	372.8	360.6	350.8	344.3	343.5	344.3	350.8	360.6
152.5°	425.3	408.8	392.8	378.6	367.7	358.7	352.1	352.0	352.1	358.7	367.7
155°	426.5	412.6	398.8	386.6	377.6	369.5	364.6	363.8	364.6	369.5	377.6
157.5°	426.5	415.4	403.7	394.1	386.3	379.9	375.4	375.4	375.4	379.9	386.3
160°	426.5	416.7	407.0	398.0	391.5	385.8	382.5	382.5	382.5	385.8	391.5
162.5°	426.5	418.0	409.0	401.9	396.1	391.0	388.4	389.1	388.4	391.0	396.1
165°	424.9	418.3	411.0	406.2	402.1	398.0	396.4	396.4	396.4	398.0	402.1
167.5°	422.9	418.2	412.8	409.1	406.8	403.7	402.9	403.7	402.9	403.7	406.8
170°	421.6	417.5	413.4	411.0	409.4	407.0	406.2	407.0	406.2	407.0	409.4
172.5°	420.3	416.9	414.1	412.3	411.3	409.5	409.4	410.2	409.4	409.5	411.3
175°	418.3	415.9	414.3	414.3	413.4	412.6	412.6	413.4	412.6	412.6	413.4
177.5°	416.2	414.9	414.3	414.3	414.3	413.6	414.3	414.9	414.3	413.6	414.3
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



TEST NUMBER: P332945-930

CATALOG NUMBER: SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1056.8	1053.3	1048.8	1043.6	1037.4	1031.8	1029.4	1031.4	1032.5	1029.7	1029.4
5°	1024.6	1013.7	1005.1	992.1	981.7	973.0	966.9	964.3	965.2	958.3	956.5
7.5°	988.5	975.6	961.4	946.0	931.6	918.8	912.2	908.5	901.2	898.0	892.7
10°	965.2	947.9	934.0	915.7	899.3	884.1	876.8	870.7	863.3	859.8	852.5
12.5°	941.3	921.1	905.9	887.0	870.2	851.8	844.8	833.6	822.1	814.7	805.3
15°	907.5	883.3	864.6	842.0	822.1	801.3	782.7	761.8	754.1	737.6	728.1
17.5°	868.0	843.4	820.4	790.1	759.4	733.5	713.6	693.7	681.8	671.2	666.3
20°	842.0	819.5	787.4	752.3	718.0	689.4	673.4	660.4	647.3	640.0	634.8
22.5°	817.4	788.6	751.4	713.5	679.2	656.8	643.2	629.8	619.3	612.3	605.3
25°	776.2	738.4	699.0	655.6	632.2	612.7	597.9	587.1	580.6	571.5	568.0
27.5°	733.8	688.0	644.5	615.4	591.0	573.2	560.3	552.1	543.9	538.1	533.6
30°	701.2	654.8	615.7	588.0	563.3	548.5	538.1	528.6	522.0	517.3	513.8
32.5°	668.9	622.5	589.7	559.9	540.4	525.9	514.9	507.8	502.6	496.5	494.4
35°	622.2	581.1	552.4	525.5	505.6	492.6	483.9	476.5	472.2	470.4	469.1
37.5°	577.4	543.6	512.9	490.8	473.0	462.8	452.6	449.0	446.0	442.9	444.3
40°	548.9	517.3	490.0	466.6	452.2	441.0	434.9	430.6	428.0	428.0	428.0
42.5°	524.3	493.3	466.8	445.7	431.5	421.9	415.2	411.5	410.6	410.3	412.4
45°	486.1	457.5	430.6	413.2	401.0	391.5	387.7	384.6	384.6	386.4	386.8
47.5°	448.2	421.3	399.8	380.3	369.2	363.3	359.9	358.3	358.5	360.3	362.2
50°	424.9	398.5	377.2	359.9	349.5	343.8	340.8	340.0	340.8	340.8	343.8
52.5°	399.6	375.9	355.1	340.5	328.6	323.3	321.7	320.5	321.1	322.5	323.8
55°	362.5	341.3	321.3	307.4	298.7	295.3	291.4	291.8	291.0	291.8	291.8
57.5°	325.3	306.2	287.6	276.6	269.0	264.0	259.8	261.0	259.7	259.5	258.8
60°	301.3	280.5	265.8	255.8	247.1	242.8	238.9	239.8	238.5	237.6	235.9
62.5°	275.3	258.0	243.9	234.3	227.4	222.3	218.4	217.6	214.6	211.6	207.8
65°	237.6	223.3	210.8	201.6	195.1	191.2	188.2	185.6	179.0	172.1	168.7
67.5°	201.0	190.6	178.9	171.2	165.9	160.8	155.0	150.6	144.5	140.6	138.5
70°	177.3	167.4	157.4	150.0	144.4	139.7	133.1	130.1	125.7	124.0	121.8
72.5°	154.8	145.5	136.2	129.6	123.6	119.8	114.7	111.7	109.8	109.1	107.0
75°	120.6	113.2	106.2	100.2	95.4	92.8	90.7	88.5	87.6	83.6	81.5
77.5°	88.0	83.1	78.8	74.4	71.0	69.3	65.1	62.6	61.1	59.4	58.9
80°	68.5	65.1	60.7	58.1	53.3	51.6	49.9	49.4	49.0	48.6	48.1
82.5°	51.5	48.0	43.7	42.2	40.8	39.8	38.7	38.3	37.9	38.2	38.1
85°	26.0	24.3	24.3	23.9	23.4	23.0	22.6	22.6	22.1	22.6	22.1
87.5°	9.9	9.6	10.6	9.9	10.6	10.9	10.4	10.6	11.1	10.5	10.5
90°	6.5	6.5	11.4	11.4	13.0	14.7	13.9	14.7	15.5	16.3	16.3
92.5°	43.0	59.9	101.3	164.4	225.9	258.2	215.1	159.9	120.3	95.7	79.4
95°	67.6	101.7	172.5	306.1	500.6	663.3	682.1	603.1	477.0	367.9	288.9
97.5°	81.7	110.4	164.9	275.1	468.5	698.6	856.9	891.1	844.2	764.6	679.6
100°	92.8	118.9	166.9	258.9	424.9	654.4	862.7	981.6	997.8	958.0	897.7
102.5°	105.2	129.9	173.3	254.3	395.6	599.1	813.9	977.1	1057.8	1069.3	1044.2
105°	126.1	149.8	188.8	256.4	370.3	533.9	725.2	911.6	1052.4	1132.9	1166.4
107.5°	147.8	171.0	206.9	268.4	365.7	497.5	653.5	818.6	968.6	1082.1	1154.6
110°	162.8	184.7	220.5	277.5	367.0	485.1	617.8	762.6	903.4	1021.5	1111.0



TEST NUMBER: P332945-930

CATALOG NUMBER: SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	177.1	199.1	233.6	287.3	371.0	479.2	597.6	721.6	846.1	957.7	1047.2
115°	199.4	221.4	254.0	302.8	378.5	476.1	578.7	680.4	780.6	875.8	953.9
117.5°	219.9	242.7	273.6	318.5	386.5	475.3	570.2	660.2	743.1	818.0	884.3
120°	233.6	256.4	287.3	329.6	392.3	475.3	565.7	651.1	726.8	792.0	849.7
122.5°	247.3	269.4	300.4	340.1	398.2	474.7	560.4	643.4	716.4	775.7	826.3
125°	266.1	288.9	318.2	355.7	407.0	473.7	551.9	630.0	699.9	756.1	800.9
127.5°	283.6	306.6	334.8	369.2	413.9	471.9	540.3	613.7	680.6	736.6	779.1
130°	294.6	318.2	345.9	377.6	419.1	471.2	533.1	600.7	665.0	720.3	763.4
132.5°	305.1	327.3	355.1	386.1	423.7	470.6	526.6	587.0	647.4	701.4	744.6
135°	319.8	341.0	367.9	397.2	430.6	469.6	516.8	568.1	621.0	670.7	711.3
137.5°	332.4	352.6	377.6	405.0	434.6	469.4	508.3	551.1	595.8	637.6	674.4
140°	340.2	359.8	384.2	410.2	437.9	468.8	503.9	541.3	579.5	616.1	650.3
142.5°	347.4	366.2	390.0	414.1	440.5	468.8	499.9	532.1	565.8	597.3	626.9
145°	357.3	375.2	396.4	418.3	442.0	467.2	493.3	519.3	547.0	571.4	594.2
147.5°	366.9	383.0	402.9	422.1	442.8	464.2	487.2	508.7	530.7	550.2	568.1
150°	372.8	388.2	406.2	424.0	442.8	462.3	482.7	502.2	520.9	537.2	551.9
152.5°	378.6	392.8	408.8	425.3	441.5	459.0	477.4	495.0	511.1	526.1	538.2
155°	386.6	398.8	412.6	426.5	439.5	454.2	469.6	484.3	497.3	509.5	519.3
157.5°	394.1	403.7	415.4	426.5	437.4	449.1	461.6	472.7	483.6	493.9	501.7
160°	398.0	407.0	416.7	426.5	435.5	445.2	455.8	465.5	474.5	483.5	490.0
162.5°	401.9	409.0	418.0	426.5	433.5	441.3	450.6	458.4	466.0	473.0	478.9
165°	406.2	411.0	418.3	424.9	429.7	435.5	442.0	448.5	453.4	459.0	463.1
167.5°	409.1	412.8	418.2	422.9	425.8	429.6	434.1	438.9	442.6	447.2	449.6
170°	411.0	413.4	417.5	421.6	423.2	425.7	428.9	433.0	435.5	438.7	441.2
172.5°	412.3	414.1	416.9	420.3	420.6	421.8	424.4	427.8	429.6	431.5	433.3
175°	414.3	414.3	415.9	418.3	417.5	417.5	419.1	420.8	421.6	423.2	423.2
177.5°	414.3	414.3	414.9	416.2	414.9	414.9	415.6	416.2	416.9	416.9	417.5
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



TEST NUMBER: P332945-930

CATALOG NUMBER: SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1027.3	1028.0	1025.6	1024.8	1025.6	1028.0	1027.3	1029.4	1029.7	1032.5	1031.4
5°	953.1	952.2	950.1	950.5	950.1	952.2	953.1	956.5	958.3	965.2	964.3
7.5°	889.6	886.2	887.1	883.7	887.1	886.2	889.6	892.7	898.0	901.2	908.5
10°	850.8	846.0	842.0	838.6	842.0	846.0	850.8	852.5	859.8	863.3	870.7
12.5°	797.7	793.6	788.3	789.4	788.3	793.6	797.7	805.3	814.7	822.1	833.6
15°	722.4	715.9	705.5	706.8	705.5	715.9	722.4	728.1	737.6	754.1	761.8
17.5°	658.7	658.8	654.0	655.1	654.0	658.8	658.7	666.3	671.2	681.8	693.7
20°	625.7	622.6	623.1	621.8	623.1	622.6	625.7	634.8	640.0	647.3	660.4
22.5°	602.8	599.1	596.1	593.4	596.1	599.1	602.8	605.3	612.3	619.3	629.8
25°	564.1	561.5	557.6	556.8	557.6	561.5	564.1	568.0	571.5	580.6	587.1
27.5°	530.1	529.6	528.1	526.0	528.1	529.6	530.1	533.6	538.1	543.9	552.1
30°	510.4	509.5	508.6	507.3	508.6	509.5	510.4	513.8	517.3	522.0	528.6
32.5°	492.7	492.1	491.3	491.4	491.3	492.1	492.7	494.4	496.5	502.6	507.8
35°	467.4	467.0	466.1	465.7	466.1	467.0	467.4	469.1	470.4	472.2	476.5
37.5°	443.8	445.0	444.4	444.3	444.4	445.0	443.8	444.3	442.9	446.0	449.0
40°	427.5	428.0	428.8	428.4	428.8	428.0	427.5	428.0	428.0	428.0	430.6
42.5°	414.0	414.1	415.3	413.8	415.3	414.1	414.0	412.4	410.3	410.6	411.5
45°	389.8	392.4	392.0	392.0	392.0	392.4	389.8	386.8	386.4	384.6	384.6
47.5°	363.4	365.6	366.2	366.2	366.2	365.6	363.4	362.2	360.3	358.5	358.3
50°	346.0	345.1	346.4	346.0	346.4	345.1	346.0	343.8	340.8	340.8	340.0
52.5°	324.9	325.1	325.0	324.5	325.0	325.1	324.9	323.8	322.5	321.1	320.5
55°	292.3	292.7	291.8	292.3	291.8	292.7	292.3	291.8	291.8	291.0	291.8
57.5°	256.9	254.8	255.7	254.6	255.7	254.8	256.9	258.8	259.5	259.7	261.0
60°	231.5	228.0	227.2	225.5	227.2	228.0	231.5	235.9	237.6	238.5	239.8
62.5°	203.1	200.6	197.7	199.1	197.7	200.6	203.1	207.8	211.6	214.6	217.6
65°	165.2	163.5	162.2	163.9	162.2	163.5	165.2	168.7	172.1	179.0	185.6
67.5°	136.7	135.8	135.8	134.9	135.8	135.8	136.7	138.5	140.6	144.5	150.6
70°	121.8	120.6	120.6	119.7	120.6	120.6	121.8	121.8	124.0	125.7	130.1
72.5°	106.6	105.3	105.7	105.1	105.7	105.3	106.6	107.0	109.1	109.8	111.7
75°	78.9	76.7	76.7	77.2	76.7	76.7	78.9	81.5	83.6	87.6	88.5
77.5°	58.9	58.5	59.0	58.3	59.0	58.5	58.9	58.9	59.4	61.1	62.6
80°	48.1	47.7	47.3	48.6	47.3	47.7	48.1	48.1	48.6	49.0	49.4
82.5°	37.3	37.3	37.2	38.9	37.2	37.3	37.3	38.1	38.2	37.9	38.3
85°	22.6	21.7	22.6	21.7	22.6	21.7	22.6	22.1	22.6	22.1	22.6
87.5°	11.4	11.3	10.7	11.1	10.7	11.3	11.4	10.5	10.5	11.1	10.6
90°	17.1	17.9	17.1	17.1	17.1	17.9	17.1	16.3	16.3	15.5	14.7
92.5°	69.9	65.5	62.7	62.7	62.7	65.5	69.9	79.4	95.7	120.3	159.9
95°	249.1	223.8	209.2	198.6	209.2	223.8	249.1	288.9	367.9	477.0	603.1
97.5°	621.2	572.2	547.8	530.8	547.8	572.2	621.2	679.6	764.6	844.2	891.1
100°	827.0	777.3	752.8	746.4	752.8	777.3	827.0	897.7	958.0	997.8	981.6
102.5°	1000.8	964.8	939.1	933.9	939.1	964.8	1000.8	1044.2	1069.3	1057.8	977.1
105°	1168.0	1161.5	1150.1	1145.2	1150.1	1161.5	1168.0	1166.4	1132.9	1052.4	911.6
107.5°	1194.8	1213.4	1221.6	1223.7	1221.6	1213.4	1194.8	1154.6	1082.1	968.6	818.6
110°	1168.8	1203.0	1217.6	1225.0	1217.6	1203.0	1168.8	1111.0	1021.5	903.4	762.6



TEST NUMBER: P332945-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1112.8	1154.1	1174.7	1186.5	1174.7	1154.1	1112.8	1047.2	957.7	846.1	721.6
115°	1018.2	1067.1	1093.1	1099.6	1093.1	1067.1	1018.2	953.9	875.8	780.6	680.4
117.5°	939.1	980.2	1006.5	1011.5	1006.5	980.2	939.1	884.3	818.0	743.1	660.2
120°	896.1	932.0	953.1	962.1	953.1	932.0	896.1	849.7	792.0	726.8	651.1
122.5°	865.5	896.1	914.0	923.0	914.0	896.1	865.5	826.3	775.7	716.4	643.4
125°	833.5	857.0	872.5	877.4	872.5	857.0	833.5	800.9	756.1	699.9	630.0
127.5°	811.8	832.8	845.8	850.7	845.8	832.8	811.8	779.1	736.6	680.6	613.7
130°	796.8	817.2	830.2	835.1	830.2	817.2	796.8	763.4	720.3	665.0	600.7
132.5°	777.3	800.2	812.6	817.5	812.6	800.2	777.3	744.6	701.4	647.4	587.0
135°	744.0	766.7	779.8	784.6	779.8	766.7	744.0	711.3	670.7	621.0	568.1
137.5°	704.8	727.3	738.1	744.0	738.1	727.3	704.8	674.4	637.6	595.8	551.1
140°	678.8	696.8	708.1	714.6	708.1	696.8	678.8	650.3	616.1	579.5	541.3
142.5°	652.1	668.7	678.8	683.4	678.8	668.7	652.1	626.9	597.3	565.8	532.1
145°	614.5	628.4	636.5	640.6	636.5	628.4	614.5	594.2	571.4	547.0	519.3
147.5°	583.1	595.0	601.2	602.6	601.2	595.0	583.1	568.1	550.2	530.7	508.7
150°	564.8	575.4	580.3	581.1	580.3	575.4	564.8	551.9	537.2	520.9	502.2
152.5°	549.3	557.8	560.8	561.6	560.8	557.8	549.3	538.2	526.1	511.1	495.0
155°	527.4	533.9	536.4	536.4	536.4	533.9	527.4	519.3	509.5	497.3	484.3
157.5°	507.8	512.7	514.2	514.2	514.2	512.7	507.8	501.7	493.9	483.6	472.7
160°	494.9	499.8	500.6	500.6	500.6	499.8	494.9	490.0	483.5	474.5	465.5
162.5°	482.5	487.4	488.2	487.5	488.2	487.4	482.5	478.9	473.0	466.0	458.4
165°	466.4	469.6	468.8	468.0	468.8	469.6	466.4	463.1	459.0	453.4	448.5
167.5°	451.3	453.4	453.2	452.6	453.2	453.4	451.3	449.6	447.2	442.6	438.9
170°	442.8	443.6	442.8	442.8	442.8	443.6	442.8	441.2	438.7	435.5	433.0
172.5°	434.3	435.1	434.3	433.0	434.3	435.1	434.3	433.3	431.5	429.6	427.8
175°	423.2	424.9	423.2	421.6	423.2	424.9	423.2	423.2	423.2	421.6	420.8
177.5°	416.9	417.5	416.2	414.9	416.2	417.5	416.9	417.5	416.9	416.9	416.2
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



TEST NUMBER: P332945-930

CATALOG NUMBER: SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1029.4	1031.8	1037.4	1043.6	1048.8	1053.3	1056.8	1061.6	1066.2	1072.4	1078.3
5°	966.9	973.0	981.7	992.1	1005.1	1013.7	1024.6	1034.1	1048.0	1061.9	1075.4
7.5°	912.2	918.8	931.6	946.0	961.4	975.6	988.5	1005.3	1023.7	1043.8	1066.4
10°	876.8	884.1	899.3	915.7	934.0	947.9	965.2	985.1	1006.0	1030.7	1058.4
12.5°	844.8	851.8	870.2	887.0	905.9	921.1	941.3	961.6	989.3	1016.1	1047.7
15°	782.7	801.3	822.1	842.0	864.6	883.3	907.5	928.4	954.8	992.5	1028.5
17.5°	713.6	733.5	759.4	790.1	820.4	843.4	868.0	893.9	925.4	963.9	1005.4
20°	673.4	689.4	718.0	752.3	787.4	819.5	842.0	870.7	903.2	944.9	987.7
22.5°	643.2	656.8	679.2	713.5	751.4	788.6	817.4	845.7	881.7	923.3	970.0
25°	597.9	612.7	632.2	655.6	699.0	738.4	776.2	808.7	846.9	888.4	940.5
27.5°	560.3	573.2	591.0	615.4	644.5	688.0	733.8	770.9	810.0	854.7	906.8
30°	538.1	548.5	563.3	588.0	615.7	654.8	701.2	744.5	784.0	830.4	884.5
32.5°	514.9	525.9	540.4	559.9	589.7	622.5	668.9	716.4	758.3	805.8	858.9
35°	483.9	492.6	505.6	525.5	552.4	581.1	622.2	671.2	715.4	766.2	816.9
37.5°	452.6	462.8	473.0	490.8	512.9	543.6	577.4	627.5	676.5	722.8	772.3
40°	434.9	441.0	452.2	466.6	490.0	517.3	548.9	597.9	646.9	692.9	742.7
42.5°	415.2	421.9	431.5	445.7	466.8	493.3	524.3	566.7	617.8	662.3	707.8
45°	387.7	391.5	401.0	413.2	430.6	457.5	486.1	523.8	571.9	614.4	654.3
47.5°	359.9	363.3	369.2	380.3	399.8	421.3	448.2	482.0	524.2	566.7	600.5
50°	340.8	343.8	349.5	359.9	377.2	398.5	424.9	455.3	493.0	533.8	562.0
52.5°	321.7	323.3	328.6	340.5	355.1	375.9	399.6	427.5	462.8	496.7	525.2
55°	291.4	295.3	298.7	307.4	321.3	341.3	362.5	389.0	416.3	444.9	469.1
57.5°	259.8	264.0	269.0	276.6	287.6	306.2	325.3	346.7	370.1	393.8	414.2
60°	238.9	242.8	247.1	255.8	265.8	280.5	301.3	320.0	337.8	359.5	379.8
62.5°	218.4	222.3	227.4	234.3	243.9	258.0	275.3	291.6	310.1	329.0	344.1
65°	188.2	191.2	195.1	201.6	210.8	223.3	237.6	250.2	266.7	280.5	294.4
67.5°	155.0	160.8	165.9	171.2	178.9	190.6	201.0	213.0	224.2	234.5	247.1
70°	133.1	139.7	144.4	150.0	157.4	167.4	177.3	185.6	194.7	204.6	216.0
72.5°	114.7	119.8	123.6	129.6	136.2	145.5	154.8	161.7	169.0	175.9	186.8
75°	90.7	92.8	95.4	100.2	106.2	113.2	120.6	126.6	130.9	137.1	144.8
77.5°	65.1	69.3	71.0	74.4	78.8	83.1	88.0	93.0	97.2	99.4	105.3
80°	49.9	51.6	53.3	58.1	60.7	65.1	68.5	73.3	75.0	77.2	82.8
82.5°	38.7	39.8	40.8	42.2	43.7	48.0	51.5	54.5	56.3	57.1	61.3
85°	22.6	23.0	23.4	23.9	24.3	24.3	26.0	28.2	31.2	31.2	32.5
87.5°	10.4	10.9	10.6	9.9	10.6	9.6	9.9	9.8	10.7	11.3	12.0
90°	13.9	14.7	13.0	11.4	11.4	6.5	6.5	5.7	4.9	2.4	0.8
92.5°	215.1	258.2	225.9	164.4	101.3	59.9	43.0	31.1	21.2	13.5	9.3
95°	682.1	663.3	500.6	306.1	172.5	101.7	67.6	48.0	37.4	29.3	26.8
97.5°	856.9	698.6	468.5	275.1	164.9	110.4	81.7	65.0	55.2	48.2	48.2
100°	862.7	654.4	424.9	258.9	166.9	118.9	92.8	77.3	67.6	61.9	61.9
102.5°	813.9	599.1	395.6	254.3	173.3	129.9	105.2	90.3	81.2	76.1	74.8
105°	725.2	533.9	370.3	256.4	188.8	149.8	126.1	111.5	101.7	97.7	95.2
107.5°	653.5	497.5	365.7	268.4	206.9	171.0	147.8	133.8	123.4	119.4	117.7
110°	617.8	485.1	367.0	277.5	220.5	184.7	162.8	148.1	138.4	134.3	132.6



TEST NUMBER: P332945-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	597.6	479.2	371.0	287.3	233.6	199.1	177.1	162.5	153.4	148.6	147.0
115°	578.7	476.1	378.5	302.8	254.0	221.4	199.4	183.9	175.8	170.1	167.7
117.5°	570.2	475.3	386.5	318.5	273.6	242.7	219.9	205.5	196.5	191.4	189.1
120°	565.7	475.3	392.3	329.6	287.3	256.4	233.6	219.7	210.8	205.1	203.5
122.5°	560.4	474.7	398.2	340.1	300.4	269.4	247.3	232.1	223.8	218.1	216.5
125°	551.9	473.7	407.0	355.7	318.2	288.9	266.1	250.7	241.7	236.8	233.6
127.5°	540.3	471.9	413.9	369.2	334.8	306.6	283.6	267.4	257.2	251.4	248.7
130°	533.1	471.2	419.1	377.6	345.9	318.2	294.6	279.2	266.9	260.5	257.2
132.5°	526.6	470.6	423.7	386.1	355.1	327.3	305.1	288.3	276.7	268.2	265.6
135°	516.8	469.6	430.6	397.2	367.9	341.0	319.8	302.8	288.9	280.8	277.5
137.5°	508.3	469.4	434.6	405.0	377.6	352.6	332.4	314.6	301.5	292.5	289.4
140°	503.9	468.8	437.9	410.2	384.2	359.8	340.2	323.1	309.3	300.4	297.9
142.5°	499.9	468.8	440.5	414.1	390.0	366.2	347.4	330.9	317.7	309.5	307.0
145°	493.3	467.2	442.0	418.3	396.4	375.2	357.3	341.9	330.4	322.3	319.8
147.5°	487.2	464.2	442.8	422.1	402.9	383.0	366.9	354.1	342.3	335.2	334.4
150°	482.7	462.3	442.8	424.0	406.2	388.2	372.8	360.6	350.8	344.3	343.5
152.5°	477.4	459.0	441.5	425.3	408.8	392.8	378.6	367.7	358.7	352.1	352.0
155°	469.6	454.2	439.5	426.5	412.6	398.8	386.6	377.6	369.5	364.6	363.8
157.5°	461.6	449.1	437.4	426.5	415.4	403.7	394.1	386.3	379.9	375.4	375.4
160°	455.8	445.2	435.5	426.5	416.7	407.0	398.0	391.5	385.8	382.5	382.5
162.5°	450.6	441.3	433.5	426.5	418.0	409.0	401.9	396.1	391.0	388.4	389.1
165°	442.0	435.5	429.7	424.9	418.3	411.0	406.2	402.1	398.0	396.4	396.4
167.5°	434.1	429.6	425.8	422.9	418.2	412.8	409.1	406.8	403.7	402.9	403.7
170°	428.9	425.7	423.2	421.6	417.5	413.4	411.0	409.4	407.0	406.2	407.0
172.5°	424.4	421.8	420.6	420.3	416.9	414.1	412.3	411.3	409.5	409.4	410.2
175°	419.1	417.5	417.5	418.3	415.9	414.3	414.3	413.4	412.6	412.6	413.4
177.5°	415.6	414.9	414.9	416.2	414.9	414.3	414.3	414.3	413.6	414.3	414.9
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



TEST NUMBER: P332945-930

CATALOG NUMBER: SA4XXRDIP-C795D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1082.8	1085.9	1089.4	1096.0	1101.6	1104.0	1108.8	1112.3	1111.3	1116.1	1124.5
5°	1087.0	1098.8	1112.2	1126.1	1141.7	1154.7	1165.1	1175.5	1183.7	1193.7	1208.4
7.5°	1086.4	1107.2	1129.8	1154.7	1180.3	1202.4	1222.9	1243.7	1262.2	1282.4	1308.8
10°	1083.6	1111.3	1139.5	1172.1	1204.5	1235.3	1263.1	1289.2	1313.9	1340.3	1373.7
12.5°	1080.4	1112.4	1146.5	1185.5	1226.0	1263.1	1295.7	1333.2	1364.2	1398.2	1436.8
15°	1066.7	1109.6	1156.0	1206.7	1255.3	1305.1	1349.8	1395.8	1438.7	1479.4	1528.0
17.5°	1050.9	1100.4	1155.1	1215.0	1273.4	1334.0	1387.0	1445.0	1488.8	1543.5	1588.6
20°	1038.0	1091.4	1149.9	1217.2	1283.4	1350.7	1409.2	1468.2	1517.6	1572.7	1629.9
22.5°	1022.5	1081.0	1144.4	1214.0	1283.4	1356.9	1421.7	1480.3	1541.6	1603.5	1662.6
25°	997.3	1058.0	1125.2	1201.5	1281.3	1356.3	1425.7	1498.5	1564.5	1631.7	1684.6
27.5°	966.5	1030.1	1101.0	1179.7	1261.6	1338.5	1420.2	1497.8	1564.1	1628.8	1675.0
30°	941.8	1009.0	1077.1	1156.8	1241.9	1324.2	1411.9	1489.5	1559.3	1617.4	1643.4
32.5°	916.5	980.2	1050.4	1131.2	1218.2	1306.9	1393.8	1473.2	1537.7	1572.6	1573.3
35°	872.5	932.2	1005.1	1084.4	1173.8	1270.1	1358.0	1436.1	1475.5	1478.6	1436.1
37.5°	824.3	879.3	948.0	1027.4	1125.3	1221.1	1311.0	1363.0	1376.1	1332.0	1253.4
40°	790.0	840.7	907.1	988.6	1085.7	1184.6	1266.6	1304.7	1290.9	1219.3	1131.7
42.5°	754.0	801.2	865.1	945.6	1043.1	1143.0	1212.8	1233.3	1196.5	1113.9	1011.4
45°	695.0	738.4	801.8	882.8	976.5	1070.2	1123.1	1112.6	1051.5	953.5	838.6
47.5°	633.7	675.6	732.6	807.6	903.5	984.4	1020.2	988.8	901.8	794.0	700.5
50°	593.2	636.1	688.6	760.1	847.7	925.8	948.8	901.1	804.4	700.7	614.8
52.5°	553.3	590.0	641.4	710.5	794.3	860.2	872.5	817.4	717.6	624.8	548.6
55°	492.6	525.9	569.3	634.4	706.8	762.7	756.2	685.5	594.9	515.6	455.8
57.5°	433.9	459.0	499.0	560.0	623.6	661.1	637.4	577.2	492.7	427.7	377.2
60°	395.0	418.4	455.8	509.1	565.0	586.2	566.3	500.8	434.1	374.6	332.2
62.5°	358.2	378.9	411.0	460.5	505.6	518.3	496.9	439.8	379.6	328.8	293.7
65°	304.8	323.9	351.2	386.4	417.6	423.6	409.8	351.2	305.7	263.2	238.9
67.5°	256.3	268.8	290.2	320.5	337.1	340.6	313.8	277.0	236.9	210.8	192.5
70°	223.7	232.4	252.3	268.8	282.3	282.7	258.0	228.5	197.7	176.5	163.1
72.5°	192.2	200.5	215.6	226.9	237.2	233.8	211.2	187.9	163.1	147.0	137.1
75°	148.3	155.6	163.5	168.7	168.7	164.4	147.9	130.5	116.2	106.6	103.6
77.5°	107.8	113.9	116.5	115.7	114.1	107.4	96.9	85.6	80.5	76.0	73.7
80°	84.5	87.2	88.1	85.9	83.2	75.4	68.5	63.8	58.9	57.2	56.3
82.5°	62.7	65.0	62.7	63.3	57.6	51.2	47.4	45.7	43.7	43.0	42.2
85°	33.4	32.9	32.1	29.9	26.0	25.1	24.7	24.3	23.4	23.9	23.0
87.5°	11.9	11.4	10.2	9.9	9.9	10.3	10.6	10.9	11.3	10.8	11.6
90°	2.4	4.9	5.7	6.5	6.5	11.4	11.4	13.0	14.7	13.9	14.7
92.5°	13.5	21.2	31.1	43.0	59.9	101.3	164.4	225.9	258.2	215.1	159.9
95°	29.3	37.4	48.0	67.6	101.7	172.5	306.1	500.6	663.3	682.1	603.1
97.5°	48.2	55.2	65.0	81.7	110.4	164.9	275.1	468.5	698.6	856.9	891.1
100°	61.9	67.6	77.3	92.8	118.9	166.9	258.9	424.9	654.4	862.7	981.6
102.5°	76.1	81.2	90.3	105.2	129.9	173.3	254.3	395.6	599.1	813.9	977.1
105°	97.7	101.7	111.5	126.1	149.8	188.8	256.4	370.3	533.9	725.2	911.6
107.5°	119.4	123.4	133.8	147.8	171.0	206.9	268.4	365.7	497.5	653.5	818.6
110°	134.3	138.4	148.1	162.8	184.7	220.5	277.5	367.0	485.1	617.8	762.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	148.6	153.4	162.5	177.1	199.1	233.6	287.3	371.0	479.2	597.6	721.6
115°	170.1	175.8	183.9	199.4	221.4	254.0	302.8	378.5	476.1	578.7	680.4
117.5°	191.4	196.5	205.5	219.9	242.7	273.6	318.5	386.5	475.3	570.2	660.2
120°	205.1	210.8	219.7	233.6	256.4	287.3	329.6	392.3	475.3	565.7	651.1
122.5°	218.1	223.8	232.1	247.3	269.4	300.4	340.1	398.2	474.7	560.4	643.4
125°	236.8	241.7	250.7	266.1	288.9	318.2	355.7	407.0	473.7	551.9	630.0
127.5°	251.4	257.2	267.4	283.6	306.6	334.8	369.2	413.9	471.9	540.3	613.7
130°	260.5	266.9	279.2	294.6	318.2	345.9	377.6	419.1	471.2	533.1	600.7
132.5°	268.2	276.7	288.3	305.1	327.3	355.1	386.1	423.7	470.6	526.6	587.0
135°	280.8	288.9	302.8	319.8	341.0	367.9	397.2	430.6	469.6	516.8	568.1
137.5°	292.5	301.5	314.6	332.4	352.6	377.6	405.0	434.6	469.4	508.3	551.1
140°	300.4	309.3	323.1	340.2	359.8	384.2	410.2	437.9	468.8	503.9	541.3
142.5°	309.5	317.7	330.9	347.4	366.2	390.0	414.1	440.5	468.8	499.9	532.1
145°	322.3	330.4	341.9	357.3	375.2	396.4	418.3	442.0	467.2	493.3	519.3
147.5°	335.2	342.3	354.1	366.9	383.0	402.9	422.1	442.8	464.2	487.2	508.7
150°	344.3	350.8	360.6	372.8	388.2	406.2	424.0	442.8	462.3	482.7	502.2
152.5°	352.1	358.7	367.7	378.6	392.8	408.8	425.3	441.5	459.0	477.4	495.0
155°	364.6	369.5	377.6	386.6	398.8	412.6	426.5	439.5	454.2	469.6	484.3
157.5°	375.4	379.9	386.3	394.1	403.7	415.4	426.5	437.4	449.1	461.6	472.7
160°	382.5	385.8	391.5	398.0	407.0	416.7	426.5	435.5	445.2	455.8	465.5
162.5°	388.4	391.0	396.1	401.9	409.0	418.0	426.5	433.5	441.3	450.6	458.4
165°	396.4	398.0	402.1	406.2	411.0	418.3	424.9	429.7	435.5	442.0	448.5
167.5°	402.9	403.7	406.8	409.1	412.8	418.2	422.9	425.8	429.6	434.1	438.9
170°	406.2	407.0	409.4	411.0	413.4	417.5	421.6	423.2	425.7	428.9	433.0
172.5°	409.4	409.5	411.3	412.3	414.1	416.9	420.3	420.6	421.8	424.4	427.8
175°	412.6	412.6	413.4	414.3	414.3	415.9	418.3	417.5	417.5	419.1	420.8
177.5°	414.3	413.6	414.3	414.3	414.3	414.9	416.2	414.9	414.9	415.6	416.2
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1128.9	1130.3	1131.4	1134.8	1135.1	1138.3	1135.1
5°	1222.3	1228.4	1238.0	1247.5	1248.4	1254.4	1243.6
7.5°	1327.1	1341.2	1349.9	1365.3	1371.4	1375.2	1369.0
10°	1399.2	1412.3	1435.3	1446.5	1457.8	1459.5	1454.3
12.5°	1469.0	1489.6	1507.7	1529.1	1528.5	1543.9	1538.2
15°	1561.9	1583.1	1608.3	1632.1	1640.8	1640.8	1647.7
17.5°	1628.1	1667.0	1693.1	1711.8	1732.3	1735.8	1733.4
20°	1672.8	1714.9	1742.7	1766.9	1780.9	1784.7	1784.7
22.5°	1706.2	1742.0	1769.0	1790.9	1802.3	1806.9	1805.6
25°	1729.2	1760.0	1776.5	1783.0	1786.0	1785.2	1776.9
27.5°	1697.6	1696.2	1685.9	1665.9	1650.9	1641.8	1631.4
30°	1637.3	1614.8	1588.8	1560.1	1523.2	1495.1	1486.4
32.5°	1547.4	1496.8	1452.8	1405.1	1365.5	1337.3	1325.4
35°	1373.7	1293.5	1228.0	1170.8	1129.1	1103.1	1094.5
37.5°	1167.4	1089.8	1008.8	953.2	918.8	892.4	882.6
40°	1036.3	951.8	881.1	829.1	793.5	767.9	767.5
42.5°	916.6	835.9	769.4	731.9	693.6	676.7	676.6
45°	750.6	686.0	629.6	600.1	577.2	563.3	559.4
47.5°	621.4	568.0	530.4	507.0	488.2	479.4	473.7
50°	548.9	502.1	472.2	451.8	441.4	430.2	429.3
52.5°	488.6	450.8	427.5	410.9	397.7	390.9	391.1
55°	410.6	380.7	364.2	351.6	341.3	336.1	333.9
57.5°	345.9	323.5	311.5	299.9	295.5	291.5	290.3
60°	305.7	290.5	279.2	270.1	263.7	262.4	261.9
62.5°	272.4	256.5	248.7	241.7	236.9	234.9	234.2
65°	224.6	212.9	205.9	200.3	198.6	195.6	195.1
67.5°	181.1	174.1	169.4	165.6	163.2	163.1	163.1
70°	154.3	150.4	146.6	144.4	143.1	142.2	142.2
72.5°	131.5	128.6	125.4	124.3	124.0	123.1	122.8
75°	100.2	97.1	97.6	95.4	93.7	91.5	90.2
77.5°	71.0	68.9	68.4	68.2	66.7	66.4	67.1
80°	55.0	52.9	52.5	52.9	52.5	51.2	51.2
82.5°	41.9	40.0	39.6	39.4	39.0	39.4	38.6
85°	22.6	21.7	21.7	21.7	22.6	22.1	21.7
87.5°	11.1	10.9	11.3	11.1	11.3	10.7	11.1
90°	15.5	16.3	16.3	17.1	17.9	17.1	17.1
92.5°	120.3	95.7	79.4	69.9	65.5	62.7	62.7
95°	477.0	367.9	288.9	249.1	223.8	209.2	198.6
97.5°	844.2	764.6	679.6	621.2	572.2	547.8	530.8
100°	997.8	958.0	897.7	827.0	777.3	752.8	746.4
102.5°	1057.8	1069.3	1044.2	1000.8	964.8	939.1	933.9
105°	1052.4	1132.9	1166.4	1168.0	1161.5	1150.1	1145.2
107.5°	968.6	1082.1	1154.6	1194.8	1213.4	1221.6	1223.7
110°	903.4	1021.5	1111.0	1168.8	1203.0	1217.6	1225.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	846.1	957.7	1047.2	1112.8	1154.1	1174.7	1186.5
115°	780.6	875.8	953.9	1018.2	1067.1	1093.1	1099.6
117.5°	743.1	818.0	884.3	939.1	980.2	1006.5	1011.5
120°	726.8	792.0	849.7	896.1	932.0	953.1	962.1
122.5°	716.4	775.7	826.3	865.5	896.1	914.0	923.0
125°	699.9	756.1	800.9	833.5	857.0	872.5	877.4
127.5°	680.6	736.6	779.1	811.8	832.8	845.8	850.7
130°	665.0	720.3	763.4	796.8	817.2	830.2	835.1
132.5°	647.4	701.4	744.6	777.3	800.2	812.6	817.5
135°	621.0	670.7	711.3	744.0	766.7	779.8	784.6
137.5°	595.8	637.6	674.4	704.8	727.3	738.1	744.0
140°	579.5	616.1	650.3	678.8	696.8	708.1	714.6
142.5°	565.8	597.3	626.9	652.1	668.7	678.8	683.4
145°	547.0	571.4	594.2	614.5	628.4	636.5	640.6
147.5°	530.7	550.2	568.1	583.1	595.0	601.2	602.6
150°	520.9	537.2	551.9	564.8	575.4	580.3	581.1
152.5°	511.1	526.1	538.2	549.3	557.8	560.8	561.6
155°	497.3	509.5	519.3	527.4	533.9	536.4	536.4
157.5°	483.6	493.9	501.7	507.8	512.7	514.2	514.2
160°	474.5	483.5	490.0	494.9	499.8	500.6	500.6
162.5°	466.0	473.0	478.9	482.5	487.4	488.2	487.5
165°	453.4	459.0	463.1	466.4	469.6	468.8	468.0
167.5°	442.6	447.2	449.6	451.3	453.4	453.2	452.6
170°	435.5	438.7	441.2	442.8	443.6	442.8	442.8
172.5°	429.6	431.5	433.3	434.3	435.1	434.3	433.0
175°	421.6	423.2	423.2	423.2	424.9	423.2	421.6
177.5°	416.9	416.9	417.5	416.9	417.5	416.2	414.9
180°	414.3	414.3	414.3	414.3	414.3	414.3	414.3

(END OF REPORT)