

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: P332945-927

Luminaire Tested: **SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332945-927
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-C795D1035U927-4F0-1E-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: 5573.1 lumens
Efficiency: N/A
Efficacy: 107.2 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

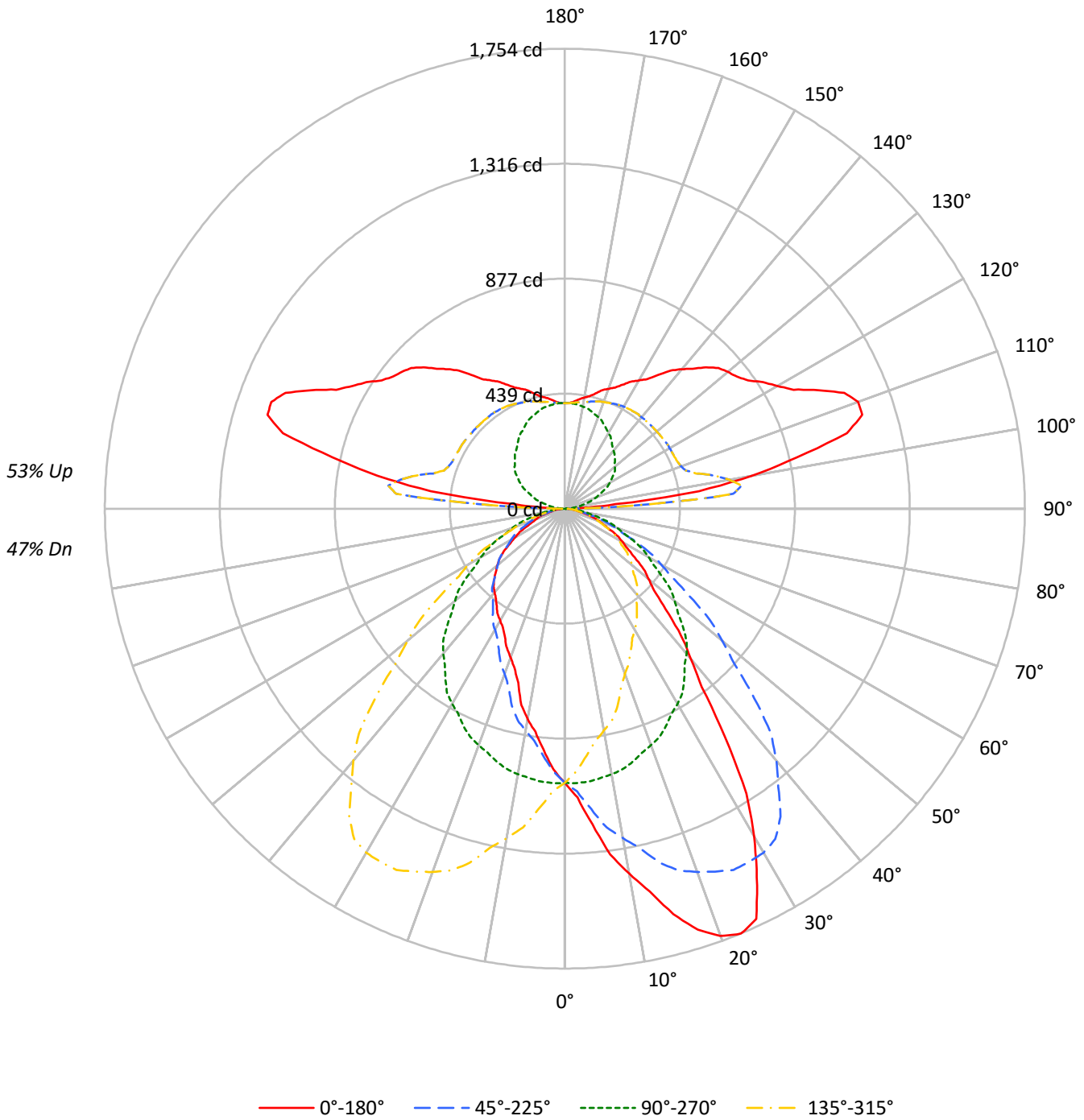
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8442	8442	8442	8442
5°	9792	8468	7484	8468
10°	11584	8430	6679	8430
15°	13381	8352	5739	8352
20°	14898	8245	5191	8245
25°	15380	8141	4819	8141
30°	13463	8011	4595	8011
35°	10480	7823	4459	7823
40°	7860	7606	4387	7606
45°	6205	7258	4349	7258
50°	5238	6859	4222	6859
55°	4566	6415	3997	6415
60°	4108	5959	3538	5959
65°	3622	5465	3041	5465
70°	3262	4952	2745	4952
75°	2732	4389	2339	4389
80°	2311	3742	2194	3742
85°	1954	2927	1954	2927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	1.8
10°-20°	305.6	5.5
20°-30°	478.0	8.6
30°-40°	531.4	9.5
40°-50°	471.5	8.5
50°-60°	367.4	6.6
60°-70°	240.5	4.3
70°-80°	118.3	2.1
80°-90°	31.4	0.6
90°-100°	290.8	5.2
100°-110°	605.1	10.9
110°-120°	542.0	9.7
120°-130°	455.9	8.2
130°-140°	380.1	6.8
140°-150°	290.4	5.2
150°-160°	204.1	3.7
160°-170°	120.1	2.2
170°-180°	39.1	0.7
0°-30°	885.0	15.9
0°-40°	1416.4	25.4
0°-60°	2255.3	40.5
0°-90°	2645.5	47.5
90°-120°	1437.9	25.8
90°-150°	2564.4	46.0
90°-180°	2928.0	52.5
0°-180°	5573.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1046	1046	1046	1046	1046	
5°	1208	1045	924	1045	1208	122
15°	1601	999	687	999	1601	455
25°	1727	914	541	914	1727	766
35°	1063	794	452	794	1063	667
45°	544	636	381	636	544	430
55°	324	456	284	456	324	295
65°	190	286	159	286	190	191
75°	88	141	75	141	88	96
85°	21	32	21	32	21	24
90°	17	1	17	1	17	14
95°	193	26	193	26	193	299
105°	1113	92	1113	92	1113	1100
115°	1068	163	1068	163	1068	1061
125°	852	227	852	227	852	775
135°	762	270	762	270	762	588
145°	622	311	622	311	622	395
155°	521	354	521	354	521	243
165°	455	385	455	385	455	130
175°	410	402	410	402	410	40
180°	402	402	402	402	402	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1103.0	1106.0	1103.0	1102.6	1099.3	1098.3	1096.9	1092.6	1084.4	1079.7	1080.8
5°	1208.3	1218.9	1213.0	1212.1	1202.8	1193.6	1187.6	1174.2	1159.8	1150.2	1142.2
7.5°	1330.2	1336.3	1332.5	1326.6	1311.6	1303.1	1289.4	1271.7	1246.0	1226.4	1208.4
10°	1413.1	1418.2	1416.4	1405.5	1394.6	1372.2	1359.5	1334.7	1302.3	1276.6	1252.6
12.5°	1494.6	1500.1	1485.2	1485.7	1465.0	1447.4	1427.4	1396.1	1358.6	1325.5	1295.4
15°	1601.0	1594.3	1594.3	1585.8	1562.7	1538.2	1517.6	1484.7	1437.5	1397.9	1356.2
17.5°	1684.3	1686.6	1683.1	1663.3	1645.0	1619.8	1581.9	1543.6	1499.8	1446.6	1404.0
20°	1734.1	1734.1	1730.4	1716.8	1693.3	1666.3	1625.4	1583.7	1528.1	1474.6	1426.6
22.5°	1754.4	1755.7	1751.2	1740.1	1718.9	1692.6	1657.8	1615.4	1558.1	1497.9	1438.4
25°	1726.6	1734.6	1735.4	1732.4	1726.1	1710.1	1680.2	1636.8	1585.4	1520.1	1456.0
27.5°	1585.2	1595.2	1604.1	1618.7	1638.1	1648.1	1649.5	1627.5	1582.6	1519.7	1455.3
30°	1444.2	1452.7	1480.0	1515.8	1543.7	1569.0	1590.9	1596.8	1571.5	1515.0	1447.2
32.5°	1287.9	1299.3	1326.7	1365.2	1411.6	1454.4	1503.6	1528.7	1528.0	1494.1	1431.4
35°	1063.4	1071.8	1097.1	1137.6	1193.2	1256.8	1334.7	1395.3	1436.7	1433.7	1395.3
37.5°	857.6	867.1	892.7	926.2	980.2	1058.9	1134.3	1217.9	1294.3	1337.1	1324.4
40°	745.8	746.2	771.0	805.6	856.1	924.8	1006.9	1099.6	1184.7	1254.3	1267.7
42.5°	657.4	657.5	673.9	711.1	747.6	812.2	890.7	982.7	1082.3	1162.6	1198.3
45°	543.5	547.3	560.8	583.1	611.7	666.5	729.3	814.8	926.5	1021.7	1081.1
47.5°	460.3	465.8	474.4	492.6	515.4	551.9	603.8	680.6	771.5	876.2	960.8
50°	417.1	418.0	428.9	439.0	458.8	487.9	533.4	597.4	680.8	781.6	875.5
52.5°	380.0	379.9	386.4	399.3	415.3	438.0	474.8	533.1	607.0	697.3	794.2
55°	324.4	326.5	331.6	341.7	353.9	369.9	398.9	442.8	501.0	578.1	666.1
57.5°	282.1	283.2	287.2	291.4	302.7	314.3	336.1	366.5	415.6	478.7	560.8
60°	254.4	254.9	256.2	262.4	271.3	282.3	297.0	322.7	364.0	421.8	486.6
62.5°	227.5	228.2	230.2	234.8	241.7	249.2	264.7	285.3	319.5	368.8	427.3
65°	189.6	190.0	193.0	194.6	200.1	206.8	218.2	232.1	255.7	297.0	341.3
67.5°	158.4	158.4	158.6	160.9	164.6	169.1	175.9	187.0	204.9	230.2	269.2
70°	138.2	138.2	139.0	140.3	142.4	146.2	150.0	158.4	171.5	192.1	222.0
72.5°	119.3	119.6	120.5	120.7	121.8	124.9	127.8	133.2	142.8	158.4	182.6
75°	87.6	88.9	91.0	92.7	94.8	94.3	97.4	100.7	103.6	112.9	126.8
77.5°	65.2	64.6	64.8	66.2	66.5	66.9	69.0	71.6	73.8	78.2	83.2
80°	49.7	49.7	51.0	51.4	51.0	51.4	53.5	54.7	55.6	57.3	61.9
82.5°	37.5	38.3	37.9	38.3	38.5	38.9	40.7	41.0	41.8	42.5	44.4
85°	21.1	21.5	21.9	21.1	21.1	21.1	21.9	22.3	23.2	22.7	23.6
87.5°	10.8	10.4	10.9	10.8	10.9	10.6	10.8	11.2	10.5	10.9	10.6
90°	16.6	16.6	17.4	16.6	15.8	15.8	15.1	14.3	13.5	14.3	12.7
92.5°	60.9	60.9	63.6	67.9	77.2	93.0	116.9	155.3	209.0	250.9	219.5
95°	193.0	203.3	217.5	242.0	280.7	357.4	463.4	586.0	662.7	644.5	486.4
97.5°	515.8	532.3	556.0	603.6	660.4	742.9	820.2	865.9	832.6	678.8	455.2
100°	725.2	731.5	755.3	803.5	872.3	930.8	969.6	953.8	838.3	635.8	412.8
102.5°	907.4	912.5	937.5	972.4	1014.6	1039.0	1027.8	949.4	790.8	582.1	384.4
105°	1112.7	1117.5	1128.5	1134.9	1133.3	1100.8	1022.5	885.7	704.6	518.8	359.8
107.5°	1189.0	1186.9	1179.0	1160.9	1121.9	1051.4	941.1	795.4	635.0	483.4	355.4
110°	1190.3	1183.1	1168.9	1135.7	1079.5	992.5	877.8	741.0	600.2	471.3	356.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1152.9	1141.4	1121.4	1081.2	1017.5	930.5	822.1	701.2	580.7	465.6	360.4
115°	1068.4	1062.1	1036.8	989.4	926.9	851.0	758.4	661.2	562.3	462.6	367.7
117.5°	982.9	977.9	952.4	912.5	859.2	794.8	722.1	641.5	554.1	461.8	375.5
120°	934.8	926.1	905.5	870.7	825.6	769.5	706.2	632.6	549.6	461.8	381.2
122.5°	896.8	888.1	870.7	841.0	802.9	753.7	696.1	625.1	544.5	461.2	386.9
125°	852.5	847.8	832.7	809.8	778.2	734.7	680.1	612.1	536.2	460.3	395.5
127.5°	826.6	821.8	809.2	788.8	757.0	715.7	661.3	596.3	525.0	458.5	402.2
130°	811.4	806.7	794.0	774.2	741.8	699.9	646.1	583.7	518.0	457.9	407.3
132.5°	794.3	789.6	777.5	755.3	723.5	681.5	629.1	570.4	511.7	457.2	411.7
135°	762.4	757.6	745.0	722.9	691.2	651.6	603.4	552.0	502.2	456.3	418.4
137.5°	722.9	717.2	706.7	684.8	655.3	619.6	578.9	535.4	493.9	456.1	422.3
140°	694.3	688.0	677.0	659.6	631.8	598.7	563.1	525.9	489.6	455.5	425.5
142.5°	664.0	659.6	649.7	633.6	609.1	580.4	549.8	517.1	485.8	455.5	428.0
145°	622.4	618.5	610.5	597.1	577.3	555.2	531.5	504.5	479.3	453.9	429.4
147.5°	585.5	584.2	578.1	566.6	552.0	534.6	515.6	494.2	473.4	451.1	430.2
150°	564.7	563.9	559.1	548.8	536.2	522.0	506.1	488.0	469.0	449.2	430.2
152.5°	545.7	544.9	542.0	533.7	522.9	511.2	496.6	481.0	463.9	446.0	429.0
155°	521.2	521.2	518.8	512.5	504.5	495.0	483.2	470.6	456.3	441.3	427.1
157.5°	499.6	499.6	498.2	493.5	487.5	479.9	469.9	459.3	448.5	436.4	425.0
160°	486.4	486.4	485.6	480.9	476.1	469.8	461.1	452.3	442.9	432.6	423.1
162.5°	473.7	474.4	473.6	468.8	465.3	459.6	452.8	445.4	437.8	428.8	421.2
165°	454.7	455.5	456.3	453.1	450.0	446.0	440.5	435.8	429.4	423.1	417.6
167.5°	439.7	440.4	440.5	438.5	436.9	434.5	430.1	426.4	421.8	417.4	413.8
170°	430.2	430.2	431.0	430.2	428.6	426.3	423.1	420.7	416.8	413.6	411.2
172.5°	420.7	422.0	422.8	422.0	421.0	419.3	417.4	415.7	412.3	409.8	408.7
175°	409.6	411.2	412.8	411.2	411.2	411.2	409.6	408.8	407.3	405.7	405.7
177.5°	403.1	404.4	405.7	405.0	405.7	405.0	405.0	404.4	403.8	403.1	403.1
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1077.4	1072.7	1070.3	1064.9	1058.5	1055.1	1052.1	1047.7	1042.0	1035.9	1031.5
5°	1132.0	1122.0	1109.3	1094.2	1080.7	1067.6	1056.2	1044.9	1031.8	1018.3	1004.8
7.5°	1188.2	1168.3	1146.8	1122.0	1097.8	1075.8	1055.6	1036.2	1014.2	994.7	976.8
10°	1227.2	1200.3	1170.4	1138.8	1107.2	1079.8	1052.9	1028.4	1001.5	977.5	957.2
12.5°	1258.9	1227.2	1191.3	1151.9	1114.0	1080.9	1049.8	1018.0	987.3	961.2	934.3
15°	1311.5	1268.1	1219.7	1172.5	1123.2	1078.2	1036.4	999.3	964.4	927.7	902.1
17.5°	1347.7	1296.2	1237.3	1180.6	1122.4	1069.2	1021.1	976.9	936.6	899.1	868.5
20°	1369.3	1312.4	1247.1	1182.6	1117.3	1060.4	1008.6	959.7	918.1	877.6	846.0
22.5°	1381.4	1318.4	1247.1	1179.6	1111.9	1050.4	993.5	942.5	897.1	856.7	821.7
25°	1385.3	1317.9	1245.0	1167.4	1093.3	1028.0	969.0	913.9	863.2	822.8	785.8
27.5°	1379.9	1300.5	1225.8	1146.3	1069.8	1000.9	939.1	881.1	830.4	787.0	749.0
30°	1371.8	1286.7	1206.7	1124.0	1046.6	980.4	915.0	859.4	806.8	761.8	723.4
32.5°	1354.2	1269.9	1183.7	1099.2	1020.6	952.4	890.5	834.6	782.9	736.8	696.1
35°	1319.5	1234.1	1140.5	1053.7	976.6	905.8	847.7	793.8	744.5	695.1	652.2
37.5°	1273.8	1186.5	1093.4	998.3	921.1	854.4	801.0	750.4	702.3	657.3	609.7
40°	1230.7	1151.0	1054.9	960.6	881.4	816.9	767.6	721.7	673.3	628.6	581.0
42.5°	1178.4	1110.6	1013.5	918.8	840.6	778.5	732.6	687.7	643.6	600.3	550.6
45°	1091.2	1039.8	948.8	857.8	779.0	717.5	675.3	635.7	597.0	555.7	509.0
47.5°	991.3	956.5	877.9	784.7	711.9	656.5	615.8	583.4	550.6	509.4	468.3
50°	921.9	899.5	823.6	738.6	669.1	618.1	576.4	546.1	518.6	479.0	442.4
52.5°	847.7	835.8	771.7	690.4	623.2	573.2	537.6	510.3	482.6	449.7	415.4
55°	734.7	741.1	686.7	616.4	553.2	511.0	478.6	455.8	432.3	404.5	378.0
57.5°	619.3	642.4	605.9	544.2	484.9	446.0	421.6	402.4	382.6	359.6	336.9
60°	550.2	569.6	549.0	494.6	442.8	406.5	383.8	369.1	349.3	328.2	310.9
62.5°	482.8	503.6	491.3	447.4	399.3	368.1	348.1	334.4	319.6	301.3	283.3
65°	398.2	411.6	405.8	375.4	341.3	314.7	296.2	286.1	272.6	259.1	243.1
67.5°	304.9	331.0	327.6	311.4	281.9	261.2	249.1	240.1	227.8	217.9	206.9
70°	250.6	274.7	274.3	261.2	245.2	225.9	217.4	209.8	198.8	189.2	180.3
72.5°	205.2	227.2	230.4	220.5	209.5	194.8	186.7	181.5	170.9	164.2	157.1
75°	143.7	159.7	163.9	163.9	158.8	151.2	144.1	140.7	133.2	127.2	123.0
77.5°	94.2	104.3	110.9	112.4	113.2	110.7	104.7	102.3	96.6	94.4	90.4
80°	66.5	73.3	80.9	83.4	85.6	84.7	82.1	80.5	75.0	72.9	71.2
82.5°	46.0	49.7	55.9	61.5	60.9	63.1	60.9	59.6	55.5	54.7	53.0
85°	24.0	24.4	25.3	29.1	31.2	32.0	32.5	31.6	30.3	30.3	27.4
87.5°	10.3	10.0	9.7	9.7	9.9	11.1	11.6	11.6	10.9	10.4	9.5
90°	11.1	11.1	6.3	6.3	5.5	4.8	2.4	0.8	2.4	4.8	5.5
92.5°	159.8	98.4	58.2	41.7	30.2	20.6	13.2	9.0	13.2	20.6	30.2
95°	297.4	167.6	98.9	65.7	46.7	36.4	28.4	26.1	28.4	36.4	46.7
97.5°	267.3	160.3	107.3	79.4	63.1	53.6	46.8	46.8	46.8	53.6	63.1
100°	251.5	162.2	115.5	90.2	75.1	65.7	60.1	60.1	60.1	65.7	75.1
102.5°	247.1	168.4	126.2	102.2	87.8	78.9	74.0	72.7	74.0	78.9	87.8
105°	249.1	183.5	145.5	122.6	108.4	98.9	94.9	92.5	94.9	98.9	108.4
107.5°	260.8	201.1	166.2	143.6	130.0	119.9	116.0	114.4	116.0	119.9	130.0
110°	269.7	214.3	179.5	158.2	143.9	134.4	130.5	128.9	130.5	134.4	143.9



TEST NUMBER: P332945-927

CATALOG NUMBER: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	279.2	227.0	193.5	172.1	157.9	149.0	144.4	142.8	144.4	149.0	157.9
115°	294.2	246.8	215.1	193.8	178.7	170.8	165.2	163.0	165.2	170.8	178.7
117.5°	309.5	265.9	235.8	213.7	199.6	190.9	186.0	183.8	186.0	190.9	199.6
120°	320.3	279.2	249.1	227.0	213.5	204.9	199.3	197.7	199.3	204.9	213.5
122.5°	330.4	291.8	261.7	240.3	225.5	217.5	211.9	210.4	211.9	217.5	225.5
125°	345.6	309.2	280.7	258.6	243.6	234.9	230.1	227.0	230.1	234.9	243.6
127.5°	358.7	325.3	297.9	275.5	259.8	249.9	244.2	241.7	244.2	249.9	259.8
130°	366.9	336.1	309.2	286.3	271.2	259.4	253.1	249.9	253.1	259.4	271.2
132.5°	375.2	345.0	318.1	296.4	280.1	268.9	260.6	258.1	260.6	268.9	280.1
135°	386.0	357.4	331.4	310.8	294.2	280.7	272.8	269.7	272.8	280.7	294.2
137.5°	393.6	366.9	342.6	323.0	305.7	292.9	284.2	281.2	284.2	292.9	305.7
140°	398.5	373.3	349.6	330.6	313.9	300.6	291.8	289.5	291.8	300.6	313.9
142.5°	402.3	379.0	355.8	337.5	321.5	308.7	300.7	298.3	300.7	308.7	321.5
145°	406.5	385.2	364.6	347.2	332.2	321.1	313.1	310.8	313.1	321.1	332.2
147.5°	410.1	391.5	372.2	356.5	344.0	332.6	325.7	324.9	325.7	332.6	344.0
150°	412.0	394.7	377.2	362.2	350.4	340.9	334.5	333.7	334.5	340.9	350.4
152.5°	413.3	397.2	381.7	367.9	357.3	348.5	342.1	342.0	342.1	348.5	357.3
155°	414.4	400.9	387.5	375.7	366.9	359.0	354.3	353.5	354.3	359.0	366.9
157.5°	414.4	403.6	392.3	382.9	375.3	369.2	364.7	364.7	364.7	369.2	375.3
160°	414.4	404.9	395.5	386.7	380.4	374.9	371.7	371.7	371.7	374.9	380.4
162.5°	414.4	406.2	397.4	390.5	384.8	379.9	377.4	378.0	377.4	379.9	384.8
165°	412.8	406.5	399.3	394.7	390.7	386.7	385.2	385.2	385.2	386.7	390.7
167.5°	410.9	406.3	401.1	397.5	395.3	392.3	391.5	392.3	391.5	392.3	395.3
170°	409.6	405.7	401.7	399.3	397.8	395.5	394.7	395.5	394.7	395.5	397.8
172.5°	408.4	405.0	402.3	400.6	399.7	397.9	397.8	398.5	397.8	397.9	399.7
175°	406.5	404.1	402.5	402.5	401.7	400.9	400.9	401.7	400.9	400.9	401.7
177.5°	404.4	403.1	402.5	402.5	402.5	401.9	402.5	403.1	402.5	401.9	402.5
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332945-927

CATALOG NUMBER: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1026.8	1023.4	1019.1	1014.0	1008.0	1002.6	1000.2	1002.2	1003.2	1000.5	1000.2
5°	995.5	985.0	976.6	963.9	953.9	945.4	939.5	937.0	937.9	931.1	929.4
7.5°	960.4	947.9	934.1	919.2	905.1	892.8	886.3	882.7	875.6	872.5	867.4
10°	937.9	921.0	907.5	889.8	873.8	859.0	851.9	846.0	838.8	835.4	828.3
12.5°	914.6	895.0	880.2	861.8	845.5	827.7	820.9	809.9	798.8	791.6	782.4
15°	881.8	858.3	840.1	818.2	798.8	778.6	760.5	740.2	732.7	716.7	707.4
17.5°	843.4	819.5	797.1	767.7	737.8	712.7	693.4	674.0	662.4	652.2	647.5
20°	818.2	796.3	765.1	730.9	697.7	669.9	654.3	641.7	629.0	621.9	616.8
22.5°	794.2	766.3	730.1	693.2	660.0	638.2	625.0	612.0	601.7	594.9	588.1
25°	754.2	717.5	679.1	637.0	614.3	595.3	581.0	570.5	564.1	555.3	551.9
27.5°	713.0	668.5	626.2	597.9	574.3	556.9	544.4	536.5	528.5	522.8	518.5
30°	681.3	636.2	598.3	571.3	547.3	533.0	522.8	513.6	507.2	502.6	499.2
32.5°	649.9	604.8	573.0	544.0	525.1	511.0	500.3	493.4	488.4	482.4	480.4
35°	604.6	564.6	536.8	510.6	491.2	478.6	470.2	463.0	458.8	457.1	455.8
37.5°	561.0	528.2	498.4	476.9	459.6	449.7	439.7	436.3	433.3	430.3	431.7
40°	533.4	502.6	476.1	453.4	439.4	428.5	422.6	418.4	415.8	415.8	415.8
42.5°	509.5	479.3	453.5	433.1	419.2	410.0	403.4	399.8	398.9	398.6	400.7
45°	472.3	444.5	418.4	401.5	389.7	380.4	376.7	373.7	373.7	375.4	375.8
47.5°	435.5	409.4	388.5	369.6	358.8	353.0	349.7	348.2	348.3	350.1	352.0
50°	412.9	387.2	366.5	349.7	339.6	334.1	331.1	330.3	331.1	331.1	334.1
52.5°	388.2	365.3	345.0	330.8	319.3	314.2	312.6	311.4	312.0	313.3	314.6
55°	352.2	331.6	312.2	298.7	290.3	286.9	283.1	283.5	282.7	283.5	283.5
57.5°	316.1	297.5	279.5	268.8	261.4	256.5	252.4	253.6	252.3	252.2	251.4
60°	292.8	272.6	258.3	248.6	240.1	235.9	232.1	233.0	231.7	230.8	229.2
62.5°	267.5	250.6	237.0	227.7	220.9	216.0	212.2	211.4	208.5	205.6	201.9
65°	230.8	217.0	204.8	195.9	189.6	185.8	182.8	180.3	174.0	167.2	163.9
67.5°	195.3	185.2	173.8	166.4	161.2	156.2	150.6	146.3	140.4	136.7	134.6
70°	172.3	162.6	153.0	145.8	140.3	135.7	129.4	126.4	122.2	120.5	118.4
72.5°	150.4	141.4	132.4	125.9	120.1	116.5	111.5	108.5	106.7	106.0	103.9
75°	117.2	110.0	103.2	97.4	92.7	90.2	88.1	86.0	85.1	81.3	79.2
77.5°	85.5	80.7	76.5	72.3	69.0	67.3	63.3	60.8	59.4	57.7	57.2
80°	66.5	63.2	59.0	56.5	51.8	50.1	48.5	48.0	47.6	47.2	46.7
82.5°	50.1	46.7	42.5	41.0	39.7	38.7	37.6	37.2	36.8	37.1	37.0
85°	25.3	23.6	23.6	23.2	22.7	22.3	21.9	21.9	21.5	21.9	21.5
87.5°	9.7	9.3	10.3	9.7	10.3	10.6	10.1	10.3	10.8	10.2	10.2
90°	6.3	6.3	11.1	11.1	12.7	14.3	13.5	14.3	15.1	15.8	15.8
92.5°	41.7	58.2	98.4	159.8	219.5	250.9	209.0	155.3	116.9	93.0	77.2
95°	65.7	98.9	167.6	297.4	486.4	644.5	662.7	586.0	463.4	357.4	280.7
97.5°	79.4	107.3	160.3	267.3	455.2	678.8	832.6	865.9	820.2	742.9	660.4
100°	90.2	115.5	162.2	251.5	412.8	635.8	838.3	953.8	969.6	930.8	872.3
102.5°	102.2	126.2	168.4	247.1	384.4	582.1	790.8	949.4	1027.8	1039.0	1014.6
105°	122.6	145.5	183.5	249.1	359.8	518.8	704.6	885.7	1022.5	1100.8	1133.3
107.5°	143.6	166.2	201.1	260.8	355.4	483.4	635.0	795.4	941.1	1051.4	1121.9
110°	158.2	179.5	214.3	269.7	356.6	471.3	600.2	741.0	877.8	992.5	1079.5



TEST NUMBER: P332945-927

CATALOG NUMBER: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	172.1	193.5	227.0	279.2	360.4	465.6	580.7	701.2	822.1	930.5	1017.5
115°	193.8	215.1	246.8	294.2	367.7	462.6	562.3	661.2	758.4	851.0	926.9
117.5°	213.7	235.8	265.9	309.5	375.5	461.8	554.1	641.5	722.1	794.8	859.2
120°	227.0	249.1	279.2	320.3	381.2	461.8	549.6	632.6	706.2	769.5	825.6
122.5°	240.3	261.7	291.8	330.4	386.9	461.2	544.5	625.1	696.1	753.7	802.9
125°	258.6	280.7	309.2	345.6	395.5	460.3	536.2	612.1	680.1	734.7	778.2
127.5°	275.5	297.9	325.3	358.7	402.2	458.5	525.0	596.3	661.3	715.7	757.0
130°	286.3	309.2	336.1	366.9	407.3	457.9	518.0	583.7	646.1	699.9	741.8
132.5°	296.4	318.1	345.0	375.2	411.7	457.2	511.7	570.4	629.1	681.5	723.5
135°	310.8	331.4	357.4	386.0	418.4	456.3	502.2	552.0	603.4	651.6	691.2
137.5°	323.0	342.6	366.9	393.6	422.3	456.1	493.9	535.4	578.9	619.6	655.3
140°	330.6	349.6	373.3	398.5	425.5	455.5	489.6	525.9	563.1	598.7	631.8
142.5°	337.5	355.8	379.0	402.3	428.0	455.5	485.8	517.1	549.8	580.4	609.1
145°	347.2	364.6	385.2	406.5	429.4	453.9	479.3	504.5	531.5	555.2	577.3
147.5°	356.5	372.2	391.5	410.1	430.2	451.1	473.4	494.2	515.6	534.6	552.0
150°	362.2	377.2	394.7	412.0	430.2	449.2	469.0	488.0	506.1	522.0	536.2
152.5°	367.9	381.7	397.2	413.3	429.0	446.0	463.9	481.0	496.6	511.2	522.9
155°	375.7	387.5	400.9	414.4	427.1	441.3	456.3	470.6	483.2	495.0	504.5
157.5°	382.9	392.3	403.6	414.4	425.0	436.4	448.5	459.3	469.9	479.9	487.5
160°	386.7	395.5	404.9	414.4	423.1	432.6	442.9	452.3	461.1	469.8	476.1
162.5°	390.5	397.4	406.2	414.4	421.2	428.8	437.8	445.4	452.8	459.6	465.3
165°	394.7	399.3	406.5	412.8	417.6	423.1	429.4	435.8	440.5	446.0	450.0
167.5°	397.5	401.1	406.3	410.9	413.8	417.4	421.8	426.4	430.1	434.5	436.9
170°	399.3	401.7	405.7	409.6	411.2	413.6	416.8	420.7	423.1	426.3	428.6
172.5°	400.6	402.3	405.0	408.4	408.7	409.8	412.3	415.7	417.4	419.3	421.0
175°	402.5	402.5	404.1	406.5	405.7	405.7	407.3	408.8	409.6	411.2	411.2
177.5°	402.5	402.5	403.1	404.4	403.1	403.1	403.8	404.4	405.0	405.0	405.7
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332945-927

CATALOG NUMBER: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	998.1	998.9	996.5	995.8	996.5	998.9	998.1	1000.2	1000.5	1003.2	1002.2
5°	926.1	925.2	923.1	923.5	923.1	925.2	926.1	929.4	931.1	937.9	937.0
7.5°	864.4	861.1	862.0	858.6	862.0	861.1	864.4	867.4	872.5	875.6	882.7
10°	826.6	822.0	818.2	814.8	818.2	822.0	826.6	828.3	835.4	838.8	846.0
12.5°	775.1	771.1	766.0	767.0	766.0	771.1	775.1	782.4	791.6	798.8	809.9
15°	701.9	695.6	685.5	686.7	685.5	695.6	701.9	707.4	716.7	732.7	740.2
17.5°	640.0	640.1	635.4	636.5	635.4	640.1	640.0	647.5	652.2	662.4	674.0
20°	607.9	605.0	605.4	604.2	605.4	605.0	607.9	616.8	621.9	629.0	641.7
22.5°	585.7	582.1	579.2	576.6	579.2	582.1	585.7	588.1	594.9	601.7	612.0
25°	548.1	545.6	541.8	541.0	541.8	545.6	548.1	551.9	555.3	564.1	570.5
27.5°	515.1	514.6	513.1	511.1	513.1	514.6	515.1	518.5	522.8	528.5	536.5
30°	495.9	495.0	494.2	492.9	494.2	495.0	495.9	499.2	502.6	507.2	513.6
32.5°	478.7	478.2	477.4	477.4	477.4	478.2	478.7	480.4	482.4	488.4	493.4
35°	454.2	453.8	452.9	452.5	452.9	453.8	454.2	455.8	457.1	458.8	463.0
37.5°	431.3	432.4	431.8	431.7	431.8	432.4	431.3	431.7	430.3	433.3	436.3
40°	415.4	415.8	416.7	416.3	416.7	415.8	415.4	415.8	415.8	415.8	418.4
42.5°	402.3	402.3	403.5	402.1	403.5	402.3	402.3	400.7	398.6	398.9	399.8
45°	378.7	381.3	380.9	380.9	380.9	381.3	378.7	375.8	375.4	373.7	373.7
47.5°	353.1	355.2	355.8	355.8	355.8	355.2	353.1	352.0	350.1	348.3	348.2
50°	336.2	335.3	336.6	336.2	336.6	335.3	336.2	334.1	331.1	331.1	330.3
52.5°	315.7	315.8	315.8	315.3	315.8	315.8	315.7	314.6	313.3	312.0	311.4
55°	284.0	284.4	283.5	284.0	283.5	284.4	284.0	283.5	283.5	282.7	283.5
57.5°	249.6	247.6	248.4	247.4	248.4	247.6	249.6	251.4	252.2	252.3	253.6
60°	225.0	221.6	220.8	219.1	220.8	221.6	225.0	229.2	230.8	231.7	233.0
62.5°	197.3	195.0	192.1	193.5	192.1	195.0	197.3	201.9	205.6	208.5	211.4
65°	160.5	158.8	157.6	159.2	157.6	158.8	160.5	163.9	167.2	174.0	180.3
67.5°	132.8	132.0	132.0	131.1	132.0	132.0	132.8	134.6	136.7	140.4	146.3
70°	118.4	117.2	117.2	116.3	117.2	117.2	118.4	118.4	120.5	122.2	126.4
72.5°	103.5	102.3	102.7	102.1	102.7	102.3	103.5	103.9	106.0	106.7	108.5
75°	76.7	74.5	74.5	75.0	74.5	74.5	76.7	79.2	81.3	85.1	86.0
77.5°	57.2	56.8	57.4	56.6	57.4	56.8	57.2	57.2	57.7	59.4	60.8
80°	46.7	46.3	45.9	47.2	45.9	46.3	46.7	46.7	47.2	47.6	48.0
82.5°	36.3	36.2	36.1	37.8	36.1	36.2	36.3	37.0	37.1	36.8	37.2
85°	21.9	21.1	21.9	21.1	21.9	21.1	21.9	21.5	21.9	21.5	21.9
87.5°	11.1	10.9	10.4	10.8	10.4	10.9	11.1	10.2	10.2	10.8	10.3
90°	16.6	17.4	16.6	16.6	16.6	17.4	16.6	15.8	15.8	15.1	14.3
92.5°	67.9	63.6	60.9	60.9	60.9	63.6	67.9	77.2	93.0	116.9	155.3
95°	242.0	217.5	203.3	193.0	203.3	217.5	242.0	280.7	357.4	463.4	586.0
97.5°	603.6	556.0	532.3	515.8	532.3	556.0	603.6	660.4	742.9	820.2	865.9
100°	803.5	755.3	731.5	725.2	731.5	755.3	803.5	872.3	930.8	969.6	953.8
102.5°	972.4	937.5	912.5	907.4	912.5	937.5	972.4	1014.6	1039.0	1027.8	949.4
105°	1134.9	1128.5	1117.5	1112.7	1117.5	1128.5	1134.9	1133.3	1100.8	1022.5	885.7
107.5°	1160.9	1179.0	1186.9	1189.0	1186.9	1179.0	1160.9	1121.9	1051.4	941.1	795.4
110°	1135.7	1168.9	1183.1	1190.3	1183.1	1168.9	1135.7	1079.5	992.5	877.8	741.0



TEST NUMBER: P332945-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1081.2	1121.4	1141.4	1152.9	1141.4	1121.4	1081.2	1017.5	930.5	822.1	701.2
115°	989.4	1036.8	1062.1	1068.4	1062.1	1036.8	989.4	926.9	851.0	758.4	661.2
117.5°	912.5	952.4	977.9	982.9	977.9	952.4	912.5	859.2	794.8	722.1	641.5
120°	870.7	905.5	926.1	934.8	926.1	905.5	870.7	825.6	769.5	706.2	632.6
122.5°	841.0	870.7	888.1	896.8	888.1	870.7	841.0	802.9	753.7	696.1	625.1
125°	809.8	832.7	847.8	852.5	847.8	832.7	809.8	778.2	734.7	680.1	612.1
127.5°	788.8	809.2	821.8	826.6	821.8	809.2	788.8	757.0	715.7	661.3	596.3
130°	774.2	794.0	806.7	811.4	806.7	794.0	774.2	741.8	699.9	646.1	583.7
132.5°	755.3	777.5	789.6	794.3	789.6	777.5	755.3	723.5	681.5	629.1	570.4
135°	722.9	745.0	757.6	762.4	757.6	745.0	722.9	691.2	651.6	603.4	552.0
137.5°	684.8	706.7	717.2	722.9	717.2	706.7	684.8	655.3	619.6	578.9	535.4
140°	659.6	677.0	688.0	694.3	688.0	677.0	659.6	631.8	598.7	563.1	525.9
142.5°	633.6	649.7	659.6	664.0	659.6	649.7	633.6	609.1	580.4	549.8	517.1
145°	597.1	610.5	618.5	622.4	618.5	610.5	597.1	577.3	555.2	531.5	504.5
147.5°	566.6	578.1	584.2	585.5	584.2	578.1	566.6	552.0	534.6	515.6	494.2
150°	548.8	559.1	563.9	564.7	563.9	559.1	548.8	536.2	522.0	506.1	488.0
152.5°	533.7	542.0	544.9	545.7	544.9	542.0	533.7	522.9	511.2	496.6	481.0
155°	512.5	518.8	521.2	521.2	521.2	518.8	512.5	504.5	495.0	483.2	470.6
157.5°	493.5	498.2	499.6	499.6	499.6	498.2	493.5	487.5	479.9	469.9	459.3
160°	480.9	485.6	486.4	486.4	486.4	485.6	480.9	476.1	469.8	461.1	452.3
162.5°	468.8	473.6	474.4	473.7	474.4	473.6	468.8	465.3	459.6	452.8	445.4
165°	453.1	456.3	455.5	454.7	455.5	456.3	453.1	450.0	446.0	440.5	435.8
167.5°	438.5	440.5	440.4	439.7	440.4	440.5	438.5	436.9	434.5	430.1	426.4
170°	430.2	431.0	430.2	430.2	430.2	431.0	430.2	428.6	426.3	423.1	420.7
172.5°	422.0	422.8	422.0	420.7	422.0	422.8	422.0	421.0	419.3	417.4	415.7
175°	411.2	412.8	411.2	409.6	411.2	412.8	411.2	411.2	411.2	409.6	408.8
177.5°	405.0	405.7	404.4	403.1	404.4	405.7	405.0	405.7	405.0	405.0	404.4
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332945-927

CATALOG NUMBER: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1000.2	1002.6	1008.0	1014.0	1019.1	1023.4	1026.8	1031.5	1035.9	1042.0	1047.7
5°	939.5	945.4	953.9	963.9	976.6	985.0	995.5	1004.8	1018.3	1031.8	1044.9
7.5°	886.3	892.8	905.1	919.2	934.1	947.9	960.4	976.8	994.7	1014.2	1036.2
10°	851.9	859.0	873.8	889.8	907.5	921.0	937.9	957.2	977.5	1001.5	1028.4
12.5°	820.9	827.7	845.5	861.8	880.2	895.0	914.6	934.3	961.2	987.3	1018.0
15°	760.5	778.6	798.8	818.2	840.1	858.3	881.8	902.1	927.7	964.4	999.3
17.5°	693.4	712.7	737.8	767.7	797.1	819.5	843.4	868.5	899.1	936.6	976.9
20°	654.3	669.9	697.7	730.9	765.1	796.3	818.2	846.0	877.6	918.1	959.7
22.5°	625.0	638.2	660.0	693.2	730.1	766.3	794.2	821.7	856.7	897.1	942.5
25°	581.0	595.3	614.3	637.0	679.1	717.5	754.2	785.8	822.8	863.2	913.9
27.5°	544.4	556.9	574.3	597.9	626.2	668.5	713.0	749.0	787.0	830.4	881.1
30°	522.8	533.0	547.3	571.3	598.3	636.2	681.3	723.4	761.8	806.8	859.4
32.5°	500.3	511.0	525.1	544.0	573.0	604.8	649.9	696.1	736.8	782.9	834.6
35°	470.2	478.6	491.2	510.6	536.8	564.6	604.6	652.2	695.1	744.5	793.8
37.5°	439.7	449.7	459.6	476.9	498.4	528.2	561.0	609.7	657.3	702.3	750.4
40°	422.6	428.5	439.4	453.4	476.1	502.6	533.4	581.0	628.6	673.3	721.7
42.5°	403.4	410.0	419.2	433.1	453.5	479.3	509.5	550.6	600.3	643.6	687.7
45°	376.7	380.4	389.7	401.5	418.4	444.5	472.3	509.0	555.7	597.0	635.7
47.5°	349.7	353.0	358.8	369.6	388.5	409.4	435.5	468.3	509.4	550.6	583.4
50°	331.1	334.1	339.6	349.7	366.5	387.2	412.9	442.4	479.0	518.6	546.1
52.5°	312.6	314.2	319.3	330.8	345.0	365.3	388.2	415.4	449.7	482.6	510.3
55°	283.1	286.9	290.3	298.7	312.2	331.6	352.2	378.0	404.5	432.3	455.8
57.5°	252.4	256.5	261.4	268.8	279.5	297.5	316.1	336.9	359.6	382.6	402.4
60°	232.1	235.9	240.1	248.6	258.3	272.6	292.8	310.9	328.2	349.3	369.1
62.5°	212.2	216.0	220.9	227.7	237.0	250.6	267.5	283.3	301.3	319.6	334.4
65°	182.8	185.8	189.6	195.9	204.8	217.0	230.8	243.1	259.1	272.6	286.1
67.5°	150.6	156.2	161.2	166.4	173.8	185.2	195.3	206.9	217.9	227.8	240.1
70°	129.4	135.7	140.3	145.8	153.0	162.6	172.3	180.3	189.2	198.8	209.8
72.5°	111.5	116.5	120.1	125.9	132.4	141.4	150.4	157.1	164.2	170.9	181.5
75°	88.1	90.2	92.7	97.4	103.2	110.0	117.2	123.0	127.2	133.2	140.7
77.5°	63.3	67.3	69.0	72.3	76.5	80.7	85.5	90.4	94.4	96.6	102.3
80°	48.5	50.1	51.8	56.5	59.0	63.2	66.5	71.2	72.9	75.0	80.5
82.5°	37.6	38.7	39.7	41.0	42.5	46.7	50.1	53.0	54.7	55.5	59.6
85°	21.9	22.3	22.7	23.2	23.6	23.6	25.3	27.4	30.3	30.3	31.6
87.5°	10.1	10.6	10.3	9.7	10.3	9.3	9.7	9.5	10.4	10.9	11.6
90°	13.5	14.3	12.7	11.1	11.1	6.3	6.3	5.5	4.8	2.4	0.8
92.5°	209.0	250.9	219.5	159.8	98.4	58.2	41.7	30.2	20.6	13.2	9.0
95°	662.7	644.5	486.4	297.4	167.6	98.9	65.7	46.7	36.4	28.4	26.1
97.5°	832.6	678.8	455.2	267.3	160.3	107.3	79.4	63.1	53.6	46.8	46.8
100°	838.3	635.8	412.8	251.5	162.2	115.5	90.2	75.1	65.7	60.1	60.1
102.5°	790.8	582.1	384.4	247.1	168.4	126.2	102.2	87.8	78.9	74.0	72.7
105°	704.6	518.8	359.8	249.1	183.5	145.5	122.6	108.4	98.9	94.9	92.5
107.5°	635.0	483.4	355.4	260.8	201.1	166.2	143.6	130.0	119.9	116.0	114.4
110°	600.2	471.3	356.6	269.7	214.3	179.5	158.2	143.9	134.4	130.5	128.9



TEST NUMBER: P332945-927

CATALOG NUMBER: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	580.7	465.6	360.4	279.2	227.0	193.5	172.1	157.9	149.0	144.4	142.8
115°	562.3	462.6	367.7	294.2	246.8	215.1	193.8	178.7	170.8	165.2	163.0
117.5°	554.1	461.8	375.5	309.5	265.9	235.8	213.7	199.6	190.9	186.0	183.8
120°	549.6	461.8	381.2	320.3	279.2	249.1	227.0	213.5	204.9	199.3	197.7
122.5°	544.5	461.2	386.9	330.4	291.8	261.7	240.3	225.5	217.5	211.9	210.4
125°	536.2	460.3	395.5	345.6	309.2	280.7	258.6	243.6	234.9	230.1	227.0
127.5°	525.0	458.5	402.2	358.7	325.3	297.9	275.5	259.8	249.9	244.2	241.7
130°	518.0	457.9	407.3	366.9	336.1	309.2	286.3	271.2	259.4	253.1	249.9
132.5°	511.7	457.2	411.7	375.2	345.0	318.1	296.4	280.1	268.9	260.6	258.1
135°	502.2	456.3	418.4	386.0	357.4	331.4	310.8	294.2	280.7	272.8	269.7
137.5°	493.9	456.1	422.3	393.6	366.9	342.6	323.0	305.7	292.9	284.2	281.2
140°	489.6	455.5	425.5	398.5	373.3	349.6	330.6	313.9	300.6	291.8	289.5
142.5°	485.8	455.5	428.0	402.3	379.0	355.8	337.5	321.5	308.7	300.7	298.3
145°	479.3	453.9	429.4	406.5	385.2	364.6	347.2	332.2	321.1	313.1	310.8
147.5°	473.4	451.1	430.2	410.1	391.5	372.2	356.5	344.0	332.6	325.7	324.9
150°	469.0	449.2	430.2	412.0	394.7	377.2	362.2	350.4	340.9	334.5	333.7
152.5°	463.9	446.0	429.0	413.3	397.2	381.7	367.9	357.3	348.5	342.1	342.0
155°	456.3	441.3	427.1	414.4	400.9	387.5	375.7	366.9	359.0	354.3	353.5
157.5°	448.5	436.4	425.0	414.4	403.6	392.3	382.9	375.3	369.2	364.7	364.7
160°	442.9	432.6	423.1	414.4	404.9	395.5	386.7	380.4	374.9	371.7	371.7
162.5°	437.8	428.8	421.2	414.4	406.2	397.4	390.5	384.8	379.9	377.4	378.0
165°	429.4	423.1	417.6	412.8	406.5	399.3	394.7	390.7	386.7	385.2	385.2
167.5°	421.8	417.4	413.8	410.9	406.3	401.1	397.5	395.3	392.3	391.5	392.3
170°	416.8	413.6	411.2	409.6	405.7	401.7	399.3	397.8	395.5	394.7	395.5
172.5°	412.3	409.8	408.7	408.4	405.0	402.3	400.6	399.7	397.9	397.8	398.5
175°	407.3	405.7	405.7	406.5	404.1	402.5	402.5	401.7	400.9	400.9	401.7
177.5°	403.8	403.1	403.1	404.4	403.1	402.5	402.5	402.5	401.9	402.5	403.1
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332945-927

CATALOG NUMBER: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1052.1	1055.1	1058.5	1064.9	1070.3	1072.7	1077.4	1080.8	1079.7	1084.4	1092.6
5°	1056.2	1067.6	1080.7	1094.2	1109.3	1122.0	1132.0	1142.2	1150.2	1159.8	1174.2
7.5°	1055.6	1075.8	1097.8	1122.0	1146.8	1168.3	1188.2	1208.4	1226.4	1246.0	1271.7
10°	1052.9	1079.8	1107.2	1138.8	1170.4	1200.3	1227.2	1252.6	1276.6	1302.3	1334.7
12.5°	1049.8	1080.9	1114.0	1151.9	1191.3	1227.2	1258.9	1295.4	1325.5	1358.6	1396.1
15°	1036.4	1078.2	1123.2	1172.5	1219.7	1268.1	1311.5	1356.2	1397.9	1437.5	1484.7
17.5°	1021.1	1069.2	1122.4	1180.6	1237.3	1296.2	1347.7	1404.0	1446.6	1499.8	1543.6
20°	1008.6	1060.4	1117.3	1182.6	1247.1	1312.4	1369.3	1426.6	1474.6	1528.1	1583.7
22.5°	993.5	1050.4	1111.9	1179.6	1247.1	1318.4	1381.4	1438.4	1497.9	1558.1	1615.4
25°	969.0	1028.0	1093.3	1167.4	1245.0	1317.9	1385.3	1456.0	1520.1	1585.4	1636.8
27.5°	939.1	1000.9	1069.8	1146.3	1225.8	1300.5	1379.9	1455.3	1519.7	1582.6	1627.5
30°	915.0	980.4	1046.6	1124.0	1206.7	1286.7	1371.8	1447.2	1515.0	1571.5	1596.8
32.5°	890.5	952.4	1020.6	1099.2	1183.7	1269.9	1354.2	1431.4	1494.1	1528.0	1528.7
35°	847.7	905.8	976.6	1053.7	1140.5	1234.1	1319.5	1395.3	1433.7	1436.7	1395.3
37.5°	801.0	854.4	921.1	998.3	1093.4	1186.5	1273.8	1324.4	1337.1	1294.3	1217.9
40°	767.6	816.9	881.4	960.6	1054.9	1151.0	1230.7	1267.7	1254.3	1184.7	1099.6
42.5°	732.6	778.5	840.6	918.8	1013.5	1110.6	1178.4	1198.3	1162.6	1082.3	982.7
45°	675.3	717.5	779.0	857.8	948.8	1039.8	1091.2	1081.1	1021.7	926.5	814.8
47.5°	615.8	656.5	711.9	784.7	877.9	956.5	991.3	960.8	876.2	771.5	680.6
50°	576.4	618.1	669.1	738.6	823.6	899.5	921.9	875.5	781.6	680.8	597.4
52.5°	537.6	573.2	623.2	690.4	771.7	835.8	847.7	794.2	697.3	607.0	533.1
55°	478.6	511.0	553.2	616.4	686.7	741.1	734.7	666.1	578.1	501.0	442.8
57.5°	421.6	446.0	484.9	544.2	605.9	642.4	619.3	560.8	478.7	415.6	366.5
60°	383.8	406.5	442.8	494.6	549.0	569.6	550.2	486.6	421.8	364.0	322.7
62.5°	348.1	368.1	399.3	447.4	491.3	503.6	482.8	427.3	368.8	319.5	285.3
65°	296.2	314.7	341.3	375.4	405.8	411.6	398.2	341.3	297.0	255.7	232.1
67.5°	249.1	261.2	281.9	311.4	327.6	331.0	304.9	269.2	230.2	204.9	187.0
70°	217.4	225.9	245.2	261.2	274.3	274.7	250.6	222.0	192.1	171.5	158.4
72.5°	186.7	194.8	209.5	220.5	230.4	227.2	205.2	182.6	158.4	142.8	133.2
75°	144.1	151.2	158.8	163.9	163.9	159.7	143.7	126.8	112.9	103.6	100.7
77.5°	104.7	110.7	113.2	112.4	110.9	104.3	94.2	83.2	78.2	73.8	71.6
80°	82.1	84.7	85.6	83.4	80.9	73.3	66.5	61.9	57.3	55.6	54.7
82.5°	60.9	63.1	60.9	61.5	55.9	49.7	46.0	44.4	42.5	41.8	41.0
85°	32.5	32.0	31.2	29.1	25.3	24.4	24.0	23.6	22.7	23.2	22.3
87.5°	11.6	11.1	9.9	9.7	9.7	10.0	10.3	10.6	10.9	10.5	11.2
90°	2.4	4.8	5.5	6.3	6.3	11.1	11.1	12.7	14.3	13.5	14.3
92.5°	13.2	20.6	30.2	41.7	58.2	98.4	159.8	219.5	250.9	209.0	155.3
95°	28.4	36.4	46.7	65.7	98.9	167.6	297.4	486.4	644.5	662.7	586.0
97.5°	46.8	53.6	63.1	79.4	107.3	160.3	267.3	455.2	678.8	832.6	865.9
100°	60.1	65.7	75.1	90.2	115.5	162.2	251.5	412.8	635.8	838.3	953.8
102.5°	74.0	78.9	87.8	102.2	126.2	168.4	247.1	384.4	582.1	790.8	949.4
105°	94.9	98.9	108.4	122.6	145.5	183.5	249.1	359.8	518.8	704.6	885.7
107.5°	116.0	119.9	130.0	143.6	166.2	201.1	260.8	355.4	483.4	635.0	795.4
110°	130.5	134.4	143.9	158.2	179.5	214.3	269.7	356.6	471.3	600.2	741.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	149.0	157.9	172.1	193.5	227.0	279.2	360.4	465.6	580.7	701.2
115°	165.2	170.8	178.7	193.8	215.1	246.8	294.2	367.7	462.6	562.3	661.2
117.5°	186.0	190.9	199.6	213.7	235.8	265.9	309.5	375.5	461.8	554.1	641.5
120°	199.3	204.9	213.5	227.0	249.1	279.2	320.3	381.2	461.8	549.6	632.6
122.5°	211.9	217.5	225.5	240.3	261.7	291.8	330.4	386.9	461.2	544.5	625.1
125°	230.1	234.9	243.6	258.6	280.7	309.2	345.6	395.5	460.3	536.2	612.1
127.5°	244.2	249.9	259.8	275.5	297.9	325.3	358.7	402.2	458.5	525.0	596.3
130°	253.1	259.4	271.2	286.3	309.2	336.1	366.9	407.3	457.9	518.0	583.7
132.5°	260.6	268.9	280.1	296.4	318.1	345.0	375.2	411.7	457.2	511.7	570.4
135°	272.8	280.7	294.2	310.8	331.4	357.4	386.0	418.4	456.3	502.2	552.0
137.5°	284.2	292.9	305.7	323.0	342.6	366.9	393.6	422.3	456.1	493.9	535.4
140°	291.8	300.6	313.9	330.6	349.6	373.3	398.5	425.5	455.5	489.6	525.9
142.5°	300.7	308.7	321.5	337.5	355.8	379.0	402.3	428.0	455.5	485.8	517.1
145°	313.1	321.1	332.2	347.2	364.6	385.2	406.5	429.4	453.9	479.3	504.5
147.5°	325.7	332.6	344.0	356.5	372.2	391.5	410.1	430.2	451.1	473.4	494.2
150°	334.5	340.9	350.4	362.2	377.2	394.7	412.0	430.2	449.2	469.0	488.0
152.5°	342.1	348.5	357.3	367.9	381.7	397.2	413.3	429.0	446.0	463.9	481.0
155°	354.3	359.0	366.9	375.7	387.5	400.9	414.4	427.1	441.3	456.3	470.6
157.5°	364.7	369.2	375.3	382.9	392.3	403.6	414.4	425.0	436.4	448.5	459.3
160°	371.7	374.9	380.4	386.7	395.5	404.9	414.4	423.1	432.6	442.9	452.3
162.5°	377.4	379.9	384.8	390.5	397.4	406.2	414.4	421.2	428.8	437.8	445.4
165°	385.2	386.7	390.7	394.7	399.3	406.5	412.8	417.6	423.1	429.4	435.8
167.5°	391.5	392.3	395.3	397.5	401.1	406.3	410.9	413.8	417.4	421.8	426.4
170°	394.7	395.5	397.8	399.3	401.7	405.7	409.6	411.2	413.6	416.8	420.7
172.5°	397.8	397.9	399.7	400.6	402.3	405.0	408.4	408.7	409.8	412.3	415.7
175°	400.9	400.9	401.7	402.5	402.5	404.1	406.5	405.7	405.7	407.3	408.8
177.5°	402.5	401.9	402.5	402.5	402.5	403.1	404.4	403.1	403.1	403.8	404.4
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1096.9	1098.3	1099.3	1102.6	1103.0	1106.0	1103.0
5°	1187.6	1193.6	1202.8	1212.1	1213.0	1218.9	1208.3
7.5°	1289.4	1303.1	1311.6	1326.6	1332.5	1336.3	1330.2
10°	1359.5	1372.2	1394.6	1405.5	1416.4	1418.2	1413.1
12.5°	1427.4	1447.4	1465.0	1485.7	1485.2	1500.1	1494.6
15°	1517.6	1538.2	1562.7	1585.8	1594.3	1594.3	1601.0
17.5°	1581.9	1619.8	1645.0	1663.3	1683.1	1686.6	1684.3
20°	1625.4	1666.3	1693.3	1716.8	1730.4	1734.1	1734.1
22.5°	1657.8	1692.6	1718.9	1740.1	1751.2	1755.7	1754.4
25°	1680.2	1710.1	1726.1	1732.4	1735.4	1734.6	1726.6
27.5°	1649.5	1648.1	1638.1	1618.7	1604.1	1595.2	1585.2
30°	1590.9	1569.0	1543.7	1515.8	1480.0	1452.7	1444.2
32.5°	1503.6	1454.4	1411.6	1365.2	1326.7	1299.3	1287.9
35°	1334.7	1256.8	1193.2	1137.6	1097.1	1071.8	1063.4
37.5°	1134.3	1058.9	980.2	926.2	892.7	867.1	857.6
40°	1006.9	924.8	856.1	805.6	771.0	746.2	745.8
42.5°	890.7	812.2	747.6	711.1	673.9	657.5	657.4
45°	729.3	666.5	611.7	583.1	560.8	547.3	543.5
47.5°	603.8	551.9	515.4	492.6	474.4	465.8	460.3
50°	533.4	487.9	458.8	439.0	428.9	418.0	417.1
52.5°	474.8	438.0	415.3	399.3	386.4	379.9	380.0
55°	398.9	369.9	353.9	341.7	331.6	326.5	324.4
57.5°	336.1	314.3	302.7	291.4	287.2	283.2	282.1
60°	297.0	282.3	271.3	262.4	256.2	254.9	254.4
62.5°	264.7	249.2	241.7	234.8	230.2	228.2	227.5
65°	218.2	206.8	200.1	194.6	193.0	190.0	189.6
67.5°	175.9	169.1	164.6	160.9	158.6	158.4	158.4
70°	150.0	146.2	142.4	140.3	139.0	138.2	138.2
72.5°	127.8	124.9	121.8	120.7	120.5	119.6	119.3
75°	97.4	94.3	94.8	92.7	91.0	88.9	87.6
77.5°	69.0	66.9	66.5	66.2	64.8	64.6	65.2
80°	53.5	51.4	51.0	51.4	51.0	49.7	49.7
82.5°	40.7	38.9	38.5	38.3	37.9	38.3	37.5
85°	21.9	21.1	21.1	21.1	21.9	21.5	21.1
87.5°	10.8	10.6	10.9	10.8	10.9	10.4	10.8
90°	15.1	15.8	15.8	16.6	17.4	16.6	16.6
92.5°	116.9	93.0	77.2	67.9	63.6	60.9	60.9
95°	463.4	357.4	280.7	242.0	217.5	203.3	193.0
97.5°	820.2	742.9	660.4	603.6	556.0	532.3	515.8
100°	969.6	930.8	872.3	803.5	755.3	731.5	725.2
102.5°	1027.8	1039.0	1014.6	972.4	937.5	912.5	907.4
105°	1022.5	1100.8	1133.3	1134.9	1128.5	1117.5	1112.7
107.5°	941.1	1051.4	1121.9	1160.9	1179.0	1186.9	1189.0
110°	877.8	992.5	1079.5	1135.7	1168.9	1183.1	1190.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	822.1	930.5	1017.5	1081.2	1121.4	1141.4	1152.9
115°	758.4	851.0	926.9	989.4	1036.8	1062.1	1068.4
117.5°	722.1	794.8	859.2	912.5	952.4	977.9	982.9
120°	706.2	769.5	825.6	870.7	905.5	926.1	934.8
122.5°	696.1	753.7	802.9	841.0	870.7	888.1	896.8
125°	680.1	734.7	778.2	809.8	832.7	847.8	852.5
127.5°	661.3	715.7	757.0	788.8	809.2	821.8	826.6
130°	646.1	699.9	741.8	774.2	794.0	806.7	811.4
132.5°	629.1	681.5	723.5	755.3	777.5	789.6	794.3
135°	603.4	651.6	691.2	722.9	745.0	757.6	762.4
137.5°	578.9	619.6	655.3	684.8	706.7	717.2	722.9
140°	563.1	598.7	631.8	659.6	677.0	688.0	694.3
142.5°	549.8	580.4	609.1	633.6	649.7	659.6	664.0
145°	531.5	555.2	577.3	597.1	610.5	618.5	622.4
147.5°	515.6	534.6	552.0	566.6	578.1	584.2	585.5
150°	506.1	522.0	536.2	548.8	559.1	563.9	564.7
152.5°	496.6	511.2	522.9	533.7	542.0	544.9	545.7
155°	483.2	495.0	504.5	512.5	518.8	521.2	521.2
157.5°	469.9	479.9	487.5	493.5	498.2	499.6	499.6
160°	461.1	469.8	476.1	480.9	485.6	486.4	486.4
162.5°	452.8	459.6	465.3	468.8	473.6	474.4	473.7
165°	440.5	446.0	450.0	453.1	456.3	455.5	454.7
167.5°	430.1	434.5	436.9	438.5	440.5	440.4	439.7
170°	423.1	426.3	428.6	430.2	431.0	430.2	430.2
172.5°	417.4	419.3	421.0	422.0	422.8	422.0	420.7
175°	409.6	411.2	411.2	411.2	412.8	411.2	409.6
177.5°	405.0	405.0	405.7	405.0	405.7	404.4	403.1
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5

(END OF REPORT)