

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: P332945-935

Luminaire Tested: **SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332945-935
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-C795D1035U935-4F0-1E-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: 6057.3 lumens
Efficiency: N/A
Efficacy: 116.5 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

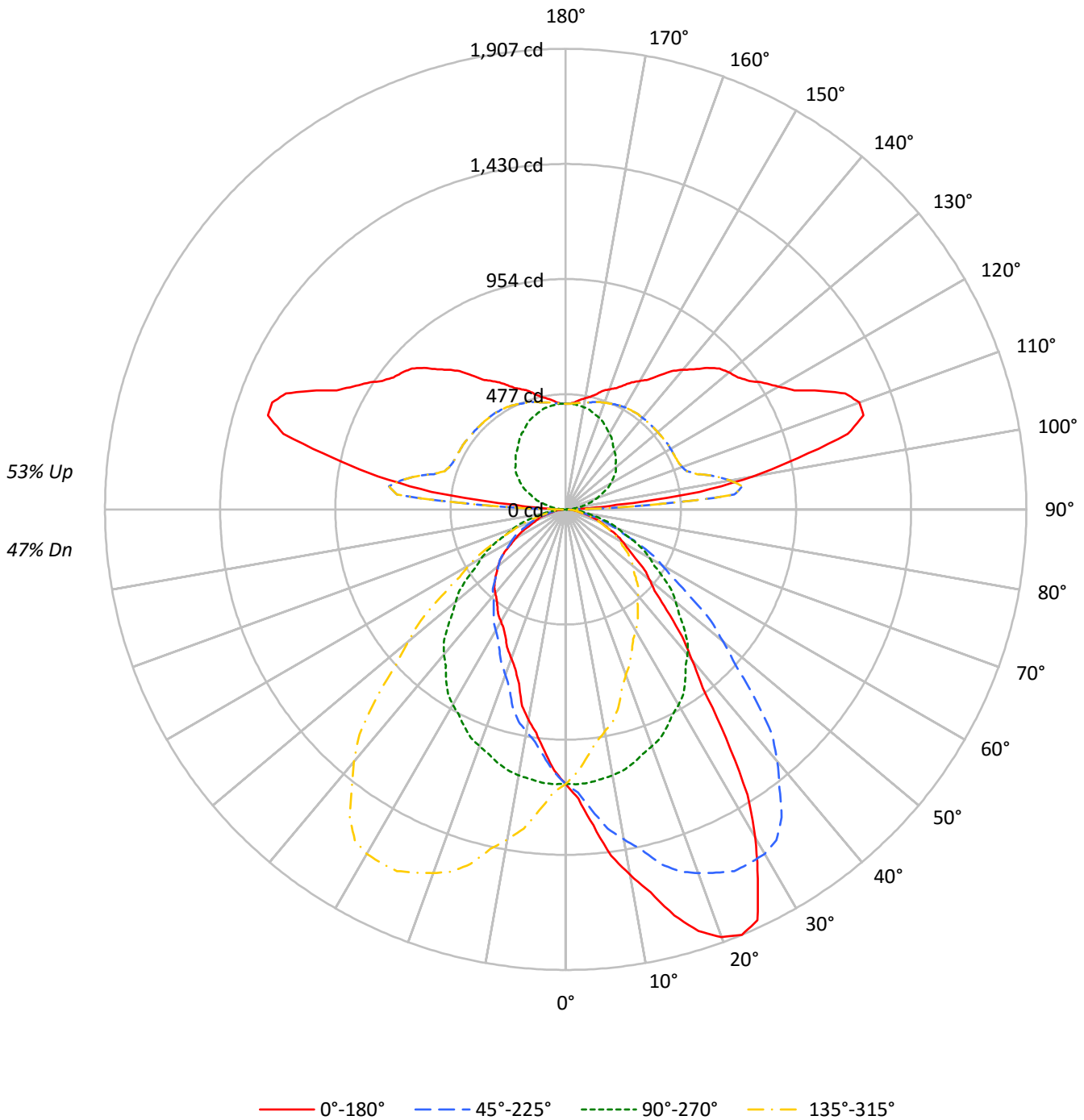
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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	1.8
10°-20°	332.2	5.5
20°-30°	519.5	8.6
30°-40°	577.6	9.5
40°-50°	512.4	8.5
50°-60°	399.3	6.6
60°-70°	261.4	4.3
70°-80°	128.6	2.1
80°-90°	34.1	0.6
90°-100°	316.0	5.2
100°-110°	657.7	10.9
110°-120°	589.1	9.7
120°-130°	495.5	8.2
130°-140°	413.2	6.8
140°-150°	315.7	5.2
150°-160°	221.9	3.7
160°-170°	130.5	2.2
170°-180°	42.5	0.7
0°-30°	961.8	15.9
0°-40°	1539.4	25.4
0°-60°	2451.2	40.5
0°-90°	2875.3	47.5
90°-120°	1562.8	25.8
90°-150°	2787.1	46.0
90°-180°	3182.0	52.5
0°-180°	6057.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1136	1136	1136	1136	1136	
5°	1313	1136	1004	1136	1313	133
15°	1740	1086	746	1086	1740	495
25°	1876	993	588	993	1876	832
35°	1156	863	492	863	1156	724
45°	591	691	414	691	591	468
55°	353	495	309	495	353	321
65°	206	311	173	311	206	207
75°	95	153	82	153	95	105
85°	23	34	23	34	23	26
90°	18	1	18	1	18	16
95°	210	28	210	28	210	325
105°	1209	101	1209	101	1209	1196
115°	1161	177	1161	177	1161	1153
125°	927	247	927	247	927	842
135°	829	293	829	293	829	640
145°	676	338	676	338	676	429
155°	566	384	566	384	566	264
165°	494	419	494	419	494	142
175°	445	437	445	437	445	43
180°	438	438	438	438	438	



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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°	11.7	11.3	11.9	11.7	11.9	11.5	11.7	12.2	11.4	11.9	11.5
90°	18.1	18.1	18.9	18.1	17.2	17.2	16.4	15.5	14.6	15.5	13.8
92.5°	66.2	66.2	69.1	73.8	83.9	101.1	127.1	168.8	227.1	272.7	238.6
95°	209.7	220.9	236.3	263.0	305.1	388.5	503.7	636.9	720.3	700.5	528.7
97.5°	560.6	578.5	604.2	656.0	717.7	807.4	891.5	941.1	904.9	737.8	494.7
100°	788.2	795.0	820.9	873.3	948.0	1011.7	1053.8	1036.6	911.1	691.0	448.7
102.5°	986.3	991.8	1018.9	1056.9	1102.8	1129.3	1117.1	1031.8	859.5	632.7	417.8
105°	1209.4	1214.5	1226.6	1233.5	1231.7	1196.4	1111.4	962.7	765.9	563.9	391.1
107.5°	1292.3	1290.0	1281.4	1261.8	1219.3	1142.7	1022.9	864.5	690.2	525.4	386.2
110°	1293.7	1285.9	1270.4	1234.3	1173.3	1078.7	954.1	805.4	652.4	512.3	387.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1253.0	1240.5	1218.8	1175.2	1105.9	1011.3	893.5	762.1	631.1	506.1	391.8
115°	1161.2	1154.3	1126.9	1075.3	1007.4	924.9	824.3	718.6	611.1	502.8	399.7
117.5°	1068.2	1062.9	1035.1	991.8	933.8	863.8	784.8	697.2	602.2	502.0	408.1
120°	1016.0	1006.5	984.2	946.3	897.3	836.4	767.6	687.6	597.4	502.0	414.3
122.5°	974.7	965.3	946.3	914.0	872.6	819.2	756.6	679.4	591.9	501.3	420.5
125°	926.6	921.4	905.1	880.2	845.8	798.5	739.2	665.3	582.8	500.2	429.8
127.5°	898.4	893.2	879.5	857.3	822.8	777.9	718.8	648.1	570.6	498.3	437.1
130°	881.9	876.8	863.0	841.5	806.2	760.7	702.2	634.4	563.0	497.7	442.6
132.5°	863.3	858.2	845.1	820.9	786.4	740.7	683.7	619.9	556.1	497.0	447.5
135°	828.6	823.5	809.7	785.7	751.2	708.3	655.8	599.9	545.8	495.9	454.7
137.5°	785.7	779.5	768.1	744.3	712.2	673.4	629.2	581.9	536.8	495.8	459.0
140°	754.7	747.8	735.8	716.9	686.7	650.7	612.0	571.6	532.1	495.1	462.4
142.5°	721.7	716.9	706.2	688.6	662.0	630.8	597.5	562.0	528.0	495.1	465.2
145°	676.5	672.2	663.6	648.9	627.5	603.4	577.6	548.4	520.9	493.4	466.7
147.5°	636.4	634.9	628.4	615.8	599.9	581.1	560.4	537.2	514.5	490.3	467.6
150°	613.7	612.9	607.7	596.5	582.8	567.3	550.1	530.4	509.7	488.2	467.6
152.5°	593.1	592.2	589.1	580.1	568.3	555.6	539.8	522.8	504.2	484.7	466.2
155°	566.5	566.5	563.9	557.0	548.4	538.0	525.2	511.4	495.9	479.7	464.2
157.5°	543.0	543.0	541.5	536.3	529.9	521.6	510.7	499.2	487.5	474.3	461.9
160°	528.7	528.7	527.8	522.6	517.5	510.6	501.1	491.6	481.4	470.2	459.9
162.5°	514.9	515.6	514.7	509.5	505.8	499.6	492.1	484.1	475.9	466.1	457.8
165°	494.2	495.1	495.9	492.5	489.0	484.7	478.8	473.6	466.7	459.9	453.8
167.5°	477.9	478.6	478.8	476.6	474.8	472.3	467.4	463.5	458.5	453.7	449.7
170°	467.6	467.6	468.5	467.6	465.9	463.3	459.9	457.3	453.0	449.5	446.9
172.5°	457.3	458.7	459.5	458.7	457.6	455.7	453.7	451.8	448.2	445.4	444.2
175°	445.2	446.9	448.7	446.9	446.9	446.9	445.2	444.4	442.6	440.9	440.9
177.5°	438.2	439.5	440.9	440.2	440.9	440.2	440.2	439.5	438.9	438.2	438.2
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



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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°	11.2	10.8	10.5	10.5	10.8	12.1	12.6	12.7	11.9	11.3	10.3
90°	12.1	12.1	6.9	6.9	6.0	5.2	2.6	0.9	2.6	5.2	6.0
92.5°	173.7	106.9	63.3	45.4	32.8	22.4	14.3	9.8	14.3	22.4	32.8
95°	323.2	182.2	107.5	71.4	50.7	39.5	30.9	28.3	30.9	39.5	50.7
97.5°	290.5	174.2	116.6	86.3	68.6	58.3	50.9	50.9	50.9	58.3	68.6
100°	273.4	176.2	125.5	98.0	81.6	71.4	65.3	65.3	65.3	71.4	81.6
102.5°	268.5	183.0	137.2	111.1	95.4	85.8	80.4	79.0	80.4	85.8	95.4
105°	270.8	199.4	158.2	133.2	117.8	107.5	103.1	100.6	103.1	107.5	117.8
107.5°	283.4	218.5	180.6	156.1	141.3	130.3	126.1	124.3	126.1	130.3	141.3
110°	293.1	232.9	195.1	171.9	156.4	146.1	141.8	140.1	141.8	146.1	156.4



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	303.4	246.7	210.3	187.0	171.6	162.0	157.0	155.2	157.0	162.0	171.6
115°	319.8	268.2	233.8	210.6	194.2	185.6	179.6	177.1	179.6	185.6	194.2
117.5°	336.4	289.0	256.3	232.2	217.0	207.5	202.2	199.8	202.2	207.5	217.0
120°	348.1	303.4	270.8	246.7	232.0	222.7	216.6	214.9	216.6	222.7	232.0
122.5°	359.1	317.2	284.5	261.1	245.1	236.3	230.3	228.7	230.3	236.3	245.1
125°	375.7	336.0	305.1	281.0	264.8	255.3	250.1	246.7	250.1	255.3	264.8
127.5°	389.9	353.6	323.7	299.5	282.4	271.6	265.4	262.7	265.4	271.6	282.4
130°	398.8	365.3	336.0	311.2	294.8	281.9	275.1	271.6	275.1	281.9	294.8
132.5°	407.8	375.0	345.7	322.2	304.4	292.2	283.3	280.5	283.3	292.2	304.4
135°	419.5	388.5	360.2	337.8	319.8	305.1	296.5	293.1	296.5	305.1	319.8
137.5°	427.7	398.8	372.4	351.0	332.3	318.4	308.9	305.7	308.9	318.4	332.3
140°	433.2	405.7	380.0	359.3	341.2	326.7	317.2	314.6	317.2	326.7	341.2
142.5°	437.3	411.9	386.8	366.9	349.5	335.5	326.8	324.3	326.8	335.5	349.5
145°	441.8	418.6	396.2	377.4	361.0	349.0	340.4	337.8	340.4	349.0	361.0
147.5°	445.7	425.5	404.5	387.4	373.9	361.5	354.0	353.1	354.0	361.5	373.9
150°	447.8	429.0	410.0	393.6	380.8	370.5	363.6	362.7	363.6	370.5	380.8
152.5°	449.2	431.7	414.8	399.8	388.3	378.8	371.9	371.7	371.9	378.8	388.3
155°	450.4	435.8	421.2	408.3	398.8	390.2	385.0	384.2	385.0	390.2	398.8
157.5°	450.4	438.7	426.4	416.2	407.9	401.2	396.4	396.4	396.4	401.2	407.9
160°	450.4	440.1	429.8	420.3	413.5	407.4	404.0	404.0	404.0	407.4	413.5
162.5°	450.4	441.4	431.9	424.5	418.3	412.9	410.2	410.9	410.2	412.9	418.3
165°	448.7	441.8	434.0	429.0	424.6	420.3	418.6	418.6	418.6	420.3	424.6
167.5°	446.6	441.6	435.9	432.0	429.6	426.4	425.5	426.4	425.5	426.4	429.6
170°	445.2	440.9	436.6	434.0	432.4	429.8	429.0	429.8	429.0	429.8	432.4
172.5°	443.8	440.2	437.3	435.4	434.4	432.5	432.4	433.2	432.4	432.5	434.4
175°	441.8	439.2	437.5	437.5	436.6	435.8	435.8	436.6	435.8	435.8	436.6
177.5°	439.5	438.2	437.5	437.5	437.5	436.8	437.5	438.2	437.5	436.8	437.5
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1116.0	1112.3	1107.6	1102.1	1095.5	1089.7	1087.1	1089.3	1090.4	1087.4	1087.1
5°	1082.0	1070.6	1061.4	1047.7	1036.7	1027.5	1021.1	1018.4	1019.3	1012.0	1010.1
7.5°	1043.9	1030.3	1015.3	999.0	983.8	970.3	963.3	959.4	951.7	948.3	942.7
10°	1019.3	1001.0	986.4	967.1	949.7	933.7	925.9	919.5	911.7	908.0	900.3
12.5°	994.0	972.8	956.7	936.7	918.9	899.6	892.2	880.3	868.1	860.4	850.4
15°	958.4	932.8	913.1	889.2	868.2	846.2	826.6	804.5	796.3	778.9	768.9
17.5°	916.7	890.7	866.3	834.4	801.9	774.6	753.6	732.5	720.0	708.9	703.7
20°	889.2	865.5	831.6	794.4	758.3	728.1	711.1	697.4	683.6	675.9	670.4
22.5°	863.2	832.8	793.5	753.5	717.3	693.6	679.2	665.1	654.0	646.6	639.2
25°	819.7	779.8	738.1	692.3	667.6	647.0	631.5	620.0	613.1	603.6	599.9
27.5°	774.9	726.6	680.6	649.9	624.1	605.3	591.7	583.1	574.4	568.3	563.5
30°	740.5	691.5	650.2	621.0	594.9	579.3	568.3	558.2	551.3	546.3	542.6
32.5°	706.4	657.4	622.8	591.2	570.7	555.4	543.7	536.2	530.8	524.3	522.1
35°	657.1	613.6	583.4	555.0	533.9	520.2	511.0	503.3	498.7	496.8	495.4
37.5°	609.8	574.1	541.7	518.3	499.6	488.8	477.9	474.2	471.0	467.7	469.2
40°	579.7	546.3	517.5	492.8	477.6	465.7	459.3	454.7	451.9	451.9	451.9
42.5°	553.7	521.0	492.9	470.7	455.6	445.6	438.4	434.5	433.6	433.3	435.5
45°	513.3	483.1	454.7	436.4	423.5	413.5	409.4	406.1	406.1	408.0	408.5
47.5°	473.3	445.0	422.2	401.7	389.9	383.7	380.0	378.4	378.6	380.5	382.5
50°	448.8	420.9	398.4	380.0	369.1	363.1	359.9	359.0	359.9	359.9	363.1
52.5°	422.0	397.0	375.0	359.6	347.1	341.5	339.8	338.5	339.1	340.5	341.9
55°	382.8	360.4	339.3	324.7	315.5	311.9	307.7	308.2	307.3	308.2	308.2
57.5°	343.5	323.4	303.8	292.1	284.1	278.8	274.3	275.6	274.2	274.1	273.3
60°	318.2	296.3	280.7	270.2	261.0	256.4	252.3	253.2	251.8	250.9	249.1
62.5°	290.8	272.4	257.6	247.5	240.1	234.8	230.7	229.8	226.6	223.4	219.5
65°	250.9	235.8	222.6	212.9	206.0	201.9	198.7	196.0	189.1	181.8	178.1
67.5°	212.2	201.3	188.9	180.8	175.2	169.8	163.7	159.0	152.6	148.5	146.3
70°	187.3	176.8	166.3	158.4	152.5	147.5	140.6	137.4	132.8	131.0	128.6
72.5°	163.5	153.7	143.9	136.8	130.5	126.6	121.1	118.0	116.0	115.2	113.0
75°	127.3	119.5	112.2	105.8	100.7	98.0	95.7	93.4	92.5	88.3	86.1
77.5°	92.9	87.7	83.2	78.6	75.0	73.2	68.8	66.1	64.6	62.7	62.2
80°	72.3	68.7	64.1	61.4	56.3	54.5	52.7	52.2	51.7	51.3	50.8
82.5°	54.4	50.7	46.1	44.5	43.1	42.0	40.9	40.5	40.0	40.3	40.2
85°	27.5	25.7	25.7	25.2	24.7	24.3	23.8	23.8	23.3	23.8	23.3
87.5°	10.5	10.2	11.2	10.5	11.2	11.5	11.0	11.2	11.7	11.1	11.1
90°	6.9	6.9	12.1	12.1	13.8	15.5	14.6	15.5	16.4	17.2	17.2
92.5°	45.4	63.3	106.9	173.7	238.6	272.7	227.1	168.8	127.1	101.1	83.9
95°	71.4	107.5	182.2	323.2	528.7	700.5	720.3	636.9	503.7	388.5	305.1
97.5°	86.3	116.6	174.2	290.5	494.7	737.8	904.9	941.1	891.5	807.4	717.7
100°	98.0	125.5	176.2	273.4	448.7	691.0	911.1	1036.6	1053.8	1011.7	948.0
102.5°	111.1	137.2	183.0	268.5	417.8	632.7	859.5	1031.8	1117.1	1129.3	1102.8
105°	133.2	158.2	199.4	270.8	391.1	563.9	765.9	962.7	1111.4	1196.4	1231.7
107.5°	156.1	180.6	218.5	283.4	386.2	525.4	690.2	864.5	1022.9	1142.7	1219.3
110°	171.9	195.1	232.9	293.1	387.6	512.3	652.4	805.4	954.1	1078.7	1173.3



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	187.0	210.3	246.7	303.4	391.8	506.1	631.1	762.1	893.5	1011.3	1105.9
115°	210.6	233.8	268.2	319.8	399.7	502.8	611.1	718.6	824.3	924.9	1007.4
117.5°	232.2	256.3	289.0	336.4	408.1	502.0	602.2	697.2	784.8	863.8	933.8
120°	246.7	270.8	303.4	348.1	414.3	502.0	597.4	687.6	767.6	836.4	897.3
122.5°	261.1	284.5	317.2	359.1	420.5	501.3	591.9	679.4	756.6	819.2	872.6
125°	281.0	305.1	336.0	375.7	429.8	500.2	582.8	665.3	739.2	798.5	845.8
127.5°	299.5	323.7	353.6	389.9	437.1	498.3	570.6	648.1	718.8	777.9	822.8
130°	311.2	336.0	365.3	398.8	442.6	497.7	563.0	634.4	702.2	760.7	806.2
132.5°	322.2	345.7	375.0	407.8	447.5	497.0	556.1	619.9	683.7	740.7	786.4
135°	337.8	360.2	388.5	419.5	454.7	495.9	545.8	599.9	655.8	708.3	751.2
137.5°	351.0	372.4	398.8	427.7	459.0	495.8	536.8	581.9	629.2	673.4	712.2
140°	359.3	380.0	405.7	433.2	462.4	495.1	532.1	571.6	612.0	650.7	686.7
142.5°	366.9	386.8	411.9	437.3	465.2	495.1	528.0	562.0	597.5	630.8	662.0
145°	377.4	396.2	418.6	441.8	466.7	493.4	520.9	548.4	577.6	603.4	627.5
147.5°	387.4	404.5	425.5	445.7	467.6	490.3	514.5	537.2	560.4	581.1	599.9
150°	393.6	410.0	429.0	447.8	467.6	488.2	509.7	530.4	550.1	567.3	582.8
152.5°	399.8	414.8	431.7	449.2	466.2	484.7	504.2	522.8	539.8	555.6	568.3
155°	408.3	421.2	435.8	450.4	464.2	479.7	495.9	511.4	525.2	538.0	548.4
157.5°	416.2	426.4	438.7	450.4	461.9	474.3	487.5	499.2	510.7	521.6	529.9
160°	420.3	429.8	440.1	450.4	459.9	470.2	481.4	491.6	501.1	510.6	517.5
162.5°	424.5	431.9	441.4	450.4	457.8	466.1	475.9	484.1	492.1	499.6	505.8
165°	429.0	434.0	441.8	448.7	453.8	459.9	466.7	473.6	478.8	484.7	489.0
167.5°	432.0	435.9	441.6	446.6	449.7	453.7	458.5	463.5	467.4	472.3	474.8
170°	434.0	436.6	440.9	445.2	446.9	449.5	453.0	457.3	459.9	463.3	465.9
172.5°	435.4	437.3	440.2	443.8	444.2	445.4	448.2	451.8	453.7	455.7	457.6
175°	437.5	437.5	439.2	441.8	440.9	440.9	442.6	444.4	445.2	446.9	446.9
177.5°	437.5	437.5	438.2	439.5	438.2	438.2	438.9	439.5	440.2	440.2	440.9
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1084.9	1085.6	1083.1	1082.3	1083.1	1085.6	1084.9	1087.1	1087.4	1090.4	1089.3
5°	1006.5	1005.6	1003.3	1003.8	1003.3	1005.6	1006.5	1010.1	1012.0	1019.3	1018.4
7.5°	939.4	935.9	936.9	933.2	936.9	935.9	939.4	942.7	948.3	951.7	959.4
10°	898.5	893.4	889.2	885.6	889.2	893.4	898.5	900.3	908.0	911.7	919.5
12.5°	842.4	838.1	832.5	833.6	832.5	838.1	842.4	850.4	860.4	868.1	880.3
15°	762.8	756.0	745.0	746.4	745.0	756.0	762.8	768.9	778.9	796.3	804.5
17.5°	695.6	695.7	690.6	691.8	690.6	695.7	695.6	703.7	708.9	720.0	732.5
20°	660.7	657.5	658.0	656.7	658.0	657.5	660.7	670.4	675.9	683.6	697.4
22.5°	636.6	632.7	629.5	626.6	629.5	632.7	636.6	639.2	646.6	654.0	665.1
25°	595.7	593.0	588.8	588.0	588.8	593.0	595.7	599.9	603.6	613.1	620.0
27.5°	559.8	559.3	557.7	555.5	557.7	559.3	559.8	563.5	568.3	574.4	583.1
30°	539.0	538.0	537.1	535.7	537.1	538.0	539.0	542.6	546.3	551.3	558.2
32.5°	520.3	519.7	518.8	518.9	518.8	519.7	520.3	522.1	524.3	530.8	536.2
35°	493.6	493.2	492.2	491.8	492.2	493.2	493.6	495.4	496.8	498.7	503.3
37.5°	468.7	469.9	469.3	469.2	469.3	469.9	468.7	469.2	467.7	471.0	474.2
40°	451.5	451.9	452.9	452.5	452.9	451.9	451.5	451.9	451.9	451.9	454.7
42.5°	437.2	437.3	438.6	437.0	438.6	437.3	437.2	435.5	433.3	433.6	434.5
45°	411.6	414.4	414.0	414.0	414.0	414.4	411.6	408.5	408.0	406.1	406.1
47.5°	383.7	386.1	386.8	386.7	386.8	386.1	383.7	382.5	380.5	378.6	378.4
50°	365.4	364.5	365.8	365.4	365.8	364.5	365.4	363.1	359.9	359.9	359.0
52.5°	343.1	343.3	343.2	342.7	343.2	343.3	343.1	341.9	340.5	339.1	338.5
55°	308.7	309.1	308.2	308.7	308.2	309.1	308.7	308.2	308.2	307.3	308.2
57.5°	271.3	269.1	270.0	268.9	270.0	269.1	271.3	273.3	274.1	274.2	275.6
60°	244.5	240.8	240.0	238.2	240.0	240.8	244.5	249.1	250.9	251.8	253.2
62.5°	214.5	211.9	208.8	210.3	208.8	211.9	214.5	219.5	223.4	226.6	229.8
65°	174.4	172.6	171.3	173.1	171.3	172.6	174.4	178.1	181.8	189.1	196.0
67.5°	144.4	143.4	143.4	142.5	143.4	143.4	144.4	146.3	148.5	152.6	159.0
70°	128.6	127.3	127.3	126.4	127.3	127.3	128.6	128.6	131.0	132.8	137.4
72.5°	112.5	111.2	111.6	111.0	111.6	111.2	112.5	113.0	115.2	116.0	118.0
75°	83.3	81.0	81.0	81.5	81.0	81.0	83.3	86.1	88.3	92.5	93.4
77.5°	62.2	61.7	62.3	61.6	62.3	61.7	62.2	62.2	62.7	64.6	66.1
80°	50.8	50.4	49.9	51.3	49.9	50.4	50.8	50.8	51.3	51.7	52.2
82.5°	39.4	39.3	39.3	41.1	39.3	39.3	39.4	40.2	40.3	40.0	40.5
85°	23.8	22.9	23.8	22.9	23.8	22.9	23.8	23.3	23.8	23.3	23.8
87.5°	12.1	11.9	11.3	11.7	11.3	11.9	12.1	11.1	11.1	11.7	11.2
90°	18.1	18.9	18.1	18.1	18.1	18.9	18.1	17.2	17.2	16.4	15.5
92.5°	73.8	69.1	66.2	66.2	66.2	69.1	73.8	83.9	101.1	127.1	168.8
95°	263.0	236.3	220.9	209.7	220.9	236.3	263.0	305.1	388.5	503.7	636.9
97.5°	656.0	604.2	578.5	560.6	578.5	604.2	656.0	717.7	807.4	891.5	941.1
100°	873.3	820.9	795.0	788.2	795.0	820.9	873.3	948.0	1011.7	1053.8	1036.6
102.5°	1056.9	1018.9	991.8	986.3	991.8	1018.9	1056.9	1102.8	1129.3	1117.1	1031.8
105°	1233.5	1226.6	1214.5	1209.4	1214.5	1226.6	1233.5	1231.7	1196.4	1111.4	962.7
107.5°	1261.8	1281.4	1290.0	1292.3	1290.0	1281.4	1261.8	1219.3	1142.7	1022.9	864.5
110°	1234.3	1270.4	1285.9	1293.7	1285.9	1270.4	1234.3	1173.3	1078.7	954.1	805.4



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1175.2	1218.8	1240.5	1253.0	1240.5	1218.8	1175.2	1105.9	1011.3	893.5	762.1
115°	1075.3	1126.9	1154.3	1161.2	1154.3	1126.9	1075.3	1007.4	924.9	824.3	718.6
117.5°	991.8	1035.1	1062.9	1068.2	1062.9	1035.1	991.8	933.8	863.8	784.8	697.2
120°	946.3	984.2	1006.5	1016.0	1006.5	984.2	946.3	897.3	836.4	767.6	687.6
122.5°	914.0	946.3	965.3	974.7	965.3	946.3	914.0	872.6	819.2	756.6	679.4
125°	880.2	905.1	921.4	926.6	921.4	905.1	880.2	845.8	798.5	739.2	665.3
127.5°	857.3	879.5	893.2	898.4	893.2	879.5	857.3	822.8	777.9	718.8	648.1
130°	841.5	863.0	876.8	881.9	876.8	863.0	841.5	806.2	760.7	702.2	634.4
132.5°	820.9	845.1	858.2	863.3	858.2	845.1	820.9	786.4	740.7	683.7	619.9
135°	785.7	809.7	823.5	828.6	823.5	809.7	785.7	751.2	708.3	655.8	599.9
137.5°	744.3	768.1	779.5	785.7	779.5	768.1	744.3	712.2	673.4	629.2	581.9
140°	716.9	735.8	747.8	754.7	747.8	735.8	716.9	686.7	650.7	612.0	571.6
142.5°	688.6	706.2	716.9	721.7	716.9	706.2	688.6	662.0	630.8	597.5	562.0
145°	648.9	663.6	672.2	676.5	672.2	663.6	648.9	627.5	603.4	577.6	548.4
147.5°	615.8	628.4	634.9	636.4	634.9	628.4	615.8	599.9	581.1	560.4	537.2
150°	596.5	607.7	612.9	613.7	612.9	607.7	596.5	582.8	567.3	550.1	530.4
152.5°	580.1	589.1	592.2	593.1	592.2	589.1	580.1	568.3	555.6	539.8	522.8
155°	557.0	563.9	566.5	566.5	566.5	563.9	557.0	548.4	538.0	525.2	511.4
157.5°	536.3	541.5	543.0	543.0	543.0	541.5	536.3	529.9	521.6	510.7	499.2
160°	522.6	527.8	528.7	528.7	528.7	527.8	522.6	517.5	510.6	501.1	491.6
162.5°	509.5	514.7	515.6	514.9	515.6	514.7	509.5	505.8	499.6	492.1	484.1
165°	492.5	495.9	495.1	494.2	495.1	495.9	492.5	489.0	484.7	478.8	473.6
167.5°	476.6	478.8	478.6	477.9	478.6	478.8	476.6	474.8	472.3	467.4	463.5
170°	467.6	468.5	467.6	467.6	467.6	468.5	467.6	465.9	463.3	459.9	457.3
172.5°	458.7	459.5	458.7	457.3	458.7	459.5	458.7	457.6	455.7	453.7	451.8
175°	446.9	448.7	446.9	445.2	446.9	448.7	446.9	446.9	446.9	445.2	444.4
177.5°	440.2	440.9	439.5	438.2	439.5	440.9	440.2	440.9	440.2	440.2	439.5
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1087.1	1089.7	1095.5	1102.1	1107.6	1112.3	1116.0	1121.1	1125.9	1132.5	1138.8
5°	1021.1	1027.5	1036.7	1047.7	1061.4	1070.6	1082.0	1092.1	1106.7	1121.5	1135.7
7.5°	963.3	970.3	983.8	999.0	1015.3	1030.3	1043.9	1061.6	1081.1	1102.3	1126.2
10°	925.9	933.7	949.7	967.1	986.4	1001.0	1019.3	1040.3	1062.4	1088.5	1117.8
12.5°	892.2	899.6	918.9	936.7	956.7	972.8	994.0	1015.5	1044.7	1073.1	1106.4
15°	826.6	846.2	868.2	889.2	913.1	932.8	958.4	980.4	1008.3	1048.2	1086.2
17.5°	753.6	774.6	801.9	834.4	866.3	890.7	916.7	944.0	977.2	1018.0	1061.8
20°	711.1	728.1	758.3	794.4	831.6	865.5	889.2	919.5	953.8	997.8	1043.1
22.5°	679.2	693.6	717.3	753.5	793.5	832.8	863.2	893.1	931.1	975.1	1024.4
25°	631.5	647.0	667.6	692.3	738.1	779.8	819.7	854.0	894.3	938.2	993.2
27.5°	591.7	605.3	624.1	649.9	680.6	726.6	774.9	814.1	855.4	902.6	957.6
30°	568.3	579.3	594.9	621.0	650.2	691.5	740.5	786.3	827.9	876.9	934.1
32.5°	543.7	555.4	570.7	591.2	622.8	657.4	706.4	756.6	800.8	850.9	907.1
35°	511.0	520.2	533.9	555.0	583.4	613.6	657.1	708.9	755.5	809.2	862.7
37.5°	477.9	488.8	499.6	518.3	541.7	574.1	609.8	662.6	714.4	763.3	815.5
40°	459.3	465.7	477.6	492.8	517.5	546.3	579.7	631.5	683.2	731.8	784.4
42.5°	438.4	445.6	455.6	470.7	492.9	521.0	553.7	598.5	652.5	699.5	747.4
45°	409.4	413.5	423.5	436.4	454.7	483.1	513.3	553.2	604.0	648.8	691.0
47.5°	380.0	383.7	389.9	401.7	422.2	445.0	473.3	509.0	553.6	598.5	634.1
50°	359.9	363.1	369.1	380.0	398.4	420.9	448.8	480.8	520.6	563.7	593.5
52.5°	339.8	341.5	347.1	359.6	375.0	397.0	422.0	451.5	488.8	524.5	554.7
55°	307.7	311.9	315.5	324.7	339.3	360.4	382.8	410.8	439.6	469.8	495.4
57.5°	274.3	278.8	284.1	292.1	303.8	323.4	343.5	366.2	390.8	415.9	437.4
60°	252.3	256.4	261.0	270.2	280.7	296.3	318.2	337.9	356.7	379.6	401.1
62.5°	230.7	234.8	240.1	247.5	257.6	272.4	290.8	307.9	327.4	347.4	363.4
65°	198.7	201.9	206.0	212.9	222.6	235.8	250.9	264.2	281.6	296.3	310.9
67.5°	163.7	169.8	175.2	180.8	188.9	201.3	212.2	224.9	236.8	247.6	261.0
70°	140.6	147.5	152.5	158.4	166.3	176.8	187.3	196.0	205.6	216.1	228.1
72.5°	121.1	126.6	130.5	136.8	143.9	153.7	163.5	170.7	178.5	185.7	197.3
75°	95.7	98.0	100.7	105.8	112.2	119.5	127.3	133.7	138.3	144.7	152.9
77.5°	68.8	73.2	75.0	78.6	83.2	87.7	92.9	98.2	102.6	105.0	111.2
80°	52.7	54.5	56.3	61.4	64.1	68.7	72.3	77.4	79.2	81.5	87.5
82.5°	40.9	42.0	43.1	44.5	46.1	50.7	54.4	57.6	59.4	60.3	64.7
85°	23.8	24.3	24.7	25.2	25.7	25.7	27.5	29.8	33.0	33.0	34.4
87.5°	11.0	11.5	11.2	10.5	11.2	10.2	10.5	10.3	11.3	11.9	12.7
90°	14.6	15.5	13.8	12.1	12.1	6.9	6.9	6.0	5.2	2.6	0.9
92.5°	227.1	272.7	238.6	173.7	106.9	63.3	45.4	32.8	22.4	14.3	9.8
95°	720.3	700.5	528.7	323.2	182.2	107.5	71.4	50.7	39.5	30.9	28.3
97.5°	904.9	737.8	494.7	290.5	174.2	116.6	86.3	68.6	58.3	50.9	50.9
100°	911.1	691.0	448.7	273.4	176.2	125.5	98.0	81.6	71.4	65.3	65.3
102.5°	859.5	632.7	417.8	268.5	183.0	137.2	111.1	95.4	85.8	80.4	79.0
105°	765.9	563.9	391.1	270.8	199.4	158.2	133.2	117.8	107.5	103.1	100.6
107.5°	690.2	525.4	386.2	283.4	218.5	180.6	156.1	141.3	130.3	126.1	124.3
110°	652.4	512.3	387.6	293.1	232.9	195.1	171.9	156.4	146.1	141.8	140.1



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	631.1	506.1	391.8	303.4	246.7	210.3	187.0	171.6	162.0	157.0	155.2
115°	611.1	502.8	399.7	319.8	268.2	233.8	210.6	194.2	185.6	179.6	177.1
117.5°	602.2	502.0	408.1	336.4	289.0	256.3	232.2	217.0	207.5	202.2	199.8
120°	597.4	502.0	414.3	348.1	303.4	270.8	246.7	232.0	222.7	216.6	214.9
122.5°	591.9	501.3	420.5	359.1	317.2	284.5	261.1	245.1	236.3	230.3	228.7
125°	582.8	500.2	429.8	375.7	336.0	305.1	281.0	264.8	255.3	250.1	246.7
127.5°	570.6	498.3	437.1	389.9	353.6	323.7	299.5	282.4	271.6	265.4	262.7
130°	563.0	497.7	442.6	398.8	365.3	336.0	311.2	294.8	281.9	275.1	271.6
132.5°	556.1	497.0	447.5	407.8	375.0	345.7	322.2	304.4	292.2	283.3	280.5
135°	545.8	495.9	454.7	419.5	388.5	360.2	337.8	319.8	305.1	296.5	293.1
137.5°	536.8	495.8	459.0	427.7	398.8	372.4	351.0	332.3	318.4	308.9	305.7
140°	532.1	495.1	462.4	433.2	405.7	380.0	359.3	341.2	326.7	317.2	314.6
142.5°	528.0	495.1	465.2	437.3	411.9	386.8	366.9	349.5	335.5	326.8	324.3
145°	520.9	493.4	466.7	441.8	418.6	396.2	377.4	361.0	349.0	340.4	337.8
147.5°	514.5	490.3	467.6	445.7	425.5	404.5	387.4	373.9	361.5	354.0	353.1
150°	509.7	488.2	467.6	447.8	429.0	410.0	393.6	380.8	370.5	363.6	362.7
152.5°	504.2	484.7	466.2	449.2	431.7	414.8	399.8	388.3	378.8	371.9	371.7
155°	495.9	479.7	464.2	450.4	435.8	421.2	408.3	398.8	390.2	385.0	384.2
157.5°	487.5	474.3	461.9	450.4	438.7	426.4	416.2	407.9	401.2	396.4	396.4
160°	481.4	470.2	459.9	450.4	440.1	429.8	420.3	413.5	407.4	404.0	404.0
162.5°	475.9	466.1	457.8	450.4	441.4	431.9	424.5	418.3	412.9	410.2	410.9
165°	466.7	459.9	453.8	448.7	441.8	434.0	429.0	424.6	420.3	418.6	418.6
167.5°	458.5	453.7	449.7	446.6	441.6	435.9	432.0	429.6	426.4	425.5	426.4
170°	453.0	449.5	446.9	445.2	440.9	436.6	434.0	432.4	429.8	429.0	429.8
172.5°	448.2	445.4	444.2	443.8	440.2	437.3	435.4	434.4	432.5	432.4	433.2
175°	442.6	440.9	440.9	441.8	439.2	437.5	437.5	436.6	435.8	435.8	436.6
177.5°	438.9	438.2	438.2	439.5	438.2	437.5	437.5	437.5	436.8	437.5	438.2
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



TEST NUMBER: P332945-935

CATALOG NUMBER: SA4XXRDIP-C795D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1143.5	1146.8	1150.5	1157.4	1163.3	1165.9	1171.0	1174.7	1173.5	1178.6	1187.5
5°	1148.0	1160.4	1174.6	1189.2	1205.7	1219.4	1230.4	1241.4	1250.1	1260.6	1276.2
7.5°	1147.3	1169.2	1193.2	1219.4	1246.5	1269.8	1291.4	1313.4	1332.9	1354.3	1382.2
10°	1144.4	1173.6	1203.4	1237.8	1272.0	1304.6	1333.9	1361.4	1387.5	1415.4	1450.7
12.5°	1141.0	1174.7	1210.7	1252.0	1294.8	1333.9	1368.3	1407.9	1440.6	1476.6	1517.3
15°	1126.4	1171.8	1220.8	1274.4	1325.7	1378.3	1425.5	1474.0	1519.3	1562.4	1613.7
17.5°	1109.8	1162.1	1219.9	1283.1	1344.8	1408.8	1464.7	1526.0	1572.3	1630.0	1677.7
20°	1096.2	1152.5	1214.4	1285.4	1355.4	1426.4	1488.2	1550.5	1602.7	1660.9	1721.3
22.5°	1079.8	1141.6	1208.5	1282.0	1355.4	1433.0	1501.4	1563.3	1628.0	1693.4	1755.8
25°	1053.2	1117.3	1188.3	1268.9	1353.1	1432.4	1505.6	1582.5	1652.2	1723.1	1779.0
27.5°	1020.6	1087.9	1162.7	1245.9	1332.3	1413.5	1499.8	1581.7	1651.7	1720.1	1768.8
30°	994.5	1065.6	1137.5	1221.7	1311.5	1398.4	1491.0	1573.0	1646.7	1708.1	1735.5
32.5°	967.9	1035.2	1109.2	1194.6	1286.5	1380.2	1471.9	1555.7	1623.9	1660.8	1661.5
35°	921.4	984.5	1061.4	1145.2	1239.6	1341.3	1434.2	1516.6	1558.2	1561.5	1516.6
37.5°	870.6	928.6	1001.2	1085.0	1188.4	1289.5	1384.5	1439.4	1453.3	1406.7	1323.7
40°	834.3	887.9	957.9	1044.0	1146.6	1251.0	1337.6	1377.9	1363.2	1287.6	1195.2
42.5°	796.3	846.1	913.6	998.6	1101.6	1207.0	1280.7	1302.4	1263.6	1176.3	1068.1
45°	734.0	779.8	846.7	932.3	1031.2	1130.1	1186.0	1175.0	1110.4	1006.9	885.6
47.5°	669.3	713.5	773.7	852.9	954.2	1039.6	1077.4	1044.2	952.4	838.5	739.8
50°	626.5	671.8	727.2	802.7	895.2	977.7	1001.9	951.6	849.5	739.9	649.3
52.5°	584.3	623.0	677.3	750.4	838.8	908.4	921.4	863.2	757.9	659.8	579.4
55°	520.2	555.4	601.2	669.9	746.4	805.5	798.6	723.9	628.3	544.5	481.3
57.5°	458.2	484.7	527.0	591.4	658.6	698.2	673.1	609.5	520.3	451.7	398.4
60°	417.2	441.9	481.3	537.6	596.7	619.1	598.1	528.9	458.4	395.6	350.8
62.5°	378.3	400.1	434.0	486.3	534.0	547.3	524.8	464.4	400.9	347.2	310.1
65°	321.9	342.1	370.9	408.0	441.0	447.4	432.7	370.9	322.8	277.9	252.3
67.5°	270.7	283.9	306.4	338.5	356.0	359.7	331.4	292.6	250.2	222.7	203.3
70°	236.3	245.5	266.5	283.9	298.1	298.6	272.4	241.3	208.8	186.4	172.2
72.5°	202.9	211.7	227.6	239.6	250.5	246.9	223.0	198.5	172.2	155.2	144.7
75°	156.6	164.4	172.6	178.1	178.1	173.6	156.2	137.8	122.7	112.6	109.4
77.5°	113.8	120.3	123.0	122.2	120.5	113.4	102.4	90.4	85.0	80.2	77.8
80°	89.3	92.0	93.0	90.7	87.9	79.6	72.3	67.3	62.3	60.4	59.5
82.5°	66.2	68.6	66.2	66.8	60.8	54.1	50.0	48.3	46.1	45.5	44.5
85°	35.3	34.8	33.9	31.6	27.5	26.5	26.1	25.7	24.7	25.2	24.3
87.5°	12.6	12.1	10.8	10.5	10.5	10.8	11.2	11.5	11.9	11.4	12.2
90°	2.6	5.2	6.0	6.9	6.9	12.1	12.1	13.8	15.5	14.6	15.5
92.5°	14.3	22.4	32.8	45.4	63.3	106.9	173.7	238.6	272.7	227.1	168.8
95°	30.9	39.5	50.7	71.4	107.5	182.2	323.2	528.7	700.5	720.3	636.9
97.5°	50.9	58.3	68.6	86.3	116.6	174.2	290.5	494.7	737.8	904.9	941.1
100°	65.3	71.4	81.6	98.0	125.5	176.2	273.4	448.7	691.0	911.1	1036.6
102.5°	80.4	85.8	95.4	111.1	137.2	183.0	268.5	417.8	632.7	859.5	1031.8
105°	103.1	107.5	117.8	133.2	158.2	199.4	270.8	391.1	563.9	765.9	962.7
107.5°	126.1	130.3	141.3	156.1	180.6	218.5	283.4	386.2	525.4	690.2	864.5
110°	141.8	146.1	156.4	171.9	195.1	232.9	293.1	387.6	512.3	652.4	805.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	157.0	162.0	171.6	187.0	210.3	246.7	303.4	391.8	506.1	631.1	762.1
115°	179.6	185.6	194.2	210.6	233.8	268.2	319.8	399.7	502.8	611.1	718.6
117.5°	202.2	207.5	217.0	232.2	256.3	289.0	336.4	408.1	502.0	602.2	697.2
120°	216.6	222.7	232.0	246.7	270.8	303.4	348.1	414.3	502.0	597.4	687.6
122.5°	230.3	236.3	245.1	261.1	284.5	317.2	359.1	420.5	501.3	591.9	679.4
125°	250.1	255.3	264.8	281.0	305.1	336.0	375.7	429.8	500.2	582.8	665.3
127.5°	265.4	271.6	282.4	299.5	323.7	353.6	389.9	437.1	498.3	570.6	648.1
130°	275.1	281.9	294.8	311.2	336.0	365.3	398.8	442.6	497.7	563.0	634.4
132.5°	283.3	292.2	304.4	322.2	345.7	375.0	407.8	447.5	497.0	556.1	619.9
135°	296.5	305.1	319.8	337.8	360.2	388.5	419.5	454.7	495.9	545.8	599.9
137.5°	308.9	318.4	332.3	351.0	372.4	398.8	427.7	459.0	495.8	536.8	581.9
140°	317.2	326.7	341.2	359.3	380.0	405.7	433.2	462.4	495.1	532.1	571.6
142.5°	326.8	335.5	349.5	366.9	386.8	411.9	437.3	465.2	495.1	528.0	562.0
145°	340.4	349.0	361.0	377.4	396.2	418.6	441.8	466.7	493.4	520.9	548.4
147.5°	354.0	361.5	373.9	387.4	404.5	425.5	445.7	467.6	490.3	514.5	537.2
150°	363.6	370.5	380.8	393.6	410.0	429.0	447.8	467.6	488.2	509.7	530.4
152.5°	371.9	378.8	388.3	399.8	414.8	431.7	449.2	466.2	484.7	504.2	522.8
155°	385.0	390.2	398.8	408.3	421.2	435.8	450.4	464.2	479.7	495.9	511.4
157.5°	396.4	401.2	407.9	416.2	426.4	438.7	450.4	461.9	474.3	487.5	499.2
160°	404.0	407.4	413.5	420.3	429.8	440.1	450.4	459.9	470.2	481.4	491.6
162.5°	410.2	412.9	418.3	424.5	431.9	441.4	450.4	457.8	466.1	475.9	484.1
165°	418.6	420.3	424.6	429.0	434.0	441.8	448.7	453.8	459.9	466.7	473.6
167.5°	425.5	426.4	429.6	432.0	435.9	441.6	446.6	449.7	453.7	458.5	463.5
170°	429.0	429.8	432.4	434.0	436.6	440.9	445.2	446.9	449.5	453.0	457.3
172.5°	432.4	432.5	434.4	435.4	437.3	440.2	443.8	444.2	445.4	448.2	451.8
175°	435.8	435.8	436.6	437.5	437.5	439.2	441.8	440.9	440.9	442.6	444.4
177.5°	437.5	436.8	437.5	437.5	437.5	438.2	439.5	438.2	438.2	438.9	439.5
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5	437.5



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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°	11.7	11.5	11.9	11.7	11.9	11.3	11.7
90°	16.4	17.2	17.2	18.1	18.9	18.1	18.1
92.5°	127.1	101.1	83.9	73.8	69.1	66.2	66.2
95°	503.7	388.5	305.1	263.0	236.3	220.9	209.7
97.5°	891.5	807.4	717.7	656.0	604.2	578.5	560.6
100°	1053.8	1011.7	948.0	873.3	820.9	795.0	788.2
102.5°	1117.1	1129.3	1102.8	1056.9	1018.9	991.8	986.3
105°	1111.4	1196.4	1231.7	1233.5	1226.6	1214.5	1209.4
107.5°	1022.9	1142.7	1219.3	1261.8	1281.4	1290.0	1292.3
110°	954.1	1078.7	1173.3	1234.3	1270.4	1285.9	1293.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	893.5	1011.3	1105.9	1175.2	1218.8	1240.5	1253.0
115°	824.3	924.9	1007.4	1075.3	1126.9	1154.3	1161.2
117.5°	784.8	863.8	933.8	991.8	1035.1	1062.9	1068.2
120°	767.6	836.4	897.3	946.3	984.2	1006.5	1016.0
122.5°	756.6	819.2	872.6	914.0	946.3	965.3	974.7
125°	739.2	798.5	845.8	880.2	905.1	921.4	926.6
127.5°	718.8	777.9	822.8	857.3	879.5	893.2	898.4
130°	702.2	760.7	806.2	841.5	863.0	876.8	881.9
132.5°	683.7	740.7	786.4	820.9	845.1	858.2	863.3
135°	655.8	708.3	751.2	785.7	809.7	823.5	828.6
137.5°	629.2	673.4	712.2	744.3	768.1	779.5	785.7
140°	612.0	650.7	686.7	716.9	735.8	747.8	754.7
142.5°	597.5	630.8	662.0	688.6	706.2	716.9	721.7
145°	577.6	603.4	627.5	648.9	663.6	672.2	676.5
147.5°	560.4	581.1	599.9	615.8	628.4	634.9	636.4
150°	550.1	567.3	582.8	596.5	607.7	612.9	613.7
152.5°	539.8	555.6	568.3	580.1	589.1	592.2	593.1
155°	525.2	538.0	548.4	557.0	563.9	566.5	566.5
157.5°	510.7	521.6	529.9	536.3	541.5	543.0	543.0
160°	501.1	510.6	517.5	522.6	527.8	528.7	528.7
162.5°	492.1	499.6	505.8	509.5	514.7	515.6	514.9
165°	478.8	484.7	489.0	492.5	495.9	495.1	494.2
167.5°	467.4	472.3	474.8	476.6	478.8	478.6	477.9
170°	459.9	463.3	465.9	467.6	468.5	467.6	467.6
172.5°	453.7	455.7	457.6	458.7	459.5	458.7	457.3
175°	445.2	446.9	446.9	446.9	448.7	446.9	445.2
177.5°	440.2	440.2	440.9	440.2	440.9	439.5	438.2
180°	437.5	437.5	437.5	437.5	437.5	437.5	437.5

(END OF REPORT)