

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: P332937-930

Luminaire Tested: **SA4XXRDIP-C795D810U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332937-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

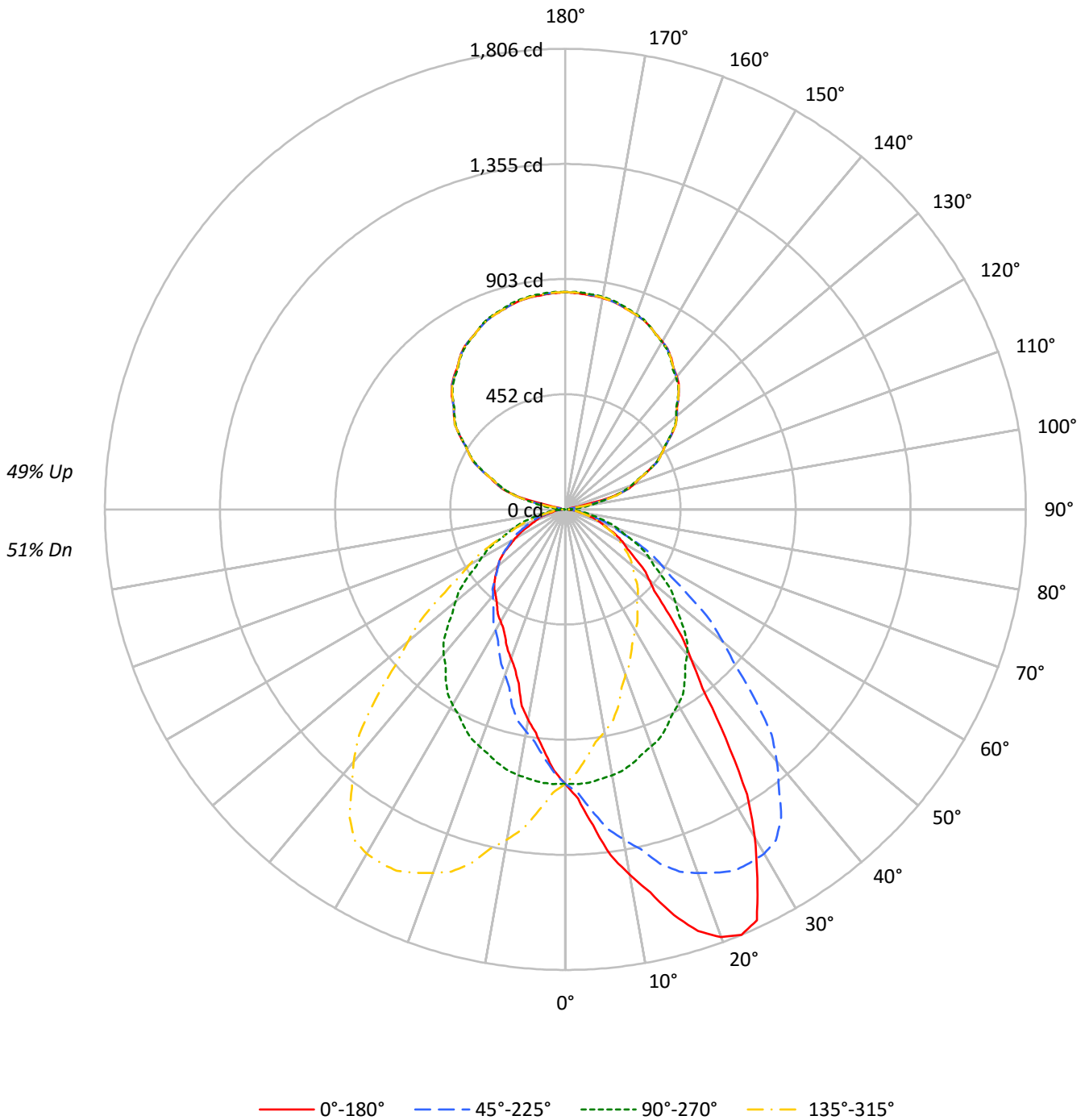
Lumens per Lamp: N/A
Luminaire Lumens: 5359.3 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				51
1	98	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49				44	
2	90	83	77	72	83	77	72	67	66	62	58	55	52	50	45	44	42				37	
3	82	73	66	60	76	68	62	57	58	54	50	49	46	43	41	38	36				32	
4	76	65	57	52	70	61	54	49	52	47	43	44	40	37	37	34	32				28	
5	69	58	50	44	64	54	47	42	47	41	37	40	36	32	33	30	28				25	
6	64	52	44	39	59	49	42	37	42	37	33	36	32	29	30	27	25				22	
7	59	47	40	34	55	44	37	32	38	33	29	33	29	25	28	24	22				19	
8	55	43	35	30	51	40	33	29	35	30	26	30	26	23	25	22	20				17	
9	51	39	32	27	48	37	30	26	32	27	23	28	23	20	24	20	18				16	
10	48	36	29	24	44	34	27	23	30	24	21	26	21	19	22	19	16				14	

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	1.9
10°-20°	314.5	5.9
20°-30°	492.0	9.2
30°-40°	546.9	10.2
40°-50°	485.2	9.1
50°-60°	378.1	7.1
60°-70°	247.6	4.6
70°-80°	121.7	2.3
80°-90°	32.5	0.6
90°-100°	29.1	0.5
100°-110°	185.9	3.5
110°-120°	355.6	6.6
120°-130°	451.4	8.4
130°-140°	482.9	9.0
140°-150°	451.6	8.4
150°-160°	364.2	6.8
160°-170°	234.9	4.4
170°-180°	81.0	1.5
0°-30°	910.8	17.0
0°-40°	1457.7	27.2
0°-60°	2321.1	43.3
0°-90°	2722.9	50.8
90°-120°	570.6	10.6
90°-150°	1956.4	36.5
90°-180°	2636.0	49.2
0°-180°	5359.3	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°	19	2	19	2	19	9
95°	18	35	18	35	18	15
105°	182	192	182	192	182	158
115°	361	358	361	358	361	357
125°	507	504	507	504	507	452
135°	629	625	629	625	629	484
145°	724	720	724	720	724	453
155°	789	790	789	790	789	364
165°	829	833	829	833	829	234
175°	847	852	847	852	847	81
180°	852	852	852	852	852	



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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°	11.5	11.1	11.3	11.3	11.6	11.1	11.3	11.8	10.9	11.2	10.9
90°	19.2	18.8	18.6	18.3	18.0	17.4	16.6	15.7	14.8	14.0	12.9
92.5°	17.6	17.5	17.4	17.4	17.4	16.9	16.1	15.2	14.3	13.5	12.4
95°	18.5	18.3	18.2	18.1	17.9	17.4	16.6	15.7	14.8	14.0	13.9
97.5°	17.9	17.7	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.8	32.6
100°	17.9	17.7	17.5	17.4	17.3	18.4	20.8	23.2	25.6	28.0	47.6
102.5°	18.3	18.3	18.3	18.3	18.3	31.2	57.2	83.2	109.2	135.2	137.7
105°	181.6	186.8	191.8	197.0	202.1	204.0	202.7	201.5	200.2	198.9	198.2
107.5°	253.2	252.7	252.1	251.6	251.0	250.5	249.8	249.2	248.6	248.0	247.0
110°	284.3	283.9	283.5	283.1	282.6	282.3	282.0	281.7	281.4	281.1	280.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	315.4	314.9	314.4	313.8	313.2	313.0	313.1	313.2	313.2	313.2	312.8
115°	360.9	360.9	360.9	360.9	360.9	360.7	360.4	360.1	359.8	359.5	359.7
117.5°	407.0	407.0	407.1	407.2	407.2	407.2	407.3	407.3	407.4	407.5	407.2
120°	436.0	436.3	436.6	436.9	437.2	437.2	436.9	436.6	436.3	436.0	436.2
122.5°	464.6	464.9	465.1	465.5	465.7	465.8	465.6	465.5	465.3	465.1	464.9
125°	507.4	507.3	507.1	507.0	506.9	506.5	506.1	505.7	505.3	504.9	505.2
127.5°	545.0	545.2	545.3	545.4	545.5	545.6	545.7	545.8	545.8	545.9	545.3
130°	570.5	570.5	570.5	570.5	570.5	570.5	570.3	570.2	570.1	569.9	569.5
132.5°	594.0	594.1	594.2	594.4	594.4	594.4	594.3	594.2	594.0	593.9	593.3
135°	629.2	628.9	628.6	628.4	628.0	627.8	627.5	627.2	626.9	626.6	626.1
137.5°	659.3	659.3	659.4	659.5	659.6	659.5	659.2	658.8	658.6	658.3	657.6
140°	680.2	680.0	679.9	679.8	679.6	679.3	678.9	678.5	678.1	677.6	677.4
142.5°	697.5	697.5	697.5	697.4	697.4	697.2	696.9	696.6	696.3	696.0	695.9
145°	724.1	723.9	723.6	723.3	723.0	722.8	722.7	722.5	722.4	722.3	722.3
147.5°	746.2	746.1	745.9	745.8	745.7	745.5	745.4	745.3	745.2	745.1	745.2
150°	760.5	760.3	760.2	760.1	759.9	759.9	759.9	759.9	759.9	759.9	760.0
152.5°	772.7	772.8	772.9	773.0	773.1	773.0	772.8	772.6	772.3	772.1	772.3
155°	789.2	789.6	790.0	790.4	790.9	790.8	790.3	789.7	789.1	788.6	789.0
157.5°	803.0	803.7	804.5	805.2	805.9	805.9	805.2	804.5	803.7	803.0	803.5
160°	812.1	813.0	813.8	814.7	815.5	815.5	814.7	813.8	813.0	812.1	812.3
162.5°	819.3	820.3	821.2	822.1	823.1	823.2	822.3	821.5	820.7	819.8	819.9
165°	829.3	830.6	831.9	833.2	834.5	834.5	833.4	832.3	831.1	830.0	830.0
167.5°	836.9	838.3	839.7	841.1	842.5	842.6	841.4	840.2	838.9	837.6	837.7
170°	841.5	842.9	844.3	845.7	847.1	847.3	846.1	845.0	843.8	842.8	842.6
172.5°	844.0	845.5	847.1	848.6	850.1	850.4	849.2	848.1	846.9	845.8	845.6
175°	847.2	848.9	850.6	852.3	854.0	854.2	853.0	851.7	850.4	849.1	849.0
177.5°	849.2	850.6	852.0	853.3	854.7	854.9	854.0	853.1	852.2	851.3	851.1
180°	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3



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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°	10.7	10.1	10.6	10.3	10.4	11.4	12.1	12.1	11.4	10.7	10.0
90°	11.7	10.6	9.5	8.2	6.6	5.1	3.5	1.9	3.5	5.1	6.6
92.5°	11.3	10.1	9.0	8.4	8.3	8.2	8.2	8.1	8.2	8.2	8.3
95°	13.8	13.6	13.5	15.8	20.6	25.4	30.2	35.1	30.2	25.4	20.6
97.5°	48.4	64.2	80.1	86.5	83.5	80.5	77.5	74.4	77.5	80.5	83.5
100°	67.2	86.7	106.2	114.7	112.2	109.7	107.1	104.5	107.1	109.7	112.2
102.5°	140.2	142.8	145.4	145.7	143.8	141.9	140.1	138.2	140.1	141.9	143.8
105°	197.5	196.7	196.1	195.3	194.4	193.6	192.7	191.8	192.7	193.6	194.4
107.5°	246.1	245.1	244.1	243.4	243.0	242.6	242.1	241.7	242.1	242.6	243.0
110°	279.4	278.6	277.7	277.1	276.6	276.2	275.8	275.4	275.8	276.2	276.6



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	312.4	312.1	311.7	311.1	310.3	309.6	308.8	308.0	308.8	309.6	310.3
115°	359.8	360.0	360.1	360.0	359.5	359.1	358.7	358.2	358.7	359.1	359.5
117.5°	406.8	406.5	406.3	405.8	405.2	404.6	404.1	403.5	404.1	404.6	405.2
120°	436.3	436.4	436.6	436.3	435.9	435.3	434.7	434.1	434.7	435.3	435.9
122.5°	464.7	464.5	464.3	464.1	463.7	463.3	463.0	462.7	463.0	463.3	463.7
125°	505.5	505.7	506.0	505.9	505.3	504.8	504.2	503.6	504.2	504.8	505.3
127.5°	544.6	544.0	543.3	542.9	542.8	542.7	542.5	542.3	542.5	542.7	542.8
130°	569.1	568.6	568.2	567.9	567.8	567.6	567.5	567.4	567.5	567.6	567.8
132.5°	592.8	592.2	591.7	591.3	591.1	590.8	590.5	590.3	590.5	590.8	591.1
135°	625.5	624.9	624.4	624.2	624.3	624.4	624.6	624.8	624.6	624.4	624.3
137.5°	657.0	656.4	655.7	655.4	655.3	655.3	655.3	655.2	655.3	655.3	655.3
140°	677.1	676.8	676.5	676.2	676.0	675.6	675.4	675.1	675.4	675.6	676.0
142.5°	695.7	695.5	695.3	695.0	694.5	694.0	693.4	692.9	693.4	694.0	694.5
145°	722.3	722.3	722.3	722.0	721.6	721.2	720.8	720.3	720.8	721.2	721.6
147.5°	745.3	745.5	745.7	745.3	744.5	743.7	743.0	742.2	743.0	743.7	744.5
150°	760.2	760.3	760.4	760.2	759.7	759.1	758.6	758.0	758.6	759.1	759.7
152.5°	772.7	772.9	773.1	773.1	772.6	772.1	771.7	771.2	771.7	772.1	772.6
155°	789.4	789.9	790.3	790.4	790.3	790.1	789.9	789.9	789.9	790.1	790.3
157.5°	804.0	804.4	804.9	805.2	805.3	805.4	805.4	805.5	805.4	805.4	805.3
160°	812.4	812.6	812.7	813.0	813.4	813.8	814.2	814.7	814.2	813.8	813.4
162.5°	820.1	820.2	820.4	820.7	821.3	821.7	822.3	822.9	822.3	821.7	821.3
165°	830.0	830.0	830.0	830.4	831.0	831.8	832.5	833.2	832.5	831.8	831.0
167.5°	837.8	837.9	838.0	838.4	839.1	839.8	840.6	841.3	840.6	839.8	839.1
170°	842.4	842.3	842.2	842.5	843.3	844.2	845.1	846.0	845.1	844.2	843.3
172.5°	845.5	845.4	845.2	845.6	846.4	847.3	848.2	849.0	848.2	847.3	846.4
175°	848.8	848.7	848.6	848.9	849.8	850.6	851.4	852.3	851.4	850.6	849.8
177.5°	850.8	850.6	850.4	850.7	851.4	852.2	853.0	853.9	853.0	852.2	851.4
180°	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

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°	10.3	10.2	10.4	9.9	10.5	10.8	10.6	10.8	11.3	10.8	10.8
90°	8.2	9.5	10.6	11.7	12.9	14.0	14.8	15.7	16.6	17.4	18.0
92.5°	8.4	9.0	10.1	11.3	12.4	13.5	14.3	15.2	16.1	16.9	17.4
95°	15.8	13.5	13.6	13.8	13.9	14.0	14.8	15.7	16.6	17.4	17.9
97.5°	86.5	80.1	64.2	48.4	32.6	16.8	16.9	17.0	17.1	17.2	17.3
100°	114.7	106.2	86.7	67.2	47.6	28.0	25.6	23.2	20.8	18.4	17.3
102.5°	145.7	145.4	142.8	140.2	137.7	135.2	109.2	83.2	57.2	31.2	18.3
105°	195.3	196.1	196.7	197.5	198.2	198.9	200.2	201.5	202.7	204.0	202.1
107.5°	243.4	244.1	245.1	246.1	247.0	248.0	248.6	249.2	249.8	250.5	251.0
110°	277.1	277.7	278.6	279.4	280.3	281.1	281.4	281.7	282.0	282.3	282.6



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	311.1	311.7	312.1	312.4	312.8	313.2	313.2	313.2	313.1	313.0	313.2
115°	360.0	360.1	360.0	359.8	359.7	359.5	359.8	360.1	360.4	360.7	360.9
117.5°	405.8	406.3	406.5	406.8	407.2	407.5	407.4	407.3	407.3	407.2	407.2
120°	436.3	436.6	436.4	436.3	436.2	436.0	436.3	436.6	436.9	437.2	437.2
122.5°	464.1	464.3	464.5	464.7	464.9	465.1	465.3	465.5	465.6	465.8	465.7
125°	505.9	506.0	505.7	505.5	505.2	504.9	505.3	505.7	506.1	506.5	506.9
127.5°	542.9	543.3	544.0	544.6	545.3	545.9	545.8	545.8	545.7	545.6	545.5
130°	567.9	568.2	568.6	569.1	569.5	569.9	570.1	570.2	570.3	570.5	570.5
132.5°	591.3	591.7	592.2	592.8	593.3	593.9	594.0	594.2	594.3	594.4	594.4
135°	624.2	624.4	624.9	625.5	626.1	626.6	626.9	627.2	627.5	627.8	628.0
137.5°	655.4	655.7	656.4	657.0	657.6	658.3	658.6	658.8	659.2	659.5	659.6
140°	676.2	676.5	676.8	677.1	677.4	677.6	678.1	678.5	678.9	679.3	679.6
142.5°	695.0	695.3	695.5	695.7	695.9	696.0	696.3	696.6	696.9	697.2	697.4
145°	722.0	722.3	722.3	722.3	722.3	722.3	722.4	722.5	722.7	722.8	723.0
147.5°	745.3	745.7	745.5	745.3	745.2	745.1	745.2	745.3	745.4	745.5	745.7
150°	760.2	760.4	760.3	760.2	760.0	759.9	759.9	759.9	759.9	759.9	759.9
152.5°	773.1	773.1	772.9	772.7	772.3	772.1	772.3	772.6	772.8	773.0	773.1
155°	790.4	790.3	789.9	789.4	789.0	788.6	789.1	789.7	790.3	790.8	790.9
157.5°	805.2	804.9	804.4	804.0	803.5	803.0	803.7	804.5	805.2	805.9	805.9
160°	813.0	812.7	812.6	812.4	812.3	812.1	813.0	813.8	814.7	815.5	815.5
162.5°	820.7	820.4	820.2	820.1	819.9	819.8	820.7	821.5	822.3	823.2	823.1
165°	830.4	830.0	830.0	830.0	830.0	830.0	831.1	832.3	833.4	834.5	834.5
167.5°	838.4	838.0	837.9	837.8	837.7	837.6	838.9	840.2	841.4	842.6	842.5
170°	842.5	842.2	842.3	842.4	842.6	842.8	843.8	845.0	846.1	847.3	847.1
172.5°	845.6	845.2	845.4	845.5	845.6	845.8	846.9	848.1	849.2	850.4	850.1
175°	848.9	848.6	848.7	848.8	849.0	849.1	850.4	851.7	853.0	854.2	854.0
177.5°	850.7	850.4	850.6	850.8	851.1	851.3	852.2	853.1	854.0	854.9	854.7
180°	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

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°	11.7	11.3	11.1	11.5	11.1	11.3	11.7	10.8	10.8	11.3	10.8
90°	18.3	18.6	18.8	19.2	18.8	18.6	18.3	18.0	17.4	16.6	15.7
92.5°	17.4	17.4	17.5	17.6	17.5	17.4	17.4	17.4	16.9	16.1	15.2
95°	18.1	18.2	18.3	18.5	18.3	18.2	18.1	17.9	17.4	16.6	15.7
97.5°	17.4	17.5	17.7	17.9	17.7	17.5	17.4	17.3	17.2	17.1	17.0
100°	17.4	17.5	17.7	17.9	17.7	17.5	17.4	17.3	18.4	20.8	23.2
102.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	31.2	57.2	83.2
105°	197.0	191.8	186.8	181.6	186.8	191.8	197.0	202.1	204.0	202.7	201.5
107.5°	251.6	252.1	252.7	253.2	252.7	252.1	251.6	251.0	250.5	249.8	249.2
110°	283.1	283.5	283.9	284.3	283.9	283.5	283.1	282.6	282.3	282.0	281.7



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	313.8	314.4	314.9	315.4	314.9	314.4	313.8	313.2	313.0	313.1	313.2
115°	360.9	360.9	360.9	360.9	360.9	360.9	360.9	360.9	360.7	360.4	360.1
117.5°	407.2	407.1	407.0	407.0	407.0	407.1	407.2	407.2	407.2	407.3	407.3
120°	436.9	436.6	436.3	436.0	436.3	436.6	436.9	437.2	437.2	436.9	436.6
122.5°	465.5	465.1	464.9	464.6	464.9	465.1	465.5	465.7	465.8	465.6	465.5
125°	507.0	507.1	507.3	507.4	507.3	507.1	507.0	506.9	506.5	506.1	505.7
127.5°	545.4	545.3	545.2	545.0	545.2	545.3	545.4	545.5	545.6	545.7	545.8
130°	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.3	570.2
132.5°	594.4	594.2	594.1	594.0	594.1	594.2	594.4	594.4	594.4	594.3	594.2
135°	628.4	628.6	628.9	629.2	628.9	628.6	628.4	628.0	627.8	627.5	627.2
137.5°	659.5	659.4	659.3	659.3	659.3	659.4	659.5	659.6	659.5	659.2	658.8
140°	679.8	679.9	680.0	680.2	680.0	679.9	679.8	679.6	679.3	678.9	678.5
142.5°	697.4	697.5	697.5	697.5	697.5	697.5	697.4	697.4	697.2	696.9	696.6
145°	723.3	723.6	723.9	724.1	723.9	723.6	723.3	723.0	722.8	722.7	722.5
147.5°	745.8	745.9	746.1	746.2	746.1	745.9	745.8	745.7	745.5	745.4	745.3
150°	760.1	760.2	760.3	760.5	760.3	760.2	760.1	759.9	759.9	759.9	759.9
152.5°	773.0	772.9	772.8	772.7	772.8	772.9	773.0	773.1	773.0	772.8	772.6
155°	790.4	790.0	789.6	789.2	789.6	790.0	790.4	790.9	790.8	790.3	789.7
157.5°	805.2	804.5	803.7	803.0	803.7	804.5	805.2	805.9	805.9	805.2	804.5
160°	814.7	813.8	813.0	812.1	813.0	813.8	814.7	815.5	815.5	814.7	813.8
162.5°	822.1	821.2	820.3	819.3	820.3	821.2	822.1	823.1	823.2	822.3	821.5
165°	833.2	831.9	830.6	829.3	830.6	831.9	833.2	834.5	834.5	833.4	832.3
167.5°	841.1	839.7	838.3	836.9	838.3	839.7	841.1	842.5	842.6	841.4	840.2
170°	845.7	844.3	842.9	841.5	842.9	844.3	845.7	847.1	847.3	846.1	845.0
172.5°	848.6	847.1	845.5	844.0	845.5	847.1	848.6	850.1	850.4	849.2	848.1
175°	852.3	850.6	848.9	847.2	848.9	850.6	852.3	854.0	854.2	853.0	851.7
177.5°	853.3	852.0	850.6	849.2	850.6	852.0	853.3	854.7	854.9	854.0	853.1
180°	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

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°	10.6	10.8	10.5	9.9	10.4	10.2	10.3	10.0	10.7	11.4	12.1
90°	14.8	14.0	12.9	11.7	10.6	9.5	8.2	6.6	5.1	3.5	1.9
92.5°	14.3	13.5	12.4	11.3	10.1	9.0	8.4	8.3	8.2	8.2	8.1
95°	14.8	14.0	13.9	13.8	13.6	13.5	15.8	20.6	25.4	30.2	35.1
97.5°	16.9	16.8	32.6	48.4	64.2	80.1	86.5	83.5	80.5	77.5	74.4
100°	25.6	28.0	47.6	67.2	86.7	106.2	114.7	112.2	109.7	107.1	104.5
102.5°	109.2	135.2	137.7	140.2	142.8	145.4	145.7	143.8	141.9	140.1	138.2
105°	200.2	198.9	198.2	197.5	196.7	196.1	195.3	194.4	193.6	192.7	191.8
107.5°	248.6	248.0	247.0	246.1	245.1	244.1	243.4	243.0	242.6	242.1	241.7
110°	281.4	281.1	280.3	279.4	278.6	277.7	277.1	276.6	276.2	275.8	275.4



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	313.2	313.2	312.8	312.4	312.1	311.7	311.1	310.3	309.6	308.8	308.0
115°	359.8	359.5	359.7	359.8	360.0	360.1	360.0	359.5	359.1	358.7	358.2
117.5°	407.4	407.5	407.2	406.8	406.5	406.3	405.8	405.2	404.6	404.1	403.5
120°	436.3	436.0	436.2	436.3	436.4	436.6	436.3	435.9	435.3	434.7	434.1
122.5°	465.3	465.1	464.9	464.7	464.5	464.3	464.1	463.7	463.3	463.0	462.7
125°	505.3	504.9	505.2	505.5	505.7	506.0	505.9	505.3	504.8	504.2	503.6
127.5°	545.8	545.9	545.3	544.6	544.0	543.3	542.9	542.8	542.7	542.5	542.3
130°	570.1	569.9	569.5	569.1	568.6	568.2	567.9	567.8	567.6	567.5	567.4
132.5°	594.0	593.9	593.3	592.8	592.2	591.7	591.3	591.1	590.8	590.5	590.3
135°	626.9	626.6	626.1	625.5	624.9	624.4	624.2	624.3	624.4	624.6	624.8
137.5°	658.6	658.3	657.6	657.0	656.4	655.7	655.4	655.3	655.3	655.3	655.2
140°	678.1	677.6	677.4	677.1	676.8	676.5	676.2	676.0	675.6	675.4	675.1
142.5°	696.3	696.0	695.9	695.7	695.5	695.3	695.0	694.5	694.0	693.4	692.9
145°	722.4	722.3	722.3	722.3	722.3	722.3	722.0	721.6	721.2	720.8	720.3
147.5°	745.2	745.1	745.2	745.3	745.5	745.7	745.3	744.5	743.7	743.0	742.2
150°	759.9	759.9	760.0	760.2	760.3	760.4	760.2	759.7	759.1	758.6	758.0
152.5°	772.3	772.1	772.3	772.7	772.9	773.1	773.1	772.6	772.1	771.7	771.2
155°	789.1	788.6	789.0	789.4	789.9	790.3	790.4	790.3	790.1	789.9	789.9
157.5°	803.7	803.0	803.5	804.0	804.4	804.9	805.2	805.3	805.4	805.4	805.5
160°	813.0	812.1	812.3	812.4	812.6	812.7	813.0	813.4	813.8	814.2	814.7
162.5°	820.7	819.8	819.9	820.1	820.2	820.4	820.7	821.3	821.7	822.3	822.9
165°	831.1	830.0	830.0	830.0	830.0	830.0	830.4	831.0	831.8	832.5	833.2
167.5°	838.9	837.6	837.7	837.8	837.9	838.0	838.4	839.1	839.8	840.6	841.3
170°	843.8	842.8	842.6	842.4	842.3	842.2	842.5	843.3	844.2	845.1	846.0
172.5°	846.9	845.8	845.6	845.5	845.4	845.2	845.6	846.4	847.3	848.2	849.0
175°	850.4	849.1	849.0	848.8	848.7	848.6	848.9	849.8	850.6	851.4	852.3
177.5°	852.2	851.3	851.1	850.8	850.6	850.4	850.7	851.4	852.2	853.0	853.9
180°	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3



TEST NUMBER: P332937-930

CATALOG NUMBER: SA4XXRDIP-C795D810U930-4F0-1E-UDD-A

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°	12.1	11.4	10.4	10.3	10.6	10.1	10.7	10.9	11.2	10.9	11.8
90°	3.5	5.1	6.6	8.2	9.5	10.6	11.7	12.9	14.0	14.8	15.7
92.5°	8.2	8.2	8.3	8.4	9.0	10.1	11.3	12.4	13.5	14.3	15.2
95°	30.2	25.4	20.6	15.8	13.5	13.6	13.8	13.9	14.0	14.8	15.7
97.5°	77.5	80.5	83.5	86.5	80.1	64.2	48.4	32.6	16.8	16.9	17.0
100°	107.1	109.7	112.2	114.7	106.2	86.7	67.2	47.6	28.0	25.6	23.2
102.5°	140.1	141.9	143.8	145.7	145.4	142.8	140.2	137.7	135.2	109.2	83.2
105°	192.7	193.6	194.4	195.3	196.1	196.7	197.5	198.2	198.9	200.2	201.5
107.5°	242.1	242.6	243.0	243.4	244.1	245.1	246.1	247.0	248.0	248.6	249.2
110°	275.8	276.2	276.6	277.1	277.7	278.6	279.4	280.3	281.1	281.4	281.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	308.8	309.6	310.3	311.1	311.7	312.1	312.4	312.8	313.2	313.2	313.2
115°	358.7	359.1	359.5	360.0	360.1	360.0	359.8	359.7	359.5	359.8	360.1
117.5°	404.1	404.6	405.2	405.8	406.3	406.5	406.8	407.2	407.5	407.4	407.3
120°	434.7	435.3	435.9	436.3	436.6	436.4	436.3	436.2	436.0	436.3	436.6
122.5°	463.0	463.3	463.7	464.1	464.3	464.5	464.7	464.9	465.1	465.3	465.5
125°	504.2	504.8	505.3	505.9	506.0	505.7	505.5	505.2	504.9	505.3	505.7
127.5°	542.5	542.7	542.8	542.9	543.3	544.0	544.6	545.3	545.9	545.8	545.8
130°	567.5	567.6	567.8	567.9	568.2	568.6	569.1	569.5	569.9	570.1	570.2
132.5°	590.5	590.8	591.1	591.3	591.7	592.2	592.8	593.3	593.9	594.0	594.2
135°	624.6	624.4	624.3	624.2	624.4	624.9	625.5	626.1	626.6	626.9	627.2
137.5°	655.3	655.3	655.3	655.4	655.7	656.4	657.0	657.6	658.3	658.6	658.8
140°	675.4	675.6	676.0	676.2	676.5	676.8	677.1	677.4	677.6	678.1	678.5
142.5°	693.4	694.0	694.5	695.0	695.3	695.5	695.7	695.9	696.0	696.3	696.6
145°	720.8	721.2	721.6	722.0	722.3	722.3	722.3	722.3	722.3	722.4	722.5
147.5°	743.0	743.7	744.5	745.3	745.7	745.5	745.3	745.2	745.1	745.2	745.3
150°	758.6	759.1	759.7	760.2	760.4	760.3	760.2	760.0	759.9	759.9	759.9
152.5°	771.7	772.1	772.6	773.1	773.1	772.9	772.7	772.3	772.1	772.3	772.6
155°	789.9	790.1	790.3	790.4	790.3	789.9	789.4	789.0	788.6	789.1	789.7
157.5°	805.4	805.4	805.3	805.2	804.9	804.4	804.0	803.5	803.0	803.7	804.5
160°	814.2	813.8	813.4	813.0	812.7	812.6	812.4	812.3	812.1	813.0	813.8
162.5°	822.3	821.7	821.3	820.7	820.4	820.2	820.1	819.9	819.8	820.7	821.5
165°	832.5	831.8	831.0	830.4	830.0	830.0	830.0	830.0	830.0	831.1	832.3
167.5°	840.6	839.8	839.1	838.4	838.0	837.9	837.8	837.7	837.6	838.9	840.2
170°	845.1	844.2	843.3	842.5	842.2	842.3	842.4	842.6	842.8	843.8	845.0
172.5°	848.2	847.3	846.4	845.6	845.2	845.4	845.5	845.6	845.8	846.9	848.1
175°	851.4	850.6	849.8	848.9	848.6	848.7	848.8	849.0	849.1	850.4	851.7
177.5°	853.0	852.2	851.4	850.7	850.4	850.6	850.8	851.1	851.3	852.2	853.1
180°	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3	852.3



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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°	11.3	11.1	11.6	11.3	11.3	11.1	11.5
90°	16.6	17.4	18.0	18.3	18.6	18.8	19.2
92.5°	16.1	16.9	17.4	17.4	17.4	17.5	17.6
95°	16.6	17.4	17.9	18.1	18.2	18.3	18.5
97.5°	17.1	17.2	17.3	17.4	17.5	17.7	17.9
100°	20.8	18.4	17.3	17.4	17.5	17.7	17.9
102.5°	57.2	31.2	18.3	18.3	18.3	18.3	18.3
105°	202.7	204.0	202.1	197.0	191.8	186.8	181.6
107.5°	249.8	250.5	251.0	251.6	252.1	252.7	253.2
110°	282.0	282.3	282.6	283.1	283.5	283.9	284.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	313.1	313.0	313.2	313.8	314.4	314.9	315.4
115°	360.4	360.7	360.9	360.9	360.9	360.9	360.9
117.5°	407.3	407.2	407.2	407.2	407.1	407.0	407.0
120°	436.9	437.2	437.2	436.9	436.6	436.3	436.0
122.5°	465.6	465.8	465.7	465.5	465.1	464.9	464.6
125°	506.1	506.5	506.9	507.0	507.1	507.3	507.4
127.5°	545.7	545.6	545.5	545.4	545.3	545.2	545.0
130°	570.3	570.5	570.5	570.5	570.5	570.5	570.5
132.5°	594.3	594.4	594.4	594.4	594.2	594.1	594.0
135°	627.5	627.8	628.0	628.4	628.6	628.9	629.2
137.5°	659.2	659.5	659.6	659.5	659.4	659.3	659.3
140°	678.9	679.3	679.6	679.8	679.9	680.0	680.2
142.5°	696.9	697.2	697.4	697.4	697.5	697.5	697.5
145°	722.7	722.8	723.0	723.3	723.6	723.9	724.1
147.5°	745.4	745.5	745.7	745.8	745.9	746.1	746.2
150°	759.9	759.9	759.9	760.1	760.2	760.3	760.5
152.5°	772.8	773.0	773.1	773.0	772.9	772.8	772.7
155°	790.3	790.8	790.9	790.4	790.0	789.6	789.2
157.5°	805.2	805.9	805.9	805.2	804.5	803.7	803.0
160°	814.7	815.5	815.5	814.7	813.8	813.0	812.1
162.5°	822.3	823.2	823.1	822.1	821.2	820.3	819.3
165°	833.4	834.5	834.5	833.2	831.9	830.6	829.3
167.5°	841.4	842.6	842.5	841.1	839.7	838.3	836.9
170°	846.1	847.3	847.1	845.7	844.3	842.9	841.5
172.5°	849.2	850.4	850.1	848.6	847.1	845.5	844.0
175°	853.0	854.2	854.0	852.3	850.6	848.9	847.2
177.5°	854.0	854.9	854.7	853.3	852.0	850.6	849.2
180°	852.3	852.3	852.3	852.3	852.3	852.3	852.3

(END OF REPORT)