

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: P332927-930

Luminaire Tested: **SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332927-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

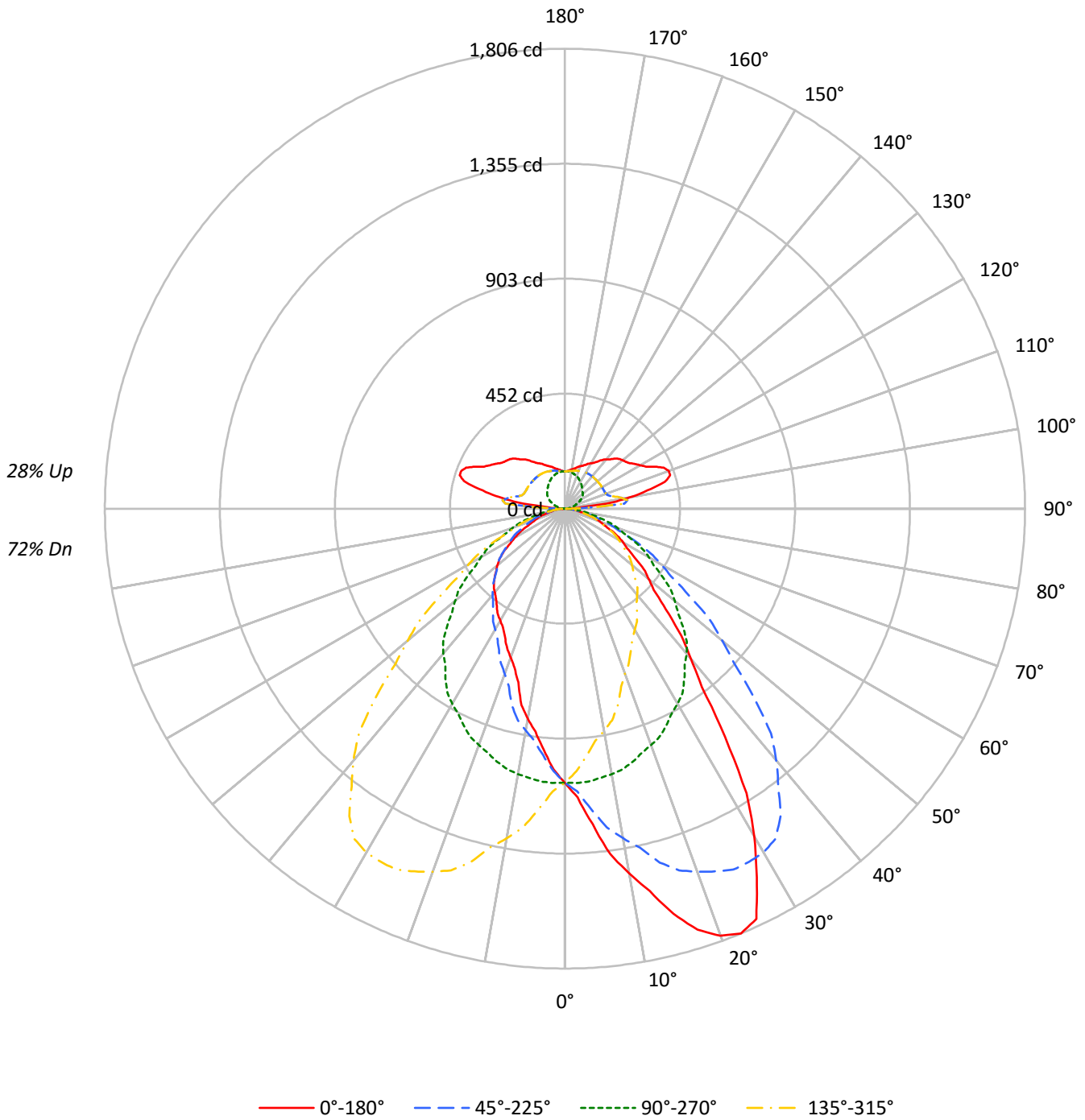
Lumens per Lamp: N/A
Luminaire Lumens: 3787.9 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35
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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	72				72
1	103	99	95	92	98	94	91	88	85	82	80	76	74	73	68	67	66	62				62
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	59	56	53				53
3	87	77	70	64	82	74	67	62	67	62	57	61	56	53	55	51	49	46				46
4	80	69	61	55	75	66	59	53	60	54	50	54	50	46	49	46	42	40				40
5	74	62	54	48	70	59	52	46	54	48	43	49	44	40	45	41	37	35				35
6	68	56	48	42	64	53	46	41	49	43	38	45	40	36	41	36	33	31				31
7	63	51	43	37	60	49	41	36	45	38	34	41	36	32	37	33	30	27				27
8	59	46	38	33	56	44	37	32	41	35	30	37	32	29	34	30	27	25				25
9	55	42	35	30	52	41	34	29	38	32	27	35	29	26	32	27	24	22				22
10	51	39	32	27	49	38	31	26	35	29	25	32	27	23	30	25	22	20				20

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	2.8
10°-20°	314.5	8.3
20°-30°	492.0	13.0
30°-40°	546.9	14.4
40°-50°	485.2	12.8
50°-60°	378.1	10.0
60°-70°	247.6	6.5
70°-80°	121.7	3.2
80°-90°	30.8	0.8
90°-100°	105.9	2.8
100°-110°	220.5	5.8
110°-120°	197.5	5.2
120°-130°	166.1	4.4
130°-140°	138.5	3.7
140°-150°	105.8	2.8
150°-160°	74.4	2.0
160°-170°	43.7	1.2
170°-180°	14.2	0.4
0°-30°	910.8	24.0
0°-40°	1457.7	38.5
0°-60°	2321.1	61.3
0°-90°	2721.2	71.8
90°-120°	523.9	13.8
90°-150°	934.3	24.7
90°-180°	1067.0	28.2
0°-180°	3787.9	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°	6	0	6	0	6	6
95°	70	10	70	10	70	109
105°	405	34	405	34	405	401
115°	389	59	389	59	389	386
125°	311	83	311	83	311	282
135°	278	98	278	98	278	214
145°	227	113	227	113	227	144
155°	190	129	190	129	190	89
165°	166	140	166	140	166	47
175°	149	146	149	146	149	15
180°	147	147	147	147	147	



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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°	8.8	8.5	8.9	8.8	9.1	8.8	9.0	9.7	9.0	9.4	9.2
90°	6.0	6.0	6.4	6.0	5.8	5.8	5.5	5.2	4.9	5.2	4.6
92.5°	22.2	22.2	23.2	24.7	28.1	33.9	42.6	56.6	76.1	91.4	80.0
95°	70.3	74.0	79.2	88.1	102.3	130.2	168.8	213.5	241.5	234.8	177.2
97.5°	187.9	194.0	202.6	219.9	240.6	270.7	298.9	315.4	303.4	247.4	165.8
100°	264.2	266.5	275.2	292.8	317.8	339.2	353.3	347.5	305.4	231.7	150.4
102.5°	330.6	332.5	341.6	354.3	369.7	378.5	374.5	345.9	288.1	212.1	140.1
105°	405.4	407.2	411.2	413.5	412.9	401.1	372.6	322.7	256.7	189.0	131.1
107.5°	433.2	432.4	429.6	423.0	408.8	383.0	342.9	289.8	231.4	176.1	129.5
110°	433.7	431.0	425.9	413.8	393.3	361.7	319.8	270.0	218.7	171.7	130.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	420.0	415.9	408.6	394.0	370.7	339.0	299.5	255.4	211.6	169.7	131.3
115°	389.3	387.0	377.7	360.4	337.7	310.1	276.3	240.9	204.9	168.6	134.0
117.5°	358.1	356.3	347.0	332.5	313.1	289.6	263.1	233.7	201.9	168.3	136.8
120°	340.6	337.5	330.0	317.2	300.8	280.4	257.3	230.5	200.2	168.3	138.9
122.5°	326.8	323.6	317.2	306.4	292.5	274.6	253.6	227.7	198.4	168.0	141.0
125°	310.6	308.9	303.5	295.1	283.6	267.7	247.8	223.1	195.3	167.7	144.1
127.5°	301.2	299.5	294.8	287.4	275.8	260.8	240.9	217.3	191.3	167.1	146.6
130°	295.6	293.9	289.3	282.1	270.3	255.0	235.5	212.6	188.7	166.8	148.4
132.5°	289.4	287.7	283.3	275.2	263.6	248.3	229.2	207.8	186.5	166.6	150.0
135°	277.8	276.1	271.4	263.3	251.8	237.4	219.9	201.1	183.0	166.2	152.5
137.5°	263.3	261.3	257.5	249.6	238.7	225.8	210.9	195.1	180.0	166.2	153.8
140°	253.0	250.7	246.6	240.4	230.2	218.1	205.1	191.6	178.4	166.0	155.0
142.5°	241.9	240.4	236.8	230.9	221.9	211.4	200.3	188.4	177.0	166.0	156.0
145°	226.7	225.3	222.4	217.5	210.3	202.3	193.6	183.8	174.6	165.4	156.5
147.5°	213.4	212.8	210.7	206.4	201.1	194.8	187.8	180.1	172.5	164.4	156.8
150°	205.7	205.5	203.7	200.0	195.3	190.2	184.4	177.8	170.9	163.6	156.8
152.5°	198.9	198.5	197.5	194.4	190.5	186.3	181.0	175.3	169.0	162.5	156.3
155°	189.9	189.9	189.0	186.7	183.8	180.3	176.0	171.5	166.2	160.8	155.6
157.5°	182.1	182.1	181.6	179.8	177.7	174.9	171.2	167.4	163.5	159.0	154.8
160°	177.2	177.2	176.9	175.2	173.5	171.1	168.0	164.9	161.3	157.6	154.2
162.5°	172.6	172.8	172.5	170.8	169.6	167.5	165.0	162.3	159.6	156.2	153.4
165°	165.7	166.0	166.2	165.1	164.0	162.5	160.5	158.7	156.5	154.2	152.1
167.5°	160.2	160.5	160.5	159.7	159.1	158.3	156.7	155.4	153.7	152.1	150.7
170°	156.8	156.8	157.0	156.8	156.2	155.3	154.2	153.3	151.9	150.7	149.9
172.5°	153.3	153.8	154.0	153.8	153.4	152.8	152.1	151.5	150.3	149.3	149.0
175°	149.3	149.9	150.4	149.9	149.9	149.9	149.3	149.0	148.4	147.8	147.8
177.5°	146.9	147.3	147.8	147.6	147.8	147.6	147.6	147.3	147.2	146.9	146.9
180°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7



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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°	9.1	8.8	9.1	9.1	9.5	10.8	11.7	11.8	10.9	10.0	9.0
90°	4.0	4.0	2.3	2.3	2.0	1.7	0.9	0.3	0.9	1.7	2.0
92.5°	58.2	35.9	21.2	15.2	11.0	7.5	4.8	3.3	4.8	7.5	11.0
95°	108.4	61.1	36.0	23.9	17.0	13.3	10.4	9.5	10.4	13.3	17.0
97.5°	97.4	58.4	39.1	28.9	23.0	19.6	17.0	17.0	17.0	19.6	23.0
100°	91.6	59.1	42.1	32.9	27.4	23.9	21.9	21.9	21.9	23.9	27.4
102.5°	90.0	61.4	46.0	37.3	32.0	28.8	27.0	26.5	27.0	28.8	32.0
105°	90.7	66.9	53.0	44.7	39.5	36.0	34.6	33.8	34.6	36.0	39.5
107.5°	95.1	73.2	60.6	52.3	47.4	43.7	42.2	41.7	42.2	43.7	47.4
110°	98.2	78.1	65.4	57.6	52.4	49.0	47.5	47.0	47.5	49.0	52.4



TEST NUMBER: P332927-930

CATALOG NUMBER: SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	101.7	82.7	70.4	62.7	57.5	54.3	52.6	52.0	52.6	54.3	57.5
115°	107.2	89.9	78.4	70.6	65.1	62.2	60.3	59.4	60.3	62.2	65.1
117.5°	112.8	96.9	85.9	77.9	72.7	69.5	67.8	66.9	67.8	69.5	72.7
120°	116.7	101.7	90.7	82.7	77.8	74.6	72.6	72.1	72.6	74.6	77.8
122.5°	120.4	106.3	95.4	87.6	82.2	79.2	77.2	76.6	77.2	79.2	82.2
125°	125.9	112.7	102.3	94.2	88.8	85.6	83.8	82.7	83.8	85.6	88.8
127.5°	130.7	118.5	108.5	100.4	94.7	91.1	88.9	88.1	88.9	91.1	94.7
130°	133.7	122.5	112.7	104.3	98.8	94.5	92.2	91.1	92.2	94.5	98.8
132.5°	136.7	125.7	115.9	108.0	102.1	98.0	95.0	94.1	95.0	98.0	102.1
135°	140.6	130.2	120.7	113.2	107.2	102.3	99.4	98.2	99.4	102.3	107.2
137.5°	143.4	133.7	124.8	117.6	111.4	106.7	103.5	102.5	103.5	106.7	111.4
140°	145.2	136.0	127.3	120.4	114.4	109.5	106.3	105.5	106.3	109.5	114.4
142.5°	146.6	138.1	129.6	122.9	117.2	112.5	109.6	108.7	109.6	112.5	117.2
145°	148.1	140.3	132.8	126.5	121.0	117.0	114.1	113.2	114.1	117.0	121.0
147.5°	149.4	142.6	135.6	129.9	125.3	121.2	118.6	118.4	118.6	121.2	125.3
150°	150.1	143.8	137.5	132.0	127.7	124.2	121.9	121.6	121.9	124.2	127.7
152.5°	150.6	144.7	139.1	134.0	130.2	126.9	124.7	124.6	124.7	126.9	130.2
155°	151.0	146.1	141.2	136.9	133.7	130.9	129.1	128.8	129.1	130.9	133.7
157.5°	151.0	147.1	142.9	139.5	136.7	134.5	132.9	132.9	132.9	134.5	136.7
160°	151.0	147.6	144.1	140.9	138.6	136.6	135.4	135.4	135.4	136.6	138.6
162.5°	151.0	148.0	144.8	142.3	140.2	138.4	137.5	137.7	137.5	138.4	140.2
165°	150.4	148.1	145.5	143.8	142.4	140.9	140.3	140.3	140.3	140.9	142.4
167.5°	149.7	148.1	146.2	144.8	144.0	142.9	142.6	142.9	142.6	142.9	144.0
170°	149.3	147.8	146.3	145.5	145.0	144.1	143.8	144.1	143.8	144.1	145.0
172.5°	148.8	147.6	146.6	145.9	145.6	145.0	145.0	145.2	145.0	145.0	145.6
175°	148.1	147.2	146.7	146.7	146.3	146.1	146.1	146.3	146.1	146.1	146.3
177.5°	147.3	146.9	146.7	146.7	146.7	146.4	146.7	146.9	146.7	146.4	146.7
180°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7



TEST NUMBER: P332927-930

CATALOG NUMBER: SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1056.8	1053.3	1048.8	1043.6	1037.4	1031.8	1029.4	1031.4	1032.5	1029.7	1029.4
5°	1024.6	1013.7	1005.1	992.1	981.7	973.0	966.9	964.3	965.2	958.3	956.5
7.5°	988.5	975.6	961.4	946.0	931.6	918.8	912.2	908.5	901.2	898.0	892.7
10°	965.2	947.9	934.0	915.7	899.3	884.1	876.8	870.7	863.3	859.8	852.5
12.5°	941.3	921.1	905.9	887.0	870.2	851.8	844.8	833.6	822.1	814.7	805.3
15°	907.5	883.3	864.6	842.0	822.1	801.3	782.7	761.8	754.1	737.6	728.1
17.5°	868.0	843.4	820.4	790.1	759.4	733.5	713.6	693.7	681.8	671.2	666.3
20°	842.0	819.5	787.4	752.3	718.0	689.4	673.4	660.4	647.3	640.0	634.8
22.5°	817.4	788.6	751.4	713.5	679.2	656.8	643.2	629.8	619.3	612.3	605.3
25°	776.2	738.4	699.0	655.6	632.2	612.7	597.9	587.1	580.6	571.5	568.0
27.5°	733.8	688.0	644.5	615.4	591.0	573.2	560.3	552.1	543.9	538.1	533.6
30°	701.2	654.8	615.7	588.0	563.3	548.5	538.1	528.6	522.0	517.3	513.8
32.5°	668.9	622.5	589.7	559.9	540.4	525.9	514.9	507.8	502.6	496.5	494.4
35°	622.2	581.1	552.4	525.5	505.6	492.6	483.9	476.5	472.2	470.4	469.1
37.5°	577.4	543.6	512.9	490.8	473.0	462.8	452.6	449.0	446.0	442.9	444.3
40°	548.9	517.3	490.0	466.6	452.2	441.0	434.9	430.6	428.0	428.0	428.0
42.5°	524.3	493.3	466.8	445.7	431.5	421.9	415.2	411.5	410.6	410.3	412.4
45°	486.1	457.5	430.6	413.2	401.0	391.5	387.7	384.6	384.6	386.4	386.8
47.5°	448.2	421.3	399.8	380.3	369.2	363.3	359.9	358.3	358.5	360.3	362.2
50°	424.9	398.5	377.2	359.9	349.5	343.8	340.8	340.0	340.8	340.8	343.8
52.5°	399.6	375.9	355.1	340.5	328.6	323.3	321.7	320.5	321.1	322.5	323.8
55°	362.5	341.3	321.3	307.4	298.7	295.3	291.4	291.8	291.0	291.8	291.8
57.5°	325.3	306.2	287.6	276.6	269.0	264.0	259.8	261.0	259.7	259.5	258.8
60°	301.3	280.5	265.8	255.8	247.1	242.8	238.9	239.8	238.5	237.6	235.9
62.5°	275.3	258.0	243.9	234.3	227.4	222.3	218.4	217.6	214.6	211.6	207.8
65°	237.6	223.3	210.8	201.6	195.1	191.2	188.2	185.6	179.0	172.1	168.7
67.5°	201.0	190.6	178.9	171.2	165.9	160.8	155.0	150.6	144.5	140.6	138.5
70°	177.3	167.4	157.4	150.0	144.4	139.7	133.1	130.1	125.7	124.0	121.8
72.5°	154.8	145.5	136.2	129.6	123.6	119.8	114.7	111.7	109.8	109.1	107.0
75°	120.6	113.2	106.2	100.2	95.4	92.8	90.7	88.5	87.6	83.6	81.5
77.5°	88.0	83.1	78.8	74.4	71.0	69.3	65.1	62.6	61.1	59.4	58.9
80°	68.5	65.1	60.7	58.1	53.3	51.6	49.9	49.4	49.0	48.6	48.1
82.5°	51.5	48.0	43.7	42.2	40.8	39.8	38.7	38.3	37.9	38.2	38.1
85°	26.0	24.3	24.3	23.9	23.4	23.0	22.6	22.6	22.1	22.6	22.1
87.5°	9.1	8.8	9.1	8.4	8.9	9.0	8.6	8.6	9.0	8.4	8.4
90°	2.3	2.3	4.0	4.0	4.6	5.2	4.9	5.2	5.5	5.8	5.8
92.5°	15.2	21.2	35.9	58.2	80.0	91.4	76.1	56.6	42.6	33.9	28.1
95°	23.9	36.0	61.1	108.4	177.2	234.8	241.5	213.5	168.8	130.2	102.3
97.5°	28.9	39.1	58.4	97.4	165.8	247.4	303.4	315.4	298.9	270.7	240.6
100°	32.9	42.1	59.1	91.6	150.4	231.7	305.4	347.5	353.3	339.2	317.8
102.5°	37.3	46.0	61.4	90.0	140.1	212.1	288.1	345.9	374.5	378.5	369.7
105°	44.7	53.0	66.9	90.7	131.1	189.0	256.7	322.7	372.6	401.1	412.9
107.5°	52.3	60.6	73.2	95.1	129.5	176.1	231.4	289.8	342.9	383.0	408.8
110°	57.6	65.4	78.1	98.2	130.0	171.7	218.7	270.0	319.8	361.7	393.3



TEST NUMBER: P332927-930

CATALOG NUMBER: SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	62.7	70.4	82.7	101.7	131.3	169.7	211.6	255.4	299.5	339.0	370.7
115°	70.6	78.4	89.9	107.2	134.0	168.6	204.9	240.9	276.3	310.1	337.7
117.5°	77.9	85.9	96.9	112.8	136.8	168.3	201.9	233.7	263.1	289.6	313.1
120°	82.7	90.7	101.7	116.7	138.9	168.3	200.2	230.5	257.3	280.4	300.8
122.5°	87.6	95.4	106.3	120.4	141.0	168.0	198.4	227.7	253.6	274.6	292.5
125°	94.2	102.3	112.7	125.9	144.1	167.7	195.3	223.1	247.8	267.7	283.6
127.5°	100.4	108.5	118.5	130.7	146.6	167.1	191.3	217.3	240.9	260.8	275.8
130°	104.3	112.7	122.5	133.7	148.4	166.8	188.7	212.6	235.5	255.0	270.3
132.5°	108.0	115.9	125.7	136.7	150.0	166.6	186.5	207.8	229.2	248.3	263.6
135°	113.2	120.7	130.2	140.6	152.5	166.2	183.0	201.1	219.9	237.4	251.8
137.5°	117.6	124.8	133.7	143.4	153.8	166.2	180.0	195.1	210.9	225.8	238.7
140°	120.4	127.3	136.0	145.2	155.0	166.0	178.4	191.6	205.1	218.1	230.2
142.5°	122.9	129.6	138.1	146.6	156.0	166.0	177.0	188.4	200.3	211.4	221.9
145°	126.5	132.8	140.3	148.1	156.5	165.4	174.6	183.8	193.6	202.3	210.3
147.5°	129.9	135.6	142.6	149.4	156.8	164.4	172.5	180.1	187.8	194.8	201.1
150°	132.0	137.5	143.8	150.1	156.8	163.6	170.9	177.8	184.4	190.2	195.3
152.5°	134.0	139.1	144.7	150.6	156.3	162.5	169.0	175.3	181.0	186.3	190.5
155°	136.9	141.2	146.1	151.0	155.6	160.8	166.2	171.5	176.0	180.3	183.8
157.5°	139.5	142.9	147.1	151.0	154.8	159.0	163.5	167.4	171.2	174.9	177.7
160°	140.9	144.1	147.6	151.0	154.2	157.6	161.3	164.9	168.0	171.1	173.5
162.5°	142.3	144.8	148.0	151.0	153.4	156.2	159.6	162.3	165.0	167.5	169.6
165°	143.8	145.5	148.1	150.4	152.1	154.2	156.5	158.7	160.5	162.5	164.0
167.5°	144.8	146.2	148.1	149.7	150.7	152.1	153.7	155.4	156.7	158.3	159.1
170°	145.5	146.3	147.8	149.3	149.9	150.7	151.9	153.3	154.2	155.3	156.2
172.5°	145.9	146.6	147.6	148.8	149.0	149.3	150.3	151.5	152.1	152.8	153.4
175°	146.7	146.7	147.2	148.1	147.8	147.8	148.4	149.0	149.3	149.9	149.9
177.5°	146.7	146.7	146.9	147.3	146.9	146.9	147.2	147.3	147.6	147.6	147.8
180°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7



TEST NUMBER: P332927-930

CATALOG NUMBER: SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1027.3	1028.0	1025.6	1024.8	1025.6	1028.0	1027.3	1029.4	1029.7	1032.5	1031.4
5°	953.1	952.2	950.1	950.5	950.1	952.2	953.1	956.5	958.3	965.2	964.3
7.5°	889.6	886.2	887.1	883.7	887.1	886.2	889.6	892.7	898.0	901.2	908.5
10°	850.8	846.0	842.0	838.6	842.0	846.0	850.8	852.5	859.8	863.3	870.7
12.5°	797.7	793.6	788.3	789.4	788.3	793.6	797.7	805.3	814.7	822.1	833.6
15°	722.4	715.9	705.5	706.8	705.5	715.9	722.4	728.1	737.6	754.1	761.8
17.5°	658.7	658.8	654.0	655.1	654.0	658.8	658.7	666.3	671.2	681.8	693.7
20°	625.7	622.6	623.1	621.8	623.1	622.6	625.7	634.8	640.0	647.3	660.4
22.5°	602.8	599.1	596.1	593.4	596.1	599.1	602.8	605.3	612.3	619.3	629.8
25°	564.1	561.5	557.6	556.8	557.6	561.5	564.1	568.0	571.5	580.6	587.1
27.5°	530.1	529.6	528.1	526.0	528.1	529.6	530.1	533.6	538.1	543.9	552.1
30°	510.4	509.5	508.6	507.3	508.6	509.5	510.4	513.8	517.3	522.0	528.6
32.5°	492.7	492.1	491.3	491.4	491.3	492.1	492.7	494.4	496.5	502.6	507.8
35°	467.4	467.0	466.1	465.7	466.1	467.0	467.4	469.1	470.4	472.2	476.5
37.5°	443.8	445.0	444.4	444.3	444.4	445.0	443.8	444.3	442.9	446.0	449.0
40°	427.5	428.0	428.8	428.4	428.8	428.0	427.5	428.0	428.0	428.0	430.6
42.5°	414.0	414.1	415.3	413.8	415.3	414.1	414.0	412.4	410.3	410.6	411.5
45°	389.8	392.4	392.0	392.0	392.0	392.4	389.8	386.8	386.4	384.6	384.6
47.5°	363.4	365.6	366.2	366.2	366.2	365.6	363.4	362.2	360.3	358.5	358.3
50°	346.0	345.1	346.4	346.0	346.4	345.1	346.0	343.8	340.8	340.8	340.0
52.5°	324.9	325.1	325.0	324.5	325.0	325.1	324.9	323.8	322.5	321.1	320.5
55°	292.3	292.7	291.8	292.3	291.8	292.7	292.3	291.8	291.8	291.0	291.8
57.5°	256.9	254.8	255.7	254.6	255.7	254.8	256.9	258.8	259.5	259.7	261.0
60°	231.5	228.0	227.2	225.5	227.2	228.0	231.5	235.9	237.6	238.5	239.8
62.5°	203.1	200.6	197.7	199.1	197.7	200.6	203.1	207.8	211.6	214.6	217.6
65°	165.2	163.5	162.2	163.9	162.2	163.5	165.2	168.7	172.1	179.0	185.6
67.5°	136.7	135.8	135.8	134.9	135.8	135.8	136.7	138.5	140.6	144.5	150.6
70°	121.8	120.6	120.6	119.7	120.6	120.6	121.8	121.8	124.0	125.7	130.1
72.5°	106.6	105.3	105.7	105.1	105.7	105.3	106.6	107.0	109.1	109.8	111.7
75°	78.9	76.7	76.7	77.2	76.7	76.7	78.9	81.5	83.6	87.6	88.5
77.5°	58.9	58.5	59.0	58.3	59.0	58.5	58.9	58.9	59.4	61.1	62.6
80°	48.1	47.7	47.3	48.6	47.3	47.7	48.1	48.1	48.6	49.0	49.4
82.5°	37.3	37.3	37.2	38.9	37.2	37.3	37.3	38.1	38.2	37.9	38.3
85°	22.6	21.7	22.6	21.7	22.6	21.7	22.6	22.1	22.6	22.1	22.6
87.5°	9.2	8.9	8.5	8.8	8.5	8.9	9.2	8.4	8.4	9.0	8.6
90°	6.0	6.4	6.0	6.0	6.0	6.4	6.0	5.8	5.8	5.5	5.2
92.5°	24.7	23.2	22.2	22.2	22.2	23.2	24.7	28.1	33.9	42.6	56.6
95°	88.1	79.2	74.0	70.3	74.0	79.2	88.1	102.3	130.2	168.8	213.5
97.5°	219.9	202.6	194.0	187.9	194.0	202.6	219.9	240.6	270.7	298.9	315.4
100°	292.8	275.2	266.5	264.2	266.5	275.2	292.8	317.8	339.2	353.3	347.5
102.5°	354.3	341.6	332.5	330.6	332.5	341.6	354.3	369.7	378.5	374.5	345.9
105°	413.5	411.2	407.2	405.4	407.2	411.2	413.5	412.9	401.1	372.6	322.7
107.5°	423.0	429.6	432.4	433.2	432.4	429.6	423.0	408.8	383.0	342.9	289.8
110°	413.8	425.9	431.0	433.7	431.0	425.9	413.8	393.3	361.7	319.8	270.0



TEST NUMBER: P332927-930

CATALOG NUMBER: SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	394.0	408.6	415.9	420.0	415.9	408.6	394.0	370.7	339.0	299.5	255.4
115°	360.4	377.7	387.0	389.3	387.0	377.7	360.4	337.7	310.1	276.3	240.9
117.5°	332.5	347.0	356.3	358.1	356.3	347.0	332.5	313.1	289.6	263.1	233.7
120°	317.2	330.0	337.5	340.6	337.5	330.0	317.2	300.8	280.4	257.3	230.5
122.5°	306.4	317.2	323.6	326.8	323.6	317.2	306.4	292.5	274.6	253.6	227.7
125°	295.1	303.5	308.9	310.6	308.9	303.5	295.1	283.6	267.7	247.8	223.1
127.5°	287.4	294.8	299.5	301.2	299.5	294.8	287.4	275.8	260.8	240.9	217.3
130°	282.1	289.3	293.9	295.6	293.9	289.3	282.1	270.3	255.0	235.5	212.6
132.5°	275.2	283.3	287.7	289.4	287.7	283.3	275.2	263.6	248.3	229.2	207.8
135°	263.3	271.4	276.1	277.8	276.1	271.4	263.3	251.8	237.4	219.9	201.1
137.5°	249.6	257.5	261.3	263.3	261.3	257.5	249.6	238.7	225.8	210.9	195.1
140°	240.4	246.6	250.7	253.0	250.7	246.6	240.4	230.2	218.1	205.1	191.6
142.5°	230.9	236.8	240.4	241.9	240.4	236.8	230.9	221.9	211.4	200.3	188.4
145°	217.5	222.4	225.3	226.7	225.3	222.4	217.5	210.3	202.3	193.6	183.8
147.5°	206.4	210.7	212.8	213.4	212.8	210.7	206.4	201.1	194.8	187.8	180.1
150°	200.0	203.7	205.5	205.7	205.5	203.7	200.0	195.3	190.2	184.4	177.8
152.5°	194.4	197.5	198.5	198.9	198.5	197.5	194.4	190.5	186.3	181.0	175.3
155°	186.7	189.0	189.9	189.9	189.9	189.0	186.7	183.8	180.3	176.0	171.5
157.5°	179.8	181.6	182.1	182.1	182.1	181.6	179.8	177.7	174.9	171.2	167.4
160°	175.2	176.9	177.2	177.2	177.2	176.9	175.2	173.5	171.1	168.0	164.9
162.5°	170.8	172.5	172.8	172.6	172.8	172.5	170.8	169.6	167.5	165.0	162.3
165°	165.1	166.2	166.0	165.7	166.0	166.2	165.1	164.0	162.5	160.5	158.7
167.5°	159.7	160.5	160.5	160.2	160.5	160.5	159.7	159.1	158.3	156.7	155.4
170°	156.8	157.0	156.8	156.8	156.8	157.0	156.8	156.2	155.3	154.2	153.3
172.5°	153.8	154.0	153.8	153.3	153.8	154.0	153.8	153.4	152.8	152.1	151.5
175°	149.9	150.4	149.9	149.3	149.9	150.4	149.9	149.9	149.9	149.3	149.0
177.5°	147.6	147.8	147.3	146.9	147.3	147.8	147.6	147.8	147.6	147.6	147.3
180°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7



TEST NUMBER: P332927-930

CATALOG NUMBER: SA4XXRDIP-C795D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1029.4	1031.8	1037.4	1043.6	1048.8	1053.3	1056.8	1061.6	1066.2	1072.4	1078.3
5°	966.9	973.0	981.7	992.1	1005.1	1013.7	1024.6	1034.1	1048.0	1061.9	1075.4
7.5°	912.2	918.8	931.6	946.0	961.4	975.6	988.5	1005.3	1023.7	1043.8	1066.4
10°	876.8	884.1	899.3	915.7	934.0	947.9	965.2	985.1	1006.0	1030.7	1058.4
12.5°	844.8	851.8	870.2	887.0	905.9	921.1	941.3	961.6	989.3	1016.1	1047.7
15°	782.7	801.3	822.1	842.0	864.6	883.3	907.5	928.4	954.8	992.5	1028.5
17.5°	713.6	733.5	759.4	790.1	820.4	843.4	868.0	893.9	925.4	963.9	1005.4
20°	673.4	689.4	718.0	752.3	787.4	819.5	842.0	870.7	903.2	944.9	987.7
22.5°	643.2	656.8	679.2	713.5	751.4	788.6	817.4	845.7	881.7	923.3	970.0
25°	597.9	612.7	632.2	655.6	699.0	738.4	776.2	808.7	846.9	888.4	940.5
27.5°	560.3	573.2	591.0	615.4	644.5	688.0	733.8	770.9	810.0	854.7	906.8
30°	538.1	548.5	563.3	588.0	615.7	654.8	701.2	744.5	784.0	830.4	884.5
32.5°	514.9	525.9	540.4	559.9	589.7	622.5	668.9	716.4	758.3	805.8	858.9
35°	483.9	492.6	505.6	525.5	552.4	581.1	622.2	671.2	715.4	766.2	816.9
37.5°	452.6	462.8	473.0	490.8	512.9	543.6	577.4	627.5	676.5	722.8	772.3
40°	434.9	441.0	452.2	466.6	490.0	517.3	548.9	597.9	646.9	692.9	742.7
42.5°	415.2	421.9	431.5	445.7	466.8	493.3	524.3	566.7	617.8	662.3	707.8
45°	387.7	391.5	401.0	413.2	430.6	457.5	486.1	523.8	571.9	614.4	654.3
47.5°	359.9	363.3	369.2	380.3	399.8	421.3	448.2	482.0	524.2	566.7	600.5
50°	340.8	343.8	349.5	359.9	377.2	398.5	424.9	455.3	493.0	533.8	562.0
52.5°	321.7	323.3	328.6	340.5	355.1	375.9	399.6	427.5	462.8	496.7	525.2
55°	291.4	295.3	298.7	307.4	321.3	341.3	362.5	389.0	416.3	444.9	469.1
57.5°	259.8	264.0	269.0	276.6	287.6	306.2	325.3	346.7	370.1	393.8	414.2
60°	238.9	242.8	247.1	255.8	265.8	280.5	301.3	320.0	337.8	359.5	379.8
62.5°	218.4	222.3	227.4	234.3	243.9	258.0	275.3	291.6	310.1	329.0	344.1
65°	188.2	191.2	195.1	201.6	210.8	223.3	237.6	250.2	266.7	280.5	294.4
67.5°	155.0	160.8	165.9	171.2	178.9	190.6	201.0	213.0	224.2	234.5	247.1
70°	133.1	139.7	144.4	150.0	157.4	167.4	177.3	185.6	194.7	204.6	216.0
72.5°	114.7	119.8	123.6	129.6	136.2	145.5	154.8	161.7	169.0	175.9	186.8
75°	90.7	92.8	95.4	100.2	106.2	113.2	120.6	126.6	130.9	137.1	144.8
77.5°	65.1	69.3	71.0	74.4	78.8	83.1	88.0	93.0	97.2	99.4	105.3
80°	49.9	51.6	53.3	58.1	60.7	65.1	68.5	73.3	75.0	77.2	82.8
82.5°	38.7	39.8	40.8	42.2	43.7	48.0	51.5	54.5	56.3	57.1	61.3
85°	22.6	23.0	23.4	23.9	24.3	24.3	26.0	28.2	31.2	31.2	32.5
87.5°	8.6	9.0	8.9	8.4	9.1	8.8	9.1	9.0	10.0	10.9	11.8
90°	4.9	5.2	4.6	4.0	4.0	2.3	2.3	2.0	1.7	0.9	0.3
92.5°	76.1	91.4	80.0	58.2	35.9	21.2	15.2	11.0	7.5	4.8	3.3
95°	241.5	234.8	177.2	108.4	61.1	36.0	23.9	17.0	13.3	10.4	9.5
97.5°	303.4	247.4	165.8	97.4	58.4	39.1	28.9	23.0	19.6	17.0	17.0
100°	305.4	231.7	150.4	91.6	59.1	42.1	32.9	27.4	23.9	21.9	21.9
102.5°	288.1	212.1	140.1	90.0	61.4	46.0	37.3	32.0	28.8	27.0	26.5
105°	256.7	189.0	131.1	90.7	66.9	53.0	44.7	39.5	36.0	34.6	33.8
107.5°	231.4	176.1	129.5	95.1	73.2	60.6	52.3	47.4	43.7	42.2	41.7
110°	218.7	171.7	130.0	98.2	78.1	65.4	57.6	52.4	49.0	47.5	47.0



TEST NUMBER: P332927-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	211.6	169.7	131.3	101.7	82.7	70.4	62.7	57.5	54.3	52.6	52.0
115°	204.9	168.6	134.0	107.2	89.9	78.4	70.6	65.1	62.2	60.3	59.4
117.5°	201.9	168.3	136.8	112.8	96.9	85.9	77.9	72.7	69.5	67.8	66.9
120°	200.2	168.3	138.9	116.7	101.7	90.7	82.7	77.8	74.6	72.6	72.1
122.5°	198.4	168.0	141.0	120.4	106.3	95.4	87.6	82.2	79.2	77.2	76.6
125°	195.3	167.7	144.1	125.9	112.7	102.3	94.2	88.8	85.6	83.8	82.7
127.5°	191.3	167.1	146.6	130.7	118.5	108.5	100.4	94.7	91.1	88.9	88.1
130°	188.7	166.8	148.4	133.7	122.5	112.7	104.3	98.8	94.5	92.2	91.1
132.5°	186.5	166.6	150.0	136.7	125.7	115.9	108.0	102.1	98.0	95.0	94.1
135°	183.0	166.2	152.5	140.6	130.2	120.7	113.2	107.2	102.3	99.4	98.2
137.5°	180.0	166.2	153.8	143.4	133.7	124.8	117.6	111.4	106.7	103.5	102.5
140°	178.4	166.0	155.0	145.2	136.0	127.3	120.4	114.4	109.5	106.3	105.5
142.5°	177.0	166.0	156.0	146.6	138.1	129.6	122.9	117.2	112.5	109.6	108.7
145°	174.6	165.4	156.5	148.1	140.3	132.8	126.5	121.0	117.0	114.1	113.2
147.5°	172.5	164.4	156.8	149.4	142.6	135.6	129.9	125.3	121.2	118.6	118.4
150°	170.9	163.6	156.8	150.1	143.8	137.5	132.0	127.7	124.2	121.9	121.6
152.5°	169.0	162.5	156.3	150.6	144.7	139.1	134.0	130.2	126.9	124.7	124.6
155°	166.2	160.8	155.6	151.0	146.1	141.2	136.9	133.7	130.9	129.1	128.8
157.5°	163.5	159.0	154.8	151.0	147.1	142.9	139.5	136.7	134.5	132.9	132.9
160°	161.3	157.6	154.2	151.0	147.6	144.1	140.9	138.6	136.6	135.4	135.4
162.5°	159.6	156.2	153.4	151.0	148.0	144.8	142.3	140.2	138.4	137.5	137.7
165°	156.5	154.2	152.1	150.4	148.1	145.5	143.8	142.4	140.9	140.3	140.3
167.5°	153.7	152.1	150.7	149.7	148.1	146.2	144.8	144.0	142.9	142.6	142.9
170°	151.9	150.7	149.9	149.3	147.8	146.3	145.5	145.0	144.1	143.8	144.1
172.5°	150.3	149.3	149.0	148.8	147.6	146.6	145.9	145.6	145.0	145.0	145.2
175°	148.4	147.8	147.8	148.1	147.2	146.7	146.7	146.3	146.1	146.1	146.3
177.5°	147.2	146.9	146.9	147.3	146.9	146.7	146.7	146.7	146.4	146.7	146.9
180°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7



TEST NUMBER: P332927-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1082.8	1085.9	1089.4	1096.0	1101.6	1104.0	1108.8	1112.3	1111.3	1116.1	1124.5
5°	1087.0	1098.8	1112.2	1126.1	1141.7	1154.7	1165.1	1175.5	1183.7	1193.7	1208.4
7.5°	1086.4	1107.2	1129.8	1154.7	1180.3	1202.4	1222.9	1243.7	1262.2	1282.4	1308.8
10°	1083.6	1111.3	1139.5	1172.1	1204.5	1235.3	1263.1	1289.2	1313.9	1340.3	1373.7
12.5°	1080.4	1112.4	1146.5	1185.5	1226.0	1263.1	1295.7	1333.2	1364.2	1398.2	1436.8
15°	1066.7	1109.6	1156.0	1206.7	1255.3	1305.1	1349.8	1395.8	1438.7	1479.4	1528.0
17.5°	1050.9	1100.4	1155.1	1215.0	1273.4	1334.0	1387.0	1445.0	1488.8	1543.5	1588.6
20°	1038.0	1091.4	1149.9	1217.2	1283.4	1350.7	1409.2	1468.2	1517.6	1572.7	1629.9
22.5°	1022.5	1081.0	1144.4	1214.0	1283.4	1356.9	1421.7	1480.3	1541.6	1603.5	1662.6
25°	997.3	1058.0	1125.2	1201.5	1281.3	1356.3	1425.7	1498.5	1564.5	1631.7	1684.6
27.5°	966.5	1030.1	1101.0	1179.7	1261.6	1338.5	1420.2	1497.8	1564.1	1628.8	1675.0
30°	941.8	1009.0	1077.1	1156.8	1241.9	1324.2	1411.9	1489.5	1559.3	1617.4	1643.4
32.5°	916.5	980.2	1050.4	1131.2	1218.2	1306.9	1393.8	1473.2	1537.7	1572.6	1573.3
35°	872.5	932.2	1005.1	1084.4	1173.8	1270.1	1358.0	1436.1	1475.5	1478.6	1436.1
37.5°	824.3	879.3	948.0	1027.4	1125.3	1221.1	1311.0	1363.0	1376.1	1332.0	1253.4
40°	790.0	840.7	907.1	988.6	1085.7	1184.6	1266.6	1304.7	1290.9	1219.3	1131.7
42.5°	754.0	801.2	865.1	945.6	1043.1	1143.0	1212.8	1233.3	1196.5	1113.9	1011.4
45°	695.0	738.4	801.8	882.8	976.5	1070.2	1123.1	1112.6	1051.5	953.5	838.6
47.5°	633.7	675.6	732.6	807.6	903.5	984.4	1020.2	988.8	901.8	794.0	700.5
50°	593.2	636.1	688.6	760.1	847.7	925.8	948.8	901.1	804.4	700.7	614.8
52.5°	553.3	590.0	641.4	710.5	794.3	860.2	872.5	817.4	717.6	624.8	548.6
55°	492.6	525.9	569.3	634.4	706.8	762.7	756.2	685.5	594.9	515.6	455.8
57.5°	433.9	459.0	499.0	560.0	623.6	661.1	637.4	577.2	492.7	427.7	377.2
60°	395.0	418.4	455.8	509.1	565.0	586.2	566.3	500.8	434.1	374.6	332.2
62.5°	358.2	378.9	411.0	460.5	505.6	518.3	496.9	439.8	379.6	328.8	293.7
65°	304.8	323.9	351.2	386.4	417.6	423.6	409.8	351.2	305.7	263.2	238.9
67.5°	256.3	268.8	290.2	320.5	337.1	340.6	313.8	277.0	236.9	210.8	192.5
70°	223.7	232.4	252.3	268.8	282.3	282.7	258.0	228.5	197.7	176.5	163.1
72.5°	192.2	200.5	215.6	226.9	237.2	233.8	211.2	187.9	163.1	147.0	137.1
75°	148.3	155.6	163.5	168.7	168.7	164.4	147.9	130.5	116.2	106.6	103.6
77.5°	107.8	113.9	116.5	115.7	114.1	107.4	96.9	85.6	80.5	76.0	73.7
80°	84.5	87.2	88.1	85.9	83.2	75.4	68.5	63.8	58.9	57.2	56.3
82.5°	62.7	65.0	62.7	63.3	57.6	51.2	47.4	45.7	43.7	43.0	42.2
85°	33.4	32.9	32.1	29.9	26.0	25.1	24.7	24.3	23.4	23.9	23.0
87.5°	11.7	10.8	9.5	9.1	9.1	8.8	9.1	9.2	9.4	9.0	9.7
90°	0.9	1.7	2.0	2.3	2.3	4.0	4.0	4.6	5.2	4.9	5.2
92.5°	4.8	7.5	11.0	15.2	21.2	35.9	58.2	80.0	91.4	76.1	56.6
95°	10.4	13.3	17.0	23.9	36.0	61.1	108.4	177.2	234.8	241.5	213.5
97.5°	17.0	19.6	23.0	28.9	39.1	58.4	97.4	165.8	247.4	303.4	315.4
100°	21.9	23.9	27.4	32.9	42.1	59.1	91.6	150.4	231.7	305.4	347.5
102.5°	27.0	28.8	32.0	37.3	46.0	61.4	90.0	140.1	212.1	288.1	345.9
105°	34.6	36.0	39.5	44.7	53.0	66.9	90.7	131.1	189.0	256.7	322.7
107.5°	42.2	43.7	47.4	52.3	60.6	73.2	95.1	129.5	176.1	231.4	289.8
110°	47.5	49.0	52.4	57.6	65.4	78.1	98.2	130.0	171.7	218.7	270.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	52.6	54.3	57.5	62.7	70.4	82.7	101.7	131.3	169.7	211.6	255.4
115°	60.3	62.2	65.1	70.6	78.4	89.9	107.2	134.0	168.6	204.9	240.9
117.5°	67.8	69.5	72.7	77.9	85.9	96.9	112.8	136.8	168.3	201.9	233.7
120°	72.6	74.6	77.8	82.7	90.7	101.7	116.7	138.9	168.3	200.2	230.5
122.5°	77.2	79.2	82.2	87.6	95.4	106.3	120.4	141.0	168.0	198.4	227.7
125°	83.8	85.6	88.8	94.2	102.3	112.7	125.9	144.1	167.7	195.3	223.1
127.5°	88.9	91.1	94.7	100.4	108.5	118.5	130.7	146.6	167.1	191.3	217.3
130°	92.2	94.5	98.8	104.3	112.7	122.5	133.7	148.4	166.8	188.7	212.6
132.5°	95.0	98.0	102.1	108.0	115.9	125.7	136.7	150.0	166.6	186.5	207.8
135°	99.4	102.3	107.2	113.2	120.7	130.2	140.6	152.5	166.2	183.0	201.1
137.5°	103.5	106.7	111.4	117.6	124.8	133.7	143.4	153.8	166.2	180.0	195.1
140°	106.3	109.5	114.4	120.4	127.3	136.0	145.2	155.0	166.0	178.4	191.6
142.5°	109.6	112.5	117.2	122.9	129.6	138.1	146.6	156.0	166.0	177.0	188.4
145°	114.1	117.0	121.0	126.5	132.8	140.3	148.1	156.5	165.4	174.6	183.8
147.5°	118.6	121.2	125.3	129.9	135.6	142.6	149.4	156.8	164.4	172.5	180.1
150°	121.9	124.2	127.7	132.0	137.5	143.8	150.1	156.8	163.6	170.9	177.8
152.5°	124.7	126.9	130.2	134.0	139.1	144.7	150.6	156.3	162.5	169.0	175.3
155°	129.1	130.9	133.7	136.9	141.2	146.1	151.0	155.6	160.8	166.2	171.5
157.5°	132.9	134.5	136.7	139.5	142.9	147.1	151.0	154.8	159.0	163.5	167.4
160°	135.4	136.6	138.6	140.9	144.1	147.6	151.0	154.2	157.6	161.3	164.9
162.5°	137.5	138.4	140.2	142.3	144.8	148.0	151.0	153.4	156.2	159.6	162.3
165°	140.3	140.9	142.4	143.8	145.5	148.1	150.4	152.1	154.2	156.5	158.7
167.5°	142.6	142.9	144.0	144.8	146.2	148.1	149.7	150.7	152.1	153.7	155.4
170°	143.8	144.1	145.0	145.5	146.3	147.8	149.3	149.9	150.7	151.9	153.3
172.5°	145.0	145.0	145.6	145.9	146.6	147.6	148.8	149.0	149.3	150.3	151.5
175°	146.1	146.1	146.3	146.7	146.7	147.2	148.1	147.8	147.8	148.4	149.0
177.5°	146.7	146.4	146.7	146.7	146.7	146.9	147.3	146.9	146.9	147.2	147.3
180°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7



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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°	9.0	8.8	9.1	8.8	8.9	8.5	8.8
90°	5.5	5.8	5.8	6.0	6.4	6.0	6.0
92.5°	42.6	33.9	28.1	24.7	23.2	22.2	22.2
95°	168.8	130.2	102.3	88.1	79.2	74.0	70.3
97.5°	298.9	270.7	240.6	219.9	202.6	194.0	187.9
100°	353.3	339.2	317.8	292.8	275.2	266.5	264.2
102.5°	374.5	378.5	369.7	354.3	341.6	332.5	330.6
105°	372.6	401.1	412.9	413.5	411.2	407.2	405.4
107.5°	342.9	383.0	408.8	423.0	429.6	432.4	433.2
110°	319.8	361.7	393.3	413.8	425.9	431.0	433.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	299.5	339.0	370.7	394.0	408.6	415.9	420.0
115°	276.3	310.1	337.7	360.4	377.7	387.0	389.3
117.5°	263.1	289.6	313.1	332.5	347.0	356.3	358.1
120°	257.3	280.4	300.8	317.2	330.0	337.5	340.6
122.5°	253.6	274.6	292.5	306.4	317.2	323.6	326.8
125°	247.8	267.7	283.6	295.1	303.5	308.9	310.6
127.5°	240.9	260.8	275.8	287.4	294.8	299.5	301.2
130°	235.5	255.0	270.3	282.1	289.3	293.9	295.6
132.5°	229.2	248.3	263.6	275.2	283.3	287.7	289.4
135°	219.9	237.4	251.8	263.3	271.4	276.1	277.8
137.5°	210.9	225.8	238.7	249.6	257.5	261.3	263.3
140°	205.1	218.1	230.2	240.4	246.6	250.7	253.0
142.5°	200.3	211.4	221.9	230.9	236.8	240.4	241.9
145°	193.6	202.3	210.3	217.5	222.4	225.3	226.7
147.5°	187.8	194.8	201.1	206.4	210.7	212.8	213.4
150°	184.4	190.2	195.3	200.0	203.7	205.5	205.7
152.5°	181.0	186.3	190.5	194.4	197.5	198.5	198.9
155°	176.0	180.3	183.8	186.7	189.0	189.9	189.9
157.5°	171.2	174.9	177.7	179.8	181.6	182.1	182.1
160°	168.0	171.1	173.5	175.2	176.9	177.2	177.2
162.5°	165.0	167.5	169.6	170.8	172.5	172.8	172.6
165°	160.5	162.5	164.0	165.1	166.2	166.0	165.7
167.5°	156.7	158.3	159.1	159.7	160.5	160.5	160.2
170°	154.2	155.3	156.2	156.8	157.0	156.8	156.8
172.5°	152.1	152.8	153.4	153.8	154.0	153.8	153.3
175°	149.3	149.9	149.9	149.9	150.4	149.9	149.3
177.5°	147.6	147.6	147.8	147.6	147.8	147.3	146.9
180°	146.7	146.7	146.7	146.7	146.7	146.7	146.7

(END OF REPORT)