

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: P332590-930

Luminaire Tested: **SA4XXDIP-C795D590U930-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332590-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D590U930-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

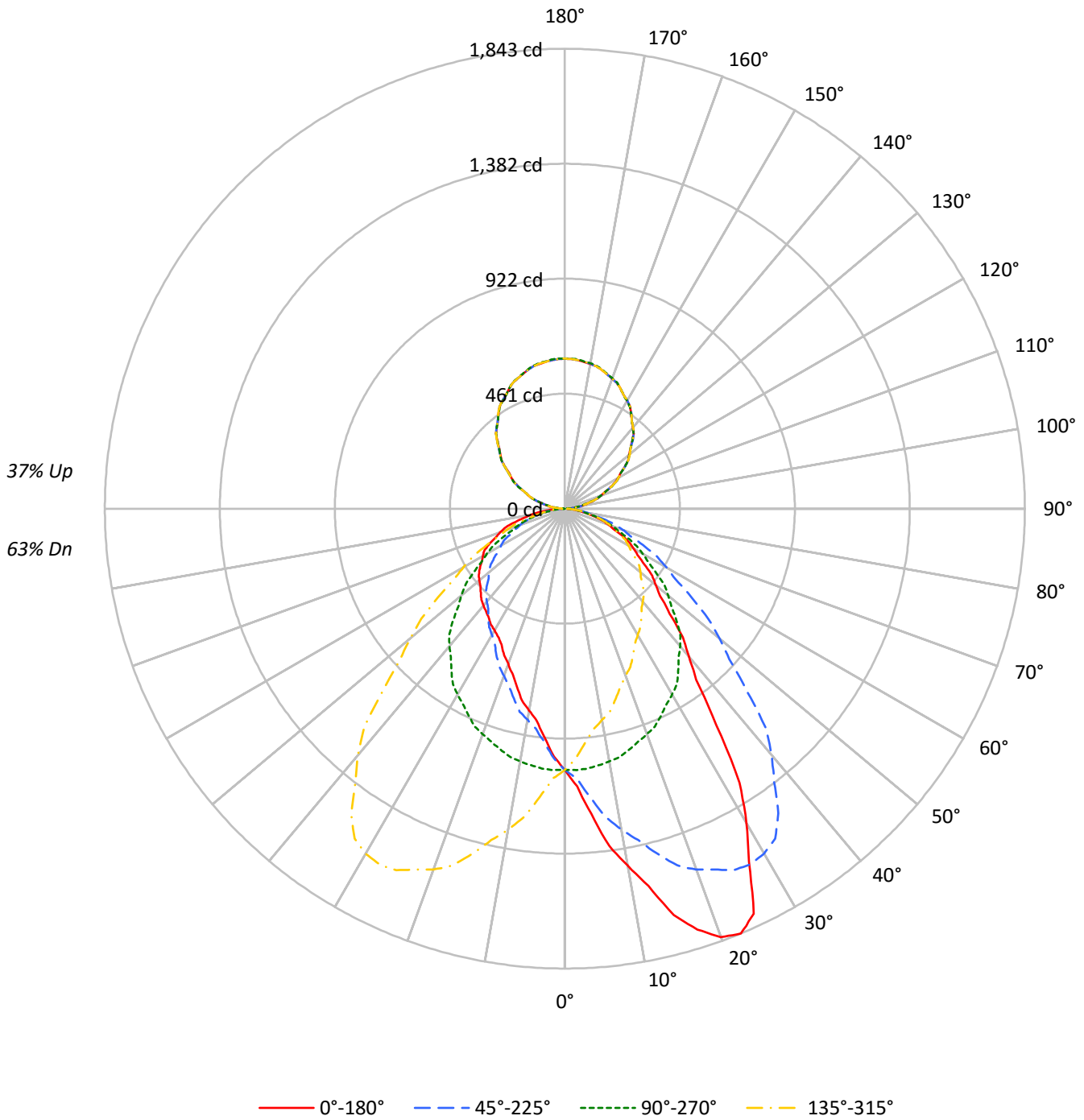
Lumens per Lamp: N/A
Luminaire Lumens: 4557.9 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 40.3
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	110	110	110	110	104	104	104	104	91	91	91	79	79	79	68	68	68	63				
1	101	97	93	89	95	91	88	85	80	78	75	70	68	67	61	60	58	54				
2	92	85	79	74	86	80	74	70	71	66	63	62	59	56	54	52	50	46				
3	84	75	67	62	79	71	64	59	62	57	53	55	51	48	48	45	43	39				
4	77	67	59	52	72	63	56	50	56	50	46	49	45	41	43	40	37	34				
5	71	59	51	45	67	56	49	43	50	44	40	44	40	36	39	35	32	29				
6	66	54	45	39	62	51	43	38	45	39	35	40	35	32	36	32	29	26				
7	61	48	40	35	57	46	39	33	41	35	31	37	32	28	32	29	26	23				
8	57	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23	21				
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21	19				
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	26	22	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8451	8451	8451	8451
5°	9951	8473	7478	8473
10°	11914	8435	6733	8435
15°	14098	8350	6182	8350
20°	15698	8262	5692	8262
25°	15952	8134	5353	8134
30°	13573	8011	5246	8011
35°	10435	7811	5248	7811
40°	8134	7576	5347	7576
45°	6782	7223	5436	7223
50°	5968	6791	5620	6791
55°	5468	6273	5847	6273
60°	5125	5811	6119	5811
65°	4770	5291	6346	5291
70°	4360	4780	6489	4780
75°	3896	4208	6410	4208
80°	3268	3445	6206	3445
85°	2408	2492	5947	2492



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	2.2
10°-20°	314.3	6.9
20°-30°	498.4	10.9
30°-40°	554.7	12.2
40°-50°	504.9	11.1
50°-60°	412.6	9.1
60°-70°	294.6	6.5
70°-80°	162.2	3.6
80°-90°	46.1	1.0
90°-100°	39.7	0.9
100°-110°	117.5	2.6
110°-120°	199.4	4.4
120°-130°	262.9	5.8
130°-140°	295.3	6.5
140°-150°	290.2	6.4
150°-160°	244.0	5.4
160°-170°	162.4	3.6
170°-180°	56.9	1.2
0°-30°	914.7	20.1
0°-40°	1469.4	32.2
0°-60°	2386.9	52.4
0°-90°	2889.7	63.4
90°-120°	356.5	7.8
90°-150°	1204.9	26.4
90°-180°	1668.0	36.6
0°-180°	4557.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1047	1047	1047	1047	1047	
5°	1228	1046	923	1046	1228	125
15°	1687	999	740	999	1687	477
25°	1791	913	601	913	1791	789
35°	1059	793	532	793	1059	672
45°	594	633	476	633	594	468
55°	388	446	415	446	388	351
65°	250	277	332	277	250	247
75°	125	135	206	135	125	133
85°	26	27	64	27	26	32
90°	14	1	14	1	14	8
95°	37	28	37	28	37	38
105°	114	108	114	108	114	120
115°	201	203	201	203	201	199
125°	293	295	293	295	293	261
135°	381	381	381	381	381	294
145°	463	463	463	463	463	290
155°	530	530	530	530	530	244
165°	576	577	576	577	576	162
175°	598	600	598	600	598	57
180°	601	601	601	601	601	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1114.0	1113.7	1110.2	1109.5	1107.1	1104.0	1103.3	1097.7	1086.6	1081.4	1080.0
5°	1228.0	1236.6	1225.4	1223.2	1221.9	1207.6	1200.2	1191.6	1171.6	1159.9	1150.8
7.5°	1364.0	1365.0	1360.1	1356.1	1345.1	1332.5	1313.9	1293.9	1270.2	1245.4	1226.8
10°	1453.4	1456.9	1451.3	1450.4	1428.3	1414.5	1386.7	1363.3	1336.4	1306.4	1279.1
12.5°	1547.8	1543.0	1540.1	1521.5	1517.4	1492.2	1459.9	1435.7	1394.3	1359.9	1323.6
15°	1686.8	1677.2	1671.1	1645.5	1633.0	1597.8	1563.6	1537.2	1482.9	1431.3	1392.3
17.5°	1768.2	1777.8	1763.7	1753.2	1720.7	1696.1	1661.1	1605.6	1563.2	1499.1	1449.8
20°	1827.2	1828.1	1820.3	1809.5	1783.9	1752.6	1714.5	1653.8	1603.0	1539.3	1471.7
22.5°	1843.1	1843.4	1840.0	1829.9	1810.5	1785.3	1746.8	1696.1	1634.6	1565.3	1497.7
25°	1790.8	1789.1	1793.0	1804.3	1796.8	1789.1	1766.9	1729.2	1672.0	1598.7	1525.8
27.5°	1596.2	1608.2	1630.2	1657.9	1684.7	1705.0	1710.7	1703.0	1667.5	1607.3	1531.0
30°	1456.0	1470.8	1487.3	1515.0	1568.8	1599.6	1633.4	1659.0	1644.7	1596.5	1525.4
32.5°	1302.0	1305.7	1330.2	1361.7	1411.0	1470.2	1523.8	1575.7	1593.0	1567.7	1508.5
35°	1058.8	1064.9	1091.4	1122.6	1182.9	1255.3	1335.9	1407.9	1467.3	1491.2	1460.9
37.5°	864.1	881.5	900.2	933.8	986.8	1052.0	1135.8	1228.9	1317.4	1376.8	1386.8
40°	771.8	782.7	796.1	821.7	866.7	931.0	1002.9	1109.6	1203.7	1288.7	1316.5
42.5°	699.0	705.3	713.5	736.7	771.0	834.9	900.6	994.4	1088.9	1190.5	1237.0
45°	594.0	600.5	614.4	627.9	653.9	698.1	759.2	836.4	931.4	1029.4	1115.2
47.5°	518.3	522.4	530.7	545.0	567.1	596.3	646.0	710.5	798.5	893.6	985.1
50°	475.2	478.7	485.2	498.2	515.1	541.1	581.9	642.2	711.1	807.0	896.7
52.5°	441.2	442.6	447.4	456.2	469.7	491.5	525.0	574.9	639.0	724.4	813.8
55°	388.5	390.3	394.6	401.1	412.8	426.6	452.2	489.5	545.5	619.6	697.2
57.5°	345.1	346.3	350.0	352.5	362.2	373.4	393.1	419.7	462.1	525.0	594.3
60°	317.4	316.5	320.9	323.0	329.5	339.1	354.2	379.8	416.7	467.4	531.2
62.5°	290.3	289.1	292.8	295.6	299.4	307.5	319.9	340.0	369.9	415.7	470.8
65°	249.7	248.0	250.2	253.6	257.1	261.5	270.6	288.4	312.2	345.1	387.2
67.5°	209.0	210.8	211.2	212.9	214.9	220.8	227.1	239.6	256.4	282.8	318.5
70°	184.7	185.2	186.9	186.9	188.2	193.4	198.6	205.9	222.4	246.7	275.7
72.5°	160.5	162.2	161.6	163.0	163.9	167.4	171.2	178.2	192.2	210.3	234.8
75°	124.9	126.2	126.2	126.6	127.9	129.2	132.2	137.5	147.4	160.9	177.8
77.5°	91.1	91.2	91.8	93.4	93.4	95.5	97.8	101.9	106.8	116.0	126.4
80°	70.3	71.1	70.7	71.6	71.6	73.3	74.1	79.3	81.5	87.6	95.8
82.5°	51.5	52.3	52.3	53.5	54.2	54.5	55.8	57.8	60.0	65.4	68.7
85°	26.0	26.9	26.0	26.9	28.2	28.6	29.9	30.3	32.1	33.4	36.4
87.5°	10.4	11.4	11.4	11.7	12.3	12.6	12.8	12.4	13.6	13.9	15.1
90°	13.9	13.8	13.5	13.4	13.1	12.7	12.1	11.5	10.8	10.2	9.4
92.5°	20.6	20.5	20.4	20.3	20.1	19.9	19.6	19.2	18.8	18.4	17.9
95°	36.8	36.8	36.8	36.8	36.8	36.6	36.3	36.0	35.6	35.3	34.7
97.5°	57.6	57.6	57.6	57.6	57.6	57.4	57.0	56.7	56.3	55.9	55.0
100°	72.1	72.1	72.1	72.1	72.1	72.0	71.7	71.6	71.3	71.2	70.2
102.5°	88.5	88.4	88.3	88.2	88.1	87.9	87.6	87.3	87.1	86.7	85.9
105°	113.5	113.2	112.8	112.5	112.2	111.9	111.6	111.3	111.0	110.6	110.2
107.5°	137.9	137.9	137.9	137.9	137.9	137.8	137.5	137.2	136.9	136.6	136.6
110°	155.3	155.0	154.7	154.4	154.1	154.0	154.3	154.4	154.7	154.8	155.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	173.2	173.1	173.0	173.0	172.9	172.9	172.9	173.0	173.0	173.1	173.3
115°	200.9	201.0	201.1	201.2	201.3	201.4	201.5	201.6	201.7	201.8	202.0
117.5°	227.3	227.5	227.7	227.9	228.1	228.4	228.8	229.1	229.4	229.8	229.9
120°	247.4	247.2	247.0	246.8	246.5	246.7	247.2	247.8	248.3	248.7	249.1
122.5°	264.2	264.5	264.9	265.2	265.6	266.0	266.4	266.7	267.0	267.4	267.5
125°	292.9	293.2	293.3	293.6	293.8	294.0	294.2	294.4	294.6	294.8	294.9
127.5°	319.7	319.8	320.0	320.2	320.3	320.5	320.7	320.9	321.1	321.3	321.5
130°	337.1	337.5	337.9	338.3	338.8	339.1	339.3	339.5	339.7	339.9	339.9
132.5°	355.7	355.9	356.0	356.2	356.4	356.6	356.8	357.0	357.2	357.4	357.5
135°	381.3	381.6	381.9	382.2	382.5	382.8	383.0	383.2	383.4	383.6	383.6
137.5°	408.2	408.1	408.1	408.0	407.9	408.1	408.3	408.5	408.9	409.1	409.0
140°	424.5	424.7	424.8	424.9	424.9	425.1	425.2	425.3	425.3	425.5	425.5
142.5°	440.9	440.9	441.0	441.0	441.0	441.0	441.1	441.1	441.1	441.1	441.2
145°	463.2	463.4	463.7	464.1	464.4	464.6	464.7	464.8	464.9	465.0	464.9
147.5°	485.7	485.8	485.8	486.0	486.1	486.2	486.2	486.3	486.4	486.5	486.6
150°	499.5	499.5	499.6	499.7	499.9	499.9	499.9	499.9	499.9	499.9	499.9
152.5°	512.1	512.3	512.6	512.9	513.1	513.1	512.9	512.7	512.4	512.2	512.1
155°	529.6	530.0	530.4	530.8	531.3	531.3	530.8	530.4	530.0	529.6	529.8
157.5°	545.4	545.7	546.1	546.4	546.7	546.8	546.5	546.2	545.8	545.5	545.6
160°	554.3	554.8	555.3	555.9	556.4	556.4	556.1	555.9	555.5	555.2	555.3
162.5°	563.6	564.1	564.6	565.2	565.7	565.7	565.1	564.5	563.9	563.4	563.5
165°	575.7	576.1	576.5	576.9	577.3	577.2	576.6	576.0	575.4	574.8	574.9
167.5°	584.3	585.0	585.6	586.3	586.9	586.9	586.3	585.6	585.1	584.4	584.4
170°	589.1	589.9	590.6	591.3	592.1	592.1	591.5	590.8	590.3	589.6	589.5
172.5°	593.3	593.9	594.7	595.4	596.1	596.1	595.5	594.8	594.0	593.4	593.3
175°	597.5	598.3	599.0	599.7	600.4	600.4	599.7	599.0	598.3	597.5	597.6
177.5°	599.7	600.4	601.1	601.8	602.4	602.4	601.9	601.3	600.7	600.1	600.1
180°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1080.4	1075.5	1072.0	1069.3	1061.7	1057.1	1053.7	1048.8	1043.3	1037.4	1030.0
5°	1141.7	1126.9	1116.1	1099.6	1084.0	1071.0	1057.6	1045.5	1030.7	1014.6	1002.9
7.5°	1206.2	1184.2	1156.1	1131.7	1104.3	1080.4	1059.2	1037.3	1014.6	992.5	972.3
10°	1247.1	1218.9	1187.6	1150.8	1116.1	1085.3	1056.7	1029.0	1002.1	975.2	952.2
12.5°	1291.1	1256.0	1209.8	1166.8	1127.9	1086.7	1052.2	1018.2	985.8	957.5	930.7
15°	1350.2	1299.5	1246.2	1188.5	1137.3	1089.2	1042.0	999.1	962.6	925.3	899.3
17.5°	1386.6	1323.8	1262.8	1202.6	1140.7	1079.9	1029.0	979.4	933.8	896.7	864.0
20°	1410.5	1348.1	1272.2	1211.9	1138.2	1075.8	1016.8	961.7	914.0	874.6	840.7
22.5°	1431.3	1359.2	1283.3	1204.0	1130.6	1064.4	999.8	944.4	895.7	854.1	821.7
25°	1442.6	1359.8	1277.4	1198.5	1115.2	1036.7	978.2	913.2	861.1	817.3	782.7
27.5°	1443.8	1355.3	1262.1	1174.4	1088.4	1015.4	941.4	883.4	829.3	783.0	749.7
30°	1440.0	1347.7	1247.5	1152.5	1066.2	986.9	922.8	859.4	804.4	758.4	723.7
32.5°	1427.8	1331.7	1228.7	1128.2	1038.9	961.2	895.0	834.8	781.1	735.8	699.4
35°	1392.8	1297.8	1188.1	1083.6	992.1	913.6	853.8	792.6	738.9	695.9	660.8
37.5°	1337.8	1252.0	1140.4	1032.3	942.5	863.6	804.4	749.1	700.6	657.0	621.0
40°	1290.0	1214.6	1102.7	997.3	900.2	825.2	769.6	718.9	670.8	629.6	595.3
42.5°	1234.9	1169.1	1065.9	954.3	860.6	785.3	731.2	685.6	640.3	602.2	567.9
45°	1136.4	1093.2	996.0	892.8	795.2	724.1	672.5	632.7	594.5	557.2	528.6
47.5°	1023.4	1001.9	920.1	822.1	729.5	659.4	614.7	577.8	544.4	512.8	487.5
50°	947.5	937.0	866.3	771.8	683.4	617.4	572.3	540.7	512.1	484.4	460.5
52.5°	872.5	872.1	808.5	721.9	640.0	576.5	531.7	502.2	477.4	454.9	433.4
55°	758.0	770.1	720.2	643.0	569.7	512.5	472.2	445.7	428.4	409.8	393.7
57.5°	652.7	672.9	631.8	563.8	502.6	449.9	414.8	394.9	376.4	365.2	353.5
60°	584.1	603.2	571.0	513.8	456.2	411.1	377.6	359.9	343.8	336.1	327.8
62.5°	523.0	540.1	516.2	463.2	413.1	369.8	341.6	324.5	313.6	305.2	299.7
65°	435.8	450.0	429.7	391.1	348.2	313.5	290.5	277.0	266.7	263.2	257.1
67.5°	352.3	365.3	354.2	321.5	287.1	260.7	242.8	229.9	223.7	220.7	216.4
70°	302.6	315.7	303.9	275.3	248.9	226.8	209.9	202.5	196.0	194.7	188.6
72.5°	260.7	269.5	257.8	235.5	212.8	194.2	181.1	173.3	170.0	167.6	164.4
75°	195.6	203.3	195.6	178.2	162.2	149.2	137.9	134.9	130.9	129.6	127.5
77.5°	138.4	145.2	139.2	128.3	116.3	106.3	100.3	96.4	95.5	93.2	94.2
80°	105.8	110.1	104.5	97.1	87.6	80.6	76.3	74.1	71.6	70.7	72.4
82.5°	76.0	77.9	75.0	70.0	62.9	58.5	55.5	53.0	52.5	52.7	52.7
85°	39.5	39.1	38.6	34.2	32.1	29.0	27.3	26.9	26.4	27.3	28.2
87.5°	14.9	15.1	14.6	13.0	11.7	10.4	9.9	9.3	9.9	10.4	11.0
90°	8.6	7.7	6.9	6.0	4.8	3.7	2.5	1.4	2.5	3.7	4.8
92.5°	17.3	16.7	16.1	15.2	13.9	12.6	11.3	9.9	11.3	12.6	13.9
95°	33.9	33.2	32.4	31.6	30.7	29.8	28.9	27.9	28.9	29.8	30.7
97.5°	54.2	53.3	52.5	51.7	51.0	50.2	49.5	48.8	49.5	50.2	51.0
100°	69.3	68.3	67.4	66.8	66.4	66.0	65.6	65.1	65.6	66.0	66.4
102.5°	85.0	84.2	83.4	82.8	82.7	82.5	82.3	82.2	82.3	82.5	82.7
105°	109.8	109.4	109.0	108.8	108.7	108.5	108.4	108.4	108.4	108.5	108.7
107.5°	136.5	136.4	136.4	136.3	136.2	136.0	135.9	135.7	135.9	136.0	136.2
110°	155.1	155.2	155.2	155.2	155.0	154.8	154.6	154.4	154.6	154.8	155.0



TEST NUMBER: P332590-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	173.4	173.7	173.8	173.9	173.8	173.8	173.7	173.7	173.7	173.8	173.8
115°	202.2	202.4	202.6	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8
117.5°	230.1	230.2	230.4	230.4	230.3	230.2	230.2	230.1	230.2	230.2	230.3
120°	249.4	249.7	250.1	250.0	249.6	249.2	248.7	248.3	248.7	249.2	249.6
122.5°	267.7	267.8	268.0	267.9	267.7	267.6	267.4	267.3	267.4	267.6	267.7
125°	295.1	295.1	295.2	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3
127.5°	321.6	321.8	322.0	321.9	321.6	321.3	321.0	320.7	321.0	321.3	321.6
130°	339.9	339.9	339.9	339.7	339.5	339.2	338.8	338.5	338.8	339.2	339.5
132.5°	357.6	357.7	357.8	357.7	357.4	357.2	357.0	356.8	357.0	357.2	357.4
135°	383.6	383.6	383.6	383.4	382.7	382.0	381.5	380.8	381.5	382.0	382.7
137.5°	408.8	408.6	408.5	408.2	407.9	407.6	407.3	407.1	407.3	407.6	407.9
140°	425.5	425.5	425.5	425.3	425.2	424.9	424.8	424.5	424.8	424.9	425.2
142.5°	441.2	441.3	441.4	441.4	441.2	441.0	440.8	440.5	440.8	441.0	441.2
145°	464.8	464.7	464.6	464.3	463.9	463.5	463.1	462.7	463.1	463.5	463.9
147.5°	486.7	486.7	486.8	486.7	486.1	485.6	485.1	484.6	485.1	485.6	486.1
150°	499.9	499.9	499.9	499.7	499.3	498.9	498.5	498.0	498.5	498.9	499.3
152.5°	512.0	511.9	511.8	511.7	511.4	511.2	510.9	510.7	510.9	511.2	511.4
155°	529.9	529.9	530.0	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1
157.5°	545.6	545.6	545.6	545.8	545.9	546.1	546.3	546.5	546.3	546.1	545.9
160°	555.5	555.5	555.6	555.7	555.9	556.0	556.0	556.1	556.0	556.0	555.9
162.5°	563.6	563.7	563.8	564.0	564.3	564.5	564.8	565.1	564.8	564.5	564.3
165°	575.2	575.4	575.6	575.8	576.2	576.4	576.7	577.1	576.7	576.4	576.2
167.5°	584.4	584.3	584.3	584.6	585.0	585.4	585.9	586.3	585.9	585.4	585.0
170°	589.4	589.3	589.2	589.4	590.0	590.4	591.0	591.5	591.0	590.4	590.0
172.5°	593.3	593.3	593.3	593.5	593.9	594.4	594.8	595.2	594.8	594.4	593.9
175°	597.8	597.9	597.9	598.3	598.8	599.3	599.8	600.3	599.8	599.3	598.8
177.5°	600.1	600.1	600.1	600.3	600.8	601.2	601.6	602.0	601.6	601.2	600.8
180°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3



TEST NUMBER: P332590-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1026.6	1023.5	1019.0	1012.8	1007.5	1002.0	1000.6	998.5	1002.7	999.2	998.2
5°	993.0	983.8	972.2	958.7	950.9	939.6	937.4	933.1	928.8	928.4	924.0
7.5°	957.3	944.0	928.6	914.9	902.2	889.9	881.9	880.1	873.8	870.0	865.7
10°	934.4	917.9	900.2	887.1	872.5	859.4	850.3	845.1	840.7	836.0	831.7
12.5°	907.3	889.8	875.2	861.1	843.6	833.7	818.7	809.8	808.9	808.9	797.7
15°	875.9	858.5	836.0	816.0	806.5	787.4	779.2	768.7	762.3	755.8	750.6
17.5°	839.9	818.3	800.7	777.8	759.6	744.4	733.6	727.3	717.5	708.3	701.6
20°	817.3	794.3	775.8	751.5	731.5	712.8	703.8	695.0	687.7	679.9	672.5
22.5°	794.4	770.5	747.6	724.1	705.5	685.8	677.0	665.2	658.2	653.9	646.5
25°	758.4	732.4	706.4	683.8	664.7	647.3	635.7	626.6	618.7	615.3	610.5
27.5°	719.2	693.3	668.2	642.6	620.9	608.4	599.0	592.2	587.6	583.0	580.9
30°	694.2	667.3	640.4	616.6	596.6	584.1	575.4	570.6	567.1	565.0	562.8
32.5°	668.9	642.4	614.1	592.3	574.5	563.3	556.7	551.9	550.2	549.3	548.6
35°	628.3	601.4	575.4	555.9	539.0	534.7	529.0	526.4	525.5	528.6	529.9
37.5°	589.0	564.0	540.1	521.2	510.1	503.8	501.8	502.0	505.1	507.8	510.9
40°	563.7	539.4	516.9	500.3	490.0	486.1	485.2	487.4	490.8	493.9	497.3
42.5°	539.1	515.1	494.6	479.2	472.0	468.4	468.9	471.1	475.9	479.6	484.9
45°	500.8	480.9	460.9	448.3	442.3	443.1	443.1	447.0	451.8	457.5	463.1
47.5°	464.8	444.7	428.3	417.8	414.6	413.8	416.3	421.3	428.2	435.2	443.0
50°	440.5	421.4	407.2	397.6	394.1	395.4	398.9	403.7	411.9	420.6	428.8
52.5°	415.9	398.6	385.3	376.4	374.1	376.3	379.8	387.3	394.6	404.0	413.9
55°	377.6	362.9	352.5	346.0	345.1	346.4	350.3	358.6	369.0	380.7	390.3
57.5°	339.6	327.3	317.7	313.2	313.6	314.9	321.3	331.1	342.2	354.7	367.0
60°	314.0	302.6	294.9	291.4	291.8	294.4	302.2	311.4	325.2	337.4	350.3
62.5°	289.7	279.7	272.3	269.2	268.6	274.3	281.8	291.2	305.1	318.6	332.6
65°	250.6	242.8	236.8	235.1	236.4	240.7	250.2	262.8	274.5	288.8	303.5
67.5°	212.5	206.0	201.9	202.7	204.2	210.7	218.7	229.4	242.7	257.6	272.1
70°	188.2	182.1	178.6	179.0	181.6	189.5	196.4	207.2	221.6	236.8	248.9
72.5°	163.2	159.2	156.1	157.9	160.5	165.9	174.6	185.4	198.0	212.1	224.9
75°	125.3	125.3	123.6	124.9	128.8	134.0	140.5	151.7	164.4	175.6	186.1
77.5°	92.9	92.0	93.1	94.7	96.9	103.1	110.6	118.6	128.1	139.3	148.0
80°	71.1	71.6	73.7	76.3	77.2	81.9	89.8	97.1	104.5	114.1	122.3
82.5°	53.4	53.9	55.0	58.3	59.1	64.2	69.3	76.6	83.3	89.8	96.6
85°	29.0	29.0	31.2	32.5	34.7	38.2	41.2	45.5	51.6	55.9	62.5
87.5°	12.3	12.5	14.0	14.9	16.1	18.0	18.8	22.7	24.3	26.1	29.4
90°	6.0	6.9	7.7	8.6	9.4	10.2	10.8	11.5	12.1	12.7	13.1
92.5°	15.2	16.1	16.7	17.3	17.9	18.4	18.8	19.2	19.6	19.9	20.1
95°	31.6	32.4	33.2	33.9	34.7	35.3	35.6	36.0	36.3	36.6	36.8
97.5°	51.7	52.5	53.3	54.2	55.0	55.9	56.3	56.7	57.0	57.4	57.6
100°	66.8	67.4	68.3	69.3	70.2	71.2	71.3	71.6	71.7	72.0	72.1
102.5°	82.8	83.4	84.2	85.0	85.9	86.7	87.1	87.3	87.6	87.9	88.1
105°	108.8	109.0	109.4	109.8	110.2	110.6	111.0	111.3	111.6	111.9	112.2
107.5°	136.3	136.4	136.4	136.5	136.6	136.6	136.9	137.2	137.5	137.8	137.9
110°	155.2	155.2	155.2	155.1	155.0	154.8	154.7	154.4	154.3	154.0	154.1



TEST NUMBER: P332590-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	173.9	173.8	173.7	173.4	173.3	173.1	173.0	173.0	172.9	172.9	172.9
115°	202.8	202.6	202.4	202.2	202.0	201.8	201.7	201.6	201.5	201.4	201.3
117.5°	230.4	230.4	230.2	230.1	229.9	229.8	229.4	229.1	228.8	228.4	228.1
120°	250.0	250.1	249.7	249.4	249.1	248.7	248.3	247.8	247.2	246.7	246.5
122.5°	267.9	268.0	267.8	267.7	267.5	267.4	267.0	266.7	266.4	266.0	265.6
125°	295.3	295.2	295.1	295.1	294.9	294.8	294.6	294.4	294.2	294.0	293.8
127.5°	321.9	322.0	321.8	321.6	321.5	321.3	321.1	320.9	320.7	320.5	320.3
130°	339.7	339.9	339.9	339.9	339.9	339.9	339.7	339.5	339.3	339.1	338.8
132.5°	357.7	357.8	357.7	357.6	357.5	357.4	357.2	357.0	356.8	356.6	356.4
135°	383.4	383.6	383.6	383.6	383.6	383.6	383.4	383.2	383.0	382.8	382.5
137.5°	408.2	408.5	408.6	408.8	409.0	409.1	408.9	408.5	408.3	408.1	407.9
140°	425.3	425.5	425.5	425.5	425.5	425.5	425.3	425.3	425.2	425.1	424.9
142.5°	441.4	441.4	441.3	441.2	441.2	441.1	441.1	441.1	441.1	441.0	441.0
145°	464.3	464.6	464.7	464.8	464.9	465.0	464.9	464.8	464.7	464.6	464.4
147.5°	486.7	486.8	486.7	486.7	486.6	486.5	486.4	486.3	486.2	486.2	486.1
150°	499.7	499.9	499.9	499.9	499.9	499.9	499.9	499.9	499.9	499.9	499.9
152.5°	511.7	511.8	511.9	512.0	512.1	512.2	512.4	512.7	512.9	513.1	513.1
155°	530.1	530.0	529.9	529.9	529.8	529.6	530.0	530.4	530.8	531.3	531.3
157.5°	545.8	545.6	545.6	545.6	545.6	545.5	545.8	546.2	546.5	546.8	546.7
160°	555.7	555.6	555.5	555.5	555.3	555.2	555.5	555.9	556.1	556.4	556.4
162.5°	564.0	563.8	563.7	563.6	563.5	563.4	563.9	564.5	565.1	565.7	565.7
165°	575.8	575.6	575.4	575.2	574.9	574.8	575.4	576.0	576.6	577.2	577.3
167.5°	584.6	584.3	584.3	584.4	584.4	584.4	585.1	585.6	586.3	586.9	586.9
170°	589.4	589.2	589.3	589.4	589.5	589.6	590.3	590.8	591.5	592.1	592.1
172.5°	593.5	593.3	593.3	593.3	593.3	593.4	594.0	594.8	595.5	596.1	596.1
175°	598.3	597.9	597.9	597.8	597.6	597.5	598.3	599.0	599.7	600.4	600.4
177.5°	600.3	600.1	600.1	600.1	600.1	600.1	600.7	601.3	601.9	602.4	602.4
180°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3



TEST NUMBER: P332590-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	997.4	996.8	994.3	994.0	994.3	996.8	997.4	998.2	999.2	1002.7	998.5
5°	921.5	919.2	917.9	922.8	917.9	919.2	921.5	924.0	928.4	928.8	933.1
7.5°	864.1	862.3	858.5	857.4	858.5	862.3	864.1	865.7	870.0	873.8	880.1
10°	827.3	825.6	822.1	821.3	822.1	825.6	827.3	831.7	836.0	840.7	845.1
12.5°	791.9	788.5	787.7	788.6	787.7	788.5	791.9	797.7	808.9	808.9	809.8
15°	744.9	743.2	738.4	739.7	738.4	743.2	744.9	750.6	755.8	762.3	768.7
17.5°	698.6	696.5	690.7	695.9	690.7	696.5	698.6	701.6	708.3	717.5	727.3
20°	669.5	666.0	663.0	662.5	663.0	666.0	669.5	672.5	679.9	687.7	695.0
22.5°	641.7	638.6	638.4	635.5	638.4	638.6	641.7	646.5	653.9	658.2	665.2
25°	607.1	604.1	603.2	601.0	603.2	604.1	607.1	610.5	615.3	618.7	626.6
27.5°	580.4	578.9	577.4	578.0	577.4	578.9	580.4	580.9	583.0	587.6	592.2
30°	564.1	563.7	562.8	562.8	562.8	563.7	564.1	562.8	565.0	567.1	570.6
32.5°	550.6	550.5	551.1	551.1	551.1	550.5	550.6	548.6	549.3	550.2	551.9
35°	531.6	532.9	533.8	532.5	533.8	532.9	531.6	529.9	528.6	525.5	526.4
37.5°	514.5	515.8	517.0	518.4	517.0	515.8	514.5	510.9	507.8	505.1	502.0
40°	501.2	504.3	505.2	507.4	505.2	504.3	501.2	497.3	493.9	490.8	487.4
42.5°	488.8	492.1	494.4	494.8	494.4	492.1	488.8	484.9	479.6	475.9	471.1
45°	469.6	473.0	476.1	476.1	476.1	473.0	469.6	463.1	457.5	451.8	447.0
47.5°	449.7	454.8	457.8	458.6	457.8	454.8	449.7	443.0	435.2	428.2	421.3
50°	436.2	442.3	445.3	447.5	445.3	442.3	436.2	428.8	420.6	411.9	403.7
52.5°	423.1	429.1	433.2	434.3	433.2	429.1	423.1	413.9	404.0	394.6	387.3
55°	400.2	408.9	413.7	415.4	413.7	408.9	400.2	390.3	380.7	369.0	358.6
57.5°	378.7	386.7	392.2	393.5	392.2	386.7	378.7	367.0	354.7	342.2	331.1
60°	362.1	370.7	377.6	379.0	377.6	370.7	362.1	350.3	337.4	325.2	311.4
62.5°	345.0	354.1	360.4	363.7	360.4	354.1	345.0	332.6	318.6	305.1	291.2
65°	315.7	324.7	330.8	332.2	330.8	324.7	315.7	303.5	288.8	274.5	262.8
67.5°	283.6	292.7	296.7	299.2	296.7	292.7	283.6	272.1	257.6	242.7	229.4
70°	261.1	268.4	272.7	274.9	272.7	268.4	261.1	248.9	236.8	221.6	207.2
72.5°	235.4	243.0	248.1	248.5	248.1	243.0	235.4	224.9	212.1	198.0	185.4
75°	196.0	202.9	205.5	205.5	205.5	202.9	196.0	186.1	175.6	164.4	151.7
77.5°	155.2	158.7	162.0	162.7	162.0	158.7	155.2	148.0	139.3	128.1	118.6
80°	128.8	130.9	133.5	133.5	133.5	130.9	128.8	122.3	114.1	104.5	97.1
82.5°	101.7	103.5	106.2	105.8	106.2	103.5	101.7	96.6	89.8	83.3	76.6
85°	61.6	65.5	65.1	64.2	65.1	65.5	61.6	62.5	55.9	51.6	45.5
87.5°	30.4	30.8	31.9	32.6	31.9	30.8	30.4	29.4	26.1	24.3	22.7
90°	13.4	13.5	13.8	13.9	13.8	13.5	13.4	13.1	12.7	12.1	11.5
92.5°	20.3	20.4	20.5	20.6	20.5	20.4	20.3	20.1	19.9	19.6	19.2
95°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.6	36.3	36.0
97.5°	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.4	57.0	56.7
100°	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.0	71.7	71.6
102.5°	88.2	88.3	88.4	88.5	88.4	88.3	88.2	88.1	87.9	87.6	87.3
105°	112.5	112.8	113.2	113.5	113.2	112.8	112.5	112.2	111.9	111.6	111.3
107.5°	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.8	137.5	137.2
110°	154.4	154.7	155.0	155.3	155.0	154.7	154.4	154.1	154.0	154.3	154.4



TEST NUMBER: P332590-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	173.0	173.0	173.1	173.2	173.1	173.0	173.0	172.9	172.9	172.9	173.0
115°	201.2	201.1	201.0	200.9	201.0	201.1	201.2	201.3	201.4	201.5	201.6
117.5°	227.9	227.7	227.5	227.3	227.5	227.7	227.9	228.1	228.4	228.8	229.1
120°	246.8	247.0	247.2	247.4	247.2	247.0	246.8	246.5	246.7	247.2	247.8
122.5°	265.2	264.9	264.5	264.2	264.5	264.9	265.2	265.6	266.0	266.4	266.7
125°	293.6	293.3	293.2	292.9	293.2	293.3	293.6	293.8	294.0	294.2	294.4
127.5°	320.2	320.0	319.8	319.7	319.8	320.0	320.2	320.3	320.5	320.7	320.9
130°	338.3	337.9	337.5	337.1	337.5	337.9	338.3	338.8	339.1	339.3	339.5
132.5°	356.2	356.0	355.9	355.7	355.9	356.0	356.2	356.4	356.6	356.8	357.0
135°	382.2	381.9	381.6	381.3	381.6	381.9	382.2	382.5	382.8	383.0	383.2
137.5°	408.0	408.1	408.1	408.2	408.1	408.1	408.0	407.9	408.1	408.3	408.5
140°	424.9	424.8	424.7	424.5	424.7	424.8	424.9	424.9	425.1	425.2	425.3
142.5°	441.0	441.0	440.9	440.9	440.9	441.0	441.0	441.0	441.0	441.1	441.1
145°	464.1	463.7	463.4	463.2	463.4	463.7	464.1	464.4	464.6	464.7	464.8
147.5°	486.0	485.8	485.8	485.7	485.8	485.8	486.0	486.1	486.2	486.2	486.3
150°	499.7	499.6	499.5	499.5	499.5	499.6	499.7	499.9	499.9	499.9	499.9
152.5°	512.9	512.6	512.3	512.1	512.3	512.6	512.9	513.1	513.1	512.9	512.7
155°	530.8	530.4	530.0	529.6	530.0	530.4	530.8	531.3	531.3	530.8	530.4
157.5°	546.4	546.1	545.7	545.4	545.7	546.1	546.4	546.7	546.8	546.5	546.2
160°	555.9	555.3	554.8	554.3	554.8	555.3	555.9	556.4	556.4	556.1	555.9
162.5°	565.2	564.6	564.1	563.6	564.1	564.6	565.2	565.7	565.7	565.1	564.5
165°	576.9	576.5	576.1	575.7	576.1	576.5	576.9	577.3	577.2	576.6	576.0
167.5°	586.3	585.6	585.0	584.3	585.0	585.6	586.3	586.9	586.9	586.3	585.6
170°	591.3	590.6	589.9	589.1	589.9	590.6	591.3	592.1	592.1	591.5	590.8
172.5°	595.4	594.7	593.9	593.3	593.9	594.7	595.4	596.1	596.1	595.5	594.8
175°	599.7	599.0	598.3	597.5	598.3	599.0	599.7	600.4	600.4	599.7	599.0
177.5°	601.8	601.1	600.4	599.7	600.4	601.1	601.8	602.4	602.4	601.9	601.3
180°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3



TEST NUMBER: P332590-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1000.6	1002.0	1007.5	1012.8	1019.0	1023.5	1026.6	1030.0	1037.4	1043.3	1048.8
5°	937.4	939.6	950.9	958.7	972.2	983.8	993.0	1002.9	1014.6	1030.7	1045.5
7.5°	881.9	889.9	902.2	914.9	928.6	944.0	957.3	972.3	992.5	1014.6	1037.3
10°	850.3	859.4	872.5	887.1	900.2	917.9	934.4	952.2	975.2	1002.1	1029.0
12.5°	818.7	833.7	843.6	861.1	875.2	889.8	907.3	930.7	957.5	985.8	1018.2
15°	779.2	787.4	806.5	816.0	836.0	858.5	875.9	899.3	925.3	962.6	999.1
17.5°	733.6	744.4	759.6	777.8	800.7	818.3	839.9	864.0	896.7	933.8	979.4
20°	703.8	712.8	731.5	751.5	775.8	794.3	817.3	840.7	874.6	914.0	961.7
22.5°	677.0	685.8	705.5	724.1	747.6	770.5	794.4	821.7	854.1	895.7	944.4
25°	635.7	647.3	664.7	683.8	706.4	732.4	758.4	782.7	817.3	861.1	913.2
27.5°	599.0	608.4	620.9	642.6	668.2	693.3	719.2	749.7	783.0	829.3	883.4
30°	575.4	584.1	596.6	616.6	640.4	667.3	694.2	723.7	758.4	804.4	859.4
32.5°	556.7	563.3	574.5	592.3	614.1	642.4	668.9	699.4	735.8	781.1	834.8
35°	529.0	534.7	539.0	555.9	575.4	601.4	628.3	660.8	695.9	738.9	792.6
37.5°	501.8	503.8	510.1	521.2	540.1	564.0	589.0	621.0	657.0	700.6	749.1
40°	485.2	486.1	490.0	500.3	516.9	539.4	563.7	595.3	629.6	670.8	718.9
42.5°	468.9	468.4	472.0	479.2	494.6	515.1	539.1	567.9	602.2	640.3	685.6
45°	443.1	443.1	442.3	448.3	460.9	480.9	500.8	528.6	557.2	594.5	632.7
47.5°	416.3	413.8	414.6	417.8	428.3	444.7	464.8	487.5	512.8	544.4	577.8
50°	398.9	395.4	394.1	397.6	407.2	421.4	440.5	460.5	484.4	512.1	540.7
52.5°	379.8	376.3	374.1	376.4	385.3	398.6	415.9	433.4	454.9	477.4	502.2
55°	350.3	346.4	345.1	346.0	352.5	362.9	377.6	393.7	409.8	428.4	445.7
57.5°	321.3	314.9	313.6	313.2	317.7	327.3	339.6	353.5	365.2	376.4	394.9
60°	302.2	294.4	291.8	291.4	294.9	302.6	314.0	327.8	336.1	343.8	359.9
62.5°	281.8	274.3	268.6	269.2	272.3	279.7	289.7	299.7	305.2	313.6	324.5
65°	250.2	240.7	236.4	235.1	236.8	242.8	250.6	257.1	263.2	266.7	277.0
67.5°	218.7	210.7	204.2	202.7	201.9	206.0	212.5	216.4	220.7	223.7	229.9
70°	196.4	189.5	181.6	179.0	178.6	182.1	188.2	188.6	194.7	196.0	202.5
72.5°	174.6	165.9	160.5	157.9	156.1	159.2	163.2	164.4	167.6	170.0	173.3
75°	140.5	134.0	128.8	124.9	123.6	125.3	125.3	127.5	129.6	130.9	134.9
77.5°	110.6	103.1	96.9	94.7	93.1	92.0	92.9	94.2	93.2	95.5	96.4
80°	89.8	81.9	77.2	76.3	73.7	71.6	71.1	72.4	70.7	71.6	74.1
82.5°	69.3	64.2	59.1	58.3	55.0	53.9	53.4	52.7	52.7	52.5	53.0
85°	41.2	38.2	34.7	32.5	31.2	29.0	29.0	28.2	27.3	26.4	26.9
87.5°	18.8	18.0	16.1	14.9	14.0	12.5	12.3	11.0	10.4	9.9	9.3
90°	10.8	10.2	9.4	8.6	7.7	6.9	6.0	4.8	3.7	2.5	1.4
92.5°	18.8	18.4	17.9	17.3	16.7	16.1	15.2	13.9	12.6	11.3	9.9
95°	35.6	35.3	34.7	33.9	33.2	32.4	31.6	30.7	29.8	28.9	27.9
97.5°	56.3	55.9	55.0	54.2	53.3	52.5	51.7	51.0	50.2	49.5	48.8
100°	71.3	71.2	70.2	69.3	68.3	67.4	66.8	66.4	66.0	65.6	65.1
102.5°	87.1	86.7	85.9	85.0	84.2	83.4	82.8	82.7	82.5	82.3	82.2
105°	111.0	110.6	110.2	109.8	109.4	109.0	108.8	108.7	108.5	108.4	108.4
107.5°	136.9	136.6	136.6	136.5	136.4	136.4	136.3	136.2	136.0	135.9	135.7
110°	154.7	154.8	155.0	155.1	155.2	155.2	155.2	155.0	154.8	154.6	154.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	173.0	173.1	173.3	173.4	173.7	173.8	173.9	173.8	173.8	173.7	173.7
115°	201.7	201.8	202.0	202.2	202.4	202.6	202.8	202.8	202.8	202.8	202.8
117.5°	229.4	229.8	229.9	230.1	230.2	230.4	230.4	230.3	230.2	230.2	230.1
120°	248.3	248.7	249.1	249.4	249.7	250.1	250.0	249.6	249.2	248.7	248.3
122.5°	267.0	267.4	267.5	267.7	267.8	268.0	267.9	267.7	267.6	267.4	267.3
125°	294.6	294.8	294.9	295.1	295.1	295.2	295.3	295.3	295.3	295.3	295.3
127.5°	321.1	321.3	321.5	321.6	321.8	322.0	321.9	321.6	321.3	321.0	320.7
130°	339.7	339.9	339.9	339.9	339.9	339.9	339.7	339.5	339.2	338.8	338.5
132.5°	357.2	357.4	357.5	357.6	357.7	357.8	357.7	357.4	357.2	357.0	356.8
135°	383.4	383.6	383.6	383.6	383.6	383.6	383.4	382.7	382.0	381.5	380.8
137.5°	408.9	409.1	409.0	408.8	408.6	408.5	408.2	407.9	407.6	407.3	407.1
140°	425.3	425.5	425.5	425.5	425.5	425.5	425.3	425.2	424.9	424.8	424.5
142.5°	441.1	441.1	441.2	441.2	441.3	441.4	441.4	441.2	441.0	440.8	440.5
145°	464.9	465.0	464.9	464.8	464.7	464.6	464.3	463.9	463.5	463.1	462.7
147.5°	486.4	486.5	486.6	486.7	486.7	486.8	486.7	486.1	485.6	485.1	484.6
150°	499.9	499.9	499.9	499.9	499.9	499.9	499.7	499.3	498.9	498.5	498.0
152.5°	512.4	512.2	512.1	512.0	511.9	511.8	511.7	511.4	511.2	510.9	510.7
155°	530.0	529.6	529.8	529.9	529.9	530.0	530.1	530.1	530.1	530.1	530.1
157.5°	545.8	545.5	545.6	545.6	545.6	545.6	545.8	545.9	546.1	546.3	546.5
160°	555.5	555.2	555.3	555.5	555.5	555.6	555.7	555.9	556.0	556.0	556.1
162.5°	563.9	563.4	563.5	563.6	563.7	563.8	564.0	564.3	564.5	564.8	565.1
165°	575.4	574.8	574.9	575.2	575.4	575.6	575.8	576.2	576.4	576.7	577.1
167.5°	585.1	584.4	584.4	584.4	584.3	584.3	584.6	585.0	585.4	585.9	586.3
170°	590.3	589.6	589.5	589.4	589.3	589.2	589.4	590.0	590.4	591.0	591.5
172.5°	594.0	593.4	593.3	593.3	593.3	593.3	593.5	593.9	594.4	594.8	595.2
175°	598.3	597.5	597.6	597.8	597.9	597.9	598.3	598.8	599.3	599.8	600.3
177.5°	600.7	600.1	600.1	600.1	600.1	600.1	600.3	600.8	601.2	601.6	602.0
180°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3



TEST NUMBER: P332590-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1053.7	1057.1	1061.7	1069.3	1072.0	1075.5	1080.4	1080.0	1081.4	1086.6	1097.7
5°	1057.6	1071.0	1084.0	1099.6	1116.1	1126.9	1141.7	1150.8	1159.9	1171.6	1191.6
7.5°	1059.2	1080.4	1104.3	1131.7	1156.1	1184.2	1206.2	1226.8	1245.4	1270.2	1293.9
10°	1056.7	1085.3	1116.1	1150.8	1187.6	1218.9	1247.1	1279.1	1306.4	1336.4	1363.3
12.5°	1052.2	1086.7	1127.9	1166.8	1209.8	1256.0	1291.1	1323.6	1359.9	1394.3	1435.7
15°	1042.0	1089.2	1137.3	1188.5	1246.2	1299.5	1350.2	1392.3	1431.3	1482.9	1537.2
17.5°	1029.0	1079.9	1140.7	1202.6	1262.8	1323.8	1386.6	1449.8	1499.1	1563.2	1605.6
20°	1016.8	1075.8	1138.2	1211.9	1272.2	1348.1	1410.5	1471.7	1539.3	1603.0	1653.8
22.5°	999.8	1064.4	1130.6	1204.0	1283.3	1359.2	1431.3	1497.7	1565.3	1634.6	1696.1
25°	978.2	1036.7	1115.2	1198.5	1277.4	1359.8	1442.6	1525.8	1598.7	1672.0	1729.2
27.5°	941.4	1015.4	1088.4	1174.4	1262.1	1355.3	1443.8	1531.0	1607.3	1667.5	1703.0
30°	922.8	986.9	1066.2	1152.5	1247.5	1347.7	1440.0	1525.4	1596.5	1644.7	1659.0
32.5°	895.0	961.2	1038.9	1128.2	1228.7	1331.7	1427.8	1508.5	1567.7	1593.0	1575.7
35°	853.8	913.6	992.1	1083.6	1188.1	1297.8	1392.8	1460.9	1491.2	1467.3	1407.9
37.5°	804.4	863.6	942.5	1032.3	1140.4	1252.0	1337.8	1386.8	1376.8	1317.4	1228.9
40°	769.6	825.2	900.2	997.3	1102.7	1214.6	1290.0	1316.5	1288.7	1203.7	1109.6
42.5°	731.2	785.3	860.6	954.3	1065.9	1169.1	1234.9	1237.0	1190.5	1088.9	994.4
45°	672.5	724.1	795.2	892.8	996.0	1093.2	1136.4	1115.2	1029.4	931.4	836.4
47.5°	614.7	659.4	729.5	822.1	920.1	1001.9	1023.4	985.1	893.6	798.5	710.5
50°	572.3	617.4	683.4	771.8	866.3	937.0	947.5	896.7	807.0	711.1	642.2
52.5°	531.7	576.5	640.0	721.9	808.5	872.1	872.5	813.8	724.4	639.0	574.9
55°	472.2	512.5	569.7	643.0	720.2	770.1	758.0	697.2	619.6	545.5	489.5
57.5°	414.8	449.9	502.6	563.8	631.8	672.9	652.7	594.3	525.0	462.1	419.7
60°	377.6	411.1	456.2	513.8	571.0	603.2	584.1	531.2	467.4	416.7	379.8
62.5°	341.6	369.8	413.1	463.2	516.2	540.1	523.0	470.8	415.7	369.9	340.0
65°	290.5	313.5	348.2	391.1	429.7	450.0	435.8	387.2	345.1	312.2	288.4
67.5°	242.8	260.7	287.1	321.5	354.2	365.3	352.3	318.5	282.8	256.4	239.6
70°	209.9	226.8	248.9	275.3	303.9	315.7	302.6	275.7	246.7	222.4	205.9
72.5°	181.1	194.2	212.8	235.5	257.8	269.5	260.7	234.8	210.3	192.2	178.2
75°	137.9	149.2	162.2	178.2	195.6	203.3	195.6	177.8	160.9	147.4	137.5
77.5°	100.3	106.3	116.3	128.3	139.2	145.2	138.4	126.4	116.0	106.8	101.9
80°	76.3	80.6	87.6	97.1	104.5	110.1	105.8	95.8	87.6	81.5	79.3
82.5°	55.5	58.5	62.9	70.0	75.0	77.9	76.0	68.7	65.4	60.0	57.8
85°	27.3	29.0	32.1	34.2	38.6	39.1	39.5	36.4	33.4	32.1	30.3
87.5°	9.9	10.4	11.7	13.0	14.6	15.1	14.9	15.1	13.9	13.6	12.4
90°	2.5	3.7	4.8	6.0	6.9	7.7	8.6	9.4	10.2	10.8	11.5
92.5°	11.3	12.6	13.9	15.2	16.1	16.7	17.3	17.9	18.4	18.8	19.2
95°	28.9	29.8	30.7	31.6	32.4	33.2	33.9	34.7	35.3	35.6	36.0
97.5°	49.5	50.2	51.0	51.7	52.5	53.3	54.2	55.0	55.9	56.3	56.7
100°	65.6	66.0	66.4	66.8	67.4	68.3	69.3	70.2	71.2	71.3	71.6
102.5°	82.3	82.5	82.7	82.8	83.4	84.2	85.0	85.9	86.7	87.1	87.3
105°	108.4	108.5	108.7	108.8	109.0	109.4	109.8	110.2	110.6	111.0	111.3
107.5°	135.9	136.0	136.2	136.3	136.4	136.4	136.5	136.6	136.6	136.9	137.2
110°	154.6	154.8	155.0	155.2	155.2	155.2	155.1	155.0	154.8	154.7	154.4



TEST NUMBER: P332590-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	173.7	173.8	173.8	173.9	173.8	173.7	173.4	173.3	173.1	173.0	173.0
115°	202.8	202.8	202.8	202.8	202.6	202.4	202.2	202.0	201.8	201.7	201.6
117.5°	230.2	230.2	230.3	230.4	230.4	230.2	230.1	229.9	229.8	229.4	229.1
120°	248.7	249.2	249.6	250.0	250.1	249.7	249.4	249.1	248.7	248.3	247.8
122.5°	267.4	267.6	267.7	267.9	268.0	267.8	267.7	267.5	267.4	267.0	266.7
125°	295.3	295.3	295.3	295.3	295.2	295.1	295.1	294.9	294.8	294.6	294.4
127.5°	321.0	321.3	321.6	321.9	322.0	321.8	321.6	321.5	321.3	321.1	320.9
130°	338.8	339.2	339.5	339.7	339.9	339.9	339.9	339.9	339.9	339.7	339.5
132.5°	357.0	357.2	357.4	357.7	357.8	357.7	357.6	357.5	357.4	357.2	357.0
135°	381.5	382.0	382.7	383.4	383.6	383.6	383.6	383.6	383.6	383.4	383.2
137.5°	407.3	407.6	407.9	408.2	408.5	408.6	408.8	409.0	409.1	408.9	408.5
140°	424.8	424.9	425.2	425.3	425.5	425.5	425.5	425.5	425.5	425.3	425.3
142.5°	440.8	441.0	441.2	441.4	441.4	441.3	441.2	441.2	441.1	441.1	441.1
145°	463.1	463.5	463.9	464.3	464.6	464.7	464.8	464.9	465.0	464.9	464.8
147.5°	485.1	485.6	486.1	486.7	486.8	486.7	486.7	486.6	486.5	486.4	486.3
150°	498.5	498.9	499.3	499.7	499.9	499.9	499.9	499.9	499.9	499.9	499.9
152.5°	510.9	511.2	511.4	511.7	511.8	511.9	512.0	512.1	512.2	512.4	512.7
155°	530.1	530.1	530.1	530.1	530.0	529.9	529.9	529.8	529.6	530.0	530.4
157.5°	546.3	546.1	545.9	545.8	545.6	545.6	545.6	545.6	545.5	545.8	546.2
160°	556.0	556.0	555.9	555.7	555.6	555.5	555.5	555.3	555.2	555.5	555.9
162.5°	564.8	564.5	564.3	564.0	563.8	563.7	563.6	563.5	563.4	563.9	564.5
165°	576.7	576.4	576.2	575.8	575.6	575.4	575.2	574.9	574.8	575.4	576.0
167.5°	585.9	585.4	585.0	584.6	584.3	584.3	584.4	584.4	584.4	585.1	585.6
170°	591.0	590.4	590.0	589.4	589.2	589.3	589.4	589.5	589.6	590.3	590.8
172.5°	594.8	594.4	593.9	593.5	593.3	593.3	593.3	593.3	593.4	594.0	594.8
175°	599.8	599.3	598.8	598.3	597.9	597.9	597.8	597.6	597.5	598.3	599.0
177.5°	601.6	601.2	600.8	600.3	600.1	600.1	600.1	600.1	600.1	600.7	601.3
180°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1103.3	1104.0	1107.1	1109.5	1110.2	1113.7	1114.0
5°	1200.2	1207.6	1221.9	1223.2	1225.4	1236.6	1228.0
7.5°	1313.9	1332.5	1345.1	1356.1	1360.1	1365.0	1364.0
10°	1386.7	1414.5	1428.3	1450.4	1451.3	1456.9	1453.4
12.5°	1459.9	1492.2	1517.4	1521.5	1540.1	1543.0	1547.8
15°	1563.6	1597.8	1633.0	1645.5	1671.1	1677.2	1686.8
17.5°	1661.1	1696.1	1720.7	1753.2	1763.7	1777.8	1768.2
20°	1714.5	1752.6	1783.9	1809.5	1820.3	1828.1	1827.2
22.5°	1746.8	1785.3	1810.5	1829.9	1840.0	1843.4	1843.1
25°	1766.9	1789.1	1796.8	1804.3	1793.0	1789.1	1790.8
27.5°	1710.7	1705.0	1684.7	1657.9	1630.2	1608.2	1596.2
30°	1633.4	1599.6	1568.8	1515.0	1487.3	1470.8	1456.0
32.5°	1523.8	1470.2	1411.0	1361.7	1330.2	1305.7	1302.0
35°	1335.9	1255.3	1182.9	1122.6	1091.4	1064.9	1058.8
37.5°	1135.8	1052.0	986.8	933.8	900.2	881.5	864.1
40°	1002.9	931.0	866.7	821.7	796.1	782.7	771.8
42.5°	900.6	834.9	771.0	736.7	713.5	705.3	699.0
45°	759.2	698.1	653.9	627.9	614.4	600.5	594.0
47.5°	646.0	596.3	567.1	545.0	530.7	522.4	518.3
50°	581.9	541.1	515.1	498.2	485.2	478.7	475.2
52.5°	525.0	491.5	469.7	456.2	447.4	442.6	441.2
55°	452.2	426.6	412.8	401.1	394.6	390.3	388.5
57.5°	393.1	373.4	362.2	352.5	350.0	346.3	345.1
60°	354.2	339.1	329.5	323.0	320.9	316.5	317.4
62.5°	319.9	307.5	299.4	295.6	292.8	289.1	290.3
65°	270.6	261.5	257.1	253.6	250.2	248.0	249.7
67.5°	227.1	220.8	214.9	212.9	211.2	210.8	209.0
70°	198.6	193.4	188.2	186.9	186.9	185.2	184.7
72.5°	171.2	167.4	163.9	163.0	161.6	162.2	160.5
75°	132.2	129.2	127.9	126.6	126.2	126.2	124.9
77.5°	97.8	95.5	93.4	93.4	91.8	91.2	91.1
80°	74.1	73.3	71.6	71.6	70.7	71.1	70.3
82.5°	55.8	54.5	54.2	53.5	52.3	52.3	51.5
85°	29.9	28.6	28.2	26.9	26.0	26.9	26.0
87.5°	12.8	12.6	12.3	11.7	11.4	11.4	10.4
90°	12.1	12.7	13.1	13.4	13.5	13.8	13.9
92.5°	19.6	19.9	20.1	20.3	20.4	20.5	20.6
95°	36.3	36.6	36.8	36.8	36.8	36.8	36.8
97.5°	57.0	57.4	57.6	57.6	57.6	57.6	57.6
100°	71.7	72.0	72.1	72.1	72.1	72.1	72.1
102.5°	87.6	87.9	88.1	88.2	88.3	88.4	88.5
105°	111.6	111.9	112.2	112.5	112.8	113.2	113.5
107.5°	137.5	137.8	137.9	137.9	137.9	137.9	137.9
110°	154.3	154.0	154.1	154.4	154.7	155.0	155.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	172.9	172.9	172.9	173.0	173.0	173.1	173.2
115°	201.5	201.4	201.3	201.2	201.1	201.0	200.9
117.5°	228.8	228.4	228.1	227.9	227.7	227.5	227.3
120°	247.2	246.7	246.5	246.8	247.0	247.2	247.4
122.5°	266.4	266.0	265.6	265.2	264.9	264.5	264.2
125°	294.2	294.0	293.8	293.6	293.3	293.2	292.9
127.5°	320.7	320.5	320.3	320.2	320.0	319.8	319.7
130°	339.3	339.1	338.8	338.3	337.9	337.5	337.1
132.5°	356.8	356.6	356.4	356.2	356.0	355.9	355.7
135°	383.0	382.8	382.5	382.2	381.9	381.6	381.3
137.5°	408.3	408.1	407.9	408.0	408.1	408.1	408.2
140°	425.2	425.1	424.9	424.9	424.8	424.7	424.5
142.5°	441.1	441.0	441.0	441.0	441.0	440.9	440.9
145°	464.7	464.6	464.4	464.1	463.7	463.4	463.2
147.5°	486.2	486.2	486.1	486.0	485.8	485.8	485.7
150°	499.9	499.9	499.9	499.7	499.6	499.5	499.5
152.5°	512.9	513.1	513.1	512.9	512.6	512.3	512.1
155°	530.8	531.3	531.3	530.8	530.4	530.0	529.6
157.5°	546.5	546.8	546.7	546.4	546.1	545.7	545.4
160°	556.1	556.4	556.4	555.9	555.3	554.8	554.3
162.5°	565.1	565.7	565.7	565.2	564.6	564.1	563.6
165°	576.6	577.2	577.3	576.9	576.5	576.1	575.7
167.5°	586.3	586.9	586.9	586.3	585.6	585.0	584.3
170°	591.5	592.1	592.1	591.3	590.6	589.9	589.1
172.5°	595.5	596.1	596.1	595.4	594.7	593.9	593.3
175°	599.7	600.4	600.4	599.7	599.0	598.3	597.5
177.5°	601.9	602.4	602.4	601.8	601.1	600.4	599.7
180°	601.3	601.3	601.3	601.3	601.3	601.3	601.3

(END OF REPORT)