

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: P332618-927

Luminaire Tested: **SA4XXDIP-C795D1205U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332618-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D1205U927-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

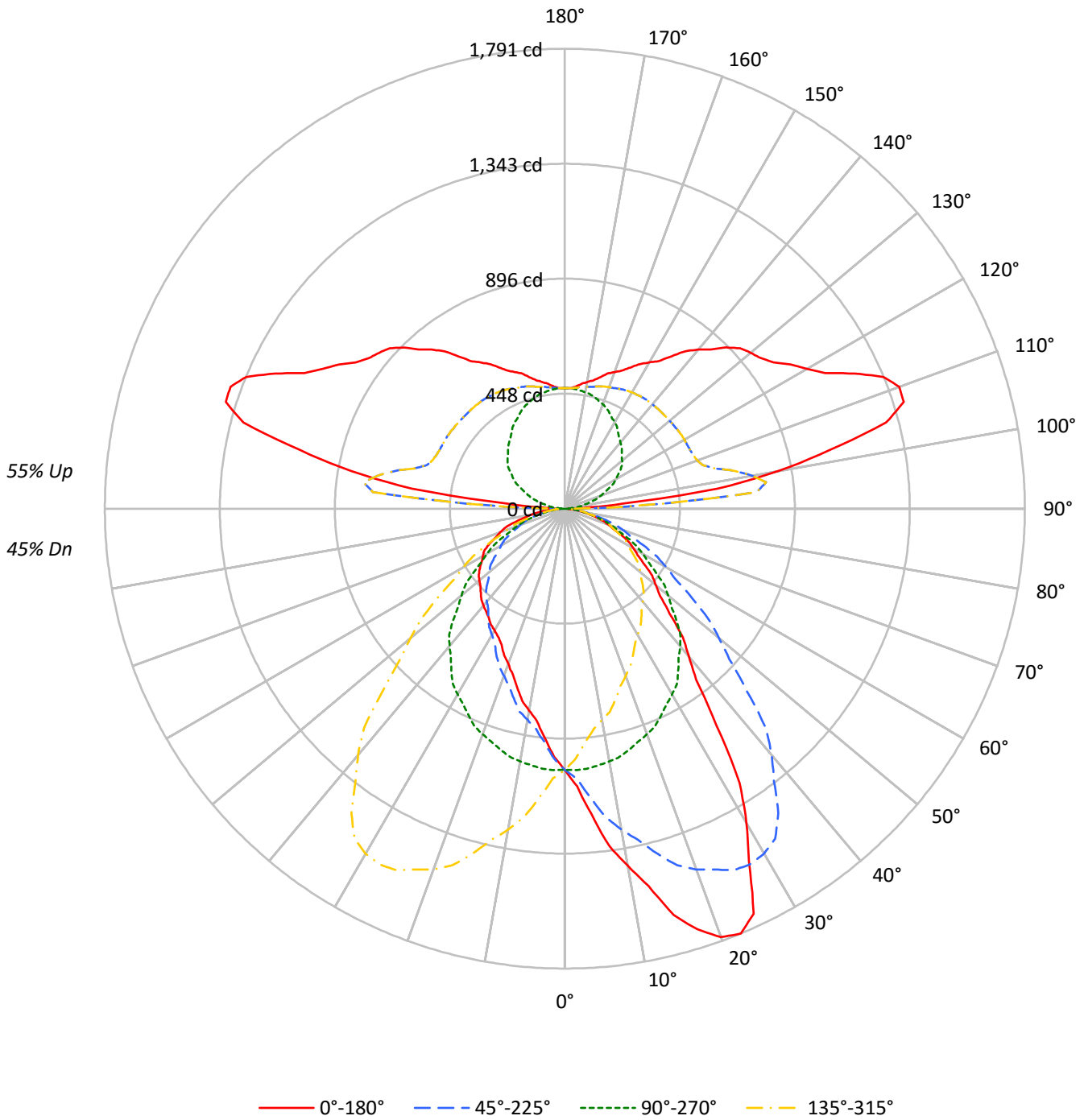
Lumens per Lamp: N/A
Luminaire Lumens: 6216.3 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 56.9
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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	85	89	85	82	79	71	69	67	58	56	55	46	45	44	38				
2	88	81	75	70	81	75	69	65	62	59	55	51	48	46	41	39	37	33				
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	33	29	29	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	19				
7	58	46	38	33	53	42	35	31	36	31	27	30	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8211	8211	8211	8211
5°	9669	8232	7266	8232
10°	11576	8196	6542	8196
15°	13697	8113	6007	8113
20°	15253	8028	5530	8028
25°	15499	7904	5201	7904
30°	13189	7784	5097	7784
35°	10139	7591	5099	7591
40°	7904	7361	5195	7361
45°	6590	7018	5281	7018
50°	5800	6599	5461	6599
55°	5313	6096	5681	6096
60°	4979	5646	5945	5646
65°	4634	5142	6164	5142
70°	4237	4645	6305	4645
75°	3787	4086	6229	4086
80°	3175	3347	6034	3347
85°	2343	2418	5771	2418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	1.6
10°-20°	305.4	4.9
20°-30°	484.3	7.8
30°-40°	539.0	8.7
40°-50°	490.6	7.9
50°-60°	400.9	6.4
60°-70°	286.2	4.6
70°-80°	157.6	2.5
80°-90°	45.6	0.7
90°-100°	338.4	5.4
100°-110°	704.3	11.3
110°-120°	630.9	10.1
120°-130°	530.7	8.5
130°-140°	442.5	7.1
140°-150°	338.0	5.4
150°-160°	237.6	3.8
160°-170°	139.8	2.2
170°-180°	45.5	0.7
0°-30°	888.8	14.3
0°-40°	1427.7	23.0
0°-60°	2319.2	37.3
0°-90°	2808.7	45.2
90°-120°	1673.6	26.9
90°-150°	2984.8	48.0
90°-180°	3408.0	54.8
0°-180°	6216.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1017	1017	1017	1017	1017	
5°	1193	1016	897	1016	1193	121
15°	1639	971	719	971	1639	463
25°	1740	887	584	887	1740	767
35°	1029	770	517	770	1029	653
45°	577	615	463	615	577	455
55°	378	433	404	433	378	341
65°	243	269	323	269	243	240
75°	121	131	200	131	121	129
85°	25	26	62	26	25	31
90°	19	1	19	1	19	17
95°	225	30	225	30	225	349
105°	1295	108	1295	108	1295	1280
115°	1244	190	1244	190	1244	1235
125°	992	264	992	264	992	902
135°	887	314	887	314	887	685
145°	724	362	724	362	724	459
155°	607	412	607	412	607	283
165°	529	448	529	448	529	152
175°	477	468	477	468	477	46
180°	469	469	469	469	469	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1082.4	1082.1	1078.7	1078.1	1075.7	1072.7	1072.0	1066.6	1055.8	1050.8	1049.4
5°	1193.2	1201.6	1190.6	1188.5	1187.2	1173.4	1166.2	1157.8	1138.4	1127.0	1118.2
7.5°	1325.3	1326.3	1321.5	1317.6	1306.9	1294.7	1276.6	1257.2	1234.1	1210.1	1192.0
10°	1412.2	1415.6	1410.2	1409.3	1387.8	1374.4	1347.3	1324.6	1298.5	1269.4	1242.9
12.5°	1504.0	1499.2	1496.4	1478.4	1474.4	1449.9	1418.5	1395.0	1354.8	1321.4	1286.0
15°	1638.9	1629.7	1623.7	1598.9	1586.7	1552.5	1519.2	1493.6	1440.9	1390.8	1352.8
17.5°	1718.1	1727.4	1713.7	1703.5	1671.9	1648.0	1614.0	1560.0	1518.9	1456.6	1408.7
20°	1775.4	1776.2	1768.7	1758.2	1733.3	1703.0	1665.9	1606.9	1557.6	1495.6	1430.0
22.5°	1790.9	1791.1	1787.9	1778.1	1759.2	1734.6	1697.3	1648.0	1588.2	1520.9	1455.2
25°	1740.0	1738.4	1742.2	1753.1	1745.9	1738.4	1716.8	1680.2	1624.6	1553.4	1482.6
27.5°	1550.9	1562.6	1584.0	1610.9	1636.9	1656.7	1662.2	1654.7	1620.3	1561.7	1487.6
30°	1414.8	1429.1	1445.1	1472.0	1524.3	1554.3	1587.1	1611.9	1598.1	1551.3	1482.2
32.5°	1265.1	1268.7	1292.4	1323.1	1371.0	1428.5	1480.6	1531.1	1547.8	1523.3	1465.7
35°	1028.8	1034.7	1060.4	1090.8	1149.4	1219.7	1298.1	1368.0	1425.7	1448.9	1419.4
37.5°	839.6	856.5	874.6	907.3	958.9	1022.2	1103.6	1194.1	1280.1	1337.8	1347.5
40°	750.0	760.5	773.6	798.4	842.2	904.6	974.5	1078.2	1169.6	1252.1	1279.1
42.5°	679.1	685.3	693.3	715.8	749.2	811.2	875.0	966.2	1058.0	1156.7	1201.9
45°	577.2	583.5	597.0	610.1	635.3	678.3	737.7	812.7	905.0	1000.2	1083.6
47.5°	503.6	507.6	515.6	529.6	551.0	579.4	627.7	690.4	775.9	868.3	957.2
50°	461.8	465.1	471.4	484.1	500.5	525.8	565.4	624.0	690.9	784.1	871.2
52.5°	428.7	430.1	434.7	443.3	456.4	477.6	510.1	558.6	620.8	703.9	790.8
55°	377.5	379.2	383.4	389.8	401.1	414.5	439.4	475.6	530.0	602.1	677.5
57.5°	335.3	336.5	340.1	342.5	351.9	362.8	382.0	407.8	449.0	510.1	577.4
60°	308.4	307.5	311.8	313.9	320.2	329.5	344.2	369.1	404.9	454.2	516.1
62.5°	282.1	280.9	284.5	287.2	290.9	298.8	310.9	330.3	359.4	403.9	457.5
65°	242.6	241.0	243.1	246.4	249.9	254.1	262.9	280.2	303.3	335.3	376.2
67.5°	203.0	204.9	205.2	206.8	208.8	214.5	220.6	232.8	249.1	274.8	309.4
70°	179.5	179.9	181.6	181.6	182.8	187.9	193.0	200.1	216.1	239.7	267.9
72.5°	155.9	157.6	157.0	158.4	159.2	162.6	166.4	173.2	186.8	204.3	228.1
75°	121.4	122.6	122.6	123.0	124.3	125.6	128.5	133.6	143.2	156.3	172.8
77.5°	88.5	88.6	89.2	90.8	90.8	92.8	95.0	99.0	103.8	112.7	122.8
80°	68.3	69.1	68.7	69.6	69.6	71.2	72.0	77.1	79.2	85.1	93.1
82.5°	50.1	50.9	50.8	52.0	52.7	53.0	54.2	56.2	58.3	63.5	66.8
85°	25.3	26.1	25.3	26.1	27.4	27.8	29.1	29.5	31.2	32.5	35.4
87.5°	11.2	12.3	12.4	12.6	13.2	13.5	13.6	13.1	14.3	14.7	15.8
90°	19.3	19.3	20.3	19.3	18.4	18.4	17.5	16.6	15.7	16.6	14.7
92.5°	70.9	70.9	74.0	79.0	89.8	108.3	136.0	180.8	243.2	292.0	255.6
95°	224.6	236.5	253.2	281.7	326.8	416.1	539.4	682.1	771.4	750.2	566.1
97.5°	600.4	619.5	647.1	702.5	768.7	864.7	954.7	1007.8	969.2	790.2	529.8
100°	844.1	851.5	879.1	935.3	1015.3	1083.5	1128.5	1110.2	975.7	740.1	480.5
102.5°	1056.2	1062.1	1091.2	1131.9	1181.0	1209.3	1196.3	1105.0	920.5	677.5	447.3
105°	1295.1	1300.7	1313.6	1321.0	1319.1	1281.4	1190.3	1030.9	820.1	603.9	418.8
107.5°	1383.9	1381.5	1372.3	1351.3	1305.8	1223.8	1095.4	925.8	739.2	562.6	413.7
110°	1385.4	1377.1	1360.5	1321.8	1256.5	1155.2	1021.8	862.5	698.7	548.7	415.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1342.0	1328.5	1305.3	1258.5	1184.3	1083.1	957.0	816.1	675.8	542.0	419.5
115°	1243.6	1236.3	1206.8	1151.6	1078.9	990.5	882.8	769.5	654.5	538.5	428.0
117.5°	1144.0	1138.3	1108.5	1062.1	1000.1	925.1	840.4	746.7	644.9	537.6	437.0
120°	1088.1	1077.9	1054.0	1013.5	961.0	895.6	822.0	736.4	639.8	537.6	443.7
122.5°	1043.9	1033.7	1013.5	978.9	934.5	877.3	810.2	727.5	633.9	536.9	450.4
125°	992.3	986.8	969.3	942.6	905.8	855.2	791.6	712.5	624.1	535.8	460.3
127.5°	962.1	956.6	941.9	918.1	881.1	833.1	769.8	694.0	611.0	533.7	468.2
130°	944.4	938.9	924.2	901.2	863.5	814.7	752.1	679.4	602.9	533.0	474.0
132.5°	924.6	919.0	905.1	879.1	842.1	793.3	732.2	663.8	595.6	532.3	479.2
135°	887.4	881.9	867.1	841.4	804.5	758.5	702.3	642.5	584.6	531.2	487.0
137.5°	841.4	834.7	822.6	797.2	762.7	721.1	673.8	623.2	575.0	530.9	491.5
140°	808.2	800.8	788.0	767.7	735.5	696.8	655.4	612.1	569.8	530.2	495.3
142.5°	772.9	767.7	756.3	737.5	709.0	675.5	639.9	601.8	565.4	530.2	498.2
145°	724.5	719.9	710.7	695.0	672.0	646.2	618.6	587.3	557.9	528.4	499.9
147.5°	681.5	679.9	672.9	659.5	642.5	622.3	600.2	575.4	551.0	525.1	500.7
150°	657.3	656.3	650.8	638.8	624.1	607.5	589.1	568.0	545.9	522.8	500.7
152.5°	635.2	634.2	630.9	621.2	608.6	595.0	578.1	559.8	540.0	519.2	499.3
155°	606.7	606.7	603.9	596.5	587.3	576.2	562.4	547.7	531.2	513.7	497.1
157.5°	581.6	581.6	580.0	574.4	567.4	558.6	547.0	534.6	522.1	507.9	494.7
160°	566.1	566.1	565.2	559.7	554.1	546.8	536.6	526.6	515.5	503.5	492.5
162.5°	551.4	552.2	551.2	545.7	541.6	535.0	527.1	518.4	509.6	499.1	490.3
165°	529.3	530.2	531.2	527.4	523.8	519.2	512.7	507.2	499.9	492.5	486.0
167.5°	511.8	512.5	512.7	510.3	508.5	505.7	500.6	496.4	491.0	485.8	481.6
170°	500.7	500.7	501.7	500.7	498.9	496.1	492.5	489.7	485.1	481.4	478.6
172.5°	489.7	491.2	492.1	491.2	490.0	488.1	485.8	483.8	480.0	477.0	475.7
175°	476.8	478.6	480.5	478.6	478.6	478.6	476.8	475.9	474.0	472.2	472.2
177.5°	469.3	470.7	472.2	471.5	472.2	471.5	471.5	470.7	470.0	469.3	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1049.7	1045.0	1041.6	1038.9	1031.6	1027.1	1023.8	1019.1	1013.7	1008.0	1000.8
5°	1109.3	1095.0	1084.5	1068.4	1053.3	1040.6	1027.6	1015.8	1001.5	985.9	974.5
7.5°	1172.0	1150.6	1123.3	1099.6	1073.0	1049.8	1029.1	1007.9	985.8	964.4	944.8
10°	1211.7	1184.3	1154.0	1118.2	1084.5	1054.6	1026.7	999.8	973.7	947.5	925.2
12.5°	1254.5	1220.4	1175.5	1133.7	1095.9	1055.9	1022.4	989.4	957.8	930.3	904.3
15°	1311.9	1262.7	1210.9	1154.8	1105.1	1058.4	1012.4	970.7	935.3	899.0	873.8
17.5°	1347.3	1286.3	1227.0	1168.5	1108.3	1049.3	999.8	951.6	907.4	871.3	839.5
20°	1370.6	1309.9	1236.1	1177.6	1106.0	1045.3	988.0	934.5	888.1	849.8	816.9
22.5°	1390.8	1320.6	1246.9	1169.8	1098.5	1034.2	971.5	917.6	870.3	829.9	798.4
25°	1401.7	1321.2	1241.2	1164.5	1083.6	1007.3	950.5	887.3	836.7	794.2	760.5
27.5°	1402.9	1316.8	1226.3	1141.1	1057.6	986.6	914.7	858.3	805.8	760.8	728.4
30°	1399.2	1309.5	1212.1	1119.8	1036.0	958.9	896.6	835.0	781.6	736.9	703.1
32.5°	1387.3	1294.0	1193.9	1096.2	1009.4	934.0	869.6	811.1	759.0	714.9	679.6
35°	1353.3	1261.0	1154.4	1052.9	963.9	887.7	829.6	770.2	718.0	676.2	642.1
37.5°	1299.9	1216.5	1108.1	1003.1	915.8	839.2	781.6	727.9	680.7	638.3	603.4
40°	1253.4	1180.1	1071.4	969.0	874.6	801.8	747.8	698.5	651.8	611.7	578.5
42.5°	1199.8	1135.9	1035.7	927.2	836.2	763.0	710.4	666.1	622.1	585.1	551.8
45°	1104.2	1062.2	967.7	867.5	772.7	703.6	653.5	614.7	577.7	541.4	513.6
47.5°	994.3	973.5	894.1	798.8	708.8	640.7	597.2	561.4	528.9	498.3	473.7
50°	920.6	910.5	841.8	750.0	664.0	599.9	556.1	525.4	497.6	470.6	447.4
52.5°	847.8	847.4	785.5	701.4	621.9	560.2	516.7	488.0	463.9	442.0	421.1
55°	736.5	748.2	699.8	624.8	553.6	498.0	458.8	433.1	416.3	398.2	382.5
57.5°	634.2	653.8	613.9	547.8	488.4	437.1	403.1	383.7	365.8	354.8	343.5
60°	567.5	586.1	554.8	499.2	443.2	399.4	366.9	349.7	334.1	326.5	318.5
62.5°	508.2	524.7	501.6	450.0	401.4	359.3	331.9	315.3	304.8	296.5	291.2
65°	423.4	437.3	417.6	380.0	338.3	304.6	282.3	269.2	259.1	255.7	249.9
67.5°	342.3	354.9	344.2	312.4	278.9	253.3	235.9	223.4	217.4	214.4	210.2
70°	294.1	306.7	295.3	267.5	241.9	220.4	203.9	196.8	190.4	189.2	183.2
72.5°	253.3	261.9	250.5	228.8	206.8	188.7	175.9	168.4	165.2	162.9	159.7
75°	190.0	197.6	190.0	173.2	157.6	145.0	134.0	131.0	127.2	126.0	123.9
77.5°	134.5	141.1	135.2	124.7	113.0	103.3	97.4	93.6	92.8	90.5	91.6
80°	102.8	107.0	101.6	94.3	85.1	78.3	74.1	72.0	69.6	68.7	70.3
82.5°	73.8	75.7	72.9	68.0	61.2	56.8	53.9	51.5	51.0	51.2	51.2
85°	38.3	37.9	37.5	33.3	31.2	28.2	26.5	26.1	25.7	26.5	27.4
87.5°	15.4	15.7	14.3	12.9	11.7	10.5	9.7	9.0	9.7	10.5	11.1
90°	12.9	12.9	7.4	7.4	6.4	5.5	2.8	1.0	2.8	5.5	6.4
92.5°	185.9	114.5	67.7	48.6	35.2	23.9	15.3	10.5	15.3	23.9	35.2
95°	346.1	195.1	115.1	76.4	54.3	42.4	33.1	30.3	33.1	42.4	54.3
97.5°	311.2	186.5	124.8	92.4	73.4	62.4	54.5	54.5	54.5	62.4	73.4
100°	292.7	188.7	134.4	105.0	87.5	76.4	69.9	69.9	69.9	76.4	87.5
102.5°	287.6	196.1	146.9	118.9	102.2	91.9	86.2	84.7	86.2	91.9	102.2
105°	289.9	213.6	169.4	142.7	126.1	115.1	110.4	107.7	110.4	115.1	126.1
107.5°	303.6	234.0	193.5	167.2	151.3	139.6	134.9	133.1	134.9	139.6	151.3
110°	313.9	249.5	209.0	184.1	167.5	156.5	151.9	150.0	151.9	156.5	167.5



TEST NUMBER: P332618-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	325.0	264.2	225.1	200.3	183.7	173.4	168.1	166.3	168.1	173.4	183.7
115°	342.5	287.2	250.4	225.5	208.0	198.8	192.4	189.6	192.4	198.8	208.0
117.5°	360.3	309.5	274.5	248.7	232.3	222.2	216.5	213.9	216.5	222.2	232.3
120°	372.8	325.0	289.9	264.2	248.5	238.4	232.0	230.1	232.0	238.4	248.5
122.5°	384.6	339.7	304.7	279.6	262.5	253.2	246.7	244.9	246.7	253.2	262.5
125°	402.3	359.9	326.8	301.0	283.5	273.4	267.8	264.2	267.8	273.4	283.5
127.5°	417.6	378.7	346.7	320.7	302.5	290.9	284.2	281.3	284.2	290.9	302.5
130°	427.1	391.3	359.9	333.2	315.8	301.9	294.5	290.9	294.5	301.9	315.8
132.5°	436.7	401.6	370.3	345.0	326.1	313.0	303.4	300.5	303.4	313.0	326.1
135°	449.2	416.1	385.7	361.8	342.5	326.8	317.6	313.9	317.6	326.8	342.5
137.5°	458.0	427.1	398.8	376.0	355.8	341.0	330.8	327.3	330.8	341.0	355.8
140°	463.9	434.5	406.9	384.8	365.4	349.8	339.7	336.9	339.7	349.8	365.4
142.5°	468.3	441.1	414.2	392.8	374.3	359.3	350.0	347.2	350.0	359.3	374.3
145°	473.2	448.3	424.4	404.1	386.6	373.8	364.6	361.8	364.6	373.8	386.6
147.5°	477.4	455.7	433.2	414.9	400.4	387.1	379.1	378.1	379.1	387.1	400.4
150°	479.6	459.3	439.1	421.6	407.8	396.7	389.4	388.5	389.4	396.7	407.8
152.5°	481.1	462.3	444.3	428.3	415.9	405.6	398.2	398.0	398.2	405.6	415.9
155°	482.4	466.7	451.1	437.3	427.1	417.9	412.4	411.5	412.4	417.9	427.1
157.5°	482.4	469.8	456.6	445.7	436.9	429.7	424.5	424.5	424.5	429.7	436.9
160°	482.4	471.3	460.3	450.1	442.8	436.3	432.6	432.6	432.6	436.3	442.8
162.5°	482.4	472.8	462.5	454.6	447.9	442.2	439.3	440.0	439.3	442.2	447.9
165°	480.5	473.2	464.9	459.3	454.7	450.1	448.3	448.3	448.3	450.1	454.7
167.5°	478.3	472.9	466.9	462.6	460.1	456.6	455.7	456.6	455.7	456.6	460.1
170°	476.8	472.2	467.6	464.9	463.0	460.3	459.3	460.3	459.3	460.3	463.0
172.5°	475.4	471.5	468.3	466.4	465.2	463.2	463.0	463.9	463.0	463.2	465.2
175°	473.2	470.4	468.6	468.6	467.6	466.7	466.7	467.6	466.7	466.7	467.6
177.5°	470.7	469.3	468.6	468.6	468.6	467.8	468.6	469.3	468.6	467.8	468.6
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332618-927

CATALOG NUMBER: SA4XXDIP-C795D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	997.5	994.5	990.1	984.0	979.0	973.6	972.2	970.2	974.2	970.9	969.9
5°	964.8	955.9	944.6	931.5	923.9	913.0	910.9	906.7	902.5	902.1	897.8
7.5°	930.2	917.2	902.3	889.0	876.6	864.7	856.9	855.2	849.0	845.3	841.1
10°	907.9	891.9	874.6	862.0	847.7	835.0	826.2	821.2	816.9	812.3	808.1
12.5°	881.6	864.6	850.4	836.7	819.7	810.1	795.5	786.8	785.9	786.0	775.1
15°	851.0	834.2	812.3	792.9	783.6	765.1	757.1	746.9	740.7	734.4	729.3
17.5°	816.1	795.1	778.0	755.7	738.1	723.3	712.8	706.7	697.2	688.2	681.8
20°	794.2	771.8	753.8	730.2	710.7	692.6	683.8	675.3	668.2	660.6	653.5
22.5°	771.9	748.6	726.4	703.5	685.5	666.4	657.8	646.3	639.5	635.3	628.2
25°	736.9	711.6	686.3	664.4	645.9	629.0	617.7	608.8	601.2	597.9	593.2
27.5°	698.8	673.7	649.3	624.4	603.3	591.1	582.0	575.4	570.9	566.5	564.4
30°	674.5	648.4	622.3	599.1	579.7	567.5	559.0	554.4	551.0	549.0	546.8
32.5°	649.9	624.2	596.7	575.5	558.2	547.3	540.9	536.2	534.6	533.8	533.1
35°	610.5	584.4	559.0	540.1	523.7	519.5	514.0	511.5	510.6	513.6	514.8
37.5°	572.3	548.0	524.8	506.4	495.7	489.5	487.6	487.7	490.8	493.4	496.4
40°	547.7	524.1	502.2	486.2	476.1	472.3	471.4	473.6	476.9	479.9	483.2
42.5°	523.8	500.5	480.6	465.6	458.6	455.1	455.6	457.7	462.4	466.0	471.1
45°	486.6	467.2	447.8	435.6	429.8	430.6	430.6	434.4	439.0	444.5	450.0
47.5°	451.6	432.1	416.1	405.9	402.8	402.1	404.5	409.4	416.1	422.9	430.5
50°	428.0	409.5	395.6	386.3	382.9	384.2	387.6	392.2	400.2	408.7	416.7
52.5°	404.1	387.3	374.4	365.8	363.5	365.7	369.1	376.4	383.4	392.5	402.2
55°	366.9	352.6	342.5	336.2	335.3	336.6	340.4	348.4	358.5	369.9	379.2
57.5°	329.9	318.0	308.7	304.4	304.8	305.9	312.2	321.7	332.5	344.6	356.6
60°	305.1	294.1	286.5	283.1	283.5	286.1	293.7	302.5	316.0	327.8	340.4
62.5°	281.5	271.8	264.6	261.6	260.9	266.5	273.8	283.0	296.4	309.6	323.2
65°	243.5	235.9	230.0	228.4	229.7	233.9	243.1	255.3	266.7	280.6	294.9
67.5°	206.4	200.2	196.1	196.9	198.4	204.7	212.5	222.9	235.8	250.3	264.4
70°	182.8	177.0	173.6	174.0	176.5	184.1	190.8	201.4	215.3	230.0	241.9
72.5°	158.6	154.7	151.7	153.4	156.0	161.2	169.6	180.1	192.3	206.1	218.6
75°	121.8	121.8	120.1	121.4	125.2	130.2	136.5	147.4	159.7	170.6	180.8
77.5°	90.3	89.4	90.5	92.1	94.2	100.2	107.4	115.3	124.5	135.4	143.8
80°	69.1	69.6	71.6	74.1	75.0	79.6	87.2	94.3	101.6	110.8	118.8
82.5°	51.9	52.4	53.4	56.6	57.4	62.4	67.3	74.5	81.0	87.2	93.9
85°	28.2	28.2	30.3	31.6	33.7	37.1	40.0	44.2	50.1	54.3	60.7
87.5°	12.3	12.3	14.7	15.4	16.8	18.9	19.3	23.2	24.7	26.6	29.6
90°	7.4	7.4	12.9	12.9	14.7	16.6	15.7	16.6	17.5	18.4	18.4
92.5°	48.6	67.7	114.5	185.9	255.6	292.0	243.2	180.8	136.0	108.3	89.8
95°	76.4	115.1	195.1	346.1	566.1	750.2	771.4	682.1	539.4	416.1	326.8
97.5°	92.4	124.8	186.5	311.2	529.8	790.2	969.2	1007.8	954.7	864.7	768.7
100°	105.0	134.4	188.7	292.7	480.5	740.1	975.7	1110.2	1128.5	1083.5	1015.3
102.5°	118.9	146.9	196.1	287.6	447.3	677.5	920.5	1105.0	1196.3	1209.3	1181.0
105°	142.7	169.4	213.6	289.9	418.8	603.9	820.1	1030.9	1190.3	1281.4	1319.1
107.5°	167.2	193.5	234.0	303.6	413.7	562.6	739.2	925.8	1095.4	1223.8	1305.8
110°	184.1	209.0	249.5	313.9	415.2	548.7	698.7	862.5	1021.8	1155.2	1256.5



TEST NUMBER: P332618-927

CATALOG NUMBER: SA4XXDIP-C795D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	200.3	225.1	264.2	325.0	419.5	542.0	675.8	816.1	957.0	1083.1	1184.3
115°	225.5	250.4	287.2	342.5	428.0	538.5	654.5	769.5	882.8	990.5	1078.9
117.5°	248.7	274.5	309.5	360.3	437.0	537.6	644.9	746.7	840.4	925.1	1000.1
120°	264.2	289.9	325.0	372.8	443.7	537.6	639.8	736.4	822.0	895.6	961.0
122.5°	279.6	304.7	339.7	384.6	450.4	536.9	633.9	727.5	810.2	877.3	934.5
125°	301.0	326.8	359.9	402.3	460.3	535.8	624.1	712.5	791.6	855.2	905.8
127.5°	320.7	346.7	378.7	417.6	468.2	533.7	611.0	694.0	769.8	833.1	881.1
130°	333.2	359.9	391.3	427.1	474.0	533.0	602.9	679.4	752.1	814.7	863.5
132.5°	345.0	370.3	401.6	436.7	479.2	532.3	595.6	663.8	732.2	793.3	842.1
135°	361.8	385.7	416.1	449.2	487.0	531.2	584.6	642.5	702.3	758.5	804.5
137.5°	376.0	398.8	427.1	458.0	491.5	530.9	575.0	623.2	673.8	721.1	762.7
140°	384.8	406.9	434.5	463.9	495.3	530.2	569.8	612.1	655.4	696.8	735.5
142.5°	392.8	414.2	441.1	468.3	498.2	530.2	565.4	601.8	639.9	675.5	709.0
145°	404.1	424.4	448.3	473.2	499.9	528.4	557.9	587.3	618.6	646.2	672.0
147.5°	414.9	433.2	455.7	477.4	500.7	525.1	551.0	575.4	600.2	622.3	642.5
150°	421.6	439.1	459.3	479.6	500.7	522.8	545.9	568.0	589.1	607.5	624.1
152.5°	428.3	444.3	462.3	481.1	499.3	519.2	540.0	559.8	578.1	595.0	608.6
155°	437.3	451.1	466.7	482.4	497.1	513.7	531.2	547.7	562.4	576.2	587.3
157.5°	445.7	456.6	469.8	482.4	494.7	507.9	522.1	534.6	547.0	558.6	567.4
160°	450.1	460.3	471.3	482.4	492.5	503.5	515.5	526.6	536.6	546.8	554.1
162.5°	454.6	462.5	472.8	482.4	490.3	499.1	509.6	518.4	527.1	535.0	541.6
165°	459.3	464.9	473.2	480.5	486.0	492.5	499.9	507.2	512.7	519.2	523.8
167.5°	462.6	466.9	472.9	478.3	481.6	485.8	491.0	496.4	500.6	505.7	508.5
170°	464.9	467.6	472.2	476.8	478.6	481.4	485.1	489.7	492.5	496.1	498.9
172.5°	466.4	468.3	471.5	475.4	475.7	477.0	480.0	483.8	485.8	488.1	490.0
175°	468.6	468.6	470.4	473.2	472.2	472.2	474.0	475.9	476.8	478.6	478.6
177.5°	468.6	468.6	469.3	470.7	469.3	469.3	470.0	470.7	471.5	471.5	472.2
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332618-927

CATALOG NUMBER: SA4XXDIP-C795D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	969.2	968.5	966.1	965.8	966.1	968.5	969.2	969.9	970.9	974.2	970.2
5°	895.3	893.2	891.9	896.6	891.9	893.2	895.3	897.8	902.1	902.5	906.7
7.5°	839.6	837.9	834.2	833.1	834.2	837.9	839.6	841.1	845.3	849.0	855.2
10°	803.8	802.2	798.8	798.0	798.8	802.2	803.8	808.1	812.3	816.9	821.2
12.5°	769.4	766.1	765.4	766.3	765.4	766.1	769.4	775.1	786.0	785.9	786.8
15°	723.8	722.2	717.5	718.7	717.5	722.2	723.8	729.3	734.4	740.7	746.9
17.5°	678.8	676.8	671.1	676.1	671.1	676.8	678.8	681.8	688.2	697.2	706.7
20°	650.5	647.1	644.2	643.7	644.2	647.1	650.5	653.5	660.6	668.2	675.3
22.5°	623.5	620.5	620.3	617.5	620.3	620.5	623.5	628.2	635.3	639.5	646.3
25°	589.9	586.9	586.1	583.9	586.1	586.9	589.9	593.2	597.9	601.2	608.8
27.5°	564.0	562.5	561.0	561.7	561.0	562.5	564.0	564.4	566.5	570.9	575.4
30°	548.1	547.7	546.8	546.8	546.8	547.7	548.1	546.8	549.0	551.0	554.4
32.5°	535.0	534.9	535.4	535.4	535.4	534.9	535.0	533.1	533.8	534.6	536.2
35°	516.5	517.8	518.6	517.4	518.6	517.8	516.5	514.8	513.6	510.6	511.5
37.5°	499.9	501.1	502.3	503.7	502.3	501.1	499.9	496.4	493.4	490.8	487.7
40°	487.0	490.0	490.8	493.0	490.8	490.0	487.0	483.2	479.9	476.9	473.6
42.5°	474.9	478.2	480.4	480.8	480.4	478.2	474.9	471.1	466.0	462.4	457.7
45°	456.3	459.6	462.6	462.6	462.6	459.6	456.3	450.0	444.5	439.0	434.4
47.5°	437.0	441.9	444.8	445.6	444.8	441.9	437.0	430.5	422.9	416.1	409.4
50°	423.8	429.8	432.7	434.8	432.7	429.8	423.8	416.7	408.7	400.2	392.2
52.5°	411.1	416.9	420.9	422.0	420.9	416.9	411.1	402.2	392.5	383.4	376.4
55°	388.9	397.3	402.0	403.6	402.0	397.3	388.9	379.2	369.9	358.5	348.4
57.5°	368.0	375.7	381.1	382.4	381.1	375.7	368.0	356.6	344.6	332.5	321.7
60°	351.8	360.2	366.9	368.2	366.9	360.2	351.8	340.4	327.8	316.0	302.5
62.5°	335.3	344.0	350.1	353.4	350.1	344.0	335.3	323.2	309.6	296.4	283.0
65°	306.7	315.5	321.5	322.7	321.5	315.5	306.7	294.9	280.6	266.7	255.3
67.5°	275.5	284.4	288.3	290.7	288.3	284.4	275.5	264.4	250.3	235.8	222.9
70°	253.7	260.8	265.0	267.1	265.0	260.8	253.7	241.9	230.0	215.3	201.4
72.5°	228.7	236.1	241.1	241.5	241.1	236.1	228.7	218.6	206.1	192.3	180.1
75°	190.4	197.2	199.7	199.7	199.7	197.2	190.4	180.8	170.6	159.7	147.4
77.5°	150.8	154.2	157.4	158.0	157.4	154.2	150.8	143.8	135.4	124.5	115.3
80°	125.2	127.2	129.8	129.8	129.8	127.2	125.2	118.8	110.8	101.6	94.3
82.5°	98.9	100.6	103.1	102.8	103.1	100.6	98.9	93.9	87.2	81.0	74.5
85°	59.8	63.6	63.2	62.3	63.2	63.6	59.8	60.7	54.3	50.1	44.2
87.5°	30.8	31.4	32.2	32.9	32.2	31.4	30.8	29.6	26.6	24.7	23.2
90°	19.3	20.3	19.3	19.3	19.3	20.3	19.3	18.4	18.4	17.5	16.6
92.5°	79.0	74.0	70.9	70.9	70.9	74.0	79.0	89.8	108.3	136.0	180.8
95°	281.7	253.2	236.5	224.6	236.5	253.2	281.7	326.8	416.1	539.4	682.1
97.5°	702.5	647.1	619.5	600.4	619.5	647.1	702.5	768.7	864.7	954.7	1007.8
100°	935.3	879.1	851.5	844.1	851.5	879.1	935.3	1015.3	1083.5	1128.5	1110.2
102.5°	1131.9	1091.2	1062.1	1056.2	1062.1	1091.2	1131.9	1181.0	1209.3	1196.3	1105.0
105°	1321.0	1313.6	1300.7	1295.1	1300.7	1313.6	1321.0	1319.1	1281.4	1190.3	1030.9
107.5°	1351.3	1372.3	1381.5	1383.9	1381.5	1372.3	1351.3	1305.8	1223.8	1095.4	925.8
110°	1321.8	1360.5	1377.1	1385.4	1377.1	1360.5	1321.8	1256.5	1155.2	1021.8	862.5



TEST NUMBER: P332618-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1258.5	1305.3	1328.5	1342.0	1328.5	1305.3	1258.5	1184.3	1083.1	957.0	816.1
115°	1151.6	1206.8	1236.3	1243.6	1236.3	1206.8	1151.6	1078.9	990.5	882.8	769.5
117.5°	1062.1	1108.5	1138.3	1144.0	1138.3	1108.5	1062.1	1000.1	925.1	840.4	746.7
120°	1013.5	1054.0	1077.9	1088.1	1077.9	1054.0	1013.5	961.0	895.6	822.0	736.4
122.5°	978.9	1013.5	1033.7	1043.9	1033.7	1013.5	978.9	934.5	877.3	810.2	727.5
125°	942.6	969.3	986.8	992.3	986.8	969.3	942.6	905.8	855.2	791.6	712.5
127.5°	918.1	941.9	956.6	962.1	956.6	941.9	918.1	881.1	833.1	769.8	694.0
130°	901.2	924.2	938.9	944.4	938.9	924.2	901.2	863.5	814.7	752.1	679.4
132.5°	879.1	905.1	919.0	924.6	919.0	905.1	879.1	842.1	793.3	732.2	663.8
135°	841.4	867.1	881.9	887.4	881.9	867.1	841.4	804.5	758.5	702.3	642.5
137.5°	797.2	822.6	834.7	841.4	834.7	822.6	797.2	762.7	721.1	673.8	623.2
140°	767.7	788.0	800.8	808.2	800.8	788.0	767.7	735.5	696.8	655.4	612.1
142.5°	737.5	756.3	767.7	772.9	767.7	756.3	737.5	709.0	675.5	639.9	601.8
145°	695.0	710.7	719.9	724.5	719.9	710.7	695.0	672.0	646.2	618.6	587.3
147.5°	659.5	672.9	679.9	681.5	679.9	672.9	659.5	642.5	622.3	600.2	575.4
150°	638.8	650.8	656.3	657.3	656.3	650.8	638.8	624.1	607.5	589.1	568.0
152.5°	621.2	630.9	634.2	635.2	634.2	630.9	621.2	608.6	595.0	578.1	559.8
155°	596.5	603.9	606.7	606.7	606.7	603.9	596.5	587.3	576.2	562.4	547.7
157.5°	574.4	580.0	581.6	581.6	581.6	580.0	574.4	567.4	558.6	547.0	534.6
160°	559.7	565.2	566.1	566.1	566.1	565.2	559.7	554.1	546.8	536.6	526.6
162.5°	545.7	551.2	552.2	551.4	552.2	551.2	545.7	541.6	535.0	527.1	518.4
165°	527.4	531.2	530.2	529.3	530.2	531.2	527.4	523.8	519.2	512.7	507.2
167.5°	510.3	512.7	512.5	511.8	512.5	512.7	510.3	508.5	505.7	500.6	496.4
170°	500.7	501.7	500.7	500.7	500.7	501.7	500.7	498.9	496.1	492.5	489.7
172.5°	491.2	492.1	491.2	489.7	491.2	492.1	491.2	490.0	488.1	485.8	483.8
175°	478.6	480.5	478.6	476.8	478.6	480.5	478.6	478.6	478.6	476.8	475.9
177.5°	471.5	472.2	470.7	469.3	470.7	472.2	471.5	472.2	471.5	471.5	470.7
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332618-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	972.2	973.6	979.0	984.0	990.1	994.5	997.5	1000.8	1008.0	1013.7	1019.1
5°	910.9	913.0	923.9	931.5	944.6	955.9	964.8	974.5	985.9	1001.5	1015.8
7.5°	856.9	864.7	876.6	889.0	902.3	917.2	930.2	944.8	964.4	985.8	1007.9
10°	826.2	835.0	847.7	862.0	874.6	891.9	907.9	925.2	947.5	973.7	999.8
12.5°	795.5	810.1	819.7	836.7	850.4	864.6	881.6	904.3	930.3	957.8	989.4
15°	757.1	765.1	783.6	792.9	812.3	834.2	851.0	873.8	899.0	935.3	970.7
17.5°	712.8	723.3	738.1	755.7	778.0	795.1	816.1	839.5	871.3	907.4	951.6
20°	683.8	692.6	710.7	730.2	753.8	771.8	794.2	816.9	849.8	888.1	934.5
22.5°	657.8	666.4	685.5	703.5	726.4	748.6	771.9	798.4	829.9	870.3	917.6
25°	617.7	629.0	645.9	664.4	686.3	711.6	736.9	760.5	794.2	836.7	887.3
27.5°	582.0	591.1	603.3	624.4	649.3	673.7	698.8	728.4	760.8	805.8	858.3
30°	559.0	567.5	579.7	599.1	622.3	648.4	674.5	703.1	736.9	781.6	835.0
32.5°	540.9	547.3	558.2	575.5	596.7	624.2	649.9	679.6	714.9	759.0	811.1
35°	514.0	519.5	523.7	540.1	559.0	584.4	610.5	642.1	676.2	718.0	770.2
37.5°	487.6	489.5	495.7	506.4	524.8	548.0	572.3	603.4	638.3	680.7	727.9
40°	471.4	472.3	476.1	486.2	502.2	524.1	547.7	578.5	611.7	651.8	698.5
42.5°	455.6	455.1	458.6	465.6	480.6	500.5	523.8	551.8	585.1	622.1	666.1
45°	430.6	430.6	429.8	435.6	447.8	467.2	486.6	513.6	541.4	577.7	614.7
47.5°	404.5	402.1	402.8	405.9	416.1	432.1	451.6	473.7	498.3	528.9	561.4
50°	387.6	384.2	382.9	386.3	395.6	409.5	428.0	447.4	470.6	497.6	525.4
52.5°	369.1	365.7	363.5	365.8	374.4	387.3	404.1	421.1	442.0	463.9	488.0
55°	340.4	336.6	335.3	336.2	342.5	352.6	366.9	382.5	398.2	416.3	433.1
57.5°	312.2	305.9	304.8	304.4	308.7	318.0	329.9	343.5	354.8	365.8	383.7
60°	293.7	286.1	283.5	283.1	286.5	294.1	305.1	318.5	326.5	334.1	349.7
62.5°	273.8	266.5	260.9	261.6	264.6	271.8	281.5	291.2	296.5	304.8	315.3
65°	243.1	233.9	229.7	228.4	230.0	235.9	243.5	249.9	255.7	259.1	269.2
67.5°	212.5	204.7	198.4	196.9	196.1	200.2	206.4	210.2	214.4	217.4	223.4
70°	190.8	184.1	176.5	174.0	173.6	177.0	182.8	183.2	189.2	190.4	196.8
72.5°	169.6	161.2	156.0	153.4	151.7	154.7	158.6	159.7	162.9	165.2	168.4
75°	136.5	130.2	125.2	121.4	120.1	121.8	121.8	123.9	126.0	127.2	131.0
77.5°	107.4	100.2	94.2	92.1	90.5	89.4	90.3	91.6	90.5	92.8	93.6
80°	87.2	79.6	75.0	74.1	71.6	69.6	69.1	70.3	68.7	69.6	72.0
82.5°	67.3	62.4	57.4	56.6	53.4	52.4	51.9	51.2	51.2	51.0	51.5
85°	40.0	37.1	33.7	31.6	30.3	28.2	28.2	27.4	26.5	25.7	26.1
87.5°	19.3	18.9	16.8	15.4	14.7	12.3	12.3	11.1	10.5	9.7	9.0
90°	15.7	16.6	14.7	12.9	12.9	7.4	7.4	6.4	5.5	2.8	1.0
92.5°	243.2	292.0	255.6	185.9	114.5	67.7	48.6	35.2	23.9	15.3	10.5
95°	771.4	750.2	566.1	346.1	195.1	115.1	76.4	54.3	42.4	33.1	30.3
97.5°	969.2	790.2	529.8	311.2	186.5	124.8	92.4	73.4	62.4	54.5	54.5
100°	975.7	740.1	480.5	292.7	188.7	134.4	105.0	87.5	76.4	69.9	69.9
102.5°	920.5	677.5	447.3	287.6	196.1	146.9	118.9	102.2	91.9	86.2	84.7
105°	820.1	603.9	418.8	289.9	213.6	169.4	142.7	126.1	115.1	110.4	107.7
107.5°	739.2	562.6	413.7	303.6	234.0	193.5	167.2	151.3	139.6	134.9	133.1
110°	698.7	548.7	415.2	313.9	249.5	209.0	184.1	167.5	156.5	151.9	150.0



TEST NUMBER: P332618-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	675.8	542.0	419.5	325.0	264.2	225.1	200.3	183.7	173.4	168.1	166.3
115°	654.5	538.5	428.0	342.5	287.2	250.4	225.5	208.0	198.8	192.4	189.6
117.5°	644.9	537.6	437.0	360.3	309.5	274.5	248.7	232.3	222.2	216.5	213.9
120°	639.8	537.6	443.7	372.8	325.0	289.9	264.2	248.5	238.4	232.0	230.1
122.5°	633.9	536.9	450.4	384.6	339.7	304.7	279.6	262.5	253.2	246.7	244.9
125°	624.1	535.8	460.3	402.3	359.9	326.8	301.0	283.5	273.4	267.8	264.2
127.5°	611.0	533.7	468.2	417.6	378.7	346.7	320.7	302.5	290.9	284.2	281.3
130°	602.9	533.0	474.0	427.1	391.3	359.9	333.2	315.8	301.9	294.5	290.9
132.5°	595.6	532.3	479.2	436.7	401.6	370.3	345.0	326.1	313.0	303.4	300.5
135°	584.6	531.2	487.0	449.2	416.1	385.7	361.8	342.5	326.8	317.6	313.9
137.5°	575.0	530.9	491.5	458.0	427.1	398.8	376.0	355.8	341.0	330.8	327.3
140°	569.8	530.2	495.3	463.9	434.5	406.9	384.8	365.4	349.8	339.7	336.9
142.5°	565.4	530.2	498.2	468.3	441.1	414.2	392.8	374.3	359.3	350.0	347.2
145°	557.9	528.4	499.9	473.2	448.3	424.4	404.1	386.6	373.8	364.6	361.8
147.5°	551.0	525.1	500.7	477.4	455.7	433.2	414.9	400.4	387.1	379.1	378.1
150°	545.9	522.8	500.7	479.6	459.3	439.1	421.6	407.8	396.7	389.4	388.5
152.5°	540.0	519.2	499.3	481.1	462.3	444.3	428.3	415.9	405.6	398.2	398.0
155°	531.2	513.7	497.1	482.4	466.7	451.1	437.3	427.1	417.9	412.4	411.5
157.5°	522.1	507.9	494.7	482.4	469.8	456.6	445.7	436.9	429.7	424.5	424.5
160°	515.5	503.5	492.5	482.4	471.3	460.3	450.1	442.8	436.3	432.6	432.6
162.5°	509.6	499.1	490.3	482.4	472.8	462.5	454.6	447.9	442.2	439.3	440.0
165°	499.9	492.5	486.0	480.5	473.2	464.9	459.3	454.7	450.1	448.3	448.3
167.5°	491.0	485.8	481.6	478.3	472.9	466.9	462.6	460.1	456.6	455.7	456.6
170°	485.1	481.4	478.6	476.8	472.2	467.6	464.9	463.0	460.3	459.3	460.3
172.5°	480.0	477.0	475.7	475.4	471.5	468.3	466.4	465.2	463.2	463.0	463.9
175°	474.0	472.2	472.2	473.2	470.4	468.6	468.6	467.6	466.7	466.7	467.6
177.5°	470.0	469.3	469.3	470.7	469.3	468.6	468.6	468.6	467.8	468.6	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332618-927

CATALOG NUMBER: SA4XXDIP-C795D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1023.8	1027.1	1031.6	1038.9	1041.6	1045.0	1049.7	1049.4	1050.8	1055.8	1066.6
5°	1027.6	1040.6	1053.3	1068.4	1084.5	1095.0	1109.3	1118.2	1127.0	1138.4	1157.8
7.5°	1029.1	1049.8	1073.0	1099.6	1123.3	1150.6	1172.0	1192.0	1210.1	1234.1	1257.2
10°	1026.7	1054.6	1084.5	1118.2	1154.0	1184.3	1211.7	1242.9	1269.4	1298.5	1324.6
12.5°	1022.4	1055.9	1095.9	1133.7	1175.5	1220.4	1254.5	1286.0	1321.4	1354.8	1395.0
15°	1012.4	1058.4	1105.1	1154.8	1210.9	1262.7	1311.9	1352.8	1390.8	1440.9	1493.6
17.5°	999.8	1049.3	1108.3	1168.5	1227.0	1286.3	1347.3	1408.7	1456.6	1518.9	1560.0
20°	988.0	1045.3	1106.0	1177.6	1236.1	1309.9	1370.6	1430.0	1495.6	1557.6	1606.9
22.5°	971.5	1034.2	1098.5	1169.8	1246.9	1320.6	1390.8	1455.2	1520.9	1588.2	1648.0
25°	950.5	1007.3	1083.6	1164.5	1241.2	1321.2	1401.7	1482.6	1553.4	1624.6	1680.2
27.5°	914.7	986.6	1057.6	1141.1	1226.3	1316.8	1402.9	1487.6	1561.7	1620.3	1654.7
30°	896.6	958.9	1036.0	1119.8	1212.1	1309.5	1399.2	1482.2	1551.3	1598.1	1611.9
32.5°	869.6	934.0	1009.4	1096.2	1193.9	1294.0	1387.3	1465.7	1523.3	1547.8	1531.1
35°	829.6	887.7	963.9	1052.9	1154.4	1261.0	1353.3	1419.4	1448.9	1425.7	1368.0
37.5°	781.6	839.2	915.8	1003.1	1108.1	1216.5	1299.9	1347.5	1337.8	1280.1	1194.1
40°	747.8	801.8	874.6	969.0	1071.4	1180.1	1253.4	1279.1	1252.1	1169.6	1078.2
42.5°	710.4	763.0	836.2	927.2	1035.7	1135.9	1199.8	1201.9	1156.7	1058.0	966.2
45°	653.5	703.6	772.7	867.5	967.7	1062.2	1104.2	1083.6	1000.2	905.0	812.7
47.5°	597.2	640.7	708.8	798.8	894.1	973.5	994.3	957.2	868.3	775.9	690.4
50°	556.1	599.9	664.0	750.0	841.8	910.5	920.6	871.2	784.1	690.9	624.0
52.5°	516.7	560.2	621.9	701.4	785.5	847.4	847.8	790.8	703.9	620.8	558.6
55°	458.8	498.0	553.6	624.8	699.8	748.2	736.5	677.5	602.1	530.0	475.6
57.5°	403.1	437.1	488.4	547.8	613.9	653.8	634.2	577.4	510.1	449.0	407.8
60°	366.9	399.4	443.2	499.2	554.8	586.1	567.5	516.1	454.2	404.9	369.1
62.5°	331.9	359.3	401.4	450.0	501.6	524.7	508.2	457.5	403.9	359.4	330.3
65°	282.3	304.6	338.3	380.0	417.6	437.3	423.4	376.2	335.3	303.3	280.2
67.5°	235.9	253.3	278.9	312.4	344.2	354.9	342.3	309.4	274.8	249.1	232.8
70°	203.9	220.4	241.9	267.5	295.3	306.7	294.1	267.9	239.7	216.1	200.1
72.5°	175.9	188.7	206.8	228.8	250.5	261.9	253.3	228.1	204.3	186.8	173.2
75°	134.0	145.0	157.6	173.2	190.0	197.6	190.0	172.8	156.3	143.2	133.6
77.5°	97.4	103.3	113.0	124.7	135.2	141.1	134.5	122.8	112.7	103.8	99.0
80°	74.1	78.3	85.1	94.3	101.6	107.0	102.8	93.1	85.1	79.2	77.1
82.5°	53.9	56.8	61.2	68.0	72.9	75.7	73.8	66.8	63.5	58.3	56.2
85°	26.5	28.2	31.2	33.3	37.5	37.9	38.3	35.4	32.5	31.2	29.5
87.5°	9.7	10.5	11.7	12.9	14.3	15.7	15.4	15.8	14.7	14.3	13.1
90°	2.8	5.5	6.4	7.4	7.4	12.9	12.9	14.7	16.6	15.7	16.6
92.5°	15.3	23.9	35.2	48.6	67.7	114.5	185.9	255.6	292.0	243.2	180.8
95°	33.1	42.4	54.3	76.4	115.1	195.1	346.1	566.1	750.2	771.4	682.1
97.5°	54.5	62.4	73.4	92.4	124.8	186.5	311.2	529.8	790.2	969.2	1007.8
100°	69.9	76.4	87.5	105.0	134.4	188.7	292.7	480.5	740.1	975.7	1110.2
102.5°	86.2	91.9	102.2	118.9	146.9	196.1	287.6	447.3	677.5	920.5	1105.0
105°	110.4	115.1	126.1	142.7	169.4	213.6	289.9	418.8	603.9	820.1	1030.9
107.5°	134.9	139.6	151.3	167.2	193.5	234.0	303.6	413.7	562.6	739.2	925.8
110°	151.9	156.5	167.5	184.1	209.0	249.5	313.9	415.2	548.7	698.7	862.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.1	173.4	183.7	200.3	225.1	264.2	325.0	419.5	542.0	675.8	816.1
115°	192.4	198.8	208.0	225.5	250.4	287.2	342.5	428.0	538.5	654.5	769.5
117.5°	216.5	222.2	232.3	248.7	274.5	309.5	360.3	437.0	537.6	644.9	746.7
120°	232.0	238.4	248.5	264.2	289.9	325.0	372.8	443.7	537.6	639.8	736.4
122.5°	246.7	253.2	262.5	279.6	304.7	339.7	384.6	450.4	536.9	633.9	727.5
125°	267.8	273.4	283.5	301.0	326.8	359.9	402.3	460.3	535.8	624.1	712.5
127.5°	284.2	290.9	302.5	320.7	346.7	378.7	417.6	468.2	533.7	611.0	694.0
130°	294.5	301.9	315.8	333.2	359.9	391.3	427.1	474.0	533.0	602.9	679.4
132.5°	303.4	313.0	326.1	345.0	370.3	401.6	436.7	479.2	532.3	595.6	663.8
135°	317.6	326.8	342.5	361.8	385.7	416.1	449.2	487.0	531.2	584.6	642.5
137.5°	330.8	341.0	355.8	376.0	398.8	427.1	458.0	491.5	530.9	575.0	623.2
140°	339.7	349.8	365.4	384.8	406.9	434.5	463.9	495.3	530.2	569.8	612.1
142.5°	350.0	359.3	374.3	392.8	414.2	441.1	468.3	498.2	530.2	565.4	601.8
145°	364.6	373.8	386.6	404.1	424.4	448.3	473.2	499.9	528.4	557.9	587.3
147.5°	379.1	387.1	400.4	414.9	433.2	455.7	477.4	500.7	525.1	551.0	575.4
150°	389.4	396.7	407.8	421.6	439.1	459.3	479.6	500.7	522.8	545.9	568.0
152.5°	398.2	405.6	415.9	428.3	444.3	462.3	481.1	499.3	519.2	540.0	559.8
155°	412.4	417.9	427.1	437.3	451.1	466.7	482.4	497.1	513.7	531.2	547.7
157.5°	424.5	429.7	436.9	445.7	456.6	469.8	482.4	494.7	507.9	522.1	534.6
160°	432.6	436.3	442.8	450.1	460.3	471.3	482.4	492.5	503.5	515.5	526.6
162.5°	439.3	442.2	447.9	454.6	462.5	472.8	482.4	490.3	499.1	509.6	518.4
165°	448.3	450.1	454.7	459.3	464.9	473.2	480.5	486.0	492.5	499.9	507.2
167.5°	455.7	456.6	460.1	462.6	466.9	472.9	478.3	481.6	485.8	491.0	496.4
170°	459.3	460.3	463.0	464.9	467.6	472.2	476.8	478.6	481.4	485.1	489.7
172.5°	463.0	463.2	465.2	466.4	468.3	471.5	475.4	475.7	477.0	480.0	483.8
175°	466.7	466.7	467.6	468.6	468.6	470.4	473.2	472.2	472.2	474.0	475.9
177.5°	468.6	467.8	468.6	468.6	468.6	469.3	470.7	469.3	469.3	470.0	470.7
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1072.0	1072.7	1075.7	1078.1	1078.7	1082.1	1082.4
5°	1166.2	1173.4	1187.2	1188.5	1190.6	1201.6	1193.2
7.5°	1276.6	1294.7	1306.9	1317.6	1321.5	1326.3	1325.3
10°	1347.3	1374.4	1387.8	1409.3	1410.2	1415.6	1412.2
12.5°	1418.5	1449.9	1474.4	1478.4	1496.4	1499.2	1504.0
15°	1519.2	1552.5	1586.7	1598.9	1623.7	1629.7	1638.9
17.5°	1614.0	1648.0	1671.9	1703.5	1713.7	1727.4	1718.1
20°	1665.9	1703.0	1733.3	1758.2	1768.7	1776.2	1775.4
22.5°	1697.3	1734.6	1759.2	1778.1	1787.9	1791.1	1790.9
25°	1716.8	1738.4	1745.9	1753.1	1742.2	1738.4	1740.0
27.5°	1662.2	1656.7	1636.9	1610.9	1584.0	1562.6	1550.9
30°	1587.1	1554.3	1524.3	1472.0	1445.1	1429.1	1414.8
32.5°	1480.6	1428.5	1371.0	1323.1	1292.4	1268.7	1265.1
35°	1298.1	1219.7	1149.4	1090.8	1060.4	1034.7	1028.8
37.5°	1103.6	1022.2	958.9	907.3	874.6	856.5	839.6
40°	974.5	904.6	842.2	798.4	773.6	760.5	750.0
42.5°	875.0	811.2	749.2	715.8	693.3	685.3	679.1
45°	737.7	678.3	635.3	610.1	597.0	583.5	577.2
47.5°	627.7	579.4	551.0	529.6	515.6	507.6	503.6
50°	565.4	525.8	500.5	484.1	471.4	465.1	461.8
52.5°	510.1	477.6	456.4	443.3	434.7	430.1	428.7
55°	439.4	414.5	401.1	389.8	383.4	379.2	377.5
57.5°	382.0	362.8	351.9	342.5	340.1	336.5	335.3
60°	344.2	329.5	320.2	313.9	311.8	307.5	308.4
62.5°	310.9	298.8	290.9	287.2	284.5	280.9	282.1
65°	262.9	254.1	249.9	246.4	243.1	241.0	242.6
67.5°	220.6	214.5	208.8	206.8	205.2	204.9	203.0
70°	193.0	187.9	182.8	181.6	181.6	179.9	179.5
72.5°	166.4	162.6	159.2	158.4	157.0	157.6	155.9
75°	128.5	125.6	124.3	123.0	122.6	122.6	121.4
77.5°	95.0	92.8	90.8	90.8	89.2	88.6	88.5
80°	72.0	71.2	69.6	69.6	68.7	69.1	68.3
82.5°	54.2	53.0	52.7	52.0	50.8	50.9	50.1
85°	29.1	27.8	27.4	26.1	25.3	26.1	25.3
87.5°	13.6	13.5	13.2	12.6	12.4	12.3	11.2
90°	17.5	18.4	18.4	19.3	20.3	19.3	19.3
92.5°	136.0	108.3	89.8	79.0	74.0	70.9	70.9
95°	539.4	416.1	326.8	281.7	253.2	236.5	224.6
97.5°	954.7	864.7	768.7	702.5	647.1	619.5	600.4
100°	1128.5	1083.5	1015.3	935.3	879.1	851.5	844.1
102.5°	1196.3	1209.3	1181.0	1131.9	1091.2	1062.1	1056.2
105°	1190.3	1281.4	1319.1	1321.0	1313.6	1300.7	1295.1
107.5°	1095.4	1223.8	1305.8	1351.3	1372.3	1381.5	1383.9
110°	1021.8	1155.2	1256.5	1321.8	1360.5	1377.1	1385.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	957.0	1083.1	1184.3	1258.5	1305.3	1328.5	1342.0
115°	882.8	990.5	1078.9	1151.6	1206.8	1236.3	1243.6
117.5°	840.4	925.1	1000.1	1062.1	1108.5	1138.3	1144.0
120°	822.0	895.6	961.0	1013.5	1054.0	1077.9	1088.1
122.5°	810.2	877.3	934.5	978.9	1013.5	1033.7	1043.9
125°	791.6	855.2	905.8	942.6	969.3	986.8	992.3
127.5°	769.8	833.1	881.1	918.1	941.9	956.6	962.1
130°	752.1	814.7	863.5	901.2	924.2	938.9	944.4
132.5°	732.2	793.3	842.1	879.1	905.1	919.0	924.6
135°	702.3	758.5	804.5	841.4	867.1	881.9	887.4
137.5°	673.8	721.1	762.7	797.2	822.6	834.7	841.4
140°	655.4	696.8	735.5	767.7	788.0	800.8	808.2
142.5°	639.9	675.5	709.0	737.5	756.3	767.7	772.9
145°	618.6	646.2	672.0	695.0	710.7	719.9	724.5
147.5°	600.2	622.3	642.5	659.5	672.9	679.9	681.5
150°	589.1	607.5	624.1	638.8	650.8	656.3	657.3
152.5°	578.1	595.0	608.6	621.2	630.9	634.2	635.2
155°	562.4	576.2	587.3	596.5	603.9	606.7	606.7
157.5°	547.0	558.6	567.4	574.4	580.0	581.6	581.6
160°	536.6	546.8	554.1	559.7	565.2	566.1	566.1
162.5°	527.1	535.0	541.6	545.7	551.2	552.2	551.4
165°	512.7	519.2	523.8	527.4	531.2	530.2	529.3
167.5°	500.6	505.7	508.5	510.3	512.7	512.5	511.8
170°	492.5	496.1	498.9	500.7	501.7	500.7	500.7
172.5°	485.8	488.1	490.0	491.2	492.1	491.2	489.7
175°	476.8	478.6	478.6	478.6	480.5	478.6	476.8
177.5°	471.5	471.5	472.2	471.5	472.2	470.7	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6

(END OF REPORT)