

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: P332938-940

Luminaire Tested: **SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332938-940
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: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

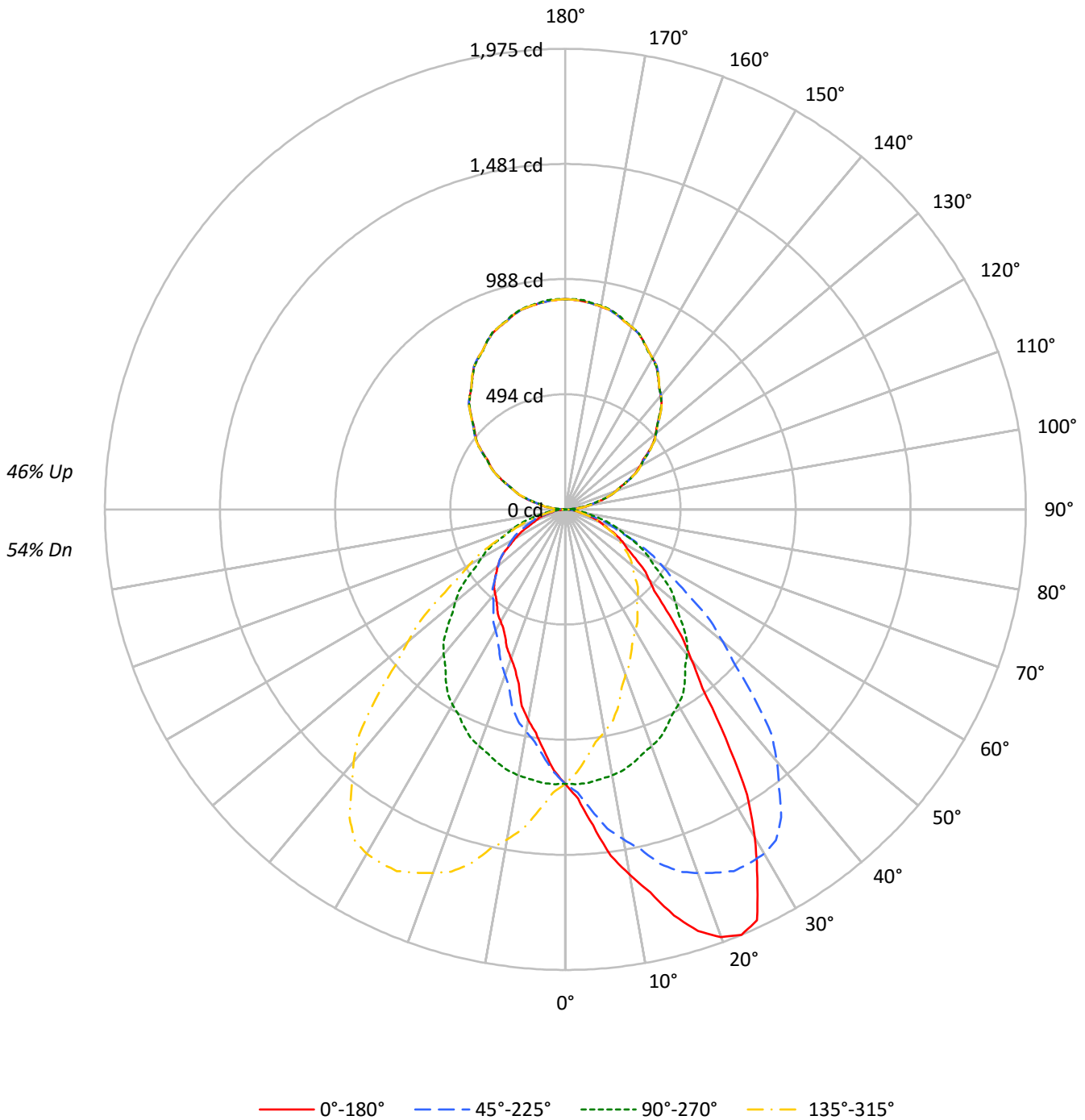
Lumens per Lamp: N/A
Luminaire Lumens: 5478.9 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	54	
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40	40	40	40	
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34	34	34	34	
4	76	66	58	52	71	61	55	49	53	48	44	46	42	39	39	36	33	30	30	30	30	
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26	26	26	26	
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	29	26	23	23	23	23	
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21	21	21	21	
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	27	23	21	19	19	19	19	
9	52	40	32	27	48	38	31	26	33	28	24	29	24	21	25	21	19	17	17	17	17	
10	49	37	29	25	45	35	28	24	31	25	21	27	22	19	23	20	17	15	15	15	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9503	9503	9503	9503
5°	11022	9532	8425	9532
10°	13039	9489	7519	9489
15°	15061	9402	6461	9402
20°	16770	9281	5843	9281
25°	17312	9163	5424	9163
30°	15155	9018	5172	9018
35°	11797	8806	5019	8806
40°	8847	8560	4938	8560
45°	6985	8170	4894	8170
50°	5897	7720	4752	7720
55°	5140	7222	4500	7222
60°	4624	6707	3982	6707
65°	4076	6151	3423	6151
70°	3670	5575	3090	5575
75°	3075	4941	2633	4941
80°	2603	4212	2469	4212
85°	2195	3298	2195	3298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	2.1
10°-20°	344.0	6.3
20°-30°	538.1	9.8
30°-40°	598.2	10.9
40°-50°	530.7	9.7
50°-60°	413.6	7.5
60°-70°	270.8	4.9
70°-80°	133.1	2.4
80°-90°	35.6	0.6
90°-100°	59.5	1.1
100°-110°	176.1	3.2
110°-120°	298.9	5.5
120°-130°	394.2	7.2
130°-140°	442.7	8.1
140°-150°	435.0	7.9
150°-160°	365.9	6.7
160°-170°	243.4	4.4
170°-180°	85.2	1.6
0°-30°	996.2	18.2
0°-40°	1594.3	29.1
0°-60°	2538.6	46.3
0°-90°	2978.1	54.4
90°-120°	534.5	9.8
90°-150°	1806.3	33.0
90°-180°	2501.0	45.6
0°-180°	5478.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1177	1177	1177	1177	1177	
5°	1360	1176	1040	1176	1360	138
15°	1802	1125	773	1125	1802	512
25°	1944	1029	609	1029	1944	862
35°	1197	894	509	894	1197	750
45°	612	716	429	716	612	485
55°	365	513	320	513	365	332
65°	213	322	179	322	213	215
75°	99	158	84	158	99	109
85°	24	36	24	36	24	27
90°	21	2	21	2	21	12
95°	55	42	55	42	55	57
105°	170	162	170	162	170	179
115°	301	304	301	304	301	298
125°	439	443	439	443	439	392
135°	572	571	572	571	572	441
145°	694	694	694	694	694	435
155°	794	795	794	795	794	366
165°	863	865	863	865	863	243
175°	896	900	896	900	896	85
180°	901	901	901	901	901	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1241.5	1245.0	1241.5	1241.2	1237.4	1236.3	1234.8	1229.8	1220.7	1215.4	1216.6
5°	1360.1	1372.0	1365.4	1364.4	1354.0	1343.5	1336.9	1321.7	1305.6	1294.7	1285.7
7.5°	1497.3	1504.1	1499.9	1493.3	1476.4	1466.9	1451.4	1431.5	1402.6	1380.5	1360.2
10°	1590.6	1596.3	1594.4	1582.1	1569.8	1544.6	1530.4	1502.4	1465.9	1437.0	1410.0
12.5°	1682.4	1688.5	1671.8	1672.4	1649.0	1629.2	1606.7	1571.5	1529.3	1492.0	1458.1
15°	1802.1	1794.6	1794.6	1785.0	1759.0	1731.4	1708.3	1671.2	1618.1	1573.5	1526.6
17.5°	1895.9	1898.5	1894.6	1872.2	1851.7	1823.3	1780.7	1737.5	1688.2	1628.4	1580.4
20°	1952.0	1952.0	1947.8	1932.5	1906.0	1875.6	1829.6	1782.7	1720.1	1659.8	1605.8
22.5°	1974.8	1976.3	1971.2	1958.7	1934.8	1905.2	1866.1	1818.4	1753.8	1686.0	1619.1
25°	1943.5	1952.5	1953.4	1950.1	1942.9	1924.9	1891.3	1842.5	1784.6	1711.1	1639.0
27.5°	1784.3	1795.6	1805.6	1822.0	1843.9	1855.2	1856.7	1831.9	1781.5	1710.7	1638.2
30°	1625.7	1635.2	1666.0	1706.3	1737.7	1766.1	1790.7	1797.4	1769.0	1705.4	1629.1
32.5°	1449.7	1462.6	1493.4	1536.8	1588.9	1637.1	1692.5	1720.7	1720.0	1681.9	1611.2
35°	1197.0	1206.5	1234.9	1280.5	1343.1	1414.7	1502.4	1570.7	1617.2	1613.8	1570.7
37.5°	965.4	976.1	1004.9	1042.6	1103.3	1191.9	1276.8	1370.9	1456.9	1505.1	1490.8
40°	839.5	839.9	867.9	906.8	963.7	1041.0	1133.5	1237.8	1333.6	1411.8	1427.0
42.5°	740.0	740.1	758.6	800.5	841.5	914.3	1002.6	1106.2	1218.3	1308.7	1348.9
45°	611.8	616.1	631.2	656.4	688.6	750.3	820.9	917.2	1042.9	1150.0	1216.9
47.5°	518.1	524.3	534.0	554.5	580.1	621.3	679.7	766.2	868.4	986.3	1081.5
50°	469.5	470.5	482.8	494.2	516.5	549.2	600.4	672.4	766.3	879.8	985.5
52.5°	427.8	427.6	435.0	449.4	467.5	493.0	534.4	600.0	683.3	784.9	894.0
55°	365.2	367.6	373.3	384.6	398.3	416.4	449.1	498.5	563.9	650.7	749.8
57.5°	317.5	318.8	323.2	328.1	340.7	353.8	378.4	412.6	467.8	538.9	631.2
60°	286.4	287.0	288.4	295.4	305.4	317.7	334.3	363.3	409.7	474.7	547.8
62.5°	256.1	256.9	259.1	264.3	272.1	280.5	297.9	321.2	359.6	415.2	481.0
65°	213.4	213.9	217.2	219.1	225.2	232.8	245.7	261.3	287.8	334.3	384.1
67.5°	178.3	178.3	178.5	181.1	185.3	190.4	198.0	210.5	230.6	259.1	303.0
70°	155.5	155.5	156.5	157.9	160.3	164.5	168.8	178.3	193.1	216.2	249.9
72.5°	134.3	134.6	135.6	135.9	137.1	140.6	143.8	149.9	160.8	178.3	205.5
75°	98.6	100.0	102.5	104.3	106.7	106.2	109.6	113.3	116.6	127.1	142.8
77.5°	73.4	72.7	72.9	74.5	74.8	75.3	77.7	80.6	83.1	88.0	93.6
80°	56.0	56.0	57.4	57.9	57.4	57.9	60.2	61.6	62.6	64.5	69.7
82.5°	42.3	43.1	42.6	43.1	43.3	43.8	45.8	46.1	47.1	47.8	50.0
85°	23.7	24.2	24.7	23.7	23.7	23.7	24.7	25.1	26.1	25.6	26.6
87.5°	12.6	12.1	12.4	12.3	12.7	12.1	12.4	12.9	11.9	12.2	11.9
90°	21.0	20.6	20.3	20.0	19.7	19.1	18.1	17.2	16.2	15.3	14.1
92.5°	30.9	30.8	30.6	30.4	30.2	29.9	29.2	28.7	28.2	27.6	26.8
95°	55.1	55.1	55.1	55.1	55.1	54.8	54.4	53.9	53.4	53.0	51.9
97.5°	86.3	86.3	86.3	86.3	86.3	86.1	85.4	84.9	84.4	83.8	82.5
100°	108.1	108.1	108.1	108.1	108.1	107.9	107.6	107.3	107.0	106.6	105.2
102.5°	132.6	132.5	132.3	132.2	132.1	131.8	131.3	131.0	130.5	130.1	128.9
105°	170.1	169.6	169.2	168.7	168.3	167.7	167.3	166.8	166.4	165.9	165.3
107.5°	206.6	206.7	206.7	206.7	206.8	206.5	206.1	205.7	205.3	204.8	204.7
110°	232.8	232.4	231.9	231.5	231.0	230.9	231.2	231.5	231.8	232.1	232.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	259.6	259.5	259.4	259.3	259.2	259.2	259.3	259.3	259.4	259.5	259.8
115°	301.1	301.3	301.5	301.7	301.8	301.9	302.1	302.2	302.4	302.6	302.8
117.5°	340.7	341.1	341.3	341.7	342.0	342.4	343.0	343.5	344.0	344.6	344.7
120°	370.9	370.6	370.2	370.0	369.6	369.9	370.6	371.4	372.2	373.0	373.4
122.5°	396.0	396.5	397.1	397.6	398.2	398.8	399.3	399.8	400.3	400.8	401.1
125°	439.2	439.5	439.8	440.1	440.4	440.8	441.0	441.4	441.7	442.0	442.1
127.5°	479.2	479.5	479.7	479.9	480.2	480.5	480.8	481.1	481.4	481.7	482.0
130°	505.4	506.0	506.7	507.3	507.9	508.4	508.6	509.0	509.3	509.6	509.6
132.5°	533.3	533.5	533.8	534.0	534.3	534.6	534.8	535.2	535.5	535.8	535.9
135°	571.7	572.1	572.6	573.0	573.5	573.9	574.2	574.5	574.8	575.2	575.2
137.5°	612.0	611.8	611.7	611.6	611.5	611.7	612.2	612.5	613.0	613.3	613.1
140°	636.5	636.6	636.8	636.9	637.1	637.2	637.4	637.6	637.8	637.8	637.8
142.5°	661.0	661.0	661.1	661.1	661.1	661.2	661.2	661.2	661.3	661.3	661.4
145°	694.4	694.8	695.3	695.7	696.2	696.5	696.7	696.8	697.0	697.1	697.0
147.5°	728.1	728.3	728.3	728.5	728.7	728.8	729.0	729.1	729.2	729.3	729.4
150°	748.7	748.9	749.0	749.2	749.3	749.4	749.4	749.4	749.4	749.4	749.4
152.5°	767.7	768.1	768.5	768.9	769.3	769.3	768.9	768.6	768.2	767.9	767.7
155°	794.1	794.6	795.2	795.9	796.5	796.5	795.9	795.2	794.6	794.1	794.2
157.5°	817.6	818.1	818.7	819.2	819.7	819.7	819.3	818.8	818.3	817.9	817.9
160°	831.0	831.8	832.5	833.3	834.1	834.2	833.7	833.3	832.9	832.4	832.5
162.5°	844.9	845.7	846.5	847.2	848.0	848.0	847.1	846.3	845.5	844.6	844.8
165°	863.1	863.6	864.2	864.9	865.5	865.4	864.4	863.5	862.6	861.7	861.9
167.5°	876.0	877.0	877.9	878.9	879.9	879.9	879.0	878.0	877.1	876.1	876.1
170°	883.2	884.3	885.5	886.5	887.6	887.7	886.7	885.8	884.8	884.0	883.8
172.5°	889.4	890.5	891.5	892.7	893.8	893.8	892.7	891.6	890.6	889.6	889.5
175°	895.8	896.9	898.0	899.0	900.2	900.2	899.0	898.0	896.9	895.8	896.0
177.5°	899.1	900.2	901.2	902.1	903.1	903.2	902.3	901.4	900.5	899.7	899.7
180°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1212.7	1207.5	1204.8	1198.7	1191.5	1187.7	1184.3	1179.4	1172.9	1166.1	1161.1
5°	1274.3	1262.9	1248.7	1231.6	1216.5	1201.8	1188.9	1176.2	1161.5	1146.2	1131.0
7.5°	1337.5	1315.1	1290.9	1262.9	1235.7	1210.9	1188.2	1166.4	1141.7	1119.6	1099.5
10°	1381.4	1351.1	1317.4	1281.9	1246.3	1215.5	1185.2	1157.6	1127.3	1100.3	1077.5
12.5°	1417.1	1381.4	1341.0	1296.6	1253.9	1216.7	1181.7	1145.8	1111.3	1082.0	1051.7
15°	1476.3	1427.5	1373.0	1319.8	1264.4	1213.6	1166.6	1124.9	1085.6	1044.3	1015.4
17.5°	1517.0	1459.0	1392.8	1328.9	1263.4	1203.5	1149.4	1099.7	1054.3	1012.1	977.7
20°	1541.3	1477.3	1403.7	1331.2	1257.7	1193.6	1135.3	1080.3	1033.4	987.8	952.3
22.5°	1555.0	1484.1	1403.7	1327.8	1251.6	1182.3	1118.3	1061.0	1009.9	964.3	925.0
25°	1559.3	1483.5	1401.4	1314.1	1230.7	1157.2	1090.7	1028.7	971.7	926.2	884.5
27.5°	1553.3	1463.9	1379.8	1290.3	1204.2	1126.7	1057.0	991.8	934.8	885.9	843.1
30°	1544.2	1448.3	1358.3	1265.2	1178.0	1103.6	1030.0	967.4	908.2	857.5	814.3
32.5°	1524.4	1429.4	1332.4	1237.2	1148.8	1072.1	1002.4	939.4	881.3	829.4	783.5
35°	1485.3	1389.1	1283.8	1186.1	1099.3	1019.6	954.2	893.5	838.0	782.5	734.1
37.5°	1433.9	1335.5	1230.7	1123.7	1036.9	961.7	901.6	844.6	790.5	739.9	686.3
40°	1385.3	1295.7	1187.5	1081.3	992.1	919.5	864.1	812.3	757.9	707.6	654.0
42.5°	1326.4	1250.1	1140.9	1034.2	946.2	876.3	824.7	774.1	724.4	675.7	619.8
45°	1228.3	1170.5	1068.0	965.5	876.9	807.6	760.2	715.6	672.0	625.5	572.9
47.5°	1115.8	1076.7	988.2	883.3	801.3	739.0	693.1	656.7	619.8	573.4	527.2
50°	1037.7	1012.5	927.1	831.3	753.1	695.7	648.8	614.7	583.8	539.2	497.9
52.5°	954.2	940.8	868.7	777.1	701.5	645.2	605.1	574.4	543.2	506.2	467.6
55°	827.1	834.2	773.0	693.8	622.7	575.2	538.8	513.1	486.6	455.3	425.4
57.5°	697.1	723.1	682.1	612.5	545.8	502.0	474.6	453.0	430.7	404.7	379.2
60°	619.4	641.1	618.0	556.8	498.5	457.6	432.0	415.4	393.2	369.4	350.0
62.5°	543.5	566.9	553.0	503.6	449.5	414.4	391.8	376.4	359.8	339.1	318.9
65°	448.2	463.3	456.7	422.6	384.1	354.3	333.4	322.0	306.8	291.7	273.7
67.5°	343.2	372.6	368.7	350.5	317.4	294.0	280.4	270.3	256.5	245.2	232.9
70°	282.1	309.2	308.7	294.0	276.0	254.2	244.7	236.2	223.8	212.9	203.0
72.5°	231.0	255.7	259.4	248.2	235.8	219.3	210.2	204.3	192.3	184.9	176.8
75°	161.8	179.8	184.5	184.5	178.8	170.2	162.2	158.4	149.9	143.2	138.5
77.5°	106.0	117.4	124.8	126.5	127.4	124.6	117.9	115.2	108.7	106.3	101.7
80°	74.9	82.5	91.0	93.9	96.3	95.3	92.5	90.6	84.4	82.0	80.2
82.5°	51.8	56.0	63.0	69.2	68.6	71.1	68.6	67.1	62.4	61.5	59.7
85°	27.0	27.5	28.4	32.7	35.1	36.0	36.6	35.6	34.2	34.2	30.9
87.5°	11.7	11.1	11.6	11.2	11.3	12.5	13.3	13.3	12.5	11.7	11.0
90°	12.8	11.6	10.3	8.9	7.2	5.5	3.8	2.1	3.8	5.5	7.2
92.5°	25.9	25.0	24.2	22.7	20.8	18.8	16.9	14.9	16.9	18.8	20.8
95°	50.8	49.8	48.7	47.4	46.0	44.6	43.2	41.8	43.2	44.6	46.0
97.5°	81.2	80.0	78.7	77.5	76.4	75.3	74.2	73.0	74.2	75.3	76.4
100°	103.9	102.5	101.1	100.0	99.4	98.8	98.2	97.6	98.2	98.8	99.4
102.5°	127.5	126.3	125.0	124.2	124.0	123.8	123.5	123.2	123.5	123.8	124.0
105°	164.7	164.1	163.5	163.1	162.9	162.7	162.6	162.5	162.6	162.7	162.9
107.5°	204.6	204.6	204.5	204.3	204.1	203.9	203.8	203.6	203.8	203.9	204.1
110°	232.5	232.6	232.7	232.6	232.4	232.0	231.8	231.5	231.8	232.0	232.4



TEST NUMBER: P332938-940

CATALOG NUMBER: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	260.0	260.3	260.6	260.7	260.6	260.6	260.5	260.5	260.5	260.6	260.6
115°	303.2	303.4	303.8	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0
117.5°	344.9	345.2	345.4	345.4	345.3	345.2	345.1	344.9	345.1	345.2	345.3
120°	373.9	374.3	374.8	374.8	374.2	373.5	372.9	372.3	372.9	373.5	374.2
122.5°	401.3	401.5	401.7	401.7	401.4	401.2	400.9	400.7	400.9	401.2	401.4
125°	442.3	442.5	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6
127.5°	482.2	482.4	482.7	482.6	482.1	481.7	481.2	480.7	481.2	481.7	482.1
130°	509.6	509.6	509.6	509.3	508.9	508.5	508.0	507.5	508.0	508.5	508.9
132.5°	536.1	536.2	536.3	536.2	535.8	535.6	535.2	534.8	535.2	535.6	535.8
135°	575.2	575.2	575.2	574.7	573.7	572.8	571.9	571.0	571.9	572.8	573.7
137.5°	612.9	612.6	612.3	612.0	611.5	611.1	610.7	610.3	610.7	611.1	611.5
140°	637.8	637.8	637.8	637.8	637.4	637.1	636.8	636.5	636.8	637.1	637.4
142.5°	661.6	661.6	661.8	661.7	661.4	661.1	660.8	660.5	660.8	661.1	661.4
145°	696.8	696.7	696.5	696.2	695.5	694.9	694.3	693.7	694.3	694.9	695.5
147.5°	729.6	729.7	729.9	729.5	728.8	728.0	727.3	726.6	727.3	728.0	728.8
150°	749.4	749.4	749.4	749.1	748.5	747.9	747.3	746.6	747.3	747.9	748.5
152.5°	767.6	767.4	767.3	767.0	766.7	766.3	766.0	765.6	766.0	766.3	766.7
155°	794.3	794.5	794.6	794.7	794.7	794.7	794.7	794.7	794.7	794.7	794.7
157.5°	818.0	818.0	818.0	818.1	818.4	818.7	818.9	819.3	818.9	818.7	818.4
160°	832.7	832.9	832.9	833.1	833.3	833.5	833.6	833.7	833.6	833.5	833.3
162.5°	845.0	845.1	845.3	845.5	846.0	846.3	846.8	847.1	846.8	846.3	846.0
165°	862.3	862.6	862.9	863.3	863.7	864.2	864.7	865.1	864.7	864.2	863.7
167.5°	876.1	876.0	876.0	876.4	877.0	877.6	878.2	879.0	878.2	877.6	877.0
170°	883.7	883.5	883.3	883.7	884.4	885.2	886.0	886.7	886.0	885.2	884.4
172.5°	889.5	889.5	889.4	889.7	890.4	891.0	891.7	892.3	891.7	891.0	890.4
175°	896.1	896.3	896.4	896.9	897.7	898.4	899.2	900.0	899.2	898.4	897.7
177.5°	899.7	899.7	899.7	900.0	900.6	901.3	901.9	902.5	901.9	901.3	900.6
180°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3



TEST NUMBER: P332938-940
 CATALOG NUMBER: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1155.8	1152.0	1147.1	1141.4	1134.6	1128.5	1125.9	1128.1	1129.3	1126.2	1125.9
5°	1120.6	1108.8	1099.3	1085.0	1073.7	1064.2	1057.6	1054.7	1055.7	1048.1	1046.2
7.5°	1081.1	1067.0	1051.5	1034.7	1018.9	1005.0	997.6	993.6	985.6	982.1	976.3
10°	1055.7	1036.7	1021.5	1001.6	983.6	967.0	958.9	952.3	944.2	940.4	932.4
12.5°	1029.5	1007.5	990.8	970.1	951.7	931.7	924.0	911.7	899.1	891.1	880.7
15°	992.6	966.1	945.7	921.0	899.2	876.4	856.0	833.2	824.7	806.7	796.3
17.5°	949.4	922.5	897.2	864.2	830.5	802.3	780.5	758.7	745.6	734.1	728.8
20°	921.0	896.3	861.2	822.8	785.3	754.0	736.5	722.3	708.0	700.0	694.3
22.5°	894.0	862.6	821.8	780.3	742.9	718.4	703.5	688.8	677.3	669.7	662.0
25°	848.9	807.6	764.5	717.0	691.4	670.1	654.0	642.1	635.0	625.1	621.3
27.5°	802.5	752.5	704.9	673.1	646.4	626.9	612.8	603.9	594.9	588.5	583.6
30°	766.9	716.1	673.4	643.1	616.1	599.9	588.5	578.1	571.0	565.8	562.0
32.5°	731.6	680.8	645.0	612.3	591.0	575.2	563.1	555.4	549.7	543.1	540.7
35°	680.6	635.5	604.2	574.8	552.9	538.8	529.2	521.2	516.5	514.5	513.1
37.5°	631.5	594.6	561.0	536.8	517.4	506.2	495.0	491.1	487.8	484.4	485.9
40°	600.4	565.8	535.9	510.3	494.6	482.3	475.6	470.9	468.1	468.1	468.1
42.5°	573.5	539.6	510.5	487.5	471.9	461.5	454.1	450.0	449.1	448.7	451.0
45°	531.6	500.3	470.9	451.9	438.6	428.2	424.0	420.6	420.6	422.6	423.0
47.5°	490.2	460.8	437.3	416.0	403.9	397.3	393.6	391.9	392.1	394.0	396.2
50°	464.8	435.9	412.6	393.6	382.3	376.0	372.7	371.8	372.7	372.7	376.0
52.5°	437.0	411.2	388.3	372.4	359.4	353.7	351.9	350.5	351.2	352.7	354.1
55°	396.5	373.3	351.4	336.3	326.7	323.0	318.7	319.1	318.3	319.1	319.1
57.5°	355.8	334.9	314.6	302.6	294.3	288.7	284.1	285.4	284.0	283.8	283.0
60°	329.6	306.8	290.7	279.8	270.3	265.6	261.3	262.3	260.8	259.8	258.0
62.5°	301.1	282.1	266.8	256.3	248.7	243.2	238.9	238.0	234.7	231.4	227.3
65°	259.8	244.2	230.5	220.5	213.4	209.1	205.8	203.0	195.8	188.2	184.5
67.5°	219.8	208.5	195.6	187.3	181.5	175.8	169.5	164.7	158.0	153.8	151.5
70°	193.9	183.1	172.2	164.1	157.9	152.8	145.6	142.3	137.5	135.6	133.2
72.5°	169.3	159.2	149.0	141.7	135.2	131.1	125.5	122.2	120.1	119.3	117.0
75°	131.9	123.8	116.2	109.6	104.3	101.5	99.2	96.8	95.8	91.5	89.2
77.5°	96.2	90.9	86.1	81.4	77.7	75.8	71.2	68.5	66.9	64.9	64.4
80°	74.9	71.2	66.4	63.6	58.3	56.4	54.6	54.0	53.6	53.1	52.6
82.5°	56.4	52.5	47.8	46.1	44.7	43.5	42.4	41.9	41.5	41.7	41.6
85°	28.4	26.6	26.6	26.1	25.6	25.1	24.7	24.7	24.2	24.7	24.2
87.5°	11.2	11.1	11.4	10.9	11.5	11.8	11.6	11.8	12.4	11.8	11.9
90°	8.9	10.3	11.6	12.8	14.1	15.3	16.2	17.2	18.1	19.1	19.7
92.5°	22.7	24.2	25.0	25.9	26.8	27.6	28.2	28.7	29.2	29.9	30.2
95°	47.4	48.7	49.8	50.8	51.9	53.0	53.4	53.9	54.4	54.8	55.1
97.5°	77.5	78.7	80.0	81.2	82.5	83.8	84.4	84.9	85.4	86.1	86.3
100°	100.0	101.1	102.5	103.9	105.2	106.6	107.0	107.3	107.6	107.9	108.1
102.5°	124.2	125.0	126.3	127.5	128.9	130.1	130.5	131.0	131.3	131.8	132.1
105°	163.1	163.5	164.1	164.7	165.3	165.9	166.4	166.8	167.3	167.7	168.3
107.5°	204.3	204.5	204.6	204.6	204.7	204.8	205.3	205.7	206.1	206.5	206.8
110°	232.6	232.7	232.6	232.5	232.3	232.1	231.8	231.5	231.2	230.9	231.0



TEST NUMBER: P332938-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	260.7	260.6	260.3	260.0	259.8	259.5	259.4	259.3	259.3	259.2	259.2
115°	304.0	303.8	303.4	303.2	302.8	302.6	302.4	302.2	302.1	301.9	301.8
117.5°	345.4	345.4	345.2	344.9	344.7	344.6	344.0	343.5	343.0	342.4	342.0
120°	374.8	374.8	374.3	373.9	373.4	373.0	372.2	371.4	370.6	369.9	369.6
122.5°	401.7	401.7	401.5	401.3	401.1	400.8	400.3	399.8	399.3	398.8	398.2
125°	442.6	442.6	442.5	442.3	442.1	442.0	441.7	441.4	441.0	440.8	440.4
127.5°	482.6	482.7	482.4	482.2	482.0	481.7	481.4	481.1	480.8	480.5	480.2
130°	509.3	509.6	509.6	509.6	509.6	509.6	509.3	509.0	508.6	508.4	507.9
132.5°	536.2	536.3	536.2	536.1	535.9	535.8	535.5	535.2	534.8	534.6	534.3
135°	574.7	575.2	575.2	575.2	575.2	575.2	574.8	574.5	574.2	573.9	573.5
137.5°	612.0	612.3	612.6	612.9	613.1	613.3	613.0	612.5	612.2	611.7	611.5
140°	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.6	637.4	637.2	637.1
142.5°	661.7	661.8	661.6	661.6	661.4	661.3	661.3	661.2	661.2	661.2	661.1
145°	696.2	696.5	696.7	696.8	697.0	697.1	697.0	696.8	696.7	696.5	696.2
147.5°	729.5	729.9	729.7	729.6	729.4	729.3	729.2	729.1	729.0	728.8	728.7
150°	749.1	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.3
152.5°	767.0	767.3	767.4	767.6	767.7	767.9	768.2	768.6	768.9	769.3	769.3
155°	794.7	794.6	794.5	794.3	794.2	794.1	794.6	795.2	795.9	796.5	796.5
157.5°	818.1	818.0	818.0	818.0	817.9	817.9	818.3	818.8	819.3	819.7	819.7
160°	833.1	832.9	832.9	832.7	832.5	832.4	832.9	833.3	833.7	834.2	834.1
162.5°	845.5	845.3	845.1	845.0	844.8	844.6	845.5	846.3	847.1	848.0	848.0
165°	863.3	862.9	862.6	862.3	861.9	861.7	862.6	863.5	864.4	865.4	865.5
167.5°	876.4	876.0	876.0	876.1	876.1	876.1	877.1	878.0	879.0	879.9	879.9
170°	883.7	883.3	883.5	883.7	883.8	884.0	884.8	885.8	886.7	887.7	887.6
172.5°	889.7	889.4	889.5	889.5	889.5	889.6	890.6	891.6	892.7	893.8	893.8
175°	896.9	896.4	896.3	896.1	896.0	895.8	896.9	898.0	899.0	900.2	900.2
177.5°	900.0	899.7	899.7	899.7	899.7	899.7	900.5	901.4	902.3	903.2	903.1
180°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3



TEST NUMBER: P332938-940
 CATALOG NUMBER: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1123.6	1124.4	1121.7	1120.9	1121.7	1124.4	1123.6	1125.9	1126.2	1129.3	1128.1
5°	1042.4	1041.4	1039.1	1039.6	1039.1	1041.4	1042.4	1046.2	1048.1	1055.7	1054.7
7.5°	972.9	969.3	970.3	966.5	970.3	969.3	972.9	976.3	982.1	985.6	993.6
10°	930.5	925.2	921.0	917.2	921.0	925.2	930.5	932.4	940.4	944.2	952.3
12.5°	872.4	868.0	862.2	863.4	862.2	868.0	872.4	880.7	891.1	899.1	911.7
15°	790.1	783.0	771.6	773.0	771.6	783.0	790.1	796.3	806.7	824.7	833.2
17.5°	720.4	720.5	715.2	716.5	715.2	720.5	720.4	728.8	734.1	745.6	758.7
20°	684.3	681.0	681.4	680.1	681.4	681.0	684.3	694.3	700.0	708.0	722.3
22.5°	659.3	655.2	651.9	649.0	651.9	655.2	659.3	662.0	669.7	677.3	688.8
25°	617.0	614.1	609.8	608.9	609.8	614.1	617.0	621.3	625.1	635.0	642.1
27.5°	579.8	579.3	577.6	575.3	577.6	579.3	579.8	583.6	588.5	594.9	603.9
30°	558.2	557.2	556.2	554.8	556.2	557.2	558.2	562.0	565.8	571.0	578.1
32.5°	538.9	538.2	537.3	537.4	537.3	538.2	538.9	540.7	543.1	549.7	555.4
35°	511.2	510.8	509.8	509.3	509.8	510.8	511.2	513.1	514.5	516.5	521.2
37.5°	485.4	486.7	486.1	486.0	486.1	486.7	485.4	485.9	484.4	487.8	491.1
40°	467.6	468.1	469.0	468.6	469.0	468.1	467.6	468.1	468.1	468.1	470.9
42.5°	452.8	452.9	454.2	452.6	454.2	452.9	452.8	451.0	448.7	449.1	450.0
45°	426.3	429.2	428.7	428.7	428.7	429.2	426.3	423.0	422.6	420.6	420.6
47.5°	397.4	399.8	400.6	400.5	400.6	399.8	397.4	396.2	394.0	392.1	391.9
50°	378.4	377.5	378.9	378.4	378.9	377.5	378.4	376.0	372.7	372.7	371.8
52.5°	355.3	355.5	355.4	354.9	355.4	355.5	355.3	354.1	352.7	351.2	350.5
55°	319.7	320.1	319.1	319.7	319.1	320.1	319.7	319.1	319.1	318.3	319.1
57.5°	281.0	278.7	279.6	278.5	279.6	278.7	281.0	283.0	283.8	284.0	285.4
60°	253.2	249.4	248.5	246.6	248.5	249.4	253.2	258.0	259.8	260.8	262.3
62.5°	222.1	219.5	216.2	217.8	216.2	219.5	222.1	227.3	231.4	234.7	238.0
65°	180.7	178.8	177.4	179.2	177.4	178.8	180.7	184.5	188.2	195.8	203.0
67.5°	149.5	148.6	148.6	147.6	148.6	148.6	149.5	151.5	153.8	158.0	164.7
70°	133.2	131.9	131.9	130.9	131.9	131.9	133.2	133.2	135.6	137.5	142.3
72.5°	116.5	115.1	115.6	114.9	115.6	115.1	116.5	117.0	119.3	120.1	122.2
75°	86.3	83.9	83.9	84.4	83.9	83.9	86.3	89.2	91.5	95.8	96.8
77.5°	64.4	63.9	64.6	63.8	64.6	63.9	64.4	64.4	64.9	66.9	68.5
80°	52.6	52.2	51.7	53.1	51.7	52.2	52.6	52.6	53.1	53.6	54.0
82.5°	40.8	40.8	40.7	42.5	40.7	40.8	40.8	41.6	41.7	41.5	41.9
85°	24.7	23.7	24.7	23.7	24.7	23.7	24.7	24.2	24.7	24.2	24.7
87.5°	12.8	12.4	12.1	12.6	12.1	12.4	12.8	11.9	11.8	12.4	11.8
90°	20.0	20.3	20.6	21.0	20.6	20.3	20.0	19.7	19.1	18.1	17.2
92.5°	30.4	30.6	30.8	30.9	30.8	30.6	30.4	30.2	29.9	29.2	28.7
95°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	54.8	54.4	53.9
97.5°	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.1	85.4	84.9
100°	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	107.9	107.6	107.3
102.5°	132.2	132.3	132.5	132.6	132.5	132.3	132.2	132.1	131.8	131.3	131.0
105°	168.7	169.2	169.6	170.1	169.6	169.2	168.7	168.3	167.7	167.3	166.8
107.5°	206.7	206.7	206.7	206.6	206.7	206.7	206.7	206.8	206.5	206.1	205.7
110°	231.5	231.9	232.4	232.8	232.4	231.9	231.5	231.0	230.9	231.2	231.5



TEST NUMBER: P332938-940

CATALOG NUMBER: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	259.3	259.4	259.5	259.6	259.5	259.4	259.3	259.2	259.2	259.3	259.3
115°	301.7	301.5	301.3	301.1	301.3	301.5	301.7	301.8	301.9	302.1	302.2
117.5°	341.7	341.3	341.1	340.7	341.1	341.3	341.7	342.0	342.4	343.0	343.5
120°	370.0	370.2	370.6	370.9	370.6	370.2	370.0	369.6	369.9	370.6	371.4
122.5°	397.6	397.1	396.5	396.0	396.5	397.1	397.6	398.2	398.8	399.3	399.8
125°	440.1	439.8	439.5	439.2	439.5	439.8	440.1	440.4	440.8	441.0	441.4
127.5°	479.9	479.7	479.5	479.2	479.5	479.7	479.9	480.2	480.5	480.8	481.1
130°	507.3	506.7	506.0	505.4	506.0	506.7	507.3	507.9	508.4	508.6	509.0
132.5°	534.0	533.8	533.5	533.3	533.5	533.8	534.0	534.3	534.6	534.8	535.2
135°	573.0	572.6	572.1	571.7	572.1	572.6	573.0	573.5	573.9	574.2	574.5
137.5°	611.6	611.7	611.8	612.0	611.8	611.7	611.6	611.5	611.7	612.2	612.5
140°	636.9	636.8	636.6	636.5	636.6	636.8	636.9	637.1	637.2	637.4	637.6
142.5°	661.1	661.1	661.0	661.0	661.0	661.1	661.1	661.1	661.2	661.2	661.2
145°	695.7	695.3	694.8	694.4	694.8	695.3	695.7	696.2	696.5	696.7	696.8
147.5°	728.5	728.3	728.3	728.1	728.3	728.3	728.5	728.7	728.8	729.0	729.1
150°	749.2	749.0	748.9	748.7	748.9	749.0	749.2	749.3	749.4	749.4	749.4
152.5°	768.9	768.5	768.1	767.7	768.1	768.5	768.9	769.3	769.3	768.9	768.6
155°	795.9	795.2	794.6	794.1	794.6	795.2	795.9	796.5	796.5	795.9	795.2
157.5°	819.2	818.7	818.1	817.6	818.1	818.7	819.2	819.7	819.7	819.3	818.8
160°	833.3	832.5	831.8	831.0	831.8	832.5	833.3	834.1	834.2	833.7	833.3
162.5°	847.2	846.5	845.7	844.9	845.7	846.5	847.2	848.0	848.0	847.1	846.3
165°	864.9	864.2	863.6	863.1	863.6	864.2	864.9	865.5	865.4	864.4	863.5
167.5°	878.9	877.9	877.0	876.0	877.0	877.9	878.9	879.9	879.9	879.0	878.0
170°	886.5	885.5	884.3	883.2	884.3	885.5	886.5	887.6	887.7	886.7	885.8
172.5°	892.7	891.5	890.5	889.4	890.5	891.5	892.7	893.8	893.8	892.7	891.6
175°	899.0	898.0	896.9	895.8	896.9	898.0	899.0	900.2	900.2	899.0	898.0
177.5°	902.1	901.2	900.2	899.1	900.2	901.2	902.1	903.1	903.2	902.3	901.4
180°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3



TEST NUMBER: P332938-940

CATALOG NUMBER: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1125.9	1128.5	1134.6	1141.4	1147.1	1152.0	1155.8	1161.1	1166.1	1172.9	1179.4
5°	1057.6	1064.2	1073.7	1085.0	1099.3	1108.8	1120.6	1131.0	1146.2	1161.5	1176.2
7.5°	997.6	1005.0	1018.9	1034.7	1051.5	1067.0	1081.1	1099.5	1119.6	1141.7	1166.4
10°	958.9	967.0	983.6	1001.6	1021.5	1036.7	1055.7	1077.5	1100.3	1127.3	1157.6
12.5°	924.0	931.7	951.7	970.1	990.8	1007.5	1029.5	1051.7	1082.0	1111.3	1145.8
15°	856.0	876.4	899.2	921.0	945.7	966.1	992.6	1015.4	1044.3	1085.6	1124.9
17.5°	780.5	802.3	830.5	864.2	897.2	922.5	949.4	977.7	1012.1	1054.3	1099.7
20°	736.5	754.0	785.3	822.8	861.2	896.3	921.0	952.3	987.8	1033.4	1080.3
22.5°	703.5	718.4	742.9	780.3	821.8	862.6	894.0	925.0	964.3	1009.9	1061.0
25°	654.0	670.1	691.4	717.0	764.5	807.6	848.9	884.5	926.2	971.7	1028.7
27.5°	612.8	626.9	646.4	673.1	704.9	752.5	802.5	843.1	885.9	934.8	991.8
30°	588.5	599.9	616.1	643.1	673.4	716.1	766.9	814.3	857.5	908.2	967.4
32.5°	563.1	575.2	591.0	612.3	645.0	680.8	731.6	783.5	829.4	881.3	939.4
35°	529.2	538.8	552.9	574.8	604.2	635.5	680.6	734.1	782.5	838.0	893.5
37.5°	495.0	506.2	517.4	536.8	561.0	594.6	631.5	686.3	739.9	790.5	844.6
40°	475.6	482.3	494.6	510.3	535.9	565.8	600.4	654.0	707.6	757.9	812.3
42.5°	454.1	461.5	471.9	487.5	510.5	539.6	573.5	619.8	675.7	724.4	774.1
45°	424.0	428.2	438.6	451.9	470.9	500.3	531.6	572.9	625.5	672.0	715.6
47.5°	393.6	397.3	403.9	416.0	437.3	460.8	490.2	527.2	573.4	619.8	656.7
50°	372.7	376.0	382.3	393.6	412.6	435.9	464.8	497.9	539.2	583.8	614.7
52.5°	351.9	353.7	359.4	372.4	388.3	411.2	437.0	467.6	506.2	543.2	574.4
55°	318.7	323.0	326.7	336.3	351.4	373.3	396.5	425.4	455.3	486.6	513.1
57.5°	284.1	288.7	294.3	302.6	314.6	334.9	355.8	379.2	404.7	430.7	453.0
60°	261.3	265.6	270.3	279.8	290.7	306.8	329.6	350.0	369.4	393.2	415.4
62.5°	238.9	243.2	248.7	256.3	266.8	282.1	301.1	318.9	339.1	359.8	376.4
65°	205.8	209.1	213.4	220.5	230.5	244.2	259.8	273.7	291.7	306.8	322.0
67.5°	169.5	175.8	181.5	187.3	195.6	208.5	219.8	232.9	245.2	256.5	270.3
70°	145.6	152.8	157.9	164.1	172.2	183.1	193.9	203.0	212.9	223.8	236.2
72.5°	125.5	131.1	135.2	141.7	149.0	159.2	169.3	176.8	184.9	192.3	204.3
75°	99.2	101.5	104.3	109.6	116.2	123.8	131.9	138.5	143.2	149.9	158.4
77.5°	71.2	75.8	77.7	81.4	86.1	90.9	96.2	101.7	106.3	108.7	115.2
80°	54.6	56.4	58.3	63.6	66.4	71.2	74.9	80.2	82.0	84.4	90.6
82.5°	42.4	43.5	44.7	46.1	47.8	52.5	56.4	59.7	61.5	62.4	67.1
85°	24.7	25.1	25.6	26.1	26.6	26.6	28.4	30.9	34.2	34.2	35.6
87.5°	11.6	11.8	11.5	10.9	11.4	11.1	11.2	11.0	11.7	12.5	13.3
90°	16.2	15.3	14.1	12.8	11.6	10.3	8.9	7.2	5.5	3.8	2.1
92.5°	28.2	27.6	26.8	25.9	25.0	24.2	22.7	20.8	18.8	16.9	14.9
95°	53.4	53.0	51.9	50.8	49.8	48.7	47.4	46.0	44.6	43.2	41.8
97.5°	84.4	83.8	82.5	81.2	80.0	78.7	77.5	76.4	75.3	74.2	73.0
100°	107.0	106.6	105.2	103.9	102.5	101.1	100.0	99.4	98.8	98.2	97.6
102.5°	130.5	130.1	128.9	127.5	126.3	125.0	124.2	124.0	123.8	123.5	123.2
105°	166.4	165.9	165.3	164.7	164.1	163.5	163.1	162.9	162.7	162.6	162.5
107.5°	205.3	204.8	204.7	204.6	204.6	204.5	204.3	204.1	203.9	203.8	203.6
110°	231.8	232.1	232.3	232.5	232.6	232.7	232.6	232.4	232.0	231.8	231.5



TEST NUMBER: P332938-940

CATALOG NUMBER: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	259.4	259.5	259.8	260.0	260.3	260.6	260.7	260.6	260.6	260.5	260.5
115°	302.4	302.6	302.8	303.2	303.4	303.8	304.0	304.0	304.0	304.0	304.0
117.5°	344.0	344.6	344.7	344.9	345.2	345.4	345.4	345.3	345.2	345.1	344.9
120°	372.2	373.0	373.4	373.9	374.3	374.8	374.8	374.2	373.5	372.9	372.3
122.5°	400.3	400.8	401.1	401.3	401.5	401.7	401.7	401.4	401.2	400.9	400.7
125°	441.7	442.0	442.1	442.3	442.5	442.6	442.6	442.6	442.6	442.6	442.6
127.5°	481.4	481.7	482.0	482.2	482.4	482.7	482.6	482.1	481.7	481.2	480.7
130°	509.3	509.6	509.6	509.6	509.6	509.6	509.3	508.9	508.5	508.0	507.5
132.5°	535.5	535.8	535.9	536.1	536.2	536.3	536.2	535.8	535.6	535.2	534.8
135°	574.8	575.2	575.2	575.2	575.2	575.2	574.7	573.7	572.8	571.9	571.0
137.5°	613.0	613.3	613.1	612.9	612.6	612.3	612.0	611.5	611.1	610.7	610.3
140°	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.4	637.1	636.8	636.5
142.5°	661.3	661.3	661.4	661.6	661.6	661.8	661.7	661.4	661.1	660.8	660.5
145°	697.0	697.1	697.0	696.8	696.7	696.5	696.2	695.5	694.9	694.3	693.7
147.5°	729.2	729.3	729.4	729.6	729.7	729.9	729.5	728.8	728.0	727.3	726.6
150°	749.4	749.4	749.4	749.4	749.4	749.4	749.1	748.5	747.9	747.3	746.6
152.5°	768.2	767.9	767.7	767.6	767.4	767.3	767.0	766.7	766.3	766.0	765.6
155°	794.6	794.1	794.2	794.3	794.5	794.6	794.7	794.7	794.7	794.7	794.7
157.5°	818.3	817.9	817.9	818.0	818.0	818.0	818.1	818.4	818.7	818.9	819.3
160°	832.9	832.4	832.5	832.7	832.9	832.9	833.1	833.3	833.5	833.6	833.7
162.5°	845.5	844.6	844.8	845.0	845.1	845.3	845.5	846.0	846.3	846.8	847.1
165°	862.6	861.7	861.9	862.3	862.6	862.9	863.3	863.7	864.2	864.7	865.1
167.5°	877.1	876.1	876.1	876.1	876.0	876.0	876.4	877.0	877.6	878.2	879.0
170°	884.8	884.0	883.8	883.7	883.5	883.3	883.7	884.4	885.2	886.0	886.7
172.5°	890.6	889.6	889.5	889.5	889.5	889.4	889.7	890.4	891.0	891.7	892.3
175°	896.9	895.8	896.0	896.1	896.3	896.4	896.9	897.7	898.4	899.2	900.0
177.5°	900.5	899.7	899.7	899.7	899.7	899.7	900.0	900.6	901.3	901.9	902.5
180°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3



TEST NUMBER: P332938-940
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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1184.3	1187.7	1191.5	1198.7	1204.8	1207.5	1212.7	1216.6	1215.4	1220.7	1229.8
5°	1188.9	1201.8	1216.5	1231.6	1248.7	1262.9	1274.3	1285.7	1294.7	1305.6	1321.7
7.5°	1188.2	1210.9	1235.7	1262.9	1290.9	1315.1	1337.5	1360.2	1380.5	1402.6	1431.5
10°	1185.2	1215.5	1246.3	1281.9	1317.4	1351.1	1381.4	1410.0	1437.0	1465.9	1502.4
12.5°	1181.7	1216.7	1253.9	1296.6	1341.0	1381.4	1417.1	1458.1	1492.0	1529.3	1571.5
15°	1166.6	1213.6	1264.4	1319.8	1373.0	1427.5	1476.3	1526.6	1573.5	1618.1	1671.2
17.5°	1149.4	1203.5	1263.4	1328.9	1392.8	1459.0	1517.0	1580.4	1628.4	1688.2	1737.5
20°	1135.3	1193.6	1257.7	1331.2	1403.7	1477.3	1541.3	1605.8	1659.8	1720.1	1782.7
22.5°	1118.3	1182.3	1251.6	1327.8	1403.7	1484.1	1555.0	1619.1	1686.0	1753.8	1818.4
25°	1090.7	1157.2	1230.7	1314.1	1401.4	1483.5	1559.3	1639.0	1711.1	1784.6	1842.5
27.5°	1057.0	1126.7	1204.2	1290.3	1379.8	1463.9	1553.3	1638.2	1710.7	1781.5	1831.9
30°	1030.0	1103.6	1178.0	1265.2	1358.3	1448.3	1544.2	1629.1	1705.4	1769.0	1797.4
32.5°	1002.4	1072.1	1148.8	1237.2	1332.4	1429.4	1524.4	1611.2	1681.9	1720.0	1720.7
35°	954.2	1019.6	1099.3	1186.1	1283.8	1389.1	1485.3	1570.7	1613.8	1617.2	1570.7
37.5°	901.6	961.7	1036.9	1123.7	1230.7	1335.5	1433.9	1490.8	1505.1	1456.9	1370.9
40°	864.1	919.5	992.1	1081.3	1187.5	1295.7	1385.3	1427.0	1411.8	1333.6	1237.8
42.5°	824.7	876.3	946.2	1034.2	1140.9	1250.1	1326.4	1348.9	1308.7	1218.3	1106.2
45°	760.2	807.6	876.9	965.5	1068.0	1170.5	1228.3	1216.9	1150.0	1042.9	917.2
47.5°	693.1	739.0	801.3	883.3	988.2	1076.7	1115.8	1081.5	986.3	868.4	766.2
50°	648.8	695.7	753.1	831.3	927.1	1012.5	1037.7	985.5	879.8	766.3	672.4
52.5°	605.1	645.2	701.5	777.1	868.7	940.8	954.2	894.0	784.9	683.3	600.0
55°	538.8	575.2	622.7	693.8	773.0	834.2	827.1	749.8	650.7	563.9	498.5
57.5°	474.6	502.0	545.8	612.5	682.1	723.1	697.1	631.2	538.9	467.8	412.6
60°	432.0	457.6	498.5	556.8	618.0	641.1	619.4	547.8	474.7	409.7	363.3
62.5°	391.8	414.4	449.5	503.6	553.0	566.9	543.5	481.0	415.2	359.6	321.2
65°	333.4	354.3	384.1	422.6	456.7	463.3	448.2	384.1	334.3	287.8	261.3
67.5°	280.4	294.0	317.4	350.5	368.7	372.6	343.2	303.0	259.1	230.6	210.5
70°	244.7	254.2	276.0	294.0	308.7	309.2	282.1	249.9	216.2	193.1	178.3
72.5°	210.2	219.3	235.8	248.2	259.4	255.7	231.0	205.5	178.3	160.8	149.9
75°	162.2	170.2	178.8	184.5	184.5	179.8	161.8	142.8	127.1	116.6	113.3
77.5°	117.9	124.6	127.4	126.5	124.8	117.4	106.0	93.6	88.0	83.1	80.6
80°	92.5	95.3	96.3	93.9	91.0	82.5	74.9	69.7	64.5	62.6	61.6
82.5°	68.6	71.1	68.6	69.2	63.0	56.0	51.8	50.0	47.8	47.1	46.1
85°	36.6	36.0	35.1	32.7	28.4	27.5	27.0	26.6	25.6	26.1	25.1
87.5°	13.3	12.5	11.3	11.2	11.6	11.1	11.7	11.9	12.2	11.9	12.9
90°	3.8	5.5	7.2	8.9	10.3	11.6	12.8	14.1	15.3	16.2	17.2
92.5°	16.9	18.8	20.8	22.7	24.2	25.0	25.9	26.8	27.6	28.2	28.7
95°	43.2	44.6	46.0	47.4	48.7	49.8	50.8	51.9	53.0	53.4	53.9
97.5°	74.2	75.3	76.4	77.5	78.7	80.0	81.2	82.5	83.8	84.4	84.9
100°	98.2	98.8	99.4	100.0	101.1	102.5	103.9	105.2	106.6	107.0	107.3
102.5°	123.5	123.8	124.0	124.2	125.0	126.3	127.5	128.9	130.1	130.5	131.0
105°	162.6	162.7	162.9	163.1	163.5	164.1	164.7	165.3	165.9	166.4	166.8
107.5°	203.8	203.9	204.1	204.3	204.5	204.6	204.6	204.7	204.8	205.3	205.7
110°	231.8	232.0	232.4	232.6	232.7	232.6	232.5	232.3	232.1	231.8	231.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	260.5	260.6	260.6	260.7	260.6	260.3	260.0	259.8	259.5	259.4	259.3
115°	304.0	304.0	304.0	304.0	303.8	303.4	303.2	302.8	302.6	302.4	302.2
117.5°	345.1	345.2	345.3	345.4	345.4	345.2	344.9	344.7	344.6	344.0	343.5
120°	372.9	373.5	374.2	374.8	374.8	374.3	373.9	373.4	373.0	372.2	371.4
122.5°	400.9	401.2	401.4	401.7	401.7	401.5	401.3	401.1	400.8	400.3	399.8
125°	442.6	442.6	442.6	442.6	442.6	442.5	442.3	442.1	442.0	441.7	441.4
127.5°	481.2	481.7	482.1	482.6	482.7	482.4	482.2	482.0	481.7	481.4	481.1
130°	508.0	508.5	508.9	509.3	509.6	509.6	509.6	509.6	509.6	509.3	509.0
132.5°	535.2	535.6	535.8	536.2	536.3	536.2	536.1	535.9	535.8	535.5	535.2
135°	571.9	572.8	573.7	574.7	575.2	575.2	575.2	575.2	575.2	574.8	574.5
137.5°	610.7	611.1	611.5	612.0	612.3	612.6	612.9	613.1	613.3	613.0	612.5
140°	636.8	637.1	637.4	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.6
142.5°	660.8	661.1	661.4	661.7	661.8	661.6	661.6	661.4	661.3	661.3	661.2
145°	694.3	694.9	695.5	696.2	696.5	696.7	696.8	697.0	697.1	697.0	696.8
147.5°	727.3	728.0	728.8	729.5	729.9	729.7	729.6	729.4	729.3	729.2	729.1
150°	747.3	747.9	748.5	749.1	749.4	749.4	749.4	749.4	749.4	749.4	749.4
152.5°	766.0	766.3	766.7	767.0	767.3	767.4	767.6	767.7	767.9	768.2	768.6
155°	794.7	794.7	794.7	794.7	794.6	794.5	794.3	794.2	794.1	794.6	795.2
157.5°	818.9	818.7	818.4	818.1	818.0	818.0	818.0	817.9	817.9	818.3	818.8
160°	833.6	833.5	833.3	833.1	832.9	832.9	832.7	832.5	832.4	832.9	833.3
162.5°	846.8	846.3	846.0	845.5	845.3	845.1	845.0	844.8	844.6	845.5	846.3
165°	864.7	864.2	863.7	863.3	862.9	862.6	862.3	861.9	861.7	862.6	863.5
167.5°	878.2	877.6	877.0	876.4	876.0	876.0	876.1	876.1	876.1	877.1	878.0
170°	886.0	885.2	884.4	883.7	883.3	883.5	883.7	883.8	884.0	884.8	885.8
172.5°	891.7	891.0	890.4	889.7	889.4	889.5	889.5	889.5	889.6	890.6	891.6
175°	899.2	898.4	897.7	896.9	896.4	896.3	896.1	896.0	895.8	896.9	898.0
177.5°	901.9	901.3	900.6	900.0	899.7	899.7	899.7	899.7	899.7	900.5	901.4
180°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1234.8	1236.3	1237.4	1241.2	1241.5	1245.0	1241.5
5°	1336.9	1343.5	1354.0	1364.4	1365.4	1372.0	1360.1
7.5°	1451.4	1466.9	1476.4	1493.3	1499.9	1504.1	1497.3
10°	1530.4	1544.6	1569.8	1582.1	1594.4	1596.3	1590.6
12.5°	1606.7	1629.2	1649.0	1672.4	1671.8	1688.5	1682.4
15°	1708.3	1731.4	1759.0	1785.0	1794.6	1794.6	1802.1
17.5°	1780.7	1823.3	1851.7	1872.2	1894.6	1898.5	1895.9
20°	1829.6	1875.6	1906.0	1932.5	1947.8	1952.0	1952.0
22.5°	1866.1	1905.2	1934.8	1958.7	1971.2	1976.3	1974.8
25°	1891.3	1924.9	1942.9	1950.1	1953.4	1952.5	1943.5
27.5°	1856.7	1855.2	1843.9	1822.0	1805.6	1795.6	1784.3
30°	1790.7	1766.1	1737.7	1706.3	1666.0	1635.2	1625.7
32.5°	1692.5	1637.1	1588.9	1536.8	1493.4	1462.6	1449.7
35°	1502.4	1414.7	1343.1	1280.5	1234.9	1206.5	1197.0
37.5°	1276.8	1191.9	1103.3	1042.6	1004.9	976.1	965.4
40°	1133.5	1041.0	963.7	906.8	867.9	839.9	839.5
42.5°	1002.6	914.3	841.5	800.5	758.6	740.1	740.0
45°	820.9	750.3	688.6	656.4	631.2	616.1	611.8
47.5°	679.7	621.3	580.1	554.5	534.0	524.3	518.1
50°	600.4	549.2	516.5	494.2	482.8	470.5	469.5
52.5°	534.4	493.0	467.5	449.4	435.0	427.6	427.8
55°	449.1	416.4	398.3	384.6	373.3	367.6	365.2
57.5°	378.4	353.8	340.7	328.1	323.2	318.8	317.5
60°	334.3	317.7	305.4	295.4	288.4	287.0	286.4
62.5°	297.9	280.5	272.1	264.3	259.1	256.9	256.1
65°	245.7	232.8	225.2	219.1	217.2	213.9	213.4
67.5°	198.0	190.4	185.3	181.1	178.5	178.3	178.3
70°	168.8	164.5	160.3	157.9	156.5	155.5	155.5
72.5°	143.8	140.6	137.1	135.9	135.6	134.6	134.3
75°	109.6	106.2	106.7	104.3	102.5	100.0	98.6
77.5°	77.7	75.3	74.8	74.5	72.9	72.7	73.4
80°	60.2	57.9	57.4	57.9	57.4	56.0	56.0
82.5°	45.8	43.8	43.3	43.1	42.6	43.1	42.3
85°	24.7	23.7	23.7	23.7	24.7	24.2	23.7
87.5°	12.4	12.1	12.7	12.3	12.4	12.1	12.6
90°	18.1	19.1	19.7	20.0	20.3	20.6	21.0
92.5°	29.2	29.9	30.2	30.4	30.6	30.8	30.9
95°	54.4	54.8	55.1	55.1	55.1	55.1	55.1
97.5°	85.4	86.1	86.3	86.3	86.3	86.3	86.3
100°	107.6	107.9	108.1	108.1	108.1	108.1	108.1
102.5°	131.3	131.8	132.1	132.2	132.3	132.5	132.6
105°	167.3	167.7	168.3	168.7	169.2	169.6	170.1
107.5°	206.1	206.5	206.8	206.7	206.7	206.7	206.6
110°	231.2	230.9	231.0	231.5	231.9	232.4	232.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	259.3	259.2	259.2	259.3	259.4	259.5	259.6
115°	302.1	301.9	301.8	301.7	301.5	301.3	301.1
117.5°	343.0	342.4	342.0	341.7	341.3	341.1	340.7
120°	370.6	369.9	369.6	370.0	370.2	370.6	370.9
122.5°	399.3	398.8	398.2	397.6	397.1	396.5	396.0
125°	441.0	440.8	440.4	440.1	439.8	439.5	439.2
127.5°	480.8	480.5	480.2	479.9	479.7	479.5	479.2
130°	508.6	508.4	507.9	507.3	506.7	506.0	505.4
132.5°	534.8	534.6	534.3	534.0	533.8	533.5	533.3
135°	574.2	573.9	573.5	573.0	572.6	572.1	571.7
137.5°	612.2	611.7	611.5	611.6	611.7	611.8	612.0
140°	637.4	637.2	637.1	636.9	636.8	636.6	636.5
142.5°	661.2	661.2	661.1	661.1	661.1	661.0	661.0
145°	696.7	696.5	696.2	695.7	695.3	694.8	694.4
147.5°	729.0	728.8	728.7	728.5	728.3	728.3	728.1
150°	749.4	749.4	749.3	749.2	749.0	748.9	748.7
152.5°	768.9	769.3	769.3	768.9	768.5	768.1	767.7
155°	795.9	796.5	796.5	795.9	795.2	794.6	794.1
157.5°	819.3	819.7	819.7	819.2	818.7	818.1	817.6
160°	833.7	834.2	834.1	833.3	832.5	831.8	831.0
162.5°	847.1	848.0	848.0	847.2	846.5	845.7	844.9
165°	864.4	865.4	865.5	864.9	864.2	863.6	863.1
167.5°	879.0	879.9	879.9	878.9	877.9	877.0	876.0
170°	886.7	887.7	887.6	886.5	885.5	884.3	883.2
172.5°	892.7	893.8	893.8	892.7	891.5	890.5	889.4
175°	899.0	900.2	900.2	899.0	898.0	896.9	895.8
177.5°	902.3	903.2	903.1	902.1	901.2	900.2	899.1
180°	901.3	901.3	901.3	901.3	901.3	901.3	901.3

(END OF REPORT)