

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: P332933-935

Luminaire Tested: **SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332933-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

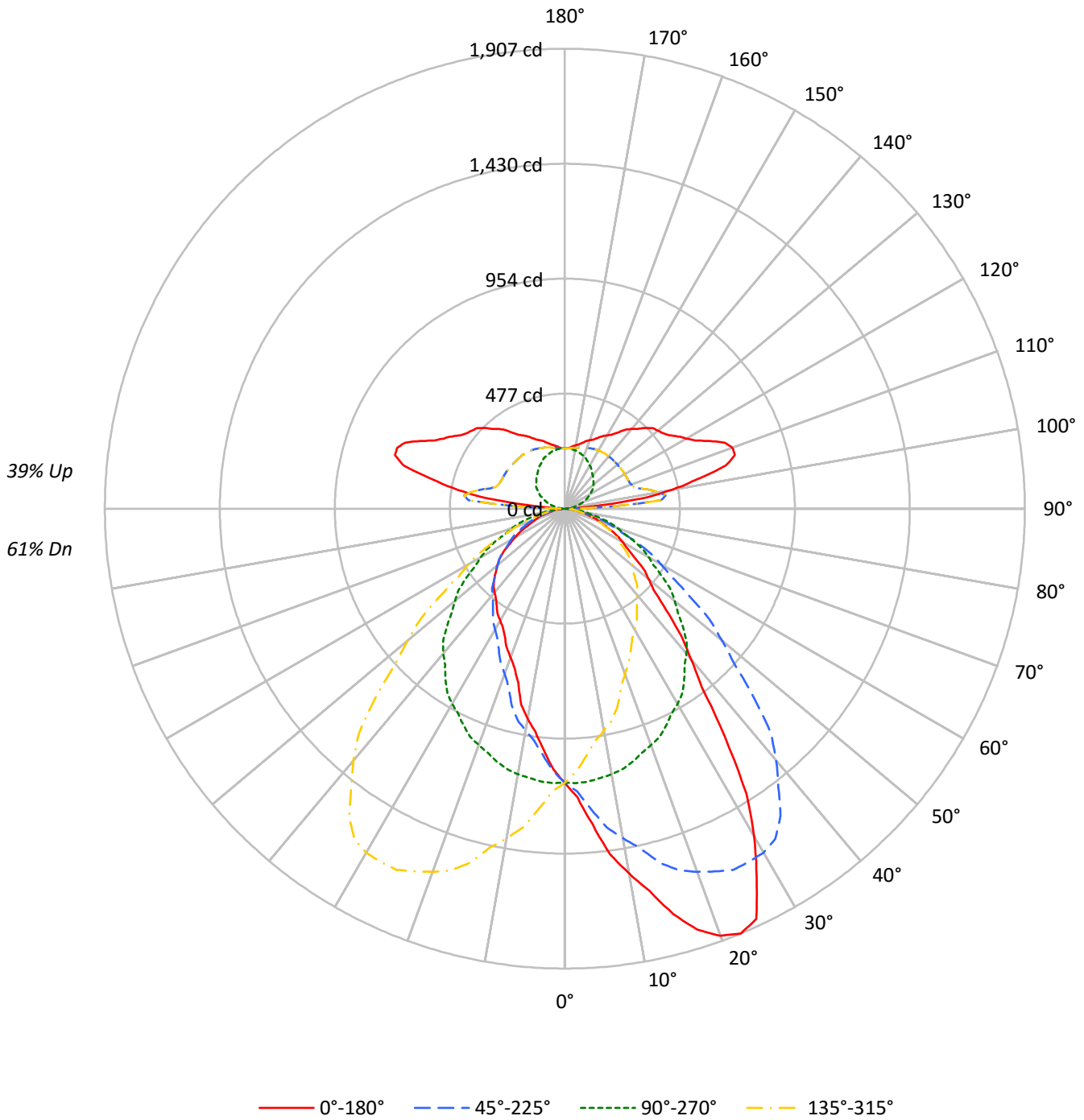
Lumens per Lamp: N/A
Luminaire Lumens: 4692.5 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

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	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	66	66	66	61
1	101	97	93	90	94	91	87	85	79	77	75	69	67	66	60	58	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	75	68	62	79	71	65	59	63	58	54	55	51	48	48	45	42	39
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	40	37	34
5	71	60	52	46	67	57	49	44	50	45	40	44	40	36	39	35	33	30
6	66	54	46	40	62	51	44	39	46	40	35	40	36	32	35	32	29	26
7	61	49	41	36	57	46	39	34	41	36	31	37	32	29	32	29	26	23
8	57	45	37	32	53	42	35	30	38	32	28	34	29	26	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	38	30	26	47	36	29	25	32	27	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9175	9175	9175	9175
5°	10643	9203	8135	9203
10°	12591	9163	7260	9163
15°	14543	9078	6238	9078
20°	16192	8961	5642	8961
25°	16715	8847	5238	8847
30°	14632	8708	4994	8708
35°	11391	8502	4847	8502
40°	8541	8266	4769	8266
45°	6744	7889	4727	7889
50°	5693	7454	4589	7454
55°	4963	6973	4345	6973
60°	4466	6476	3846	6476
65°	3935	5939	3307	5939
70°	3545	5384	2984	5384
75°	2969	4769	2542	4769
80°	2515	4068	2385	4068
85°	2121	3186	2121	3186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	2.3
10°-20°	332.2	7.1
20°-30°	519.5	11.1
30°-40°	577.6	12.3
40°-50°	512.4	10.9
50°-60°	399.3	8.5
60°-70°	261.4	5.6
70°-80°	128.6	2.7
80°-90°	33.1	0.7
90°-100°	180.6	3.8
100°-110°	375.8	8.0
110°-120°	336.6	7.2
120°-130°	283.1	6.0
130°-140°	236.1	5.0
140°-150°	180.4	3.8
150°-160°	126.8	2.7
160°-170°	74.6	1.6
170°-180°	24.3	0.5
0°-30°	961.8	20.5
0°-40°	1539.4	32.8
0°-60°	2451.2	52.2
0°-90°	2874.3	61.3
90°-120°	893.0	19.0
90°-150°	1592.6	33.9
90°-180°	1818.0	38.7
0°-180°	4692.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1136	1136	1136	1136	1136	
5°	1313	1136	1004	1136	1313	133
15°	1740	1086	746	1086	1740	495
25°	1876	993	588	993	1876	832
35°	1156	863	492	863	1156	724
45°	591	691	414	691	591	468
55°	353	495	309	495	353	321
65°	206	311	173	311	206	207
75°	95	153	82	153	95	105
85°	23	34	23	34	23	26
90°	10	0	10	0	10	9
95°	120	16	120	16	120	186
105°	691	57	691	57	691	683
115°	664	101	664	101	664	659
125°	529	141	529	141	529	481
135°	474	168	474	168	474	365
145°	386	193	386	193	386	245
155°	324	220	324	220	324	151
165°	282	239	282	239	282	81
175°	254	250	254	250	254	25
180°	250	250	250	250	250	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1198.8	1202.1	1198.8	1198.4	1194.8	1193.7	1192.2	1187.5	1178.6	1173.5	1174.7
5°	1313.3	1324.7	1318.4	1317.4	1307.3	1297.3	1290.8	1276.2	1260.6	1250.1	1241.4
7.5°	1445.7	1452.3	1448.3	1441.8	1425.6	1416.3	1401.4	1382.2	1354.3	1332.9	1313.4
10°	1535.9	1541.4	1539.5	1527.6	1515.7	1491.4	1477.6	1450.7	1415.4	1387.5	1361.4
12.5°	1624.4	1630.4	1614.2	1614.8	1592.2	1573.1	1551.3	1517.3	1476.6	1440.6	1407.9
15°	1740.1	1732.8	1732.8	1723.5	1698.4	1671.8	1649.4	1613.7	1562.4	1519.3	1474.0
17.5°	1830.6	1833.1	1829.4	1807.8	1788.0	1760.5	1719.3	1677.7	1630.0	1572.3	1526.0
20°	1884.7	1884.7	1880.7	1866.0	1840.4	1811.0	1766.6	1721.3	1660.9	1602.7	1550.5
22.5°	1906.8	1908.2	1903.3	1891.3	1868.2	1839.6	1801.8	1755.8	1693.4	1628.0	1563.3
25°	1876.5	1885.2	1886.1	1882.9	1876.0	1858.6	1826.2	1779.0	1723.1	1652.2	1582.5
27.5°	1722.9	1733.8	1743.4	1759.3	1780.4	1791.3	1792.8	1768.8	1720.1	1651.7	1581.7
30°	1569.7	1578.9	1608.6	1647.5	1677.8	1705.3	1729.1	1735.5	1708.1	1646.7	1573.0
32.5°	1399.7	1412.2	1442.0	1483.8	1534.2	1580.7	1634.2	1661.5	1660.8	1623.9	1555.7
35°	1155.8	1164.9	1192.4	1236.4	1296.8	1366.0	1450.7	1516.6	1561.5	1558.2	1516.6
37.5°	932.1	942.5	970.3	1006.7	1065.3	1150.9	1232.9	1323.7	1406.7	1453.3	1439.4
40°	810.5	811.0	838.0	875.6	930.5	1005.1	1094.4	1195.2	1287.6	1363.2	1377.9
42.5°	714.5	714.6	732.5	772.9	812.5	882.8	968.0	1068.1	1176.3	1263.6	1302.4
45°	590.7	594.9	609.5	633.8	664.9	724.4	792.6	885.6	1006.9	1110.4	1175.0
47.5°	500.2	506.3	515.6	535.4	560.2	599.9	656.3	739.8	838.5	952.4	1044.2
50°	453.3	454.3	466.1	477.2	498.7	530.3	579.7	649.3	739.9	849.5	951.6
52.5°	413.0	412.8	420.0	433.9	451.4	476.0	516.0	579.4	659.8	757.9	863.2
55°	352.6	354.9	360.4	371.3	384.6	402.1	433.6	481.3	544.5	628.3	723.9
57.5°	306.6	307.8	312.1	316.8	329.0	341.6	365.3	398.4	451.7	520.3	609.5
60°	276.6	277.1	278.4	285.2	294.9	306.8	322.8	350.8	395.6	458.4	528.9
62.5°	247.3	248.1	250.2	255.2	262.7	270.9	287.7	310.1	347.2	400.9	464.4
65°	206.0	206.6	209.7	211.5	217.5	224.8	237.2	252.3	277.9	322.8	370.9
67.5°	172.2	172.2	172.4	174.9	178.9	183.8	191.2	203.3	222.7	250.2	292.6
70°	150.2	150.2	151.1	152.5	154.8	158.9	163.0	172.2	186.4	208.8	241.3
72.5°	129.7	130.0	131.0	131.2	132.4	135.8	138.9	144.7	155.2	172.2	198.5
75°	95.2	96.6	98.9	100.7	103.1	102.5	105.8	109.4	112.6	122.7	137.8
77.5°	70.9	70.2	70.4	72.0	72.2	72.8	75.0	77.8	80.2	85.0	90.4
80°	54.1	54.1	55.4	55.9	55.4	55.9	58.1	59.5	60.4	62.3	67.3
82.5°	40.8	41.6	41.2	41.6	41.8	42.3	44.3	44.5	45.5	46.1	48.3
85°	22.9	23.3	23.8	22.9	22.9	22.9	23.8	24.3	25.2	24.7	25.7
87.5°	10.2	9.7	10.2	10.2	10.4	10.0	10.3	10.9	10.1	10.6	10.3
90°	10.3	10.3	10.8	10.3	9.8	9.8	9.3	8.9	8.4	8.9	7.8
92.5°	37.8	37.8	39.5	42.1	48.0	57.8	72.6	96.4	129.8	155.8	136.4
95°	119.9	126.2	135.1	150.3	174.4	222.0	287.8	363.9	411.6	400.3	302.0
97.5°	320.3	330.5	345.3	374.9	410.1	461.4	509.5	537.7	517.1	421.6	282.8
100°	450.4	454.3	469.1	499.0	541.7	578.1	602.2	592.4	520.6	394.9	256.4
102.5°	563.5	566.7	582.2	603.9	630.2	645.3	638.3	589.6	491.1	361.5	238.7
105°	691.0	694.0	700.9	704.8	703.9	683.7	635.1	550.1	437.6	322.2	223.5
107.5°	738.4	737.1	732.2	721.0	696.7	653.0	584.4	494.0	394.4	300.2	220.8
110°	739.2	734.8	725.9	705.3	670.5	616.4	545.2	460.2	372.8	292.7	221.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	716.0	708.9	696.5	671.5	631.9	577.9	510.6	435.5	360.6	289.2	223.9
115°	663.6	659.6	643.9	614.4	575.7	528.5	471.1	410.6	349.2	287.3	228.4
117.5°	610.4	607.3	591.4	566.7	533.6	493.6	448.4	398.4	344.1	286.8	233.2
120°	580.6	575.1	562.4	540.8	512.7	477.9	438.6	393.0	341.4	286.8	236.8
122.5°	557.0	551.6	540.8	522.3	498.6	468.0	432.3	388.2	338.2	286.5	240.3
125°	529.4	526.5	517.2	502.9	483.3	456.2	422.4	380.1	333.0	285.9	245.6
127.5°	513.3	510.4	502.6	489.9	470.1	444.5	410.7	370.3	326.1	284.7	249.8
130°	503.9	501.0	493.1	480.9	460.7	434.6	401.3	362.5	321.7	284.4	253.0
132.5°	493.4	490.3	482.9	469.1	449.3	423.3	390.6	354.2	317.8	284.0	255.7
135°	473.5	470.5	462.7	448.9	429.3	404.7	374.8	342.9	311.9	283.4	259.8
137.5°	448.9	445.4	438.9	425.3	407.0	384.8	359.6	332.5	306.8	283.3	262.3
140°	431.3	427.3	420.4	409.7	392.4	371.8	349.7	326.6	304.0	282.9	264.2
142.5°	412.3	409.7	403.6	393.5	378.3	360.4	341.5	321.2	301.7	282.9	265.8
145°	386.5	384.1	379.2	370.8	358.5	344.8	330.0	313.3	297.6	281.9	266.7
147.5°	363.7	362.7	359.0	351.9	342.9	332.0	320.2	306.9	294.0	280.2	267.2
150°	350.7	350.2	347.2	340.9	333.0	324.2	314.4	303.1	291.3	279.0	267.2
152.5°	338.9	338.4	336.7	331.4	324.8	317.5	308.4	298.7	288.1	277.0	266.4
155°	323.6	323.6	322.2	318.3	313.3	307.5	300.1	292.2	283.4	274.1	265.2
157.5°	310.3	310.3	309.4	306.5	302.7	298.0	291.9	285.2	278.6	271.0	264.0
160°	302.0	302.0	301.6	298.6	295.7	291.7	286.4	280.9	275.1	268.6	262.8
162.5°	294.2	294.6	294.1	291.2	289.0	285.4	281.2	276.6	271.9	266.3	261.6
165°	282.4	282.9	283.4	281.5	279.5	277.0	273.5	270.6	266.7	262.8	259.3
167.5°	273.1	273.5	273.5	272.3	271.3	269.8	267.1	264.8	262.0	259.2	257.0
170°	267.2	267.2	267.7	267.2	266.2	264.8	262.8	261.3	258.8	256.8	255.4
172.5°	261.3	262.1	262.6	262.1	261.5	260.5	259.2	258.1	256.1	254.5	253.8
175°	254.4	255.4	256.4	255.4	255.4	255.4	254.4	253.9	253.0	251.9	251.9
177.5°	250.4	251.2	251.9	251.6	251.9	251.6	251.6	251.2	250.8	250.4	250.4
180°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1171.0	1165.9	1163.3	1157.4	1150.5	1146.8	1143.5	1138.8	1132.5	1125.9	1121.1
5°	1230.4	1219.4	1205.7	1189.2	1174.6	1160.4	1148.0	1135.7	1121.5	1106.7	1092.1
7.5°	1291.4	1269.8	1246.5	1219.4	1193.2	1169.2	1147.3	1126.2	1102.3	1081.1	1061.6
10°	1333.9	1304.6	1272.0	1237.8	1203.4	1173.6	1144.4	1117.8	1088.5	1062.4	1040.3
12.5°	1368.3	1333.9	1294.8	1252.0	1210.7	1174.7	1141.0	1106.4	1073.1	1044.7	1015.5
15°	1425.5	1378.3	1325.7	1274.4	1220.8	1171.8	1126.4	1086.2	1048.2	1008.3	980.4
17.5°	1464.7	1408.8	1344.8	1283.1	1219.9	1162.1	1109.8	1061.8	1018.0	977.2	944.0
20°	1488.2	1426.4	1355.4	1285.4	1214.4	1152.5	1096.2	1043.1	997.8	953.8	919.5
22.5°	1501.4	1433.0	1355.4	1282.0	1208.5	1141.6	1079.8	1024.4	975.1	931.1	893.1
25°	1505.6	1432.4	1353.1	1268.9	1188.3	1117.3	1053.2	993.2	938.2	894.3	854.0
27.5°	1499.8	1413.5	1332.3	1245.9	1162.7	1087.9	1020.6	957.6	902.6	855.4	814.1
30°	1491.0	1398.4	1311.5	1221.7	1137.5	1065.6	994.5	934.1	876.9	827.9	786.3
32.5°	1471.9	1380.2	1286.5	1194.6	1109.2	1035.2	967.9	907.1	850.9	800.8	756.6
35°	1434.2	1341.3	1239.6	1145.2	1061.4	984.5	921.4	862.7	809.2	755.5	708.9
37.5°	1384.5	1289.5	1188.4	1085.0	1001.2	928.6	870.6	815.5	763.3	714.4	662.6
40°	1337.6	1251.0	1146.6	1044.0	957.9	887.9	834.3	784.4	731.8	683.2	631.5
42.5°	1280.7	1207.0	1101.6	998.6	913.6	846.1	796.3	747.4	699.5	652.5	598.5
45°	1186.0	1130.1	1031.2	932.3	846.7	779.8	734.0	691.0	648.8	604.0	553.2
47.5°	1077.4	1039.6	954.2	852.9	773.7	713.5	669.3	634.1	598.5	553.6	509.0
50°	1001.9	977.7	895.2	802.7	727.2	671.8	626.5	593.5	563.7	520.6	480.8
52.5°	921.4	908.4	838.8	750.4	677.3	623.0	584.3	554.7	524.5	488.8	451.5
55°	798.6	805.5	746.4	669.9	601.2	555.4	520.2	495.4	469.8	439.6	410.8
57.5°	673.1	698.2	658.6	591.4	527.0	484.7	458.2	437.4	415.9	390.8	366.2
60°	598.1	619.1	596.7	537.6	481.3	441.9	417.2	401.1	379.6	356.7	337.9
62.5°	524.8	547.3	534.0	486.3	434.0	400.1	378.3	363.4	347.4	327.4	307.9
65°	432.7	447.4	441.0	408.0	370.9	342.1	321.9	310.9	296.3	281.6	264.2
67.5°	331.4	359.7	356.0	338.5	306.4	283.9	270.7	261.0	247.6	236.8	224.9
70°	272.4	298.6	298.1	283.9	266.5	245.5	236.3	228.1	216.1	205.6	196.0
72.5°	223.0	246.9	250.5	239.6	227.6	211.7	202.9	197.3	185.7	178.5	170.7
75°	156.2	173.6	178.1	178.1	172.6	164.4	156.6	152.9	144.7	138.3	133.7
77.5°	102.4	113.4	120.5	122.2	123.0	120.3	113.8	111.2	105.0	102.6	98.2
80°	72.3	79.6	87.9	90.7	93.0	92.0	89.3	87.5	81.5	79.2	77.4
82.5°	50.0	54.1	60.8	66.8	66.2	68.6	66.2	64.7	60.3	59.4	57.6
85°	26.1	26.5	27.5	31.6	33.9	34.8	35.3	34.4	33.0	33.0	29.8
87.5°	10.2	9.8	9.9	9.9	10.2	11.5	12.4	12.6	11.6	10.8	9.8
90°	6.9	6.9	4.0	4.0	3.4	2.9	1.5	0.5	1.5	2.9	3.4
92.5°	99.2	61.1	36.2	25.9	18.8	12.7	8.2	5.6	8.2	12.7	18.8
95°	184.7	104.1	61.4	40.7	29.0	22.6	17.7	16.2	17.7	22.6	29.0
97.5°	166.0	99.5	66.6	49.3	39.2	33.3	29.1	29.1	29.1	33.3	39.2
100°	156.2	100.7	71.7	56.0	46.7	40.7	37.4	37.4	37.4	40.7	46.7
102.5°	153.4	104.6	78.4	63.5	54.5	49.0	46.0	45.2	46.0	49.0	54.5
105°	154.7	113.9	90.4	76.1	67.3	61.4	59.0	57.4	59.0	61.4	67.3
107.5°	162.0	124.8	103.2	89.2	80.8	74.5	72.0	71.0	72.0	74.5	80.8
110°	167.5	133.1	111.5	98.2	89.4	83.5	81.0	80.1	81.0	83.5	89.4



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	173.4	140.9	120.1	106.9	98.1	92.6	89.7	88.7	89.7	92.6	98.1
115°	182.7	153.3	133.6	120.4	111.0	106.1	102.6	101.2	102.6	106.1	111.0
117.5°	192.3	165.1	146.5	132.7	124.0	118.6	115.5	114.2	115.5	118.6	124.0
120°	198.9	173.4	154.7	140.9	132.6	127.2	123.8	122.8	123.8	127.2	132.6
122.5°	205.2	181.2	162.6	149.2	140.1	135.1	131.6	130.6	131.6	135.1	140.1
125°	214.6	192.0	174.4	160.6	151.3	145.9	142.9	140.9	142.9	145.9	151.3
127.5°	222.8	202.1	184.9	171.1	161.4	155.2	151.7	150.1	151.7	155.2	161.4
130°	227.9	208.7	192.0	177.8	168.5	161.1	157.1	155.2	157.1	161.1	168.5
132.5°	233.0	214.2	197.5	184.1	174.0	167.0	161.9	160.3	161.9	167.0	174.0
135°	239.7	222.0	205.8	193.0	182.7	174.4	169.4	167.5	169.4	174.4	182.7
137.5°	244.4	227.9	212.8	200.6	189.9	181.9	176.5	174.7	176.5	181.9	189.9
140°	247.5	231.9	217.1	205.3	195.0	186.7	181.2	179.8	181.2	186.7	195.0
142.5°	249.9	235.4	221.0	209.7	199.7	191.7	186.8	185.3	186.8	191.7	199.7
145°	252.4	239.2	226.4	215.6	206.3	199.4	194.5	193.0	194.5	199.4	206.3
147.5°	254.7	243.1	231.2	221.4	213.6	206.6	202.2	201.7	202.2	206.6	213.6
150°	255.9	245.1	234.3	225.0	217.6	211.7	207.8	207.2	207.8	211.7	217.6
152.5°	256.7	246.7	237.0	228.5	221.9	216.4	212.5	212.4	212.5	216.4	221.9
155°	257.4	249.0	240.6	233.3	227.9	223.0	220.1	219.6	220.1	223.0	227.9
157.5°	257.4	250.7	243.6	237.8	233.1	229.3	226.5	226.5	226.5	229.3	233.1
160°	257.4	251.5	245.6	240.1	236.3	232.8	230.8	230.8	230.8	232.8	236.3
162.5°	257.4	252.3	246.8	242.5	239.0	235.9	234.4	234.8	234.4	235.9	239.0
165°	256.4	252.4	248.1	245.1	242.6	240.1	239.2	239.2	239.2	240.1	242.6
167.5°	255.2	252.4	249.1	246.8	245.5	243.6	243.1	243.6	243.1	243.6	245.5
170°	254.4	251.9	249.5	248.1	247.0	245.6	245.1	245.6	245.1	245.6	247.0
172.5°	253.7	251.6	249.9	248.8	248.2	247.1	247.0	247.5	247.0	247.1	248.2
175°	252.4	251.0	250.0	250.0	249.5	249.0	249.0	249.5	249.0	249.0	249.5
177.5°	251.2	250.4	250.0	250.0	250.0	249.6	250.0	250.4	250.0	249.6	250.0
180°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1116.0	1112.3	1107.6	1102.1	1095.5	1089.7	1087.1	1089.3	1090.4	1087.4	1087.1
5°	1082.0	1070.6	1061.4	1047.7	1036.7	1027.5	1021.1	1018.4	1019.3	1012.0	1010.1
7.5°	1043.9	1030.3	1015.3	999.0	983.8	970.3	963.3	959.4	951.7	948.3	942.7
10°	1019.3	1001.0	986.4	967.1	949.7	933.7	925.9	919.5	911.7	908.0	900.3
12.5°	994.0	972.8	956.7	936.7	918.9	899.6	892.2	880.3	868.1	860.4	850.4
15°	958.4	932.8	913.1	889.2	868.2	846.2	826.6	804.5	796.3	778.9	768.9
17.5°	916.7	890.7	866.3	834.4	801.9	774.6	753.6	732.5	720.0	708.9	703.7
20°	889.2	865.5	831.6	794.4	758.3	728.1	711.1	697.4	683.6	675.9	670.4
22.5°	863.2	832.8	793.5	753.5	717.3	693.6	679.2	665.1	654.0	646.6	639.2
25°	819.7	779.8	738.1	692.3	667.6	647.0	631.5	620.0	613.1	603.6	599.9
27.5°	774.9	726.6	680.6	649.9	624.1	605.3	591.7	583.1	574.4	568.3	563.5
30°	740.5	691.5	650.2	621.0	594.9	579.3	568.3	558.2	551.3	546.3	542.6
32.5°	706.4	657.4	622.8	591.2	570.7	555.4	543.7	536.2	530.8	524.3	522.1
35°	657.1	613.6	583.4	555.0	533.9	520.2	511.0	503.3	498.7	496.8	495.4
37.5°	609.8	574.1	541.7	518.3	499.6	488.8	477.9	474.2	471.0	467.7	469.2
40°	579.7	546.3	517.5	492.8	477.6	465.7	459.3	454.7	451.9	451.9	451.9
42.5°	553.7	521.0	492.9	470.7	455.6	445.6	438.4	434.5	433.6	433.3	435.5
45°	513.3	483.1	454.7	436.4	423.5	413.5	409.4	406.1	406.1	408.0	408.5
47.5°	473.3	445.0	422.2	401.7	389.9	383.7	380.0	378.4	378.6	380.5	382.5
50°	448.8	420.9	398.4	380.0	369.1	363.1	359.9	359.0	359.9	359.9	363.1
52.5°	422.0	397.0	375.0	359.6	347.1	341.5	339.8	338.5	339.1	340.5	341.9
55°	382.8	360.4	339.3	324.7	315.5	311.9	307.7	308.2	307.3	308.2	308.2
57.5°	343.5	323.4	303.8	292.1	284.1	278.8	274.3	275.6	274.2	274.1	273.3
60°	318.2	296.3	280.7	270.2	261.0	256.4	252.3	253.2	251.8	250.9	249.1
62.5°	290.8	272.4	257.6	247.5	240.1	234.8	230.7	229.8	226.6	223.4	219.5
65°	250.9	235.8	222.6	212.9	206.0	201.9	198.7	196.0	189.1	181.8	178.1
67.5°	212.2	201.3	188.9	180.8	175.2	169.8	163.7	159.0	152.6	148.5	146.3
70°	187.3	176.8	166.3	158.4	152.5	147.5	140.6	137.4	132.8	131.0	128.6
72.5°	163.5	153.7	143.9	136.8	130.5	126.6	121.1	118.0	116.0	115.2	113.0
75°	127.3	119.5	112.2	105.8	100.7	98.0	95.7	93.4	92.5	88.3	86.1
77.5°	92.9	87.7	83.2	78.6	75.0	73.2	68.8	66.1	64.6	62.7	62.2
80°	72.3	68.7	64.1	61.4	56.3	54.5	52.7	52.2	51.7	51.3	50.8
82.5°	54.4	50.7	46.1	44.5	43.1	42.0	40.9	40.5	40.0	40.3	40.2
85°	27.5	25.7	25.7	25.2	24.7	24.3	23.8	23.8	23.3	23.8	23.3
87.5°	9.9	9.6	10.2	9.5	10.0	10.2	9.7	9.8	10.3	9.6	9.6
90°	4.0	4.0	6.9	6.9	7.8	8.9	8.4	8.9	9.3	9.8	9.8
92.5°	25.9	36.2	61.1	99.2	136.4	155.8	129.8	96.4	72.6	57.8	48.0
95°	40.7	61.4	104.1	184.7	302.0	400.3	411.6	363.9	287.8	222.0	174.4
97.5°	49.3	66.6	99.5	166.0	282.8	421.6	517.1	537.7	509.5	461.4	410.1
100°	56.0	71.7	100.7	156.2	256.4	394.9	520.6	592.4	602.2	578.1	541.7
102.5°	63.5	78.4	104.6	153.4	238.7	361.5	491.1	589.6	638.3	645.3	630.2
105°	76.1	90.4	113.9	154.7	223.5	322.2	437.6	550.1	635.1	683.7	703.9
107.5°	89.2	103.2	124.8	162.0	220.8	300.2	394.4	494.0	584.4	653.0	696.7
110°	98.2	111.5	133.1	167.5	221.5	292.7	372.8	460.2	545.2	616.4	670.5



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	106.9	120.1	140.9	173.4	223.9	289.2	360.6	435.5	510.6	577.9	631.9
115°	120.4	133.6	153.3	182.7	228.4	287.3	349.2	410.6	471.1	528.5	575.7
117.5°	132.7	146.5	165.1	192.3	233.2	286.8	344.1	398.4	448.4	493.6	533.6
120°	140.9	154.7	173.4	198.9	236.8	286.8	341.4	393.0	438.6	477.9	512.7
122.5°	149.2	162.6	181.2	205.2	240.3	286.5	338.2	388.2	432.3	468.0	498.6
125°	160.6	174.4	192.0	214.6	245.6	285.9	333.0	380.1	422.4	456.2	483.3
127.5°	171.1	184.9	202.1	222.8	249.8	284.7	326.1	370.3	410.7	444.5	470.1
130°	177.8	192.0	208.7	227.9	253.0	284.4	321.7	362.5	401.3	434.6	460.7
132.5°	184.1	197.5	214.2	233.0	255.7	284.0	317.8	354.2	390.6	423.3	449.3
135°	193.0	205.8	222.0	239.7	259.8	283.4	311.9	342.9	374.8	404.7	429.3
137.5°	200.6	212.8	227.9	244.4	262.3	283.3	306.8	332.5	359.6	384.8	407.0
140°	205.3	217.1	231.9	247.5	264.2	282.9	304.0	326.6	349.7	371.8	392.4
142.5°	209.7	221.0	235.4	249.9	265.8	282.9	301.7	321.2	341.5	360.4	378.3
145°	215.6	226.4	239.2	252.4	266.7	281.9	297.6	313.3	330.0	344.8	358.5
147.5°	221.4	231.2	243.1	254.7	267.2	280.2	294.0	306.9	320.2	332.0	342.9
150°	225.0	234.3	245.1	255.9	267.2	279.0	291.3	303.1	314.4	324.2	333.0
152.5°	228.5	237.0	246.7	256.7	266.4	277.0	288.1	298.7	308.4	317.5	324.8
155°	233.3	240.6	249.0	257.4	265.2	274.1	283.4	292.2	300.1	307.5	313.3
157.5°	237.8	243.6	250.7	257.4	264.0	271.0	278.6	285.2	291.9	298.0	302.7
160°	240.1	245.6	251.5	257.4	262.8	268.6	275.1	280.9	286.4	291.7	295.7
162.5°	242.5	246.8	252.3	257.4	261.6	266.3	271.9	276.6	281.2	285.4	289.0
165°	245.1	248.1	252.4	256.4	259.3	262.8	266.7	270.6	273.5	277.0	279.5
167.5°	246.8	249.1	252.4	255.2	257.0	259.2	262.0	264.8	267.1	269.8	271.3
170°	248.1	249.5	251.9	254.4	255.4	256.8	258.8	261.3	262.8	264.8	266.2
172.5°	248.8	249.9	251.6	253.7	253.8	254.5	256.1	258.1	259.2	260.5	261.5
175°	250.0	250.0	251.0	252.4	251.9	251.9	253.0	253.9	254.4	255.4	255.4
177.5°	250.0	250.0	250.4	251.2	250.4	250.4	250.8	251.2	251.6	251.6	251.9
180°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1084.9	1085.6	1083.1	1082.3	1083.1	1085.6	1084.9	1087.1	1087.4	1090.4	1089.3
5°	1006.5	1005.6	1003.3	1003.8	1003.3	1005.6	1006.5	1010.1	1012.0	1019.3	1018.4
7.5°	939.4	935.9	936.9	933.2	936.9	935.9	939.4	942.7	948.3	951.7	959.4
10°	898.5	893.4	889.2	885.6	889.2	893.4	898.5	900.3	908.0	911.7	919.5
12.5°	842.4	838.1	832.5	833.6	832.5	838.1	842.4	850.4	860.4	868.1	880.3
15°	762.8	756.0	745.0	746.4	745.0	756.0	762.8	768.9	778.9	796.3	804.5
17.5°	695.6	695.7	690.6	691.8	690.6	695.7	695.6	703.7	708.9	720.0	732.5
20°	660.7	657.5	658.0	656.7	658.0	657.5	660.7	670.4	675.9	683.6	697.4
22.5°	636.6	632.7	629.5	626.6	629.5	632.7	636.6	639.2	646.6	654.0	665.1
25°	595.7	593.0	588.8	588.0	588.8	593.0	595.7	599.9	603.6	613.1	620.0
27.5°	559.8	559.3	557.7	555.5	557.7	559.3	559.8	563.5	568.3	574.4	583.1
30°	539.0	538.0	537.1	535.7	537.1	538.0	539.0	542.6	546.3	551.3	558.2
32.5°	520.3	519.7	518.8	518.9	518.8	519.7	520.3	522.1	524.3	530.8	536.2
35°	493.6	493.2	492.2	491.8	492.2	493.2	493.6	495.4	496.8	498.7	503.3
37.5°	468.7	469.9	469.3	469.2	469.3	469.9	468.7	469.2	467.7	471.0	474.2
40°	451.5	451.9	452.9	452.5	452.9	451.9	451.5	451.9	451.9	451.9	454.7
42.5°	437.2	437.3	438.6	437.0	438.6	437.3	437.2	435.5	433.3	433.6	434.5
45°	411.6	414.4	414.0	414.0	414.0	414.4	411.6	408.5	408.0	406.1	406.1
47.5°	383.7	386.1	386.8	386.7	386.8	386.1	383.7	382.5	380.5	378.6	378.4
50°	365.4	364.5	365.8	365.4	365.8	364.5	365.4	363.1	359.9	359.9	359.0
52.5°	343.1	343.3	343.2	342.7	343.2	343.3	343.1	341.9	340.5	339.1	338.5
55°	308.7	309.1	308.2	308.7	308.2	309.1	308.7	308.2	308.2	307.3	308.2
57.5°	271.3	269.1	270.0	268.9	270.0	269.1	271.3	273.3	274.1	274.2	275.6
60°	244.5	240.8	240.0	238.2	240.0	240.8	244.5	249.1	250.9	251.8	253.2
62.5°	214.5	211.9	208.8	210.3	208.8	211.9	214.5	219.5	223.4	226.6	229.8
65°	174.4	172.6	171.3	173.1	171.3	172.6	174.4	178.1	181.8	189.1	196.0
67.5°	144.4	143.4	143.4	142.5	143.4	143.4	144.4	146.3	148.5	152.6	159.0
70°	128.6	127.3	127.3	126.4	127.3	127.3	128.6	128.6	131.0	132.8	137.4
72.5°	112.5	111.2	111.6	111.0	111.6	111.2	112.5	113.0	115.2	116.0	118.0
75°	83.3	81.0	81.0	81.5	81.0	81.0	83.3	86.1	88.3	92.5	93.4
77.5°	62.2	61.7	62.3	61.6	62.3	61.7	62.2	62.2	62.7	64.6	66.1
80°	50.8	50.4	49.9	51.3	49.9	50.4	50.8	50.8	51.3	51.7	52.2
82.5°	39.4	39.3	39.3	41.1	39.3	39.3	39.4	40.2	40.3	40.0	40.5
85°	23.8	22.9	23.8	22.9	23.8	22.9	23.8	23.3	23.8	23.3	23.8
87.5°	10.5	10.2	9.7	10.2	9.7	10.2	10.5	9.6	9.6	10.3	9.8
90°	10.3	10.8	10.3	10.3	10.3	10.8	10.3	9.8	9.8	9.3	8.9
92.5°	42.1	39.5	37.8	37.8	37.8	39.5	42.1	48.0	57.8	72.6	96.4
95°	150.3	135.1	126.2	119.9	126.2	135.1	150.3	174.4	222.0	287.8	363.9
97.5°	374.9	345.3	330.5	320.3	330.5	345.3	374.9	410.1	461.4	509.5	537.7
100°	499.0	469.1	454.3	450.4	454.3	469.1	499.0	541.7	578.1	602.2	592.4
102.5°	603.9	582.2	566.7	563.5	566.7	582.2	603.9	630.2	645.3	638.3	589.6
105°	704.8	700.9	694.0	691.0	694.0	700.9	704.8	703.9	683.7	635.1	550.1
107.5°	721.0	732.2	737.1	738.4	737.1	732.2	721.0	696.7	653.0	584.4	494.0
110°	705.3	725.9	734.8	739.2	734.8	725.9	705.3	670.5	616.4	545.2	460.2



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	671.5	696.5	708.9	716.0	708.9	696.5	671.5	631.9	577.9	510.6	435.5
115°	614.4	643.9	659.6	663.6	659.6	643.9	614.4	575.7	528.5	471.1	410.6
117.5°	566.7	591.4	607.3	610.4	607.3	591.4	566.7	533.6	493.6	448.4	398.4
120°	540.8	562.4	575.1	580.6	575.1	562.4	540.8	512.7	477.9	438.6	393.0
122.5°	522.3	540.8	551.6	557.0	551.6	540.8	522.3	498.6	468.0	432.3	388.2
125°	502.9	517.2	526.5	529.4	526.5	517.2	502.9	483.3	456.2	422.4	380.1
127.5°	489.9	502.6	510.4	513.3	510.4	502.6	489.9	470.1	444.5	410.7	370.3
130°	480.9	493.1	501.0	503.9	501.0	493.1	480.9	460.7	434.6	401.3	362.5
132.5°	469.1	482.9	490.3	493.4	490.3	482.9	469.1	449.3	423.3	390.6	354.2
135°	448.9	462.7	470.5	473.5	470.5	462.7	448.9	429.3	404.7	374.8	342.9
137.5°	425.3	438.9	445.4	448.9	445.4	438.9	425.3	407.0	384.8	359.6	332.5
140°	409.7	420.4	427.3	431.3	427.3	420.4	409.7	392.4	371.8	349.7	326.6
142.5°	393.5	403.6	409.7	412.3	409.7	403.6	393.5	378.3	360.4	341.5	321.2
145°	370.8	379.2	384.1	386.5	384.1	379.2	370.8	358.5	344.8	330.0	313.3
147.5°	351.9	359.0	362.7	363.7	362.7	359.0	351.9	342.9	332.0	320.2	306.9
150°	340.9	347.2	350.2	350.7	350.2	347.2	340.9	333.0	324.2	314.4	303.1
152.5°	331.4	336.7	338.4	338.9	338.4	336.7	331.4	324.8	317.5	308.4	298.7
155°	318.3	322.2	323.6	323.6	323.6	322.2	318.3	313.3	307.5	300.1	292.2
157.5°	306.5	309.4	310.3	310.3	310.3	309.4	306.5	302.7	298.0	291.9	285.2
160°	298.6	301.6	302.0	302.0	302.0	301.6	298.6	295.7	291.7	286.4	280.9
162.5°	291.2	294.1	294.6	294.2	294.6	294.1	291.2	289.0	285.4	281.2	276.6
165°	281.5	283.4	282.9	282.4	282.9	283.4	281.5	279.5	277.0	273.5	270.6
167.5°	272.3	273.5	273.5	273.1	273.5	273.5	272.3	271.3	269.8	267.1	264.8
170°	267.2	267.7	267.2	267.2	267.2	267.7	267.2	266.2	264.8	262.8	261.3
172.5°	262.1	262.6	262.1	261.3	262.1	262.6	262.1	261.5	260.5	259.2	258.1
175°	255.4	256.4	255.4	254.4	255.4	256.4	255.4	255.4	255.4	254.4	253.9
177.5°	251.6	251.9	251.2	250.4	251.2	251.9	251.6	251.9	251.6	251.6	251.2
180°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1087.1	1089.7	1095.5	1102.1	1107.6	1112.3	1116.0	1121.1	1125.9	1132.5	1138.8
5°	1021.1	1027.5	1036.7	1047.7	1061.4	1070.6	1082.0	1092.1	1106.7	1121.5	1135.7
7.5°	963.3	970.3	983.8	999.0	1015.3	1030.3	1043.9	1061.6	1081.1	1102.3	1126.2
10°	925.9	933.7	949.7	967.1	986.4	1001.0	1019.3	1040.3	1062.4	1088.5	1117.8
12.5°	892.2	899.6	918.9	936.7	956.7	972.8	994.0	1015.5	1044.7	1073.1	1106.4
15°	826.6	846.2	868.2	889.2	913.1	932.8	958.4	980.4	1008.3	1048.2	1086.2
17.5°	753.6	774.6	801.9	834.4	866.3	890.7	916.7	944.0	977.2	1018.0	1061.8
20°	711.1	728.1	758.3	794.4	831.6	865.5	889.2	919.5	953.8	997.8	1043.1
22.5°	679.2	693.6	717.3	753.5	793.5	832.8	863.2	893.1	931.1	975.1	1024.4
25°	631.5	647.0	667.6	692.3	738.1	779.8	819.7	854.0	894.3	938.2	993.2
27.5°	591.7	605.3	624.1	649.9	680.6	726.6	774.9	814.1	855.4	902.6	957.6
30°	568.3	579.3	594.9	621.0	650.2	691.5	740.5	786.3	827.9	876.9	934.1
32.5°	543.7	555.4	570.7	591.2	622.8	657.4	706.4	756.6	800.8	850.9	907.1
35°	511.0	520.2	533.9	555.0	583.4	613.6	657.1	708.9	755.5	809.2	862.7
37.5°	477.9	488.8	499.6	518.3	541.7	574.1	609.8	662.6	714.4	763.3	815.5
40°	459.3	465.7	477.6	492.8	517.5	546.3	579.7	631.5	683.2	731.8	784.4
42.5°	438.4	445.6	455.6	470.7	492.9	521.0	553.7	598.5	652.5	699.5	747.4
45°	409.4	413.5	423.5	436.4	454.7	483.1	513.3	553.2	604.0	648.8	691.0
47.5°	380.0	383.7	389.9	401.7	422.2	445.0	473.3	509.0	553.6	598.5	634.1
50°	359.9	363.1	369.1	380.0	398.4	420.9	448.8	480.8	520.6	563.7	593.5
52.5°	339.8	341.5	347.1	359.6	375.0	397.0	422.0	451.5	488.8	524.5	554.7
55°	307.7	311.9	315.5	324.7	339.3	360.4	382.8	410.8	439.6	469.8	495.4
57.5°	274.3	278.8	284.1	292.1	303.8	323.4	343.5	366.2	390.8	415.9	437.4
60°	252.3	256.4	261.0	270.2	280.7	296.3	318.2	337.9	356.7	379.6	401.1
62.5°	230.7	234.8	240.1	247.5	257.6	272.4	290.8	307.9	327.4	347.4	363.4
65°	198.7	201.9	206.0	212.9	222.6	235.8	250.9	264.2	281.6	296.3	310.9
67.5°	163.7	169.8	175.2	180.8	188.9	201.3	212.2	224.9	236.8	247.6	261.0
70°	140.6	147.5	152.5	158.4	166.3	176.8	187.3	196.0	205.6	216.1	228.1
72.5°	121.1	126.6	130.5	136.8	143.9	153.7	163.5	170.7	178.5	185.7	197.3
75°	95.7	98.0	100.7	105.8	112.2	119.5	127.3	133.7	138.3	144.7	152.9
77.5°	68.8	73.2	75.0	78.6	83.2	87.7	92.9	98.2	102.6	105.0	111.2
80°	52.7	54.5	56.3	61.4	64.1	68.7	72.3	77.4	79.2	81.5	87.5
82.5°	40.9	42.0	43.1	44.5	46.1	50.7	54.4	57.6	59.4	60.3	64.7
85°	23.8	24.3	24.7	25.2	25.7	25.7	27.5	29.8	33.0	33.0	34.4
87.5°	9.7	10.2	10.0	9.5	10.2	9.6	9.9	9.8	10.8	11.6	12.6
90°	8.4	8.9	7.8	6.9	6.9	4.0	4.0	3.4	2.9	1.5	0.5
92.5°	129.8	155.8	136.4	99.2	61.1	36.2	25.9	18.8	12.7	8.2	5.6
95°	411.6	400.3	302.0	184.7	104.1	61.4	40.7	29.0	22.6	17.7	16.2
97.5°	517.1	421.6	282.8	166.0	99.5	66.6	49.3	39.2	33.3	29.1	29.1
100°	520.6	394.9	256.4	156.2	100.7	71.7	56.0	46.7	40.7	37.4	37.4
102.5°	491.1	361.5	238.7	153.4	104.6	78.4	63.5	54.5	49.0	46.0	45.2
105°	437.6	322.2	223.5	154.7	113.9	90.4	76.1	67.3	61.4	59.0	57.4
107.5°	394.4	300.2	220.8	162.0	124.8	103.2	89.2	80.8	74.5	72.0	71.0
110°	372.8	292.7	221.5	167.5	133.1	111.5	98.2	89.4	83.5	81.0	80.1



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	360.6	289.2	223.9	173.4	140.9	120.1	106.9	98.1	92.6	89.7	88.7
115°	349.2	287.3	228.4	182.7	153.3	133.6	120.4	111.0	106.1	102.6	101.2
117.5°	344.1	286.8	233.2	192.3	165.1	146.5	132.7	124.0	118.6	115.5	114.2
120°	341.4	286.8	236.8	198.9	173.4	154.7	140.9	132.6	127.2	123.8	122.8
122.5°	338.2	286.5	240.3	205.2	181.2	162.6	149.2	140.1	135.1	131.6	130.6
125°	333.0	285.9	245.6	214.6	192.0	174.4	160.6	151.3	145.9	142.9	140.9
127.5°	326.1	284.7	249.8	222.8	202.1	184.9	171.1	161.4	155.2	151.7	150.1
130°	321.7	284.4	253.0	227.9	208.7	192.0	177.8	168.5	161.1	157.1	155.2
132.5°	317.8	284.0	255.7	233.0	214.2	197.5	184.1	174.0	167.0	161.9	160.3
135°	311.9	283.4	259.8	239.7	222.0	205.8	193.0	182.7	174.4	169.4	167.5
137.5°	306.8	283.3	262.3	244.4	227.9	212.8	200.6	189.9	181.9	176.5	174.7
140°	304.0	282.9	264.2	247.5	231.9	217.1	205.3	195.0	186.7	181.2	179.8
142.5°	301.7	282.9	265.8	249.9	235.4	221.0	209.7	199.7	191.7	186.8	185.3
145°	297.6	281.9	266.7	252.4	239.2	226.4	215.6	206.3	199.4	194.5	193.0
147.5°	294.0	280.2	267.2	254.7	243.1	231.2	221.4	213.6	206.6	202.2	201.7
150°	291.3	279.0	267.2	255.9	245.1	234.3	225.0	217.6	211.7	207.8	207.2
152.5°	288.1	277.0	266.4	256.7	246.7	237.0	228.5	221.9	216.4	212.5	212.4
155°	283.4	274.1	265.2	257.4	249.0	240.6	233.3	227.9	223.0	220.1	219.6
157.5°	278.6	271.0	264.0	257.4	250.7	243.6	237.8	233.1	229.3	226.5	226.5
160°	275.1	268.6	262.8	257.4	251.5	245.6	240.1	236.3	232.8	230.8	230.8
162.5°	271.9	266.3	261.6	257.4	252.3	246.8	242.5	239.0	235.9	234.4	234.8
165°	266.7	262.8	259.3	256.4	252.4	248.1	245.1	242.6	240.1	239.2	239.2
167.5°	262.0	259.2	257.0	255.2	252.4	249.1	246.8	245.5	243.6	243.1	243.6
170°	258.8	256.8	255.4	254.4	251.9	249.5	248.1	247.0	245.6	245.1	245.6
172.5°	256.1	254.5	253.8	253.7	251.6	249.9	248.8	248.2	247.1	247.0	247.5
175°	253.0	251.9	251.9	252.4	251.0	250.0	250.0	249.5	249.0	249.0	249.5
177.5°	250.8	250.4	250.4	251.2	250.4	250.0	250.0	250.0	249.6	250.0	250.4
180°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0



TEST NUMBER: P332933-935

CATALOG NUMBER: SA4XXRDIP-C795D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1143.5	1146.8	1150.5	1157.4	1163.3	1165.9	1171.0	1174.7	1173.5	1178.6	1187.5
5°	1148.0	1160.4	1174.6	1189.2	1205.7	1219.4	1230.4	1241.4	1250.1	1260.6	1276.2
7.5°	1147.3	1169.2	1193.2	1219.4	1246.5	1269.8	1291.4	1313.4	1332.9	1354.3	1382.2
10°	1144.4	1173.6	1203.4	1237.8	1272.0	1304.6	1333.9	1361.4	1387.5	1415.4	1450.7
12.5°	1141.0	1174.7	1210.7	1252.0	1294.8	1333.9	1368.3	1407.9	1440.6	1476.6	1517.3
15°	1126.4	1171.8	1220.8	1274.4	1325.7	1378.3	1425.5	1474.0	1519.3	1562.4	1613.7
17.5°	1109.8	1162.1	1219.9	1283.1	1344.8	1408.8	1464.7	1526.0	1572.3	1630.0	1677.7
20°	1096.2	1152.5	1214.4	1285.4	1355.4	1426.4	1488.2	1550.5	1602.7	1660.9	1721.3
22.5°	1079.8	1141.6	1208.5	1282.0	1355.4	1433.0	1501.4	1563.3	1628.0	1693.4	1755.8
25°	1053.2	1117.3	1188.3	1268.9	1353.1	1432.4	1505.6	1582.5	1652.2	1723.1	1779.0
27.5°	1020.6	1087.9	1162.7	1245.9	1332.3	1413.5	1499.8	1581.7	1651.7	1720.1	1768.8
30°	994.5	1065.6	1137.5	1221.7	1311.5	1398.4	1491.0	1573.0	1646.7	1708.1	1735.5
32.5°	967.9	1035.2	1109.2	1194.6	1286.5	1380.2	1471.9	1555.7	1623.9	1660.8	1661.5
35°	921.4	984.5	1061.4	1145.2	1239.6	1341.3	1434.2	1516.6	1558.2	1561.5	1516.6
37.5°	870.6	928.6	1001.2	1085.0	1188.4	1289.5	1384.5	1439.4	1453.3	1406.7	1323.7
40°	834.3	887.9	957.9	1044.0	1146.6	1251.0	1337.6	1377.9	1363.2	1287.6	1195.2
42.5°	796.3	846.1	913.6	998.6	1101.6	1207.0	1280.7	1302.4	1263.6	1176.3	1068.1
45°	734.0	779.8	846.7	932.3	1031.2	1130.1	1186.0	1175.0	1110.4	1006.9	885.6
47.5°	669.3	713.5	773.7	852.9	954.2	1039.6	1077.4	1044.2	952.4	838.5	739.8
50°	626.5	671.8	727.2	802.7	895.2	977.7	1001.9	951.6	849.5	739.9	649.3
52.5°	584.3	623.0	677.3	750.4	838.8	908.4	921.4	863.2	757.9	659.8	579.4
55°	520.2	555.4	601.2	669.9	746.4	805.5	798.6	723.9	628.3	544.5	481.3
57.5°	458.2	484.7	527.0	591.4	658.6	698.2	673.1	609.5	520.3	451.7	398.4
60°	417.2	441.9	481.3	537.6	596.7	619.1	598.1	528.9	458.4	395.6	350.8
62.5°	378.3	400.1	434.0	486.3	534.0	547.3	524.8	464.4	400.9	347.2	310.1
65°	321.9	342.1	370.9	408.0	441.0	447.4	432.7	370.9	322.8	277.9	252.3
67.5°	270.7	283.9	306.4	338.5	356.0	359.7	331.4	292.6	250.2	222.7	203.3
70°	236.3	245.5	266.5	283.9	298.1	298.6	272.4	241.3	208.8	186.4	172.2
72.5°	202.9	211.7	227.6	239.6	250.5	246.9	223.0	198.5	172.2	155.2	144.7
75°	156.6	164.4	172.6	178.1	178.1	173.6	156.2	137.8	122.7	112.6	109.4
77.5°	113.8	120.3	123.0	122.2	120.5	113.4	102.4	90.4	85.0	80.2	77.8
80°	89.3	92.0	93.0	90.7	87.9	79.6	72.3	67.3	62.3	60.4	59.5
82.5°	66.2	68.6	66.2	66.8	60.8	54.1	50.0	48.3	46.1	45.5	44.5
85°	35.3	34.8	33.9	31.6	27.5	26.5	26.1	25.7	24.7	25.2	24.3
87.5°	12.4	11.5	10.2	9.9	9.9	9.8	10.2	10.3	10.6	10.1	10.9
90°	1.5	2.9	3.4	4.0	4.0	6.9	6.9	7.8	8.9	8.4	8.9
92.5°	8.2	12.7	18.8	25.9	36.2	61.1	99.2	136.4	155.8	129.8	96.4
95°	17.7	22.6	29.0	40.7	61.4	104.1	184.7	302.0	400.3	411.6	363.9
97.5°	29.1	33.3	39.2	49.3	66.6	99.5	166.0	282.8	421.6	517.1	537.7
100°	37.4	40.7	46.7	56.0	71.7	100.7	156.2	256.4	394.9	520.6	592.4
102.5°	46.0	49.0	54.5	63.5	78.4	104.6	153.4	238.7	361.5	491.1	589.6
105°	59.0	61.4	67.3	76.1	90.4	113.9	154.7	223.5	322.2	437.6	550.1
107.5°	72.0	74.5	80.8	89.2	103.2	124.8	162.0	220.8	300.2	394.4	494.0
110°	81.0	83.5	89.4	98.2	111.5	133.1	167.5	221.5	292.7	372.8	460.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	89.7	92.6	98.1	106.9	120.1	140.9	173.4	223.9	289.2	360.6	435.5
115°	102.6	106.1	111.0	120.4	133.6	153.3	182.7	228.4	287.3	349.2	410.6
117.5°	115.5	118.6	124.0	132.7	146.5	165.1	192.3	233.2	286.8	344.1	398.4
120°	123.8	127.2	132.6	140.9	154.7	173.4	198.9	236.8	286.8	341.4	393.0
122.5°	131.6	135.1	140.1	149.2	162.6	181.2	205.2	240.3	286.5	338.2	388.2
125°	142.9	145.9	151.3	160.6	174.4	192.0	214.6	245.6	285.9	333.0	380.1
127.5°	151.7	155.2	161.4	171.1	184.9	202.1	222.8	249.8	284.7	326.1	370.3
130°	157.1	161.1	168.5	177.8	192.0	208.7	227.9	253.0	284.4	321.7	362.5
132.5°	161.9	167.0	174.0	184.1	197.5	214.2	233.0	255.7	284.0	317.8	354.2
135°	169.4	174.4	182.7	193.0	205.8	222.0	239.7	259.8	283.4	311.9	342.9
137.5°	176.5	181.9	189.9	200.6	212.8	227.9	244.4	262.3	283.3	306.8	332.5
140°	181.2	186.7	195.0	205.3	217.1	231.9	247.5	264.2	282.9	304.0	326.6
142.5°	186.8	191.7	199.7	209.7	221.0	235.4	249.9	265.8	282.9	301.7	321.2
145°	194.5	199.4	206.3	215.6	226.4	239.2	252.4	266.7	281.9	297.6	313.3
147.5°	202.2	206.6	213.6	221.4	231.2	243.1	254.7	267.2	280.2	294.0	306.9
150°	207.8	211.7	217.6	225.0	234.3	245.1	255.9	267.2	279.0	291.3	303.1
152.5°	212.5	216.4	221.9	228.5	237.0	246.7	256.7	266.4	277.0	288.1	298.7
155°	220.1	223.0	227.9	233.3	240.6	249.0	257.4	265.2	274.1	283.4	292.2
157.5°	226.5	229.3	233.1	237.8	243.6	250.7	257.4	264.0	271.0	278.6	285.2
160°	230.8	232.8	236.3	240.1	245.6	251.5	257.4	262.8	268.6	275.1	280.9
162.5°	234.4	235.9	239.0	242.5	246.8	252.3	257.4	261.6	266.3	271.9	276.6
165°	239.2	240.1	242.6	245.1	248.1	252.4	256.4	259.3	262.8	266.7	270.6
167.5°	243.1	243.6	245.5	246.8	249.1	252.4	255.2	257.0	259.2	262.0	264.8
170°	245.1	245.6	247.0	248.1	249.5	251.9	254.4	255.4	256.8	258.8	261.3
172.5°	247.0	247.1	248.2	248.8	249.9	251.6	253.7	253.8	254.5	256.1	258.1
175°	249.0	249.0	249.5	250.0	250.0	251.0	252.4	251.9	251.9	253.0	253.9
177.5°	250.0	249.6	250.0	250.0	250.0	250.4	251.2	250.4	250.4	250.8	251.2
180°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1192.2	1193.7	1194.8	1198.4	1198.8	1202.1	1198.8
5°	1290.8	1297.3	1307.3	1317.4	1318.4	1324.7	1313.3
7.5°	1401.4	1416.3	1425.6	1441.8	1448.3	1452.3	1445.7
10°	1477.6	1491.4	1515.7	1527.6	1539.5	1541.4	1535.9
12.5°	1551.3	1573.1	1592.2	1614.8	1614.2	1630.4	1624.4
15°	1649.4	1671.8	1698.4	1723.5	1732.8	1732.8	1740.1
17.5°	1719.3	1760.5	1788.0	1807.8	1829.4	1833.1	1830.6
20°	1766.6	1811.0	1840.4	1866.0	1880.7	1884.7	1884.7
22.5°	1801.8	1839.6	1868.2	1891.3	1903.3	1908.2	1906.8
25°	1826.2	1858.6	1876.0	1882.9	1886.1	1885.2	1876.5
27.5°	1792.8	1791.3	1780.4	1759.3	1743.4	1733.8	1722.9
30°	1729.1	1705.3	1677.8	1647.5	1608.6	1578.9	1569.7
32.5°	1634.2	1580.7	1534.2	1483.8	1442.0	1412.2	1399.7
35°	1450.7	1366.0	1296.8	1236.4	1192.4	1164.9	1155.8
37.5°	1232.9	1150.9	1065.3	1006.7	970.3	942.5	932.1
40°	1094.4	1005.1	930.5	875.6	838.0	811.0	810.5
42.5°	968.0	882.8	812.5	772.9	732.5	714.6	714.5
45°	792.6	724.4	664.9	633.8	609.5	594.9	590.7
47.5°	656.3	599.9	560.2	535.4	515.6	506.3	500.2
50°	579.7	530.3	498.7	477.2	466.1	454.3	453.3
52.5°	516.0	476.0	451.4	433.9	420.0	412.8	413.0
55°	433.6	402.1	384.6	371.3	360.4	354.9	352.6
57.5°	365.3	341.6	329.0	316.8	312.1	307.8	306.6
60°	322.8	306.8	294.9	285.2	278.4	277.1	276.6
62.5°	287.7	270.9	262.7	255.2	250.2	248.1	247.3
65°	237.2	224.8	217.5	211.5	209.7	206.6	206.0
67.5°	191.2	183.8	178.9	174.9	172.4	172.2	172.2
70°	163.0	158.9	154.8	152.5	151.1	150.2	150.2
72.5°	138.9	135.8	132.4	131.2	131.0	130.0	129.7
75°	105.8	102.5	103.1	100.7	98.9	96.6	95.2
77.5°	75.0	72.8	72.2	72.0	70.4	70.2	70.9
80°	58.1	55.9	55.4	55.9	55.4	54.1	54.1
82.5°	44.3	42.3	41.8	41.6	41.2	41.6	40.8
85°	23.8	22.9	22.9	22.9	23.8	23.3	22.9
87.5°	10.3	10.0	10.4	10.2	10.2	9.7	10.2
90°	9.3	9.8	9.8	10.3	10.8	10.3	10.3
92.5°	72.6	57.8	48.0	42.1	39.5	37.8	37.8
95°	287.8	222.0	174.4	150.3	135.1	126.2	119.9
97.5°	509.5	461.4	410.1	374.9	345.3	330.5	320.3
100°	602.2	578.1	541.7	499.0	469.1	454.3	450.4
102.5°	638.3	645.3	630.2	603.9	582.2	566.7	563.5
105°	635.1	683.7	703.9	704.8	700.9	694.0	691.0
107.5°	584.4	653.0	696.7	721.0	732.2	737.1	738.4
110°	545.2	616.4	670.5	705.3	725.9	734.8	739.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	510.6	577.9	631.9	671.5	696.5	708.9	716.0
115°	471.1	528.5	575.7	614.4	643.9	659.6	663.6
117.5°	448.4	493.6	533.6	566.7	591.4	607.3	610.4
120°	438.6	477.9	512.7	540.8	562.4	575.1	580.6
122.5°	432.3	468.0	498.6	522.3	540.8	551.6	557.0
125°	422.4	456.2	483.3	502.9	517.2	526.5	529.4
127.5°	410.7	444.5	470.1	489.9	502.6	510.4	513.3
130°	401.3	434.6	460.7	480.9	493.1	501.0	503.9
132.5°	390.6	423.3	449.3	469.1	482.9	490.3	493.4
135°	374.8	404.7	429.3	448.9	462.7	470.5	473.5
137.5°	359.6	384.8	407.0	425.3	438.9	445.4	448.9
140°	349.7	371.8	392.4	409.7	420.4	427.3	431.3
142.5°	341.5	360.4	378.3	393.5	403.6	409.7	412.3
145°	330.0	344.8	358.5	370.8	379.2	384.1	386.5
147.5°	320.2	332.0	342.9	351.9	359.0	362.7	363.7
150°	314.4	324.2	333.0	340.9	347.2	350.2	350.7
152.5°	308.4	317.5	324.8	331.4	336.7	338.4	338.9
155°	300.1	307.5	313.3	318.3	322.2	323.6	323.6
157.5°	291.9	298.0	302.7	306.5	309.4	310.3	310.3
160°	286.4	291.7	295.7	298.6	301.6	302.0	302.0
162.5°	281.2	285.4	289.0	291.2	294.1	294.6	294.2
165°	273.5	277.0	279.5	281.5	283.4	282.9	282.4
167.5°	267.1	269.8	271.3	272.3	273.5	273.5	273.1
170°	262.8	264.8	266.2	267.2	267.7	267.2	267.2
172.5°	259.2	260.5	261.5	262.1	262.6	262.1	261.3
175°	254.4	255.4	255.4	255.4	256.4	255.4	254.4
177.5°	251.6	251.6	251.9	251.6	251.9	251.2	250.4
180°	250.0	250.0	250.0	250.0	250.0	250.0	250.0

(END OF REPORT)