

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: P332591-930

Luminaire Tested: **SA4XXDIP-C795D590U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332591-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

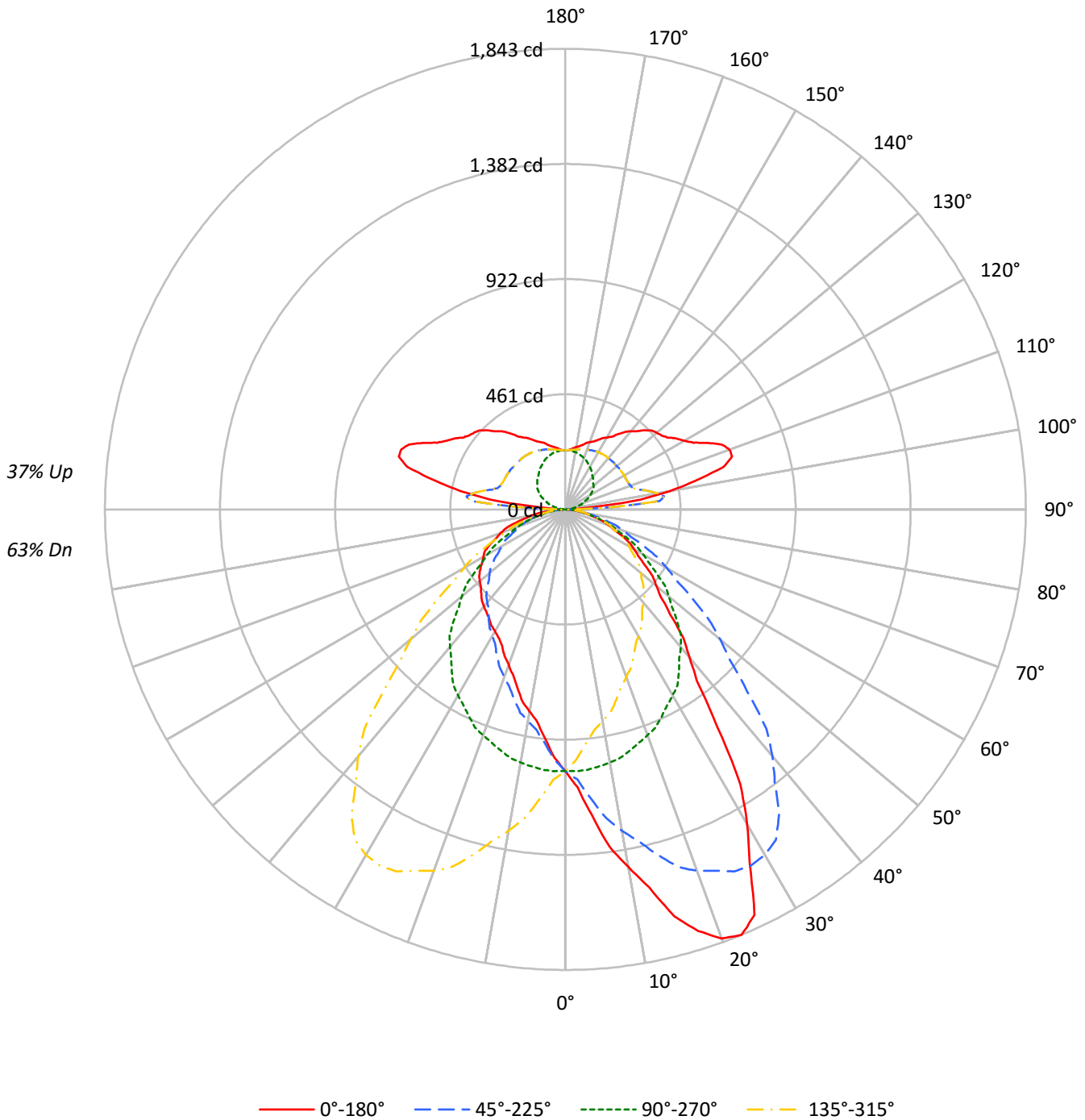
Lumens per Lamp: N/A
Luminaire Lumens: 4611.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	93	89	94	91	87	84	80	77	75	70	68	66	60	59	58	53
2	92	85	79	73	86	80	74	70	70	66	62	61	58	56	53	51	49	45
3	84	75	67	62	79	70	64	59	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	37	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	66	53	45	39	61	51	43	38	45	39	35	40	35	31	35	31	28	26
7	61	48	40	35	57	46	39	33	41	35	31	36	32	28	32	28	25	23
8	56	44	36	31	53	42	35	30	37	32	27	33	29	25	30	26	23	20
9	53	40	33	28	49	38	31	27	34	29	25	31	26	23	27	23	21	19
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	22	19	17

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	2.2
10°-20°	314.3	6.8
20°-30°	498.4	10.8
30°-40°	554.7	12.0
40°-50°	504.9	11.0
50°-60°	412.6	8.9
60°-70°	294.6	6.4
70°-80°	162.2	3.5
80°-90°	45.6	1.0
90°-100°	171.0	3.7
100°-110°	355.9	7.7
110°-120°	318.7	6.9
120°-130°	268.1	5.8
130°-140°	223.6	4.8
140°-150°	170.8	3.7
150°-160°	120.0	2.6
160°-170°	70.6	1.5
170°-180°	23.0	0.5
0°-30°	914.7	19.8
0°-40°	1469.4	31.9
0°-60°	2386.9	51.8
0°-90°	2889.2	62.7
90°-120°	845.6	18.3
90°-150°	1508.1	32.7
90°-180°	1722.0	37.3
0°-180°	4611.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1047	1047	1047	1047	1047	
5°	1228	1046	923	1046	1228	125
15°	1687	999	740	999	1687	477
25°	1791	913	601	913	1791	789
35°	1059	793	532	793	1059	672
45°	594	633	476	633	594	468
55°	388	446	415	446	388	351
65°	250	277	332	277	250	247
75°	125	135	206	135	125	133
85°	26	27	64	27	26	32
90°	10	0	10	0	10	9
95°	114	15	114	15	114	176
105°	654	54	654	54	654	647
115°	628	96	628	96	628	624
125°	501	134	501	134	501	456
135°	448	159	448	159	448	346
145°	366	183	366	183	366	232
155°	306	208	306	208	306	143
165°	267	226	267	226	267	77
175°	241	236	241	236	241	23
180°	237	237	237	237	237	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1114.0	1113.7	1110.2	1109.5	1107.1	1104.0	1103.3	1097.7	1086.6	1081.4	1080.0
5°	1228.0	1236.6	1225.4	1223.2	1221.9	1207.6	1200.2	1191.6	1171.6	1159.9	1150.8
7.5°	1364.0	1365.0	1360.1	1356.1	1345.1	1332.5	1313.9	1293.9	1270.2	1245.4	1226.8
10°	1453.4	1456.9	1451.3	1450.4	1428.3	1414.5	1386.7	1363.3	1336.4	1306.4	1279.1
12.5°	1547.8	1543.0	1540.1	1521.5	1517.4	1492.2	1459.9	1435.7	1394.3	1359.9	1323.6
15°	1686.8	1677.2	1671.1	1645.5	1633.0	1597.8	1563.6	1537.2	1482.9	1431.3	1392.3
17.5°	1768.2	1777.8	1763.7	1753.2	1720.7	1696.1	1661.1	1605.6	1563.2	1499.1	1449.8
20°	1827.2	1828.1	1820.3	1809.5	1783.9	1752.6	1714.5	1653.8	1603.0	1539.3	1471.7
22.5°	1843.1	1843.4	1840.0	1829.9	1810.5	1785.3	1746.8	1696.1	1634.6	1565.3	1497.7
25°	1790.8	1789.1	1793.0	1804.3	1796.8	1789.1	1766.9	1729.2	1672.0	1598.7	1525.8
27.5°	1596.2	1608.2	1630.2	1657.9	1684.7	1705.0	1710.7	1703.0	1667.5	1607.3	1531.0
30°	1456.0	1470.8	1487.3	1515.0	1568.8	1599.6	1633.4	1659.0	1644.7	1596.5	1525.4
32.5°	1302.0	1305.7	1330.2	1361.7	1411.0	1470.2	1523.8	1575.7	1593.0	1567.7	1508.5
35°	1058.8	1064.9	1091.4	1122.6	1182.9	1255.3	1335.9	1407.9	1467.3	1491.2	1460.9
37.5°	864.1	881.5	900.2	933.8	986.8	1052.0	1135.8	1228.9	1317.4	1376.8	1386.8
40°	771.8	782.7	796.1	821.7	866.7	931.0	1002.9	1109.6	1203.7	1288.7	1316.5
42.5°	699.0	705.3	713.5	736.7	771.0	834.9	900.6	994.4	1088.9	1190.5	1237.0
45°	594.0	600.5	614.4	627.9	653.9	698.1	759.2	836.4	931.4	1029.4	1115.2
47.5°	518.3	522.4	530.7	545.0	567.1	596.3	646.0	710.5	798.5	893.6	985.1
50°	475.2	478.7	485.2	498.2	515.1	541.1	581.9	642.2	711.1	807.0	896.7
52.5°	441.2	442.6	447.4	456.2	469.7	491.5	525.0	574.9	639.0	724.4	813.8
55°	388.5	390.3	394.6	401.1	412.8	426.6	452.2	489.5	545.5	619.6	697.2
57.5°	345.1	346.3	350.0	352.5	362.2	373.4	393.1	419.7	462.1	525.0	594.3
60°	317.4	316.5	320.9	323.0	329.5	339.1	354.2	379.8	416.7	467.4	531.2
62.5°	290.3	289.1	292.8	295.6	299.4	307.5	319.9	340.0	369.9	415.7	470.8
65°	249.7	248.0	250.2	253.6	257.1	261.5	270.6	288.4	312.2	345.1	387.2
67.5°	209.0	210.8	211.2	212.9	214.9	220.8	227.1	239.6	256.4	282.8	318.5
70°	184.7	185.2	186.9	186.9	188.2	193.4	198.6	205.9	222.4	246.7	275.7
72.5°	160.5	162.2	161.6	163.0	163.9	167.4	171.2	178.2	192.2	210.3	234.8
75°	124.9	126.2	126.2	126.6	127.9	129.2	132.2	137.5	147.4	160.9	177.8
77.5°	91.1	91.2	91.8	93.4	93.4	95.5	97.8	101.9	106.8	116.0	126.4
80°	70.3	71.1	70.7	71.6	71.6	73.3	74.1	79.3	81.5	87.6	95.8
82.5°	51.5	52.3	52.3	53.5	54.2	54.5	55.8	57.8	60.0	65.4	68.7
85°	26.0	26.9	26.0	26.9	28.2	28.6	29.9	30.3	32.1	33.4	36.4
87.5°	9.6	10.6	10.7	11.0	11.6	11.9	12.1	11.7	13.0	13.5	14.7
90°	9.8	9.8	10.2	9.8	9.3	9.3	8.8	8.4	7.9	8.4	7.4
92.5°	35.8	35.8	37.4	39.9	45.4	54.7	68.7	91.3	122.9	147.5	129.1
95°	113.5	119.5	127.9	142.4	165.1	210.2	272.6	344.6	389.7	379.0	286.0
97.5°	303.3	313.0	326.9	355.0	388.3	436.9	482.4	509.2	489.7	399.3	267.7
100°	426.5	430.2	444.2	472.5	513.0	547.4	570.2	560.9	493.0	373.9	242.8
102.5°	533.6	536.6	551.3	571.9	596.7	611.1	604.5	558.3	465.0	342.3	226.0
105°	654.4	657.1	663.7	667.4	666.5	647.4	601.4	520.9	414.4	305.1	211.7
107.5°	699.2	698.0	693.3	682.7	659.7	618.3	553.4	467.8	373.5	284.3	209.0
110°	699.9	695.8	687.4	667.9	634.9	583.7	516.2	435.8	353.0	277.2	209.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	678.0	671.2	659.5	635.9	598.3	547.2	483.5	412.4	341.4	273.9	212.0
115°	628.4	624.6	609.8	581.8	545.1	500.4	446.1	388.8	330.7	272.1	216.3
117.5°	578.0	575.1	560.0	536.6	505.2	467.4	424.6	377.2	325.9	271.6	220.8
120°	549.8	544.6	532.6	512.1	485.5	452.5	415.3	372.1	323.3	271.6	224.2
122.5°	527.4	522.3	512.1	494.6	472.1	443.2	409.4	367.6	320.2	271.3	227.6
125°	501.3	498.6	489.8	476.2	457.6	432.0	400.0	360.0	315.4	270.7	232.5
127.5°	486.1	483.3	475.9	463.9	445.2	420.9	388.9	350.7	308.8	269.6	236.5
130°	477.2	474.4	466.9	455.3	436.3	411.6	380.0	343.2	304.6	269.3	239.5
132.5°	467.2	464.3	457.3	444.2	425.4	400.8	369.9	335.4	300.9	268.9	242.1
135°	448.3	445.6	438.1	425.1	406.5	383.2	354.9	324.7	295.3	268.3	246.1
137.5°	425.1	421.8	415.6	402.8	385.4	364.4	340.5	314.9	290.5	268.2	248.3
140°	408.4	404.6	398.1	387.9	371.6	352.0	331.2	309.2	287.9	267.9	250.2
142.5°	390.4	387.9	382.1	372.6	358.2	341.3	323.3	304.1	285.7	267.9	251.7
145°	366.0	363.7	359.1	351.1	339.5	326.5	312.5	296.7	281.8	266.9	252.6
147.5°	344.4	343.5	340.0	333.2	324.7	314.4	303.2	290.7	278.4	265.3	253.0
150°	332.1	331.6	328.8	322.8	315.4	307.0	297.7	287.0	275.8	264.2	253.0
152.5°	320.9	320.4	318.8	313.8	307.5	300.6	292.0	282.8	272.8	262.3	252.3
155°	306.5	306.5	305.1	301.4	296.7	291.1	284.1	276.7	268.3	259.5	251.1
157.5°	293.8	293.8	293.0	290.2	286.7	282.2	276.4	270.1	263.8	256.7	250.0
160°	286.0	286.0	285.6	282.7	280.0	276.2	271.2	266.0	260.5	254.4	248.8
162.5°	278.6	279.0	278.5	275.7	273.7	270.3	266.3	262.0	257.5	252.2	247.7
165°	267.4	267.9	268.3	266.5	264.6	262.3	259.0	256.2	252.6	248.8	245.6
167.5°	258.6	258.9	259.0	257.9	256.9	255.5	252.9	250.8	248.1	245.5	243.4
170°	253.0	253.0	253.5	253.0	252.1	250.7	248.8	247.4	245.1	243.2	241.8
172.5°	247.4	248.2	248.7	248.2	247.6	246.6	245.5	244.4	242.5	241.0	240.4
175°	240.9	241.8	242.8	241.8	241.8	241.8	240.9	240.4	239.5	238.6	238.6
177.5°	237.1	237.8	238.6	238.2	238.6	238.2	238.2	237.8	237.5	237.1	237.1
180°	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1080.4	1075.5	1072.0	1069.3	1061.7	1057.1	1053.7	1048.8	1043.3	1037.4	1030.0
5°	1141.7	1126.9	1116.1	1099.6	1084.0	1071.0	1057.6	1045.5	1030.7	1014.6	1002.9
7.5°	1206.2	1184.2	1156.1	1131.7	1104.3	1080.4	1059.2	1037.3	1014.6	992.5	972.3
10°	1247.1	1218.9	1187.6	1150.8	1116.1	1085.3	1056.7	1029.0	1002.1	975.2	952.2
12.5°	1291.1	1256.0	1209.8	1166.8	1127.9	1086.7	1052.2	1018.2	985.8	957.5	930.7
15°	1350.2	1299.5	1246.2	1188.5	1137.3	1089.2	1042.0	999.1	962.6	925.3	899.3
17.5°	1386.6	1323.8	1262.8	1202.6	1140.7	1079.9	1029.0	979.4	933.8	896.7	864.0
20°	1410.5	1348.1	1272.2	1211.9	1138.2	1075.8	1016.8	961.7	914.0	874.6	840.7
22.5°	1431.3	1359.2	1283.3	1204.0	1130.6	1064.4	999.8	944.4	895.7	854.1	821.7
25°	1442.6	1359.8	1277.4	1198.5	1115.2	1036.7	978.2	913.2	861.1	817.3	782.7
27.5°	1443.8	1355.3	1262.1	1174.4	1088.4	1015.4	941.4	883.4	829.3	783.0	749.7
30°	1440.0	1347.7	1247.5	1152.5	1066.2	986.9	922.8	859.4	804.4	758.4	723.7
32.5°	1427.8	1331.7	1228.7	1128.2	1038.9	961.2	895.0	834.8	781.1	735.8	699.4
35°	1392.8	1297.8	1188.1	1083.6	992.1	913.6	853.8	792.6	738.9	695.9	660.8
37.5°	1337.8	1252.0	1140.4	1032.3	942.5	863.6	804.4	749.1	700.6	657.0	621.0
40°	1290.0	1214.6	1102.7	997.3	900.2	825.2	769.6	718.9	670.8	629.6	595.3
42.5°	1234.9	1169.1	1065.9	954.3	860.6	785.3	731.2	685.6	640.3	602.2	567.9
45°	1136.4	1093.2	996.0	892.8	795.2	724.1	672.5	632.7	594.5	557.2	528.6
47.5°	1023.4	1001.9	920.1	822.1	729.5	659.4	614.7	577.8	544.4	512.8	487.5
50°	947.5	937.0	866.3	771.8	683.4	617.4	572.3	540.7	512.1	484.4	460.5
52.5°	872.5	872.1	808.5	721.9	640.0	576.5	531.7	502.2	477.4	454.9	433.4
55°	758.0	770.1	720.2	643.0	569.7	512.5	472.2	445.7	428.4	409.8	393.7
57.5°	652.7	672.9	631.8	563.8	502.6	449.9	414.8	394.9	376.4	365.2	353.5
60°	584.1	603.2	571.0	513.8	456.2	411.1	377.6	359.9	343.8	336.1	327.8
62.5°	523.0	540.1	516.2	463.2	413.1	369.8	341.6	324.5	313.6	305.2	299.7
65°	435.8	450.0	429.7	391.1	348.2	313.5	290.5	277.0	266.7	263.2	257.1
67.5°	352.3	365.3	354.2	321.5	287.1	260.7	242.8	229.9	223.7	220.7	216.4
70°	302.6	315.7	303.9	275.3	248.9	226.8	209.9	202.5	196.0	194.7	188.6
72.5°	260.7	269.5	257.8	235.5	212.8	194.2	181.1	173.3	170.0	167.6	164.4
75°	195.6	203.3	195.6	178.2	162.2	149.2	137.9	134.9	130.9	129.6	127.5
77.5°	138.4	145.2	139.2	128.3	116.3	106.3	100.3	96.4	95.5	93.2	94.2
80°	105.8	110.1	104.5	97.1	87.6	80.6	76.3	74.1	71.6	70.7	72.4
82.5°	76.0	77.9	75.0	70.0	62.9	58.5	55.5	53.0	52.5	52.7	52.7
85°	39.5	39.1	38.6	34.2	32.1	29.0	27.3	26.9	26.4	27.3	28.2
87.5°	14.5	14.8	13.9	12.6	11.4	10.3	9.6	9.1	9.6	10.3	10.7
90°	6.5	6.5	3.8	3.8	3.3	2.8	1.4	0.5	1.4	2.8	3.3
92.5°	93.9	57.9	34.2	24.5	17.8	12.1	7.7	5.3	7.7	12.1	17.8
95°	174.9	98.6	58.1	38.6	27.5	21.4	16.7	15.3	16.7	21.4	27.5
97.5°	157.2	94.2	63.1	46.7	37.1	31.6	27.6	27.6	27.6	31.6	37.1
100°	147.9	95.3	67.9	53.0	44.2	38.6	35.4	35.4	35.4	38.6	44.2
102.5°	145.3	99.1	74.2	60.1	51.6	46.4	43.5	42.8	43.5	46.4	51.6
105°	146.5	107.9	85.6	72.1	63.8	58.1	55.8	54.4	55.8	58.1	63.8
107.5°	153.4	118.2	97.8	84.5	76.5	70.5	68.2	67.3	68.2	70.5	76.5
110°	158.6	126.0	105.6	93.0	84.6	79.1	76.7	75.8	76.7	79.1	84.6



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	164.2	133.5	113.7	101.2	92.9	87.6	85.0	84.0	85.0	87.6	92.9
115°	173.0	145.1	126.5	114.0	105.1	100.4	97.2	95.8	97.2	100.4	105.1
117.5°	182.1	156.4	138.7	125.6	117.4	112.3	109.4	108.1	109.4	112.3	117.4
120°	188.3	164.2	146.5	133.5	125.6	120.4	117.2	116.3	117.2	120.4	125.6
122.5°	194.3	171.6	153.9	141.3	132.6	127.9	124.7	123.7	124.7	127.9	132.6
125°	203.3	181.8	165.1	152.1	143.2	138.1	135.3	133.5	135.3	138.1	143.2
127.5°	211.0	191.4	175.1	162.0	152.8	147.0	143.7	142.1	143.7	147.0	152.8
130°	215.8	197.6	181.8	168.4	159.6	152.5	148.8	147.0	148.8	152.5	159.6
132.5°	220.6	202.8	187.0	174.3	164.8	158.2	153.3	151.8	153.3	158.2	164.8
135°	227.0	210.2	194.9	182.8	173.0	165.1	160.5	158.6	160.5	165.1	173.0
137.5°	231.5	215.8	201.5	190.0	179.8	172.3	167.1	165.4	167.1	172.3	179.8
140°	234.4	219.6	205.5	194.4	184.7	176.8	171.6	170.2	171.6	176.8	184.7
142.5°	236.6	222.9	209.3	198.5	189.1	181.6	176.8	175.5	176.8	181.6	189.1
145°	239.0	226.5	214.4	204.2	195.3	188.8	184.2	182.8	184.2	188.8	195.3
147.5°	241.2	230.2	218.9	209.7	202.3	195.6	191.5	191.0	191.5	195.6	202.3
150°	242.3	232.1	221.8	213.0	206.0	200.5	196.7	196.2	196.7	200.5	206.0
152.5°	243.0	233.6	224.5	216.4	210.1	204.9	201.2	201.1	201.2	204.9	210.1
155°	243.7	235.8	227.9	220.9	215.8	211.2	208.4	207.9	208.4	211.2	215.8
157.5°	243.7	237.4	230.6	225.2	220.7	217.1	214.5	214.5	214.5	217.1	220.7
160°	243.7	238.1	232.5	227.4	223.7	220.5	218.6	218.6	218.6	220.5	223.7
162.5°	243.7	238.9	233.7	229.7	226.3	223.4	221.9	222.3	221.9	223.4	226.3
165°	242.8	239.0	234.9	232.1	229.8	227.4	226.5	226.5	226.5	227.4	229.8
167.5°	241.7	239.0	235.9	233.7	232.4	230.6	230.2	230.6	230.2	230.6	232.4
170°	240.9	238.6	236.3	234.9	233.9	232.5	232.1	232.5	232.1	232.5	233.9
172.5°	240.2	238.2	236.6	235.6	235.1	234.0	233.9	234.4	233.9	234.0	235.1
175°	239.0	237.7	236.8	236.8	236.3	235.8	235.8	236.3	235.8	235.8	236.3
177.5°	237.8	237.1	236.8	236.8	236.8	236.4	236.8	237.1	236.8	236.4	236.8
180°	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1026.6	1023.5	1019.0	1012.8	1007.5	1002.0	1000.6	998.5	1002.7	999.2	998.2
5°	993.0	983.8	972.2	958.7	950.9	939.6	937.4	933.1	928.8	928.4	924.0
7.5°	957.3	944.0	928.6	914.9	902.2	889.9	881.9	880.1	873.8	870.0	865.7
10°	934.4	917.9	900.2	887.1	872.5	859.4	850.3	845.1	840.7	836.0	831.7
12.5°	907.3	889.8	875.2	861.1	843.6	833.7	818.7	809.8	808.9	808.9	797.7
15°	875.9	858.5	836.0	816.0	806.5	787.4	779.2	768.7	762.3	755.8	750.6
17.5°	839.9	818.3	800.7	777.8	759.6	744.4	733.6	727.3	717.5	708.3	701.6
20°	817.3	794.3	775.8	751.5	731.5	712.8	703.8	695.0	687.7	679.9	672.5
22.5°	794.4	770.5	747.6	724.1	705.5	685.8	677.0	665.2	658.2	653.9	646.5
25°	758.4	732.4	706.4	683.8	664.7	647.3	635.7	626.6	618.7	615.3	610.5
27.5°	719.2	693.3	668.2	642.6	620.9	608.4	599.0	592.2	587.6	583.0	580.9
30°	694.2	667.3	640.4	616.6	596.6	584.1	575.4	570.6	567.1	565.0	562.8
32.5°	668.9	642.4	614.1	592.3	574.5	563.3	556.7	551.9	550.2	549.3	548.6
35°	628.3	601.4	575.4	555.9	539.0	534.7	529.0	526.4	525.5	528.6	529.9
37.5°	589.0	564.0	540.1	521.2	510.1	503.8	501.8	502.0	505.1	507.8	510.9
40°	563.7	539.4	516.9	500.3	490.0	486.1	485.2	487.4	490.8	493.9	497.3
42.5°	539.1	515.1	494.6	479.2	472.0	468.4	468.9	471.1	475.9	479.6	484.9
45°	500.8	480.9	460.9	448.3	442.3	443.1	443.1	447.0	451.8	457.5	463.1
47.5°	464.8	444.7	428.3	417.8	414.6	413.8	416.3	421.3	428.2	435.2	443.0
50°	440.5	421.4	407.2	397.6	394.1	395.4	398.9	403.7	411.9	420.6	428.8
52.5°	415.9	398.6	385.3	376.4	374.1	376.3	379.8	387.3	394.6	404.0	413.9
55°	377.6	362.9	352.5	346.0	345.1	346.4	350.3	358.6	369.0	380.7	390.3
57.5°	339.6	327.3	317.7	313.2	313.6	314.9	321.3	331.1	342.2	354.7	367.0
60°	314.0	302.6	294.9	291.4	291.8	294.4	302.2	311.4	325.2	337.4	350.3
62.5°	289.7	279.7	272.3	269.2	268.6	274.3	281.8	291.2	305.1	318.6	332.6
65°	250.6	242.8	236.8	235.1	236.4	240.7	250.2	262.8	274.5	288.8	303.5
67.5°	212.5	206.0	201.9	202.7	204.2	210.7	218.7	229.4	242.7	257.6	272.1
70°	188.2	182.1	178.6	179.0	181.6	189.5	196.4	207.2	221.6	236.8	248.9
72.5°	163.2	159.2	156.1	157.9	160.5	165.9	174.6	185.4	198.0	212.1	224.9
75°	125.3	125.3	123.6	124.9	128.8	134.0	140.5	151.7	164.4	175.6	186.1
77.5°	92.9	92.0	93.1	94.7	96.9	103.1	110.6	118.6	128.1	139.3	148.0
80°	71.1	71.6	73.7	76.3	77.2	81.9	89.8	97.1	104.5	114.1	122.3
82.5°	53.4	53.9	55.0	58.3	59.1	64.2	69.3	76.6	83.3	89.8	96.6
85°	29.0	29.0	31.2	32.5	34.7	38.2	41.2	45.5	51.6	55.9	62.5
87.5°	11.8	11.8	13.8	14.5	15.7	17.6	18.3	22.2	23.6	25.4	28.5
90°	3.8	3.8	6.5	6.5	7.4	8.4	7.9	8.4	8.8	9.3	9.3
92.5°	24.5	34.2	57.9	93.9	129.1	147.5	122.9	91.3	68.7	54.7	45.4
95°	38.6	58.1	98.6	174.9	286.0	379.0	389.7	344.6	272.6	210.2	165.1
97.5°	46.7	63.1	94.2	157.2	267.7	399.3	489.7	509.2	482.4	436.9	388.3
100°	53.0	67.9	95.3	147.9	242.8	373.9	493.0	560.9	570.2	547.4	513.0
102.5°	60.1	74.2	99.1	145.3	226.0	342.3	465.0	558.3	604.5	611.1	596.7
105°	72.1	85.6	107.9	146.5	211.7	305.1	414.4	520.9	601.4	647.4	666.5
107.5°	84.5	97.8	118.2	153.4	209.0	284.3	373.5	467.8	553.4	618.3	659.7
110°	93.0	105.6	126.0	158.6	209.8	277.2	353.0	435.8	516.2	583.7	634.9



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	101.2	113.7	133.5	164.2	212.0	273.9	341.4	412.4	483.5	547.2	598.3
115°	114.0	126.5	145.1	173.0	216.3	272.1	330.7	388.8	446.1	500.4	545.1
117.5°	125.6	138.7	156.4	182.1	220.8	271.6	325.9	377.2	424.6	467.4	505.2
120°	133.5	146.5	164.2	188.3	224.2	271.6	323.3	372.1	415.3	452.5	485.5
122.5°	141.3	153.9	171.6	194.3	227.6	271.3	320.2	367.6	409.4	443.2	472.1
125°	152.1	165.1	181.8	203.3	232.5	270.7	315.4	360.0	400.0	432.0	457.6
127.5°	162.0	175.1	191.4	211.0	236.5	269.6	308.8	350.7	388.9	420.9	445.2
130°	168.4	181.8	197.6	215.8	239.5	269.3	304.6	343.2	380.0	411.6	436.3
132.5°	174.3	187.0	202.8	220.6	242.1	268.9	300.9	335.4	369.9	400.8	425.4
135°	182.8	194.9	210.2	227.0	246.1	268.3	295.3	324.7	354.9	383.2	406.5
137.5°	190.0	201.5	215.8	231.5	248.3	268.2	290.5	314.9	340.5	364.4	385.4
140°	194.4	205.5	219.6	234.4	250.2	267.9	287.9	309.2	331.2	352.0	371.6
142.5°	198.5	209.3	222.9	236.6	251.7	267.9	285.7	304.1	323.3	341.3	358.2
145°	204.2	214.4	226.5	239.0	252.6	266.9	281.8	296.7	312.5	326.5	339.5
147.5°	209.7	218.9	230.2	241.2	253.0	265.3	278.4	290.7	303.2	314.4	324.7
150°	213.0	221.8	232.1	242.3	253.0	264.2	275.8	287.0	297.7	307.0	315.4
152.5°	216.4	224.5	233.6	243.0	252.3	262.3	272.8	282.8	292.0	300.6	307.5
155°	220.9	227.9	235.8	243.7	251.1	259.5	268.3	276.7	284.1	291.1	296.7
157.5°	225.2	230.6	237.4	243.7	250.0	256.7	263.8	270.1	276.4	282.2	286.7
160°	227.4	232.5	238.1	243.7	248.8	254.4	260.5	266.0	271.2	276.2	280.0
162.5°	229.7	233.7	238.9	243.7	247.7	252.2	257.5	262.0	266.3	270.3	273.7
165°	232.1	234.9	239.0	242.8	245.6	248.8	252.6	256.2	259.0	262.3	264.6
167.5°	233.7	235.9	239.0	241.7	243.4	245.5	248.1	250.8	252.9	255.5	256.9
170°	234.9	236.3	238.6	240.9	241.8	243.2	245.1	247.4	248.8	250.7	252.1
172.5°	235.6	236.6	238.2	240.2	240.4	241.0	242.5	244.4	245.5	246.6	247.6
175°	236.8	236.8	237.7	239.0	238.6	238.6	239.5	240.4	240.9	241.8	241.8
177.5°	236.8	236.8	237.1	237.8	237.1	237.1	237.5	237.8	238.2	238.2	238.6
180°	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	997.4	996.8	994.3	994.0	994.3	996.8	997.4	998.2	999.2	1002.7	998.5
5°	921.5	919.2	917.9	922.8	917.9	919.2	921.5	924.0	928.4	928.8	933.1
7.5°	864.1	862.3	858.5	857.4	858.5	862.3	864.1	865.7	870.0	873.8	880.1
10°	827.3	825.6	822.1	821.3	822.1	825.6	827.3	831.7	836.0	840.7	845.1
12.5°	791.9	788.5	787.7	788.6	787.7	788.5	791.9	797.7	808.9	808.9	809.8
15°	744.9	743.2	738.4	739.7	738.4	743.2	744.9	750.6	755.8	762.3	768.7
17.5°	698.6	696.5	690.7	695.9	690.7	696.5	698.6	701.6	708.3	717.5	727.3
20°	669.5	666.0	663.0	662.5	663.0	666.0	669.5	672.5	679.9	687.7	695.0
22.5°	641.7	638.6	638.4	635.5	638.4	638.6	641.7	646.5	653.9	658.2	665.2
25°	607.1	604.1	603.2	601.0	603.2	604.1	607.1	610.5	615.3	618.7	626.6
27.5°	580.4	578.9	577.4	578.0	577.4	578.9	580.4	580.9	583.0	587.6	592.2
30°	564.1	563.7	562.8	562.8	562.8	563.7	564.1	562.8	565.0	567.1	570.6
32.5°	550.6	550.5	551.1	551.1	551.1	550.5	550.6	548.6	549.3	550.2	551.9
35°	531.6	532.9	533.8	532.5	533.8	532.9	531.6	529.9	528.6	525.5	526.4
37.5°	514.5	515.8	517.0	518.4	517.0	515.8	514.5	510.9	507.8	505.1	502.0
40°	501.2	504.3	505.2	507.4	505.2	504.3	501.2	497.3	493.9	490.8	487.4
42.5°	488.8	492.1	494.4	494.8	494.4	492.1	488.8	484.9	479.6	475.9	471.1
45°	469.6	473.0	476.1	476.1	476.1	473.0	469.6	463.1	457.5	451.8	447.0
47.5°	449.7	454.8	457.8	458.6	457.8	454.8	449.7	443.0	435.2	428.2	421.3
50°	436.2	442.3	445.3	447.5	445.3	442.3	436.2	428.8	420.6	411.9	403.7
52.5°	423.1	429.1	433.2	434.3	433.2	429.1	423.1	413.9	404.0	394.6	387.3
55°	400.2	408.9	413.7	415.4	413.7	408.9	400.2	390.3	380.7	369.0	358.6
57.5°	378.7	386.7	392.2	393.5	392.2	386.7	378.7	367.0	354.7	342.2	331.1
60°	362.1	370.7	377.6	379.0	377.6	370.7	362.1	350.3	337.4	325.2	311.4
62.5°	345.0	354.1	360.4	363.7	360.4	354.1	345.0	332.6	318.6	305.1	291.2
65°	315.7	324.7	330.8	332.2	330.8	324.7	315.7	303.5	288.8	274.5	262.8
67.5°	283.6	292.7	296.7	299.2	296.7	292.7	283.6	272.1	257.6	242.7	229.4
70°	261.1	268.4	272.7	274.9	272.7	268.4	261.1	248.9	236.8	221.6	207.2
72.5°	235.4	243.0	248.1	248.5	248.1	243.0	235.4	224.9	212.1	198.0	185.4
75°	196.0	202.9	205.5	205.5	205.5	202.9	196.0	186.1	175.6	164.4	151.7
77.5°	155.2	158.7	162.0	162.7	162.0	158.7	155.2	148.0	139.3	128.1	118.6
80°	128.8	130.9	133.5	133.5	133.5	130.9	128.8	122.3	114.1	104.5	97.1
82.5°	101.7	103.5	106.2	105.8	106.2	103.5	101.7	96.6	89.8	83.3	76.6
85°	61.6	65.5	65.1	64.2	65.1	65.5	61.6	62.5	55.9	51.6	45.5
87.5°	29.7	30.2	31.1	31.8	31.1	30.2	29.7	28.5	25.4	23.6	22.2
90°	9.8	10.2	9.8	9.8	9.8	10.2	9.8	9.3	9.3	8.8	8.4
92.5°	39.9	37.4	35.8	35.8	35.8	37.4	39.9	45.4	54.7	68.7	91.3
95°	142.4	127.9	119.5	113.5	119.5	127.9	142.4	165.1	210.2	272.6	344.6
97.5°	355.0	326.9	313.0	303.3	313.0	326.9	355.0	388.3	436.9	482.4	509.2
100°	472.5	444.2	430.2	426.5	430.2	444.2	472.5	513.0	547.4	570.2	560.9
102.5°	571.9	551.3	536.6	533.6	536.6	551.3	571.9	596.7	611.1	604.5	558.3
105°	667.4	663.7	657.1	654.4	657.1	663.7	667.4	666.5	647.4	601.4	520.9
107.5°	682.7	693.3	698.0	699.2	698.0	693.3	682.7	659.7	618.3	553.4	467.8
110°	667.9	687.4	695.8	699.9	695.8	687.4	667.9	634.9	583.7	516.2	435.8



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	635.9	659.5	671.2	678.0	671.2	659.5	635.9	598.3	547.2	483.5	412.4
115°	581.8	609.8	624.6	628.4	624.6	609.8	581.8	545.1	500.4	446.1	388.8
117.5°	536.6	560.0	575.1	578.0	575.1	560.0	536.6	505.2	467.4	424.6	377.2
120°	512.1	532.6	544.6	549.8	544.6	532.6	512.1	485.5	452.5	415.3	372.1
122.5°	494.6	512.1	522.3	527.4	522.3	512.1	494.6	472.1	443.2	409.4	367.6
125°	476.2	489.8	498.6	501.3	498.6	489.8	476.2	457.6	432.0	400.0	360.0
127.5°	463.9	475.9	483.3	486.1	483.3	475.9	463.9	445.2	420.9	388.9	350.7
130°	455.3	466.9	474.4	477.2	474.4	466.9	455.3	436.3	411.6	380.0	343.2
132.5°	444.2	457.3	464.3	467.2	464.3	457.3	444.2	425.4	400.8	369.9	335.4
135°	425.1	438.1	445.6	448.3	445.6	438.1	425.1	406.5	383.2	354.9	324.7
137.5°	402.8	415.6	421.8	425.1	421.8	415.6	402.8	385.4	364.4	340.5	314.9
140°	387.9	398.1	404.6	408.4	404.6	398.1	387.9	371.6	352.0	331.2	309.2
142.5°	372.6	382.1	387.9	390.4	387.9	382.1	372.6	358.2	341.3	323.3	304.1
145°	351.1	359.1	363.7	366.0	363.7	359.1	351.1	339.5	326.5	312.5	296.7
147.5°	333.2	340.0	343.5	344.4	343.5	340.0	333.2	324.7	314.4	303.2	290.7
150°	322.8	328.8	331.6	332.1	331.6	328.8	322.8	315.4	307.0	297.7	287.0
152.5°	313.8	318.8	320.4	320.9	320.4	318.8	313.8	307.5	300.6	292.0	282.8
155°	301.4	305.1	306.5	306.5	306.5	305.1	301.4	296.7	291.1	284.1	276.7
157.5°	290.2	293.0	293.8	293.8	293.8	293.0	290.2	286.7	282.2	276.4	270.1
160°	282.7	285.6	286.0	286.0	286.0	285.6	282.7	280.0	276.2	271.2	266.0
162.5°	275.7	278.5	279.0	278.6	279.0	278.5	275.7	273.7	270.3	266.3	262.0
165°	266.5	268.3	267.9	267.4	267.9	268.3	266.5	264.6	262.3	259.0	256.2
167.5°	257.9	259.0	258.9	258.6	258.9	259.0	257.9	256.9	255.5	252.9	250.8
170°	253.0	253.5	253.0	253.0	253.0	253.5	253.0	252.1	250.7	248.8	247.4
172.5°	248.2	248.7	248.2	247.4	248.2	248.7	248.2	247.6	246.6	245.5	244.4
175°	241.8	242.8	241.8	240.9	241.8	242.8	241.8	241.8	241.8	240.9	240.4
177.5°	238.2	238.6	237.8	237.1	237.8	238.6	238.2	238.6	238.2	238.2	237.8
180°	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1000.6	1002.0	1007.5	1012.8	1019.0	1023.5	1026.6	1030.0	1037.4	1043.3	1048.8
5°	937.4	939.6	950.9	958.7	972.2	983.8	993.0	1002.9	1014.6	1030.7	1045.5
7.5°	881.9	889.9	902.2	914.9	928.6	944.0	957.3	972.3	992.5	1014.6	1037.3
10°	850.3	859.4	872.5	887.1	900.2	917.9	934.4	952.2	975.2	1002.1	1029.0
12.5°	818.7	833.7	843.6	861.1	875.2	889.8	907.3	930.7	957.5	985.8	1018.2
15°	779.2	787.4	806.5	816.0	836.0	858.5	875.9	899.3	925.3	962.6	999.1
17.5°	733.6	744.4	759.6	777.8	800.7	818.3	839.9	864.0	896.7	933.8	979.4
20°	703.8	712.8	731.5	751.5	775.8	794.3	817.3	840.7	874.6	914.0	961.7
22.5°	677.0	685.8	705.5	724.1	747.6	770.5	794.4	821.7	854.1	895.7	944.4
25°	635.7	647.3	664.7	683.8	706.4	732.4	758.4	782.7	817.3	861.1	913.2
27.5°	599.0	608.4	620.9	642.6	668.2	693.3	719.2	749.7	783.0	829.3	883.4
30°	575.4	584.1	596.6	616.6	640.4	667.3	694.2	723.7	758.4	804.4	859.4
32.5°	556.7	563.3	574.5	592.3	614.1	642.4	668.9	699.4	735.8	781.1	834.8
35°	529.0	534.7	539.0	555.9	575.4	601.4	628.3	660.8	695.9	738.9	792.6
37.5°	501.8	503.8	510.1	521.2	540.1	564.0	589.0	621.0	657.0	700.6	749.1
40°	485.2	486.1	490.0	500.3	516.9	539.4	563.7	595.3	629.6	670.8	718.9
42.5°	468.9	468.4	472.0	479.2	494.6	515.1	539.1	567.9	602.2	640.3	685.6
45°	443.1	443.1	442.3	448.3	460.9	480.9	500.8	528.6	557.2	594.5	632.7
47.5°	416.3	413.8	414.6	417.8	428.3	444.7	464.8	487.5	512.8	544.4	577.8
50°	398.9	395.4	394.1	397.6	407.2	421.4	440.5	460.5	484.4	512.1	540.7
52.5°	379.8	376.3	374.1	376.4	385.3	398.6	415.9	433.4	454.9	477.4	502.2
55°	350.3	346.4	345.1	346.0	352.5	362.9	377.6	393.7	409.8	428.4	445.7
57.5°	321.3	314.9	313.6	313.2	317.7	327.3	339.6	353.5	365.2	376.4	394.9
60°	302.2	294.4	291.8	291.4	294.9	302.6	314.0	327.8	336.1	343.8	359.9
62.5°	281.8	274.3	268.6	269.2	272.3	279.7	289.7	299.7	305.2	313.6	324.5
65°	250.2	240.7	236.4	235.1	236.8	242.8	250.6	257.1	263.2	266.7	277.0
67.5°	218.7	210.7	204.2	202.7	201.9	206.0	212.5	216.4	220.7	223.7	229.9
70°	196.4	189.5	181.6	179.0	178.6	182.1	188.2	188.6	194.7	196.0	202.5
72.5°	174.6	165.9	160.5	157.9	156.1	159.2	163.2	164.4	167.6	170.0	173.3
75°	140.5	134.0	128.8	124.9	123.6	125.3	125.3	127.5	129.6	130.9	134.9
77.5°	110.6	103.1	96.9	94.7	93.1	92.0	92.9	94.2	93.2	95.5	96.4
80°	89.8	81.9	77.2	76.3	73.7	71.6	71.1	72.4	70.7	71.6	74.1
82.5°	69.3	64.2	59.1	58.3	55.0	53.9	53.4	52.7	52.7	52.5	53.0
85°	41.2	38.2	34.7	32.5	31.2	29.0	29.0	28.2	27.3	26.4	26.9
87.5°	18.3	17.6	15.7	14.5	13.8	11.8	11.8	10.7	10.3	9.6	9.1
90°	7.9	8.4	7.4	6.5	6.5	3.8	3.8	3.3	2.8	1.4	0.5
92.5°	122.9	147.5	129.1	93.9	57.9	34.2	24.5	17.8	12.1	7.7	5.3
95°	389.7	379.0	286.0	174.9	98.6	58.1	38.6	27.5	21.4	16.7	15.3
97.5°	489.7	399.3	267.7	157.2	94.2	63.1	46.7	37.1	31.6	27.6	27.6
100°	493.0	373.9	242.8	147.9	95.3	67.9	53.0	44.2	38.6	35.4	35.4
102.5°	465.0	342.3	226.0	145.3	99.1	74.2	60.1	51.6	46.4	43.5	42.8
105°	414.4	305.1	211.7	146.5	107.9	85.6	72.1	63.8	58.1	55.8	54.4
107.5°	373.5	284.3	209.0	153.4	118.2	97.8	84.5	76.5	70.5	68.2	67.3
110°	353.0	277.2	209.8	158.6	126.0	105.6	93.0	84.6	79.1	76.7	75.8



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	341.4	273.9	212.0	164.2	133.5	113.7	101.2	92.9	87.6	85.0	84.0
115°	330.7	272.1	216.3	173.0	145.1	126.5	114.0	105.1	100.4	97.2	95.8
117.5°	325.9	271.6	220.8	182.1	156.4	138.7	125.6	117.4	112.3	109.4	108.1
120°	323.3	271.6	224.2	188.3	164.2	146.5	133.5	125.6	120.4	117.2	116.3
122.5°	320.2	271.3	227.6	194.3	171.6	153.9	141.3	132.6	127.9	124.7	123.7
125°	315.4	270.7	232.5	203.3	181.8	165.1	152.1	143.2	138.1	135.3	133.5
127.5°	308.8	269.6	236.5	211.0	191.4	175.1	162.0	152.8	147.0	143.7	142.1
130°	304.6	269.3	239.5	215.8	197.6	181.8	168.4	159.6	152.5	148.8	147.0
132.5°	300.9	268.9	242.1	220.6	202.8	187.0	174.3	164.8	158.2	153.3	151.8
135°	295.3	268.3	246.1	227.0	210.2	194.9	182.8	173.0	165.1	160.5	158.6
137.5°	290.5	268.2	248.3	231.5	215.8	201.5	190.0	179.8	172.3	167.1	165.4
140°	287.9	267.9	250.2	234.4	219.6	205.5	194.4	184.7	176.8	171.6	170.2
142.5°	285.7	267.9	251.7	236.6	222.9	209.3	198.5	189.1	181.6	176.8	175.5
145°	281.8	266.9	252.6	239.0	226.5	214.4	204.2	195.3	188.8	184.2	182.8
147.5°	278.4	265.3	253.0	241.2	230.2	218.9	209.7	202.3	195.6	191.5	191.0
150°	275.8	264.2	253.0	242.3	232.1	221.8	213.0	206.0	200.5	196.7	196.2
152.5°	272.8	262.3	252.3	243.0	233.6	224.5	216.4	210.1	204.9	201.2	201.1
155°	268.3	259.5	251.1	243.7	235.8	227.9	220.9	215.8	211.2	208.4	207.9
157.5°	263.8	256.7	250.0	243.7	237.4	230.6	225.2	220.7	217.1	214.5	214.5
160°	260.5	254.4	248.8	243.7	238.1	232.5	227.4	223.7	220.5	218.6	218.6
162.5°	257.5	252.2	247.7	243.7	238.9	233.7	229.7	226.3	223.4	221.9	222.3
165°	252.6	248.8	245.6	242.8	239.0	234.9	232.1	229.8	227.4	226.5	226.5
167.5°	248.1	245.5	243.4	241.7	239.0	235.9	233.7	232.4	230.6	230.2	230.6
170°	245.1	243.2	241.8	240.9	238.6	236.3	234.9	233.9	232.5	232.1	232.5
172.5°	242.5	241.0	240.4	240.2	238.2	236.6	235.6	235.1	234.0	233.9	234.4
175°	239.5	238.6	238.6	239.0	237.7	236.8	236.8	236.3	235.8	235.8	236.3
177.5°	237.5	237.1	237.1	237.8	237.1	236.8	236.8	236.8	236.4	236.8	237.1
180°	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1053.7	1057.1	1061.7	1069.3	1072.0	1075.5	1080.4	1080.0	1081.4	1086.6	1097.7
5°	1057.6	1071.0	1084.0	1099.6	1116.1	1126.9	1141.7	1150.8	1159.9	1171.6	1191.6
7.5°	1059.2	1080.4	1104.3	1131.7	1156.1	1184.2	1206.2	1226.8	1245.4	1270.2	1293.9
10°	1056.7	1085.3	1116.1	1150.8	1187.6	1218.9	1247.1	1279.1	1306.4	1336.4	1363.3
12.5°	1052.2	1086.7	1127.9	1166.8	1209.8	1256.0	1291.1	1323.6	1359.9	1394.3	1435.7
15°	1042.0	1089.2	1137.3	1188.5	1246.2	1299.5	1350.2	1392.3	1431.3	1482.9	1537.2
17.5°	1029.0	1079.9	1140.7	1202.6	1262.8	1323.8	1386.6	1449.8	1499.1	1563.2	1605.6
20°	1016.8	1075.8	1138.2	1211.9	1272.2	1348.1	1410.5	1471.7	1539.3	1603.0	1653.8
22.5°	999.8	1064.4	1130.6	1204.0	1283.3	1359.2	1431.3	1497.7	1565.3	1634.6	1696.1
25°	978.2	1036.7	1115.2	1198.5	1277.4	1359.8	1442.6	1525.8	1598.7	1672.0	1729.2
27.5°	941.4	1015.4	1088.4	1174.4	1262.1	1355.3	1443.8	1531.0	1607.3	1667.5	1703.0
30°	922.8	986.9	1066.2	1152.5	1247.5	1347.7	1440.0	1525.4	1596.5	1644.7	1659.0
32.5°	895.0	961.2	1038.9	1128.2	1228.7	1331.7	1427.8	1508.5	1567.7	1593.0	1575.7
35°	853.8	913.6	992.1	1083.6	1188.1	1297.8	1392.8	1460.9	1491.2	1467.3	1407.9
37.5°	804.4	863.6	942.5	1032.3	1140.4	1252.0	1337.8	1386.8	1376.8	1317.4	1228.9
40°	769.6	825.2	900.2	997.3	1102.7	1214.6	1290.0	1316.5	1288.7	1203.7	1109.6
42.5°	731.2	785.3	860.6	954.3	1065.9	1169.1	1234.9	1237.0	1190.5	1088.9	994.4
45°	672.5	724.1	795.2	892.8	996.0	1093.2	1136.4	1115.2	1029.4	931.4	836.4
47.5°	614.7	659.4	729.5	822.1	920.1	1001.9	1023.4	985.1	893.6	798.5	710.5
50°	572.3	617.4	683.4	771.8	866.3	937.0	947.5	896.7	807.0	711.1	642.2
52.5°	531.7	576.5	640.0	721.9	808.5	872.1	872.5	813.8	724.4	639.0	574.9
55°	472.2	512.5	569.7	643.0	720.2	770.1	758.0	697.2	619.6	545.5	489.5
57.5°	414.8	449.9	502.6	563.8	631.8	672.9	652.7	594.3	525.0	462.1	419.7
60°	377.6	411.1	456.2	513.8	571.0	603.2	584.1	531.2	467.4	416.7	379.8
62.5°	341.6	369.8	413.1	463.2	516.2	540.1	523.0	470.8	415.7	369.9	340.0
65°	290.5	313.5	348.2	391.1	429.7	450.0	435.8	387.2	345.1	312.2	288.4
67.5°	242.8	260.7	287.1	321.5	354.2	365.3	352.3	318.5	282.8	256.4	239.6
70°	209.9	226.8	248.9	275.3	303.9	315.7	302.6	275.7	246.7	222.4	205.9
72.5°	181.1	194.2	212.8	235.5	257.8	269.5	260.7	234.8	210.3	192.2	178.2
75°	137.9	149.2	162.2	178.2	195.6	203.3	195.6	177.8	160.9	147.4	137.5
77.5°	100.3	106.3	116.3	128.3	139.2	145.2	138.4	126.4	116.0	106.8	101.9
80°	76.3	80.6	87.6	97.1	104.5	110.1	105.8	95.8	87.6	81.5	79.3
82.5°	55.5	58.5	62.9	70.0	75.0	77.9	76.0	68.7	65.4	60.0	57.8
85°	27.3	29.0	32.1	34.2	38.6	39.1	39.5	36.4	33.4	32.1	30.3
87.5°	9.6	10.3	11.4	12.6	13.9	14.8	14.5	14.7	13.5	13.0	11.7
90°	1.4	2.8	3.3	3.8	3.8	6.5	6.5	7.4	8.4	7.9	8.4
92.5°	7.7	12.1	17.8	24.5	34.2	57.9	93.9	129.1	147.5	122.9	91.3
95°	16.7	21.4	27.5	38.6	58.1	98.6	174.9	286.0	379.0	389.7	344.6
97.5°	27.6	31.6	37.1	46.7	63.1	94.2	157.2	267.7	399.3	489.7	509.2
100°	35.4	38.6	44.2	53.0	67.9	95.3	147.9	242.8	373.9	493.0	560.9
102.5°	43.5	46.4	51.6	60.1	74.2	99.1	145.3	226.0	342.3	465.0	558.3
105°	55.8	58.1	63.8	72.1	85.6	107.9	146.5	211.7	305.1	414.4	520.9
107.5°	68.2	70.5	76.5	84.5	97.8	118.2	153.4	209.0	284.3	373.5	467.8
110°	76.7	79.1	84.6	93.0	105.6	126.0	158.6	209.8	277.2	353.0	435.8



TEST NUMBER: P332591-930

CATALOG NUMBER: SA4XXDIP-C795D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	85.0	87.6	92.9	101.2	113.7	133.5	164.2	212.0	273.9	341.4	412.4
115°	97.2	100.4	105.1	114.0	126.5	145.1	173.0	216.3	272.1	330.7	388.8
117.5°	109.4	112.3	117.4	125.6	138.7	156.4	182.1	220.8	271.6	325.9	377.2
120°	117.2	120.4	125.6	133.5	146.5	164.2	188.3	224.2	271.6	323.3	372.1
122.5°	124.7	127.9	132.6	141.3	153.9	171.6	194.3	227.6	271.3	320.2	367.6
125°	135.3	138.1	143.2	152.1	165.1	181.8	203.3	232.5	270.7	315.4	360.0
127.5°	143.7	147.0	152.8	162.0	175.1	191.4	211.0	236.5	269.6	308.8	350.7
130°	148.8	152.5	159.6	168.4	181.8	197.6	215.8	239.5	269.3	304.6	343.2
132.5°	153.3	158.2	164.8	174.3	187.0	202.8	220.6	242.1	268.9	300.9	335.4
135°	160.5	165.1	173.0	182.8	194.9	210.2	227.0	246.1	268.3	295.3	324.7
137.5°	167.1	172.3	179.8	190.0	201.5	215.8	231.5	248.3	268.2	290.5	314.9
140°	171.6	176.8	184.7	194.4	205.5	219.6	234.4	250.2	267.9	287.9	309.2
142.5°	176.8	181.6	189.1	198.5	209.3	222.9	236.6	251.7	267.9	285.7	304.1
145°	184.2	188.8	195.3	204.2	214.4	226.5	239.0	252.6	266.9	281.8	296.7
147.5°	191.5	195.6	202.3	209.7	218.9	230.2	241.2	253.0	265.3	278.4	290.7
150°	196.7	200.5	206.0	213.0	221.8	232.1	242.3	253.0	264.2	275.8	287.0
152.5°	201.2	204.9	210.1	216.4	224.5	233.6	243.0	252.3	262.3	272.8	282.8
155°	208.4	211.2	215.8	220.9	227.9	235.8	243.7	251.1	259.5	268.3	276.7
157.5°	214.5	217.1	220.7	225.2	230.6	237.4	243.7	250.0	256.7	263.8	270.1
160°	218.6	220.5	223.7	227.4	232.5	238.1	243.7	248.8	254.4	260.5	266.0
162.5°	221.9	223.4	226.3	229.7	233.7	238.9	243.7	247.7	252.2	257.5	262.0
165°	226.5	227.4	229.8	232.1	234.9	239.0	242.8	245.6	248.8	252.6	256.2
167.5°	230.2	230.6	232.4	233.7	235.9	239.0	241.7	243.4	245.5	248.1	250.8
170°	232.1	232.5	233.9	234.9	236.3	238.6	240.9	241.8	243.2	245.1	247.4
172.5°	233.9	234.0	235.1	235.6	236.6	238.2	240.2	240.4	241.0	242.5	244.4
175°	235.8	235.8	236.3	236.8	236.8	237.7	239.0	238.6	238.6	239.5	240.4
177.5°	236.8	236.4	236.8	236.8	236.8	237.1	237.8	237.1	237.1	237.5	237.8
180°	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8	236.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1103.3	1104.0	1107.1	1109.5	1110.2	1113.7	1114.0
5°	1200.2	1207.6	1221.9	1223.2	1225.4	1236.6	1228.0
7.5°	1313.9	1332.5	1345.1	1356.1	1360.1	1365.0	1364.0
10°	1386.7	1414.5	1428.3	1450.4	1451.3	1456.9	1453.4
12.5°	1459.9	1492.2	1517.4	1521.5	1540.1	1543.0	1547.8
15°	1563.6	1597.8	1633.0	1645.5	1671.1	1677.2	1686.8
17.5°	1661.1	1696.1	1720.7	1753.2	1763.7	1777.8	1768.2
20°	1714.5	1752.6	1783.9	1809.5	1820.3	1828.1	1827.2
22.5°	1746.8	1785.3	1810.5	1829.9	1840.0	1843.4	1843.1
25°	1766.9	1789.1	1796.8	1804.3	1793.0	1789.1	1790.8
27.5°	1710.7	1705.0	1684.7	1657.9	1630.2	1608.2	1596.2
30°	1633.4	1599.6	1568.8	1515.0	1487.3	1470.8	1456.0
32.5°	1523.8	1470.2	1411.0	1361.7	1330.2	1305.7	1302.0
35°	1335.9	1255.3	1182.9	1122.6	1091.4	1064.9	1058.8
37.5°	1135.8	1052.0	986.8	933.8	900.2	881.5	864.1
40°	1002.9	931.0	866.7	821.7	796.1	782.7	771.8
42.5°	900.6	834.9	771.0	736.7	713.5	705.3	699.0
45°	759.2	698.1	653.9	627.9	614.4	600.5	594.0
47.5°	646.0	596.3	567.1	545.0	530.7	522.4	518.3
50°	581.9	541.1	515.1	498.2	485.2	478.7	475.2
52.5°	525.0	491.5	469.7	456.2	447.4	442.6	441.2
55°	452.2	426.6	412.8	401.1	394.6	390.3	388.5
57.5°	393.1	373.4	362.2	352.5	350.0	346.3	345.1
60°	354.2	339.1	329.5	323.0	320.9	316.5	317.4
62.5°	319.9	307.5	299.4	295.6	292.8	289.1	290.3
65°	270.6	261.5	257.1	253.6	250.2	248.0	249.7
67.5°	227.1	220.8	214.9	212.9	211.2	210.8	209.0
70°	198.6	193.4	188.2	186.9	186.9	185.2	184.7
72.5°	171.2	167.4	163.9	163.0	161.6	162.2	160.5
75°	132.2	129.2	127.9	126.6	126.2	126.2	124.9
77.5°	97.8	95.5	93.4	93.4	91.8	91.2	91.1
80°	74.1	73.3	71.6	71.6	70.7	71.1	70.3
82.5°	55.8	54.5	54.2	53.5	52.3	52.3	51.5
85°	29.9	28.6	28.2	26.9	26.0	26.9	26.0
87.5°	12.1	11.9	11.6	11.0	10.7	10.6	9.6
90°	8.8	9.3	9.3	9.8	10.2	9.8	9.8
92.5°	68.7	54.7	45.4	39.9	37.4	35.8	35.8
95°	272.6	210.2	165.1	142.4	127.9	119.5	113.5
97.5°	482.4	436.9	388.3	355.0	326.9	313.0	303.3
100°	570.2	547.4	513.0	472.5	444.2	430.2	426.5
102.5°	604.5	611.1	596.7	571.9	551.3	536.6	533.6
105°	601.4	647.4	666.5	667.4	663.7	657.1	654.4
107.5°	553.4	618.3	659.7	682.7	693.3	698.0	699.2
110°	516.2	583.7	634.9	667.9	687.4	695.8	699.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	483.5	547.2	598.3	635.9	659.5	671.2	678.0
115°	446.1	500.4	545.1	581.8	609.8	624.6	628.4
117.5°	424.6	467.4	505.2	536.6	560.0	575.1	578.0
120°	415.3	452.5	485.5	512.1	532.6	544.6	549.8
122.5°	409.4	443.2	472.1	494.6	512.1	522.3	527.4
125°	400.0	432.0	457.6	476.2	489.8	498.6	501.3
127.5°	388.9	420.9	445.2	463.9	475.9	483.3	486.1
130°	380.0	411.6	436.3	455.3	466.9	474.4	477.2
132.5°	369.9	400.8	425.4	444.2	457.3	464.3	467.2
135°	354.9	383.2	406.5	425.1	438.1	445.6	448.3
137.5°	340.5	364.4	385.4	402.8	415.6	421.8	425.1
140°	331.2	352.0	371.6	387.9	398.1	404.6	408.4
142.5°	323.3	341.3	358.2	372.6	382.1	387.9	390.4
145°	312.5	326.5	339.5	351.1	359.1	363.7	366.0
147.5°	303.2	314.4	324.7	333.2	340.0	343.5	344.4
150°	297.7	307.0	315.4	322.8	328.8	331.6	332.1
152.5°	292.0	300.6	307.5	313.8	318.8	320.4	320.9
155°	284.1	291.1	296.7	301.4	305.1	306.5	306.5
157.5°	276.4	282.2	286.7	290.2	293.0	293.8	293.8
160°	271.2	276.2	280.0	282.7	285.6	286.0	286.0
162.5°	266.3	270.3	273.7	275.7	278.5	279.0	278.6
165°	259.0	262.3	264.6	266.5	268.3	267.9	267.4
167.5°	252.9	255.5	256.9	257.9	259.0	258.9	258.6
170°	248.8	250.7	252.1	253.0	253.5	253.0	253.0
172.5°	245.5	246.6	247.6	248.2	248.7	248.2	247.4
175°	240.9	241.8	241.8	241.8	242.8	241.8	240.9
177.5°	238.2	238.2	238.6	238.2	238.6	237.8	237.1
180°	236.8	236.8	236.8	236.8	236.8	236.8	236.8

(END OF REPORT)