

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: P331340-830

Luminaire Tested: **SA2XXDIP-C675D530U830-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331340-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4545.5 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

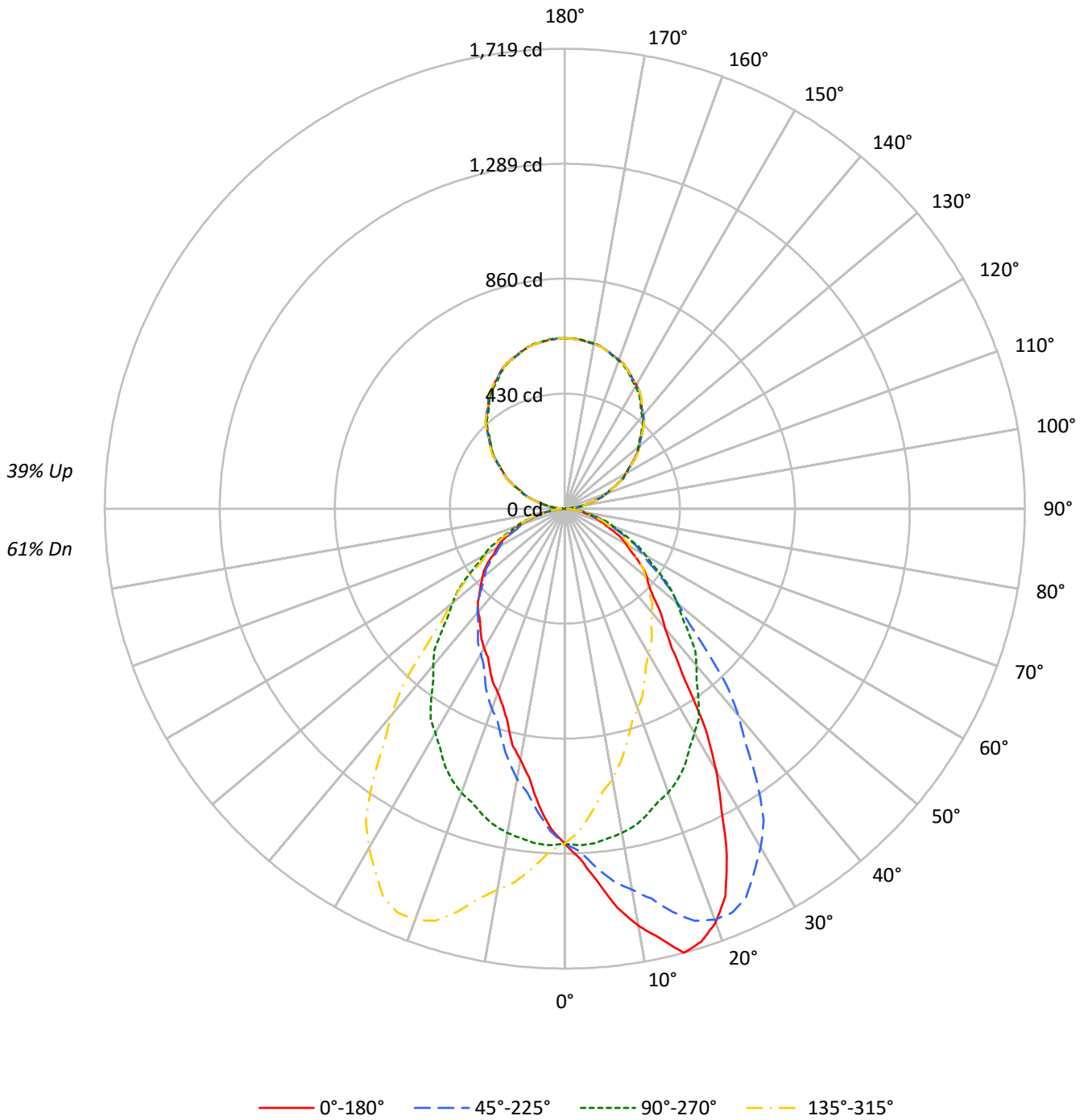
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61	
1	101	97	93	89	94	91	87	84	79	77	75	69	67	66	59	58	57	57	57	57	52	
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	49	49	49	45	
3	85	75	68	62	79	71	65	59	62	58	53	55	51	48	47	45	42	42	42	42	39	
4	78	67	59	53	73	63	56	51	56	50	46	49	45	41	43	40	37	37	37	37	34	
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33	33	33	33	30	
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	35	32	29	29	29	29	26	
7	61	49	41	36	57	47	40	34	42	36	32	37	32	29	33	29	26	26	26	26	24	
8	57	45	37	32	54	43	36	31	38	32	28	34	29	26	30	26	24	24	24	24	21	
9	53	41	34	29	50	39	32	28	35	30	26	31	27	23	28	24	21	21	21	21	19	
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	20	20	20	18	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20215	20215	20215	20215
5°	22663	20345	18029	20345
10°	25968	20179	15603	20179
15°	28727	19809	13785	19809
20°	28290	19411	12565	19411
25°	25509	18884	11794	18884
30°	21080	18040	11231	18040
35°	15364	17156	10831	17156
40°	12271	16115	10608	16115
45°	10723	14908	10305	14908
50°	10078	13742	10105	13742
55°	9292	12555	9833	12555
60°	8512	11296	9416	11296
65°	7755	10166	9005	10166
70°	7039	9064	8403	9064
75°	6245	7829	7442	7829
80°	5374	6481	5997	6481
85°	4817	4817	3557	4817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	2.6
10°-20°	346.6	7.6
20°-30°	503.1	11.1
30°-40°	530.9	11.7
40°-50°	470.0	10.3
50°-60°	375.1	8.3
60°-70°	254.9	5.6
70°-80°	130.7	2.9
80°-90°	34.1	0.7
90°-100°	40.4	0.9
100°-110°	125.3	2.8
110°-120°	214.3	4.7
120°-130°	281.8	6.2
130°-140°	316.2	7.0
140°-150°	310.1	6.8
150°-160°	260.1	5.7
160°-170°	172.5	3.8
170°-180°	60.3	1.3
0°-30°	968.9	21.3
0°-40°	1499.8	33.0
0°-60°	2344.9	51.6
0°-90°	2764.6	60.8
90°-120°	380.0	8.4
90°-150°	1288.0	28.3
90°-180°	1781.0	39.2
0°-180°	4545.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1252	1252	1252	1252	1252	
5°	1398	1255	1112	1255	1398	140
15°	1719	1185	825	1185	1719	474
25°	1432	1060	662	1060	1432	647
35°	780	870	550	870	780	507
45°	470	653	451	653	470	369
55°	330	446	349	446	330	296
65°	203	266	236	266	203	202
75°	100	126	119	126	100	107
85°	26	26	19	26	26	29
90°	18	1	18	1	18	9
95°	33	28	33	28	33	37
105°	119	116	119	116	119	125
115°	215	215	215	215	215	212
125°	314	313	314	313	314	280
135°	410	405	410	405	410	315
145°	497	491	497	491	497	310
155°	566	562	566	562	566	260
165°	612	611	612	611	612	172
175°	634	636	634	636	634	60
180°	637	637	637	637	637	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1309.7	1310.0	1310.9	1304.7	1303.9	1303.9	1298.5	1293.9	1288.5	1281.2	1282.0
5°	1398.3	1403.5	1405.4	1399.7	1391.0	1390.1	1381.9	1368.4	1355.8	1345.8	1338.6
7.5°	1503.9	1506.0	1501.3	1493.6	1487.2	1475.7	1460.5	1445.6	1424.7	1405.5	1391.3
10°	1583.9	1586.9	1578.7	1567.6	1558.5	1545.0	1522.9	1500.2	1472.8	1446.3	1425.1
12.5°	1644.7	1651.9	1641.4	1639.9	1624.3	1605.8	1579.4	1568.0	1529.4	1492.5	1469.8
15°	1718.6	1718.2	1719.2	1710.1	1698.5	1695.5	1667.6	1637.4	1583.0	1561.3	1523.8
17.5°	1697.3	1704.6	1708.0	1707.9	1707.6	1705.8	1696.9	1677.7	1650.5	1615.3	1572.0
20°	1646.5	1656.1	1657.6	1668.7	1674.9	1683.1	1686.4	1681.1	1664.3	1634.9	1597.4
22.5°	1568.0	1570.7	1575.2	1592.4	1606.0	1626.5	1637.2	1655.0	1648.5	1634.2	1602.8
25°	1431.9	1427.1	1444.0	1452.6	1483.8	1516.6	1540.2	1566.1	1589.2	1603.2	1594.0
27.5°	1268.5	1261.3	1286.5	1309.5	1334.9	1370.4	1407.1	1450.5	1486.6	1531.7	1547.2
30°	1130.7	1135.0	1159.1	1183.6	1222.1	1272.1	1313.5	1361.2	1412.7	1463.2	1498.3
32.5°	982.1	998.8	1014.0	1051.6	1085.4	1141.3	1201.9	1261.5	1325.7	1383.1	1437.5
35°	779.5	798.7	819.9	847.3	894.9	950.3	1009.5	1089.8	1177.4	1255.8	1320.3
37.5°	656.1	653.0	665.2	684.9	723.6	768.2	836.3	915.8	1018.8	1111.0	1201.9
40°	582.2	580.2	588.9	607.2	636.6	669.3	729.0	798.7	894.5	1007.0	1115.3
42.5°	531.4	532.5	537.3	550.3	570.3	597.3	642.0	701.3	789.0	895.0	1011.3
45°	469.6	473.0	478.2	484.6	496.1	518.2	543.2	585.6	654.9	743.4	857.9
47.5°	425.2	425.3	430.6	436.1	443.0	455.4	475.9	502.4	551.3	623.4	721.8
50°	401.2	397.9	401.8	406.0	413.3	422.0	435.5	460.4	493.1	551.4	633.7
52.5°	372.0	372.1	375.6	377.2	383.7	392.3	404.6	422.0	451.6	497.1	564.8
55°	330.1	332.4	334.4	337.2	343.1	349.3	358.9	370.5	393.6	427.7	477.8
57.5°	290.6	291.3	293.3	298.8	302.5	308.2	317.4	327.8	342.9	368.2	405.8
60°	263.6	263.6	267.5	269.9	274.8	280.5	287.8	297.8	311.3	332.0	362.3
62.5°	239.0	238.7	240.2	244.1	247.8	253.2	260.4	269.0	281.6	300.0	325.0
65°	203.0	202.1	205.0	205.9	209.8	215.1	220.8	230.0	240.1	253.5	275.7
67.5°	168.4	169.6	171.1	173.0	175.0	180.6	184.5	191.0	199.4	210.7	225.6
70°	149.1	149.1	149.1	150.6	153.4	156.4	160.2	165.5	173.7	183.3	196.8
72.5°	127.6	129.1	130.6	129.8	133.5	135.2	139.8	142.8	150.6	156.7	168.7
75°	100.1	100.1	100.1	102.5	104.0	105.4	108.3	111.1	115.0	122.7	128.9
77.5°	74.6	74.5	74.9	75.5	77.1	78.8	79.6	82.3	85.9	89.4	94.7
80°	57.8	58.7	59.2	60.1	60.1	61.1	61.5	64.9	67.4	69.7	73.1
82.5°	44.7	44.9	45.0	45.1	45.5	46.1	47.3	48.4	49.3	51.3	53.9
85°	26.0	25.5	25.5	26.5	26.0	26.0	27.0	27.9	27.9	28.4	29.8
87.5°	13.7	13.7	14.0	13.6	13.6	13.9	14.0	13.7	14.1	14.5	14.4
90°	18.3	18.2	18.0	17.9	17.8	17.8	18.1	18.4	18.6	18.9	16.2
92.5°	17.4	17.4	17.3	17.3	17.3	17.2	17.2	17.2	17.2	17.1	16.5
95°	33.4	33.6	33.8	34.0	34.3	34.4	34.4	34.4	34.4	34.4	34.1
97.5°	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.4
100°	73.6	73.8	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.2	73.8
102.5°	91.7	91.8	91.9	92.1	92.2	92.2	92.1	92.0	91.9	91.8	91.3
105°	119.3	119.3	119.3	119.3	119.3	119.2	118.9	118.8	118.5	118.3	118.0
107.5°	145.3	145.9	146.5	146.9	147.5	147.8	147.7	147.6	147.5	147.4	147.4
110°	165.5	165.9	166.3	166.6	167.0	167.1	167.1	167.1	167.1	167.1	167.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	184.9	185.1	185.4	185.7	186.0	186.2	186.5	186.8	187.1	187.4	187.5
115°	215.0	215.4	215.7	216.0	216.4	216.7	216.8	216.9	217.1	217.2	217.4
117.5°	243.6	244.0	244.4	244.8	245.2	245.4	245.7	246.0	246.3	246.6	247.2
120°	263.9	264.3	264.7	264.9	265.3	265.5	265.5	265.5	265.5	265.5	266.5
122.5°	283.7	284.0	284.2	284.5	284.7	285.0	285.3	285.6	285.9	286.2	286.8
125°	313.9	314.0	314.1	314.2	314.3	314.6	315.0	315.3	315.7	316.0	316.4
127.5°	341.4	341.8	342.1	342.5	342.9	343.4	343.7	344.2	344.6	345.1	345.5
130°	361.2	361.7	362.1	362.6	363.1	363.4	363.7	363.9	364.2	364.4	364.7
132.5°	380.1	380.5	380.9	381.3	381.6	382.1	382.6	383.1	383.7	384.2	384.2
135°	409.5	409.9	410.3	410.7	410.9	411.2	411.3	411.5	411.6	411.7	411.5
137.5°	436.2	436.7	437.2	437.6	438.1	438.4	438.5	438.6	438.7	438.8	438.5
140°	454.7	455.2	455.6	456.1	456.7	456.9	456.9	456.9	456.9	456.9	456.3
142.5°	471.5	471.9	472.4	472.9	473.3	473.5	473.4	473.3	473.3	473.2	472.8
145°	496.6	497.1	497.6	498.0	498.5	498.7	498.6	498.5	498.3	498.2	497.6
147.5°	519.1	519.5	520.0	520.5	520.9	521.0	520.8	520.5	520.2	520.0	519.4
150°	533.8	534.0	534.4	534.8	535.2	535.2	534.8	534.4	534.0	533.8	533.2
152.5°	547.5	547.9	548.4	548.8	549.3	549.3	548.8	548.4	547.9	547.5	546.9
155°	566.0	566.3	566.7	567.0	567.4	567.3	566.7	566.1	565.5	564.9	564.5
157.5°	581.8	582.5	583.1	583.6	584.2	584.1	583.2	582.4	581.6	580.8	580.6
160°	591.7	592.2	592.8	593.2	593.7	593.5	592.9	592.1	591.4	590.7	590.6
162.5°	600.4	601.0	601.5	602.1	602.7	602.6	601.7	600.9	600.1	599.3	599.2
165°	611.6	612.3	612.8	613.4	614.1	613.9	613.1	612.3	611.4	610.6	610.6
167.5°	620.9	621.5	622.2	622.7	623.4	623.3	622.5	621.6	620.8	619.9	619.9
170°	625.7	626.3	627.1	627.7	628.5	628.4	627.6	626.8	625.9	625.1	625.2
172.5°	629.5	630.2	630.9	631.7	632.4	632.3	631.5	630.7	629.8	629.0	629.1
175°	633.7	634.4	635.1	635.8	636.6	636.5	635.7	634.8	634.0	633.1	633.4
177.5°	635.7	636.2	636.8	637.3	637.9	637.9	637.3	636.8	636.2	635.7	635.8
180°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1284.7	1281.6	1279.7	1272.7	1266.6	1260.5	1258.5	1259.2	1250.8	1242.7	1239.3
5°	1334.7	1325.1	1316.0	1303.0	1287.6	1270.7	1262.1	1255.3	1238.5	1220.2	1209.7
7.5°	1379.6	1365.8	1348.2	1323.7	1301.4	1274.9	1258.0	1243.1	1218.4	1192.7	1176.9
10°	1406.9	1388.1	1365.5	1335.7	1308.2	1276.0	1253.4	1230.8	1201.9	1171.1	1151.9
12.5°	1430.4	1405.0	1382.8	1344.5	1312.1	1271.8	1244.9	1213.1	1182.7	1146.1	1127.3
15°	1486.3	1439.6	1397.2	1354.0	1314.0	1257.7	1227.9	1185.1	1145.1	1099.9	1078.3
17.5°	1529.5	1477.1	1410.3	1355.3	1308.7	1246.4	1202.6	1151.3	1104.1	1052.3	1022.9
20°	1554.2	1493.9	1422.3	1356.9	1301.0	1229.8	1182.2	1129.7	1074.4	1016.2	984.4
22.5°	1568.8	1505.5	1434.6	1351.0	1285.6	1216.4	1156.4	1098.9	1042.8	980.1	946.7
25°	1573.4	1515.6	1440.6	1346.2	1266.4	1188.0	1115.8	1060.0	992.1	933.4	884.9
27.5°	1550.5	1509.1	1436.9	1337.2	1244.2	1152.4	1072.0	1008.8	937.2	873.5	824.6
30°	1522.4	1498.3	1428.0	1327.9	1226.4	1127.8	1039.2	967.6	896.4	831.9	781.8
32.5°	1478.8	1473.7	1411.9	1314.8	1207.6	1096.6	1005.0	932.6	853.7	790.3	742.6
35°	1393.5	1416.5	1377.5	1285.6	1172.1	1052.3	953.2	870.4	788.6	728.0	683.2
37.5°	1278.9	1336.2	1326.1	1242.8	1124.2	1004.0	894.6	808.0	730.1	668.9	625.0
40°	1200.0	1273.1	1283.7	1210.1	1090.3	966.7	850.6	764.6	688.5	632.7	588.4
42.5°	1115.3	1200.8	1229.8	1170.8	1053.3	927.4	811.4	722.2	647.0	592.7	553.5
45°	973.4	1086.5	1138.9	1105.2	991.6	862.7	743.4	652.9	584.6	533.6	503.3
47.5°	840.7	964.2	1034.7	1022.8	923.0	795.3	677.4	590.6	524.1	483.3	456.2
50°	746.8	873.7	958.9	962.8	873.7	747.2	628.9	547.1	486.0	448.0	425.8
52.5°	665.2	786.4	879.3	899.7	818.7	697.2	585.4	504.0	450.2	415.2	395.4
55°	558.6	661.1	764.0	801.6	736.6	621.1	517.7	446.0	395.5	371.5	354.1
57.5°	464.4	549.9	645.0	686.5	646.4	547.5	450.5	388.3	347.3	326.2	312.9
60°	414.7	482.1	566.8	616.3	581.7	493.7	409.0	349.8	316.1	297.4	284.8
62.5°	368.5	428.2	499.8	545.2	526.3	443.3	367.4	315.2	286.1	268.4	259.5
65°	304.1	351.3	406.6	448.5	435.9	372.9	310.9	266.1	243.0	229.0	221.8
67.5°	250.4	284.5	322.8	359.5	349.4	304.7	255.0	220.1	202.8	190.9	186.5
70°	216.5	242.5	276.6	306.0	297.8	261.3	221.8	192.0	177.1	166.9	162.6
72.5°	184.2	205.6	231.6	255.6	250.1	219.7	186.8	164.3	152.8	143.5	139.9
75°	139.0	155.4	171.3	187.2	185.7	162.1	142.9	125.5	116.4	109.2	107.7
77.5°	102.6	111.8	122.6	132.1	129.4	115.9	100.9	91.0	84.2	79.4	78.6
80°	78.4	83.7	91.4	98.1	94.8	89.0	77.0	69.7	64.9	60.1	58.2
82.5°	56.8	62.2	66.8	70.4	67.9	62.5	55.0	50.1	47.2	44.0	43.2
85°	29.8	32.7	34.7	35.6	34.7	31.3	27.9	26.0	23.6	22.1	21.7
87.5°	14.2	13.8	13.2	13.6	12.2	11.9	10.0	8.6	8.5	8.4	7.9
90°	13.6	10.9	8.3	6.3	4.8	3.4	2.0	0.6	2.0	3.4	4.8
92.5°	15.8	15.3	14.6	13.8	12.7	11.7	10.7	9.6	10.7	11.7	12.7
95°	33.9	33.6	33.5	32.7	31.6	30.3	29.1	28.0	29.1	30.3	31.6
97.5°	56.9	56.5	56.0	55.2	54.2	53.2	52.1	51.1	52.1	53.2	54.2
100°	73.4	73.1	72.8	72.1	71.2	70.1	69.2	68.2	69.2	70.1	71.2
102.5°	90.9	90.5	90.0	89.4	88.6	87.8	87.1	86.3	87.1	87.8	88.6
105°	117.7	117.5	117.3	117.0	116.6	116.3	115.9	115.6	115.9	116.3	116.6
107.5°	147.4	147.4	147.4	147.1	146.6	146.1	145.5	145.1	145.5	146.1	146.6
110°	167.1	167.1	167.1	166.8	166.1	165.3	164.7	163.9	164.7	165.3	166.1



TEST NUMBER: P331340-830

CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	187.6	187.7	187.8	187.5	186.7	186.0	185.3	184.5	185.3	186.0	186.7
115°	217.6	217.8	218.1	217.8	217.2	216.4	215.7	215.0	215.7	216.4	217.2
117.5°	247.9	248.6	249.3	249.1	248.2	247.2	246.3	245.3	246.3	247.2	248.2
120°	267.4	268.3	269.4	269.4	268.3	267.4	266.5	265.5	266.5	267.4	268.3
122.5°	287.5	288.1	288.8	288.6	287.5	286.3	285.1	284.0	285.1	286.3	287.5
125°	316.8	317.1	317.4	317.1	316.0	315.0	313.9	312.8	313.9	315.0	316.0
127.5°	345.9	346.4	346.8	346.3	345.0	343.6	342.2	340.8	342.2	343.6	345.0
130°	364.9	365.1	365.3	364.7	363.2	361.6	360.1	358.5	360.1	361.6	363.2
132.5°	384.1	384.1	384.0	383.3	382.1	380.8	379.6	378.2	379.6	380.8	382.1
135°	411.2	410.9	410.8	410.0	408.7	407.4	406.0	404.7	406.0	407.4	408.7
137.5°	438.2	437.9	437.5	436.9	435.8	434.7	433.7	432.5	433.7	434.7	435.8
140°	455.6	455.1	454.5	453.6	452.5	451.5	450.4	449.3	450.4	451.5	452.5
142.5°	472.4	472.0	471.6	470.8	469.8	468.7	467.6	466.6	467.6	468.7	469.8
145°	496.8	496.1	495.4	494.6	493.8	492.9	492.1	491.3	492.1	492.9	493.8
147.5°	519.0	518.5	518.0	517.3	516.3	515.3	514.3	513.3	514.3	515.3	516.3
150°	532.7	532.3	531.8	531.2	530.5	529.8	529.0	528.4	529.0	529.8	530.5
152.5°	546.3	545.7	545.2	544.5	543.8	543.1	542.4	541.7	542.4	543.1	543.8
155°	564.2	563.8	563.5	563.1	562.7	562.4	562.0	561.7	562.0	562.4	562.7
157.5°	580.4	580.1	579.9	579.8	579.5	579.2	579.0	578.7	579.0	579.2	579.5
160°	590.4	590.3	590.2	590.0	589.7	589.6	589.3	589.1	589.3	589.6	589.7
162.5°	599.1	598.9	598.8	598.7	598.7	598.6	598.6	598.5	598.6	598.6	598.7
165°	610.6	610.6	610.6	610.7	610.8	610.9	611.0	611.1	611.0	610.9	610.8
167.5°	620.0	620.0	620.0	620.2	620.6	620.9	621.3	621.6	621.3	620.9	620.6
170°	625.3	625.5	625.6	625.8	626.1	626.5	626.9	627.3	626.9	626.5	626.1
172.5°	629.2	629.3	629.4	629.7	630.0	630.4	630.7	631.1	630.7	630.4	630.0
175°	633.7	633.9	634.1	634.4	634.8	635.1	635.5	635.8	635.5	635.1	634.8
177.5°	636.0	636.2	636.4	636.6	636.9	637.2	637.4	637.8	637.4	637.2	636.9
180°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9



TEST NUMBER: P331340-830

CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1235.4	1233.1	1225.0	1220.8	1213.8	1207.3	1203.1	1205.0	1206.5	1205.8	1204.6
5°	1200.0	1190.8	1176.9	1164.9	1156.2	1140.3	1133.6	1130.2	1127.4	1124.0	1120.6
7.5°	1157.8	1143.4	1123.4	1106.3	1090.1	1070.4	1059.1	1052.3	1045.5	1037.8	1031.1
10°	1127.8	1107.6	1086.5	1062.3	1043.1	1025.3	1009.5	998.9	989.3	980.1	973.4
12.5°	1096.3	1073.0	1046.8	1013.9	992.7	967.2	964.8	946.1	931.1	925.5	917.6
15°	1046.0	1013.3	980.1	941.1	924.3	901.2	886.7	872.3	859.3	850.2	847.8
17.5°	988.9	946.6	913.6	885.6	858.0	834.3	821.0	809.5	798.8	786.6	784.9
20°	945.5	908.9	872.8	848.3	819.9	795.8	779.5	767.9	758.7	751.6	745.3
22.5°	904.3	864.2	831.2	804.4	776.4	757.0	744.0	732.9	725.3	717.3	711.4
25°	838.2	806.9	770.8	740.5	717.4	704.9	694.3	684.7	679.9	674.6	667.9
27.5°	780.3	745.6	711.8	688.3	668.1	657.0	649.4	642.9	638.4	635.3	631.5
30°	739.5	704.4	678.0	654.9	638.0	627.0	622.2	618.3	613.0	611.1	609.2
32.5°	700.3	668.6	646.0	625.9	609.9	602.7	598.2	594.8	590.7	588.7	584.8
35°	644.7	618.3	596.2	585.0	572.1	565.8	562.5	557.6	553.8	551.9	551.4
37.5°	592.5	569.5	555.0	540.7	535.3	531.4	526.8	523.5	522.4	522.1	521.6
40°	558.6	539.9	526.9	515.3	512.9	507.1	503.3	500.4	500.4	500.9	500.4
42.5°	527.8	511.0	499.5	489.6	486.7	483.2	479.4	479.2	480.0	481.6	480.0
45°	481.2	469.1	460.9	456.1	450.8	447.4	447.0	448.5	448.9	449.4	450.8
47.5°	438.2	430.3	422.8	417.5	415.2	414.6	414.1	416.6	418.9	419.7	422.0
50°	412.8	403.7	397.5	394.1	392.1	391.2	392.1	395.0	396.9	399.4	400.8
52.5°	384.4	377.9	373.5	371.0	370.2	370.8	371.0	374.3	377.3	378.1	378.9
55°	345.0	340.2	339.2	334.9	336.8	336.3	338.7	340.6	343.6	346.4	346.9
57.5°	305.8	301.9	299.3	299.6	300.2	302.4	304.3	307.7	310.9	313.9	314.1
60°	279.6	277.6	276.2	276.2	277.1	280.0	282.5	285.8	287.8	289.6	291.1
62.5°	255.7	253.7	252.3	253.1	255.6	257.3	260.1	261.9	263.8	265.8	266.5
65°	217.9	217.0	218.5	219.4	219.9	222.3	225.6	227.1	229.0	230.0	233.4
67.5°	183.2	183.4	183.2	184.5	187.4	187.9	191.1	194.4	194.8	196.7	198.9
70°	159.8	160.7	161.6	162.6	165.0	166.0	168.4	169.8	171.7	173.2	174.7
72.5°	138.2	138.4	139.3	139.1	141.2	143.3	145.3	146.8	148.6	150.5	151.9
75°	106.3	106.3	107.3	107.7	110.2	112.6	112.1	113.1	115.0	116.9	117.9
77.5°	77.7	76.6	77.7	78.1	78.9	81.0	81.3	82.7	84.8	84.2	85.3
80°	59.2	57.8	59.2	59.7	59.7	62.1	62.1	63.1	64.5	63.1	64.5
82.5°	42.2	41.6	42.6	42.7	43.5	43.5	44.4	44.6	46.0	45.3	46.0
85°	21.2	20.7	21.2	20.7	21.2	21.7	21.7	21.2	21.2	22.1	20.7
87.5°	7.8	7.8	7.9	8.5	8.7	8.8	8.3	8.3	8.2	7.4	7.4
90°	6.3	8.3	10.9	13.6	16.2	18.9	18.6	18.4	18.1	17.8	17.8
92.5°	13.8	14.6	15.3	15.8	16.5	17.1	17.2	17.2	17.2	17.2	17.3
95°	32.7	33.5	33.6	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.3
97.5°	55.2	56.0	56.5	56.9	57.4	57.9	57.9	57.9	57.9	57.9	57.8
100°	72.1	72.8	73.1	73.4	73.8	74.2	74.2	74.2	74.2	74.2	74.1
102.5°	89.4	90.0	90.5	90.9	91.3	91.8	91.9	92.0	92.1	92.2	92.2
105°	117.0	117.3	117.5	117.7	118.0	118.3	118.5	118.8	118.9	119.2	119.3
107.5°	147.1	147.4	147.4	147.4	147.4	147.4	147.5	147.6	147.7	147.8	147.5
110°	166.8	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.0



TEST NUMBER: P331340-830

CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	187.5	187.8	187.7	187.6	187.5	187.4	187.1	186.8	186.5	186.2	186.0
115°	217.8	218.1	217.8	217.6	217.4	217.2	217.1	216.9	216.8	216.7	216.4
117.5°	249.1	249.3	248.6	247.9	247.2	246.6	246.3	246.0	245.7	245.4	245.2
120°	269.4	269.4	268.3	267.4	266.5	265.5	265.5	265.5	265.5	265.5	265.3
122.5°	288.6	288.8	288.1	287.5	286.8	286.2	285.9	285.6	285.3	285.0	284.7
125°	317.1	317.4	317.1	316.8	316.4	316.0	315.7	315.3	315.0	314.6	314.3
127.5°	346.3	346.8	346.4	345.9	345.5	345.1	344.6	344.2	343.7	343.4	342.9
130°	364.7	365.3	365.1	364.9	364.7	364.4	364.2	363.9	363.7	363.4	363.1
132.5°	383.3	384.0	384.1	384.1	384.2	384.2	383.7	383.1	382.6	382.1	381.6
135°	410.0	410.8	410.9	411.2	411.5	411.7	411.6	411.5	411.3	411.2	410.9
137.5°	436.9	437.5	437.9	438.2	438.5	438.8	438.7	438.6	438.5	438.4	438.1
140°	453.6	454.5	455.1	455.6	456.3	456.9	456.9	456.9	456.9	456.9	456.7
142.5°	470.8	471.6	472.0	472.4	472.8	473.2	473.3	473.3	473.4	473.5	473.3
145°	494.6	495.4	496.1	496.8	497.6	498.2	498.3	498.5	498.6	498.7	498.5
147.5°	517.3	518.0	518.5	519.0	519.4	520.0	520.2	520.5	520.8	521.0	520.9
150°	531.2	531.8	532.3	532.7	533.2	533.8	534.0	534.4	534.8	535.2	535.2
152.5°	544.5	545.2	545.7	546.3	546.9	547.5	547.9	548.4	548.8	549.3	549.3
155°	563.1	563.5	563.8	564.2	564.5	564.9	565.5	566.1	566.7	567.3	567.4
157.5°	579.8	579.9	580.1	580.4	580.6	580.8	581.6	582.4	583.2	584.1	584.2
160°	590.0	590.2	590.3	590.4	590.6	590.7	591.4	592.1	592.9	593.5	593.7
162.5°	598.7	598.8	598.9	599.1	599.2	599.3	600.1	600.9	601.7	602.6	602.7
165°	610.7	610.6	610.6	610.6	610.6	610.6	611.4	612.3	613.1	613.9	614.1
167.5°	620.2	620.0	620.0	620.0	619.9	619.9	620.8	621.6	622.5	623.3	623.4
170°	625.8	625.6	625.5	625.3	625.2	625.1	625.9	626.8	627.6	628.4	628.5
172.5°	629.7	629.4	629.3	629.2	629.1	629.0	629.8	630.7	631.5	632.3	632.4
175°	634.4	634.1	633.9	633.7	633.4	633.1	634.0	634.8	635.7	636.5	636.6
177.5°	636.6	636.4	636.2	636.0	635.8	635.7	636.2	636.8	637.3	637.9	637.9
180°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9



TEST NUMBER: P331340-830
 CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1200.8	1200.0	1200.0	1196.6	1200.0	1200.0	1200.8	1204.6	1205.8	1206.5	1205.0
5°	1113.9	1112.4	1110.0	1112.4	1110.0	1112.4	1113.9	1120.6	1124.0	1127.4	1130.2
7.5°	1027.9	1022.2	1021.3	1015.6	1021.3	1022.2	1027.9	1031.1	1037.8	1045.5	1052.3
10°	965.2	961.3	960.8	951.7	960.8	961.3	965.2	973.4	980.1	989.3	998.9
12.5°	917.5	908.2	910.0	904.7	910.0	908.2	917.5	917.6	925.5	931.1	946.1
15°	834.8	834.8	832.8	824.7	832.8	834.8	834.8	847.8	850.2	859.3	872.3
17.5°	775.4	774.5	769.9	772.1	769.9	774.5	775.4	784.9	786.6	798.8	809.5
20°	740.0	737.2	731.3	731.3	731.3	737.2	740.0	745.3	751.6	758.7	767.9
22.5°	706.5	706.3	700.2	702.1	700.2	706.3	706.5	711.4	717.3	725.3	732.9
25°	667.3	663.5	660.6	662.0	660.6	663.5	667.3	667.9	674.6	679.9	684.7
27.5°	630.2	628.1	627.9	624.0	627.9	628.1	630.2	631.5	635.3	638.4	642.9
30°	608.7	603.9	604.8	602.4	604.8	603.9	608.7	609.2	611.1	613.0	618.3
32.5°	584.0	582.3	581.4	579.3	581.4	582.3	584.0	584.8	588.7	590.7	594.8
35°	550.4	550.9	548.6	549.5	548.6	550.9	550.4	551.4	551.9	553.8	557.6
37.5°	521.1	522.6	521.5	521.8	521.5	522.6	521.1	521.6	522.1	522.4	523.5
40°	501.8	501.8	501.8	503.3	501.8	501.8	501.8	500.4	500.9	500.4	500.4
42.5°	483.3	482.6	481.8	481.7	481.8	482.6	483.3	480.0	481.6	480.0	479.2
45°	451.8	453.3	453.7	451.3	453.7	453.3	451.8	450.8	449.4	448.9	448.5
47.5°	423.2	423.4	423.2	425.4	423.2	423.4	423.2	422.0	419.7	418.9	416.6
50°	403.2	402.3	403.2	402.3	403.2	402.3	403.2	400.8	399.4	396.9	395.0
52.5°	382.0	382.2	381.6	381.4	381.6	382.2	382.0	378.9	378.1	377.3	374.3
55°	348.8	349.8	349.3	349.3	349.3	349.8	348.8	346.9	346.4	343.6	340.6
57.5°	314.5	315.4	316.0	313.9	316.0	315.4	314.5	314.1	313.9	310.9	307.7
60°	290.6	293.0	292.6	291.6	292.6	293.0	290.6	291.1	289.6	287.8	285.8
62.5°	268.7	269.6	269.5	269.3	269.5	269.6	268.7	266.5	265.8	263.8	261.9
65°	234.8	235.7	234.3	235.7	234.3	235.7	234.8	233.4	230.0	229.0	227.1
67.5°	198.3	198.6	199.7	200.4	199.7	198.6	198.3	198.9	196.7	194.8	194.4
70°	175.6	175.1	176.5	178.0	176.5	175.1	175.6	174.7	173.2	171.7	169.8
72.5°	151.7	152.8	152.3	153.4	152.3	152.8	151.7	151.9	150.5	148.6	146.8
75°	116.9	118.4	117.9	119.3	117.9	118.4	116.9	117.9	116.9	115.0	113.1
77.5°	84.5	84.6	84.5	85.3	84.5	84.6	84.5	85.3	84.2	84.8	82.7
80°	64.5	63.5	62.6	64.5	62.6	63.5	64.5	64.5	63.1	64.5	63.1
82.5°	44.9	45.4	44.5	44.5	44.5	45.4	44.9	46.0	45.3	46.0	44.6
85°	20.7	20.2	19.2	19.2	19.2	20.2	20.7	20.7	22.1	21.2	21.2
87.5°	7.4	7.1	7.1	6.7	7.1	7.1	7.4	7.4	7.4	8.2	8.3
90°	17.9	18.0	18.2	18.3	18.2	18.0	17.9	17.8	17.8	18.1	18.4
92.5°	17.3	17.3	17.4	17.4	17.4	17.3	17.3	17.3	17.2	17.2	17.2
95°	34.0	33.8	33.6	33.4	33.6	33.8	34.0	34.3	34.4	34.4	34.4
97.5°	57.8	57.8	57.8	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9
100°	74.0	73.9	73.8	73.6	73.8	73.9	74.0	74.1	74.2	74.2	74.2
102.5°	92.1	91.9	91.8	91.7	91.8	91.9	92.1	92.2	92.2	92.1	92.0
105°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.2	118.9	118.8
107.5°	146.9	146.5	145.9	145.3	145.9	146.5	146.9	147.5	147.8	147.7	147.6
110°	166.6	166.3	165.9	165.5	165.9	166.3	166.6	167.0	167.1	167.1	167.1



TEST NUMBER: P331340-830

CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	185.7	185.4	185.1	184.9	185.1	185.4	185.7	186.0	186.2	186.5	186.8
115°	216.0	215.7	215.4	215.0	215.4	215.7	216.0	216.4	216.7	216.8	216.9
117.5°	244.8	244.4	244.0	243.6	244.0	244.4	244.8	245.2	245.4	245.7	246.0
120°	264.9	264.7	264.3	263.9	264.3	264.7	264.9	265.3	265.5	265.5	265.5
122.5°	284.5	284.2	284.0	283.7	284.0	284.2	284.5	284.7	285.0	285.3	285.6
125°	314.2	314.1	314.0	313.9	314.0	314.1	314.2	314.3	314.6	315.0	315.3
127.5°	342.5	342.1	341.8	341.4	341.8	342.1	342.5	342.9	343.4	343.7	344.2
130°	362.6	362.1	361.7	361.2	361.7	362.1	362.6	363.1	363.4	363.7	363.9
132.5°	381.3	380.9	380.5	380.1	380.5	380.9	381.3	381.6	382.1	382.6	383.1
135°	410.7	410.3	409.9	409.5	409.9	410.3	410.7	410.9	411.2	411.3	411.5
137.5°	437.6	437.2	436.7	436.2	436.7	437.2	437.6	438.1	438.4	438.5	438.6
140°	456.1	455.6	455.2	454.7	455.2	455.6	456.1	456.7	456.9	456.9	456.9
142.5°	472.9	472.4	471.9	471.5	471.9	472.4	472.9	473.3	473.5	473.4	473.3
145°	498.0	497.6	497.1	496.6	497.1	497.6	498.0	498.5	498.7	498.6	498.5
147.5°	520.5	520.0	519.5	519.1	519.5	520.0	520.5	520.9	521.0	520.8	520.5
150°	534.8	534.4	534.0	533.8	534.0	534.4	534.8	535.2	535.2	534.8	534.4
152.5°	548.8	548.4	547.9	547.5	547.9	548.4	548.8	549.3	549.3	548.8	548.4
155°	567.0	566.7	566.3	566.0	566.3	566.7	567.0	567.4	567.3	566.7	566.1
157.5°	583.6	583.1	582.5	581.8	582.5	583.1	583.6	584.2	584.1	583.2	582.4
160°	593.2	592.8	592.2	591.7	592.2	592.8	593.2	593.7	593.5	592.9	592.1
162.5°	602.1	601.5	601.0	600.4	601.0	601.5	602.1	602.7	602.6	601.7	600.9
165°	613.4	612.8	612.3	611.6	612.3	612.8	613.4	614.1	613.9	613.1	612.3
167.5°	622.7	622.2	621.5	620.9	621.5	622.2	622.7	623.4	623.3	622.5	621.6
170°	627.7	627.1	626.3	625.7	626.3	627.1	627.7	628.5	628.4	627.6	626.8
172.5°	631.7	630.9	630.2	629.5	630.2	630.9	631.7	632.4	632.3	631.5	630.7
175°	635.8	635.1	634.4	633.7	634.4	635.1	635.8	636.6	636.5	635.7	634.8
177.5°	637.3	636.8	636.2	635.7	636.2	636.8	637.3	637.9	637.9	637.3	636.8
180°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9



TEST NUMBER: P331340-830

CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1203.1	1207.3	1213.8	1220.8	1225.0	1233.1	1235.4	1239.3	1242.7	1250.8	1259.2
5°	1133.6	1140.3	1156.2	1164.9	1176.9	1190.8	1200.0	1209.7	1220.2	1238.5	1255.3
7.5°	1059.1	1070.4	1090.1	1106.3	1123.4	1143.4	1157.8	1176.9	1192.7	1218.4	1243.1
10°	1009.5	1025.3	1043.1	1062.3	1086.5	1107.6	1127.8	1151.9	1171.1	1201.9	1230.8
12.5°	964.8	967.2	992.7	1013.9	1046.8	1073.0	1096.3	1127.3	1146.1	1182.7	1213.1
15°	886.7	901.2	924.3	941.1	980.1	1013.3	1046.0	1078.3	1099.9	1145.1	1185.1
17.5°	821.0	834.3	858.0	885.6	913.6	946.6	988.9	1022.9	1052.3	1104.1	1151.3
20°	779.5	795.8	819.9	848.3	872.8	908.9	945.5	984.4	1016.2	1074.4	1129.7
22.5°	744.0	757.0	776.4	804.4	831.2	864.2	904.3	946.7	980.1	1042.8	1098.9
25°	694.3	704.9	717.4	740.5	770.8	806.9	838.2	884.9	933.4	992.1	1060.0
27.5°	649.4	657.0	668.1	688.3	711.8	745.6	780.3	824.6	873.5	937.2	1008.8
30°	622.2	627.0	638.0	654.9	678.0	704.4	739.5	781.8	831.9	896.4	967.6
32.5°	598.2	602.7	609.9	625.9	646.0	668.6	700.3	742.6	790.3	853.7	932.6
35°	562.5	565.8	572.1	585.0	596.2	618.3	644.7	683.2	728.0	788.6	870.4
37.5°	526.8	531.4	535.3	540.7	555.0	569.5	592.5	625.0	668.9	730.1	808.0
40°	503.3	507.1	512.9	515.3	526.9	539.9	558.6	588.4	632.7	688.5	764.6
42.5°	479.4	483.2	486.7	489.6	499.5	511.0	527.8	553.5	592.7	647.0	722.2
45°	447.0	447.4	450.8	456.1	460.9	469.1	481.2	503.3	533.6	584.6	652.9
47.5°	414.1	414.6	415.2	417.5	422.8	430.3	438.2	456.2	483.3	524.1	590.6
50°	392.1	391.2	392.1	394.1	397.5	403.7	412.8	425.8	448.0	486.0	547.1
52.5°	371.0	370.8	370.2	371.0	373.5	377.9	384.4	395.4	415.2	450.2	504.0
55°	338.7	336.3	336.8	334.9	339.2	340.2	345.0	354.1	371.5	395.5	446.0
57.5°	304.3	302.4	300.2	299.6	299.3	301.9	305.8	312.9	326.2	347.3	388.3
60°	282.5	280.0	277.1	276.2	276.2	277.6	279.6	284.8	297.4	316.1	349.8
62.5°	260.1	257.3	255.6	253.1	252.3	253.7	255.7	259.5	268.4	286.1	315.2
65°	225.6	222.3	219.9	219.4	218.5	217.0	217.9	221.8	229.0	243.0	266.1
67.5°	191.1	187.9	187.4	184.5	183.2	183.4	183.2	186.5	190.9	202.8	220.1
70°	168.4	166.0	165.0	162.6	161.6	160.7	159.8	162.6	166.9	177.1	192.0
72.5°	145.3	143.3	141.2	139.1	139.3	138.4	138.2	139.9	143.5	152.8	164.3
75°	112.1	112.6	110.2	107.7	107.3	106.3	106.3	107.7	109.2	116.4	125.5
77.5°	81.3	81.0	78.9	78.1	77.7	76.6	77.7	78.6	79.4	84.2	91.0
80°	62.1	62.1	59.7	59.7	59.2	57.8	59.2	58.2	60.1	64.9	69.7
82.5°	44.4	43.5	43.5	42.7	42.6	41.6	42.2	43.2	44.0	47.2	50.1
85°	21.7	21.7	21.2	20.7	21.2	20.7	21.2	21.7	22.1	23.6	26.0
87.5°	8.3	8.8	8.7	8.5	7.9	7.8	7.8	7.9	8.4	8.5	8.6
90°	18.6	18.9	16.2	13.6	10.9	8.3	6.3	4.8	3.4	2.0	0.6
92.5°	17.2	17.1	16.5	15.8	15.3	14.6	13.8	12.7	11.7	10.7	9.6
95°	34.4	34.4	34.1	33.9	33.6	33.5	32.7	31.6	30.3	29.1	28.0
97.5°	57.9	57.9	57.4	56.9	56.5	56.0	55.2	54.2	53.2	52.1	51.1
100°	74.2	74.2	73.8	73.4	73.1	72.8	72.1	71.2	70.1	69.2	68.2
102.5°	91.9	91.8	91.3	90.9	90.5	90.0	89.4	88.6	87.8	87.1	86.3
105°	118.5	118.3	118.0	117.7	117.5	117.3	117.0	116.6	116.3	115.9	115.6
107.5°	147.5	147.4	147.4	147.4	147.4	147.4	147.1	146.6	146.1	145.5	145.1
110°	167.1	167.1	167.1	167.1	167.1	167.1	166.8	166.1	165.3	164.7	163.9



TEST NUMBER: P331340-830

CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	187.1	187.4	187.5	187.6	187.7	187.8	187.5	186.7	186.0	185.3	184.5
115°	217.1	217.2	217.4	217.6	217.8	218.1	217.8	217.2	216.4	215.7	215.0
117.5°	246.3	246.6	247.2	247.9	248.6	249.3	249.1	248.2	247.2	246.3	245.3
120°	265.5	265.5	266.5	267.4	268.3	269.4	269.4	268.3	267.4	266.5	265.5
122.5°	285.9	286.2	286.8	287.5	288.1	288.8	288.6	287.5	286.3	285.1	284.0
125°	315.7	316.0	316.4	316.8	317.1	317.4	317.1	316.0	315.0	313.9	312.8
127.5°	344.6	345.1	345.5	345.9	346.4	346.8	346.3	345.0	343.6	342.2	340.8
130°	364.2	364.4	364.7	364.9	365.1	365.3	364.7	363.2	361.6	360.1	358.5
132.5°	383.7	384.2	384.2	384.1	384.1	384.0	383.3	382.1	380.8	379.6	378.2
135°	411.6	411.7	411.5	411.2	410.9	410.8	410.0	408.7	407.4	406.0	404.7
137.5°	438.7	438.8	438.5	438.2	437.9	437.5	436.9	435.8	434.7	433.7	432.5
140°	456.9	456.9	456.3	455.6	455.1	454.5	453.6	452.5	451.5	450.4	449.3
142.5°	473.3	473.2	472.8	472.4	472.0	471.6	470.8	469.8	468.7	467.6	466.6
145°	498.3	498.2	497.6	496.8	496.1	495.4	494.6	493.8	492.9	492.1	491.3
147.5°	520.2	520.0	519.4	519.0	518.5	518.0	517.3	516.3	515.3	514.3	513.3
150°	534.0	533.8	533.2	532.7	532.3	531.8	531.2	530.5	529.8	529.0	528.4
152.5°	547.9	547.5	546.9	546.3	545.7	545.2	544.5	543.8	543.1	542.4	541.7
155°	565.5	564.9	564.5	564.2	563.8	563.5	563.1	562.7	562.4	562.0	561.7
157.5°	581.6	580.8	580.6	580.4	580.1	579.9	579.8	579.5	579.2	579.0	578.7
160°	591.4	590.7	590.6	590.4	590.3	590.2	590.0	589.7	589.6	589.3	589.1
162.5°	600.1	599.3	599.2	599.1	598.9	598.8	598.7	598.7	598.6	598.6	598.5
165°	611.4	610.6	610.6	610.6	610.6	610.6	610.7	610.8	610.9	611.0	611.1
167.5°	620.8	619.9	619.9	620.0	620.0	620.0	620.2	620.6	620.9	621.3	621.6
170°	625.9	625.1	625.2	625.3	625.5	625.6	625.8	626.1	626.5	626.9	627.3
172.5°	629.8	629.0	629.1	629.2	629.3	629.4	629.7	630.0	630.4	630.7	631.1
175°	634.0	633.1	633.4	633.7	633.9	634.1	634.4	634.8	635.1	635.5	635.8
177.5°	636.2	635.7	635.8	636.0	636.2	636.4	636.6	636.9	637.2	637.4	637.8
180°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9



TEST NUMBER: P331340-830

CATALOG NUMBER: SA2XXDIP-C675D530U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1258.5	1260.5	1266.6	1272.7	1279.7	1281.6	1284.7	1282.0	1281.2	1288.5	1293.9
5°	1262.1	1270.7	1287.6	1303.0	1316.0	1325.1	1334.7	1338.6	1345.8	1355.8	1368.4
7.5°	1258.0	1274.9	1301.4	1323.7	1348.2	1365.8	1379.6	1391.3	1405.5	1424.7	1445.6
10°	1253.4	1276.0	1308.2	1335.7	1365.5	1388.1	1406.9	1425.1	1446.3	1472.8	1500.2
12.5°	1244.9	1271.8	1312.1	1344.5	1382.8	1405.0	1430.4	1469.8	1492.5	1529.4	1568.0
15°	1227.9	1257.7	1314.0	1354.0	1397.2	1439.6	1486.3	1523.8	1561.3	1583.0	1637.4
17.5°	1202.6	1246.4	1308.7	1355.3	1410.3	1477.1	1529.5	1572.0	1615.3	1650.5	1677.7
20°	1182.2	1229.8	1301.0	1356.9	1422.3	1493.9	1554.2	1597.4	1634.9	1664.3	1681.1
22.5°	1156.4	1216.4	1285.6	1351.0	1434.6	1505.5	1568.8	1602.8	1634.2	1648.5	1655.0
25°	1115.8	1188.0	1266.4	1346.2	1440.6	1515.6	1573.4	1594.0	1603.2	1589.2	1566.1
27.5°	1072.0	1152.4	1244.2	1337.2	1436.9	1509.1	1550.5	1547.2	1531.7	1486.6	1450.5
30°	1039.2	1127.8	1226.4	1327.9	1428.0	1498.3	1522.4	1498.3	1463.2	1412.7	1361.2
32.5°	1005.0	1096.6	1207.6	1314.8	1411.9	1473.7	1478.8	1437.5	1383.1	1325.7	1261.5
35°	953.2	1052.3	1172.1	1285.6	1377.5	1416.5	1393.5	1320.3	1255.8	1177.4	1089.8
37.5°	894.6	1004.0	1124.2	1242.8	1326.1	1336.2	1278.9	1201.9	1111.0	1018.8	915.8
40°	850.6	966.7	1090.3	1210.1	1283.7	1273.1	1200.0	1115.3	1007.0	894.5	798.7
42.5°	811.4	927.4	1053.3	1170.8	1229.8	1200.8	1115.3	1011.3	895.0	789.0	701.3
45°	743.4	862.7	991.6	1105.2	1138.9	1086.5	973.4	857.9	743.4	654.9	585.6
47.5°	677.4	795.3	923.0	1022.8	1034.7	964.2	840.7	721.8	623.4	551.3	502.4
50°	628.9	747.2	873.7	962.8	958.9	873.7	746.8	633.7	551.4	493.1	460.4
52.5°	585.4	697.2	818.7	899.7	879.3	786.4	665.2	564.8	497.1	451.6	422.0
55°	517.7	621.1	736.6	801.6	764.0	661.1	558.6	477.8	427.7	393.6	370.5
57.5°	450.5	547.5	646.4	686.5	645.0	549.9	464.4	405.8	368.2	342.9	327.8
60°	409.0	493.7	581.7	616.3	566.8	482.1	414.7	362.3	332.0	311.3	297.8
62.5°	367.4	443.3	526.3	545.2	499.8	428.2	368.5	325.0	300.0	281.6	269.0
65°	310.9	372.9	435.9	448.5	406.6	351.3	304.1	275.7	253.5	240.1	230.0
67.5°	255.0	304.7	349.4	359.5	322.8	284.5	250.4	225.6	210.7	199.4	191.0
70°	221.8	261.3	297.8	306.0	276.6	242.5	216.5	196.8	183.3	173.7	165.5
72.5°	186.8	219.7	250.1	255.6	231.6	205.6	184.2	168.7	156.7	150.6	142.8
75°	142.9	162.1	185.7	187.2	171.3	155.4	139.0	128.9	122.7	115.0	111.1
77.5°	100.9	115.9	129.4	132.1	122.6	111.8	102.6	94.7	89.4	85.9	82.3
80°	77.0	89.0	94.8	98.1	91.4	83.7	78.4	73.1	69.7	67.4	64.9
82.5°	55.0	62.5	67.9	70.4	66.8	62.2	56.8	53.9	51.3	49.3	48.4
85°	27.9	31.3	34.7	35.6	34.7	32.7	29.8	29.8	28.4	27.9	27.9
87.5°	10.0	11.9	12.2	13.6	13.2	13.8	14.2	14.4	14.5	14.1	13.7
90°	2.0	3.4	4.8	6.3	8.3	10.9	13.6	16.2	18.9	18.6	18.4
92.5°	10.7	11.7	12.7	13.8	14.6	15.3	15.8	16.5	17.1	17.2	17.2
95°	29.1	30.3	31.6	32.7	33.5	33.6	33.9	34.1	34.4	34.4	34.4
97.5°	52.1	53.2	54.2	55.2	56.0	56.5	56.9	57.4	57.9	57.9	57.9
100°	69.2	70.1	71.2	72.1	72.8	73.1	73.4	73.8	74.2	74.2	74.2
102.5°	87.1	87.8	88.6	89.4	90.0	90.5	90.9	91.3	91.8	91.9	92.0
105°	115.9	116.3	116.6	117.0	117.3	117.5	117.7	118.0	118.3	118.5	118.8
107.5°	145.5	146.1	146.6	147.1	147.4	147.4	147.4	147.4	147.4	147.5	147.6
110°	164.7	165.3	166.1	166.8	167.1	167.1	167.1	167.1	167.1	167.1	167.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	185.3	186.0	186.7	187.5	187.8	187.7	187.6	187.5	187.4	187.1	186.8
115°	215.7	216.4	217.2	217.8	218.1	217.8	217.6	217.4	217.2	217.1	216.9
117.5°	246.3	247.2	248.2	249.1	249.3	248.6	247.9	247.2	246.6	246.3	246.0
120°	266.5	267.4	268.3	269.4	269.4	268.3	267.4	266.5	265.5	265.5	265.5
122.5°	285.1	286.3	287.5	288.6	288.8	288.1	287.5	286.8	286.2	285.9	285.6
125°	313.9	315.0	316.0	317.1	317.4	317.1	316.8	316.4	316.0	315.7	315.3
127.5°	342.2	343.6	345.0	346.3	346.8	346.4	345.9	345.5	345.1	344.6	344.2
130°	360.1	361.6	363.2	364.7	365.3	365.1	364.9	364.7	364.4	364.2	363.9
132.5°	379.6	380.8	382.1	383.3	384.0	384.1	384.1	384.2	384.2	383.7	383.1
135°	406.0	407.4	408.7	410.0	410.8	410.9	411.2	411.5	411.7	411.6	411.5
137.5°	433.7	434.7	435.8	436.9	437.5	437.9	438.2	438.5	438.8	438.7	438.6
140°	450.4	451.5	452.5	453.6	454.5	455.1	455.6	456.3	456.9	456.9	456.9
142.5°	467.6	468.7	469.8	470.8	471.6	472.0	472.4	472.8	473.2	473.3	473.3
145°	492.1	492.9	493.8	494.6	495.4	496.1	496.8	497.6	498.2	498.3	498.5
147.5°	514.3	515.3	516.3	517.3	518.0	518.5	519.0	519.4	520.0	520.2	520.5
150°	529.0	529.8	530.5	531.2	531.8	532.3	532.7	533.2	533.8	534.0	534.4
152.5°	542.4	543.1	543.8	544.5	545.2	545.7	546.3	546.9	547.5	547.9	548.4
155°	562.0	562.4	562.7	563.1	563.5	563.8	564.2	564.5	564.9	565.5	566.1
157.5°	579.0	579.2	579.5	579.8	579.9	580.1	580.4	580.6	580.8	581.6	582.4
160°	589.3	589.6	589.7	590.0	590.2	590.3	590.4	590.6	590.7	591.4	592.1
162.5°	598.6	598.6	598.7	598.7	598.8	598.9	599.1	599.2	599.3	600.1	600.9
165°	611.0	610.9	610.8	610.7	610.6	610.6	610.6	610.6	610.6	611.4	612.3
167.5°	621.3	620.9	620.6	620.2	620.0	620.0	620.0	619.9	619.9	620.8	621.6
170°	626.9	626.5	626.1	625.8	625.6	625.5	625.3	625.2	625.1	625.9	626.8
172.5°	630.7	630.4	630.0	629.7	629.4	629.3	629.2	629.1	629.0	629.8	630.7
175°	635.5	635.1	634.8	634.4	634.1	633.9	633.7	633.4	633.1	634.0	634.8
177.5°	637.4	637.2	636.9	636.6	636.4	636.2	636.0	635.8	635.7	636.2	636.8
180°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1298.5	1303.9	1303.9	1304.7	1310.9	1310.0	1309.7
5°	1381.9	1390.1	1391.0	1399.7	1405.4	1403.5	1398.3
7.5°	1460.5	1475.7	1487.2	1493.6	1501.3	1506.0	1503.9
10°	1522.9	1545.0	1558.5	1567.6	1578.7	1586.9	1583.9
12.5°	1579.4	1605.8	1624.3	1639.9	1641.4	1651.9	1644.7
15°	1667.6	1695.5	1698.5	1710.1	1719.2	1718.2	1718.6
17.5°	1696.9	1705.8	1707.6	1707.9	1708.0	1704.6	1697.3
20°	1686.4	1683.1	1674.9	1668.7	1657.6	1656.1	1646.5
22.5°	1637.2	1626.5	1606.0	1592.4	1575.2	1570.7	1568.0
25°	1540.2	1516.6	1483.8	1452.6	1444.0	1427.1	1431.9
27.5°	1407.1	1370.4	1334.9	1309.5	1286.5	1261.3	1268.5
30°	1313.5	1272.1	1222.1	1183.6	1159.1	1135.0	1130.7
32.5°	1201.9	1141.3	1085.4	1051.6	1014.0	998.8	982.1
35°	1009.5	950.3	894.9	847.3	819.9	798.7	779.5
37.5°	836.3	768.2	723.6	684.9	665.2	653.0	656.1
40°	729.0	669.3	636.6	607.2	588.9	580.2	582.2
42.5°	642.0	597.3	570.3	550.3	537.3	532.5	531.4
45°	543.2	518.2	496.1	484.6	478.2	473.0	469.6
47.5°	475.9	455.4	443.0	436.1	430.6	425.3	425.2
50°	435.5	422.0	413.3	406.0	401.8	397.9	401.2
52.5°	404.6	392.3	383.7	377.2	375.6	372.1	372.0
55°	358.9	349.3	343.1	337.2	334.4	332.4	330.1
57.5°	317.4	308.2	302.5	298.8	293.3	291.3	290.6
60°	287.8	280.5	274.8	269.9	267.5	263.6	263.6
62.5°	260.4	253.2	247.8	244.1	240.2	238.7	239.0
65°	220.8	215.1	209.8	205.9	205.0	202.1	203.0
67.5°	184.5	180.6	175.0	173.0	171.1	169.6	168.4
70°	160.2	156.4	153.4	150.6	149.1	149.1	149.1
72.5°	139.8	135.2	133.5	129.8	130.6	129.1	127.6
75°	108.3	105.4	104.0	102.5	100.1	100.1	100.1
77.5°	79.6	78.8	77.1	75.5	74.9	74.5	74.6
80°	61.5	61.1	60.1	60.1	59.2	58.7	57.8
82.5°	47.3	46.1	45.5	45.1	45.0	44.9	44.7
85°	27.0	26.0	26.0	26.5	25.5	25.5	26.0
87.5°	14.0	13.9	13.6	13.6	14.0	13.7	13.7
90°	18.1	17.8	17.8	17.9	18.0	18.2	18.3
92.5°	17.2	17.2	17.3	17.3	17.3	17.4	17.4
95°	34.4	34.4	34.3	34.0	33.8	33.6	33.4
97.5°	57.9	57.9	57.8	57.8	57.8	57.8	57.7
100°	74.2	74.2	74.1	74.0	73.9	73.8	73.6
102.5°	92.1	92.2	92.2	92.1	91.9	91.8	91.7
105°	118.9	119.2	119.3	119.3	119.3	119.3	119.3
107.5°	147.7	147.8	147.5	146.9	146.5	145.9	145.3
110°	167.1	167.1	167.0	166.6	166.3	165.9	165.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	186.5	186.2	186.0	185.7	185.4	185.1	184.9
115°	216.8	216.7	216.4	216.0	215.7	215.4	215.0
117.5°	245.7	245.4	245.2	244.8	244.4	244.0	243.6
120°	265.5	265.5	265.3	264.9	264.7	264.3	263.9
122.5°	285.3	285.0	284.7	284.5	284.2	284.0	283.7
125°	315.0	314.6	314.3	314.2	314.1	314.0	313.9
127.5°	343.7	343.4	342.9	342.5	342.1	341.8	341.4
130°	363.7	363.4	363.1	362.6	362.1	361.7	361.2
132.5°	382.6	382.1	381.6	381.3	380.9	380.5	380.1
135°	411.3	411.2	410.9	410.7	410.3	409.9	409.5
137.5°	438.5	438.4	438.1	437.6	437.2	436.7	436.2
140°	456.9	456.9	456.7	456.1	455.6	455.2	454.7
142.5°	473.4	473.5	473.3	472.9	472.4	471.9	471.5
145°	498.6	498.7	498.5	498.0	497.6	497.1	496.6
147.5°	520.8	521.0	520.9	520.5	520.0	519.5	519.1
150°	534.8	535.2	535.2	534.8	534.4	534.0	533.8
152.5°	548.8	549.3	549.3	548.8	548.4	547.9	547.5
155°	566.7	567.3	567.4	567.0	566.7	566.3	566.0
157.5°	583.2	584.1	584.2	583.6	583.1	582.5	581.8
160°	592.9	593.5	593.7	593.2	592.8	592.2	591.7
162.5°	601.7	602.6	602.7	602.1	601.5	601.0	600.4
165°	613.1	613.9	614.1	613.4	612.8	612.3	611.6
167.5°	622.5	623.3	623.4	622.7	622.2	621.5	620.9
170°	627.6	628.4	628.5	627.7	627.1	626.3	625.7
172.5°	631.5	632.3	632.4	631.7	630.9	630.2	629.5
175°	635.7	636.5	636.6	635.8	635.1	634.4	633.7
177.5°	637.3	637.9	637.9	637.3	636.8	636.2	635.7
180°	636.9	636.9	636.9	636.9	636.9	636.9	636.9

(END OF REPORT)