

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: P331526-940

Luminaire Tested: **S122DIW-S675D435U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331526-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D435U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 435 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3953.6 lumens
Efficiency: N/A
Efficacy: 104.9 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

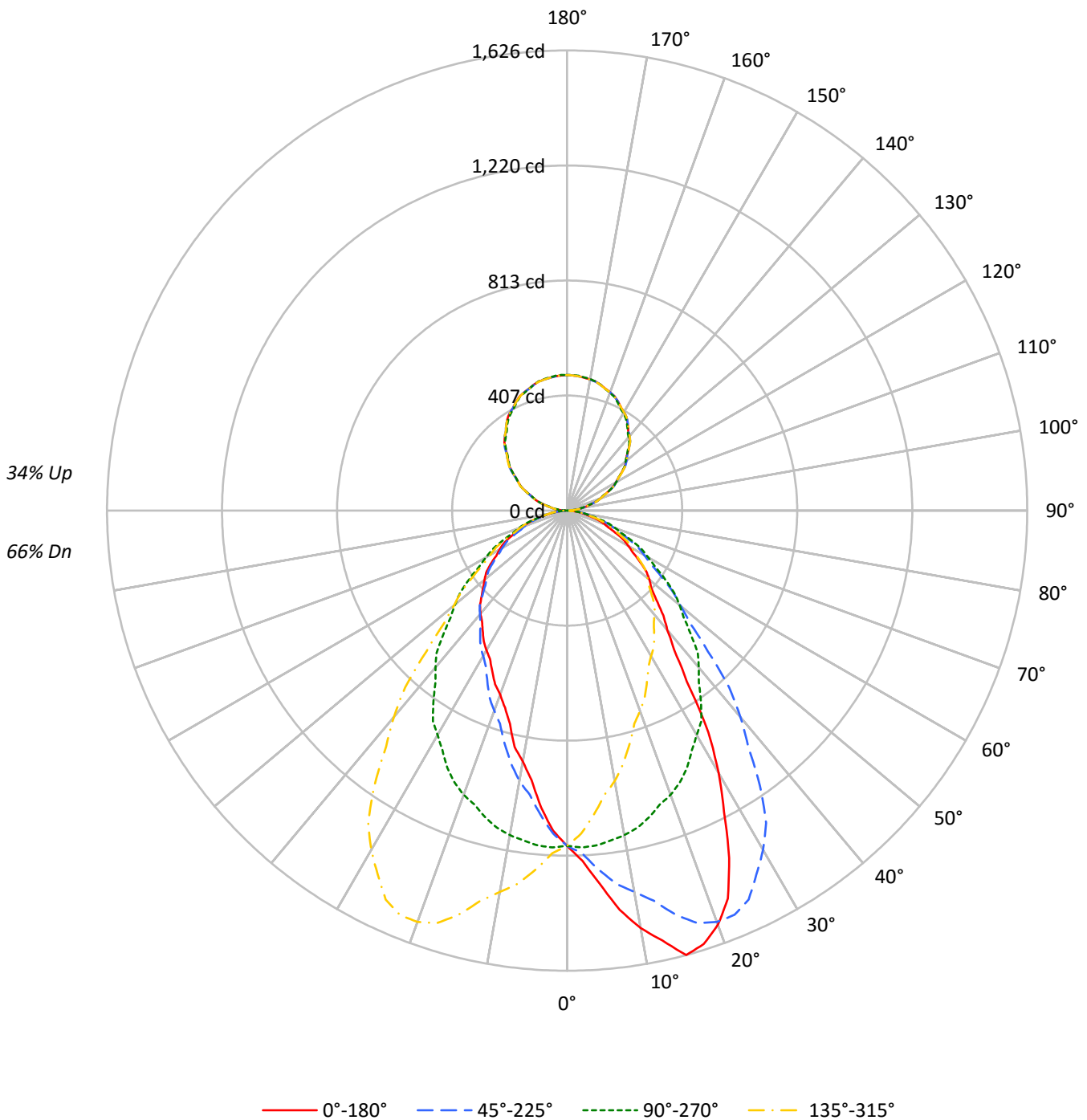
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	98	94	91	96	92	89	86	82	80	77	72	71	69	64	62	61	57
2	93	86	80	75	88	81	76	72	73	69	65	64	61	59	57	55	53	49
3	86	76	69	63	80	72	66	61	65	60	55	58	54	50	51	48	45	42
4	79	68	60	54	74	65	58	52	58	52	48	52	47	44	46	43	40	37
5	73	61	53	47	68	58	51	45	52	46	42	47	42	38	42	38	35	32
6	67	55	47	41	63	53	45	40	47	41	37	43	38	34	38	34	31	29
7	62	50	42	37	59	48	41	35	43	37	33	39	34	30	35	31	28	26
8	58	46	38	33	55	44	37	32	40	34	30	36	31	27	32	28	25	23
9	54	42	35	30	51	40	33	29	37	31	27	33	28	25	30	26	23	21
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19125	19125	19125	19125
5°	21441	19248	17057	19248
10°	24568	19090	14762	19090
15°	27178	18740	13041	18740
20°	26764	18364	11888	18364
25°	24134	17865	11158	17865
30°	19943	17066	10625	17066
35°	14534	16232	10247	16232
40°	11609	15247	10037	15247
45°	10145	14104	9750	14104
50°	9535	12999	9560	12999
55°	8791	11879	9303	11879
60°	8054	10685	8909	10685
65°	7339	9616	8520	9616
70°	6661	8573	7950	8573
75°	5908	7411	7043	7411
80°	5086	6137	5672	6137
85°	4557	4557	3372	4557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	2.9
10°-20°	327.9	8.3
20°-30°	475.9	12.0
30°-40°	502.2	12.7
40°-50°	444.7	11.2
50°-60°	354.9	9.0
60°-70°	241.2	6.1
70°-80°	123.7	3.1
80°-90°	31.7	0.8
90°-100°	30.3	0.8
100°-110°	94.2	2.4
110°-120°	161.0	4.1
120°-130°	211.8	5.4
130°-140°	237.7	6.0
140°-150°	233.1	5.9
150°-160°	195.5	4.9
160°-170°	129.7	3.3
170°-180°	45.3	1.1
0°-30°	916.7	23.2
0°-40°	1418.9	35.9
0°-60°	2218.4	56.1
0°-90°	2615.0	66.1
90°-120°	285.6	7.2
90°-150°	968.1	24.5
90°-180°	1339.0	33.9
0°-180°	3953.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1184	1184	1184	1184	1184	
5°	1323	1188	1052	1188	1323	132
15°	1626	1121	780	1121	1626	449
25°	1355	1003	626	1003	1355	612
35°	737	824	520	824	737	480
45°	444	618	427	618	444	349
55°	312	422	330	422	312	280
65°	192	252	223	252	192	191
75°	95	119	113	119	95	101
85°	25	25	18	25	25	27
90°	14	0	14	0	14	7
95°	25	21	25	21	25	28
105°	90	87	90	87	90	94
115°	162	162	162	162	162	160
125°	236	235	236	235	236	210
135°	308	304	308	304	308	237
145°	373	369	373	369	373	233
155°	425	422	425	422	425	196
165°	460	459	460	459	460	130
175°	476	478	476	478	476	45
180°	479	479	479	479	479	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1239.0	1239.4	1240.2	1234.3	1233.6	1233.6	1228.5	1224.1	1219.1	1212.1	1212.8
5°	1322.9	1327.8	1329.6	1324.2	1316.0	1315.1	1307.3	1294.6	1282.7	1273.2	1266.4
7.5°	1422.8	1424.8	1420.3	1413.1	1407.0	1396.2	1381.7	1367.6	1347.8	1329.7	1316.3
10°	1498.5	1501.3	1493.5	1483.1	1474.4	1461.7	1440.7	1419.3	1393.4	1368.3	1348.3
12.5°	1556.0	1562.8	1552.9	1551.5	1536.7	1519.2	1494.2	1483.5	1446.9	1412.0	1390.5
15°	1625.9	1625.5	1626.5	1617.8	1606.9	1604.1	1577.7	1549.1	1497.6	1477.1	1441.6
17.5°	1605.8	1612.7	1615.9	1615.8	1615.5	1613.8	1605.3	1587.2	1561.5	1528.2	1487.2
20°	1557.7	1566.8	1568.2	1578.7	1584.6	1592.3	1595.4	1590.5	1574.6	1546.8	1511.3
22.5°	1483.5	1485.9	1490.2	1506.5	1519.4	1538.7	1548.9	1565.8	1559.6	1546.0	1516.4
25°	1354.7	1350.1	1366.1	1374.2	1403.8	1434.8	1457.1	1481.7	1503.5	1516.7	1508.1
27.5°	1200.1	1193.3	1217.1	1238.9	1262.9	1296.5	1331.2	1372.3	1406.4	1449.1	1463.7
30°	1069.7	1073.8	1096.6	1119.8	1156.2	1203.5	1242.7	1287.8	1336.5	1384.3	1417.5
32.5°	929.2	944.9	959.3	994.9	1026.9	1079.8	1137.1	1193.5	1254.2	1308.5	1359.9
35°	737.4	755.6	775.7	801.6	846.7	899.0	955.0	1031.0	1113.9	1188.1	1249.1
37.5°	620.7	617.8	629.3	648.0	684.6	726.7	791.2	866.4	963.9	1051.1	1137.1
40°	550.8	548.9	557.1	574.4	602.3	633.2	689.6	755.6	846.2	952.7	1055.2
42.5°	502.7	503.8	508.4	520.6	539.6	565.1	607.3	663.5	746.5	846.8	956.8
45°	444.3	447.5	452.5	458.4	469.3	490.3	513.9	554.0	619.6	703.3	811.6
47.5°	402.3	402.3	407.4	412.6	419.1	430.9	450.2	475.3	521.6	589.8	682.9
50°	379.6	376.5	380.1	384.1	391.0	399.2	412.0	435.6	466.5	521.7	599.5
52.5°	352.0	352.0	355.3	356.9	363.0	371.1	382.8	399.2	427.2	470.3	534.3
55°	312.3	314.5	316.4	319.1	324.6	330.5	339.6	350.5	372.4	404.7	452.0
57.5°	274.9	275.6	277.5	282.7	286.1	291.6	300.2	310.1	324.4	348.3	383.9
60°	249.4	249.4	253.1	255.4	259.9	265.4	272.2	281.8	294.5	314.1	342.8
62.5°	226.1	225.8	227.2	231.0	234.4	239.5	246.4	254.5	266.4	283.8	307.5
65°	192.1	191.2	193.9	194.8	198.5	203.5	208.9	217.6	227.1	239.9	260.8
67.5°	159.3	160.4	161.8	163.6	165.6	170.9	174.5	180.7	188.7	199.3	213.5
70°	141.1	141.1	141.1	142.5	145.2	147.9	151.6	156.6	164.3	173.4	186.2
72.5°	120.7	122.2	123.6	122.8	126.3	127.9	132.2	135.1	142.5	148.3	159.6
75°	94.7	94.7	94.7	96.9	98.4	99.7	102.5	105.1	108.8	116.1	122.0
77.5°	70.6	70.4	70.9	71.4	72.9	74.5	75.3	77.8	81.2	84.5	89.6
80°	54.7	55.6	56.0	56.9	56.9	57.8	58.2	61.4	63.8	66.0	69.2
82.5°	42.3	42.4	42.5	42.7	43.1	43.6	44.8	45.8	46.6	48.5	51.0
85°	24.6	24.2	24.2	25.1	24.6	24.6	25.5	26.4	26.4	26.8	28.2
87.5°	12.2	12.2	12.6	12.1	12.1	12.5	12.6	12.2	12.7	13.0	13.0
90°	13.7	13.6	13.6	13.5	13.4	13.5	13.6	13.8	14.0	14.2	12.1
92.5°	13.1	13.1	13.0	13.0	13.0	13.0	12.9	12.9	12.8	12.8	12.4
95°	25.1	25.2	25.4	25.6	25.8	25.9	25.9	25.9	25.9	25.9	25.7
97.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.2
100°	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.5
102.5°	68.9	69.0	69.1	69.2	69.3	69.3	69.2	69.1	69.1	69.0	68.7
105°	89.7	89.7	89.7	89.7	89.7	89.6	89.4	89.3	89.1	88.9	88.7
107.5°	109.2	109.7	110.0	110.5	110.9	111.1	111.0	110.9	110.8	110.8	110.8
110°	124.4	124.7	124.9	125.2	125.5	125.6	125.6	125.6	125.6	125.6	125.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	139.0	139.2	139.4	139.6	139.7	140.0	140.2	140.4	140.6	140.8	140.9
115°	161.6	161.8	162.1	162.4	162.6	162.8	162.9	163.0	163.1	163.2	163.4
117.5°	183.2	183.4	183.7	184.0	184.2	184.5	184.7	184.9	185.1	185.4	185.8
120°	198.4	198.7	198.9	199.2	199.5	199.6	199.6	199.6	199.6	199.6	200.3
122.5°	213.2	213.4	213.7	213.8	214.0	214.2	214.5	214.6	214.9	215.1	215.6
125°	235.9	236.0	236.1	236.2	236.3	236.5	236.7	237.0	237.3	237.6	237.8
127.5°	256.6	256.9	257.2	257.4	257.8	258.1	258.4	258.7	259.0	259.4	259.7
130°	271.5	271.9	272.2	272.6	273.0	273.2	273.4	273.6	273.8	273.9	274.1
132.5°	285.7	286.0	286.2	286.6	286.9	287.2	287.6	288.0	288.4	288.7	288.7
135°	307.8	308.1	308.4	308.6	308.9	309.1	309.2	309.2	309.3	309.4	309.2
137.5°	327.9	328.2	328.6	329.0	329.3	329.6	329.6	329.7	329.8	329.8	329.6
140°	341.8	342.1	342.5	342.9	343.2	343.4	343.4	343.4	343.4	343.4	343.0
142.5°	354.4	354.7	355.1	355.4	355.8	356.0	355.9	355.8	355.8	355.7	355.3
145°	373.3	373.6	374.0	374.3	374.7	374.9	374.8	374.7	374.6	374.5	374.0
147.5°	390.2	390.5	390.8	391.2	391.6	391.6	391.5	391.2	391.0	390.8	390.5
150°	401.2	401.4	401.7	402.0	402.3	402.3	402.0	401.7	401.4	401.2	400.8
152.5°	411.5	411.9	412.1	412.5	412.9	412.9	412.5	412.1	411.9	411.5	411.1
155°	425.4	425.7	426.0	426.2	426.5	426.4	426.0	425.5	425.1	424.6	424.4
157.5°	437.4	437.8	438.2	438.6	439.1	439.0	438.4	437.7	437.2	436.6	436.4
160°	444.8	445.1	445.5	445.9	446.2	446.1	445.6	445.1	444.5	444.0	443.9
162.5°	451.3	451.7	452.1	452.5	453.0	452.9	452.3	451.7	451.0	450.5	450.4
165°	459.8	460.2	460.7	461.1	461.5	461.5	460.8	460.2	459.6	459.0	459.0
167.5°	466.7	467.2	467.6	468.1	468.6	468.5	467.9	467.3	466.6	466.0	466.0
170°	470.3	470.8	471.4	471.9	472.4	472.3	471.7	471.1	470.5	469.8	469.9
172.5°	473.1	473.7	474.2	474.7	475.3	475.3	474.7	474.0	473.4	472.8	472.9
175°	476.4	476.9	477.4	478.0	478.5	478.4	477.8	477.2	476.5	475.9	476.1
177.5°	477.8	478.2	478.7	479.0	479.5	479.5	479.0	478.7	478.2	477.8	477.9
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1215.4	1212.5	1210.7	1204.1	1198.3	1192.5	1190.6	1191.3	1183.4	1175.7	1172.4
5°	1262.8	1253.7	1245.0	1232.7	1218.2	1202.2	1194.0	1187.6	1171.7	1154.4	1144.4
7.5°	1305.2	1292.2	1275.5	1252.3	1231.2	1206.1	1190.2	1176.1	1152.7	1128.4	1113.4
10°	1331.1	1313.2	1291.8	1263.6	1237.7	1207.2	1185.8	1164.4	1137.1	1108.0	1089.8
12.5°	1353.3	1329.3	1308.2	1272.0	1241.4	1203.2	1177.8	1147.6	1118.9	1084.3	1066.5
15°	1406.1	1362.0	1321.9	1280.9	1243.1	1189.9	1161.7	1121.1	1083.3	1040.6	1020.1
17.5°	1447.0	1397.4	1334.3	1282.2	1238.1	1179.2	1137.7	1089.2	1044.6	995.6	967.8
20°	1470.3	1413.4	1345.6	1283.7	1230.8	1163.5	1118.5	1068.8	1016.5	961.4	931.3
22.5°	1484.2	1424.3	1357.3	1278.2	1216.3	1150.8	1094.0	1039.6	986.6	927.2	895.6
25°	1488.5	1433.9	1362.9	1273.6	1198.1	1123.9	1055.6	1002.8	938.6	883.1	837.1
27.5°	1466.9	1427.7	1359.4	1265.1	1177.1	1090.3	1014.2	954.4	886.6	826.3	780.2
30°	1440.3	1417.5	1351.0	1256.3	1160.3	1067.0	983.2	915.4	848.0	787.0	739.7
32.5°	1399.1	1394.2	1335.8	1243.9	1142.5	1037.5	950.8	882.3	807.6	747.7	702.6
35°	1318.3	1340.2	1303.2	1216.3	1108.8	995.5	901.8	823.5	746.1	688.8	646.4
37.5°	1210.0	1264.2	1254.5	1175.8	1063.5	949.9	846.3	764.5	690.7	632.8	591.3
40°	1135.2	1204.4	1214.5	1144.9	1031.5	914.5	804.8	723.4	651.4	598.6	556.7
42.5°	1055.2	1136.0	1163.5	1107.7	996.5	877.4	767.7	683.2	612.1	560.7	523.6
45°	920.9	1027.9	1077.5	1045.6	938.2	816.2	703.3	617.7	553.0	504.8	476.2
47.5°	795.3	912.2	978.9	967.7	873.3	752.4	640.9	558.7	495.8	457.3	431.6
50°	706.5	826.6	907.2	910.9	826.6	706.9	594.9	517.5	459.8	423.8	402.9
52.5°	629.3	744.0	831.9	851.1	774.5	659.6	553.8	476.8	425.9	392.8	374.1
55°	528.5	625.4	722.8	758.4	696.9	587.6	489.8	422.0	374.2	351.4	335.0
57.5°	439.3	520.2	610.2	649.4	611.5	518.0	426.2	367.4	328.6	308.6	296.0
60°	392.4	456.1	536.2	583.1	550.4	467.1	386.9	330.9	299.1	281.3	269.5
62.5°	348.7	405.1	472.9	515.8	497.9	419.4	347.6	298.2	270.6	254.0	245.5
65°	287.7	332.3	384.7	424.3	412.4	352.8	294.1	251.7	229.9	216.7	209.8
67.5°	236.9	269.1	305.4	340.1	330.6	288.3	241.2	208.2	191.9	180.6	176.5
70°	204.8	229.4	261.7	289.5	281.8	247.2	209.8	181.6	167.6	157.9	153.8
72.5°	174.2	194.5	219.1	241.8	236.6	207.9	176.7	155.4	144.5	135.7	132.3
75°	131.5	147.0	162.0	177.1	175.7	153.4	135.2	118.8	110.1	103.3	101.9
77.5°	97.1	105.8	116.0	124.9	122.4	109.7	95.4	86.1	79.6	75.1	74.4
80°	74.2	79.2	86.5	92.8	89.7	84.2	72.9	66.0	61.4	56.9	55.1
82.5°	53.8	58.9	63.2	66.6	64.2	59.1	52.1	47.4	44.7	41.6	40.8
85°	28.2	30.9	32.8	33.7	32.8	29.6	26.4	24.6	22.3	21.0	20.5
87.5°	12.9	12.6	12.2	12.6	11.3	11.1	9.4	8.1	7.9	7.8	7.3
90°	10.2	8.2	6.2	4.7	3.7	2.6	1.5	0.4	1.5	2.6	3.7
92.5°	11.9	11.4	11.0	10.3	9.5	8.7	8.0	7.2	8.0	8.7	9.5
95°	25.5	25.3	25.1	24.6	23.7	22.8	21.9	21.0	21.9	22.8	23.7
97.5°	42.8	42.4	42.1	41.6	40.8	39.9	39.1	38.3	39.1	39.9	40.8
100°	55.2	54.9	54.7	54.2	53.5	52.7	52.0	51.3	52.0	52.7	53.5
102.5°	68.3	67.9	67.7	67.1	66.6	66.0	65.5	64.9	65.5	66.0	66.6
105°	88.5	88.4	88.2	87.9	87.7	87.4	87.1	86.9	87.1	87.4	87.7
107.5°	110.8	110.8	110.8	110.6	110.2	109.8	109.4	109.0	109.4	109.8	110.2
110°	125.6	125.6	125.6	125.4	124.8	124.3	123.8	123.2	123.8	124.3	124.8



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	141.0	141.1	141.2	140.9	140.4	139.8	139.3	138.8	139.3	139.8	140.4
115°	163.5	163.7	163.9	163.7	163.2	162.6	162.1	161.6	162.1	162.6	163.2
117.5°	186.4	186.9	187.3	187.3	186.5	185.8	185.1	184.4	185.1	185.8	186.5
120°	201.0	201.7	202.4	202.4	201.7	201.0	200.3	199.6	200.3	201.0	201.7
122.5°	216.1	216.6	217.1	217.0	216.1	215.2	214.4	213.5	214.4	215.2	216.1
125°	238.1	238.4	238.6	238.4	237.6	236.7	235.9	235.1	235.9	236.7	237.6
127.5°	260.0	260.4	260.6	260.3	259.3	258.2	257.3	256.2	257.3	258.2	259.3
130°	274.3	274.5	274.6	274.1	273.0	271.8	270.6	269.5	270.6	271.8	273.0
132.5°	288.7	288.6	288.6	288.1	287.2	286.2	285.3	284.4	285.3	286.2	287.2
135°	309.1	308.9	308.7	308.2	307.2	306.2	305.2	304.3	305.2	306.2	307.2
137.5°	329.4	329.1	328.9	328.3	327.5	326.7	325.9	325.1	325.9	326.7	327.5
140°	342.5	342.1	341.6	341.0	340.2	339.4	338.6	337.8	338.6	339.4	340.2
142.5°	355.1	354.7	354.5	353.9	353.1	352.3	351.5	350.7	351.5	352.3	353.1
145°	373.4	372.9	372.4	371.8	371.1	370.5	369.9	369.3	369.9	370.5	371.1
147.5°	390.1	389.8	389.4	388.9	388.1	387.4	386.6	385.8	386.6	387.4	388.1
150°	400.5	400.1	399.8	399.3	398.8	398.2	397.7	397.2	397.7	398.2	398.8
152.5°	410.6	410.2	409.8	409.3	408.8	408.2	407.7	407.2	407.7	408.2	408.8
155°	424.1	423.8	423.6	423.3	423.0	422.7	422.4	422.1	422.4	422.7	423.0
157.5°	436.2	436.0	435.9	435.8	435.6	435.4	435.2	435.1	435.2	435.4	435.6
160°	443.8	443.7	443.6	443.5	443.4	443.2	443.0	442.8	443.0	443.2	443.4
162.5°	450.3	450.2	450.1	450.0	450.0	450.0	450.0	449.9	450.0	450.0	450.0
165°	459.0	459.0	459.0	459.0	459.1	459.1	459.2	459.3	459.2	459.1	459.1
167.5°	466.0	466.0	466.0	466.2	466.5	466.7	467.0	467.3	467.0	466.7	466.5
170°	470.0	470.1	470.2	470.4	470.6	470.9	471.2	471.4	471.2	470.9	470.6
172.5°	473.0	473.1	473.1	473.3	473.6	473.9	474.1	474.4	474.1	473.9	473.6
175°	476.3	476.4	476.6	476.9	477.2	477.4	477.7	478.0	477.7	477.4	477.2
177.5°	478.0	478.2	478.3	478.5	478.8	478.9	479.2	479.4	479.2	478.9	478.8
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1168.8	1166.6	1159.0	1154.9	1148.3	1142.2	1138.2	1140.1	1141.5	1140.8	1139.6
5°	1135.2	1126.6	1113.4	1102.1	1093.9	1078.8	1072.5	1069.3	1066.6	1063.4	1060.2
7.5°	1095.4	1081.7	1062.8	1046.6	1031.3	1012.6	1002.0	995.6	989.1	981.9	975.5
10°	1067.0	1047.8	1027.9	1005.0	986.9	970.0	955.0	945.0	935.9	927.3	920.9
12.5°	1037.1	1015.1	990.3	959.2	939.1	915.1	912.8	895.1	880.9	875.6	868.1
15°	989.6	958.7	927.3	890.4	874.4	852.6	838.9	825.3	813.0	804.3	802.1
17.5°	935.6	895.5	864.3	837.9	811.7	789.3	776.8	765.8	755.7	744.1	742.6
20°	894.5	859.9	825.7	802.5	775.7	752.9	737.4	726.5	717.8	711.1	705.1
22.5°	855.5	817.6	786.4	761.0	734.5	716.1	703.9	693.4	686.2	678.6	673.1
25°	793.0	763.4	729.2	700.5	678.7	666.9	656.8	647.7	643.2	638.2	631.9
27.5°	738.2	705.3	673.4	651.2	632.0	621.5	614.4	608.2	604.0	601.0	597.4
30°	699.6	666.4	641.4	619.6	603.6	593.2	588.6	585.0	580.0	578.1	576.3
32.5°	662.5	632.6	611.2	592.2	577.0	570.2	566.0	562.8	558.8	557.0	553.3
35°	609.9	585.0	564.0	553.5	541.3	535.3	532.2	527.5	524.0	522.1	521.7
37.5°	560.5	538.8	525.0	511.6	506.4	502.7	498.4	495.3	494.2	493.9	493.5
40°	528.5	510.8	498.5	487.5	485.3	479.7	476.2	473.4	473.4	473.9	473.4
42.5°	499.4	483.4	472.6	463.2	460.5	457.2	453.5	453.3	454.1	455.7	454.1
45°	455.2	443.8	436.0	431.5	426.5	423.3	422.8	424.3	424.7	425.2	426.5
47.5°	414.6	407.1	400.0	395.0	392.8	392.3	391.7	394.1	396.3	397.1	399.2
50°	390.6	381.9	376.0	372.8	371.0	370.1	371.0	373.7	375.5	377.8	379.2
52.5°	363.6	357.5	353.4	351.0	350.3	350.8	351.0	354.1	357.0	357.8	358.5
55°	326.4	321.8	320.9	316.8	318.6	318.2	320.5	322.3	325.0	327.7	328.2
57.5°	289.3	285.6	283.1	283.5	284.0	286.1	287.9	291.1	294.1	296.9	297.2
60°	264.5	262.6	261.3	261.3	262.2	264.9	267.2	270.4	272.2	274.0	275.4
62.5°	241.9	240.0	238.7	239.4	241.8	243.4	246.1	247.8	249.6	251.5	252.1
65°	206.2	205.3	206.7	207.6	208.0	210.3	213.5	214.8	216.7	217.6	220.8
67.5°	173.3	173.5	173.3	174.6	177.3	177.8	180.8	184.0	184.3	186.1	188.2
70°	151.1	152.0	152.9	153.8	156.1	157.0	159.3	160.7	162.5	163.9	165.2
72.5°	130.7	130.9	131.8	131.6	133.6	135.5	137.5	138.8	140.6	142.4	143.7
75°	100.6	100.6	101.5	101.9	104.2	106.6	106.0	107.0	108.8	110.6	111.6
77.5°	73.5	72.5	73.5	73.9	74.6	76.6	77.0	78.2	80.3	79.6	80.7
80°	56.0	54.7	56.0	56.4	56.4	58.8	58.8	59.7	61.0	59.7	61.0
82.5°	39.9	39.3	40.3	40.4	41.1	41.2	42.0	42.2	43.5	42.9	43.5
85°	20.1	19.6	20.1	19.6	20.1	20.5	20.5	20.1	20.1	21.0	19.6
87.5°	7.1	7.0	7.1	7.5	7.5	7.6	7.1	7.1	7.1	6.3	6.3
90°	4.7	6.2	8.2	10.2	12.1	14.2	14.0	13.8	13.6	13.5	13.4
92.5°	10.3	11.0	11.4	11.9	12.4	12.8	12.8	12.9	12.9	13.0	13.0
95°	24.6	25.1	25.3	25.5	25.7	25.9	25.9	25.9	25.9	25.9	25.8
97.5°	41.6	42.1	42.4	42.8	43.2	43.4	43.4	43.4	43.4	43.4	43.4
100°	54.2	54.7	54.9	55.2	55.5	55.7	55.7	55.7	55.7	55.7	55.7
102.5°	67.1	67.7	67.9	68.3	68.7	69.0	69.1	69.1	69.2	69.3	69.3
105°	87.9	88.2	88.4	88.5	88.7	88.9	89.1	89.3	89.4	89.6	89.7
107.5°	110.6	110.8	110.8	110.8	110.8	110.8	110.8	110.9	111.0	111.1	110.9
110°	125.4	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.5



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	140.9	141.2	141.1	141.0	140.9	140.8	140.6	140.4	140.2	140.0	139.7
115°	163.7	163.9	163.7	163.5	163.4	163.2	163.1	163.0	162.9	162.8	162.6
117.5°	187.3	187.3	186.9	186.4	185.8	185.4	185.1	184.9	184.7	184.5	184.2
120°	202.4	202.4	201.7	201.0	200.3	199.6	199.6	199.6	199.6	199.6	199.5
122.5°	217.0	217.1	216.6	216.1	215.6	215.1	214.9	214.6	214.5	214.2	214.0
125°	238.4	238.6	238.4	238.1	237.8	237.6	237.3	237.0	236.7	236.5	236.3
127.5°	260.3	260.6	260.4	260.0	259.7	259.4	259.0	258.7	258.4	258.1	257.8
130°	274.1	274.6	274.5	274.3	274.1	273.9	273.8	273.6	273.4	273.2	273.0
132.5°	288.1	288.6	288.6	288.7	288.7	288.7	288.4	288.0	287.6	287.2	286.9
135°	308.2	308.7	308.9	309.1	309.2	309.4	309.3	309.2	309.2	309.1	308.9
137.5°	328.3	328.9	329.1	329.4	329.6	329.8	329.8	329.7	329.6	329.6	329.3
140°	341.0	341.6	342.1	342.5	343.0	343.4	343.4	343.4	343.4	343.4	343.2
142.5°	353.9	354.5	354.7	355.1	355.3	355.7	355.8	355.8	355.9	356.0	355.8
145°	371.8	372.4	372.9	373.4	374.0	374.5	374.6	374.7	374.8	374.9	374.7
147.5°	388.9	389.4	389.8	390.1	390.5	390.8	391.0	391.2	391.5	391.6	391.6
150°	399.3	399.8	400.1	400.5	400.8	401.2	401.4	401.7	402.0	402.3	402.3
152.5°	409.3	409.8	410.2	410.6	411.1	411.5	411.9	412.1	412.5	412.9	412.9
155°	423.3	423.6	423.8	424.1	424.4	424.6	425.1	425.5	426.0	426.4	426.5
157.5°	435.8	435.9	436.0	436.2	436.4	436.6	437.2	437.7	438.4	439.0	439.1
160°	443.5	443.6	443.7	443.8	443.9	444.0	444.5	445.1	445.6	446.1	446.2
162.5°	450.0	450.1	450.2	450.3	450.4	450.5	451.0	451.7	452.3	452.9	453.0
165°	459.0	459.0	459.0	459.0	459.0	459.0	459.6	460.2	460.8	461.5	461.5
167.5°	466.2	466.0	466.0	466.0	466.0	466.0	466.6	467.3	467.9	468.5	468.6
170°	470.4	470.2	470.1	470.0	469.9	469.8	470.5	471.1	471.7	472.3	472.4
172.5°	473.3	473.1	473.1	473.0	472.9	472.8	473.4	474.0	474.7	475.3	475.3
175°	476.9	476.6	476.4	476.3	476.1	475.9	476.5	477.2	477.8	478.4	478.5
177.5°	478.5	478.3	478.2	478.0	477.9	477.8	478.2	478.7	479.0	479.5	479.5
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1136.0	1135.2	1135.2	1132.0	1135.2	1135.2	1136.0	1139.6	1140.8	1141.5	1140.1
5°	1053.8	1052.4	1050.2	1052.4	1050.2	1052.4	1053.8	1060.2	1063.4	1066.6	1069.3
7.5°	972.5	967.1	966.3	960.8	966.3	967.1	972.5	975.5	981.9	989.1	995.6
10°	913.1	909.5	909.0	900.4	909.0	909.5	913.1	920.9	927.3	935.9	945.0
12.5°	868.0	859.3	860.9	856.0	860.9	859.3	868.0	868.1	875.6	880.9	895.1
15°	789.8	789.8	787.9	780.2	787.9	789.8	789.8	802.1	804.3	813.0	825.3
17.5°	733.6	732.7	728.3	730.5	728.3	732.7	733.6	742.6	744.1	755.7	765.8
20°	700.1	697.4	691.9	691.9	691.9	697.4	700.1	705.1	711.1	717.8	726.5
22.5°	668.4	668.2	662.5	664.2	662.5	668.2	668.4	673.1	678.6	686.2	693.4
25°	631.3	627.8	625.0	626.3	625.0	627.8	631.3	631.9	638.2	643.2	647.7
27.5°	596.2	594.2	594.1	590.3	594.1	594.2	596.2	597.4	601.0	604.0	608.2
30°	575.9	571.3	572.2	569.9	572.2	571.3	575.9	576.3	578.1	580.0	585.0
32.5°	552.5	550.9	550.0	548.0	550.0	550.9	552.5	553.3	557.0	558.8	562.8
35°	520.8	521.2	519.0	519.9	519.0	521.2	520.8	521.7	522.1	524.0	527.5
37.5°	493.0	494.5	493.4	493.7	493.4	494.5	493.0	493.5	493.9	494.2	495.3
40°	474.7	474.7	474.7	476.2	474.7	474.7	474.7	473.4	473.9	473.4	473.4
42.5°	457.3	456.6	455.8	455.8	455.8	456.6	457.3	454.1	455.7	454.1	453.3
45°	427.4	428.8	429.3	427.0	429.3	428.8	427.4	426.5	425.2	424.7	424.3
47.5°	400.4	400.6	400.4	402.4	400.4	400.6	400.4	399.2	397.1	396.3	394.1
50°	381.5	380.6	381.5	380.6	381.5	380.6	381.5	379.2	377.8	375.5	373.7
52.5°	361.4	361.6	361.1	360.9	361.1	361.6	361.4	358.5	357.8	357.0	354.1
55°	330.0	330.9	330.5	330.5	330.5	330.9	330.0	328.2	327.7	325.0	322.3
57.5°	297.6	298.4	299.0	296.9	299.0	298.4	297.6	297.2	296.9	294.1	291.1
60°	274.9	277.2	276.8	275.9	276.8	277.2	274.9	275.4	274.0	272.2	270.4
62.5°	254.2	255.0	254.9	254.8	254.9	255.0	254.2	252.1	251.5	249.6	247.8
65°	222.1	223.0	221.7	223.0	221.7	223.0	222.1	220.8	217.6	216.7	214.8
67.5°	187.6	187.9	189.0	189.6	189.0	187.9	187.6	188.2	186.1	184.3	184.0
70°	166.1	165.7	167.0	168.4	167.0	165.7	166.1	165.2	163.9	162.5	160.7
72.5°	143.6	144.5	144.1	145.1	144.1	144.5	143.6	143.7	142.4	140.6	138.8
75°	110.6	112.0	111.6	112.9	111.6	112.0	110.6	111.6	110.6	108.8	107.0
77.5°	79.9	80.1	79.9	80.7	79.9	80.1	79.9	80.7	79.6	80.3	78.2
80°	61.0	60.1	59.2	61.0	59.2	60.1	61.0	61.0	59.7	61.0	59.7
82.5°	42.4	43.0	42.1	42.1	42.1	43.0	42.4	43.5	42.9	43.5	42.2
85°	19.6	19.1	18.2	18.2	18.2	19.1	19.6	19.6	21.0	20.1	20.1
87.5°	6.3	6.0	6.0	5.6	6.0	6.0	6.3	6.3	6.3	7.1	7.1
90°	13.5	13.6	13.6	13.7	13.6	13.6	13.5	13.4	13.5	13.6	13.8
92.5°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	13.0	13.0	12.9	12.9
95°	25.6	25.4	25.2	25.1	25.2	25.4	25.6	25.8	25.9	25.9	25.9
97.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
100°	55.6	55.6	55.5	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7
102.5°	69.2	69.1	69.0	68.9	69.0	69.1	69.2	69.3	69.3	69.2	69.1
105°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.6	89.4	89.3
107.5°	110.5	110.0	109.7	109.2	109.7	110.0	110.5	110.9	111.1	111.0	110.9
110°	125.2	124.9	124.7	124.4	124.7	124.9	125.2	125.5	125.6	125.6	125.6



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	139.6	139.4	139.2	139.0	139.2	139.4	139.6	139.7	140.0	140.2	140.4
115°	162.4	162.1	161.8	161.6	161.8	162.1	162.4	162.6	162.8	162.9	163.0
117.5°	184.0	183.7	183.4	183.2	183.4	183.7	184.0	184.2	184.5	184.7	184.9
120°	199.2	198.9	198.7	198.4	198.7	198.9	199.2	199.5	199.6	199.6	199.6
122.5°	213.8	213.7	213.4	213.2	213.4	213.7	213.8	214.0	214.2	214.5	214.6
125°	236.2	236.1	236.0	235.9	236.0	236.1	236.2	236.3	236.5	236.7	237.0
127.5°	257.4	257.2	256.9	256.6	256.9	257.2	257.4	257.8	258.1	258.4	258.7
130°	272.6	272.2	271.9	271.5	271.9	272.2	272.6	273.0	273.2	273.4	273.6
132.5°	286.6	286.2	286.0	285.7	286.0	286.2	286.6	286.9	287.2	287.6	288.0
135°	308.6	308.4	308.1	307.8	308.1	308.4	308.6	308.9	309.1	309.2	309.2
137.5°	329.0	328.6	328.2	327.9	328.2	328.6	329.0	329.3	329.6	329.6	329.7
140°	342.9	342.5	342.1	341.8	342.1	342.5	342.9	343.2	343.4	343.4	343.4
142.5°	355.4	355.1	354.7	354.4	354.7	355.1	355.4	355.8	356.0	355.9	355.8
145°	374.3	374.0	373.6	373.3	373.6	374.0	374.3	374.7	374.9	374.8	374.7
147.5°	391.2	390.8	390.5	390.2	390.5	390.8	391.2	391.6	391.6	391.5	391.2
150°	402.0	401.7	401.4	401.2	401.4	401.7	402.0	402.3	402.3	402.0	401.7
152.5°	412.5	412.1	411.9	411.5	411.9	412.1	412.5	412.9	412.9	412.5	412.1
155°	426.2	426.0	425.7	425.4	425.7	426.0	426.2	426.5	426.4	426.0	425.5
157.5°	438.6	438.2	437.8	437.4	437.8	438.2	438.6	439.1	439.0	438.4	437.7
160°	445.9	445.5	445.1	444.8	445.1	445.5	445.9	446.2	446.1	445.6	445.1
162.5°	452.5	452.1	451.7	451.3	451.7	452.1	452.5	453.0	452.9	452.3	451.7
165°	461.1	460.7	460.2	459.8	460.2	460.7	461.1	461.5	461.5	460.8	460.2
167.5°	468.1	467.6	467.2	466.7	467.2	467.6	468.1	468.6	468.5	467.9	467.3
170°	471.9	471.4	470.8	470.3	470.8	471.4	471.9	472.4	472.3	471.7	471.1
172.5°	474.7	474.2	473.7	473.1	473.7	474.2	474.7	475.3	475.3	474.7	474.0
175°	478.0	477.4	476.9	476.4	476.9	477.4	478.0	478.5	478.4	477.8	477.2
177.5°	479.0	478.7	478.2	477.8	478.2	478.7	479.0	479.5	479.5	479.0	478.7
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1138.2	1142.2	1148.3	1154.9	1159.0	1166.6	1168.8	1172.4	1175.7	1183.4	1191.3
5°	1072.5	1078.8	1093.9	1102.1	1113.4	1126.6	1135.2	1144.4	1154.4	1171.7	1187.6
7.5°	1002.0	1012.6	1031.3	1046.6	1062.8	1081.7	1095.4	1113.4	1128.4	1152.7	1176.1
10°	955.0	970.0	986.9	1005.0	1027.9	1047.8	1067.0	1089.8	1108.0	1137.1	1164.4
12.5°	912.8	915.1	939.1	959.2	990.3	1015.1	1037.1	1066.5	1084.3	1118.9	1147.6
15°	838.9	852.6	874.4	890.4	927.3	958.7	989.6	1020.1	1040.6	1083.3	1121.1
17.5°	776.8	789.3	811.7	837.9	864.3	895.5	935.6	967.8	995.6	1044.6	1089.2
20°	737.4	752.9	775.7	802.5	825.7	859.9	894.5	931.3	961.4	1016.5	1068.8
22.5°	703.9	716.1	734.5	761.0	786.4	817.6	855.5	895.6	927.2	986.6	1039.6
25°	656.8	666.9	678.7	700.5	729.2	763.4	793.0	837.1	883.1	938.6	1002.8
27.5°	614.4	621.5	632.0	651.2	673.4	705.3	738.2	780.2	826.3	886.6	954.4
30°	588.6	593.2	603.6	619.6	641.4	666.4	699.6	739.7	787.0	848.0	915.4
32.5°	566.0	570.2	577.0	592.2	611.2	632.6	662.5	702.6	747.7	807.6	882.3
35°	532.2	535.3	541.3	553.5	564.0	585.0	609.9	646.4	688.8	746.1	823.5
37.5°	498.4	502.7	506.4	511.6	525.0	538.8	560.5	591.3	632.8	690.7	764.5
40°	476.2	479.7	485.3	487.5	498.5	510.8	528.5	556.7	598.6	651.4	723.4
42.5°	453.5	457.2	460.5	463.2	472.6	483.4	499.4	523.6	560.7	612.1	683.2
45°	422.8	423.3	426.5	431.5	436.0	443.8	455.2	476.2	504.8	553.0	617.7
47.5°	391.7	392.3	392.8	395.0	400.0	407.1	414.6	431.6	457.3	495.8	558.7
50°	371.0	370.1	371.0	372.8	376.0	381.9	390.6	402.9	423.8	459.8	517.5
52.5°	351.0	350.8	350.3	351.0	353.4	357.5	363.6	374.1	392.8	425.9	476.8
55°	320.5	318.2	318.6	316.8	320.9	321.8	326.4	335.0	351.4	374.2	422.0
57.5°	287.9	286.1	284.0	283.5	283.1	285.6	289.3	296.0	308.6	328.6	367.4
60°	267.2	264.9	262.2	261.3	261.3	262.6	264.5	269.5	281.3	299.1	330.9
62.5°	246.1	243.4	241.8	239.4	238.7	240.0	241.9	245.5	254.0	270.6	298.2
65°	213.5	210.3	208.0	207.6	206.7	205.3	206.2	209.8	216.7	229.9	251.7
67.5°	180.8	177.8	177.3	174.6	173.3	173.5	173.3	176.5	180.6	191.9	208.2
70°	159.3	157.0	156.1	153.8	152.9	152.0	151.1	153.8	157.9	167.6	181.6
72.5°	137.5	135.5	133.6	131.6	131.8	130.9	130.7	132.3	135.7	144.5	155.4
75°	106.0	106.6	104.2	101.9	101.5	100.6	100.6	101.9	103.3	110.1	118.8
77.5°	77.0	76.6	74.6	73.9	73.5	72.5	73.5	74.4	75.1	79.6	86.1
80°	58.8	58.8	56.4	56.4	56.0	54.7	56.0	55.1	56.9	61.4	66.0
82.5°	42.0	41.2	41.1	40.4	40.3	39.3	39.9	40.8	41.6	44.7	47.4
85°	20.5	20.5	20.1	19.6	20.1	19.6	20.1	20.5	21.0	22.3	24.6
87.5°	7.1	7.6	7.5	7.5	7.1	7.0	7.1	7.3	7.8	7.9	8.1
90°	14.0	14.2	12.1	10.2	8.2	6.2	4.7	3.7	2.6	1.5	0.4
92.5°	12.8	12.8	12.4	11.9	11.4	11.0	10.3	9.5	8.7	8.0	7.2
95°	25.9	25.9	25.7	25.5	25.3	25.1	24.6	23.7	22.8	21.9	21.0
97.5°	43.4	43.4	43.2	42.8	42.4	42.1	41.6	40.8	39.9	39.1	38.3
100°	55.7	55.7	55.5	55.2	54.9	54.7	54.2	53.5	52.7	52.0	51.3
102.5°	69.1	69.0	68.7	68.3	67.9	67.7	67.1	66.6	66.0	65.5	64.9
105°	89.1	88.9	88.7	88.5	88.4	88.2	87.9	87.7	87.4	87.1	86.9
107.5°	110.8	110.8	110.8	110.8	110.8	110.8	110.6	110.2	109.8	109.4	109.0
110°	125.6	125.6	125.6	125.6	125.6	125.6	125.4	124.8	124.3	123.8	123.2



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	140.6	140.8	140.9	141.0	141.1	141.2	140.9	140.4	139.8	139.3	138.8
115°	163.1	163.2	163.4	163.5	163.7	163.9	163.7	163.2	162.6	162.1	161.6
117.5°	185.1	185.4	185.8	186.4	186.9	187.3	187.3	186.5	185.8	185.1	184.4
120°	199.6	199.6	200.3	201.0	201.7	202.4	202.4	201.7	201.0	200.3	199.6
122.5°	214.9	215.1	215.6	216.1	216.6	217.1	217.0	216.1	215.2	214.4	213.5
125°	237.3	237.6	237.8	238.1	238.4	238.6	238.4	237.6	236.7	235.9	235.1
127.5°	259.0	259.4	259.7	260.0	260.4	260.6	260.3	259.3	258.2	257.3	256.2
130°	273.8	273.9	274.1	274.3	274.5	274.6	274.1	273.0	271.8	270.6	269.5
132.5°	288.4	288.7	288.7	288.7	288.6	288.6	288.1	287.2	286.2	285.3	284.4
135°	309.3	309.4	309.2	309.1	308.9	308.7	308.2	307.2	306.2	305.2	304.3
137.5°	329.8	329.8	329.6	329.4	329.1	328.9	328.3	327.5	326.7	325.9	325.1
140°	343.4	343.4	343.0	342.5	342.1	341.6	341.0	340.2	339.4	338.6	337.8
142.5°	355.8	355.7	355.3	355.1	354.7	354.5	353.9	353.1	352.3	351.5	350.7
145°	374.6	374.5	374.0	373.4	372.9	372.4	371.8	371.1	370.5	369.9	369.3
147.5°	391.0	390.8	390.5	390.1	389.8	389.4	388.9	388.1	387.4	386.6	385.8
150°	401.4	401.2	400.8	400.5	400.1	399.8	399.3	398.8	398.2	397.7	397.2
152.5°	411.9	411.5	411.1	410.6	410.2	409.8	409.3	408.8	408.2	407.7	407.2
155°	425.1	424.6	424.4	424.1	423.8	423.6	423.3	423.0	422.7	422.4	422.1
157.5°	437.2	436.6	436.4	436.2	436.0	435.9	435.8	435.6	435.4	435.2	435.1
160°	444.5	444.0	443.9	443.8	443.7	443.6	443.5	443.4	443.2	443.0	442.8
162.5°	451.0	450.5	450.4	450.3	450.2	450.1	450.0	450.0	450.0	450.0	449.9
165°	459.6	459.0	459.0	459.0	459.0	459.0	459.0	459.1	459.1	459.2	459.3
167.5°	466.6	466.0	466.0	466.0	466.0	466.0	466.2	466.5	466.7	467.0	467.3
170°	470.5	469.8	469.9	470.0	470.1	470.2	470.4	470.6	470.9	471.2	471.4
172.5°	473.4	472.8	472.9	473.0	473.1	473.1	473.3	473.6	473.9	474.1	474.4
175°	476.5	475.9	476.1	476.3	476.4	476.6	476.9	477.2	477.4	477.7	478.0
177.5°	478.2	477.8	477.9	478.0	478.2	478.3	478.5	478.8	478.9	479.2	479.4
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1190.6	1192.5	1198.3	1204.1	1210.7	1212.5	1215.4	1212.8	1212.1	1219.1	1224.1
5°	1194.0	1202.2	1218.2	1232.7	1245.0	1253.7	1262.8	1266.4	1273.2	1282.7	1294.6
7.5°	1190.2	1206.1	1231.2	1252.3	1275.5	1292.2	1305.2	1316.3	1329.7	1347.8	1367.6
10°	1185.8	1207.2	1237.7	1263.6	1291.8	1313.2	1331.1	1348.3	1368.3	1393.4	1419.3
12.5°	1177.8	1203.2	1241.4	1272.0	1308.2	1329.3	1353.3	1390.5	1412.0	1446.9	1483.5
15°	1161.7	1189.9	1243.1	1280.9	1321.9	1362.0	1406.1	1441.6	1477.1	1497.6	1549.1
17.5°	1137.7	1179.2	1238.1	1282.2	1334.3	1397.4	1447.0	1487.2	1528.2	1561.5	1587.2
20°	1118.5	1163.5	1230.8	1283.7	1345.6	1413.4	1470.3	1511.3	1546.8	1574.6	1590.5
22.5°	1094.0	1150.8	1216.3	1278.2	1357.3	1424.3	1484.2	1516.4	1546.0	1559.6	1565.8
25°	1055.6	1123.9	1198.1	1273.6	1362.9	1433.9	1488.5	1508.1	1516.7	1503.5	1481.7
27.5°	1014.2	1090.3	1177.1	1265.1	1359.4	1427.7	1466.9	1463.7	1449.1	1406.4	1372.3
30°	983.2	1067.0	1160.3	1256.3	1351.0	1417.5	1440.3	1417.5	1384.3	1336.5	1287.8
32.5°	950.8	1037.5	1142.5	1243.9	1335.8	1394.2	1399.1	1359.9	1308.5	1254.2	1193.5
35°	901.8	995.5	1108.8	1216.3	1303.2	1340.2	1318.3	1249.1	1188.1	1113.9	1031.0
37.5°	846.3	949.9	1063.5	1175.8	1254.5	1264.2	1210.0	1137.1	1051.1	963.9	866.4
40°	804.8	914.5	1031.5	1144.9	1214.5	1204.4	1135.2	1055.2	952.7	846.2	755.6
42.5°	767.7	877.4	996.5	1107.7	1163.5	1136.0	1055.2	956.8	846.8	746.5	663.5
45°	703.3	816.2	938.2	1045.6	1077.5	1027.9	920.9	811.6	703.3	619.6	554.0
47.5°	640.9	752.4	873.3	967.7	978.9	912.2	795.3	682.9	589.8	521.6	475.3
50°	594.9	706.9	826.6	910.9	907.2	826.6	706.5	599.5	521.7	466.5	435.6
52.5°	553.8	659.6	774.5	851.1	831.9	744.0	629.3	534.3	470.3	427.2	399.2
55°	489.8	587.6	696.9	758.4	722.8	625.4	528.5	452.0	404.7	372.4	350.5
57.5°	426.2	518.0	611.5	649.4	610.2	520.2	439.3	383.9	348.3	324.4	310.1
60°	386.9	467.1	550.4	583.1	536.2	456.1	392.4	342.8	314.1	294.5	281.8
62.5°	347.6	419.4	497.9	515.8	472.9	405.1	348.7	307.5	283.8	266.4	254.5
65°	294.1	352.8	412.4	424.3	384.7	332.3	287.7	260.8	239.9	227.1	217.6
67.5°	241.2	288.3	330.6	340.1	305.4	269.1	236.9	213.5	199.3	188.7	180.7
70°	209.8	247.2	281.8	289.5	261.7	229.4	204.8	186.2	173.4	164.3	156.6
72.5°	176.7	207.9	236.6	241.8	219.1	194.5	174.2	159.6	148.3	142.5	135.1
75°	135.2	153.4	175.7	177.1	162.0	147.0	131.5	122.0	116.1	108.8	105.1
77.5°	95.4	109.7	122.4	124.9	116.0	105.8	97.1	89.6	84.5	81.2	77.8
80°	72.9	84.2	89.7	92.8	86.5	79.2	74.2	69.2	66.0	63.8	61.4
82.5°	52.1	59.1	64.2	66.6	63.2	58.9	53.8	51.0	48.5	46.6	45.8
85°	26.4	29.6	32.8	33.7	32.8	30.9	28.2	28.2	26.8	26.4	26.4
87.5°	9.4	11.1	11.3	12.6	12.2	12.6	12.9	13.0	13.0	12.7	12.2
90°	1.5	2.6	3.7	4.7	6.2	8.2	10.2	12.1	14.2	14.0	13.8
92.5°	8.0	8.7	9.5	10.3	11.0	11.4	11.9	12.4	12.8	12.8	12.9
95°	21.9	22.8	23.7	24.6	25.1	25.3	25.5	25.7	25.9	25.9	25.9
97.5°	39.1	39.9	40.8	41.6	42.1	42.4	42.8	43.2	43.4	43.4	43.4
100°	52.0	52.7	53.5	54.2	54.7	54.9	55.2	55.5	55.7	55.7	55.7
102.5°	65.5	66.0	66.6	67.1	67.7	67.9	68.3	68.7	69.0	69.1	69.1
105°	87.1	87.4	87.7	87.9	88.2	88.4	88.5	88.7	88.9	89.1	89.3
107.5°	109.4	109.8	110.2	110.6	110.8	110.8	110.8	110.8	110.8	110.8	110.9
110°	123.8	124.3	124.8	125.4	125.6	125.6	125.6	125.6	125.6	125.6	125.6



TEST NUMBER: P331526-940

CATALOG NUMBER: S122DIW-S675D435U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	139.3	139.8	140.4	140.9	141.2	141.1	141.0	140.9	140.8	140.6	140.4
115°	162.1	162.6	163.2	163.7	163.9	163.7	163.5	163.4	163.2	163.1	163.0
117.5°	185.1	185.8	186.5	187.3	187.3	186.9	186.4	185.8	185.4	185.1	184.9
120°	200.3	201.0	201.7	202.4	202.4	201.7	201.0	200.3	199.6	199.6	199.6
122.5°	214.4	215.2	216.1	217.0	217.1	216.6	216.1	215.6	215.1	214.9	214.6
125°	235.9	236.7	237.6	238.4	238.6	238.4	238.1	237.8	237.6	237.3	237.0
127.5°	257.3	258.2	259.3	260.3	260.6	260.4	260.0	259.7	259.4	259.0	258.7
130°	270.6	271.8	273.0	274.1	274.6	274.5	274.3	274.1	273.9	273.8	273.6
132.5°	285.3	286.2	287.2	288.1	288.6	288.6	288.7	288.7	288.7	288.4	288.0
135°	305.2	306.2	307.2	308.2	308.7	308.9	309.1	309.2	309.4	309.3	309.2
137.5°	325.9	326.7	327.5	328.3	328.9	329.1	329.4	329.6	329.8	329.8	329.7
140°	338.6	339.4	340.2	341.0	341.6	342.1	342.5	343.0	343.4	343.4	343.4
142.5°	351.5	352.3	353.1	353.9	354.5	354.7	355.1	355.3	355.7	355.8	355.8
145°	369.9	370.5	371.1	371.8	372.4	372.9	373.4	374.0	374.5	374.6	374.7
147.5°	386.6	387.4	388.1	388.9	389.4	389.8	390.1	390.5	390.8	391.0	391.2
150°	397.7	398.2	398.8	399.3	399.8	400.1	400.5	400.8	401.2	401.4	401.7
152.5°	407.7	408.2	408.8	409.3	409.8	410.2	410.6	411.1	411.5	411.9	412.1
155°	422.4	422.7	423.0	423.3	423.6	423.8	424.1	424.4	424.6	425.1	425.5
157.5°	435.2	435.4	435.6	435.8	435.9	436.0	436.2	436.4	436.6	437.2	437.7
160°	443.0	443.2	443.4	443.5	443.6	443.7	443.8	443.9	444.0	444.5	445.1
162.5°	450.0	450.0	450.0	450.0	450.1	450.2	450.3	450.4	450.5	451.0	451.7
165°	459.2	459.1	459.1	459.0	459.0	459.0	459.0	459.0	459.0	459.6	460.2
167.5°	467.0	466.7	466.5	466.2	466.0	466.0	466.0	466.0	466.0	466.6	467.3
170°	471.2	470.9	470.6	470.4	470.2	470.1	470.0	469.9	469.8	470.5	471.1
172.5°	474.1	473.9	473.6	473.3	473.1	473.1	473.0	472.9	472.8	473.4	474.0
175°	477.7	477.4	477.2	476.9	476.6	476.4	476.3	476.1	475.9	476.5	477.2
177.5°	479.2	478.9	478.8	478.5	478.3	478.2	478.0	477.9	477.8	478.2	478.7
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1228.5	1233.6	1233.6	1234.3	1240.2	1239.4	1239.0
5°	1307.3	1315.1	1316.0	1324.2	1329.6	1327.8	1322.9
7.5°	1381.7	1396.2	1407.0	1413.1	1420.3	1424.8	1422.8
10°	1440.7	1461.7	1474.4	1483.1	1493.5	1501.3	1498.5
12.5°	1494.2	1519.2	1536.7	1551.5	1552.9	1562.8	1556.0
15°	1577.7	1604.1	1606.9	1617.8	1626.5	1625.5	1625.9
17.5°	1605.3	1613.8	1615.5	1615.8	1615.9	1612.7	1605.8
20°	1595.4	1592.3	1584.6	1578.7	1568.2	1566.8	1557.7
22.5°	1548.9	1538.7	1519.4	1506.5	1490.2	1485.9	1483.5
25°	1457.1	1434.8	1403.8	1374.2	1366.1	1350.1	1354.7
27.5°	1331.2	1296.5	1262.9	1238.9	1217.1	1193.3	1200.1
30°	1242.7	1203.5	1156.2	1119.8	1096.6	1073.8	1069.7
32.5°	1137.1	1079.8	1026.9	994.9	959.3	944.9	929.2
35°	955.0	899.0	846.7	801.6	775.7	755.6	737.4
37.5°	791.2	726.7	684.6	648.0	629.3	617.8	620.7
40°	689.6	633.2	602.3	574.4	557.1	548.9	550.8
42.5°	607.3	565.1	539.6	520.6	508.4	503.8	502.7
45°	513.9	490.3	469.3	458.4	452.5	447.5	444.3
47.5°	450.2	430.9	419.1	412.6	407.4	402.3	402.3
50°	412.0	399.2	391.0	384.1	380.1	376.5	379.6
52.5°	382.8	371.1	363.0	356.9	355.3	352.0	352.0
55°	339.6	330.5	324.6	319.1	316.4	314.5	312.3
57.5°	300.2	291.6	286.1	282.7	277.5	275.6	274.9
60°	272.2	265.4	259.9	255.4	253.1	249.4	249.4
62.5°	246.4	239.5	234.4	231.0	227.2	225.8	226.1
65°	208.9	203.5	198.5	194.8	193.9	191.2	192.1
67.5°	174.5	170.9	165.6	163.6	161.8	160.4	159.3
70°	151.6	147.9	145.2	142.5	141.1	141.1	141.1
72.5°	132.2	127.9	126.3	122.8	123.6	122.2	120.7
75°	102.5	99.7	98.4	96.9	94.7	94.7	94.7
77.5°	75.3	74.5	72.9	71.4	70.9	70.4	70.6
80°	58.2	57.8	56.9	56.9	56.0	55.6	54.7
82.5°	44.8	43.6	43.1	42.7	42.5	42.4	42.3
85°	25.5	24.6	24.6	25.1	24.2	24.2	24.6
87.5°	12.6	12.5	12.1	12.1	12.6	12.2	12.2
90°	13.6	13.5	13.4	13.5	13.6	13.6	13.7
92.5°	12.9	13.0	13.0	13.0	13.0	13.1	13.1
95°	25.9	25.9	25.8	25.6	25.4	25.2	25.1
97.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4
100°	55.7	55.7	55.7	55.6	55.6	55.5	55.4
102.5°	69.2	69.3	69.3	69.2	69.1	69.0	68.9
105°	89.4	89.6	89.7	89.7	89.7	89.7	89.7
107.5°	111.0	111.1	110.9	110.5	110.0	109.7	109.2
110°	125.6	125.6	125.5	125.2	124.9	124.7	124.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	140.2	140.0	139.7	139.6	139.4	139.2	139.0
115°	162.9	162.8	162.6	162.4	162.1	161.8	161.6
117.5°	184.7	184.5	184.2	184.0	183.7	183.4	183.2
120°	199.6	199.6	199.5	199.2	198.9	198.7	198.4
122.5°	214.5	214.2	214.0	213.8	213.7	213.4	213.2
125°	236.7	236.5	236.3	236.2	236.1	236.0	235.9
127.5°	258.4	258.1	257.8	257.4	257.2	256.9	256.6
130°	273.4	273.2	273.0	272.6	272.2	271.9	271.5
132.5°	287.6	287.2	286.9	286.6	286.2	286.0	285.7
135°	309.2	309.1	308.9	308.6	308.4	308.1	307.8
137.5°	329.6	329.6	329.3	329.0	328.6	328.2	327.9
140°	343.4	343.4	343.2	342.9	342.5	342.1	341.8
142.5°	355.9	356.0	355.8	355.4	355.1	354.7	354.4
145°	374.8	374.9	374.7	374.3	374.0	373.6	373.3
147.5°	391.5	391.6	391.6	391.2	390.8	390.5	390.2
150°	402.0	402.3	402.3	402.0	401.7	401.4	401.2
152.5°	412.5	412.9	412.9	412.5	412.1	411.9	411.5
155°	426.0	426.4	426.5	426.2	426.0	425.7	425.4
157.5°	438.4	439.0	439.1	438.6	438.2	437.8	437.4
160°	445.6	446.1	446.2	445.9	445.5	445.1	444.8
162.5°	452.3	452.9	453.0	452.5	452.1	451.7	451.3
165°	460.8	461.5	461.5	461.1	460.7	460.2	459.8
167.5°	467.9	468.5	468.6	468.1	467.6	467.2	466.7
170°	471.7	472.3	472.4	471.9	471.4	470.8	470.3
172.5°	474.7	475.3	475.3	474.7	474.2	473.7	473.1
175°	477.8	478.4	478.5	478.0	477.4	476.9	476.4
177.5°	479.0	479.5	479.5	479.0	478.7	478.2	477.8
180°	478.8	478.8	478.8	478.8	478.8	478.8	478.8

(END OF REPORT)