

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: P331532-940

Luminaire Tested: **S122DIW-S675D710U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331532-940
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-S675D710U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4808.7 lumens
Efficiency: N/A
Efficacy: 106.9 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: General Diffuse

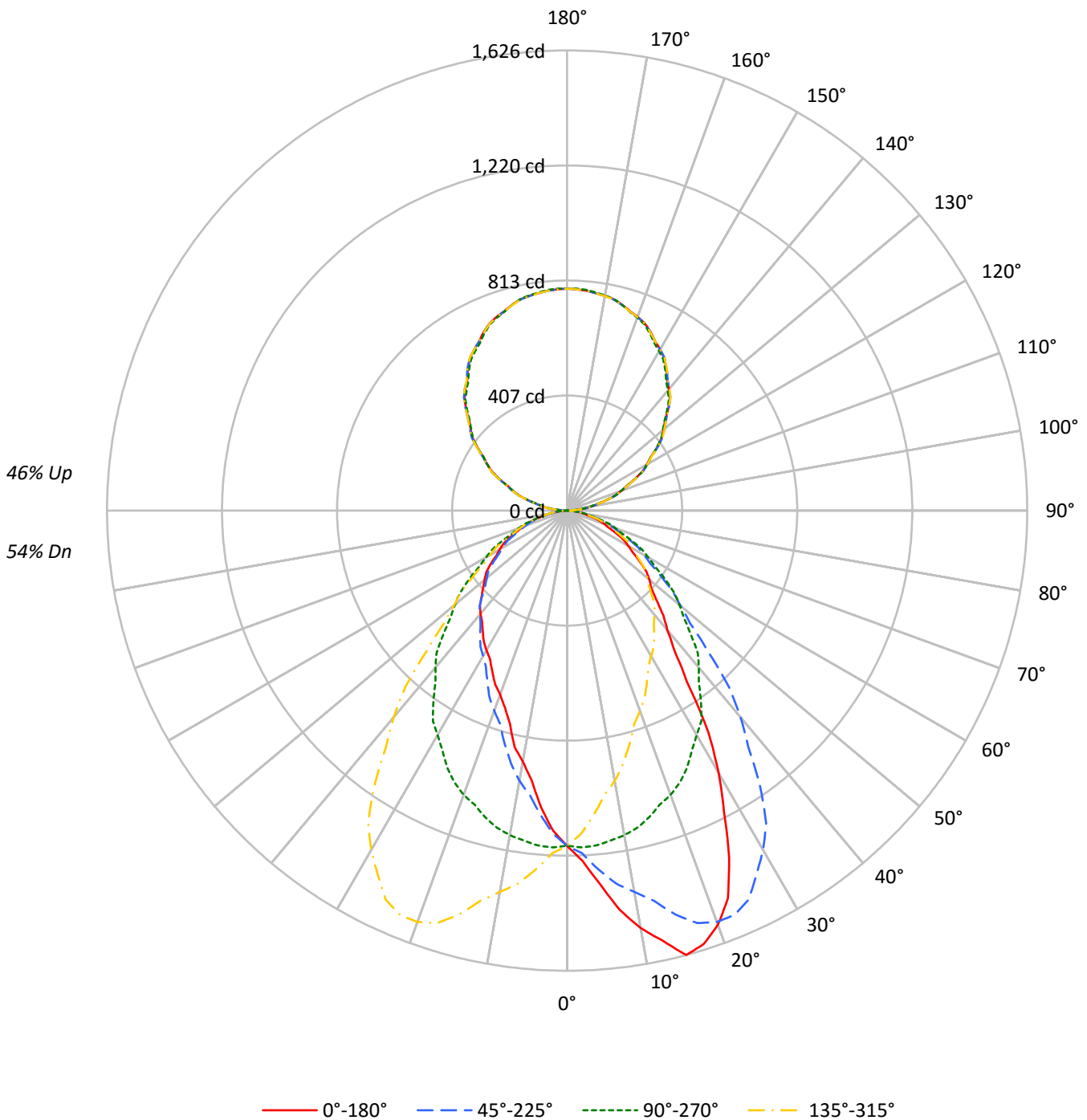
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	55	52	48	46	44	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	38	35
4	76	66	58	52	71	62	55	50	53	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	30	27
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	30	26	24	21
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17
10	49	37	30	25	46	35	28	24	31	26	22	27	23	20	24	20	18	16

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	2.3
10°-20°	327.9	6.8
20°-30°	475.9	9.9
30°-40°	502.2	10.4
40°-50°	444.7	9.2
50°-60°	354.9	7.4
60°-70°	241.2	5.0
70°-80°	123.7	2.6
80°-90°	33.0	0.7
90°-100°	49.7	1.0
100°-110°	154.3	3.2
110°-120°	263.8	5.5
120°-130°	346.9	7.2
130°-140°	389.3	8.1
140°-150°	381.7	7.9
150°-160°	320.2	6.7
160°-170°	212.4	4.4
170°-180°	74.2	1.5
0°-30°	916.7	19.1
0°-40°	1418.9	29.5
0°-60°	2218.4	46.1
0°-90°	2616.2	54.4
90°-120°	467.8	9.7
90°-150°	1585.7	33.0
90°-180°	2193.0	45.6
0°-180°	4808.7	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	28
90°	22	1	22	1	22	11
95°	41	34	41	34	41	46
105°	147	142	147	142	147	155
115°	265	265	265	265	265	261
125°	386	385	386	385	386	345
135°	504	498	504	498	504	388
145°	611	605	611	605	611	382
155°	697	691	697	691	697	321
165°	753	752	753	752	753	212
175°	780	783	780	783	780	74
180°	784	784	784	784	784	



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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°	14.0	13.9	14.3	13.9	13.8	14.3	14.3	14.0	14.4	14.8	14.5
90°	22.5	22.4	22.2	22.0	21.9	22.0	22.3	22.6	22.8	23.2	19.9
92.5°	21.4	21.4	21.4	21.3	21.3	21.3	21.2	21.1	21.1	21.0	20.2
95°	41.0	41.3	41.6	41.9	42.2	42.4	42.4	42.4	42.4	42.4	42.1
97.5°	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	70.6
100°	90.7	90.8	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3	90.9
102.5°	112.9	113.1	113.2	113.3	113.5	113.5	113.3	113.2	113.2	113.0	112.4
105°	146.9	146.9	146.9	146.9	146.9	146.8	146.4	146.2	145.9	145.6	145.3
107.5°	179.0	179.6	180.3	180.9	181.6	181.9	181.8	181.6	181.6	181.5	181.5
110°	203.8	204.2	204.6	205.1	205.5	205.8	205.8	205.8	205.8	205.8	205.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	227.7	227.9	228.3	228.6	228.9	229.3	229.6	230.0	230.3	230.7	230.8
115°	264.7	265.1	265.6	266.0	266.4	266.7	266.9	267.1	267.2	267.3	267.6
117.5°	300.0	300.4	300.9	301.3	301.8	302.2	302.6	302.9	303.3	303.6	304.4
120°	324.9	325.3	325.7	326.2	326.6	326.9	326.9	326.9	326.9	326.9	328.1
122.5°	349.3	349.6	349.9	350.2	350.5	350.9	351.2	351.6	352.0	352.3	353.1
125°	386.5	386.6	386.7	386.9	387.0	387.3	387.7	388.2	388.6	389.1	389.5
127.5°	420.4	420.8	421.2	421.7	422.2	422.7	423.2	423.7	424.3	424.8	425.3
130°	444.7	445.2	445.9	446.4	447.0	447.5	447.7	448.1	448.4	448.6	448.9
132.5°	468.0	468.4	468.9	469.4	469.8	470.4	471.0	471.7	472.3	473.0	473.0
135°	504.2	504.6	505.1	505.5	506.0	506.3	506.4	506.6	506.7	506.8	506.6
137.5°	537.0	537.6	538.2	538.8	539.4	539.8	539.8	539.9	540.1	540.2	539.8
140°	559.8	560.4	561.0	561.6	562.1	562.4	562.4	562.4	562.4	562.4	561.7
142.5°	580.4	581.0	581.6	582.2	582.8	583.0	582.9	582.8	582.6	582.6	582.0
145°	611.4	612.0	612.6	613.1	613.8	613.9	613.9	613.7	613.5	613.4	612.5
147.5°	639.1	639.6	640.2	640.8	641.3	641.4	641.1	640.8	640.4	640.2	639.5
150°	657.1	657.5	657.9	658.4	658.8	658.8	658.4	657.9	657.5	657.1	656.5
152.5°	674.0	674.6	675.1	675.6	676.3	676.3	675.6	675.1	674.6	674.0	673.3
155°	696.8	697.2	697.7	698.1	698.6	698.4	697.7	696.9	696.2	695.4	695.0
157.5°	716.3	717.0	717.7	718.5	719.2	719.0	718.0	717.0	716.0	715.1	714.8
160°	728.5	729.2	729.7	730.3	730.8	730.8	729.9	729.0	728.1	727.2	727.0
162.5°	739.1	739.9	740.6	741.2	741.9	741.8	740.8	739.8	738.8	737.8	737.6
165°	753.0	753.8	754.5	755.2	756.0	755.8	754.7	753.8	752.7	751.7	751.7
167.5°	764.4	765.2	765.9	766.7	767.4	767.3	766.2	765.3	764.2	763.2	763.2
170°	770.2	771.1	772.0	772.8	773.7	773.6	772.7	771.6	770.6	769.5	769.7
172.5°	775.0	775.9	776.8	777.7	778.5	778.5	777.4	776.4	775.3	774.3	774.5
175°	780.2	781.0	781.9	782.7	783.6	783.6	782.6	781.5	780.5	779.4	779.8
177.5°	782.5	783.2	783.9	784.6	785.3	785.3	784.6	783.9	783.2	782.5	782.7
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1



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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°	14.3	13.6	12.9	13.2	11.8	11.4	9.6	8.1	8.1	8.1	7.8
90°	16.7	13.5	10.3	7.8	6.0	4.2	2.4	0.6	2.4	4.2	6.0
92.5°	19.5	18.7	18.0	16.9	15.7	14.4	13.1	11.8	13.1	14.4	15.7
95°	41.7	41.5	41.2	40.3	38.8	37.4	35.8	34.4	35.8	37.4	38.8
97.5°	70.1	69.6	68.9	68.0	66.7	65.5	64.1	62.9	64.1	65.5	66.7
100°	90.4	90.0	89.5	88.7	87.6	86.4	85.2	84.0	85.2	86.4	87.6
102.5°	111.9	111.4	110.8	110.0	109.1	108.2	107.2	106.3	107.2	108.2	109.1
105°	145.0	144.7	144.4	144.0	143.6	143.1	142.7	142.2	142.7	143.1	143.6
107.5°	181.5	181.5	181.5	181.1	180.5	179.9	179.1	178.5	179.1	179.9	180.5
110°	205.8	205.8	205.8	205.4	204.5	203.6	202.7	201.8	202.7	203.6	204.5



TEST NUMBER: P331532-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	230.9	231.0	231.1	230.8	229.9	229.0	228.1	227.2	228.1	229.0	229.9
115°	267.9	268.2	268.5	268.2	267.3	266.4	265.6	264.7	265.6	266.4	267.3
117.5°	305.2	306.0	306.8	306.7	305.5	304.3	303.2	302.0	303.2	304.3	305.5
120°	329.2	330.4	331.5	331.5	330.4	329.2	328.1	326.9	328.1	329.2	330.4
122.5°	353.9	354.7	355.6	355.3	353.8	352.5	351.1	349.6	351.1	352.5	353.8
125°	389.9	390.4	390.8	390.4	389.1	387.7	386.5	385.1	386.5	387.7	389.1
127.5°	425.9	426.4	427.0	426.3	424.6	423.0	421.3	419.6	421.3	423.0	424.6
130°	449.2	449.5	449.8	449.0	447.1	445.1	443.3	441.3	443.3	445.1	447.1
132.5°	472.9	472.8	472.8	471.9	470.4	468.9	467.3	465.7	467.3	468.9	470.4
135°	506.3	506.0	505.7	504.7	503.1	501.5	499.9	498.3	499.9	501.5	503.1
137.5°	539.5	539.0	538.7	537.8	536.5	535.2	533.9	532.5	533.9	535.2	536.5
140°	561.0	560.3	559.5	558.5	557.1	555.8	554.5	553.2	554.5	555.8	557.1
142.5°	581.6	581.0	580.6	579.6	578.4	577.0	575.7	574.4	575.7	577.0	578.4
145°	611.6	610.7	609.8	608.9	607.9	606.8	605.8	604.8	605.8	606.8	607.9
147.5°	638.9	638.4	637.8	636.9	635.6	634.4	633.1	632.0	633.1	634.4	635.6
150°	655.9	655.3	654.7	654.0	653.1	652.2	651.3	650.4	651.3	652.2	653.1
152.5°	672.6	671.9	671.2	670.4	669.5	668.6	667.7	666.8	667.7	668.6	669.5
155°	694.6	694.1	693.7	693.2	692.8	692.3	691.9	691.4	691.9	692.3	692.8
157.5°	714.5	714.3	714.0	713.7	713.4	713.1	712.8	712.5	712.8	713.1	713.4
160°	726.9	726.7	726.7	726.4	726.1	725.8	725.5	725.2	725.5	725.8	726.1
162.5°	737.5	737.4	737.2	737.1	737.0	737.0	736.9	736.8	736.9	737.0	737.0
165°	751.7	751.7	751.7	751.8	751.9	752.1	752.2	752.3	752.2	752.1	751.9
167.5°	763.2	763.3	763.3	763.6	764.0	764.5	764.9	765.4	764.9	764.5	764.0
170°	769.8	770.0	770.2	770.4	770.9	771.3	771.8	772.2	771.8	771.3	770.9
172.5°	774.6	774.7	774.9	775.2	775.6	776.1	776.5	776.9	776.5	776.1	775.6
175°	780.1	780.3	780.7	781.0	781.5	781.9	782.4	782.7	782.4	781.9	781.5
177.5°	783.0	783.2	783.5	783.7	784.1	784.4	784.8	785.2	784.8	784.4	784.1
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1



TEST NUMBER: P331532-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-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°	7.8	7.8	8.1	8.8	9.1	9.4	8.9	8.9	8.8	8.0	8.0
90°	7.8	10.3	13.5	16.7	19.9	23.2	22.8	22.6	22.3	22.0	21.9
92.5°	16.9	18.0	18.7	19.5	20.2	21.0	21.1	21.1	21.2	21.3	21.3
95°	40.3	41.2	41.5	41.7	42.1	42.4	42.4	42.4	42.4	42.4	42.2
97.5°	68.0	68.9	69.6	70.1	70.6	71.2	71.2	71.2	71.2	71.2	71.2
100°	88.7	89.5	90.0	90.4	90.9	91.3	91.3	91.3	91.3	91.3	91.2
102.5°	110.0	110.8	111.4	111.9	112.4	113.0	113.2	113.2	113.3	113.5	113.5
105°	144.0	144.4	144.7	145.0	145.3	145.6	145.9	146.2	146.4	146.8	146.9
107.5°	181.1	181.5	181.5	181.5	181.5	181.5	181.6	181.6	181.8	181.9	181.6
110°	205.4	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.5



TEST NUMBER: P331532-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	230.8	231.1	231.0	230.9	230.8	230.7	230.3	230.0	229.6	229.3	228.9
115°	268.2	268.5	268.2	267.9	267.6	267.3	267.2	267.1	266.9	266.7	266.4
117.5°	306.7	306.8	306.0	305.2	304.4	303.6	303.3	302.9	302.6	302.2	301.8
120°	331.5	331.5	330.4	329.2	328.1	326.9	326.9	326.9	326.9	326.9	326.6
122.5°	355.3	355.6	354.7	353.9	353.1	352.3	352.0	351.6	351.2	350.9	350.5
125°	390.4	390.8	390.4	389.9	389.5	389.1	388.6	388.2	387.7	387.3	387.0
127.5°	426.3	427.0	426.4	425.9	425.3	424.8	424.3	423.7	423.2	422.7	422.2
130°	449.0	449.8	449.5	449.2	448.9	448.6	448.4	448.1	447.7	447.5	447.0
132.5°	471.9	472.8	472.8	472.9	473.0	473.0	472.3	471.7	471.0	470.4	469.8
135°	504.7	505.7	506.0	506.3	506.6	506.8	506.7	506.6	506.4	506.3	506.0
137.5°	537.8	538.7	539.0	539.5	539.8	540.2	540.1	539.9	539.8	539.8	539.4
140°	558.5	559.5	560.3	561.0	561.7	562.4	562.4	562.4	562.4	562.4	562.1
142.5°	579.6	580.6	581.0	581.6	582.0	582.6	582.6	582.8	582.9	583.0	582.8
145°	608.9	609.8	610.7	611.6	612.5	613.4	613.5	613.7	613.9	613.9	613.8
147.5°	636.9	637.8	638.4	638.9	639.5	640.2	640.4	640.8	641.1	641.4	641.3
150°	654.0	654.7	655.3	655.9	656.5	657.1	657.5	657.9	658.4	658.8	658.8
152.5°	670.4	671.2	671.9	672.6	673.3	674.0	674.6	675.1	675.6	676.3	676.3
155°	693.2	693.7	694.1	694.6	695.0	695.4	696.2	696.9	697.7	698.4	698.6
157.5°	713.7	714.0	714.3	714.5	714.8	715.1	716.0	717.0	718.0	719.0	719.2
160°	726.4	726.7	726.7	726.9	727.0	727.2	728.1	729.0	729.9	730.8	730.8
162.5°	737.1	737.2	737.4	737.5	737.6	737.8	738.8	739.8	740.8	741.8	741.9
165°	751.8	751.7	751.7	751.7	751.7	751.7	752.7	753.8	754.7	755.8	756.0
167.5°	763.6	763.3	763.3	763.2	763.2	763.2	764.2	765.3	766.2	767.3	767.4
170°	770.4	770.2	770.0	769.8	769.7	769.5	770.6	771.6	772.7	773.6	773.7
172.5°	775.2	774.9	774.7	774.6	774.5	774.3	775.3	776.4	777.4	778.5	778.5
175°	781.0	780.7	780.3	780.1	779.8	779.4	780.5	781.5	782.6	783.6	783.6
177.5°	783.7	783.5	783.2	783.0	782.7	782.5	783.2	783.9	784.6	785.3	785.3
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1



TEST NUMBER: P331532-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-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°	8.0	7.8	7.8	7.4	7.8	7.8	8.0	8.0	8.0	8.8	8.9
90°	22.0	22.2	22.4	22.5	22.4	22.2	22.0	21.9	22.0	22.3	22.6
92.5°	21.3	21.4	21.4	21.4	21.4	21.4	21.3	21.3	21.3	21.2	21.1
95°	41.9	41.6	41.3	41.0	41.3	41.6	41.9	42.2	42.4	42.4	42.4
97.5°	71.2	71.2	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2
100°	91.1	91.0	90.8	90.7	90.8	91.0	91.1	91.2	91.3	91.3	91.3
102.5°	113.3	113.2	113.1	112.9	113.1	113.2	113.3	113.5	113.5	113.3	113.2
105°	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.8	146.4	146.2
107.5°	180.9	180.3	179.6	179.0	179.6	180.3	180.9	181.6	181.9	181.8	181.6
110°	205.1	204.6	204.2	203.8	204.2	204.6	205.1	205.5	205.8	205.8	205.8



TEST NUMBER: P331532-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	228.6	228.3	227.9	227.7	227.9	228.3	228.6	228.9	229.3	229.6	230.0
115°	266.0	265.6	265.1	264.7	265.1	265.6	266.0	266.4	266.7	266.9	267.1
117.5°	301.3	300.9	300.4	300.0	300.4	300.9	301.3	301.8	302.2	302.6	302.9
120°	326.2	325.7	325.3	324.9	325.3	325.7	326.2	326.6	326.9	326.9	326.9
122.5°	350.2	349.9	349.6	349.3	349.6	349.9	350.2	350.5	350.9	351.2	351.6
125°	386.9	386.7	386.6	386.5	386.6	386.7	386.9	387.0	387.3	387.7	388.2
127.5°	421.7	421.2	420.8	420.4	420.8	421.2	421.7	422.2	422.7	423.2	423.7
130°	446.4	445.9	445.2	444.7	445.2	445.9	446.4	447.0	447.5	447.7	448.1
132.5°	469.4	468.9	468.4	468.0	468.4	468.9	469.4	469.8	470.4	471.0	471.7
135°	505.5	505.1	504.6	504.2	504.6	505.1	505.5	506.0	506.3	506.4	506.6
137.5°	538.8	538.2	537.6	537.0	537.6	538.2	538.8	539.4	539.8	539.8	539.9
140°	561.6	561.0	560.4	559.8	560.4	561.0	561.6	562.1	562.4	562.4	562.4
142.5°	582.2	581.6	581.0	580.4	581.0	581.6	582.2	582.8	583.0	582.9	582.8
145°	613.1	612.6	612.0	611.4	612.0	612.6	613.1	613.8	613.9	613.9	613.7
147.5°	640.8	640.2	639.6	639.1	639.6	640.2	640.8	641.3	641.4	641.1	640.8
150°	658.4	657.9	657.5	657.1	657.5	657.9	658.4	658.8	658.8	658.4	657.9
152.5°	675.6	675.1	674.6	674.0	674.6	675.1	675.6	676.3	676.3	675.6	675.1
155°	698.1	697.7	697.2	696.8	697.2	697.7	698.1	698.6	698.4	697.7	696.9
157.5°	718.5	717.7	717.0	716.3	717.0	717.7	718.5	719.2	719.0	718.0	717.0
160°	730.3	729.7	729.2	728.5	729.2	729.7	730.3	730.8	730.8	729.9	729.0
162.5°	741.2	740.6	739.9	739.1	739.9	740.6	741.2	741.9	741.8	740.8	739.8
165°	755.2	754.5	753.8	753.0	753.8	754.5	755.2	756.0	755.8	754.7	753.8
167.5°	766.7	765.9	765.2	764.4	765.2	765.9	766.7	767.4	767.3	766.2	765.3
170°	772.8	772.0	771.1	770.2	771.1	772.0	772.8	773.7	773.6	772.7	771.6
172.5°	777.7	776.8	775.9	775.0	775.9	776.8	777.7	778.5	778.5	777.4	776.4
175°	782.7	781.9	781.0	780.2	781.0	781.9	782.7	783.6	783.6	782.6	781.5
177.5°	784.6	783.9	783.2	782.5	783.2	783.9	784.6	785.3	785.3	784.6	783.9
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1



TEST NUMBER: P331532-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-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°	8.9	9.4	9.1	8.8	8.1	7.8	7.8	7.8	8.1	8.1	8.1
90°	22.8	23.2	19.9	16.7	13.5	10.3	7.8	6.0	4.2	2.4	0.6
92.5°	21.1	21.0	20.2	19.5	18.7	18.0	16.9	15.7	14.4	13.1	11.8
95°	42.4	42.4	42.1	41.7	41.5	41.2	40.3	38.8	37.4	35.8	34.4
97.5°	71.2	71.2	70.6	70.1	69.6	68.9	68.0	66.7	65.5	64.1	62.9
100°	91.3	91.3	90.9	90.4	90.0	89.5	88.7	87.6	86.4	85.2	84.0
102.5°	113.2	113.0	112.4	111.9	111.4	110.8	110.0	109.1	108.2	107.2	106.3
105°	145.9	145.6	145.3	145.0	144.7	144.4	144.0	143.6	143.1	142.7	142.2
107.5°	181.6	181.5	181.5	181.5	181.5	181.5	181.1	180.5	179.9	179.1	178.5
110°	205.8	205.8	205.8	205.8	205.8	205.8	205.4	204.5	203.6	202.7	201.8



TEST NUMBER: P331532-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	230.3	230.7	230.8	230.9	231.0	231.1	230.8	229.9	229.0	228.1	227.2
115°	267.2	267.3	267.6	267.9	268.2	268.5	268.2	267.3	266.4	265.6	264.7
117.5°	303.3	303.6	304.4	305.2	306.0	306.8	306.7	305.5	304.3	303.2	302.0
120°	326.9	326.9	328.1	329.2	330.4	331.5	331.5	330.4	329.2	328.1	326.9
122.5°	352.0	352.3	353.1	353.9	354.7	355.6	355.3	353.8	352.5	351.1	349.6
125°	388.6	389.1	389.5	389.9	390.4	390.8	390.4	389.1	387.7	386.5	385.1
127.5°	424.3	424.8	425.3	425.9	426.4	427.0	426.3	424.6	423.0	421.3	419.6
130°	448.4	448.6	448.9	449.2	449.5	449.8	449.0	447.1	445.1	443.3	441.3
132.5°	472.3	473.0	473.0	472.9	472.8	472.8	471.9	470.4	468.9	467.3	465.7
135°	506.7	506.8	506.6	506.3	506.0	505.7	504.7	503.1	501.5	499.9	498.3
137.5°	540.1	540.2	539.8	539.5	539.0	538.7	537.8	536.5	535.2	533.9	532.5
140°	562.4	562.4	561.7	561.0	560.3	559.5	558.5	557.1	555.8	554.5	553.2
142.5°	582.6	582.6	582.0	581.6	581.0	580.6	579.6	578.4	577.0	575.7	574.4
145°	613.5	613.4	612.5	611.6	610.7	609.8	608.9	607.9	606.8	605.8	604.8
147.5°	640.4	640.2	639.5	638.9	638.4	637.8	636.9	635.6	634.4	633.1	632.0
150°	657.5	657.1	656.5	655.9	655.3	654.7	654.0	653.1	652.2	651.3	650.4
152.5°	674.6	674.0	673.3	672.6	671.9	671.2	670.4	669.5	668.6	667.7	666.8
155°	696.2	695.4	695.0	694.6	694.1	693.7	693.2	692.8	692.3	691.9	691.4
157.5°	716.0	715.1	714.8	714.5	714.3	714.0	713.7	713.4	713.1	712.8	712.5
160°	728.1	727.2	727.0	726.9	726.7	726.7	726.4	726.1	725.8	725.5	725.2
162.5°	738.8	737.8	737.6	737.5	737.4	737.2	737.1	737.0	737.0	736.9	736.8
165°	752.7	751.7	751.7	751.7	751.7	751.7	751.8	751.9	752.1	752.2	752.3
167.5°	764.2	763.2	763.2	763.2	763.3	763.3	763.6	764.0	764.5	764.9	765.4
170°	770.6	769.5	769.7	769.8	770.0	770.2	770.4	770.9	771.3	771.8	772.2
172.5°	775.3	774.3	774.5	774.6	774.7	774.9	775.2	775.6	776.1	776.5	776.9
175°	780.5	779.4	779.8	780.1	780.3	780.7	781.0	781.5	781.9	782.4	782.7
177.5°	783.2	782.5	782.7	783.0	783.2	783.5	783.7	784.1	784.4	784.8	785.2
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1



TEST NUMBER: P331532-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-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°	9.6	11.4	11.8	13.2	12.9	13.6	14.3	14.5	14.8	14.4	14.0
90°	2.4	4.2	6.0	7.8	10.3	13.5	16.7	19.9	23.2	22.8	22.6
92.5°	13.1	14.4	15.7	16.9	18.0	18.7	19.5	20.2	21.0	21.1	21.1
95°	35.8	37.4	38.8	40.3	41.2	41.5	41.7	42.1	42.4	42.4	42.4
97.5°	64.1	65.5	66.7	68.0	68.9	69.6	70.1	70.6	71.2	71.2	71.2
100°	85.2	86.4	87.6	88.7	89.5	90.0	90.4	90.9	91.3	91.3	91.3
102.5°	107.2	108.2	109.1	110.0	110.8	111.4	111.9	112.4	113.0	113.2	113.2
105°	142.7	143.1	143.6	144.0	144.4	144.7	145.0	145.3	145.6	145.9	146.2
107.5°	179.1	179.9	180.5	181.1	181.5	181.5	181.5	181.5	181.5	181.6	181.6
110°	202.7	203.6	204.5	205.4	205.8	205.8	205.8	205.8	205.8	205.8	205.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	228.1	229.0	229.9	230.8	231.1	231.0	230.9	230.8	230.7	230.3	230.0
115°	265.6	266.4	267.3	268.2	268.5	268.2	267.9	267.6	267.3	267.2	267.1
117.5°	303.2	304.3	305.5	306.7	306.8	306.0	305.2	304.4	303.6	303.3	302.9
120°	328.1	329.2	330.4	331.5	331.5	330.4	329.2	328.1	326.9	326.9	326.9
122.5°	351.1	352.5	353.8	355.3	355.6	354.7	353.9	353.1	352.3	352.0	351.6
125°	386.5	387.7	389.1	390.4	390.8	390.4	389.9	389.5	389.1	388.6	388.2
127.5°	421.3	423.0	424.6	426.3	427.0	426.4	425.9	425.3	424.8	424.3	423.7
130°	443.3	445.1	447.1	449.0	449.8	449.5	449.2	448.9	448.6	448.4	448.1
132.5°	467.3	468.9	470.4	471.9	472.8	472.8	472.9	473.0	473.0	472.3	471.7
135°	499.9	501.5	503.1	504.7	505.7	506.0	506.3	506.6	506.8	506.7	506.6
137.5°	533.9	535.2	536.5	537.8	538.7	539.0	539.5	539.8	540.2	540.1	539.9
140°	554.5	555.8	557.1	558.5	559.5	560.3	561.0	561.7	562.4	562.4	562.4
142.5°	575.7	577.0	578.4	579.6	580.6	581.0	581.6	582.0	582.6	582.6	582.8
145°	605.8	606.8	607.9	608.9	609.8	610.7	611.6	612.5	613.4	613.5	613.7
147.5°	633.1	634.4	635.6	636.9	637.8	638.4	638.9	639.5	640.2	640.4	640.8
150°	651.3	652.2	653.1	654.0	654.7	655.3	655.9	656.5	657.1	657.5	657.9
152.5°	667.7	668.6	669.5	670.4	671.2	671.9	672.6	673.3	674.0	674.6	675.1
155°	691.9	692.3	692.8	693.2	693.7	694.1	694.6	695.0	695.4	696.2	696.9
157.5°	712.8	713.1	713.4	713.7	714.0	714.3	714.5	714.8	715.1	716.0	717.0
160°	725.5	725.8	726.1	726.4	726.7	726.7	726.9	727.0	727.2	728.1	729.0
162.5°	736.9	737.0	737.0	737.1	737.2	737.4	737.5	737.6	737.8	738.8	739.8
165°	752.2	752.1	751.9	751.8	751.7	751.7	751.7	751.7	751.7	752.7	753.8
167.5°	764.9	764.5	764.0	763.6	763.3	763.3	763.2	763.2	763.2	764.2	765.3
170°	771.8	771.3	770.9	770.4	770.2	770.0	769.8	769.7	769.5	770.6	771.6
172.5°	776.5	776.1	775.6	775.2	774.9	774.7	774.6	774.5	774.3	775.3	776.4
175°	782.4	781.9	781.5	781.0	780.7	780.3	780.1	779.8	779.4	780.5	781.5
177.5°	784.8	784.4	784.1	783.7	783.5	783.2	783.0	782.7	782.5	783.2	783.9
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1



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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°	14.3	14.3	13.8	13.9	14.3	13.9	14.0
90°	22.3	22.0	21.9	22.0	22.2	22.4	22.5
92.5°	21.2	21.3	21.3	21.3	21.4	21.4	21.4
95°	42.4	42.4	42.2	41.9	41.6	41.3	41.0
97.5°	71.2	71.2	71.2	71.2	71.2	71.1	71.1
100°	91.3	91.3	91.2	91.1	91.0	90.8	90.7
102.5°	113.3	113.5	113.5	113.3	113.2	113.1	112.9
105°	146.4	146.8	146.9	146.9	146.9	146.9	146.9
107.5°	181.8	181.9	181.6	180.9	180.3	179.6	179.0
110°	205.8	205.8	205.5	205.1	204.6	204.2	203.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	229.6	229.3	228.9	228.6	228.3	227.9	227.7
115°	266.9	266.7	266.4	266.0	265.6	265.1	264.7
117.5°	302.6	302.2	301.8	301.3	300.9	300.4	300.0
120°	326.9	326.9	326.6	326.2	325.7	325.3	324.9
122.5°	351.2	350.9	350.5	350.2	349.9	349.6	349.3
125°	387.7	387.3	387.0	386.9	386.7	386.6	386.5
127.5°	423.2	422.7	422.2	421.7	421.2	420.8	420.4
130°	447.7	447.5	447.0	446.4	445.9	445.2	444.7
132.5°	471.0	470.4	469.8	469.4	468.9	468.4	468.0
135°	506.4	506.3	506.0	505.5	505.1	504.6	504.2
137.5°	539.8	539.8	539.4	538.8	538.2	537.6	537.0
140°	562.4	562.4	562.1	561.6	561.0	560.4	559.8
142.5°	582.9	583.0	582.8	582.2	581.6	581.0	580.4
145°	613.9	613.9	613.8	613.1	612.6	612.0	611.4
147.5°	641.1	641.4	641.3	640.8	640.2	639.6	639.1
150°	658.4	658.8	658.8	658.4	657.9	657.5	657.1
152.5°	675.6	676.3	676.3	675.6	675.1	674.6	674.0
155°	697.7	698.4	698.6	698.1	697.7	697.2	696.8
157.5°	718.0	719.0	719.2	718.5	717.7	717.0	716.3
160°	729.9	730.8	730.8	730.3	729.7	729.2	728.5
162.5°	740.8	741.8	741.9	741.2	740.6	739.9	739.1
165°	754.7	755.8	756.0	755.2	754.5	753.8	753.0
167.5°	766.2	767.3	767.4	766.7	765.9	765.2	764.4
170°	772.7	773.6	773.7	772.8	772.0	771.1	770.2
172.5°	777.4	778.5	778.5	777.7	776.8	775.9	775.0
175°	782.6	783.6	783.6	782.7	781.9	781.0	780.2
177.5°	784.6	785.3	785.3	784.6	783.9	783.2	782.5
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1

(END OF REPORT)