

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: P331532-935

Luminaire Tested: **S122DIW-S675D710U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331532-935
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-S675D710U935-4F0-1E-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: 4643.1 lumens
Efficiency: N/A
Efficacy: 103.2 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

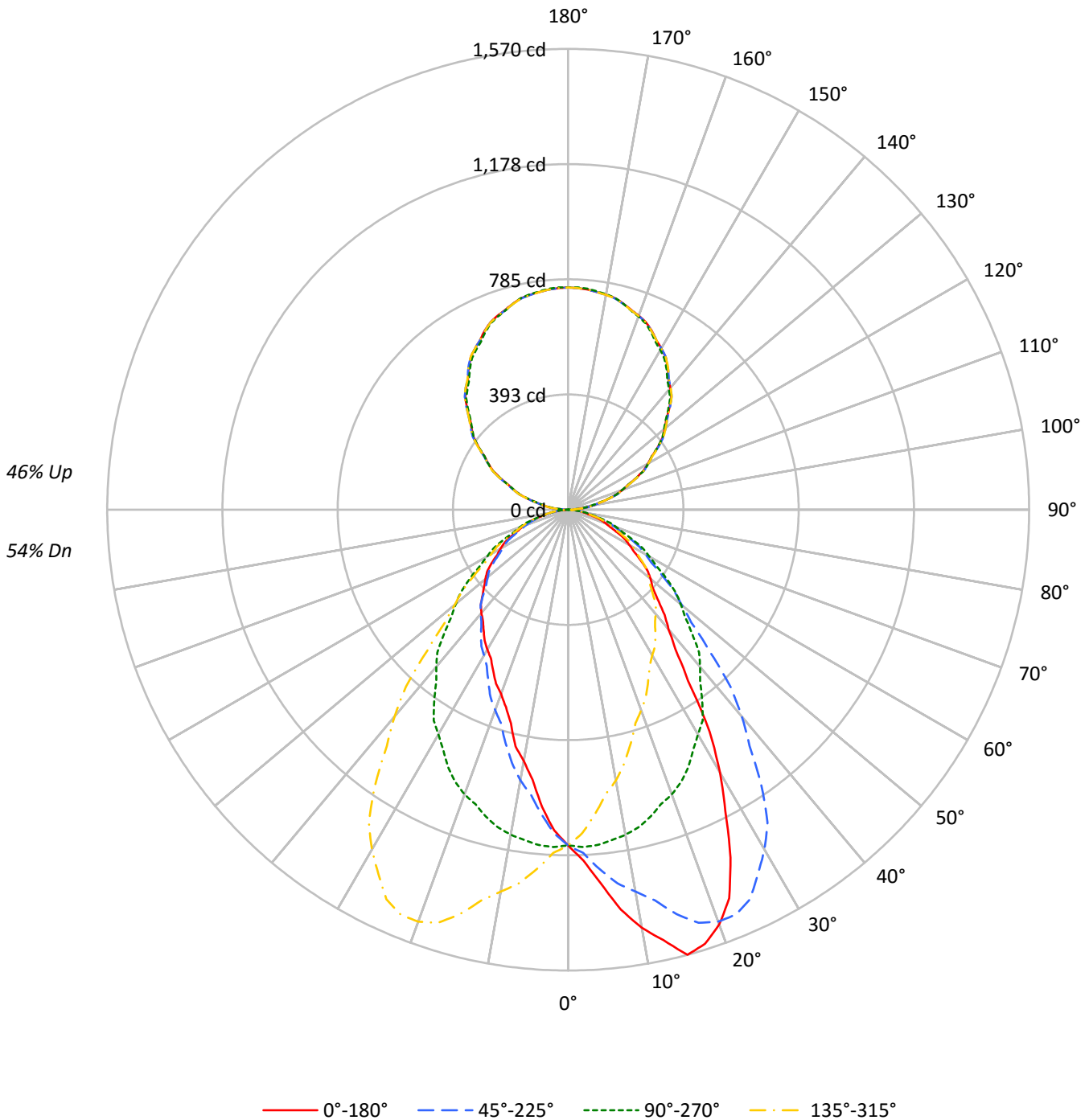
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18466	18466	18466	18466
5°	20702	18585	16470	18585
10°	23722	18433	14254	18433
15°	26242	18094	12593	18094
20°	25844	17732	11478	17732
25°	23302	17250	10774	17250
30°	19257	16479	10260	16479
35°	14034	15672	9895	15672
40°	11209	14720	9691	14720
45°	9796	13618	9412	13618
50°	9206	12552	9231	12552
55°	8487	11468	8982	11468
60°	7776	10317	8603	10317
65°	7087	9287	8225	9287
70°	6430	8280	7676	8280
75°	5702	7155	6800	7155
80°	4909	5923	5477	5923
85°	4409	4409	3260	4409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	2.3
10°-20°	316.6	6.8
20°-30°	459.5	9.9
30°-40°	484.9	10.4
40°-50°	429.4	9.2
50°-60°	342.6	7.4
60°-70°	232.9	5.0
70°-80°	119.4	2.6
80°-90°	31.8	0.7
90°-100°	48.0	1.0
100°-110°	149.0	3.2
110°-120°	254.7	5.5
120°-130°	334.9	7.2
130°-140°	375.9	8.1
140°-150°	368.6	7.9
150°-160°	309.2	6.7
160°-170°	205.1	4.4
170°-180°	71.7	1.5
0°-30°	885.1	19.1
0°-40°	1370.0	29.5
0°-60°	2142.0	46.1
0°-90°	2526.1	54.4
90°-120°	451.7	9.7
90°-150°	1531.1	33.0
90°-180°	2117.0	45.6
0°-180°	4643.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1144	1144	1144	1144	1144	
5°	1277	1147	1016	1147	1277	128
15°	1570	1082	753	1082	1570	433
25°	1308	968	605	968	1308	591
35°	712	795	502	795	712	463
45°	429	596	412	596	429	337
55°	302	407	319	407	302	270
65°	186	243	215	243	186	184
75°	91	115	109	115	91	98
85°	24	24	18	24	24	27
90°	22	1	22	1	22	11
95°	40	33	40	33	40	44
105°	142	137	142	137	142	149
115°	256	256	256	256	256	252
125°	373	372	373	372	373	333
135°	487	481	487	481	487	375
145°	590	584	590	584	590	369
155°	673	668	673	668	673	310
165°	727	726	727	726	727	205
175°	753	756	753	756	753	72
180°	757	757	757	757	757	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1196.4	1196.7	1197.5	1191.8	1191.1	1191.1	1186.2	1182.0	1177.1	1170.4	1171.0
5°	1277.3	1282.1	1283.8	1278.6	1270.7	1269.8	1262.3	1250.0	1238.5	1229.3	1222.8
7.5°	1373.8	1375.7	1371.4	1364.4	1358.6	1348.1	1334.1	1320.5	1301.4	1283.9	1270.9
10°	1446.9	1449.6	1442.1	1432.0	1423.7	1411.4	1391.1	1370.5	1345.4	1321.2	1301.8
12.5°	1502.4	1509.0	1499.4	1498.1	1483.8	1466.9	1442.8	1432.4	1397.1	1363.4	1342.6
15°	1569.9	1569.5	1570.5	1562.1	1551.5	1548.9	1523.4	1495.7	1446.0	1426.2	1392.0
17.5°	1550.5	1557.1	1560.2	1560.1	1559.9	1558.2	1550.1	1532.6	1507.7	1475.6	1436.0
20°	1504.1	1512.9	1514.2	1524.3	1530.0	1537.5	1540.5	1535.7	1520.4	1493.5	1459.2
22.5°	1432.4	1434.8	1438.9	1454.7	1467.1	1485.7	1495.6	1511.8	1505.9	1492.8	1464.1
25°	1308.0	1303.6	1319.1	1326.9	1355.5	1385.3	1407.0	1430.6	1451.7	1464.5	1456.1
27.5°	1158.7	1152.2	1175.2	1196.2	1219.4	1251.8	1285.4	1325.0	1358.0	1399.2	1413.3
30°	1032.9	1036.8	1058.9	1081.2	1116.4	1162.1	1199.9	1243.5	1290.5	1336.6	1368.6
32.5°	897.2	912.4	926.3	960.6	991.5	1042.6	1097.9	1152.4	1211.0	1263.4	1313.1
35°	712.0	729.6	749.0	774.0	817.5	868.1	922.1	995.5	1075.6	1147.2	1206.1
37.5°	599.3	596.5	607.6	625.7	661.0	701.7	764.0	836.5	930.7	1014.9	1097.9
40°	531.8	530.0	538.0	554.7	581.5	611.4	665.9	729.6	817.1	919.9	1018.8
42.5°	485.4	486.5	490.9	502.7	521.0	545.6	586.4	640.7	720.7	817.6	923.9
45°	429.0	432.0	436.9	442.6	453.1	473.4	496.2	534.9	598.2	679.1	783.7
47.5°	388.4	388.5	393.4	398.4	404.7	416.0	434.7	458.9	503.6	569.5	659.4
50°	366.5	363.5	367.0	370.9	377.5	385.5	397.8	420.6	450.5	503.7	578.9
52.5°	339.8	339.9	343.1	344.6	350.5	358.3	369.6	385.5	412.5	454.1	515.9
55°	301.5	303.7	305.5	308.1	313.4	319.1	327.9	338.5	359.6	390.7	436.4
57.5°	265.4	266.1	267.9	272.9	276.3	281.5	289.9	299.5	313.2	336.3	370.7
60°	240.8	240.8	244.4	246.6	251.0	256.2	262.9	272.1	284.4	303.2	331.0
62.5°	218.3	218.0	219.4	223.0	226.4	231.3	237.9	245.7	257.3	274.1	296.9
65°	185.5	184.6	187.3	188.1	191.7	196.5	201.7	210.1	219.3	231.6	251.8
67.5°	153.9	154.9	156.3	158.0	159.9	165.0	168.5	174.4	182.2	192.4	206.1
70°	136.2	136.2	136.2	137.6	140.2	142.8	146.4	151.2	158.7	167.5	179.8
72.5°	116.6	118.0	119.3	118.6	121.9	123.5	127.7	130.4	137.6	143.2	154.1
75°	91.4	91.4	91.4	93.6	95.0	96.3	98.9	101.5	105.0	112.1	117.8
77.5°	68.2	68.0	68.4	69.0	70.4	72.0	72.8	75.2	78.4	81.6	86.5
80°	52.8	53.6	54.1	54.9	54.9	55.8	56.2	59.3	61.6	63.7	66.8
82.5°	40.8	41.0	41.1	41.2	41.6	42.1	43.2	44.3	45.0	46.8	49.2
85°	23.8	23.3	23.3	24.2	23.8	23.8	24.6	25.5	25.5	25.9	27.2
87.5°	13.5	13.4	13.8	13.4	13.3	13.8	13.8	13.5	13.9	14.3	14.0
90°	21.7	21.6	21.4	21.3	21.2	21.3	21.5	21.8	22.0	22.4	19.2
92.5°	20.7	20.7	20.7	20.6	20.6	20.6	20.5	20.4	20.4	20.3	19.5
95°	39.6	39.9	40.2	40.5	40.7	40.9	40.9	40.9	40.9	40.9	40.6
97.5°	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.2
100°	87.6	87.6	87.8	88.0	88.1	88.2	88.2	88.2	88.2	88.2	87.7
102.5°	109.0	109.2	109.3	109.4	109.6	109.6	109.4	109.3	109.3	109.1	108.6
105°	141.8	141.8	141.8	141.8	141.8	141.7	141.4	141.1	140.9	140.6	140.3
107.5°	172.8	173.4	174.1	174.7	175.4	175.6	175.6	175.4	175.3	175.2	175.2
110°	196.8	197.2	197.6	198.0	198.5	198.7	198.7	198.7	198.7	198.7	198.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	219.8	220.1	220.4	220.8	221.0	221.4	221.7	222.1	222.4	222.7	222.8
115°	255.5	256.0	256.4	256.8	257.3	257.5	257.7	257.9	258.0	258.1	258.4
117.5°	289.6	290.1	290.5	290.9	291.4	291.8	292.1	292.5	292.8	293.2	293.9
120°	313.7	314.1	314.5	315.0	315.4	315.6	315.6	315.6	315.6	315.6	316.8
122.5°	337.3	337.5	337.9	338.1	338.5	338.8	339.1	339.5	339.8	340.2	341.0
125°	373.2	373.2	373.4	373.6	373.7	373.9	374.4	374.8	375.2	375.7	376.1
127.5°	405.9	406.3	406.7	407.2	407.7	408.1	408.6	409.1	409.7	410.2	410.7
130°	429.4	429.9	430.5	431.0	431.6	432.0	432.3	432.7	432.9	433.2	433.4
132.5°	451.9	452.3	452.7	453.2	453.7	454.2	454.8	455.5	456.1	456.7	456.7
135°	486.8	487.2	487.7	488.1	488.5	488.9	489.0	489.1	489.2	489.4	489.1
137.5°	518.5	519.1	519.7	520.2	520.8	521.2	521.2	521.3	521.5	521.6	521.2
140°	540.5	541.1	541.7	542.3	542.8	543.0	543.0	543.0	543.0	543.0	542.3
142.5°	560.4	561.0	561.5	562.1	562.7	562.9	562.8	562.7	562.6	562.5	562.0
145°	590.4	590.9	591.5	592.0	592.6	592.8	592.7	592.5	592.4	592.3	591.4
147.5°	617.1	617.6	618.1	618.7	619.2	619.3	619.0	618.7	618.4	618.1	617.5
150°	634.5	634.9	635.2	635.7	636.1	636.1	635.7	635.2	634.9	634.5	633.9
152.5°	650.8	651.3	651.9	652.4	653.0	653.0	652.4	651.9	651.3	650.8	650.1
155°	672.8	673.2	673.6	674.1	674.5	674.3	673.6	672.9	672.2	671.5	671.1
157.5°	691.6	692.3	693.0	693.7	694.4	694.2	693.3	692.3	691.4	690.4	690.2
160°	703.4	704.0	704.6	705.2	705.7	705.6	704.7	703.9	703.0	702.1	702.0
162.5°	713.7	714.4	715.1	715.7	716.4	716.3	715.3	714.3	713.3	712.4	712.2
165°	727.1	727.8	728.5	729.2	730.0	729.8	728.8	727.8	726.8	725.8	725.8
167.5°	738.0	738.8	739.5	740.3	741.0	740.9	739.9	738.9	737.9	736.9	736.9
170°	743.6	744.5	745.4	746.2	747.1	747.0	746.1	745.0	744.1	743.0	743.2
172.5°	748.3	749.2	750.0	750.9	751.7	751.7	750.6	749.7	748.6	747.6	747.8
175°	753.3	754.1	755.0	755.8	756.6	756.6	755.6	754.6	753.6	752.6	752.9
177.5°	755.5	756.2	756.9	757.6	758.3	758.3	757.6	756.9	756.2	755.5	755.8
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1173.5	1170.7	1169.0	1162.6	1157.0	1151.4	1149.6	1150.3	1142.6	1135.2	1132.0
5°	1219.3	1210.5	1202.1	1190.2	1176.2	1160.8	1152.9	1146.7	1131.4	1114.7	1105.0
7.5°	1260.2	1247.7	1231.6	1209.2	1188.8	1164.6	1149.2	1135.6	1113.0	1089.5	1075.0
10°	1285.2	1268.0	1247.3	1220.1	1195.1	1165.6	1145.0	1124.3	1097.9	1069.8	1052.2
12.5°	1306.7	1283.5	1263.2	1228.2	1198.6	1161.7	1137.2	1108.1	1080.4	1047.0	1029.8
15°	1357.7	1315.1	1276.3	1236.8	1200.3	1148.9	1121.7	1082.5	1046.0	1004.8	985.0
17.5°	1397.1	1349.3	1288.3	1238.0	1195.5	1138.6	1098.5	1051.7	1008.6	961.3	934.4
20°	1419.7	1364.7	1299.2	1239.5	1188.4	1123.4	1080.0	1032.0	981.5	928.2	899.2
22.5°	1433.0	1375.3	1310.5	1234.2	1174.4	1111.1	1056.4	1003.8	952.6	895.3	864.8
25°	1437.3	1384.5	1316.0	1229.8	1156.8	1085.2	1019.3	968.3	906.3	852.6	808.3
27.5°	1416.3	1378.5	1312.6	1221.5	1136.5	1052.7	979.3	921.5	856.1	797.9	753.3
30°	1390.7	1368.6	1304.5	1213.1	1120.3	1030.3	949.3	883.9	818.8	759.9	714.2
32.5°	1350.9	1346.2	1289.8	1201.1	1103.1	1001.8	918.1	851.9	779.8	721.9	678.4
35°	1272.9	1294.0	1258.4	1174.4	1070.7	961.2	870.7	795.1	720.4	665.0	624.1
37.5°	1168.3	1220.6	1211.3	1135.3	1026.9	917.1	817.2	738.1	666.9	611.1	570.9
40°	1096.1	1163.0	1172.7	1105.4	996.0	883.0	777.1	698.4	629.0	578.0	537.5
42.5°	1018.8	1096.9	1123.4	1069.5	962.2	847.1	741.2	659.7	591.0	541.4	505.6
45°	889.2	992.5	1040.3	1009.6	905.9	788.1	679.1	596.4	534.0	487.4	459.8
47.5°	767.9	880.8	945.2	934.4	843.2	726.5	618.8	539.5	478.7	441.5	416.7
50°	682.2	798.1	876.0	879.5	798.1	682.6	574.5	499.7	443.9	409.2	389.0
52.5°	607.6	718.3	803.2	821.8	747.9	636.9	534.8	460.4	411.2	379.3	361.2
55°	510.3	603.9	697.9	732.3	672.9	567.4	472.9	407.4	361.3	339.3	323.5
57.5°	424.2	502.3	589.2	627.1	590.5	500.2	411.6	354.7	317.3	298.0	285.9
60°	378.8	440.4	517.7	563.0	531.4	451.0	373.6	319.5	288.8	271.6	260.2
62.5°	336.7	391.2	456.6	498.0	480.8	404.9	335.6	287.9	261.3	245.2	237.0
65°	277.8	320.9	371.4	409.7	398.2	340.6	284.0	243.1	222.0	209.2	202.6
67.5°	228.8	259.8	294.9	328.4	319.2	278.4	232.9	201.0	185.3	174.4	170.4
70°	197.8	221.5	252.7	279.6	272.1	238.7	202.6	175.4	161.8	152.5	148.5
72.5°	168.2	187.8	211.5	233.5	228.4	200.7	170.7	150.1	139.6	131.0	127.8
75°	127.0	142.0	156.4	171.0	169.6	148.1	130.5	114.7	106.3	99.8	98.4
77.5°	93.8	102.1	112.0	120.6	118.2	105.9	92.1	83.1	76.9	72.5	71.8
80°	71.6	76.5	83.5	89.6	86.6	81.3	70.3	63.7	59.3	54.9	53.2
82.5°	51.9	56.8	61.0	64.3	62.0	57.1	50.3	45.8	43.1	40.2	39.4
85°	27.2	29.9	31.7	32.5	31.7	28.6	25.5	23.8	21.5	20.2	19.8
87.5°	13.8	13.2	12.5	12.7	11.4	11.0	9.3	7.8	7.8	7.8	7.5
90°	16.1	13.0	9.9	7.5	5.8	4.0	2.3	0.6	2.3	4.0	5.8
92.5°	18.9	18.1	17.4	16.4	15.2	13.9	12.7	11.4	12.7	13.9	15.2
95°	40.3	40.0	39.8	38.9	37.5	36.1	34.6	33.2	34.6	36.1	37.5
97.5°	67.7	67.2	66.6	65.7	64.4	63.2	61.9	60.7	61.9	63.2	64.4
100°	87.3	86.9	86.4	85.7	84.6	83.4	82.3	81.1	82.3	83.4	84.6
102.5°	108.1	107.5	106.9	106.2	105.3	104.4	103.5	102.6	103.5	104.4	105.3
105°	140.0	139.7	139.4	139.1	138.6	138.2	137.8	137.3	137.8	138.2	138.6
107.5°	175.2	175.2	175.2	174.9	174.3	173.7	173.0	172.4	173.0	173.7	174.3
110°	198.7	198.7	198.7	198.3	197.4	196.6	195.7	194.8	195.7	196.6	197.4



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	222.9	223.1	223.2	222.8	222.0	221.1	220.2	219.4	220.2	221.1	222.0
115°	258.6	259.0	259.2	259.0	258.1	257.3	256.4	255.5	256.4	257.3	258.1
117.5°	294.7	295.5	296.3	296.1	295.0	293.9	292.7	291.6	292.7	293.9	295.0
120°	317.9	319.0	320.1	320.1	319.0	317.9	316.8	315.6	316.8	317.9	319.0
122.5°	341.7	342.5	343.4	343.0	341.6	340.4	339.0	337.6	339.0	340.4	341.6
125°	376.5	376.9	377.4	376.9	375.7	374.4	373.2	371.9	373.2	374.4	375.7
127.5°	411.2	411.7	412.2	411.6	410.0	408.5	406.8	405.2	406.8	408.5	410.0
130°	433.8	434.0	434.3	433.5	431.7	429.8	428.0	426.1	428.0	429.8	431.7
132.5°	456.6	456.5	456.5	455.6	454.2	452.7	451.2	449.7	451.2	452.7	454.2
135°	488.9	488.5	488.3	487.3	485.8	484.2	482.7	481.1	482.7	484.2	485.8
137.5°	520.9	520.5	520.1	519.3	518.1	516.8	515.5	514.2	515.5	516.8	518.1
140°	541.7	541.0	540.2	539.2	538.0	536.7	535.4	534.2	535.4	536.7	538.0
142.5°	561.5	561.0	560.6	559.6	558.4	557.2	555.9	554.6	555.9	557.2	558.4
145°	590.6	589.7	588.8	588.0	586.9	585.9	585.0	583.9	585.0	585.9	586.9
147.5°	616.9	616.4	615.8	614.9	613.7	612.5	611.3	610.2	611.3	612.5	613.7
150°	633.3	632.7	632.1	631.5	630.6	629.7	628.9	628.0	628.9	629.7	630.6
152.5°	649.5	648.8	648.1	647.3	646.4	645.6	644.7	643.9	644.7	645.6	646.4
155°	670.6	670.2	669.8	669.3	668.9	668.5	668.0	667.6	668.0	668.5	668.9
157.5°	689.9	689.7	689.4	689.1	688.8	688.5	688.3	687.9	688.3	688.5	688.8
160°	701.9	701.7	701.6	701.4	701.1	700.8	700.5	700.3	700.5	700.8	701.1
162.5°	712.1	712.0	711.8	711.7	711.6	711.6	711.5	711.4	711.5	711.6	711.6
165°	725.8	725.8	725.8	725.9	726.0	726.2	726.3	726.4	726.3	726.2	726.0
167.5°	736.9	737.0	737.0	737.3	737.7	738.1	738.6	739.0	738.6	738.1	737.7
170°	743.3	743.5	743.6	743.9	744.3	744.8	745.2	745.6	745.2	744.8	744.3
172.5°	748.0	748.0	748.2	748.5	748.9	749.3	749.8	750.2	749.8	749.3	748.9
175°	753.2	753.5	753.8	754.1	754.6	755.0	755.4	755.8	755.4	755.0	754.6
177.5°	756.0	756.2	756.5	756.7	757.1	757.4	757.8	758.1	757.8	757.4	757.1
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1128.5	1126.4	1119.0	1115.2	1108.8	1102.9	1099.0	1100.8	1102.2	1101.5	1100.4
5°	1096.1	1087.8	1075.0	1064.1	1056.2	1041.6	1035.5	1032.4	1029.8	1026.7	1023.6
7.5°	1057.7	1044.5	1026.2	1010.6	995.7	977.8	967.5	961.3	955.0	948.0	941.9
10°	1030.3	1011.8	992.5	970.4	952.9	936.6	922.1	912.5	903.7	895.4	889.2
12.5°	1001.4	980.2	956.2	926.2	906.8	883.6	881.3	864.3	850.6	845.4	838.2
15°	955.5	925.7	895.4	859.7	844.3	823.2	810.0	796.9	785.0	776.6	774.5
17.5°	903.4	864.7	834.6	809.0	783.8	762.2	750.0	739.4	729.7	718.5	717.0
20°	863.7	830.3	797.3	774.9	749.0	726.9	712.0	701.5	693.1	686.6	680.8
22.5°	826.0	789.5	759.3	734.8	709.2	691.5	679.7	669.5	662.5	655.2	649.9
25°	765.7	737.1	704.1	676.4	655.3	643.9	634.2	625.4	621.0	616.2	610.1
27.5°	712.8	681.1	650.2	628.8	610.3	600.1	593.2	587.3	583.2	580.3	576.9
30°	675.5	643.4	619.3	598.2	582.8	572.7	568.3	564.8	560.0	558.2	556.5
32.5°	639.7	610.8	590.1	571.8	557.2	550.5	546.5	543.4	539.6	537.8	534.3
35°	588.9	564.8	544.6	534.4	522.6	516.9	513.8	509.4	505.9	504.1	503.7
37.5°	541.2	520.2	507.0	494.0	489.0	485.4	481.2	478.2	477.2	476.9	476.5
40°	510.3	493.2	481.3	470.7	468.6	463.2	459.8	457.1	457.1	457.5	457.1
42.5°	482.2	466.7	456.3	447.2	444.6	441.4	437.9	437.7	438.5	440.0	438.5
45°	439.5	428.5	421.0	416.6	411.8	408.7	408.3	409.7	410.1	410.5	411.8
47.5°	400.3	393.0	386.2	381.4	379.3	378.8	378.2	380.6	382.6	383.4	385.5
50°	377.1	368.8	363.1	360.0	358.2	357.3	358.2	360.8	362.6	364.8	366.1
52.5°	351.1	345.2	341.2	338.9	338.2	338.7	338.9	341.9	344.7	345.4	346.1
55°	315.1	310.7	309.9	305.9	307.6	307.2	309.4	311.2	313.8	316.4	316.9
57.5°	279.3	275.8	273.4	273.7	274.2	276.2	278.0	281.1	284.0	286.7	287.0
60°	255.4	253.6	252.3	252.3	253.1	255.8	258.0	261.1	262.9	264.6	265.9
62.5°	233.6	231.8	230.5	231.2	233.5	235.1	237.6	239.3	241.0	242.8	243.4
65°	199.1	198.2	199.6	200.4	200.9	203.0	206.1	207.4	209.2	210.1	213.2
67.5°	167.4	167.6	167.4	168.6	171.2	171.7	174.6	177.6	178.0	179.7	181.7
70°	145.9	146.8	147.7	148.5	150.8	151.6	153.9	155.2	156.9	158.3	159.5
72.5°	126.2	126.4	127.3	127.1	129.0	130.9	132.8	134.1	135.8	137.5	138.8
75°	97.1	97.1	98.0	98.4	100.7	102.9	102.4	103.3	105.0	106.8	107.7
77.5°	70.9	70.0	70.9	71.4	72.1	74.0	74.3	75.5	77.5	76.9	77.9
80°	54.1	52.8	54.1	54.5	54.5	56.7	56.7	57.6	58.9	57.6	58.9
82.5°	38.6	38.0	38.9	39.0	39.7	39.8	40.6	40.7	42.0	41.4	42.0
85°	19.4	18.9	19.4	18.9	19.4	19.8	19.8	19.4	19.4	20.2	18.9
87.5°	7.5	7.6	7.8	8.5	8.8	9.0	8.6	8.6	8.5	7.7	7.7
90°	7.5	9.9	13.0	16.1	19.2	22.4	22.0	21.8	21.5	21.3	21.2
92.5°	16.4	17.4	18.1	18.9	19.5	20.3	20.4	20.4	20.5	20.6	20.6
95°	38.9	39.8	40.0	40.3	40.6	40.9	40.9	40.9	40.9	40.9	40.7
97.5°	65.7	66.6	67.2	67.7	68.2	68.7	68.7	68.7	68.7	68.7	68.7
100°	85.7	86.4	86.9	87.3	87.7	88.2	88.2	88.2	88.2	88.2	88.1
102.5°	106.2	106.9	107.5	108.1	108.6	109.1	109.3	109.3	109.4	109.6	109.6
105°	139.1	139.4	139.7	140.0	140.3	140.6	140.9	141.1	141.4	141.7	141.8
107.5°	174.9	175.2	175.2	175.2	175.2	175.2	175.3	175.4	175.6	175.6	175.4
110°	198.3	198.7	198.7	198.7	198.7	198.7	198.7	198.7	198.7	198.7	198.5



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	222.8	223.2	223.1	222.9	222.8	222.7	222.4	222.1	221.7	221.4	221.0
115°	259.0	259.2	259.0	258.6	258.4	258.1	258.0	257.9	257.7	257.5	257.3
117.5°	296.1	296.3	295.5	294.7	293.9	293.2	292.8	292.5	292.1	291.8	291.4
120°	320.1	320.1	319.0	317.9	316.8	315.6	315.6	315.6	315.6	315.6	315.4
122.5°	343.0	343.4	342.5	341.7	341.0	340.2	339.8	339.5	339.1	338.8	338.5
125°	376.9	377.4	376.9	376.5	376.1	375.7	375.2	374.8	374.4	373.9	373.7
127.5°	411.6	412.2	411.7	411.2	410.7	410.2	409.7	409.1	408.6	408.1	407.7
130°	433.5	434.3	434.0	433.8	433.4	433.2	432.9	432.7	432.3	432.0	431.6
132.5°	455.6	456.5	456.5	456.6	456.7	456.7	456.1	455.5	454.8	454.2	453.7
135°	487.3	488.3	488.5	488.9	489.1	489.4	489.2	489.1	489.0	488.9	488.5
137.5°	519.3	520.1	520.5	520.9	521.2	521.6	521.5	521.3	521.2	521.2	520.8
140°	539.2	540.2	541.0	541.7	542.3	543.0	543.0	543.0	543.0	543.0	542.8
142.5°	559.6	560.6	561.0	561.5	562.0	562.5	562.6	562.7	562.8	562.9	562.7
145°	588.0	588.8	589.7	590.6	591.4	592.3	592.4	592.5	592.7	592.8	592.6
147.5°	614.9	615.8	616.4	616.9	617.5	618.1	618.4	618.7	619.0	619.3	619.2
150°	631.5	632.1	632.7	633.3	633.9	634.5	634.9	635.2	635.7	636.1	636.1
152.5°	647.3	648.1	648.8	649.5	650.1	650.8	651.3	651.9	652.4	653.0	653.0
155°	669.3	669.8	670.2	670.6	671.1	671.5	672.2	672.9	673.6	674.3	674.5
157.5°	689.1	689.4	689.7	689.9	690.2	690.4	691.4	692.3	693.3	694.2	694.4
160°	701.4	701.6	701.7	701.9	702.0	702.1	703.0	703.9	704.7	705.6	705.7
162.5°	711.7	711.8	712.0	712.1	712.2	712.4	713.3	714.3	715.3	716.3	716.4
165°	725.9	725.8	725.8	725.8	725.8	725.8	726.8	727.8	728.8	729.8	730.0
167.5°	737.3	737.0	737.0	736.9	736.9	736.9	737.9	738.9	739.9	740.9	741.0
170°	743.9	743.6	743.5	743.3	743.2	743.0	744.1	745.0	746.1	747.0	747.1
172.5°	748.5	748.2	748.0	748.0	747.8	747.6	748.6	749.7	750.6	751.7	751.7
175°	754.1	753.8	753.5	753.2	752.9	752.6	753.6	754.6	755.6	756.6	756.6
177.5°	756.7	756.5	756.2	756.0	755.8	755.5	756.2	756.9	757.6	758.3	758.3
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1096.9	1096.1	1096.1	1093.0	1096.1	1096.1	1096.9	1100.4	1101.5	1102.2	1100.8
5°	1017.5	1016.2	1014.0	1016.2	1014.0	1016.2	1017.5	1023.6	1026.7	1029.8	1032.4
7.5°	939.0	933.8	933.0	927.7	933.0	933.8	939.0	941.9	948.0	955.0	961.3
10°	881.7	878.1	877.7	869.4	877.7	878.1	881.7	889.2	895.4	903.7	912.5
12.5°	838.1	829.7	831.3	826.5	831.3	829.7	838.1	838.2	845.4	850.6	864.3
15°	762.6	762.6	760.8	753.4	760.8	762.6	762.6	774.5	776.6	785.0	796.9
17.5°	708.3	707.5	703.3	705.3	703.3	707.5	708.3	717.0	718.5	729.7	739.4
20°	676.0	673.4	668.0	668.0	668.0	673.4	676.0	680.8	686.6	693.1	701.5
22.5°	645.4	645.2	639.6	641.4	639.6	645.2	645.4	649.9	655.2	662.5	669.5
25°	609.6	606.1	603.5	604.8	603.5	606.1	609.6	610.1	616.2	621.0	625.4
27.5°	575.7	573.8	573.6	570.0	573.6	573.8	575.7	576.9	580.3	583.2	587.3
30°	556.0	551.6	552.5	550.3	552.5	551.6	556.0	556.5	558.2	560.0	564.8
32.5°	533.5	531.9	531.1	529.2	531.1	531.9	533.5	534.3	537.8	539.6	543.4
35°	502.8	503.3	501.1	502.0	501.1	503.3	502.8	503.7	504.1	505.9	509.4
37.5°	476.0	477.4	476.4	476.6	476.4	477.4	476.0	476.5	476.9	477.2	478.2
40°	458.4	458.4	458.4	459.8	458.4	458.4	458.4	457.1	457.5	457.1	457.1
42.5°	441.5	440.8	440.1	440.1	440.1	440.8	441.5	438.5	440.0	438.5	437.7
45°	412.7	414.1	414.5	412.2	414.5	414.1	412.7	411.8	410.5	410.1	409.7
47.5°	386.6	386.8	386.6	388.6	386.6	386.8	386.6	385.5	383.4	382.6	380.6
50°	368.3	367.5	368.3	367.5	368.3	367.5	368.3	366.1	364.8	362.6	360.8
52.5°	349.0	349.1	348.6	348.4	348.6	349.1	349.0	346.1	345.4	344.7	341.9
55°	318.7	319.5	319.1	319.1	319.1	319.5	318.7	316.9	316.4	313.8	311.2
57.5°	287.3	288.1	288.7	286.7	288.7	288.1	287.3	287.0	286.7	284.0	281.1
60°	265.4	267.7	267.3	266.4	267.3	267.7	265.4	265.9	264.6	262.9	261.1
62.5°	245.5	246.2	246.2	246.0	246.2	246.2	245.5	243.4	242.8	241.0	239.3
65°	214.5	215.3	214.0	215.3	214.0	215.3	214.5	213.2	210.1	209.2	207.4
67.5°	181.2	181.4	182.4	183.0	182.4	181.4	181.2	181.7	179.7	178.0	177.6
70°	160.4	160.0	161.3	162.6	161.3	160.0	160.4	159.5	158.3	156.9	155.2
72.5°	138.6	139.6	139.1	140.1	139.1	139.6	138.6	138.8	137.5	135.8	134.1
75°	106.8	108.1	107.7	109.0	107.7	108.1	106.8	107.7	106.8	105.0	103.3
77.5°	77.1	77.3	77.1	77.9	77.1	77.3	77.1	77.9	76.9	77.5	75.5
80°	58.9	58.0	57.2	58.9	57.2	58.0	58.9	58.9	57.6	58.9	57.6
82.5°	41.0	41.5	40.6	40.6	40.6	41.5	41.0	42.0	41.4	42.0	40.7
85°	18.9	18.4	17.6	17.6	17.6	18.4	18.9	18.9	20.2	19.4	19.4
87.5°	7.7	7.5	7.5	7.1	7.5	7.5	7.7	7.7	7.7	8.5	8.6
90°	21.3	21.4	21.6	21.7	21.6	21.4	21.3	21.2	21.3	21.5	21.8
92.5°	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.6	20.6	20.5	20.4
95°	40.5	40.2	39.9	39.6	39.9	40.2	40.5	40.7	40.9	40.9	40.9
97.5°	68.7	68.7	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7
100°	88.0	87.8	87.6	87.6	87.6	87.8	88.0	88.1	88.2	88.2	88.2
102.5°	109.4	109.3	109.2	109.0	109.2	109.3	109.4	109.6	109.6	109.4	109.3
105°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.7	141.4	141.1
107.5°	174.7	174.1	173.4	172.8	173.4	174.1	174.7	175.4	175.6	175.6	175.4
110°	198.0	197.6	197.2	196.8	197.2	197.6	198.0	198.5	198.7	198.7	198.7



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	220.8	220.4	220.1	219.8	220.1	220.4	220.8	221.0	221.4	221.7	222.1
115°	256.8	256.4	256.0	255.5	256.0	256.4	256.8	257.3	257.5	257.7	257.9
117.5°	290.9	290.5	290.1	289.6	290.1	290.5	290.9	291.4	291.8	292.1	292.5
120°	315.0	314.5	314.1	313.7	314.1	314.5	315.0	315.4	315.6	315.6	315.6
122.5°	338.1	337.9	337.5	337.3	337.5	337.9	338.1	338.5	338.8	339.1	339.5
125°	373.6	373.4	373.2	373.2	373.2	373.4	373.6	373.7	373.9	374.4	374.8
127.5°	407.2	406.7	406.3	405.9	406.3	406.7	407.2	407.7	408.1	408.6	409.1
130°	431.0	430.5	429.9	429.4	429.9	430.5	431.0	431.6	432.0	432.3	432.7
132.5°	453.2	452.7	452.3	451.9	452.3	452.7	453.2	453.7	454.2	454.8	455.5
135°	488.1	487.7	487.2	486.8	487.2	487.7	488.1	488.5	488.9	489.0	489.1
137.5°	520.2	519.7	519.1	518.5	519.1	519.7	520.2	520.8	521.2	521.2	521.3
140°	542.3	541.7	541.1	540.5	541.1	541.7	542.3	542.8	543.0	543.0	543.0
142.5°	562.1	561.5	561.0	560.4	561.0	561.5	562.1	562.7	562.9	562.8	562.7
145°	592.0	591.5	590.9	590.4	590.9	591.5	592.0	592.6	592.8	592.7	592.5
147.5°	618.7	618.1	617.6	617.1	617.6	618.1	618.7	619.2	619.3	619.0	618.7
150°	635.7	635.2	634.9	634.5	634.9	635.2	635.7	636.1	636.1	635.7	635.2
152.5°	652.4	651.9	651.3	650.8	651.3	651.9	652.4	653.0	653.0	652.4	651.9
155°	674.1	673.6	673.2	672.8	673.2	673.6	674.1	674.5	674.3	673.6	672.9
157.5°	693.7	693.0	692.3	691.6	692.3	693.0	693.7	694.4	694.2	693.3	692.3
160°	705.2	704.6	704.0	703.4	704.0	704.6	705.2	705.7	705.6	704.7	703.9
162.5°	715.7	715.1	714.4	713.7	714.4	715.1	715.7	716.4	716.3	715.3	714.3
165°	729.2	728.5	727.8	727.1	727.8	728.5	729.2	730.0	729.8	728.8	727.8
167.5°	740.3	739.5	738.8	738.0	738.8	739.5	740.3	741.0	740.9	739.9	738.9
170°	746.2	745.4	744.5	743.6	744.5	745.4	746.2	747.1	747.0	746.1	745.0
172.5°	750.9	750.0	749.2	748.3	749.2	750.0	750.9	751.7	751.7	750.6	749.7
175°	755.8	755.0	754.1	753.3	754.1	755.0	755.8	756.6	756.6	755.6	754.6
177.5°	757.6	756.9	756.2	755.5	756.2	756.9	757.6	758.3	758.3	757.6	756.9
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1099.0	1102.9	1108.8	1115.2	1119.0	1126.4	1128.5	1132.0	1135.2	1142.6	1150.3
5°	1035.5	1041.6	1056.2	1064.1	1075.0	1087.8	1096.1	1105.0	1114.7	1131.4	1146.7
7.5°	967.5	977.8	995.7	1010.6	1026.2	1044.5	1057.7	1075.0	1089.5	1113.0	1135.6
10°	922.1	936.6	952.9	970.4	992.5	1011.8	1030.3	1052.2	1069.8	1097.9	1124.3
12.5°	881.3	883.6	906.8	926.2	956.2	980.2	1001.4	1029.8	1047.0	1080.4	1108.1
15°	810.0	823.2	844.3	859.7	895.4	925.7	955.5	985.0	1004.8	1046.0	1082.5
17.5°	750.0	762.2	783.8	809.0	834.6	864.7	903.4	934.4	961.3	1008.6	1051.7
20°	712.0	726.9	749.0	774.9	797.3	830.3	863.7	899.2	928.2	981.5	1032.0
22.5°	679.7	691.5	709.2	734.8	759.3	789.5	826.0	864.8	895.3	952.6	1003.8
25°	634.2	643.9	655.3	676.4	704.1	737.1	765.7	808.3	852.6	906.3	968.3
27.5°	593.2	600.1	610.3	628.8	650.2	681.1	712.8	753.3	797.9	856.1	921.5
30°	568.3	572.7	582.8	598.2	619.3	643.4	675.5	714.2	759.9	818.8	883.9
32.5°	546.5	550.5	557.2	571.8	590.1	610.8	639.7	678.4	721.9	779.8	851.9
35°	513.8	516.9	522.6	534.4	544.6	564.8	588.9	624.1	665.0	720.4	795.1
37.5°	481.2	485.4	489.0	494.0	507.0	520.2	541.2	570.9	611.1	666.9	738.1
40°	459.8	463.2	468.6	470.7	481.3	493.2	510.3	537.5	578.0	629.0	698.4
42.5°	437.9	441.4	444.6	447.2	456.3	466.7	482.2	505.6	541.4	591.0	659.7
45°	408.3	408.7	411.8	416.6	421.0	428.5	439.5	459.8	487.4	534.0	596.4
47.5°	378.2	378.8	379.3	381.4	386.2	393.0	400.3	416.7	441.5	478.7	539.5
50°	358.2	357.3	358.2	360.0	363.1	368.8	377.1	389.0	409.2	443.9	499.7
52.5°	338.9	338.7	338.2	338.9	341.2	345.2	351.1	361.2	379.3	411.2	460.4
55°	309.4	307.2	307.6	305.9	309.9	310.7	315.1	323.5	339.3	361.3	407.4
57.5°	278.0	276.2	274.2	273.7	273.4	275.8	279.3	285.9	298.0	317.3	354.7
60°	258.0	255.8	253.1	252.3	252.3	253.6	255.4	260.2	271.6	288.8	319.5
62.5°	237.6	235.1	233.5	231.2	230.5	231.8	233.6	237.0	245.2	261.3	287.9
65°	206.1	203.0	200.9	200.4	199.6	198.2	199.1	202.6	209.2	222.0	243.1
67.5°	174.6	171.7	171.2	168.6	167.4	167.6	167.4	170.4	174.4	185.3	201.0
70°	153.9	151.6	150.8	148.5	147.7	146.8	145.9	148.5	152.5	161.8	175.4
72.5°	132.8	130.9	129.0	127.1	127.3	126.4	126.2	127.8	131.0	139.6	150.1
75°	102.4	102.9	100.7	98.4	98.0	97.1	97.1	98.4	99.8	106.3	114.7
77.5°	74.3	74.0	72.1	71.4	70.9	70.0	70.9	71.8	72.5	76.9	83.1
80°	56.7	56.7	54.5	54.5	54.1	52.8	54.1	53.2	54.9	59.3	63.7
82.5°	40.6	39.8	39.7	39.0	38.9	38.0	38.6	39.4	40.2	43.1	45.8
85°	19.8	19.8	19.4	18.9	19.4	18.9	19.4	19.8	20.2	21.5	23.8
87.5°	8.6	9.0	8.8	8.5	7.8	7.6	7.5	7.5	7.8	7.8	7.8
90°	22.0	22.4	19.2	16.1	13.0	9.9	7.5	5.8	4.0	2.3	0.6
92.5°	20.4	20.3	19.5	18.9	18.1	17.4	16.4	15.2	13.9	12.7	11.4
95°	40.9	40.9	40.6	40.3	40.0	39.8	38.9	37.5	36.1	34.6	33.2
97.5°	68.7	68.7	68.2	67.7	67.2	66.6	65.7	64.4	63.2	61.9	60.7
100°	88.2	88.2	87.7	87.3	86.9	86.4	85.7	84.6	83.4	82.3	81.1
102.5°	109.3	109.1	108.6	108.1	107.5	106.9	106.2	105.3	104.4	103.5	102.6
105°	140.9	140.6	140.3	140.0	139.7	139.4	139.1	138.6	138.2	137.8	137.3
107.5°	175.3	175.2	175.2	175.2	175.2	175.2	174.9	174.3	173.7	173.0	172.4
110°	198.7	198.7	198.7	198.7	198.7	198.7	198.3	197.4	196.6	195.7	194.8



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.4	222.7	222.8	222.9	223.1	223.2	222.8	222.0	221.1	220.2	219.4
115°	258.0	258.1	258.4	258.6	259.0	259.2	259.0	258.1	257.3	256.4	255.5
117.5°	292.8	293.2	293.9	294.7	295.5	296.3	296.1	295.0	293.9	292.7	291.6
120°	315.6	315.6	316.8	317.9	319.0	320.1	320.1	319.0	317.9	316.8	315.6
122.5°	339.8	340.2	341.0	341.7	342.5	343.4	343.0	341.6	340.4	339.0	337.6
125°	375.2	375.7	376.1	376.5	376.9	377.4	376.9	375.7	374.4	373.2	371.9
127.5°	409.7	410.2	410.7	411.2	411.7	412.2	411.6	410.0	408.5	406.8	405.2
130°	432.9	433.2	433.4	433.8	434.0	434.3	433.5	431.7	429.8	428.0	426.1
132.5°	456.1	456.7	456.7	456.6	456.5	456.5	455.6	454.2	452.7	451.2	449.7
135°	489.2	489.4	489.1	488.9	488.5	488.3	487.3	485.8	484.2	482.7	481.1
137.5°	521.5	521.6	521.2	520.9	520.5	520.1	519.3	518.1	516.8	515.5	514.2
140°	543.0	543.0	542.3	541.7	541.0	540.2	539.2	538.0	536.7	535.4	534.2
142.5°	562.6	562.5	562.0	561.5	561.0	560.6	559.6	558.4	557.2	555.9	554.6
145°	592.4	592.3	591.4	590.6	589.7	588.8	588.0	586.9	585.9	585.0	583.9
147.5°	618.4	618.1	617.5	616.9	616.4	615.8	614.9	613.7	612.5	611.3	610.2
150°	634.9	634.5	633.9	633.3	632.7	632.1	631.5	630.6	629.7	628.9	628.0
152.5°	651.3	650.8	650.1	649.5	648.8	648.1	647.3	646.4	645.6	644.7	643.9
155°	672.2	671.5	671.1	670.6	670.2	669.8	669.3	668.9	668.5	668.0	667.6
157.5°	691.4	690.4	690.2	689.9	689.7	689.4	689.1	688.8	688.5	688.3	687.9
160°	703.0	702.1	702.0	701.9	701.7	701.6	701.4	701.1	700.8	700.5	700.3
162.5°	713.3	712.4	712.2	712.1	712.0	711.8	711.7	711.6	711.6	711.5	711.4
165°	726.8	725.8	725.8	725.8	725.8	725.8	725.9	726.0	726.2	726.3	726.4
167.5°	737.9	736.9	736.9	736.9	737.0	737.0	737.3	737.7	738.1	738.6	739.0
170°	744.1	743.0	743.2	743.3	743.5	743.6	743.9	744.3	744.8	745.2	745.6
172.5°	748.6	747.6	747.8	748.0	748.0	748.2	748.5	748.9	749.3	749.8	750.2
175°	753.6	752.6	752.9	753.2	753.5	753.8	754.1	754.6	755.0	755.4	755.8
177.5°	756.2	755.5	755.8	756.0	756.2	756.5	756.7	757.1	757.4	757.8	758.1
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



TEST NUMBER: P331532-935

CATALOG NUMBER: S122DIW-S675D710U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1149.6	1151.4	1157.0	1162.6	1169.0	1170.7	1173.5	1171.0	1170.4	1177.1	1182.0
5°	1152.9	1160.8	1176.2	1190.2	1202.1	1210.5	1219.3	1222.8	1229.3	1238.5	1250.0
7.5°	1149.2	1164.6	1188.8	1209.2	1231.6	1247.7	1260.2	1270.9	1283.9	1301.4	1320.5
10°	1145.0	1165.6	1195.1	1220.1	1247.3	1268.0	1285.2	1301.8	1321.2	1345.4	1370.5
12.5°	1137.2	1161.7	1198.6	1228.2	1263.2	1283.5	1306.7	1342.6	1363.4	1397.1	1432.4
15°	1121.7	1148.9	1200.3	1236.8	1276.3	1315.1	1357.7	1392.0	1426.2	1446.0	1495.7
17.5°	1098.5	1138.6	1195.5	1238.0	1288.3	1349.3	1397.1	1436.0	1475.6	1507.7	1532.6
20°	1080.0	1123.4	1188.4	1239.5	1299.2	1364.7	1419.7	1459.2	1493.5	1520.4	1535.7
22.5°	1056.4	1111.1	1174.4	1234.2	1310.5	1375.3	1433.0	1464.1	1492.8	1505.9	1511.8
25°	1019.3	1085.2	1156.8	1229.8	1316.0	1384.5	1437.3	1456.1	1464.5	1451.7	1430.6
27.5°	979.3	1052.7	1136.5	1221.5	1312.6	1378.5	1416.3	1413.3	1399.2	1358.0	1325.0
30°	949.3	1030.3	1120.3	1213.1	1304.5	1368.6	1390.7	1368.6	1336.6	1290.5	1243.5
32.5°	918.1	1001.8	1103.1	1201.1	1289.8	1346.2	1350.9	1313.1	1263.4	1211.0	1152.4
35°	870.7	961.2	1070.7	1174.4	1258.4	1294.0	1272.9	1206.1	1147.2	1075.6	995.5
37.5°	817.2	917.1	1026.9	1135.3	1211.3	1220.6	1168.3	1097.9	1014.9	930.7	836.5
40°	777.1	883.0	996.0	1105.4	1172.7	1163.0	1096.1	1018.8	919.9	817.1	729.6
42.5°	741.2	847.1	962.2	1069.5	1123.4	1096.9	1018.8	923.9	817.6	720.7	640.7
45°	679.1	788.1	905.9	1009.6	1040.3	992.5	889.2	783.7	679.1	598.2	534.9
47.5°	618.8	726.5	843.2	934.4	945.2	880.8	767.9	659.4	569.5	503.6	458.9
50°	574.5	682.6	798.1	879.5	876.0	798.1	682.2	578.9	503.7	450.5	420.6
52.5°	534.8	636.9	747.9	821.8	803.2	718.3	607.6	515.9	454.1	412.5	385.5
55°	472.9	567.4	672.9	732.3	697.9	603.9	510.3	436.4	390.7	359.6	338.5
57.5°	411.6	500.2	590.5	627.1	589.2	502.3	424.2	370.7	336.3	313.2	299.5
60°	373.6	451.0	531.4	563.0	517.7	440.4	378.8	331.0	303.2	284.4	272.1
62.5°	335.6	404.9	480.8	498.0	456.6	391.2	336.7	296.9	274.1	257.3	245.7
65°	284.0	340.6	398.2	409.7	371.4	320.9	277.8	251.8	231.6	219.3	210.1
67.5°	232.9	278.4	319.2	328.4	294.9	259.8	228.8	206.1	192.4	182.2	174.4
70°	202.6	238.7	272.1	279.6	252.7	221.5	197.8	179.8	167.5	158.7	151.2
72.5°	170.7	200.7	228.4	233.5	211.5	187.8	168.2	154.1	143.2	137.6	130.4
75°	130.5	148.1	169.6	171.0	156.4	142.0	127.0	117.8	112.1	105.0	101.5
77.5°	92.1	105.9	118.2	120.6	112.0	102.1	93.8	86.5	81.6	78.4	75.2
80°	70.3	81.3	86.6	89.6	83.5	76.5	71.6	66.8	63.7	61.6	59.3
82.5°	50.3	57.1	62.0	64.3	61.0	56.8	51.9	49.2	46.8	45.0	44.3
85°	25.5	28.6	31.7	32.5	31.7	29.9	27.2	27.2	25.9	25.5	25.5
87.5°	9.3	11.0	11.4	12.7	12.5	13.2	13.8	14.0	14.3	13.9	13.5
90°	2.3	4.0	5.8	7.5	9.9	13.0	16.1	19.2	22.4	22.0	21.8
92.5°	12.7	13.9	15.2	16.4	17.4	18.1	18.9	19.5	20.3	20.4	20.4
95°	34.6	36.1	37.5	38.9	39.8	40.0	40.3	40.6	40.9	40.9	40.9
97.5°	61.9	63.2	64.4	65.7	66.6	67.2	67.7	68.2	68.7	68.7	68.7
100°	82.3	83.4	84.6	85.7	86.4	86.9	87.3	87.7	88.2	88.2	88.2
102.5°	103.5	104.4	105.3	106.2	106.9	107.5	108.1	108.6	109.1	109.3	109.3
105°	137.8	138.2	138.6	139.1	139.4	139.7	140.0	140.3	140.6	140.9	141.1
107.5°	173.0	173.7	174.3	174.9	175.2	175.2	175.2	175.2	175.2	175.3	175.4
110°	195.7	196.6	197.4	198.3	198.7	198.7	198.7	198.7	198.7	198.7	198.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	220.2	221.1	222.0	222.8	223.2	223.1	222.9	222.8	222.7	222.4	222.1
115°	256.4	257.3	258.1	259.0	259.2	259.0	258.6	258.4	258.1	258.0	257.9
117.5°	292.7	293.9	295.0	296.1	296.3	295.5	294.7	293.9	293.2	292.8	292.5
120°	316.8	317.9	319.0	320.1	320.1	319.0	317.9	316.8	315.6	315.6	315.6
122.5°	339.0	340.4	341.6	343.0	343.4	342.5	341.7	341.0	340.2	339.8	339.5
125°	373.2	374.4	375.7	376.9	377.4	376.9	376.5	376.1	375.7	375.2	374.8
127.5°	406.8	408.5	410.0	411.6	412.2	411.7	411.2	410.7	410.2	409.7	409.1
130°	428.0	429.8	431.7	433.5	434.3	434.0	433.8	433.4	433.2	432.9	432.7
132.5°	451.2	452.7	454.2	455.6	456.5	456.5	456.6	456.7	456.7	456.1	455.5
135°	482.7	484.2	485.8	487.3	488.3	488.5	488.9	489.1	489.4	489.2	489.1
137.5°	515.5	516.8	518.1	519.3	520.1	520.5	520.9	521.2	521.6	521.5	521.3
140°	535.4	536.7	538.0	539.2	540.2	541.0	541.7	542.3	543.0	543.0	543.0
142.5°	555.9	557.2	558.4	559.6	560.6	561.0	561.5	562.0	562.5	562.6	562.7
145°	585.0	585.9	586.9	588.0	588.8	589.7	590.6	591.4	592.3	592.4	592.5
147.5°	611.3	612.5	613.7	614.9	615.8	616.4	616.9	617.5	618.1	618.4	618.7
150°	628.9	629.7	630.6	631.5	632.1	632.7	633.3	633.9	634.5	634.9	635.2
152.5°	644.7	645.6	646.4	647.3	648.1	648.8	649.5	650.1	650.8	651.3	651.9
155°	668.0	668.5	668.9	669.3	669.8	670.2	670.6	671.1	671.5	672.2	672.9
157.5°	688.3	688.5	688.8	689.1	689.4	689.7	689.9	690.2	690.4	691.4	692.3
160°	700.5	700.8	701.1	701.4	701.6	701.7	701.9	702.0	702.1	703.0	703.9
162.5°	711.5	711.6	711.6	711.7	711.8	712.0	712.1	712.2	712.4	713.3	714.3
165°	726.3	726.2	726.0	725.9	725.8	725.8	725.8	725.8	725.8	726.8	727.8
167.5°	738.6	738.1	737.7	737.3	737.0	737.0	736.9	736.9	736.9	737.9	738.9
170°	745.2	744.8	744.3	743.9	743.6	743.5	743.3	743.2	743.0	744.1	745.0
172.5°	749.8	749.3	748.9	748.5	748.2	748.0	748.0	747.8	747.6	748.6	749.7
175°	755.4	755.0	754.6	754.1	753.8	753.5	753.2	752.9	752.6	753.6	754.6
177.5°	757.8	757.4	757.1	756.7	756.5	756.2	756.0	755.8	755.5	756.2	756.9
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1186.2	1191.1	1191.1	1191.8	1197.5	1196.7	1196.4
5°	1262.3	1269.8	1270.7	1278.6	1283.8	1282.1	1277.3
7.5°	1334.1	1348.1	1358.6	1364.4	1371.4	1375.7	1373.8
10°	1391.1	1411.4	1423.7	1432.0	1442.1	1449.6	1446.9
12.5°	1442.8	1466.9	1483.8	1498.1	1499.4	1509.0	1502.4
15°	1523.4	1548.9	1551.5	1562.1	1570.5	1569.5	1569.9
17.5°	1550.1	1558.2	1559.9	1560.1	1560.2	1557.1	1550.5
20°	1540.5	1537.5	1530.0	1524.3	1514.2	1512.9	1504.1
22.5°	1495.6	1485.7	1467.1	1454.7	1438.9	1434.8	1432.4
25°	1407.0	1385.3	1355.5	1326.9	1319.1	1303.6	1308.0
27.5°	1285.4	1251.8	1219.4	1196.2	1175.2	1152.2	1158.7
30°	1199.9	1162.1	1116.4	1081.2	1058.9	1036.8	1032.9
32.5°	1097.9	1042.6	991.5	960.6	926.3	912.4	897.2
35°	922.1	868.1	817.5	774.0	749.0	729.6	712.0
37.5°	764.0	701.7	661.0	625.7	607.6	596.5	599.3
40°	665.9	611.4	581.5	554.7	538.0	530.0	531.8
42.5°	586.4	545.6	521.0	502.7	490.9	486.5	485.4
45°	496.2	473.4	453.1	442.6	436.9	432.0	429.0
47.5°	434.7	416.0	404.7	398.4	393.4	388.5	388.4
50°	397.8	385.5	377.5	370.9	367.0	363.5	366.5
52.5°	369.6	358.3	350.5	344.6	343.1	339.9	339.8
55°	327.9	319.1	313.4	308.1	305.5	303.7	301.5
57.5°	289.9	281.5	276.3	272.9	267.9	266.1	265.4
60°	262.9	256.2	251.0	246.6	244.4	240.8	240.8
62.5°	237.9	231.3	226.4	223.0	219.4	218.0	218.3
65°	201.7	196.5	191.7	188.1	187.3	184.6	185.5
67.5°	168.5	165.0	159.9	158.0	156.3	154.9	153.9
70°	146.4	142.8	140.2	137.6	136.2	136.2	136.2
72.5°	127.7	123.5	121.9	118.6	119.3	118.0	116.6
75°	98.9	96.3	95.0	93.6	91.4	91.4	91.4
77.5°	72.8	72.0	70.4	69.0	68.4	68.0	68.2
80°	56.2	55.8	54.9	54.9	54.1	53.6	52.8
82.5°	43.2	42.1	41.6	41.2	41.1	41.0	40.8
85°	24.6	23.8	23.8	24.2	23.3	23.3	23.8
87.5°	13.8	13.8	13.3	13.4	13.8	13.4	13.5
90°	21.5	21.3	21.2	21.3	21.4	21.6	21.7
92.5°	20.5	20.6	20.6	20.6	20.7	20.7	20.7
95°	40.9	40.9	40.7	40.5	40.2	39.9	39.6
97.5°	68.7	68.7	68.7	68.7	68.7	68.6	68.6
100°	88.2	88.2	88.1	88.0	87.8	87.6	87.6
102.5°	109.4	109.6	109.6	109.4	109.3	109.2	109.0
105°	141.4	141.7	141.8	141.8	141.8	141.8	141.8
107.5°	175.6	175.6	175.4	174.7	174.1	173.4	172.8
110°	198.7	198.7	198.5	198.0	197.6	197.2	196.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	221.7	221.4	221.0	220.8	220.4	220.1	219.8
115°	257.7	257.5	257.3	256.8	256.4	256.0	255.5
117.5°	292.1	291.8	291.4	290.9	290.5	290.1	289.6
120°	315.6	315.6	315.4	315.0	314.5	314.1	313.7
122.5°	339.1	338.8	338.5	338.1	337.9	337.5	337.3
125°	374.4	373.9	373.7	373.6	373.4	373.2	373.2
127.5°	408.6	408.1	407.7	407.2	406.7	406.3	405.9
130°	432.3	432.0	431.6	431.0	430.5	429.9	429.4
132.5°	454.8	454.2	453.7	453.2	452.7	452.3	451.9
135°	489.0	488.9	488.5	488.1	487.7	487.2	486.8
137.5°	521.2	521.2	520.8	520.2	519.7	519.1	518.5
140°	543.0	543.0	542.8	542.3	541.7	541.1	540.5
142.5°	562.8	562.9	562.7	562.1	561.5	561.0	560.4
145°	592.7	592.8	592.6	592.0	591.5	590.9	590.4
147.5°	619.0	619.3	619.2	618.7	618.1	617.6	617.1
150°	635.7	636.1	636.1	635.7	635.2	634.9	634.5
152.5°	652.4	653.0	653.0	652.4	651.9	651.3	650.8
155°	673.6	674.3	674.5	674.1	673.6	673.2	672.8
157.5°	693.3	694.2	694.4	693.7	693.0	692.3	691.6
160°	704.7	705.6	705.7	705.2	704.6	704.0	703.4
162.5°	715.3	716.3	716.4	715.7	715.1	714.4	713.7
165°	728.8	729.8	730.0	729.2	728.5	727.8	727.1
167.5°	739.9	740.9	741.0	740.3	739.5	738.8	738.0
170°	746.1	747.0	747.1	746.2	745.4	744.5	743.6
172.5°	750.6	751.7	751.7	750.9	750.0	749.2	748.3
175°	755.6	756.6	756.6	755.8	755.0	754.1	753.3
177.5°	757.6	758.3	758.3	757.6	756.9	756.2	755.5
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1

(END OF REPORT)