

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: P331810-930

Luminaire Tested: **S122RDIW-S675D710U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331810-930
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: S122RDIW-S675D710U930-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4077.4 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

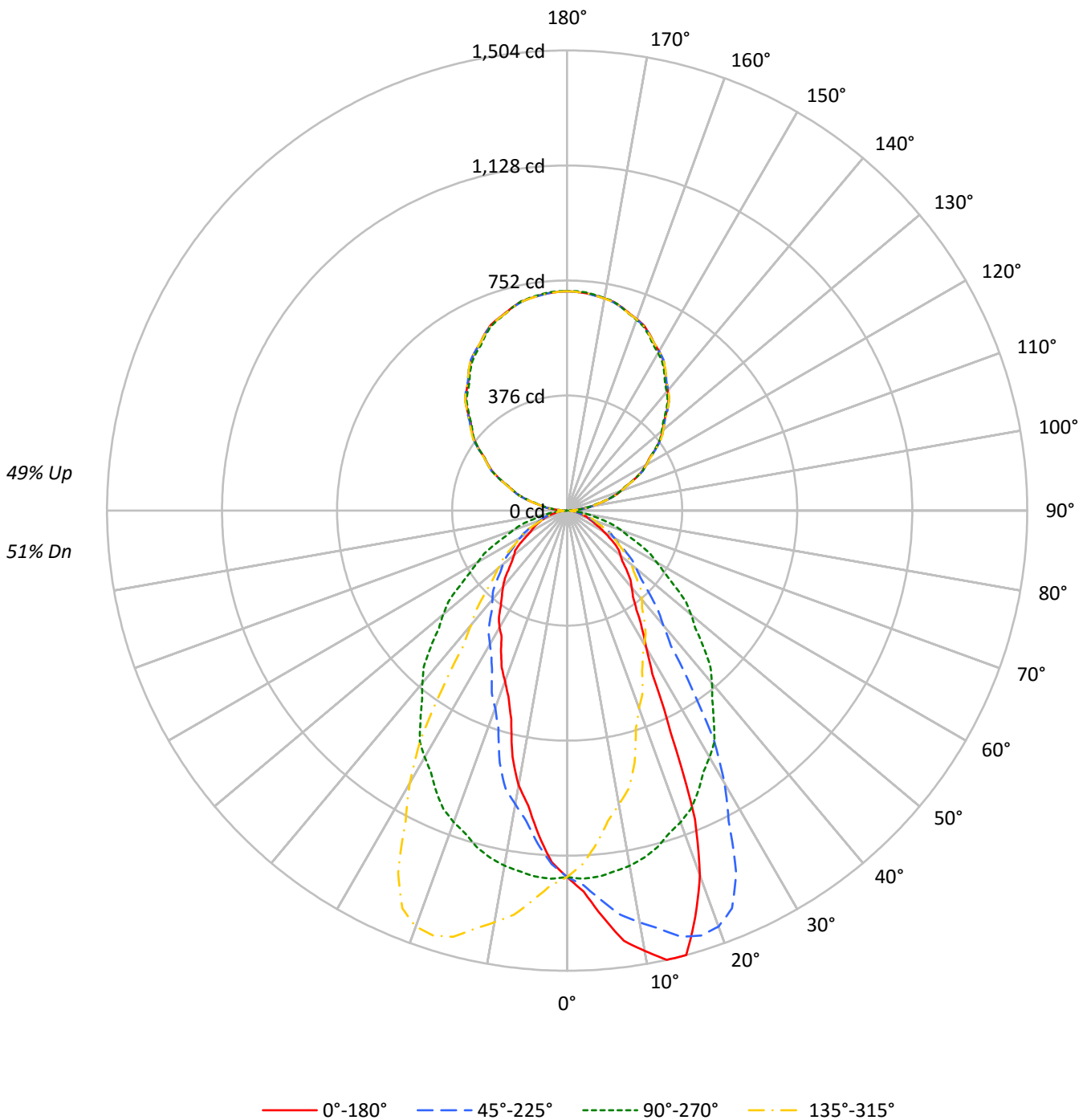
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	95	91	88	91	88	85	82	75	72	70	63	61	60	51	50	50	44
2	91	84	78	73	84	78	73	68	66	63	60	56	53	51	46	45	43	38
3	83	74	67	62	77	69	63	58	59	55	51	50	47	44	42	40	38	34
4	77	66	59	53	71	62	55	50	53	48	44	45	42	39	38	35	33	30
5	71	60	52	46	65	56	49	44	48	43	39	41	37	34	35	32	30	26
6	65	54	46	41	60	50	44	39	44	38	35	38	34	30	32	29	27	24
7	61	49	41	36	56	46	39	34	40	35	31	35	30	27	29	26	24	21
8	57	45	37	32	52	42	35	31	37	32	28	32	28	25	27	24	22	20
9	53	41	34	29	49	39	32	28	34	29	25	30	25	23	25	22	20	18
10	50	38	31	26	46	36	29	25	31	26	23	27	23	21	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19339	19339	19339	19339
5°	21598	19460	17253	19460
10°	23963	19323	14955	19323
15°	25142	19041	11784	19041
20°	21795	18620	10198	18620
25°	14295	18045	9103	18045
30°	9622	17350	8240	17350
35°	7792	16472	7433	16472
40°	6930	15517	6877	15517
45°	6272	14397	6140	14397
50°	5707	13288	5687	13288
55°	5365	12056	5295	12056
60°	4489	10924	4434	10924
65°	3786	9922	4290	9922
70°	3498	8861	4050	8861
75°	3269	7711	3737	7711
80°	3013	6341	3329	6341
85°	2779	5020	2927	5020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	2.8
10°-20°	316.4	7.8
20°-30°	407.7	10.0
30°-40°	387.4	9.5
40°-50°	331.9	8.1
50°-60°	252.7	6.2
60°-70°	159.8	3.9
70°-80°	79.8	2.0
80°-90°	23.6	0.6
90°-100°	45.4	1.1
100°-110°	141.1	3.5
110°-120°	241.2	5.9
120°-130°	317.1	7.8
130°-140°	356.0	8.7
140°-150°	349.0	8.6
150°-160°	292.8	7.2
160°-170°	194.2	4.8
170°-180°	67.9	1.7
0°-30°	837.6	20.5
0°-40°	1225.0	30.0
0°-60°	1809.6	44.4
0°-90°	2072.8	50.8
90°-120°	427.7	10.5
90°-150°	1449.8	35.6
90°-180°	2005.0	49.2
0°-180°	4077.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1198	1198	1198	1198	1198	
5°	1333	1201	1064	1201	1333	132
15°	1504	1139	705	1139	1504	406
25°	802	1013	511	1013	802	381
35°	395	836	377	836	395	253
45°	275	630	269	630	275	213
55°	191	428	188	428	191	167
65°	99	260	112	260	99	101
75°	52	124	60	124	52	56
85°	15	27	16	27	15	17
90°	20	1	20	1	20	10
95°	38	32	38	32	38	42
105°	134	130	134	130	134	141
115°	242	242	242	242	242	239
125°	353	352	353	352	353	315
135°	461	456	461	456	461	355
145°	559	553	559	553	559	349
155°	637	632	637	632	637	293
165°	688	688	688	688	688	194
175°	713	716	713	716	713	68
180°	717	717	717	717	717	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1246.3	1247.3	1248.4	1246.0	1246.0	1244.0	1239.7	1236.4	1227.0	1225.7	1225.7
5°	1332.6	1331.7	1333.4	1328.0	1320.5	1318.8	1310.9	1300.6	1289.7	1277.7	1275.1
7.5°	1418.3	1417.1	1413.7	1412.8	1407.0	1394.5	1381.8	1368.2	1350.2	1332.7	1323.9
10°	1461.6	1475.4	1467.0	1452.5	1455.4	1435.8	1425.4	1407.5	1392.5	1366.3	1360.5
12.5°	1504.2	1509.6	1507.0	1498.7	1494.9	1481.4	1467.4	1451.8	1424.2	1400.6	1380.1
15°	1504.1	1512.0	1514.0	1511.6	1513.6	1512.8	1505.3	1492.4	1468.3	1442.4	1420.0
17.5°	1393.0	1398.5	1412.2	1421.4	1433.1	1457.7	1469.8	1474.6	1471.0	1456.3	1440.5
20°	1268.5	1259.3	1297.6	1317.2	1333.8	1375.4	1411.2	1425.0	1447.0	1446.6	1442.4
22.5°	1092.0	1094.2	1130.5	1153.7	1202.3	1243.9	1284.7	1336.4	1379.1	1407.3	1423.8
25°	802.4	818.2	854.4	886.1	940.1	1017.6	1087.9	1169.5	1246.4	1307.2	1365.1
27.5°	602.6	603.8	632.5	661.7	693.8	757.2	845.8	943.2	1053.0	1143.5	1247.7
30°	516.1	513.6	525.6	543.6	571.0	620.1	686.6	782.4	891.9	1028.3	1149.9
32.5°	454.8	454.9	464.1	477.3	500.1	533.2	578.8	656.6	760.0	894.2	1036.7
35°	395.3	394.9	401.6	411.2	420.8	442.0	473.2	514.0	585.1	710.4	856.1
37.5°	352.8	354.6	357.8	363.8	374.4	386.2	405.0	432.4	483.0	557.1	679.6
40°	328.8	329.6	334.2	339.2	345.4	354.6	370.0	392.0	429.1	488.2	577.6
42.5°	306.8	307.6	310.9	315.5	320.4	329.6	342.3	361.4	391.4	437.6	511.4
45°	274.7	274.7	277.6	279.6	285.1	293.4	303.8	319.6	340.5	374.5	423.6
47.5°	244.5	244.6	246.5	250.1	253.6	260.0	270.3	283.2	298.3	324.7	366.6
50°	227.2	227.6	228.9	231.8	233.9	239.7	247.6	258.9	274.7	295.1	330.0
52.5°	213.3	213.0	214.6	215.8	217.3	221.4	227.3	237.3	251.4	269.1	298.1
55°	190.6	188.9	191.4	193.6	194.8	196.4	199.7	206.0	218.1	233.1	254.7
57.5°	162.3	161.7	163.4	165.3	169.3	173.7	176.5	180.5	186.8	197.5	219.0
60°	139.0	139.0	142.8	144.0	148.5	154.4	160.2	163.5	169.8	176.8	192.7
62.5°	118.4	118.7	120.4	121.7	124.3	131.4	139.6	146.9	152.8	159.6	170.1
65°	99.1	99.9	99.9	100.7	102.4	104.0	107.4	113.2	123.6	133.1	141.0
67.5°	84.1	84.3	84.5	85.4	85.9	87.6	88.9	91.6	94.0	103.1	112.8
70°	74.1	75.3	74.9	75.7	76.1	77.0	78.7	79.9	83.6	85.8	91.6
72.5°	64.7	65.6	65.6	66.1	67.2	67.3	68.6	70.0	72.3	74.1	77.2
75°	52.4	52.0	52.4	53.2	53.6	54.1	54.1	55.8	57.0	58.7	60.7
77.5°	40.4	40.8	40.8	40.8	40.9	41.7	41.6	42.4	43.6	44.4	45.4
80°	32.4	32.9	32.4	32.9	33.3	33.7	33.3	33.7	35.0	35.8	35.8
82.5°	25.1	25.2	25.4	25.5	25.6	25.7	26.3	26.4	27.3	27.1	27.5
85°	15.0	14.6	14.6	14.6	15.0	15.4	15.0	15.0	15.4	15.4	15.4
87.5°	9.5	9.8	9.7	9.7	9.7	9.7	9.7	10.1	9.9	10.2	9.3
90°	20.5	20.5	20.3	20.1	20.1	20.1	20.4	20.6	20.9	21.2	18.2
92.5°	19.6	19.6	19.6	19.5	19.5	19.5	19.4	19.3	19.3	19.2	18.5
95°	37.5	37.7	38.1	38.3	38.6	38.7	38.7	38.7	38.7	38.7	38.5
97.5°	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	64.6
100°	82.9	83.0	83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.1
102.5°	103.2	103.4	103.5	103.6	103.8	103.8	103.6	103.5	103.5	103.3	102.8
105°	134.3	134.3	134.3	134.3	134.3	134.2	133.9	133.6	133.4	133.1	132.8
107.5°	163.6	164.2	164.9	165.4	166.1	166.3	166.2	166.1	166.0	165.9	165.9
110°	186.4	186.7	187.1	187.5	187.9	188.2	188.2	188.2	188.2	188.2	188.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	208.1	208.4	208.7	209.0	209.3	209.6	209.9	210.3	210.6	210.9	211.0
115°	242.0	242.4	242.8	243.2	243.6	243.9	244.0	244.2	244.3	244.4	244.7
117.5°	274.3	274.7	275.1	275.5	275.9	276.3	276.6	277.0	277.3	277.6	278.3
120°	297.0	297.4	297.8	298.2	298.6	298.9	298.9	298.9	298.9	298.9	299.9
122.5°	319.4	319.6	319.9	320.2	320.5	320.8	321.1	321.5	321.8	322.1	322.9
125°	353.4	353.4	353.6	353.8	353.8	354.1	354.5	354.9	355.3	355.7	356.1
127.5°	384.3	384.7	385.1	385.6	386.0	386.5	386.9	387.4	387.9	388.4	388.9
130°	406.6	407.1	407.6	408.1	408.7	409.1	409.4	409.7	409.9	410.2	410.4
132.5°	427.9	428.3	428.7	429.2	429.6	430.1	430.6	431.3	431.9	432.4	432.4
135°	461.0	461.4	461.8	462.2	462.6	462.9	463.0	463.2	463.3	463.4	463.2
137.5°	491.0	491.5	492.1	492.6	493.2	493.5	493.6	493.7	493.8	493.9	493.6
140°	511.8	512.3	512.9	513.5	514.0	514.2	514.2	514.2	514.2	514.2	513.6
142.5°	530.7	531.2	531.7	532.3	532.9	533.0	533.0	532.9	532.7	532.6	532.1
145°	559.1	559.5	560.1	560.6	561.2	561.3	561.3	561.1	560.9	560.8	560.0
147.5°	584.3	584.8	585.3	585.9	586.4	586.4	586.1	585.9	585.5	585.3	584.7
150°	600.8	601.2	601.5	601.9	602.3	602.3	601.9	601.5	601.2	600.8	600.2
152.5°	616.3	616.8	617.3	617.8	618.3	618.3	617.8	617.3	616.8	616.3	615.6
155°	637.1	637.5	637.9	638.3	638.7	638.5	637.9	637.2	636.5	635.9	635.4
157.5°	654.9	655.6	656.2	656.9	657.5	657.4	656.5	655.6	654.7	653.8	653.5
160°	666.1	666.7	667.2	667.7	668.2	668.1	667.3	666.5	665.7	664.9	664.7
162.5°	675.8	676.5	677.1	677.7	678.3	678.2	677.4	676.4	675.5	674.6	674.4
165°	688.5	689.2	689.8	690.5	691.2	691.0	690.1	689.2	688.2	687.3	687.3
167.5°	698.9	699.6	700.3	701.0	701.6	701.6	700.6	699.7	698.7	697.8	697.8
170°	704.2	705.0	705.8	706.6	707.4	707.4	706.5	705.5	704.6	703.6	703.8
172.5°	708.6	709.4	710.2	711.0	711.8	711.8	710.8	709.9	708.9	707.9	708.1
175°	713.3	714.1	714.9	715.7	716.5	716.5	715.5	714.5	713.6	712.7	713.0
177.5°	715.4	716.1	716.7	717.4	718.0	718.0	717.4	716.7	716.1	715.4	715.7
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1226.4	1223.7	1221.4	1215.4	1212.4	1205.7	1204.8	1204.4	1195.7	1187.4	1185.1
5°	1268.5	1261.8	1251.8	1240.2	1228.1	1215.6	1207.3	1200.7	1184.0	1168.2	1159.0
7.5°	1310.9	1296.7	1279.4	1257.4	1238.9	1218.3	1203.0	1189.3	1165.6	1143.0	1127.7
10°	1342.6	1319.2	1296.4	1266.0	1242.3	1219.0	1197.3	1178.6	1151.9	1122.0	1100.7
12.5°	1362.2	1336.6	1305.0	1275.3	1244.6	1215.0	1186.0	1162.0	1130.7	1099.7	1074.5
15°	1388.8	1361.3	1323.0	1280.6	1241.0	1202.3	1169.1	1139.1	1098.3	1061.3	1030.5
17.5°	1410.5	1372.7	1331.5	1282.5	1236.7	1187.5	1144.6	1106.4	1060.9	1016.3	980.0
20°	1417.5	1380.1	1332.6	1283.4	1229.4	1171.5	1125.4	1083.7	1035.0	986.3	944.7
22.5°	1413.2	1384.1	1331.2	1272.5	1217.1	1156.5	1104.3	1056.1	1002.1	952.4	904.1
25°	1383.8	1373.8	1323.9	1259.7	1196.5	1126.2	1065.8	1012.9	951.4	898.1	845.6
27.5°	1315.2	1336.8	1305.9	1237.6	1167.3	1091.8	1024.0	963.8	899.9	840.0	787.7
30°	1249.4	1298.9	1285.6	1222.3	1143.6	1069.6	993.4	930.6	862.3	800.7	749.1
32.5°	1159.1	1241.0	1253.9	1201.0	1119.7	1038.3	958.5	895.9	824.7	759.8	709.5
35°	1015.5	1137.8	1194.0	1160.3	1078.7	990.9	908.5	835.7	764.1	700.0	650.0
37.5°	844.1	1010.7	1104.3	1106.8	1031.8	940.5	850.8	778.5	705.2	642.3	588.3
40°	732.9	913.5	1035.4	1062.5	999.2	900.6	809.8	736.2	664.6	603.0	541.0
42.5°	633.0	812.9	962.9	1009.9	959.6	861.6	770.6	693.6	624.0	565.7	502.4
45°	511.9	669.2	834.5	918.5	890.6	799.9	703.8	630.5	565.2	514.8	454.0
47.5°	431.8	542.7	702.5	816.3	815.8	733.0	638.4	568.3	507.7	460.5	411.2
50°	386.2	482.7	618.0	747.1	757.8	688.4	598.4	529.0	472.4	422.8	383.3
52.5°	345.3	424.9	546.4	670.1	700.9	640.7	553.5	489.3	434.4	388.9	355.0
55°	291.7	353.4	445.7	561.4	608.1	565.6	488.2	428.3	383.7	345.4	316.3
57.5°	246.8	293.0	367.1	460.3	514.5	487.9	424.0	375.3	337.2	302.6	279.6
60°	218.5	256.3	319.2	397.1	457.0	438.2	383.7	338.3	305.9	275.9	254.3
62.5°	191.8	224.4	278.3	341.4	396.4	388.7	344.1	306.1	277.6	250.3	232.0
65°	154.4	178.1	220.1	269.7	313.8	317.6	285.5	259.7	234.3	212.6	196.4
67.5°	122.9	138.4	168.0	209.8	242.8	254.6	235.1	215.3	195.2	178.5	164.4
70°	103.6	116.1	137.8	171.5	201.9	214.3	203.1	187.7	170.2	156.5	144.4
72.5°	84.0	96.1	112.1	136.8	162.9	176.3	172.4	161.4	147.2	135.8	124.4
75°	63.3	67.0	77.9	94.5	114.9	126.5	129.5	123.6	112.3	103.6	96.9
77.5°	46.8	49.0	54.2	62.9	76.2	86.7	90.9	90.3	82.5	77.4	71.2
80°	37.4	38.7	41.2	44.9	55.0	65.3	68.2	68.2	62.9	60.7	54.5
82.5°	28.5	29.4	30.9	32.9	37.6	46.7	50.0	50.6	47.2	44.4	39.5
85°	16.2	15.8	16.6	17.9	18.8	21.2	26.3	27.1	26.3	22.9	21.6
87.5°	8.7	8.5	7.8	7.1	7.1	7.1	8.4	9.8	8.8	8.1	7.7
90°	15.2	12.3	9.4	7.1	5.5	3.8	2.2	0.6	2.2	3.8	5.5
92.5°	17.9	17.1	16.5	15.5	14.3	13.1	12.0	10.8	12.0	13.1	14.3
95°	38.2	37.9	37.7	36.9	35.5	34.2	32.8	31.5	32.8	34.2	35.5
97.5°	64.1	63.6	63.0	62.2	61.0	59.8	58.6	57.5	58.6	59.8	61.0
100°	82.7	82.3	81.9	81.1	80.1	79.0	77.9	76.8	77.9	79.0	80.1
102.5°	102.3	101.8	101.3	100.6	99.7	98.9	98.0	97.2	98.0	98.9	99.7
105°	132.6	132.3	132.0	131.7	131.3	130.9	130.4	130.0	130.4	130.9	131.3
107.5°	165.9	165.9	165.9	165.6	165.0	164.4	163.8	163.2	163.8	164.4	165.0
110°	188.2	188.2	188.2	187.8	186.9	186.1	185.3	184.5	185.3	186.1	186.9



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	211.1	211.2	211.3	211.0	210.2	209.4	208.6	207.7	208.6	209.4	210.2
115°	244.9	245.2	245.5	245.2	244.4	243.6	242.8	242.0	242.8	243.6	244.4
117.5°	279.1	279.8	280.5	280.4	279.3	278.3	277.2	276.1	277.2	278.3	279.3
120°	301.0	302.1	303.1	303.1	302.1	301.0	299.9	298.9	299.9	301.0	302.1
122.5°	323.6	324.3	325.1	324.8	323.5	322.3	321.0	319.7	321.0	322.3	323.5
125°	356.5	356.9	357.3	356.9	355.7	354.5	353.4	352.1	353.4	354.5	355.7
127.5°	389.4	389.9	390.4	389.8	388.2	386.8	385.2	383.7	385.2	386.8	388.2
130°	410.7	411.0	411.2	410.5	408.8	407.0	405.3	403.5	405.3	407.0	408.8
132.5°	432.4	432.3	432.3	431.5	430.1	428.7	427.2	425.8	427.2	428.7	430.1
135°	462.9	462.6	462.4	461.5	460.0	458.5	457.1	455.6	457.1	458.5	460.0
137.5°	493.3	492.8	492.5	491.7	490.6	489.3	488.1	486.9	488.1	489.3	490.6
140°	512.9	512.3	511.5	510.6	509.4	508.2	507.0	505.8	507.0	508.2	509.4
142.5°	531.7	531.2	530.8	529.9	528.8	527.6	526.4	525.1	526.4	527.6	528.8
145°	559.2	558.4	557.6	556.8	555.8	554.8	553.9	552.9	553.9	554.8	555.8
147.5°	584.2	583.7	583.1	582.3	581.1	580.0	578.9	577.8	578.9	580.0	581.1
150°	599.7	599.2	598.6	597.9	597.1	596.3	595.5	594.7	595.5	596.3	597.1
152.5°	615.0	614.3	613.7	612.9	612.1	611.3	610.5	609.7	610.5	611.3	612.1
155°	635.0	634.6	634.2	633.8	633.4	633.0	632.6	632.2	632.6	633.0	633.4
157.5°	653.3	653.1	652.8	652.6	652.2	652.0	651.8	651.4	651.8	652.0	652.2
160°	664.6	664.5	664.4	664.1	663.9	663.6	663.3	663.1	663.3	663.6	663.9
162.5°	674.3	674.2	674.0	673.9	673.8	673.8	673.8	673.7	673.8	673.8	673.8
165°	687.3	687.3	687.3	687.4	687.5	687.6	687.7	687.9	687.7	687.6	687.5
167.5°	697.8	697.9	697.9	698.1	698.5	699.0	699.4	699.8	699.4	699.0	698.5
170°	703.8	704.0	704.2	704.4	704.8	705.2	705.6	706.0	705.6	705.2	704.8
172.5°	708.3	708.3	708.5	708.7	709.1	709.6	710.0	710.4	710.0	709.6	709.1
175°	713.2	713.5	713.8	714.1	714.5	714.9	715.3	715.7	715.3	714.9	714.5
177.5°	715.9	716.1	716.3	716.6	716.9	717.2	717.5	717.9	717.5	717.2	716.9
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1180.8	1178.4	1174.1	1167.4	1163.4	1156.4	1151.8	1154.5	1155.1	1154.5	1153.8
5°	1149.1	1140.3	1128.2	1116.6	1105.8	1094.1	1087.4	1084.5	1078.7	1075.4	1073.7
7.5°	1110.7	1095.6	1078.6	1058.3	1041.0	1023.0	1013.7	1009.1	997.2	990.8	985.0
10°	1082.1	1058.3	1041.3	1014.6	998.4	974.7	958.5	958.9	942.6	933.4	926.8
12.5°	1050.4	1024.3	996.0	972.0	949.4	930.4	910.9	902.9	885.7	876.9	858.9
15°	998.0	967.6	937.7	905.1	882.3	852.7	824.4	789.9	762.0	737.8	731.2
17.5°	940.7	903.1	873.0	834.9	795.7	746.0	713.2	693.2	676.4	663.7	654.1
20°	901.4	863.2	831.1	773.6	720.8	687.1	663.0	647.6	630.1	616.4	608.9
22.5°	860.1	820.2	776.5	712.4	671.2	644.2	622.6	605.0	593.1	582.4	575.6
25°	801.5	757.8	685.8	641.7	608.5	580.2	565.2	554.3	541.8	527.3	520.7
27.5°	739.6	670.1	618.4	585.6	553.8	535.4	522.0	505.8	494.6	488.1	481.2
30°	693.3	623.9	583.5	547.7	525.2	504.8	489.0	479.9	469.0	457.8	453.2
32.5°	641.7	586.2	547.6	517.7	494.9	477.5	465.0	450.2	442.4	435.5	425.9
35°	577.6	535.7	500.3	476.1	454.4	440.3	425.7	417.0	402.8	397.1	393.3
37.5°	523.3	486.9	460.6	435.0	417.9	402.3	393.4	379.4	373.3	365.3	357.3
40°	492.8	457.0	431.5	410.7	391.6	379.9	368.8	357.5	348.3	344.6	335.0
42.5°	461.5	432.4	406.9	384.1	371.3	359.0	344.8	336.6	327.0	321.0	315.0
45°	418.2	392.5	370.8	352.0	337.9	325.1	315.8	302.1	296.8	284.6	279.6
47.5°	380.3	356.3	335.7	317.9	304.0	295.6	282.3	271.5	262.9	255.4	249.1
50°	353.4	333.4	313.4	297.6	285.1	273.0	259.3	253.9	240.5	236.8	233.1
52.5°	328.7	309.7	291.4	275.9	263.4	251.7	239.6	232.5	223.6	219.8	217.1
55°	294.2	275.9	258.4	244.7	232.2	220.1	212.6	203.9	199.7	196.8	193.6
57.5°	259.6	243.1	229.8	215.8	203.3	193.7	185.0	179.8	175.5	171.6	167.6
60°	237.7	221.8	209.8	196.8	183.9	176.0	169.4	163.1	158.2	152.3	150.7
62.5°	214.3	200.5	189.5	176.8	165.7	158.4	152.1	146.2	140.1	131.7	129.3
65°	182.3	171.5	159.8	149.4	139.4	132.3	123.2	116.5	114.1	113.2	112.8
67.5°	153.4	143.1	133.1	122.5	113.3	106.8	102.2	101.1	99.4	98.9	97.8
70°	134.0	124.4	114.5	104.4	95.7	94.5	92.8	91.2	89.0	88.2	87.4
72.5°	116.7	106.8	96.8	88.8	85.0	83.5	81.9	80.1	78.8	77.9	77.4
75°	89.4	80.3	73.7	70.8	68.6	67.4	64.9	63.7	62.9	61.6	61.1
77.5°	64.4	59.3	56.2	54.4	52.2	50.9	49.4	48.2	47.3	47.0	46.4
80°	49.1	46.6	44.5	42.1	41.2	39.5	39.1	37.9	38.3	37.0	37.0
82.5°	38.2	35.0	33.2	32.0	31.2	29.9	29.4	28.9	28.9	28.0	28.0
85°	19.6	18.8	17.9	17.0	17.0	15.8	16.2	15.8	15.8	15.0	14.6
87.5°	7.7	7.8	7.8	8.4	9.0	9.2	9.2	8.8	8.7	8.6	8.3
90°	7.1	9.4	12.3	15.2	18.2	21.2	20.9	20.6	20.4	20.1	20.1
92.5°	15.5	16.5	17.1	17.9	18.5	19.2	19.3	19.3	19.4	19.5	19.5
95°	36.9	37.7	37.9	38.2	38.5	38.7	38.7	38.7	38.7	38.7	38.6
97.5°	62.2	63.0	63.6	64.1	64.6	65.1	65.1	65.1	65.1	65.1	65.1
100°	81.1	81.9	82.3	82.7	83.1	83.5	83.5	83.5	83.5	83.5	83.4
102.5°	100.6	101.3	101.8	102.3	102.8	103.3	103.5	103.5	103.6	103.8	103.8
105°	131.7	132.0	132.3	132.6	132.8	133.1	133.4	133.6	133.9	134.2	134.3
107.5°	165.6	165.9	165.9	165.9	165.9	165.9	166.0	166.1	166.2	166.3	166.1
110°	187.8	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	187.9



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	211.0	211.3	211.2	211.1	211.0	210.9	210.6	210.3	209.9	209.6	209.3
115°	245.2	245.5	245.2	244.9	244.7	244.4	244.3	244.2	244.0	243.9	243.6
117.5°	280.4	280.5	279.8	279.1	278.3	277.6	277.3	277.0	276.6	276.3	275.9
120°	303.1	303.1	302.1	301.0	299.9	298.9	298.9	298.9	298.9	298.9	298.6
122.5°	324.8	325.1	324.3	323.6	322.9	322.1	321.8	321.5	321.1	320.8	320.5
125°	356.9	357.3	356.9	356.5	356.1	355.7	355.3	354.9	354.5	354.1	353.8
127.5°	389.8	390.4	389.9	389.4	388.9	388.4	387.9	387.4	386.9	386.5	386.0
130°	410.5	411.2	411.0	410.7	410.4	410.2	409.9	409.7	409.4	409.1	408.7
132.5°	431.5	432.3	432.3	432.4	432.4	432.4	431.9	431.3	430.6	430.1	429.6
135°	461.5	462.4	462.6	462.9	463.2	463.4	463.3	463.2	463.0	462.9	462.6
137.5°	491.7	492.5	492.8	493.3	493.6	493.9	493.8	493.7	493.6	493.5	493.2
140°	510.6	511.5	512.3	512.9	513.6	514.2	514.2	514.2	514.2	514.2	514.0
142.5°	529.9	530.8	531.2	531.7	532.1	532.6	532.7	532.9	533.0	533.0	532.9
145°	556.8	557.6	558.4	559.2	560.0	560.8	560.9	561.1	561.3	561.3	561.2
147.5°	582.3	583.1	583.7	584.2	584.7	585.3	585.5	585.9	586.1	586.4	586.4
150°	597.9	598.6	599.2	599.7	600.2	600.8	601.2	601.5	601.9	602.3	602.3
152.5°	612.9	613.7	614.3	615.0	615.6	616.3	616.8	617.3	617.8	618.3	618.3
155°	633.8	634.2	634.6	635.0	635.4	635.9	636.5	637.2	637.9	638.5	638.7
157.5°	652.6	652.8	653.1	653.3	653.5	653.8	654.7	655.6	656.5	657.4	657.5
160°	664.1	664.4	664.5	664.6	664.7	664.9	665.7	666.5	667.3	668.1	668.2
162.5°	673.9	674.0	674.2	674.3	674.4	674.6	675.5	676.4	677.4	678.2	678.3
165°	687.4	687.3	687.3	687.3	687.3	687.3	688.2	689.2	690.1	691.0	691.2
167.5°	698.1	697.9	697.9	697.8	697.8	697.8	698.7	699.7	700.6	701.6	701.6
170°	704.4	704.2	704.0	703.8	703.8	703.6	704.6	705.5	706.5	707.4	707.4
172.5°	708.7	708.5	708.3	708.3	708.1	707.9	708.9	709.9	710.8	711.8	711.8
175°	714.1	713.8	713.5	713.2	713.0	712.7	713.6	714.5	715.5	716.5	716.5
177.5°	716.6	716.3	716.1	715.9	715.7	715.4	716.1	716.7	717.4	718.0	718.0
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1150.1	1150.8	1149.8	1150.5	1149.8	1150.8	1150.1	1153.8	1154.5	1155.1	1154.5
5°	1071.6	1066.7	1065.8	1064.5	1065.8	1066.7	1071.6	1073.7	1075.4	1078.7	1084.5
7.5°	978.0	977.1	975.1	972.2	975.1	977.1	978.0	985.0	990.8	997.2	1009.1
10°	917.6	915.6	915.2	912.2	915.2	915.6	917.6	926.8	933.4	942.6	958.9
12.5°	847.1	833.6	832.3	825.0	832.3	833.6	847.1	858.9	876.9	885.7	902.9
15°	721.2	718.8	710.4	705.0	710.4	718.8	721.2	731.2	737.8	762.0	789.9
17.5°	649.3	641.2	638.5	637.4	638.5	641.2	649.3	654.1	663.7	676.4	693.2
20°	603.0	595.6	594.3	593.5	594.3	595.6	603.0	608.9	616.4	630.1	647.6
22.5°	571.0	563.2	560.0	557.5	560.0	563.2	571.0	575.6	582.4	593.1	605.0
25°	516.5	513.6	511.9	511.0	511.9	513.6	516.5	520.7	527.3	541.8	554.3
27.5°	473.8	467.3	466.1	464.0	466.1	467.3	473.8	481.2	488.1	494.6	505.8
30°	449.5	447.4	444.5	442.0	444.5	447.4	449.5	453.2	457.8	469.0	479.9
32.5°	420.9	419.1	416.5	415.3	416.5	419.1	420.9	425.9	435.5	442.4	450.2
35°	389.1	383.3	380.8	377.1	380.8	383.3	389.1	393.3	397.1	402.8	417.0
37.5°	355.6	352.5	349.0	350.3	349.0	352.5	355.6	357.3	365.3	373.3	379.4
40°	329.6	327.5	326.7	326.3	326.7	327.5	329.6	335.0	344.6	348.3	357.5
42.5°	309.0	303.2	301.1	301.0	301.1	303.2	309.0	315.0	321.0	327.0	336.6
45°	277.6	272.1	268.4	268.9	268.4	272.1	277.6	279.6	284.6	296.8	302.1
47.5°	245.5	245.3	243.0	243.7	243.0	245.3	245.5	249.1	255.4	262.9	271.5
50°	230.2	227.6	226.0	226.4	226.0	227.6	230.2	233.1	236.8	240.5	253.9
52.5°	215.5	213.4	212.0	213.8	212.0	213.4	215.5	217.1	219.8	223.6	232.5
55°	191.4	188.9	188.5	188.1	188.5	188.9	191.4	193.6	196.8	199.7	203.9
57.5°	164.5	162.9	160.4	159.3	160.4	162.9	164.5	167.6	171.6	175.5	179.8
60°	145.2	141.9	137.8	137.3	137.8	141.9	145.2	150.7	152.3	158.2	163.1
62.5°	127.6	126.9	126.1	126.0	126.1	126.9	127.6	129.3	131.7	140.1	146.2
65°	111.9	111.5	111.9	112.3	111.9	111.5	111.9	112.8	113.2	114.1	116.5
67.5°	97.6	96.8	96.0	96.4	96.0	96.8	97.6	97.8	98.9	99.4	101.1
70°	86.6	86.2	85.8	85.8	85.8	86.2	86.6	87.4	88.2	89.0	91.2
72.5°	75.9	75.8	75.4	75.1	75.4	75.8	75.9	77.4	77.9	78.8	80.1
75°	60.7	59.9	59.9	59.9	59.9	59.9	60.7	61.1	61.6	62.9	63.7
77.5°	46.3	45.9	45.4	45.1	45.4	45.9	46.3	46.4	47.0	47.3	48.2
80°	36.6	36.2	35.8	35.8	35.8	36.2	36.6	37.0	37.0	38.3	37.9
82.5°	28.0	27.6	27.5	27.1	27.5	27.6	28.0	28.0	28.0	28.9	28.9
85°	15.0	15.4	15.0	15.8	15.0	15.4	15.0	14.6	15.0	15.8	15.8
87.5°	8.4	8.1	8.4	8.1	8.4	8.1	8.4	8.3	8.6	8.7	8.8
90°	20.1	20.3	20.5	20.5	20.5	20.3	20.1	20.1	20.1	20.4	20.6
92.5°	19.5	19.6	19.6	19.6	19.6	19.6	19.5	19.5	19.5	19.4	19.3
95°	38.3	38.1	37.7	37.5	37.7	38.1	38.3	38.6	38.7	38.7	38.7
97.5°	65.1	65.1	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1
100°	83.3	83.2	83.0	82.9	83.0	83.2	83.3	83.4	83.5	83.5	83.5
102.5°	103.6	103.5	103.4	103.2	103.4	103.5	103.6	103.8	103.8	103.6	103.5
105°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.2	133.9	133.6
107.5°	165.4	164.9	164.2	163.6	164.2	164.9	165.4	166.1	166.3	166.2	166.1
110°	187.5	187.1	186.7	186.4	186.7	187.1	187.5	187.9	188.2	188.2	188.2



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	209.0	208.7	208.4	208.1	208.4	208.7	209.0	209.3	209.6	209.9	210.3
115°	243.2	242.8	242.4	242.0	242.4	242.8	243.2	243.6	243.9	244.0	244.2
117.5°	275.5	275.1	274.7	274.3	274.7	275.1	275.5	275.9	276.3	276.6	277.0
120°	298.2	297.8	297.4	297.0	297.4	297.8	298.2	298.6	298.9	298.9	298.9
122.5°	320.2	319.9	319.6	319.4	319.6	319.9	320.2	320.5	320.8	321.1	321.5
125°	353.8	353.6	353.4	353.4	353.4	353.6	353.8	353.8	354.1	354.5	354.9
127.5°	385.6	385.1	384.7	384.3	384.7	385.1	385.6	386.0	386.5	386.9	387.4
130°	408.1	407.6	407.1	406.6	407.1	407.6	408.1	408.7	409.1	409.4	409.7
132.5°	429.2	428.7	428.3	427.9	428.3	428.7	429.2	429.6	430.1	430.6	431.3
135°	462.2	461.8	461.4	461.0	461.4	461.8	462.2	462.6	462.9	463.0	463.2
137.5°	492.6	492.1	491.5	491.0	491.5	492.1	492.6	493.2	493.5	493.6	493.7
140°	513.5	512.9	512.3	511.8	512.3	512.9	513.5	514.0	514.2	514.2	514.2
142.5°	532.3	531.7	531.2	530.7	531.2	531.7	532.3	532.9	533.0	533.0	532.9
145°	560.6	560.1	559.5	559.1	559.5	560.1	560.6	561.2	561.3	561.3	561.1
147.5°	585.9	585.3	584.8	584.3	584.8	585.3	585.9	586.4	586.4	586.1	585.9
150°	601.9	601.5	601.2	600.8	601.2	601.5	601.9	602.3	602.3	601.9	601.5
152.5°	617.8	617.3	616.8	616.3	616.8	617.3	617.8	618.3	618.3	617.8	617.3
155°	638.3	637.9	637.5	637.1	637.5	637.9	638.3	638.7	638.5	637.9	637.2
157.5°	656.9	656.2	655.6	654.9	655.6	656.2	656.9	657.5	657.4	656.5	655.6
160°	667.7	667.2	666.7	666.1	666.7	667.2	667.7	668.2	668.1	667.3	666.5
162.5°	677.7	677.1	676.5	675.8	676.5	677.1	677.7	678.3	678.2	677.4	676.4
165°	690.5	689.8	689.2	688.5	689.2	689.8	690.5	691.2	691.0	690.1	689.2
167.5°	701.0	700.3	699.6	698.9	699.6	700.3	701.0	701.6	701.6	700.6	699.7
170°	706.6	705.8	705.0	704.2	705.0	705.8	706.6	707.4	707.4	706.5	705.5
172.5°	711.0	710.2	709.4	708.6	709.4	710.2	711.0	711.8	711.8	710.8	709.9
175°	715.7	714.9	714.1	713.3	714.1	714.9	715.7	716.5	716.5	715.5	714.5
177.5°	717.4	716.7	716.1	715.4	716.1	716.7	717.4	718.0	718.0	717.4	716.7
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1151.8	1156.4	1163.4	1167.4	1174.1	1178.4	1180.8	1185.1	1187.4	1195.7	1204.4
5°	1087.4	1094.1	1105.8	1116.6	1128.2	1140.3	1149.1	1159.0	1168.2	1184.0	1200.7
7.5°	1013.7	1023.0	1041.0	1058.3	1078.6	1095.6	1110.7	1127.7	1143.0	1165.6	1189.3
10°	958.5	974.7	998.4	1014.6	1041.3	1058.3	1082.1	1100.7	1122.0	1151.9	1178.6
12.5°	910.9	930.4	949.4	972.0	996.0	1024.3	1050.4	1074.5	1099.7	1130.7	1162.0
15°	824.4	852.7	882.3	905.1	937.7	967.6	998.0	1030.5	1061.3	1098.3	1139.1
17.5°	713.2	746.0	795.7	834.9	873.0	903.1	940.7	980.0	1016.3	1060.9	1106.4
20°	663.0	687.1	720.8	773.6	831.1	863.2	901.4	944.7	986.3	1035.0	1083.7
22.5°	622.6	644.2	671.2	712.4	776.5	820.2	860.1	904.1	952.4	1002.1	1056.1
25°	565.2	580.2	608.5	641.7	685.8	757.8	801.5	845.6	898.1	951.4	1012.9
27.5°	522.0	535.4	553.8	585.6	618.4	670.1	739.6	787.7	840.0	899.9	963.8
30°	489.0	504.8	525.2	547.7	583.5	623.9	693.3	749.1	800.7	862.3	930.6
32.5°	465.0	477.5	494.9	517.7	547.6	586.2	641.7	709.5	759.8	824.7	895.9
35°	425.7	440.3	454.4	476.1	500.3	535.7	577.6	650.0	700.0	764.1	835.7
37.5°	393.4	402.3	417.9	435.0	460.6	486.9	523.3	588.3	642.3	705.2	778.5
40°	368.8	379.9	391.6	410.7	431.5	457.0	492.8	541.0	603.0	664.6	736.2
42.5°	344.8	359.0	371.3	384.1	406.9	432.4	461.5	502.4	565.7	624.0	693.6
45°	315.8	325.1	337.9	352.0	370.8	392.5	418.2	454.0	514.8	565.2	630.5
47.5°	282.3	295.6	304.0	317.9	335.7	356.3	380.3	411.2	460.5	507.7	568.3
50°	259.3	273.0	285.1	297.6	313.4	333.4	353.4	383.3	422.8	472.4	529.0
52.5°	239.6	251.7	263.4	275.9	291.4	309.7	328.7	355.0	388.9	434.4	489.3
55°	212.6	220.1	232.2	244.7	258.4	275.9	294.2	316.3	345.4	383.7	428.3
57.5°	185.0	193.7	203.3	215.8	229.8	243.1	259.6	279.6	302.6	337.2	375.3
60°	169.4	176.0	183.9	196.8	209.8	221.8	237.7	254.3	275.9	305.9	338.3
62.5°	152.1	158.4	165.7	176.8	189.5	200.5	214.3	232.0	250.3	277.6	306.1
65°	123.2	132.3	139.4	149.4	159.8	171.5	182.3	196.4	212.6	234.3	259.7
67.5°	102.2	106.8	113.3	122.5	133.1	143.1	153.4	164.4	178.5	195.2	215.3
70°	92.8	94.5	95.7	104.4	114.5	124.4	134.0	144.4	156.5	170.2	187.7
72.5°	81.9	83.5	85.0	88.8	96.8	106.8	116.7	124.4	135.8	147.2	161.4
75°	64.9	67.4	68.6	70.8	73.7	80.3	89.4	96.9	103.6	112.3	123.6
77.5°	49.4	50.9	52.2	54.4	56.2	59.3	64.4	71.2	77.4	82.5	90.3
80°	39.1	39.5	41.2	42.1	44.5	46.6	49.1	54.5	60.7	62.9	68.2
82.5°	29.4	29.9	31.2	32.0	33.2	35.0	38.2	39.5	44.4	47.2	50.6
85°	16.2	15.8	17.0	17.0	17.9	18.8	19.6	21.6	22.9	26.3	27.1
87.5°	9.2	9.2	9.0	8.4	7.8	7.8	7.7	7.7	8.1	8.8	9.8
90°	20.9	21.2	18.2	15.2	12.3	9.4	7.1	5.5	3.8	2.2	0.6
92.5°	19.3	19.2	18.5	17.9	17.1	16.5	15.5	14.3	13.1	12.0	10.8
95°	38.7	38.7	38.5	38.2	37.9	37.7	36.9	35.5	34.2	32.8	31.5
97.5°	65.1	65.1	64.6	64.1	63.6	63.0	62.2	61.0	59.8	58.6	57.5
100°	83.5	83.5	83.1	82.7	82.3	81.9	81.1	80.1	79.0	77.9	76.8
102.5°	103.5	103.3	102.8	102.3	101.8	101.3	100.6	99.7	98.9	98.0	97.2
105°	133.4	133.1	132.8	132.6	132.3	132.0	131.7	131.3	130.9	130.4	130.0
107.5°	166.0	165.9	165.9	165.9	165.9	165.9	165.6	165.0	164.4	163.8	163.2
110°	188.2	188.2	188.2	188.2	188.2	188.2	187.8	186.9	186.1	185.3	184.5



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	210.6	210.9	211.0	211.1	211.2	211.3	211.0	210.2	209.4	208.6	207.7
115°	244.3	244.4	244.7	244.9	245.2	245.5	245.2	244.4	243.6	242.8	242.0
117.5°	277.3	277.6	278.3	279.1	279.8	280.5	280.4	279.3	278.3	277.2	276.1
120°	298.9	298.9	299.9	301.0	302.1	303.1	303.1	302.1	301.0	299.9	298.9
122.5°	321.8	322.1	322.9	323.6	324.3	325.1	324.8	323.5	322.3	321.0	319.7
125°	355.3	355.7	356.1	356.5	356.9	357.3	356.9	355.7	354.5	353.4	352.1
127.5°	387.9	388.4	388.9	389.4	389.9	390.4	389.8	388.2	386.8	385.2	383.7
130°	409.9	410.2	410.4	410.7	411.0	411.2	410.5	408.8	407.0	405.3	403.5
132.5°	431.9	432.4	432.4	432.4	432.3	432.3	431.5	430.1	428.7	427.2	425.8
135°	463.3	463.4	463.2	462.9	462.6	462.4	461.5	460.0	458.5	457.1	455.6
137.5°	493.8	493.9	493.6	493.3	492.8	492.5	491.7	490.6	489.3	488.1	486.9
140°	514.2	514.2	513.6	512.9	512.3	511.5	510.6	509.4	508.2	507.0	505.8
142.5°	532.7	532.6	532.1	531.7	531.2	530.8	529.9	528.8	527.6	526.4	525.1
145°	560.9	560.8	560.0	559.2	558.4	557.6	556.8	555.8	554.8	553.9	552.9
147.5°	585.5	585.3	584.7	584.2	583.7	583.1	582.3	581.1	580.0	578.9	577.8
150°	601.2	600.8	600.2	599.7	599.2	598.6	597.9	597.1	596.3	595.5	594.7
152.5°	616.8	616.3	615.6	615.0	614.3	613.7	612.9	612.1	611.3	610.5	609.7
155°	636.5	635.9	635.4	635.0	634.6	634.2	633.8	633.4	633.0	632.6	632.2
157.5°	654.7	653.8	653.5	653.3	653.1	652.8	652.6	652.2	652.0	651.8	651.4
160°	665.7	664.9	664.7	664.6	664.5	664.4	664.1	663.9	663.6	663.3	663.1
162.5°	675.5	674.6	674.4	674.3	674.2	674.0	673.9	673.8	673.8	673.8	673.7
165°	688.2	687.3	687.3	687.3	687.3	687.3	687.3	687.4	687.5	687.6	687.7
167.5°	698.7	697.8	697.8	697.8	697.9	697.9	698.1	698.5	699.0	699.4	699.8
170°	704.6	703.6	703.8	703.8	704.0	704.2	704.4	704.8	705.2	705.6	706.0
172.5°	708.9	707.9	708.1	708.3	708.3	708.5	708.7	709.1	709.6	710.0	710.4
175°	713.6	712.7	713.0	713.2	713.5	713.8	714.1	714.5	714.9	715.3	715.7
177.5°	716.1	715.4	715.7	715.9	716.1	716.3	716.6	716.9	717.2	717.5	717.9
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1204.8	1205.7	1212.4	1215.4	1221.4	1223.7	1226.4	1225.7	1225.7	1227.0	1236.4
5°	1207.3	1215.6	1228.1	1240.2	1251.8	1261.8	1268.5	1275.1	1277.7	1289.7	1300.6
7.5°	1203.0	1218.3	1238.9	1257.4	1279.4	1296.7	1310.9	1323.9	1332.7	1350.2	1368.2
10°	1197.3	1219.0	1242.3	1266.0	1296.4	1319.2	1342.6	1360.5	1366.3	1392.5	1407.5
12.5°	1186.0	1215.0	1244.6	1275.3	1305.0	1336.6	1362.2	1380.1	1400.6	1424.2	1451.8
15°	1169.1	1202.3	1241.0	1280.6	1323.0	1361.3	1388.8	1420.0	1442.4	1468.3	1492.4
17.5°	1144.6	1187.5	1236.7	1282.5	1331.5	1372.7	1410.5	1440.5	1456.3	1471.0	1474.6
20°	1125.4	1171.5	1229.4	1283.4	1332.6	1380.1	1417.5	1442.4	1446.6	1447.0	1425.0
22.5°	1104.3	1156.5	1217.1	1272.5	1331.2	1384.1	1413.2	1423.8	1407.3	1379.1	1336.4
25°	1065.8	1126.2	1196.5	1259.7	1323.9	1373.8	1383.8	1365.1	1307.2	1246.4	1169.5
27.5°	1024.0	1091.8	1167.3	1237.6	1305.9	1336.8	1315.2	1247.7	1143.5	1053.0	943.2
30°	993.4	1069.6	1143.6	1222.3	1285.6	1298.9	1249.4	1149.9	1028.3	891.9	782.4
32.5°	958.5	1038.3	1119.7	1201.0	1253.9	1241.0	1159.1	1036.7	894.2	760.0	656.6
35°	908.5	990.9	1078.7	1160.3	1194.0	1137.8	1015.5	856.1	710.4	585.1	514.0
37.5°	850.8	940.5	1031.8	1106.8	1104.3	1010.7	844.1	679.6	557.1	483.0	432.4
40°	809.8	900.6	999.2	1062.5	1035.4	913.5	732.9	577.6	488.2	429.1	392.0
42.5°	770.6	861.6	959.6	1009.9	962.9	812.9	633.0	511.4	437.6	391.4	361.4
45°	703.8	799.9	890.6	918.5	834.5	669.2	511.9	423.6	374.5	340.5	319.6
47.5°	638.4	733.0	815.8	816.3	702.5	542.7	431.8	366.6	324.7	298.3	283.2
50°	598.4	688.4	757.8	747.1	618.0	482.7	386.2	330.0	295.1	274.7	258.9
52.5°	553.5	640.7	700.9	670.1	546.4	424.9	345.3	298.1	269.1	251.4	237.3
55°	488.2	565.6	608.1	561.4	445.7	353.4	291.7	254.7	233.1	218.1	206.0
57.5°	424.0	487.9	514.5	460.3	367.1	293.0	246.8	219.0	197.5	186.8	180.5
60°	383.7	438.2	457.0	397.1	319.2	256.3	218.5	192.7	176.8	169.8	163.5
62.5°	344.1	388.7	396.4	341.4	278.3	224.4	191.8	170.1	159.6	152.8	146.9
65°	285.5	317.6	313.8	269.7	220.1	178.1	154.4	141.0	133.1	123.6	113.2
67.5°	235.1	254.6	242.8	209.8	168.0	138.4	122.9	112.8	103.1	94.0	91.6
70°	203.1	214.3	201.9	171.5	137.8	116.1	103.6	91.6	85.8	83.6	79.9
72.5°	172.4	176.3	162.9	136.8	112.1	96.1	84.0	77.2	74.1	72.3	70.0
75°	129.5	126.5	114.9	94.5	77.9	67.0	63.3	60.7	58.7	57.0	55.8
77.5°	90.9	86.7	76.2	62.9	54.2	49.0	46.8	45.4	44.4	43.6	42.4
80°	68.2	65.3	55.0	44.9	41.2	38.7	37.4	35.8	35.8	35.0	33.7
82.5°	50.0	46.7	37.6	32.9	30.9	29.4	28.5	27.5	27.1	27.3	26.4
85°	26.3	21.2	18.8	17.9	16.6	15.8	16.2	15.4	15.4	15.4	15.0
87.5°	8.4	7.1	7.1	7.1	7.8	8.5	8.7	9.3	10.2	9.9	10.1
90°	2.2	3.8	5.5	7.1	9.4	12.3	15.2	18.2	21.2	20.9	20.6
92.5°	12.0	13.1	14.3	15.5	16.5	17.1	17.9	18.5	19.2	19.3	19.3
95°	32.8	34.2	35.5	36.9	37.7	37.9	38.2	38.5	38.7	38.7	38.7
97.5°	58.6	59.8	61.0	62.2	63.0	63.6	64.1	64.6	65.1	65.1	65.1
100°	77.9	79.0	80.1	81.1	81.9	82.3	82.7	83.1	83.5	83.5	83.5
102.5°	98.0	98.9	99.7	100.6	101.3	101.8	102.3	102.8	103.3	103.5	103.5
105°	130.4	130.9	131.3	131.7	132.0	132.3	132.6	132.8	133.1	133.4	133.6
107.5°	163.8	164.4	165.0	165.6	165.9	165.9	165.9	165.9	165.9	166.0	166.1
110°	185.3	186.1	186.9	187.8	188.2	188.2	188.2	188.2	188.2	188.2	188.2



TEST NUMBER: P331810-930

CATALOG NUMBER: S122RDIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	208.6	209.4	210.2	211.0	211.3	211.2	211.1	211.0	210.9	210.6	210.3
115°	242.8	243.6	244.4	245.2	245.5	245.2	244.9	244.7	244.4	244.3	244.2
117.5°	277.2	278.3	279.3	280.4	280.5	279.8	279.1	278.3	277.6	277.3	277.0
120°	299.9	301.0	302.1	303.1	303.1	302.1	301.0	299.9	298.9	298.9	298.9
122.5°	321.0	322.3	323.5	324.8	325.1	324.3	323.6	322.9	322.1	321.8	321.5
125°	353.4	354.5	355.7	356.9	357.3	356.9	356.5	356.1	355.7	355.3	354.9
127.5°	385.2	386.8	388.2	389.8	390.4	389.9	389.4	388.9	388.4	387.9	387.4
130°	405.3	407.0	408.8	410.5	411.2	411.0	410.7	410.4	410.2	409.9	409.7
132.5°	427.2	428.7	430.1	431.5	432.3	432.3	432.4	432.4	432.4	431.9	431.3
135°	457.1	458.5	460.0	461.5	462.4	462.6	462.9	463.2	463.4	463.3	463.2
137.5°	488.1	489.3	490.6	491.7	492.5	492.8	493.3	493.6	493.9	493.8	493.7
140°	507.0	508.2	509.4	510.6	511.5	512.3	512.9	513.6	514.2	514.2	514.2
142.5°	526.4	527.6	528.8	529.9	530.8	531.2	531.7	532.1	532.6	532.7	532.9
145°	553.9	554.8	555.8	556.8	557.6	558.4	559.2	560.0	560.8	560.9	561.1
147.5°	578.9	580.0	581.1	582.3	583.1	583.7	584.2	584.7	585.3	585.5	585.9
150°	595.5	596.3	597.1	597.9	598.6	599.2	599.7	600.2	600.8	601.2	601.5
152.5°	610.5	611.3	612.1	612.9	613.7	614.3	615.0	615.6	616.3	616.8	617.3
155°	632.6	633.0	633.4	633.8	634.2	634.6	635.0	635.4	635.9	636.5	637.2
157.5°	651.8	652.0	652.2	652.6	652.8	653.1	653.3	653.5	653.8	654.7	655.6
160°	663.3	663.6	663.9	664.1	664.4	664.5	664.6	664.7	664.9	665.7	666.5
162.5°	673.8	673.8	673.8	673.9	674.0	674.2	674.3	674.4	674.6	675.5	676.4
165°	687.7	687.6	687.5	687.4	687.3	687.3	687.3	687.3	687.3	688.2	689.2
167.5°	699.4	699.0	698.5	698.1	697.9	697.9	697.8	697.8	697.8	698.7	699.7
170°	705.6	705.2	704.8	704.4	704.2	704.0	703.8	703.8	703.6	704.6	705.5
172.5°	710.0	709.6	709.1	708.7	708.5	708.3	708.3	708.1	707.9	708.9	709.9
175°	715.3	714.9	714.5	714.1	713.8	713.5	713.2	713.0	712.7	713.6	714.5
177.5°	717.5	717.2	716.9	716.6	716.3	716.1	715.9	715.7	715.4	716.1	716.7
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1239.7	1244.0	1246.0	1246.0	1248.4	1247.3	1246.3
5°	1310.9	1318.8	1320.5	1328.0	1333.4	1331.7	1332.6
7.5°	1381.8	1394.5	1407.0	1412.8	1413.7	1417.1	1418.3
10°	1425.4	1435.8	1455.4	1452.5	1467.0	1475.4	1461.6
12.5°	1467.4	1481.4	1494.9	1498.7	1507.0	1509.6	1504.2
15°	1505.3	1512.8	1513.6	1511.6	1514.0	1512.0	1504.1
17.5°	1469.8	1457.7	1433.1	1421.4	1412.2	1398.5	1393.0
20°	1411.2	1375.4	1333.8	1317.2	1297.6	1259.3	1268.5
22.5°	1284.7	1243.9	1202.3	1153.7	1130.5	1094.2	1092.0
25°	1087.9	1017.6	940.1	886.1	854.4	818.2	802.4
27.5°	845.8	757.2	693.8	661.7	632.5	603.8	602.6
30°	686.6	620.1	571.0	543.6	525.6	513.6	516.1
32.5°	578.8	533.2	500.1	477.3	464.1	454.9	454.8
35°	473.2	442.0	420.8	411.2	401.6	394.9	395.3
37.5°	405.0	386.2	374.4	363.8	357.8	354.6	352.8
40°	370.0	354.6	345.4	339.2	334.2	329.6	328.8
42.5°	342.3	329.6	320.4	315.5	310.9	307.6	306.8
45°	303.8	293.4	285.1	279.6	277.6	274.7	274.7
47.5°	270.3	260.0	253.6	250.1	246.5	244.6	244.5
50°	247.6	239.7	233.9	231.8	228.9	227.6	227.2
52.5°	227.3	221.4	217.3	215.8	214.6	213.0	213.3
55°	199.7	196.4	194.8	193.6	191.4	188.9	190.6
57.5°	176.5	173.7	169.3	165.3	163.4	161.7	162.3
60°	160.2	154.4	148.5	144.0	142.8	139.0	139.0
62.5°	139.6	131.4	124.3	121.7	120.4	118.7	118.4
65°	107.4	104.0	102.4	100.7	99.9	99.9	99.1
67.5°	88.9	87.6	85.9	85.4	84.5	84.3	84.1
70°	78.7	77.0	76.1	75.7	74.9	75.3	74.1
72.5°	68.6	67.3	67.2	66.1	65.6	65.6	64.7
75°	54.1	54.1	53.6	53.2	52.4	52.0	52.4
77.5°	41.6	41.7	40.9	40.8	40.8	40.8	40.4
80°	33.3	33.7	33.3	32.9	32.4	32.9	32.4
82.5°	26.3	25.7	25.6	25.5	25.4	25.2	25.1
85°	15.0	15.4	15.0	14.6	14.6	14.6	15.0
87.5°	9.7	9.7	9.7	9.7	9.7	9.8	9.5
90°	20.4	20.1	20.1	20.1	20.3	20.5	20.5
92.5°	19.4	19.5	19.5	19.5	19.6	19.6	19.6
95°	38.7	38.7	38.6	38.3	38.1	37.7	37.5
97.5°	65.1	65.1	65.1	65.1	65.1	65.0	65.0
100°	83.5	83.5	83.4	83.3	83.2	83.0	82.9
102.5°	103.6	103.8	103.8	103.6	103.5	103.4	103.2
105°	133.9	134.2	134.3	134.3	134.3	134.3	134.3
107.5°	166.2	166.3	166.1	165.4	164.9	164.2	163.6
110°	188.2	188.2	187.9	187.5	187.1	186.7	186.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	209.9	209.6	209.3	209.0	208.7	208.4	208.1
115°	244.0	243.9	243.6	243.2	242.8	242.4	242.0
117.5°	276.6	276.3	275.9	275.5	275.1	274.7	274.3
120°	298.9	298.9	298.6	298.2	297.8	297.4	297.0
122.5°	321.1	320.8	320.5	320.2	319.9	319.6	319.4
125°	354.5	354.1	353.8	353.8	353.6	353.4	353.4
127.5°	386.9	386.5	386.0	385.6	385.1	384.7	384.3
130°	409.4	409.1	408.7	408.1	407.6	407.1	406.6
132.5°	430.6	430.1	429.6	429.2	428.7	428.3	427.9
135°	463.0	462.9	462.6	462.2	461.8	461.4	461.0
137.5°	493.6	493.5	493.2	492.6	492.1	491.5	491.0
140°	514.2	514.2	514.0	513.5	512.9	512.3	511.8
142.5°	533.0	533.0	532.9	532.3	531.7	531.2	530.7
145°	561.3	561.3	561.2	560.6	560.1	559.5	559.1
147.5°	586.1	586.4	586.4	585.9	585.3	584.8	584.3
150°	601.9	602.3	602.3	601.9	601.5	601.2	600.8
152.5°	617.8	618.3	618.3	617.8	617.3	616.8	616.3
155°	637.9	638.5	638.7	638.3	637.9	637.5	637.1
157.5°	656.5	657.4	657.5	656.9	656.2	655.6	654.9
160°	667.3	668.1	668.2	667.7	667.2	666.7	666.1
162.5°	677.4	678.2	678.3	677.7	677.1	676.5	675.8
165°	690.1	691.0	691.2	690.5	689.8	689.2	688.5
167.5°	700.6	701.6	701.6	701.0	700.3	699.6	698.9
170°	706.5	707.4	707.4	706.6	705.8	705.0	704.2
172.5°	710.8	711.8	711.8	711.0	710.2	709.4	708.6
175°	715.5	716.5	716.5	715.7	714.9	714.1	713.3
177.5°	717.4	718.0	718.0	717.4	716.7	716.1	715.4
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9

(END OF REPORT)