

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: P331532-830

Luminaire Tested: **S122DIW-S675D710U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331532-830  
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-S675D710U830-4F0-1E-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: 5082.8 lumens  
Efficiency: N/A  
Efficacy: 113.0 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

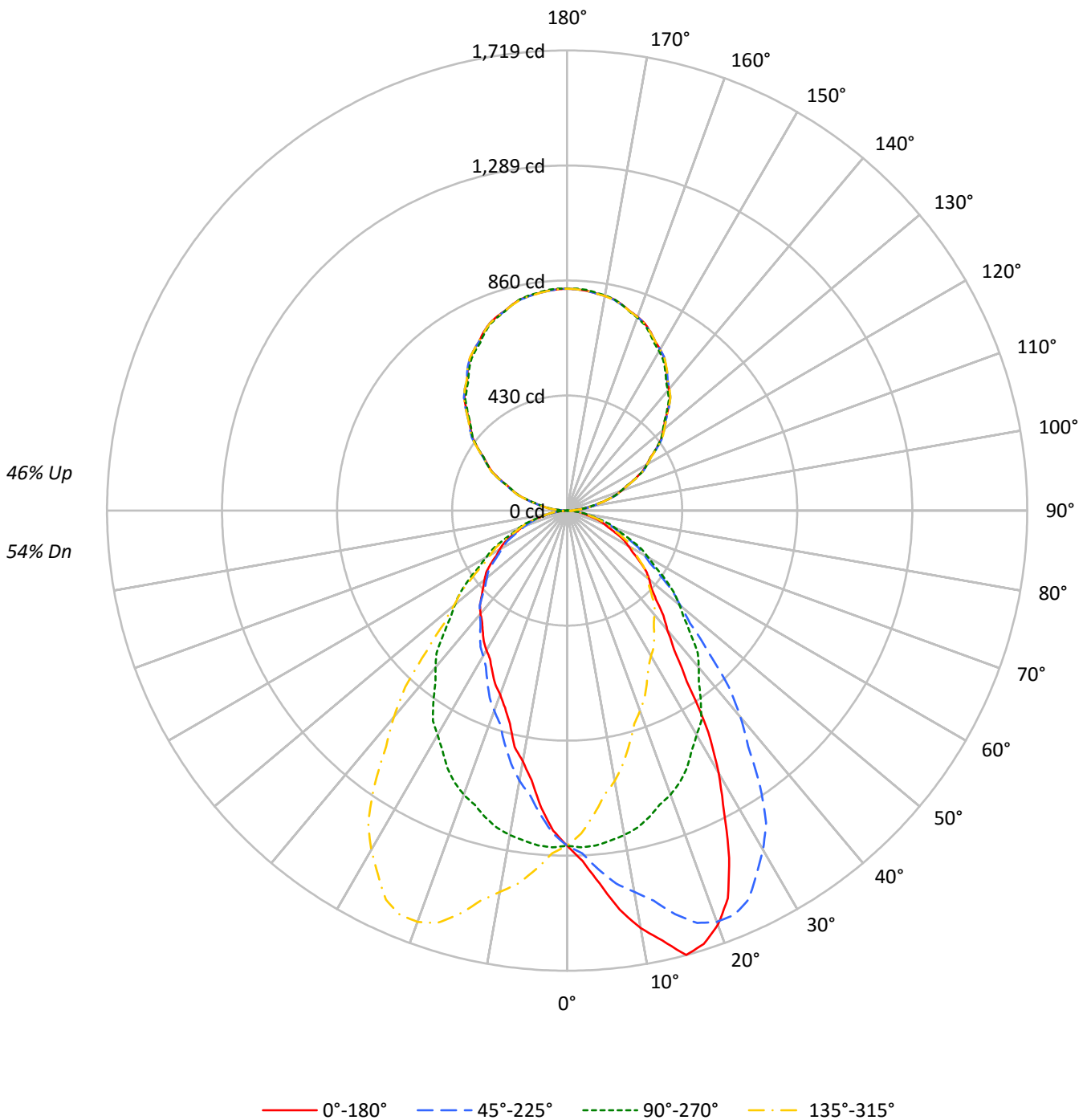
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.2	2.3
10°-20°	346.6	6.8
20°-30°	503.1	9.9
30°-40°	530.9	10.4
40°-50°	470.0	9.2
50°-60°	375.1	7.4
60°-70°	254.9	5.0
70°-80°	130.7	2.6
80°-90°	34.8	0.7
90°-100°	52.5	1.0
100°-110°	163.1	3.2
110°-120°	278.8	5.5
120°-130°	366.6	7.2
130°-140°	411.5	8.1
140°-150°	403.5	7.9
150°-160°	338.4	6.7
160°-170°	224.5	4.4
170°-180°	78.5	1.5
0°-30°	968.9	19.1
0°-40°	1499.8	29.5
0°-60°	2344.9	46.1
0°-90°	2765.4	54.4
90°-120°	494.4	9.7
90°-150°	1676.1	33.0
90°-180°	2317.0	45.6
0°-180°	5082.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1252	1252	1252	1252	1252	
5°	1398	1255	1112	1255	1398	140
15°	1719	1185	825	1185	1719	474
25°	1432	1060	662	1060	1432	647
35°	780	870	550	870	780	507
45°	470	653	451	653	470	369
55°	330	446	349	446	330	296
65°	203	266	236	266	203	202
75°	100	126	119	126	100	107
85°	26	26	19	26	26	29
90°	24	1	24	1	24	12
95°	43	36	43	36	43	48
105°	155	150	155	150	155	163
115°	280	280	280	280	280	276
125°	408	407	408	407	408	364
135°	533	527	533	527	533	410
145°	646	639	646	639	646	404
155°	736	731	736	731	736	339
165°	796	795	796	795	796	224
175°	825	827	825	827	825	78
180°	829	829	829	829	829	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1309.7	1310.0	1310.9	1304.7	1303.9	1303.9	1298.5	1293.9	1288.5	1281.2	1282.0
5°	1398.3	1403.5	1405.4	1399.7	1391.0	1390.1	1381.9	1368.4	1355.8	1345.8	1338.6
7.5°	1503.9	1506.0	1501.3	1493.6	1487.2	1475.7	1460.5	1445.6	1424.7	1405.5	1391.3
10°	1583.9	1586.9	1578.7	1567.6	1558.5	1545.0	1522.9	1500.2	1472.8	1446.3	1425.1
12.5°	1644.7	1651.9	1641.4	1639.9	1624.3	1605.8	1579.4	1568.0	1529.4	1492.5	1469.8
15°	1718.6	1718.2	1719.2	1710.1	1698.5	1695.5	1667.6	1637.4	1583.0	1561.3	1523.8
17.5°	1697.3	1704.6	1708.0	1707.9	1707.6	1705.8	1696.9	1677.7	1650.5	1615.3	1572.0
20°	1646.5	1656.1	1657.6	1668.7	1674.9	1683.1	1686.4	1681.1	1664.3	1634.9	1597.4
22.5°	1568.0	1570.7	1575.2	1592.4	1606.0	1626.5	1637.2	1655.0	1648.5	1634.2	1602.8
25°	1431.9	1427.1	1444.0	1452.6	1483.8	1516.6	1540.2	1566.1	1589.2	1603.2	1594.0
27.5°	1268.5	1261.3	1286.5	1309.5	1334.9	1370.4	1407.1	1450.5	1486.6	1531.7	1547.2
30°	1130.7	1135.0	1159.1	1183.6	1222.1	1272.1	1313.5	1361.2	1412.7	1463.2	1498.3
32.5°	982.1	998.8	1014.0	1051.6	1085.4	1141.3	1201.9	1261.5	1325.7	1383.1	1437.5
35°	779.5	798.7	819.9	847.3	894.9	950.3	1009.5	1089.8	1177.4	1255.8	1320.3
37.5°	656.1	653.0	665.2	684.9	723.6	768.2	836.3	915.8	1018.8	1111.0	1201.9
40°	582.2	580.2	588.9	607.2	636.6	669.3	729.0	798.7	894.5	1007.0	1115.3
42.5°	531.4	532.5	537.3	550.3	570.3	597.3	642.0	701.3	789.0	895.0	1011.3
45°	469.6	473.0	478.2	484.6	496.1	518.2	543.2	585.6	654.9	743.4	857.9
47.5°	425.2	425.3	430.6	436.1	443.0	455.4	475.9	502.4	551.3	623.4	721.8
50°	401.2	397.9	401.8	406.0	413.3	422.0	435.5	460.4	493.1	551.4	633.7
52.5°	372.0	372.1	375.6	377.2	383.7	392.3	404.6	422.0	451.6	497.1	564.8
55°	330.1	332.4	334.4	337.2	343.1	349.3	358.9	370.5	393.6	427.7	477.8
57.5°	290.6	291.3	293.3	298.8	302.5	308.2	317.4	327.8	342.9	368.2	405.8
60°	263.6	263.6	267.5	269.9	274.8	280.5	287.8	297.8	311.3	332.0	362.3
62.5°	239.0	238.7	240.2	244.1	247.8	253.2	260.4	269.0	281.6	300.0	325.0
65°	203.0	202.1	205.0	205.9	209.8	215.1	220.8	230.0	240.1	253.5	275.7
67.5°	168.4	169.6	171.1	173.0	175.0	180.6	184.5	191.0	199.4	210.7	225.6
70°	149.1	149.1	149.1	150.6	153.4	156.4	160.2	165.5	173.7	183.3	196.8
72.5°	127.6	129.1	130.6	129.8	133.5	135.2	139.8	142.8	150.6	156.7	168.7
75°	100.1	100.1	100.1	102.5	104.0	105.4	108.3	111.1	115.0	122.7	128.9
77.5°	74.6	74.5	74.9	75.5	77.1	78.8	79.6	82.3	85.9	89.4	94.7
80°	57.8	58.7	59.2	60.1	60.1	61.1	61.5	64.9	67.4	69.7	73.1
82.5°	44.7	44.9	45.0	45.1	45.5	46.1	47.3	48.4	49.3	51.3	53.9
85°	26.0	25.5	25.5	26.5	26.0	26.0	27.0	27.9	27.9	28.4	29.8
87.5°	14.8	14.7	15.1	14.7	14.6	15.1	15.1	14.8	15.3	15.6	15.4
90°	23.8	23.7	23.5	23.3	23.2	23.3	23.6	23.8	24.1	24.5	21.0
92.5°	22.6	22.6	22.6	22.5	22.5	22.5	22.4	22.3	22.3	22.2	21.4
95°	43.4	43.6	44.0	44.3	44.6	44.8	44.8	44.8	44.8	44.8	44.5
97.5°	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	74.6
100°	95.9	96.0	96.1	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.0
102.5°	119.3	119.5	119.6	119.8	120.0	120.0	119.8	119.7	119.6	119.4	118.9
105°	155.2	155.2	155.2	155.2	155.2	155.1	154.8	154.5	154.2	153.9	153.5
107.5°	189.2	189.8	190.6	191.2	192.0	192.3	192.2	192.0	191.9	191.8	191.8
110°	215.5	215.8	216.3	216.8	217.3	217.5	217.5	217.5	217.5	217.5	217.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	240.6	240.9	241.3	241.7	242.0	242.3	242.7	243.1	243.5	243.8	243.9
115°	279.7	280.2	280.7	281.2	281.6	281.9	282.1	282.3	282.4	282.6	282.9
117.5°	317.1	317.5	318.0	318.5	319.0	319.4	319.8	320.2	320.6	320.9	321.8
120°	343.4	343.8	344.3	344.8	345.3	345.5	345.5	345.5	345.5	345.5	346.8
122.5°	369.2	369.5	369.9	370.1	370.5	370.9	371.3	371.6	372.0	372.4	373.2
125°	408.5	408.6	408.8	409.0	409.1	409.3	409.8	410.3	410.8	411.2	411.7
127.5°	444.3	444.8	445.3	445.7	446.3	446.8	447.3	447.9	448.5	449.0	449.6
130°	470.0	470.6	471.3	471.8	472.5	473.0	473.3	473.6	473.9	474.2	474.5
132.5°	494.6	495.1	495.6	496.2	496.6	497.2	497.9	498.6	499.3	499.9	499.9
135°	532.9	533.4	533.9	534.3	534.8	535.2	535.3	535.5	535.6	535.7	535.5
137.5°	567.6	568.3	568.9	569.5	570.1	570.5	570.6	570.7	570.9	571.0	570.6
140°	591.7	592.3	593.0	593.6	594.2	594.5	594.5	594.5	594.5	594.5	593.7
142.5°	613.5	614.2	614.7	615.4	616.0	616.2	616.1	616.0	615.9	615.8	615.2
145°	646.3	646.9	647.5	648.1	648.8	648.9	648.8	648.7	648.5	648.4	647.4
147.5°	675.5	676.1	676.7	677.3	677.9	678.0	677.6	677.3	676.9	676.7	676.0
150°	694.6	695.0	695.4	695.9	696.4	696.4	695.9	695.4	695.0	694.6	693.9
152.5°	712.5	713.0	713.6	714.2	714.8	714.8	714.2	713.6	713.0	712.5	711.7
155°	736.5	737.0	737.4	737.9	738.4	738.2	737.4	736.6	735.8	735.1	734.6
157.5°	757.1	757.9	758.7	759.4	760.2	760.0	758.9	757.9	756.9	755.8	755.5
160°	770.1	770.7	771.3	771.9	772.5	772.4	771.5	770.5	769.6	768.6	768.5
162.5°	781.3	782.0	782.8	783.4	784.2	784.1	783.1	781.9	780.9	779.9	779.7
165°	796.0	796.7	797.5	798.2	799.1	798.9	797.8	796.7	795.6	794.6	794.6
167.5°	807.9	808.8	809.5	810.4	811.2	811.1	809.9	808.9	807.8	806.7	806.7
170°	814.1	815.0	816.0	816.9	817.8	817.7	816.7	815.6	814.5	813.4	813.6
172.5°	819.2	820.1	821.0	822.0	822.8	822.8	821.7	820.7	819.5	818.4	818.6
175°	824.6	825.6	826.5	827.4	828.3	828.3	827.2	826.0	825.0	823.9	824.3
177.5°	827.1	827.8	828.6	829.3	830.1	830.1	829.3	828.6	827.8	827.1	827.4
180°	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1284.7	1281.6	1279.7	1272.7	1266.6	1260.5	1258.5	1259.2	1250.8	1242.7	1239.3
5°	1334.7	1325.1	1316.0	1303.0	1287.6	1270.7	1262.1	1255.3	1238.5	1220.2	1209.7
7.5°	1379.6	1365.8	1348.2	1323.7	1301.4	1274.9	1258.0	1243.1	1218.4	1192.7	1176.9
10°	1406.9	1388.1	1365.5	1335.7	1308.2	1276.0	1253.4	1230.8	1201.9	1171.1	1151.9
12.5°	1430.4	1405.0	1382.8	1344.5	1312.1	1271.8	1244.9	1213.1	1182.7	1146.1	1127.3
15°	1486.3	1439.6	1397.2	1354.0	1314.0	1257.7	1227.9	1185.1	1145.1	1099.9	1078.3
17.5°	1529.5	1477.1	1410.3	1355.3	1308.7	1246.4	1202.6	1151.3	1104.1	1052.3	1022.9
20°	1554.2	1493.9	1422.3	1356.9	1301.0	1229.8	1182.2	1129.7	1074.4	1016.2	984.4
22.5°	1568.8	1505.5	1434.6	1351.0	1285.6	1216.4	1156.4	1098.9	1042.8	980.1	946.7
25°	1573.4	1515.6	1440.6	1346.2	1266.4	1188.0	1115.8	1060.0	992.1	933.4	884.9
27.5°	1550.5	1509.1	1436.9	1337.2	1244.2	1152.4	1072.0	1008.8	937.2	873.5	824.6
30°	1522.4	1498.3	1428.0	1327.9	1226.4	1127.8	1039.2	967.6	896.4	831.9	781.8
32.5°	1478.8	1473.7	1411.9	1314.8	1207.6	1096.6	1005.0	932.6	853.7	790.3	742.6
35°	1393.5	1416.5	1377.5	1285.6	1172.1	1052.3	953.2	870.4	788.6	728.0	683.2
37.5°	1278.9	1336.2	1326.1	1242.8	1124.2	1004.0	894.6	808.0	730.1	668.9	625.0
40°	1200.0	1273.1	1283.7	1210.1	1090.3	966.7	850.6	764.6	688.5	632.7	588.4
42.5°	1115.3	1200.8	1229.8	1170.8	1053.3	927.4	811.4	722.2	647.0	592.7	553.5
45°	973.4	1086.5	1138.9	1105.2	991.6	862.7	743.4	652.9	584.6	533.6	503.3
47.5°	840.7	964.2	1034.7	1022.8	923.0	795.3	677.4	590.6	524.1	483.3	456.2
50°	746.8	873.7	958.9	962.8	873.7	747.2	628.9	547.1	486.0	448.0	425.8
52.5°	665.2	786.4	879.3	899.7	818.7	697.2	585.4	504.0	450.2	415.2	395.4
55°	558.6	661.1	764.0	801.6	736.6	621.1	517.7	446.0	395.5	371.5	354.1
57.5°	464.4	549.9	645.0	686.5	646.4	547.5	450.5	388.3	347.3	326.2	312.9
60°	414.7	482.1	566.8	616.3	581.7	493.7	409.0	349.8	316.1	297.4	284.8
62.5°	368.5	428.2	499.8	545.2	526.3	443.3	367.4	315.2	286.1	268.4	259.5
65°	304.1	351.3	406.6	448.5	435.9	372.9	310.9	266.1	243.0	229.0	221.8
67.5°	250.4	284.5	322.8	359.5	349.4	304.7	255.0	220.1	202.8	190.9	186.5
70°	216.5	242.5	276.6	306.0	297.8	261.3	221.8	192.0	177.1	166.9	162.6
72.5°	184.2	205.6	231.6	255.6	250.1	219.7	186.8	164.3	152.8	143.5	139.9
75°	139.0	155.4	171.3	187.2	185.7	162.1	142.9	125.5	116.4	109.2	107.7
77.5°	102.6	111.8	122.6	132.1	129.4	115.9	100.9	91.0	84.2	79.4	78.6
80°	78.4	83.7	91.4	98.1	94.8	89.0	77.0	69.7	64.9	60.1	58.2
82.5°	56.8	62.2	66.8	70.4	67.9	62.5	55.0	50.1	47.2	44.0	43.2
85°	29.8	32.7	34.7	35.6	34.7	31.3	27.9	26.0	23.6	22.1	21.7
87.5°	15.1	14.4	13.7	13.9	12.4	12.1	10.2	8.6	8.6	8.6	8.2
90°	17.6	14.2	10.8	8.2	6.3	4.4	2.5	0.7	2.5	4.4	6.3
92.5°	20.6	19.8	19.0	17.9	16.6	15.2	13.9	12.4	13.9	15.2	16.6
95°	44.1	43.8	43.5	42.6	41.0	39.5	37.9	36.4	37.9	39.5	41.0
97.5°	74.1	73.5	72.9	71.9	70.5	69.2	67.8	66.4	67.8	69.2	70.5
100°	95.6	95.1	94.6	93.8	92.6	91.3	90.1	88.8	90.1	91.3	92.6
102.5°	118.3	117.7	117.1	116.3	115.3	114.3	113.3	112.4	113.3	114.3	115.3
105°	153.3	153.0	152.6	152.2	151.7	151.3	150.8	150.3	150.8	151.3	151.7
107.5°	191.8	191.8	191.8	191.4	190.8	190.1	189.4	188.7	189.4	190.1	190.8
110°	217.5	217.5	217.5	217.1	216.1	215.2	214.2	213.3	214.2	215.2	216.1





TEST NUMBER: P331532-830

CATALOG NUMBER: S122DIW-S675D710U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	244.0	244.2	244.3	243.9	243.0	242.0	241.1	240.2	241.1	242.0	243.0
115°	283.1	283.5	283.8	283.5	282.6	281.6	280.7	279.7	280.7	281.6	282.6
117.5°	322.6	323.5	324.3	324.1	322.9	321.7	320.5	319.2	320.5	321.7	322.9
120°	348.0	349.2	350.4	350.4	349.2	348.0	346.8	345.5	346.8	348.0	349.2
122.5°	374.1	374.9	375.9	375.5	374.0	372.6	371.1	369.6	371.1	372.6	374.0
125°	412.2	412.6	413.1	412.6	411.2	409.8	408.5	407.1	408.5	409.8	411.2
127.5°	450.2	450.7	451.3	450.6	448.8	447.1	445.4	443.6	445.4	447.1	448.8
130°	474.9	475.1	475.4	474.6	472.6	470.5	468.5	466.5	468.5	470.5	472.6
132.5°	499.8	499.7	499.7	498.8	497.2	495.6	493.9	492.3	493.9	495.6	497.2
135°	535.2	534.8	534.5	533.5	531.8	530.1	528.4	526.7	528.4	530.1	531.8
137.5°	570.2	569.8	569.4	568.4	567.1	565.7	564.3	562.9	564.3	565.7	567.1
140°	593.0	592.2	591.4	590.3	588.9	587.5	586.1	584.8	586.1	587.5	588.9
142.5°	614.7	614.2	613.7	612.7	611.3	609.9	608.5	607.1	608.5	609.9	611.3
145°	646.5	645.5	644.6	643.7	642.5	641.4	640.4	639.2	640.4	641.4	642.5
147.5°	675.3	674.8	674.1	673.2	671.8	670.5	669.2	668.0	669.2	670.5	671.8
150°	693.2	692.7	692.0	691.3	690.3	689.4	688.4	687.5	688.4	689.4	690.3
152.5°	711.0	710.2	709.5	708.6	707.7	706.7	705.8	704.8	705.8	706.7	707.7
155°	734.1	733.7	733.2	732.7	732.3	731.8	731.3	730.8	731.3	731.8	732.3
157.5°	755.3	755.0	754.7	754.4	754.0	753.8	753.5	753.1	753.5	753.8	754.0
160°	768.4	768.2	768.1	767.8	767.5	767.1	766.9	766.6	766.9	767.1	767.5
162.5°	779.6	779.4	779.2	779.1	779.0	779.0	778.9	778.8	778.9	779.0	779.0
165°	794.6	794.6	794.6	794.7	794.8	794.9	795.0	795.2	795.0	794.9	794.8
167.5°	806.7	806.8	806.8	807.1	807.6	808.0	808.5	809.0	808.5	808.0	807.6
170°	813.7	813.9	814.1	814.4	814.8	815.3	815.8	816.2	815.8	815.3	814.8
172.5°	818.8	818.9	819.1	819.4	819.8	820.3	820.8	821.2	820.8	820.3	819.8
175°	824.5	824.8	825.2	825.6	826.0	826.5	827.0	827.4	827.0	826.5	826.0
177.5°	827.6	827.8	828.1	828.4	828.8	829.2	829.5	829.9	829.5	829.2	828.8
180°	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8



TEST NUMBER: P331532-830

CATALOG NUMBER: S122DIW-S675D710U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1235.4	1233.1	1225.0	1220.8	1213.8	1207.3	1203.1	1205.0	1206.5	1205.8	1204.6
5°	1200.0	1190.8	1176.9	1164.9	1156.2	1140.3	1133.6	1130.2	1127.4	1124.0	1120.6
7.5°	1157.8	1143.4	1123.4	1106.3	1090.1	1070.4	1059.1	1052.3	1045.5	1037.8	1031.1
10°	1127.8	1107.6	1086.5	1062.3	1043.1	1025.3	1009.5	998.9	989.3	980.1	973.4
12.5°	1096.3	1073.0	1046.8	1013.9	992.7	967.2	964.8	946.1	931.1	925.5	917.6
15°	1046.0	1013.3	980.1	941.1	924.3	901.2	886.7	872.3	859.3	850.2	847.8
17.5°	988.9	946.6	913.6	885.6	858.0	834.3	821.0	809.5	798.8	786.6	784.9
20°	945.5	908.9	872.8	848.3	819.9	795.8	779.5	767.9	758.7	751.6	745.3
22.5°	904.3	864.2	831.2	804.4	776.4	757.0	744.0	732.9	725.3	717.3	711.4
25°	838.2	806.9	770.8	740.5	717.4	704.9	694.3	684.7	679.9	674.6	667.9
27.5°	780.3	745.6	711.8	688.3	668.1	657.0	649.4	642.9	638.4	635.3	631.5
30°	739.5	704.4	678.0	654.9	638.0	627.0	622.2	618.3	613.0	611.1	609.2
32.5°	700.3	668.6	646.0	625.9	609.9	602.7	598.2	594.8	590.7	588.7	584.8
35°	644.7	618.3	596.2	585.0	572.1	565.8	562.5	557.6	553.8	551.9	551.4
37.5°	592.5	569.5	555.0	540.7	535.3	531.4	526.8	523.5	522.4	522.1	521.6
40°	558.6	539.9	526.9	515.3	512.9	507.1	503.3	500.4	500.4	500.9	500.4
42.5°	527.8	511.0	499.5	489.6	486.7	483.2	479.4	479.2	480.0	481.6	480.0
45°	481.2	469.1	460.9	456.1	450.8	447.4	447.0	448.5	448.9	449.4	450.8
47.5°	438.2	430.3	422.8	417.5	415.2	414.6	414.1	416.6	418.9	419.7	422.0
50°	412.8	403.7	397.5	394.1	392.1	391.2	391.2	395.0	396.9	399.4	400.8
52.5°	384.4	377.9	373.5	371.0	370.2	370.8	371.0	374.3	377.3	378.1	378.9
55°	345.0	340.2	339.2	334.9	336.8	336.3	338.7	340.6	343.6	346.4	346.9
57.5°	305.8	301.9	299.3	299.6	300.2	302.4	304.3	307.7	310.9	313.9	314.1
60°	279.6	277.6	276.2	276.2	277.1	280.0	282.5	285.8	287.8	289.6	291.1
62.5°	255.7	253.7	252.3	253.1	255.6	257.3	260.1	261.9	263.8	265.8	266.5
65°	217.9	217.0	218.5	219.4	219.9	222.3	225.6	227.1	229.0	230.0	233.4
67.5°	183.2	183.4	183.2	184.5	187.4	187.9	191.1	194.4	194.8	196.7	198.9
70°	159.8	160.7	161.6	162.6	165.0	166.0	168.4	169.8	171.7	173.2	174.7
72.5°	138.2	138.4	139.3	139.1	141.2	143.3	145.3	146.8	148.6	150.5	151.9
75°	106.3	106.3	107.3	107.7	110.2	112.6	112.1	113.1	115.0	116.9	117.9
77.5°	77.7	76.6	77.7	78.1	78.9	81.0	81.3	82.7	84.8	84.2	85.3
80°	59.2	57.8	59.2	59.7	59.7	62.1	62.1	63.1	64.5	63.1	64.5
82.5°	42.2	41.6	42.6	42.7	43.5	43.5	44.4	44.6	46.0	45.3	46.0
85°	21.2	20.7	21.2	20.7	21.2	21.7	21.7	21.2	21.2	22.1	20.7
87.5°	8.2	8.3	8.6	9.3	9.6	9.9	9.4	9.4	9.3	8.5	8.5
90°	8.2	10.8	14.2	17.6	21.0	24.5	24.1	23.8	23.6	23.3	23.2
92.5°	17.9	19.0	19.8	20.6	21.4	22.2	22.3	22.3	22.4	22.5	22.5
95°	42.6	43.5	43.8	44.1	44.5	44.8	44.8	44.8	44.8	44.8	44.6
97.5°	71.9	72.9	73.5	74.1	74.6	75.2	75.2	75.2	75.2	75.2	75.2
100°	93.8	94.6	95.1	95.6	96.0	96.5	96.5	96.5	96.5	96.5	96.4
102.5°	116.3	117.1	117.7	118.3	118.9	119.4	119.6	119.7	119.8	120.0	120.0
105°	152.2	152.6	153.0	153.3	153.5	153.9	154.2	154.5	154.8	155.1	155.2
107.5°	191.4	191.8	191.8	191.8	191.8	191.8	191.9	192.0	192.2	192.3	192.0
110°	217.1	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.3



TEST NUMBER: P331532-830

CATALOG NUMBER: S122DIW-S675D710U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	243.9	244.3	244.2	244.0	243.9	243.8	243.5	243.1	242.7	242.3	242.0
115°	283.5	283.8	283.5	283.1	282.9	282.6	282.4	282.3	282.1	281.9	281.6
117.5°	324.1	324.3	323.5	322.6	321.8	320.9	320.6	320.2	319.8	319.4	319.0
120°	350.4	350.4	349.2	348.0	346.8	345.5	345.5	345.5	345.5	345.5	345.3
122.5°	375.5	375.9	374.9	374.1	373.2	372.4	372.0	371.6	371.3	370.9	370.5
125°	412.6	413.1	412.6	412.2	411.7	411.2	410.8	410.3	409.8	409.3	409.1
127.5°	450.6	451.3	450.7	450.2	449.6	449.0	448.5	447.9	447.3	446.8	446.3
130°	474.6	475.4	475.1	474.9	474.5	474.2	473.9	473.6	473.3	473.0	472.5
132.5°	498.8	499.7	499.7	499.8	499.9	499.9	499.3	498.6	497.9	497.2	496.6
135°	533.5	534.5	534.8	535.2	535.5	535.7	535.6	535.5	535.3	535.2	534.8
137.5°	568.4	569.4	569.8	570.2	570.6	571.0	570.9	570.7	570.6	570.5	570.1
140°	590.3	591.4	592.2	593.0	593.7	594.5	594.5	594.5	594.5	594.5	594.2
142.5°	612.7	613.7	614.2	614.7	615.2	615.8	615.9	616.0	616.1	616.2	616.0
145°	643.7	644.6	645.5	646.5	647.4	648.4	648.5	648.7	648.8	648.9	648.8
147.5°	673.2	674.1	674.8	675.3	676.0	676.7	676.9	677.3	677.6	678.0	677.9
150°	691.3	692.0	692.7	693.2	693.9	694.6	695.0	695.4	695.9	696.4	696.4
152.5°	708.6	709.5	710.2	711.0	711.7	712.5	713.0	713.6	714.2	714.8	714.8
155°	732.7	733.2	733.7	734.1	734.6	735.1	735.8	736.6	737.4	738.2	738.4
157.5°	754.4	754.7	755.0	755.3	755.5	755.8	756.9	757.9	758.9	760.0	760.2
160°	767.8	768.1	768.2	768.4	768.5	768.6	769.6	770.5	771.5	772.4	772.5
162.5°	779.1	779.2	779.4	779.6	779.7	779.9	780.9	781.9	783.1	784.1	784.2
165°	794.7	794.6	794.6	794.6	794.6	794.6	795.6	796.7	797.8	798.9	799.1
167.5°	807.1	806.8	806.8	806.7	806.7	806.7	807.8	808.9	809.9	811.1	811.2
170°	814.4	814.1	813.9	813.7	813.6	813.4	814.5	815.6	816.7	817.7	817.8
172.5°	819.4	819.1	818.9	818.8	818.6	818.4	819.5	820.7	821.7	822.8	822.8
175°	825.6	825.2	824.8	824.5	824.3	823.9	825.0	826.0	827.2	828.3	828.3
177.5°	828.4	828.1	827.8	827.6	827.4	827.1	827.8	828.6	829.3	830.1	830.1
180°	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8



TEST NUMBER: P331532-830

CATALOG NUMBER: S122DIW-S675D710U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1200.8	1200.0	1200.0	1196.6	1200.0	1200.0	1200.8	1204.6	1205.8	1206.5	1205.0
5°	1113.9	1112.4	1110.0	1112.4	1110.0	1112.4	1113.9	1120.6	1124.0	1127.4	1130.2
7.5°	1027.9	1022.2	1021.3	1015.6	1021.3	1022.2	1027.9	1031.1	1037.8	1045.5	1052.3
10°	965.2	961.3	960.8	951.7	960.8	961.3	965.2	973.4	980.1	989.3	998.9
12.5°	917.5	908.2	910.0	904.7	910.0	908.2	917.5	917.6	925.5	931.1	946.1
15°	834.8	834.8	832.8	824.7	832.8	834.8	834.8	847.8	850.2	859.3	872.3
17.5°	775.4	774.5	769.9	772.1	769.9	774.5	775.4	784.9	786.6	798.8	809.5
20°	740.0	737.2	731.3	731.3	731.3	737.2	740.0	745.3	751.6	758.7	767.9
22.5°	706.5	706.3	700.2	702.1	700.2	706.3	706.5	711.4	717.3	725.3	732.9
25°	667.3	663.5	660.6	662.0	660.6	663.5	667.3	667.9	674.6	679.9	684.7
27.5°	630.2	628.1	627.9	624.0	627.9	628.1	630.2	631.5	635.3	638.4	642.9
30°	608.7	603.9	604.8	602.4	604.8	603.9	608.7	609.2	611.1	613.0	618.3
32.5°	584.0	582.3	581.4	579.3	581.4	582.3	584.0	584.8	588.7	590.7	594.8
35°	550.4	550.9	548.6	549.5	548.6	550.9	550.4	551.4	551.9	553.8	557.6
37.5°	521.1	522.6	521.5	521.8	521.5	522.6	521.1	521.6	522.1	522.4	523.5
40°	501.8	501.8	501.8	503.3	501.8	501.8	501.8	500.4	500.9	500.4	500.4
42.5°	483.3	482.6	481.8	481.7	481.8	482.6	483.3	480.0	481.6	480.0	479.2
45°	451.8	453.3	453.7	451.3	453.7	453.3	451.8	450.8	449.4	448.9	448.5
47.5°	423.2	423.4	423.2	425.4	423.2	423.4	423.2	422.0	419.7	418.9	416.6
50°	403.2	402.3	403.2	402.3	403.2	402.3	403.2	400.8	399.4	396.9	395.0
52.5°	382.0	382.2	381.6	381.4	381.6	382.2	382.0	378.9	378.1	377.3	374.3
55°	348.8	349.8	349.3	349.3	349.3	349.8	348.8	346.9	346.4	343.6	340.6
57.5°	314.5	315.4	316.0	313.9	316.0	315.4	314.5	314.1	313.9	310.9	307.7
60°	290.6	293.0	292.6	291.6	292.6	293.0	290.6	291.1	289.6	287.8	285.8
62.5°	268.7	269.6	269.5	269.3	269.5	269.6	268.7	266.5	265.8	263.8	261.9
65°	234.8	235.7	234.3	235.7	234.3	235.7	234.8	233.4	230.0	229.0	227.1
67.5°	198.3	198.6	199.7	200.4	199.7	198.6	198.3	198.9	196.7	194.8	194.4
70°	175.6	175.1	176.5	178.0	176.5	175.1	175.6	174.7	173.2	171.7	169.8
72.5°	151.7	152.8	152.3	153.4	152.3	152.8	151.7	151.9	150.5	148.6	146.8
75°	116.9	118.4	117.9	119.3	117.9	118.4	116.9	117.9	116.9	115.0	113.1
77.5°	84.5	84.6	84.5	85.3	84.5	84.6	84.5	85.3	84.2	84.8	82.7
80°	64.5	63.5	62.6	64.5	62.6	63.5	64.5	64.5	63.1	64.5	63.1
82.5°	44.9	45.4	44.5	44.5	44.5	45.4	44.9	46.0	45.3	46.0	44.6
85°	20.7	20.2	19.2	19.2	19.2	20.2	20.7	20.7	22.1	21.2	21.2
87.5°	8.5	8.2	8.2	7.8	8.2	8.2	8.5	8.5	8.5	9.3	9.4
90°	23.3	23.5	23.7	23.8	23.7	23.5	23.3	23.2	23.3	23.6	23.8
92.5°	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.5	22.4	22.3
95°	44.3	44.0	43.6	43.4	43.6	44.0	44.3	44.6	44.8	44.8	44.8
97.5°	75.2	75.2	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
100°	96.3	96.1	96.0	95.9	96.0	96.1	96.3	96.4	96.5	96.5	96.5
102.5°	119.8	119.6	119.5	119.3	119.5	119.6	119.8	120.0	120.0	119.8	119.7
105°	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.1	154.8	154.5
107.5°	191.2	190.6	189.8	189.2	189.8	190.6	191.2	192.0	192.3	192.2	192.0
110°	216.8	216.3	215.8	215.5	215.8	216.3	216.8	217.3	217.5	217.5	217.5



TEST NUMBER: P331532-830

CATALOG NUMBER: S122DIW-S675D710U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	241.7	241.3	240.9	240.6	240.9	241.3	241.7	242.0	242.3	242.7	243.1
115°	281.2	280.7	280.2	279.7	280.2	280.7	281.2	281.6	281.9	282.1	282.3
117.5°	318.5	318.0	317.5	317.1	317.5	318.0	318.5	319.0	319.4	319.8	320.2
120°	344.8	344.3	343.8	343.4	343.8	344.3	344.8	345.3	345.5	345.5	345.5
122.5°	370.1	369.9	369.5	369.2	369.5	369.9	370.1	370.5	370.9	371.3	371.6
125°	409.0	408.8	408.6	408.5	408.6	408.8	409.0	409.1	409.3	409.8	410.3
127.5°	445.7	445.3	444.8	444.3	444.8	445.3	445.7	446.3	446.8	447.3	447.9
130°	471.8	471.3	470.6	470.0	470.6	471.3	471.8	472.5	473.0	473.3	473.6
132.5°	496.2	495.6	495.1	494.6	495.1	495.6	496.2	496.6	497.2	497.9	498.6
135°	534.3	533.9	533.4	532.9	533.4	533.9	534.3	534.8	535.2	535.3	535.5
137.5°	569.5	568.9	568.3	567.6	568.3	568.9	569.5	570.1	570.5	570.6	570.7
140°	593.6	593.0	592.3	591.7	592.3	593.0	593.6	594.2	594.5	594.5	594.5
142.5°	615.4	614.7	614.2	613.5	614.2	614.7	615.4	616.0	616.2	616.1	616.0
145°	648.1	647.5	646.9	646.3	646.9	647.5	648.1	648.8	648.9	648.8	648.7
147.5°	677.3	676.7	676.1	675.5	676.1	676.7	677.3	677.9	678.0	677.6	677.3
150°	695.9	695.4	695.0	694.6	695.0	695.4	695.9	696.4	696.4	695.9	695.4
152.5°	714.2	713.6	713.0	712.5	713.0	713.6	714.2	714.8	714.8	714.2	713.6
155°	737.9	737.4	737.0	736.5	737.0	737.4	737.9	738.4	738.2	737.4	736.6
157.5°	759.4	758.7	757.9	757.1	757.9	758.7	759.4	760.2	760.0	758.9	757.9
160°	771.9	771.3	770.7	770.1	770.7	771.3	771.9	772.5	772.4	771.5	770.5
162.5°	783.4	782.8	782.0	781.3	782.0	782.8	783.4	784.2	784.1	783.1	781.9
165°	798.2	797.5	796.7	796.0	796.7	797.5	798.2	799.1	798.9	797.8	796.7
167.5°	810.4	809.5	808.8	807.9	808.8	809.5	810.4	811.2	811.1	809.9	808.9
170°	816.9	816.0	815.0	814.1	815.0	816.0	816.9	817.8	817.7	816.7	815.6
172.5°	822.0	821.0	820.1	819.2	820.1	821.0	822.0	822.8	822.8	821.7	820.7
175°	827.4	826.5	825.6	824.6	825.6	826.5	827.4	828.3	828.3	827.2	826.0
177.5°	829.3	828.6	827.8	827.1	827.8	828.6	829.3	830.1	830.1	829.3	828.6
180°	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8



TEST NUMBER: P331532-830

CATALOG NUMBER: S122DIW-S675D710U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1203.1	1207.3	1213.8	1220.8	1225.0	1233.1	1235.4	1239.3	1242.7	1250.8	1259.2
5°	1133.6	1140.3	1156.2	1164.9	1176.9	1190.8	1200.0	1209.7	1220.2	1238.5	1255.3
7.5°	1059.1	1070.4	1090.1	1106.3	1123.4	1143.4	1157.8	1176.9	1192.7	1218.4	1243.1
10°	1009.5	1025.3	1043.1	1062.3	1086.5	1107.6	1127.8	1151.9	1171.1	1201.9	1230.8
12.5°	964.8	967.2	992.7	1013.9	1046.8	1073.0	1096.3	1127.3	1146.1	1182.7	1213.1
15°	886.7	901.2	924.3	941.1	980.1	1013.3	1046.0	1078.3	1099.9	1145.1	1185.1
17.5°	821.0	834.3	858.0	885.6	913.6	946.6	988.9	1022.9	1052.3	1104.1	1151.3
20°	779.5	795.8	819.9	848.3	872.8	908.9	945.5	984.4	1016.2	1074.4	1129.7
22.5°	744.0	757.0	776.4	804.4	831.2	864.2	904.3	946.7	980.1	1042.8	1098.9
25°	694.3	704.9	717.4	740.5	770.8	806.9	838.2	884.9	933.4	992.1	1060.0
27.5°	649.4	657.0	668.1	688.3	711.8	745.6	780.3	824.6	873.5	937.2	1008.8
30°	622.2	627.0	638.0	654.9	678.0	704.4	739.5	781.8	831.9	896.4	967.6
32.5°	598.2	602.7	609.9	625.9	646.0	668.6	700.3	742.6	790.3	853.7	932.6
35°	562.5	565.8	572.1	585.0	596.2	618.3	644.7	683.2	728.0	788.6	870.4
37.5°	526.8	531.4	535.3	540.7	555.0	569.5	592.5	625.0	668.9	730.1	808.0
40°	503.3	507.1	512.9	515.3	526.9	539.9	558.6	588.4	632.7	688.5	764.6
42.5°	479.4	483.2	486.7	489.6	499.5	511.0	527.8	553.5	592.7	647.0	722.2
45°	447.0	447.4	450.8	456.1	460.9	469.1	481.2	503.3	533.6	584.6	652.9
47.5°	414.1	414.6	415.2	417.5	422.8	430.3	438.2	456.2	483.3	524.1	590.6
50°	392.1	391.2	392.1	394.1	397.5	403.7	412.8	425.8	448.0	486.0	547.1
52.5°	371.0	370.8	370.2	371.0	373.5	377.9	384.4	395.4	415.2	450.2	504.0
55°	338.7	336.3	336.8	334.9	339.2	340.2	345.0	354.1	371.5	395.5	446.0
57.5°	304.3	302.4	300.2	299.6	299.3	301.9	305.8	312.9	326.2	347.3	388.3
60°	282.5	280.0	277.1	276.2	276.2	277.6	279.6	284.8	297.4	316.1	349.8
62.5°	260.1	257.3	255.6	253.1	252.3	253.7	255.7	259.5	268.4	286.1	315.2
65°	225.6	222.3	219.9	219.4	218.5	217.0	217.9	221.8	229.0	243.0	266.1
67.5°	191.1	187.9	187.4	184.5	183.2	183.4	183.2	186.5	190.9	202.8	220.1
70°	168.4	166.0	165.0	162.6	161.6	160.7	159.8	162.6	166.9	177.1	192.0
72.5°	145.3	143.3	141.2	139.1	139.3	138.4	138.2	139.9	143.5	152.8	164.3
75°	112.1	112.6	110.2	107.7	107.3	106.3	106.3	107.7	109.2	116.4	125.5
77.5°	81.3	81.0	78.9	78.1	77.7	76.6	77.7	78.6	79.4	84.2	91.0
80°	62.1	62.1	59.7	59.7	59.2	57.8	59.2	58.2	60.1	64.9	69.7
82.5°	44.4	43.5	43.5	42.7	42.6	41.6	42.2	43.2	44.0	47.2	50.1
85°	21.7	21.7	21.2	20.7	21.2	20.7	21.2	21.7	22.1	23.6	26.0
87.5°	9.4	9.9	9.6	9.3	8.6	8.3	8.2	8.2	8.6	8.6	8.6
90°	24.1	24.5	21.0	17.6	14.2	10.8	8.2	6.3	4.4	2.5	0.7
92.5°	22.3	22.2	21.4	20.6	19.8	19.0	17.9	16.6	15.2	13.9	12.4
95°	44.8	44.8	44.5	44.1	43.8	43.5	42.6	41.0	39.5	37.9	36.4
97.5°	75.2	75.2	74.6	74.1	73.5	72.9	71.9	70.5	69.2	67.8	66.4
100°	96.5	96.5	96.0	95.6	95.1	94.6	93.8	92.6	91.3	90.1	88.8
102.5°	119.6	119.4	118.9	118.3	117.7	117.1	116.3	115.3	114.3	113.3	112.4
105°	154.2	153.9	153.5	153.3	153.0	152.6	152.2	151.7	151.3	150.8	150.3
107.5°	191.9	191.8	191.8	191.8	191.8	191.8	191.4	190.8	190.1	189.4	188.7
110°	217.5	217.5	217.5	217.5	217.5	217.5	217.1	216.1	215.2	214.2	213.3



TEST NUMBER: P331532-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	243.5	243.8	243.9	244.0	244.2	244.3	243.9	243.0	242.0	241.1	240.2
115°	282.4	282.6	282.9	283.1	283.5	283.8	283.5	282.6	281.6	280.7	279.7
117.5°	320.6	320.9	321.8	322.6	323.5	324.3	324.1	322.9	321.7	320.5	319.2
120°	345.5	345.5	346.8	348.0	349.2	350.4	350.4	349.2	348.0	346.8	345.5
122.5°	372.0	372.4	373.2	374.1	374.9	375.9	375.5	374.0	372.6	371.1	369.6
125°	410.8	411.2	411.7	412.2	412.6	413.1	412.6	411.2	409.8	408.5	407.1
127.5°	448.5	449.0	449.6	450.2	450.7	451.3	450.6	448.8	447.1	445.4	443.6
130°	473.9	474.2	474.5	474.9	475.1	475.4	474.6	472.6	470.5	468.5	466.5
132.5°	499.3	499.9	499.9	499.8	499.7	499.7	498.8	497.2	495.6	493.9	492.3
135°	535.6	535.7	535.5	535.2	534.8	534.5	533.5	531.8	530.1	528.4	526.7
137.5°	570.9	571.0	570.6	570.2	569.8	569.4	568.4	567.1	565.7	564.3	562.9
140°	594.5	594.5	593.7	593.0	592.2	591.4	590.3	588.9	587.5	586.1	584.8
142.5°	615.9	615.8	615.2	614.7	614.2	613.7	612.7	611.3	609.9	608.5	607.1
145°	648.5	648.4	647.4	646.5	645.5	644.6	643.7	642.5	641.4	640.4	639.2
147.5°	676.9	676.7	676.0	675.3	674.8	674.1	673.2	671.8	670.5	669.2	668.0
150°	695.0	694.6	693.9	693.2	692.7	692.0	691.3	690.3	689.4	688.4	687.5
152.5°	713.0	712.5	711.7	711.0	710.2	709.5	708.6	707.7	706.7	705.8	704.8
155°	735.8	735.1	734.6	734.1	733.7	733.2	732.7	732.3	731.8	731.3	730.8
157.5°	756.9	755.8	755.5	755.3	755.0	754.7	754.4	754.0	753.8	753.5	753.1
160°	769.6	768.6	768.5	768.4	768.2	768.1	767.8	767.5	767.1	766.9	766.6
162.5°	780.9	779.9	779.7	779.6	779.4	779.2	779.1	779.0	779.0	778.9	778.8
165°	795.6	794.6	794.6	794.6	794.6	794.6	794.7	794.8	794.9	795.0	795.2
167.5°	807.8	806.7	806.7	806.7	806.8	806.8	807.1	807.6	808.0	808.5	809.0
170°	814.5	813.4	813.6	813.7	813.9	814.1	814.4	814.8	815.3	815.8	816.2
172.5°	819.5	818.4	818.6	818.8	818.9	819.1	819.4	819.8	820.3	820.8	821.2
175°	825.0	823.9	824.3	824.5	824.8	825.2	825.6	826.0	826.5	827.0	827.4
177.5°	827.8	827.1	827.4	827.6	827.8	828.1	828.4	828.8	829.2	829.5	829.9
180°	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8



TEST NUMBER: P331532-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1258.5	1260.5	1266.6	1272.7	1279.7	1281.6	1284.7	1282.0	1281.2	1288.5	1293.9
5°	1262.1	1270.7	1287.6	1303.0	1316.0	1325.1	1334.7	1338.6	1345.8	1355.8	1368.4
7.5°	1258.0	1274.9	1301.4	1323.7	1348.2	1365.8	1379.6	1391.3	1405.5	1424.7	1445.6
10°	1253.4	1276.0	1308.2	1335.7	1365.5	1388.1	1406.9	1425.1	1446.3	1472.8	1500.2
12.5°	1244.9	1271.8	1312.1	1344.5	1382.8	1405.0	1430.4	1469.8	1492.5	1529.4	1568.0
15°	1227.9	1257.7	1314.0	1354.0	1397.2	1439.6	1486.3	1523.8	1561.3	1583.0	1637.4
17.5°	1202.6	1246.4	1308.7	1355.3	1410.3	1477.1	1529.5	1572.0	1615.3	1650.5	1677.7
20°	1182.2	1229.8	1301.0	1356.9	1422.3	1493.9	1554.2	1597.4	1634.9	1664.3	1681.1
22.5°	1156.4	1216.4	1285.6	1351.0	1434.6	1505.5	1568.8	1602.8	1634.2	1648.5	1655.0
25°	1115.8	1188.0	1266.4	1346.2	1440.6	1515.6	1573.4	1594.0	1603.2	1589.2	1566.1
27.5°	1072.0	1152.4	1244.2	1337.2	1436.9	1509.1	1550.5	1547.2	1531.7	1486.6	1450.5
30°	1039.2	1127.8	1226.4	1327.9	1428.0	1498.3	1522.4	1498.3	1463.2	1412.7	1361.2
32.5°	1005.0	1096.6	1207.6	1314.8	1411.9	1473.7	1478.8	1437.5	1383.1	1325.7	1261.5
35°	953.2	1052.3	1172.1	1285.6	1377.5	1416.5	1393.5	1320.3	1255.8	1177.4	1089.8
37.5°	894.6	1004.0	1124.2	1242.8	1326.1	1336.2	1278.9	1201.9	1111.0	1018.8	915.8
40°	850.6	966.7	1090.3	1210.1	1283.7	1273.1	1200.0	1115.3	1007.0	894.5	798.7
42.5°	811.4	927.4	1053.3	1170.8	1229.8	1200.8	1115.3	1011.3	895.0	789.0	701.3
45°	743.4	862.7	991.6	1105.2	1138.9	1086.5	973.4	857.9	743.4	654.9	585.6
47.5°	677.4	795.3	923.0	1022.8	1034.7	964.2	840.7	721.8	623.4	551.3	502.4
50°	628.9	747.2	873.7	962.8	958.9	873.7	746.8	633.7	551.4	493.1	460.4
52.5°	585.4	697.2	818.7	899.7	879.3	786.4	665.2	564.8	497.1	451.6	422.0
55°	517.7	621.1	736.6	801.6	764.0	661.1	558.6	477.8	427.7	393.6	370.5
57.5°	450.5	547.5	646.4	686.5	645.0	549.9	464.4	405.8	368.2	342.9	327.8
60°	409.0	493.7	581.7	616.3	566.8	482.1	414.7	362.3	332.0	311.3	297.8
62.5°	367.4	443.3	526.3	545.2	499.8	428.2	368.5	325.0	300.0	281.6	269.0
65°	310.9	372.9	435.9	448.5	406.6	351.3	304.1	275.7	253.5	240.1	230.0
67.5°	255.0	304.7	349.4	359.5	322.8	284.5	250.4	225.6	210.7	199.4	191.0
70°	221.8	261.3	297.8	306.0	276.6	242.5	216.5	196.8	183.3	173.7	165.5
72.5°	186.8	219.7	250.1	255.6	231.6	205.6	184.2	168.7	156.7	150.6	142.8
75°	142.9	162.1	185.7	187.2	171.3	155.4	139.0	128.9	122.7	115.0	111.1
77.5°	100.9	115.9	129.4	132.1	122.6	111.8	102.6	94.7	89.4	85.9	82.3
80°	77.0	89.0	94.8	98.1	91.4	83.7	78.4	73.1	69.7	67.4	64.9
82.5°	55.0	62.5	67.9	70.4	66.8	62.2	56.8	53.9	51.3	49.3	48.4
85°	27.9	31.3	34.7	35.6	34.7	32.7	29.8	29.8	28.4	27.9	27.9
87.5°	10.2	12.1	12.4	13.9	13.7	14.4	15.1	15.4	15.6	15.3	14.8
90°	2.5	4.4	6.3	8.2	10.8	14.2	17.6	21.0	24.5	24.1	23.8
92.5°	13.9	15.2	16.6	17.9	19.0	19.8	20.6	21.4	22.2	22.3	22.3
95°	37.9	39.5	41.0	42.6	43.5	43.8	44.1	44.5	44.8	44.8	44.8
97.5°	67.8	69.2	70.5	71.9	72.9	73.5	74.1	74.6	75.2	75.2	75.2
100°	90.1	91.3	92.6	93.8	94.6	95.1	95.6	96.0	96.5	96.5	96.5
102.5°	113.3	114.3	115.3	116.3	117.1	117.7	118.3	118.9	119.4	119.6	119.7
105°	150.8	151.3	151.7	152.2	152.6	153.0	153.3	153.5	153.9	154.2	154.5
107.5°	189.4	190.1	190.8	191.4	191.8	191.8	191.8	191.8	191.8	191.9	192.0
110°	214.2	215.2	216.1	217.1	217.5	217.5	217.5	217.5	217.5	217.5	217.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	241.1	242.0	243.0	243.9	244.3	244.2	244.0	243.9	243.8	243.5	243.1
115°	280.7	281.6	282.6	283.5	283.8	283.5	283.1	282.9	282.6	282.4	282.3
117.5°	320.5	321.7	322.9	324.1	324.3	323.5	322.6	321.8	320.9	320.6	320.2
120°	346.8	348.0	349.2	350.4	350.4	349.2	348.0	346.8	345.5	345.5	345.5
122.5°	371.1	372.6	374.0	375.5	375.9	374.9	374.1	373.2	372.4	372.0	371.6
125°	408.5	409.8	411.2	412.6	413.1	412.6	412.2	411.7	411.2	410.8	410.3
127.5°	445.4	447.1	448.8	450.6	451.3	450.7	450.2	449.6	449.0	448.5	447.9
130°	468.5	470.5	472.6	474.6	475.4	475.1	474.9	474.5	474.2	473.9	473.6
132.5°	493.9	495.6	497.2	498.8	499.7	499.7	499.8	499.9	499.9	499.3	498.6
135°	528.4	530.1	531.8	533.5	534.5	534.8	535.2	535.5	535.7	535.6	535.5
137.5°	564.3	565.7	567.1	568.4	569.4	569.8	570.2	570.6	571.0	570.9	570.7
140°	586.1	587.5	588.9	590.3	591.4	592.2	593.0	593.7	594.5	594.5	594.5
142.5°	608.5	609.9	611.3	612.7	613.7	614.2	614.7	615.2	615.8	615.9	616.0
145°	640.4	641.4	642.5	643.7	644.6	645.5	646.5	647.4	648.4	648.5	648.7
147.5°	669.2	670.5	671.8	673.2	674.1	674.8	675.3	676.0	676.7	676.9	677.3
150°	688.4	689.4	690.3	691.3	692.0	692.7	693.2	693.9	694.6	695.0	695.4
152.5°	705.8	706.7	707.7	708.6	709.5	710.2	711.0	711.7	712.5	713.0	713.6
155°	731.3	731.8	732.3	732.7	733.2	733.7	734.1	734.6	735.1	735.8	736.6
157.5°	753.5	753.8	754.0	754.4	754.7	755.0	755.3	755.5	755.8	756.9	757.9
160°	766.9	767.1	767.5	767.8	768.1	768.2	768.4	768.5	768.6	769.6	770.5
162.5°	778.9	779.0	779.0	779.1	779.2	779.4	779.6	779.7	779.9	780.9	781.9
165°	795.0	794.9	794.8	794.7	794.6	794.6	794.6	794.6	794.6	795.6	796.7
167.5°	808.5	808.0	807.6	807.1	806.8	806.8	806.7	806.7	806.7	807.8	808.9
170°	815.8	815.3	814.8	814.4	814.1	813.9	813.7	813.6	813.4	814.5	815.6
172.5°	820.8	820.3	819.8	819.4	819.1	818.9	818.8	818.6	818.4	819.5	820.7
175°	827.0	826.5	826.0	825.6	825.2	824.8	824.5	824.3	823.9	825.0	826.0
177.5°	829.5	829.2	828.8	828.4	828.1	827.8	827.6	827.4	827.1	827.8	828.6
180°	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1298.5	1303.9	1303.9	1304.7	1310.9	1310.0	1309.7
5°	1381.9	1390.1	1391.0	1399.7	1405.4	1403.5	1398.3
7.5°	1460.5	1475.7	1487.2	1493.6	1501.3	1506.0	1503.9
10°	1522.9	1545.0	1558.5	1567.6	1578.7	1586.9	1583.9
12.5°	1579.4	1605.8	1624.3	1639.9	1641.4	1651.9	1644.7
15°	1667.6	1695.5	1698.5	1710.1	1719.2	1718.2	1718.6
17.5°	1696.9	1705.8	1707.6	1707.9	1708.0	1704.6	1697.3
20°	1686.4	1683.1	1674.9	1668.7	1657.6	1656.1	1646.5
22.5°	1637.2	1626.5	1606.0	1592.4	1575.2	1570.7	1568.0
25°	1540.2	1516.6	1483.8	1452.6	1444.0	1427.1	1431.9
27.5°	1407.1	1370.4	1334.9	1309.5	1286.5	1261.3	1268.5
30°	1313.5	1272.1	1222.1	1183.6	1159.1	1135.0	1130.7
32.5°	1201.9	1141.3	1085.4	1051.6	1014.0	998.8	982.1
35°	1009.5	950.3	894.9	847.3	819.9	798.7	779.5
37.5°	836.3	768.2	723.6	684.9	665.2	653.0	656.1
40°	729.0	669.3	636.6	607.2	588.9	580.2	582.2
42.5°	642.0	597.3	570.3	550.3	537.3	532.5	531.4
45°	543.2	518.2	496.1	484.6	478.2	473.0	469.6
47.5°	475.9	455.4	443.0	436.1	430.6	425.3	425.2
50°	435.5	422.0	413.3	406.0	401.8	397.9	401.2
52.5°	404.6	392.3	383.7	377.2	375.6	372.1	372.0
55°	358.9	349.3	343.1	337.2	334.4	332.4	330.1
57.5°	317.4	308.2	302.5	298.8	293.3	291.3	290.6
60°	287.8	280.5	274.8	269.9	267.5	263.6	263.6
62.5°	260.4	253.2	247.8	244.1	240.2	238.7	239.0
65°	220.8	215.1	209.8	205.9	205.0	202.1	203.0
67.5°	184.5	180.6	175.0	173.0	171.1	169.6	168.4
70°	160.2	156.4	153.4	150.6	149.1	149.1	149.1
72.5°	139.8	135.2	133.5	129.8	130.6	129.1	127.6
75°	108.3	105.4	104.0	102.5	100.1	100.1	100.1
77.5°	79.6	78.8	77.1	75.5	74.9	74.5	74.6
80°	61.5	61.1	60.1	60.1	59.2	58.7	57.8
82.5°	47.3	46.1	45.5	45.1	45.0	44.9	44.7
85°	27.0	26.0	26.0	26.5	25.5	25.5	26.0
87.5°	15.1	15.1	14.6	14.7	15.1	14.7	14.8
90°	23.6	23.3	23.2	23.3	23.5	23.7	23.8
92.5°	22.4	22.5	22.5	22.5	22.6	22.6	22.6
95°	44.8	44.8	44.6	44.3	44.0	43.6	43.4
97.5°	75.2	75.2	75.2	75.2	75.2	75.1	75.1
100°	96.5	96.5	96.4	96.3	96.1	96.0	95.9
102.5°	119.8	120.0	120.0	119.8	119.6	119.5	119.3
105°	154.8	155.1	155.2	155.2	155.2	155.2	155.2
107.5°	192.2	192.3	192.0	191.2	190.6	189.8	189.2
110°	217.5	217.5	217.3	216.8	216.3	215.8	215.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	242.7	242.3	242.0	241.7	241.3	240.9	240.6
115°	282.1	281.9	281.6	281.2	280.7	280.2	279.7
117.5°	319.8	319.4	319.0	318.5	318.0	317.5	317.1
120°	345.5	345.5	345.3	344.8	344.3	343.8	343.4
122.5°	371.3	370.9	370.5	370.1	369.9	369.5	369.2
125°	409.8	409.3	409.1	409.0	408.8	408.6	408.5
127.5°	447.3	446.8	446.3	445.7	445.3	444.8	444.3
130°	473.3	473.0	472.5	471.8	471.3	470.6	470.0
132.5°	497.9	497.2	496.6	496.2	495.6	495.1	494.6
135°	535.3	535.2	534.8	534.3	533.9	533.4	532.9
137.5°	570.6	570.5	570.1	569.5	568.9	568.3	567.6
140°	594.5	594.5	594.2	593.6	593.0	592.3	591.7
142.5°	616.1	616.2	616.0	615.4	614.7	614.2	613.5
145°	648.8	648.9	648.8	648.1	647.5	646.9	646.3
147.5°	677.6	678.0	677.9	677.3	676.7	676.1	675.5
150°	695.9	696.4	696.4	695.9	695.4	695.0	694.6
152.5°	714.2	714.8	714.8	714.2	713.6	713.0	712.5
155°	737.4	738.2	738.4	737.9	737.4	737.0	736.5
157.5°	758.9	760.0	760.2	759.4	758.7	757.9	757.1
160°	771.5	772.4	772.5	771.9	771.3	770.7	770.1
162.5°	783.1	784.1	784.2	783.4	782.8	782.0	781.3
165°	797.8	798.9	799.1	798.2	797.5	796.7	796.0
167.5°	809.9	811.1	811.2	810.4	809.5	808.8	807.9
170°	816.7	817.7	817.8	816.9	816.0	815.0	814.1
172.5°	821.7	822.8	822.8	822.0	821.0	820.1	819.2
175°	827.2	828.3	828.3	827.4	826.5	825.6	824.6
177.5°	829.3	830.1	830.1	829.3	828.6	827.8	827.1
180°	828.8	828.8	828.8	828.8	828.8	828.8	828.8

(END OF REPORT)