

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: P333407-935

Luminaire Tested: **S125DIW-S850D770U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333407-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S850D770U935-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5265.9 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

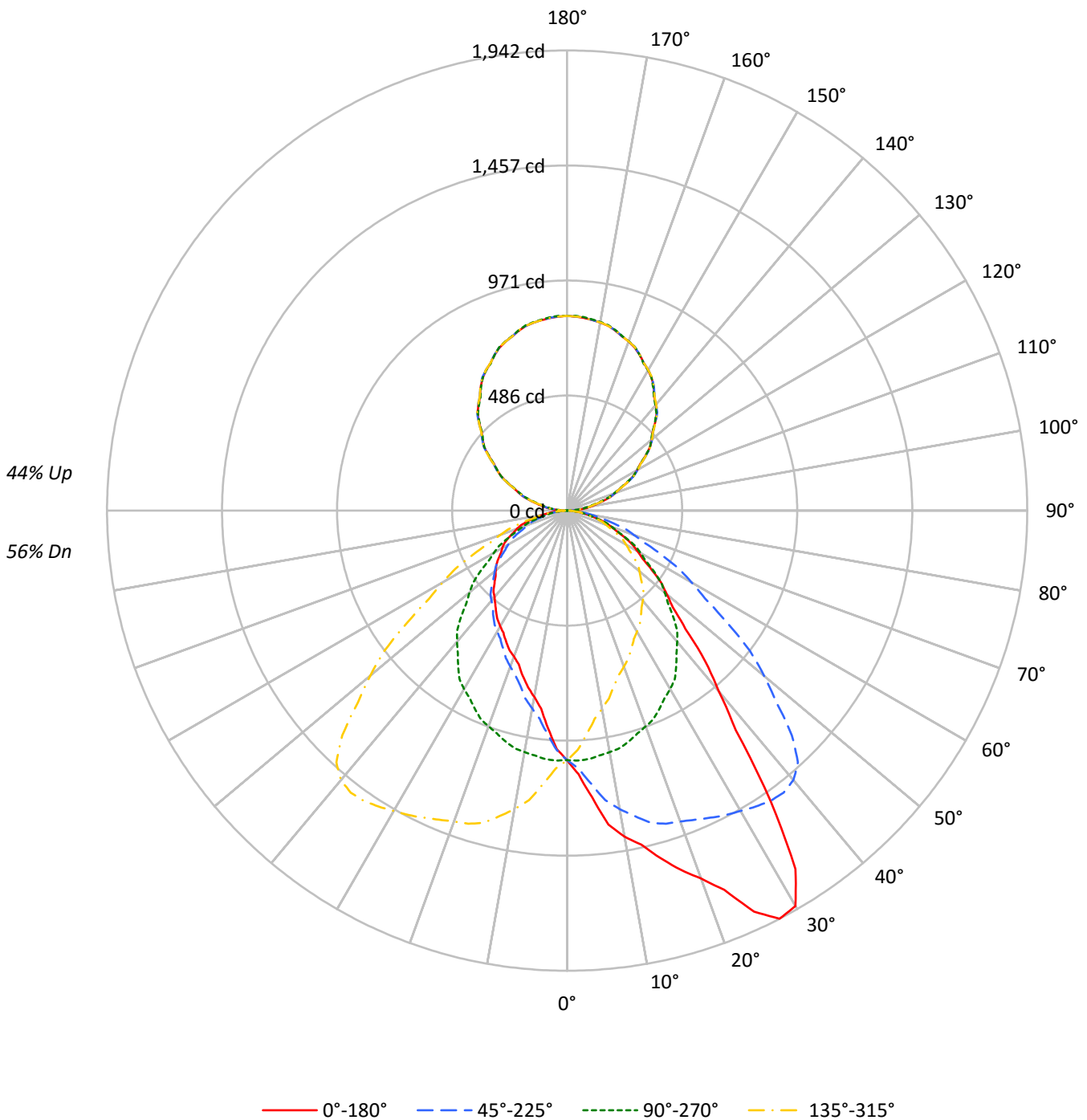
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	100	95	91	88	92	89	85	82	77	74	72	66	64	62	55	54	53	48
2	91	83	77	72	84	78	73	68	67	63	60	58	55	52	49	47	45	41
3	83	74	66	60	77	69	62	57	60	55	51	51	48	44	44	41	38	35
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30
5	70	58	50	44	65	55	47	42	48	42	38	41	37	33	35	32	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	33	29	32	28	26	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20
8	55	43	35	30	51	40	33	28	36	30	26	31	26	23	27	23	20	18
9	51	39	32	27	48	37	30	25	33	27	23	29	24	21	25	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6803	6803	6803	6803
5°	7878	6825	5977	6825
10°	9165	6790	5237	6790
15°	10146	6740	4831	6740
20°	11357	6661	4504	6661
25°	13304	6572	4345	6572
30°	14370	6485	4207	6485
35°	11815	6320	4117	6320
40°	8398	6091	4018	6091
45°	6452	5782	3961	5782
50°	5507	5399	3953	5399
55°	4904	5024	3987	5024
60°	4423	4614	4088	4614
65°	4085	4201	4195	4201
70°	3714	3773	4254	3773
75°	3281	3324	4217	3324
80°	2760	2708	3861	2708
85°	2186	1949	3112	1949



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.4	1.9
10°-20°	301.9	5.7
20°-30°	490.2	9.3
30°-40°	598.0	11.4
40°-50°	544.0	10.3
50°-60°	433.3	8.2
60°-70°	301.8	5.7
70°-80°	160.9	3.1
80°-90°	42.4	0.8
90°-100°	55.0	1.0
100°-110°	162.4	3.1
110°-120°	275.1	5.2
120°-130°	362.1	6.9
130°-140°	405.7	7.7
140°-150°	397.7	7.6
150°-160°	334.0	6.3
160°-170°	222.0	4.2
170°-180°	77.7	1.5
0°-30°	893.6	17.0
0°-40°	1491.6	28.3
0°-60°	2468.9	46.9
0°-90°	2974.1	56.5
90°-120°	492.6	9.4
90°-150°	1658.1	31.5
90°-180°	2292.0	43.5
0°-180°	5265.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1053	1053	1053	1053	1053	
5°	1215	1053	922	1053	1215	122
15°	1517	1008	722	1008	1517	434
25°	1867	922	610	922	1867	853
35°	1499	802	522	802	1499	917
45°	706	633	434	633	706	565
55°	436	446	354	446	436	392
65°	267	275	274	275	267	265
75°	132	133	169	133	132	142
85°	30	26	42	26	30	34
90°	15	1	15	1	15	10
95°	55	42	55	42	55	56
105°	158	146	158	146	158	168
115°	278	276	278	276	278	275
125°	405	402	405	402	405	361
135°	525	523	525	523	525	405
145°	636	633	636	633	636	397
155°	725	725	725	725	725	334
165°	786	788	786	788	786	222
175°	816	819	816	819	816	78
180°	821	821	821	821	821	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1114.1	1112.7	1111.3	1108.4	1110.5	1104.5	1101.6	1096.6	1090.5	1088.4	1085.9
5°	1215.1	1217.4	1219.6	1210.2	1211.2	1204.9	1190.6	1179.0	1169.6	1157.5	1149.0
7.5°	1336.8	1331.5	1331.0	1325.0	1314.5	1306.1	1291.1	1272.0	1253.4	1232.3	1214.9
10°	1397.6	1398.0	1394.0	1386.8	1375.7	1367.6	1348.0	1329.1	1306.4	1279.5	1260.3
12.5°	1443.4	1445.2	1440.1	1430.5	1425.0	1407.0	1391.5	1369.2	1342.1	1320.7	1291.4
15°	1517.4	1512.4	1508.9	1496.8	1487.5	1468.7	1444.1	1420.8	1391.3	1364.0	1336.8
17.5°	1588.7	1592.7	1586.0	1574.9	1545.8	1523.9	1490.9	1459.1	1422.4	1385.8	1353.2
20°	1652.4	1656.0	1645.7	1626.5	1591.6	1569.7	1526.3	1485.2	1442.7	1395.8	1360.0
22.5°	1731.8	1729.0	1715.1	1685.8	1655.6	1615.1	1568.1	1518.1	1464.9	1411.9	1364.3
25°	1867.0	1848.2	1839.7	1803.5	1763.8	1704.3	1639.9	1566.6	1500.4	1430.2	1369.4
27.5°	1941.9	1936.0	1926.6	1901.3	1859.5	1796.0	1720.0	1630.6	1537.3	1448.7	1369.2
30°	1926.9	1927.8	1928.7	1920.6	1893.9	1846.0	1770.5	1674.3	1563.4	1463.7	1371.7
32.5°	1793.9	1810.2	1825.7	1844.1	1851.6	1842.5	1795.1	1708.3	1594.2	1480.9	1370.2
35°	1498.6	1503.6	1554.0	1604.1	1672.1	1724.8	1760.1	1721.7	1625.6	1495.5	1368.5
37.5°	1168.5	1192.7	1227.6	1284.2	1382.2	1470.1	1583.0	1635.0	1604.0	1500.2	1365.4
40°	996.1	1018.5	1041.2	1098.9	1181.6	1288.1	1416.3	1525.9	1551.3	1485.2	1354.6
42.5°	863.1	880.7	906.0	949.4	1018.6	1112.8	1235.4	1378.5	1466.6	1441.6	1332.1
45°	706.4	717.6	737.3	771.6	821.7	895.5	1003.7	1160.2	1296.5	1341.7	1278.7
47.5°	604.6	604.5	619.8	643.6	679.8	742.4	822.4	945.0	1090.7	1198.4	1193.4
50°	548.1	545.9	557.9	578.5	607.1	648.7	725.1	823.0	963.0	1085.0	1119.0
52.5°	499.5	499.7	507.1	522.4	546.3	581.9	638.9	727.2	846.8	972.1	1036.0
55°	435.5	433.7	442.1	452.5	469.8	493.1	534.3	601.8	698.8	822.2	905.3
57.5°	376.8	381.7	385.1	392.3	406.7	422.3	457.0	506.5	583.5	689.4	777.3
60°	342.4	347.4	350.1	357.2	368.9	382.3	409.1	449.4	514.1	605.4	692.5
62.5°	311.7	315.6	316.4	322.9	332.3	345.4	366.5	400.3	451.5	531.3	616.7
65°	267.3	267.3	269.1	275.9	280.3	292.0	308.1	332.6	373.8	435.9	508.8
67.5°	224.6	226.8	226.3	229.3	233.4	242.4	253.9	274.2	304.7	350.1	408.4
70°	196.7	198.5	198.0	200.3	204.7	210.6	220.0	239.2	261.1	300.0	350.1
72.5°	171.7	172.4	171.3	174.2	176.8	181.9	192.4	202.7	223.2	256.0	297.1
75°	131.5	132.3	133.2	135.0	137.7	140.3	145.8	156.0	169.4	194.1	220.4
77.5°	98.5	96.9	99.0	98.8	100.2	102.3	107.0	112.4	123.5	139.1	159.5
80°	74.2	74.6	74.6	75.1	77.3	78.7	82.7	86.7	95.2	106.9	121.1
82.5°	54.2	55.4	54.7	55.4	57.3	58.3	60.5	63.8	68.8	77.9	88.3
85°	29.5	27.3	28.2	29.1	29.1	29.5	31.3	32.6	35.3	38.9	42.9
87.5°	11.6	12.3	12.6	12.5	12.7	12.7	13.9	13.8	14.7	15.7	16.9
90°	15.3	14.9	14.5	14.0	13.6	13.1	12.4	11.6	10.9	10.2	9.2
92.5°	30.1	29.9	29.5	29.3	28.9	28.3	27.4	26.4	25.5	24.5	23.3
95°	54.9	54.7	54.4	54.2	53.8	53.2	52.2	51.2	50.2	49.2	47.8
97.5°	83.3	83.2	83.0	82.8	82.7	82.1	81.2	80.2	79.3	78.4	76.4
100°	104.8	104.5	104.3	104.0	103.7	102.9	101.6	100.3	99.1	97.8	95.9
102.5°	126.3	125.9	125.5	125.1	124.7	123.8	122.4	121.1	119.7	118.2	117.3
105°	158.5	158.1	157.6	157.2	156.8	156.2	155.3	154.5	153.6	152.7	151.9
107.5°	191.5	191.5	191.6	191.6	191.6	191.4	191.0	190.5	190.1	189.7	189.1
110°	216.0	216.2	216.3	216.5	216.6	216.5	216.0	215.6	215.2	214.7	214.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	240.0	240.3	240.6	240.8	241.1	241.1	240.9	240.7	240.6	240.3	239.8
115°	278.0	278.2	278.4	278.4	278.6	278.7	278.9	279.1	279.1	279.3	279.1
117.5°	315.1	315.6	316.2	316.8	317.4	317.6	317.5	317.4	317.3	317.2	316.9
120°	340.7	341.2	341.8	342.4	342.9	343.2	343.2	343.2	343.2	343.2	343.1
122.5°	366.3	366.7	367.1	367.6	368.1	368.3	368.4	368.6	368.7	368.8	368.4
125°	404.6	404.8	404.8	405.0	405.2	405.4	405.6	406.0	406.2	406.5	406.4
127.5°	441.4	441.7	442.0	442.3	442.6	442.7	442.9	443.1	443.2	443.3	443.2
130°	466.0	466.2	466.5	466.8	467.1	467.3	467.4	467.6	467.7	467.9	467.6
132.5°	489.0	489.4	489.7	490.2	490.5	490.9	490.9	491.1	491.3	491.4	491.5
135°	524.8	525.3	525.9	526.4	527.0	527.3	527.3	527.3	527.3	527.3	527.2
137.5°	559.7	560.5	561.2	561.9	562.6	562.9	562.7	562.6	562.4	562.2	561.9
140°	582.3	583.0	583.7	584.4	585.1	585.3	585.0	584.8	584.4	584.2	583.8
142.5°	603.7	604.4	605.2	605.9	606.6	606.8	606.7	606.5	606.3	606.1	605.6
145°	635.9	636.4	636.8	637.2	637.7	637.9	637.9	637.9	637.9	637.9	637.5
147.5°	663.5	664.4	665.4	666.3	667.3	667.6	667.3	666.9	666.6	666.2	665.9
150°	683.9	684.2	684.5	684.8	685.0	685.2	685.2	685.2	685.2	685.2	684.6
152.5°	700.8	701.3	701.8	702.3	702.8	702.9	702.6	702.2	701.9	701.5	701.3
155°	724.8	725.5	726.3	726.9	727.6	727.7	727.1	726.6	726.0	725.5	725.3
157.5°	744.9	745.8	746.7	747.7	748.6	748.8	748.2	747.7	747.1	746.6	746.4
160°	758.7	759.4	760.1	760.8	761.6	761.6	761.0	760.4	759.9	759.3	759.1
162.5°	770.4	771.3	772.1	772.9	773.8	773.8	773.1	772.5	771.8	771.1	771.0
165°	786.2	787.0	787.9	788.8	789.5	789.7	789.2	788.6	788.0	787.5	787.3
167.5°	798.7	799.6	800.5	801.3	802.2	802.2	801.4	800.6	799.7	798.8	798.8
170°	805.4	806.3	807.4	808.3	809.3	809.4	808.6	807.7	806.8	806.0	806.0
172.5°	811.0	811.8	812.7	813.6	814.5	814.5	813.6	812.8	811.9	811.1	811.1
175°	816.2	817.2	818.2	819.2	820.2	820.3	819.4	818.6	817.7	816.8	816.8
177.5°	819.2	820.1	820.9	821.7	822.4	822.5	821.8	821.1	820.4	819.8	819.9
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1083.7	1081.2	1078.3	1073.3	1067.3	1064.0	1059.0	1055.8	1049.4	1044.0	1038.3
5°	1138.7	1127.0	1116.4	1102.5	1087.3	1077.5	1065.8	1052.8	1039.5	1025.6	1010.4
7.5°	1195.7	1175.1	1152.7	1128.7	1105.2	1083.6	1062.9	1042.6	1023.6	1000.7	981.4
10°	1233.9	1208.0	1180.3	1147.6	1115.9	1088.2	1060.1	1035.4	1010.4	983.6	959.8
12.5°	1272.2	1237.7	1198.5	1162.7	1124.5	1091.1	1057.9	1026.5	995.1	965.4	937.7
15°	1299.2	1268.8	1232.6	1181.6	1138.7	1092.7	1048.9	1008.1	970.2	937.1	902.2
17.5°	1317.0	1277.8	1239.0	1190.1	1133.8	1082.3	1032.7	986.1	943.2	901.3	867.7
20°	1320.3	1280.0	1239.3	1191.5	1133.8	1074.8	1025.2	969.2	923.3	879.9	838.7
22.5°	1319.1	1273.6	1229.2	1180.0	1123.8	1069.4	1009.4	952.4	902.5	859.8	816.9
25°	1309.1	1260.3	1204.9	1155.3	1099.8	1042.2	981.4	922.3	871.3	822.6	780.2
27.5°	1300.6	1237.4	1174.7	1116.8	1063.2	1010.4	952.2	891.7	835.3	785.8	745.8
30°	1290.3	1221.0	1150.3	1089.9	1035.0	983.6	928.6	869.6	810.5	762.2	719.4
32.5°	1281.0	1200.2	1125.7	1060.0	1001.7	951.7	901.0	844.9	787.0	738.0	695.0
35°	1263.0	1169.6	1084.2	1010.0	947.8	896.4	853.9	801.6	748.4	701.0	659.9
37.5°	1240.2	1129.3	1037.7	959.8	891.7	837.6	798.1	757.9	706.8	661.2	624.0
40°	1222.3	1100.7	1003.7	924.1	853.5	797.1	760.5	722.5	680.0	637.6	598.2
42.5°	1199.8	1075.0	969.4	883.7	813.7	758.9	720.4	688.1	650.7	611.1	574.5
45°	1158.4	1028.3	913.9	821.7	751.1	697.0	657.2	633.1	604.9	567.3	536.5
47.5°	1097.5	972.2	853.9	758.8	685.9	635.8	598.5	575.3	555.4	527.5	499.6
50°	1043.4	930.4	810.5	716.2	643.3	592.8	558.4	537.4	520.4	498.9	475.3
52.5°	983.0	877.8	768.0	674.8	602.6	552.8	519.1	500.6	486.5	471.1	447.7
55°	887.0	797.6	695.7	607.1	540.5	491.8	462.3	446.2	434.5	422.9	408.6
57.5°	781.2	711.3	621.0	540.1	478.7	434.4	406.8	391.2	382.2	376.2	367.7
60°	706.8	647.0	569.1	495.3	435.5	396.1	369.3	357.2	349.7	344.7	338.5
62.5°	637.8	588.7	516.5	449.2	396.8	359.6	335.7	324.0	316.7	314.3	309.1
65°	536.1	498.1	438.6	382.7	338.0	306.3	286.1	274.9	270.4	267.8	268.3
67.5°	435.8	412.7	364.9	317.3	281.5	254.9	238.8	230.2	228.0	224.5	224.4
70°	374.6	357.2	317.0	275.4	243.7	223.1	208.8	199.8	197.6	195.8	195.4
72.5°	320.6	305.4	270.4	237.1	208.6	190.5	178.7	173.4	169.7	168.7	168.6
75°	241.0	232.5	204.7	178.4	158.7	146.2	138.2	133.2	130.5	130.1	130.5
77.5°	171.3	163.9	146.3	127.6	115.2	105.7	98.9	97.2	94.2	94.3	93.8
80°	128.7	123.8	112.7	97.9	87.6	79.6	76.0	72.8	72.0	70.6	72.0
82.5°	93.3	88.1	80.5	71.1	62.6	57.8	54.2	53.2	52.7	52.0	52.3
85°	46.1	46.5	42.0	34.9	31.3	28.6	26.3	26.3	25.9	25.5	25.9
87.5°	17.4	16.4	14.8	13.5	11.5	10.2	9.6	9.8	9.0	8.8	9.4
90°	8.3	7.2	6.3	5.2	4.0	2.9	1.8	0.6	1.8	2.9	4.0
92.5°	22.1	20.9	19.6	18.7	17.8	17.0	16.3	15.5	16.3	17.0	17.8
95°	46.4	44.9	43.6	42.7	42.4	42.1	41.8	41.6	41.8	42.1	42.4
97.5°	74.5	72.5	70.5	69.5	69.4	69.2	69.1	69.1	69.1	69.2	69.4
100°	94.1	92.2	90.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
102.5°	116.4	115.5	114.5	113.7	113.1	112.6	112.0	111.5	112.0	112.6	113.1
105°	151.0	150.2	149.4	148.6	147.8	147.1	146.5	145.8	146.5	147.1	147.8
107.5°	188.4	187.8	187.1	186.4	185.7	185.0	184.3	183.6	184.3	185.0	185.7
110°	213.9	213.4	213.0	212.5	211.8	211.0	210.3	209.7	210.3	211.0	211.8





TEST NUMBER: P333407-935

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	239.3	238.7	238.2	237.7	237.4	236.9	236.6	236.3	236.6	236.9	237.4
115°	278.7	278.4	278.2	277.8	277.2	276.6	276.0	275.5	276.0	276.6	277.2
117.5°	316.7	316.4	316.2	315.9	315.6	315.4	315.1	314.9	315.1	315.4	315.6
120°	342.9	342.8	342.7	342.2	341.6	340.8	340.1	339.4	340.1	340.8	341.6
122.5°	368.1	367.6	367.3	367.0	366.8	366.5	366.3	366.0	366.3	366.5	366.8
125°	406.2	406.0	406.0	405.4	404.6	403.7	402.9	402.0	402.9	403.7	404.6
127.5°	443.0	442.8	442.6	442.3	441.9	441.3	440.8	440.4	440.8	441.3	441.9
130°	467.3	467.0	466.7	466.2	465.5	464.9	464.1	463.4	464.1	464.9	465.5
132.5°	491.5	491.5	491.6	491.0	489.9	488.7	487.6	486.4	487.6	488.7	489.9
135°	527.0	526.8	526.8	526.2	525.4	524.5	523.7	522.8	523.7	524.5	525.4
137.5°	561.5	561.3	560.9	560.4	559.6	558.7	557.9	557.1	557.9	558.7	559.6
140°	583.3	582.9	582.5	581.9	581.2	580.5	579.8	579.1	579.8	580.5	581.2
142.5°	605.1	604.6	604.0	603.5	602.9	602.3	601.7	601.1	601.7	602.3	602.9
145°	637.1	636.6	636.2	635.7	635.1	634.6	634.0	633.4	634.0	634.6	635.1
147.5°	665.6	665.2	664.9	664.6	664.3	663.9	663.7	663.3	663.7	663.9	664.3
150°	684.1	683.5	682.9	682.7	682.9	682.9	683.1	683.3	683.1	682.9	682.9
152.5°	701.1	700.9	700.6	700.4	700.3	700.0	699.8	699.6	699.8	700.0	700.3
155°	725.1	725.0	724.9	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8
157.5°	746.2	746.1	746.0	746.1	746.4	746.7	747.0	747.3	747.0	746.7	746.4
160°	759.1	758.9	758.7	758.9	759.3	759.7	760.2	760.6	760.2	759.7	759.3
162.5°	771.0	771.0	770.9	771.1	771.5	771.7	772.1	772.4	772.1	771.7	771.5
165°	787.1	787.0	786.9	787.0	787.2	787.6	787.8	788.1	787.8	787.6	787.2
167.5°	798.8	798.8	798.8	799.1	799.7	800.2	800.8	801.4	800.8	800.2	799.7
170°	806.0	806.0	806.0	806.2	806.8	807.4	808.0	808.6	808.0	807.4	806.8
172.5°	811.1	811.1	811.1	811.4	811.9	812.5	813.0	813.6	813.0	812.5	811.9
175°	816.8	816.8	816.8	817.1	817.7	818.3	818.8	819.4	818.8	818.3	817.7
177.5°	820.0	820.1	820.3	820.5	821.0	821.4	821.9	822.3	821.9	821.4	821.0
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333407-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1035.1	1031.1	1027.9	1020.8	1016.8	1011.5	1007.2	1011.8	1006.9	1009.0	1005.7
5°	1002.8	990.3	981.4	968.4	957.2	946.9	939.4	938.0	934.4	932.6	927.2
7.5°	964.0	948.3	933.0	916.0	901.6	887.1	877.8	870.1	865.0	858.3	853.8
10°	941.1	920.1	902.2	881.7	863.8	848.1	835.6	829.3	823.5	815.0	811.9
12.5°	912.8	891.1	869.3	847.3	830.2	812.7	801.9	792.5	788.5	778.9	777.9
15°	879.0	846.4	824.8	802.5	778.8	764.5	755.5	745.3	740.8	734.1	729.2
17.5°	838.5	809.4	782.6	759.4	739.1	727.0	715.9	708.9	701.2	696.8	688.8
20°	809.3	781.5	754.7	730.0	714.5	700.6	691.6	684.9	676.9	674.7	666.6
22.5°	784.5	754.0	728.2	707.6	690.4	674.9	665.1	660.6	655.0	648.2	646.5
25°	744.4	712.6	690.8	670.2	655.0	640.7	634.0	628.2	622.8	617.9	616.0
27.5°	709.7	681.3	655.3	636.7	623.5	610.4	604.5	597.4	593.6	589.6	584.8
30°	685.4	656.3	633.5	615.6	601.3	589.7	583.4	578.5	575.0	571.4	568.7
32.5°	660.3	633.4	611.3	593.8	579.5	570.8	565.2	561.7	557.8	553.5	550.1
35°	627.2	597.7	576.3	561.1	549.9	543.2	536.9	533.8	529.3	529.3	525.7
37.5°	590.0	564.5	545.5	531.7	521.7	515.7	508.9	506.7	503.9	502.0	500.8
40°	567.8	544.1	526.2	512.4	501.6	496.7	491.4	487.8	485.9	483.7	482.8
42.5°	544.9	522.3	505.1	492.3	483.0	478.8	473.8	471.3	467.7	464.8	464.3
45°	510.1	488.2	472.6	462.3	454.3	449.4	446.2	440.8	439.0	435.5	435.0
47.5°	477.1	456.1	440.7	432.3	425.2	421.2	416.3	411.0	408.9	407.1	406.9
50°	452.5	433.3	418.9	410.9	404.2	398.4	393.4	389.9	388.5	388.5	389.4
52.5°	427.4	411.0	398.9	389.1	382.7	376.5	372.0	369.8	367.7	369.9	371.5
55°	390.7	374.2	365.2	355.9	349.7	342.4	340.3	339.3	338.0	341.6	343.4
57.5°	352.0	340.4	329.8	320.6	315.0	310.8	307.8	307.2	309.7	311.4	317.3
60°	327.3	313.8	304.4	297.3	290.6	287.9	287.1	286.1	287.9	292.8	300.4
62.5°	300.1	289.2	279.1	273.7	268.8	264.3	264.2	264.7	268.3	273.9	281.5
65°	260.2	250.8	244.1	237.8	233.8	231.2	232.0	233.8	237.8	245.5	253.9
67.5°	219.7	213.3	207.2	202.2	198.3	198.3	199.2	201.9	206.6	215.4	223.2
70°	193.6	186.4	181.5	179.3	176.2	174.4	177.0	181.5	185.5	193.6	200.3
72.5°	167.5	161.4	157.6	156.0	154.7	153.3	154.1	158.9	164.5	172.5	180.3
75°	128.7	126.5	123.8	122.1	120.7	121.6	122.5	127.0	131.5	139.9	148.9
77.5°	93.9	91.6	90.1	89.6	88.9	89.3	91.9	95.1	99.5	105.7	112.4
80°	71.1	70.2	69.3	68.9	68.9	69.3	72.8	75.1	79.1	85.0	90.3
82.5°	51.7	51.2	51.1	51.0	51.3	51.4	53.6	56.5	59.8	64.2	68.9
85°	27.3	26.3	27.7	28.2	27.3	28.6	29.5	31.3	32.6	34.9	37.1
87.5°	10.0	10.9	10.8	11.3	11.5	12.4	12.2	13.8	14.6	15.5	15.2
90°	5.2	6.3	7.2	8.3	9.2	10.2	10.9	11.6	12.4	13.1	13.6
92.5°	18.7	19.6	20.9	22.1	23.3	24.5	25.5	26.4	27.4	28.3	28.9
95°	42.7	43.6	44.9	46.4	47.8	49.2	50.2	51.2	52.2	53.2	53.8
97.5°	69.5	70.5	72.5	74.5	76.4	78.4	79.3	80.2	81.2	82.1	82.7
100°	89.5	90.4	92.2	94.1	95.9	97.8	99.1	100.3	101.6	102.9	103.7
102.5°	113.7	114.5	115.5	116.4	117.3	118.2	119.7	121.1	122.4	123.8	124.7
105°	148.6	149.4	150.2	151.0	151.9	152.7	153.6	154.5	155.3	156.2	156.8
107.5°	186.4	187.1	187.8	188.4	189.1	189.7	190.1	190.5	191.0	191.4	191.6
110°	212.5	213.0	213.4	213.9	214.3	214.7	215.2	215.6	216.0	216.5	216.6



TEST NUMBER: P333407-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.7	238.2	238.7	239.3	239.8	240.3	240.6	240.7	240.9	241.1	241.1
115°	277.8	278.2	278.4	278.7	279.1	279.3	279.1	279.1	278.9	278.7	278.6
117.5°	315.9	316.2	316.4	316.7	316.9	317.2	317.3	317.4	317.5	317.6	317.4
120°	342.2	342.7	342.8	342.9	343.1	343.2	343.2	343.2	343.2	343.2	342.9
122.5°	367.0	367.3	367.6	368.1	368.4	368.8	368.7	368.6	368.4	368.3	368.1
125°	405.4	406.0	406.0	406.2	406.4	406.5	406.2	406.0	405.6	405.4	405.2
127.5°	442.3	442.6	442.8	443.0	443.2	443.3	443.2	443.1	442.9	442.7	442.6
130°	466.2	466.7	467.0	467.3	467.6	467.9	467.7	467.6	467.4	467.3	467.1
132.5°	491.0	491.6	491.5	491.5	491.5	491.4	491.3	491.1	490.9	490.9	490.5
135°	526.2	526.8	526.8	527.0	527.2	527.3	527.3	527.3	527.3	527.3	527.0
137.5°	560.4	560.9	561.3	561.5	561.9	562.2	562.4	562.6	562.7	562.9	562.6
140°	581.9	582.5	582.9	583.3	583.8	584.2	584.4	584.8	585.0	585.3	585.1
142.5°	603.5	604.0	604.6	605.1	605.6	606.1	606.3	606.5	606.7	606.8	606.6
145°	635.7	636.2	636.6	637.1	637.5	637.9	637.9	637.9	637.9	637.9	637.7
147.5°	664.6	664.9	665.2	665.6	665.9	666.2	666.6	666.9	667.3	667.6	667.3
150°	682.7	682.9	683.5	684.1	684.6	685.2	685.2	685.2	685.2	685.2	685.0
152.5°	700.4	700.6	700.9	701.1	701.3	701.5	701.9	702.2	702.6	702.9	702.8
155°	724.8	724.9	725.0	725.1	725.3	725.5	726.0	726.6	727.1	727.7	727.6
157.5°	746.1	746.0	746.1	746.2	746.4	746.6	747.1	747.7	748.2	748.8	748.6
160°	758.9	758.7	758.9	759.1	759.1	759.3	759.9	760.4	761.0	761.6	761.6
162.5°	771.1	770.9	771.0	771.0	771.0	771.1	771.8	772.5	773.1	773.8	773.8
165°	787.0	786.9	787.0	787.1	787.3	787.5	788.0	788.6	789.2	789.7	789.5
167.5°	799.1	798.8	798.8	798.8	798.8	798.8	799.7	800.6	801.4	802.2	802.2
170°	806.2	806.0	806.0	806.0	806.0	806.0	806.8	807.7	808.6	809.4	809.3
172.5°	811.4	811.1	811.1	811.1	811.1	811.1	811.9	812.8	813.6	814.5	814.5
175°	817.1	816.8	816.8	816.8	816.8	816.8	817.7	818.6	819.4	820.3	820.2
177.5°	820.5	820.3	820.1	820.0	819.9	819.8	820.4	821.1	821.8	822.5	822.4
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333407-935

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1003.6	1006.1	1003.9	1006.9	1003.9	1006.1	1003.6	1005.7	1009.0	1006.9	1011.8
5°	925.0	921.0	923.7	921.9	923.7	921.0	925.0	927.2	932.6	934.4	938.0
7.5°	852.4	848.5	844.2	842.1	844.2	848.5	852.4	853.8	858.3	865.0	870.1
10°	807.0	802.0	801.6	798.5	801.6	802.0	807.0	811.9	815.0	823.5	829.3
12.5°	773.7	769.1	764.1	762.8	764.1	769.1	773.7	777.9	778.9	788.5	792.5
15°	726.5	722.9	719.8	722.5	719.8	722.9	726.5	729.2	734.1	740.8	745.3
17.5°	687.3	684.3	683.7	680.4	683.7	684.3	687.3	688.8	696.8	701.2	708.9
20°	662.5	660.3	661.2	655.4	661.2	660.3	662.5	666.6	674.7	676.9	684.9
22.5°	642.9	638.5	638.0	636.8	638.0	638.5	642.9	646.5	648.2	655.0	660.6
25°	612.1	609.8	607.6	609.8	607.6	609.8	612.1	616.0	617.9	622.8	628.2
27.5°	585.1	582.5	581.9	582.1	581.9	582.5	585.1	584.8	589.6	593.6	597.4
30°	568.7	564.2	564.6	564.2	564.6	564.2	568.7	568.7	571.4	575.0	578.5
32.5°	550.8	547.8	547.2	546.3	547.2	547.8	550.8	550.1	553.5	557.8	561.7
35°	524.4	524.4	522.2	522.2	522.2	524.4	524.4	525.7	529.3	529.3	533.8
37.5°	499.6	499.2	497.8	498.1	497.8	499.2	499.6	500.8	502.0	503.9	506.7
40°	481.0	480.6	479.2	476.6	479.2	480.6	481.0	482.8	483.7	485.9	487.8
42.5°	463.1	461.7	461.1	460.1	461.1	461.7	463.1	464.3	464.8	467.7	471.3
45°	435.0	435.0	434.1	433.7	434.1	435.0	435.0	435.0	435.5	439.0	440.8
47.5°	407.7	408.5	410.2	409.9	410.2	408.5	407.7	406.9	407.1	408.9	411.0
50°	391.2	391.7	393.0	393.4	393.0	391.7	391.2	389.4	388.5	388.5	389.9
52.5°	373.0	375.6	377.2	376.9	377.2	375.6	373.0	371.5	369.9	367.7	369.8
55°	347.4	350.5	353.6	354.1	353.6	350.5	347.4	343.4	341.6	338.0	339.3
57.5°	322.1	326.5	329.8	330.8	329.8	326.5	322.1	317.3	311.4	309.7	307.2
60°	304.9	310.7	314.8	316.5	314.8	310.7	304.9	300.4	292.8	287.9	286.1
62.5°	288.4	295.0	299.0	299.4	299.0	295.0	288.4	281.5	273.9	268.3	264.7
65°	261.6	268.3	271.8	274.5	271.8	268.3	261.6	253.9	245.5	237.8	233.8
67.5°	232.6	239.3	243.2	245.4	243.2	239.3	232.6	223.2	215.4	206.6	201.9
70°	211.5	218.2	223.5	225.3	223.5	218.2	211.5	200.3	193.6	185.5	181.5
72.5°	190.7	196.7	201.0	203.1	201.0	196.7	190.7	180.3	172.5	164.5	158.9
75°	154.7	162.7	166.8	169.0	166.8	162.7	154.7	148.9	139.9	131.5	127.0
77.5°	119.2	126.7	129.1	130.2	129.1	126.7	119.2	112.4	105.7	99.5	95.1
80°	95.7	100.1	103.2	103.8	103.2	100.1	95.7	90.3	85.0	79.1	75.1
82.5°	73.5	77.2	78.3	79.4	78.3	77.2	73.5	68.9	64.2	59.8	56.5
85°	40.2	42.0	42.4	42.0	42.4	42.0	40.2	37.1	34.9	32.6	31.3
87.5°	16.0	15.8	15.8	16.6	15.8	15.8	16.0	15.2	15.5	14.6	13.8
90°	14.0	14.5	14.9	15.3	14.9	14.5	14.0	13.6	13.1	12.4	11.6
92.5°	29.3	29.5	29.9	30.1	29.9	29.5	29.3	28.9	28.3	27.4	26.4
95°	54.2	54.4	54.7	54.9	54.7	54.4	54.2	53.8	53.2	52.2	51.2
97.5°	82.8	83.0	83.2	83.3	83.2	83.0	82.8	82.7	82.1	81.2	80.2
100°	104.0	104.3	104.5	104.8	104.5	104.3	104.0	103.7	102.9	101.6	100.3
102.5°	125.1	125.5	125.9	126.3	125.9	125.5	125.1	124.7	123.8	122.4	121.1
105°	157.2	157.6	158.1	158.5	158.1	157.6	157.2	156.8	156.2	155.3	154.5
107.5°	191.6	191.6	191.5	191.5	191.5	191.6	191.6	191.6	191.4	191.0	190.5
110°	216.5	216.3	216.2	216.0	216.2	216.3	216.5	216.6	216.5	216.0	215.6



TEST NUMBER: P333407-935

CATALOG NUMBER: S125DIW-S850D770U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.8	240.6	240.3	240.0	240.3	240.6	240.8	241.1	241.1	240.9	240.7
115°	278.4	278.4	278.2	278.0	278.2	278.4	278.4	278.6	278.7	278.9	279.1
117.5°	316.8	316.2	315.6	315.1	315.6	316.2	316.8	317.4	317.6	317.5	317.4
120°	342.4	341.8	341.2	340.7	341.2	341.8	342.4	342.9	343.2	343.2	343.2
122.5°	367.6	367.1	366.7	366.3	366.7	367.1	367.6	368.1	368.3	368.4	368.6
125°	405.0	404.8	404.8	404.6	404.8	404.8	405.0	405.2	405.4	405.6	406.0
127.5°	442.3	442.0	441.7	441.4	441.7	442.0	442.3	442.6	442.7	442.9	443.1
130°	466.8	466.5	466.2	466.0	466.2	466.5	466.8	467.1	467.3	467.4	467.6
132.5°	490.2	489.7	489.4	489.0	489.4	489.7	490.2	490.5	490.9	490.9	491.1
135°	526.4	525.9	525.3	524.8	525.3	525.9	526.4	527.0	527.3	527.3	527.3
137.5°	561.9	561.2	560.5	559.7	560.5	561.2	561.9	562.6	562.9	562.7	562.6
140°	584.4	583.7	583.0	582.3	583.0	583.7	584.4	585.1	585.3	585.0	584.8
142.5°	605.9	605.2	604.4	603.7	604.4	605.2	605.9	606.6	606.8	606.7	606.5
145°	637.2	636.8	636.4	635.9	636.4	636.8	637.2	637.7	637.9	637.9	637.9
147.5°	666.3	665.4	664.4	663.5	664.4	665.4	666.3	667.3	667.6	667.3	666.9
150°	684.8	684.5	684.2	683.9	684.2	684.5	684.8	685.0	685.2	685.2	685.2
152.5°	702.3	701.8	701.3	700.8	701.3	701.8	702.3	702.8	702.9	702.6	702.2
155°	726.9	726.3	725.5	724.8	725.5	726.3	726.9	727.6	727.7	727.1	726.6
157.5°	747.7	746.7	745.8	744.9	745.8	746.7	747.7	748.6	748.8	748.2	747.7
160°	760.8	760.1	759.4	758.7	759.4	760.1	760.8	761.6	761.6	761.0	760.4
162.5°	772.9	772.1	771.3	770.4	771.3	772.1	772.9	773.8	773.8	773.1	772.5
165°	788.8	787.9	787.0	786.2	787.0	787.9	788.8	789.5	789.7	789.2	788.6
167.5°	801.3	800.5	799.6	798.7	799.6	800.5	801.3	802.2	802.2	801.4	800.6
170°	808.3	807.4	806.3	805.4	806.3	807.4	808.3	809.3	809.4	808.6	807.7
172.5°	813.6	812.7	811.8	811.0	811.8	812.7	813.6	814.5	814.5	813.6	812.8
175°	819.2	818.2	817.2	816.2	817.2	818.2	819.2	820.2	820.3	819.4	818.6
177.5°	821.7	820.9	820.1	819.2	820.1	820.9	821.7	822.4	822.5	821.8	821.1
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333407-935

CATALOG NUMBER: S125DIW-S850D770U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1007.2	1011.5	1016.8	1020.8	1027.9	1031.1	1035.1	1038.3	1044.0	1049.4	1055.8
5°	939.4	946.9	957.2	968.4	981.4	990.3	1002.8	1010.4	1025.6	1039.5	1052.8
7.5°	877.8	887.1	901.6	916.0	933.0	948.3	964.0	981.4	1000.7	1023.6	1042.6
10°	835.6	848.1	863.8	881.7	902.2	920.1	941.1	959.8	983.6	1010.4	1035.4
12.5°	801.9	812.7	830.2	847.3	869.3	891.1	912.8	937.7	965.4	995.1	1026.5
15°	755.5	764.5	778.8	802.5	824.8	846.4	879.0	902.2	937.1	970.2	1008.1
17.5°	715.9	727.0	739.1	759.4	782.6	809.4	838.5	867.7	901.3	943.2	986.1
20°	691.6	700.6	714.5	730.0	754.7	781.5	809.3	838.7	879.9	923.3	969.2
22.5°	665.1	674.9	690.4	707.6	728.2	754.0	784.5	816.9	859.8	902.5	952.4
25°	634.0	640.7	655.0	670.2	690.8	712.6	744.4	780.2	822.6	871.3	922.3
27.5°	604.5	610.4	623.5	636.7	655.3	681.3	709.7	745.8	785.8	835.3	891.7
30°	583.4	589.7	601.3	615.6	633.5	656.3	685.4	719.4	762.2	810.5	869.6
32.5°	565.2	570.8	579.5	593.8	611.3	633.4	660.3	695.0	738.0	787.0	844.9
35°	536.9	543.2	549.9	561.1	576.3	597.7	627.2	659.9	701.0	748.4	801.6
37.5°	508.9	515.7	521.7	531.7	545.5	564.5	590.0	624.0	661.2	706.8	757.9
40°	491.4	496.7	501.6	512.4	526.2	544.1	567.8	598.2	637.6	680.0	722.5
42.5°	473.8	478.8	483.0	492.3	505.1	522.3	544.9	574.5	611.1	650.7	688.1
45°	446.2	449.4	454.3	462.3	472.6	488.2	510.1	536.5	567.3	604.9	633.1
47.5°	416.3	421.2	425.2	432.3	440.7	456.1	477.1	499.6	527.5	555.4	575.3
50°	393.4	398.4	404.2	410.9	418.9	433.3	452.5	475.3	498.9	520.4	537.4
52.5°	372.0	376.5	382.7	389.1	398.9	411.0	427.4	447.7	471.1	486.5	500.6
55°	340.3	342.4	349.7	355.9	365.2	374.2	390.7	408.6	422.9	434.5	446.2
57.5°	307.8	310.8	315.0	320.6	329.8	340.4	352.0	367.7	376.2	382.2	391.2
60°	287.1	287.9	290.6	297.3	304.4	313.8	327.3	338.5	344.7	349.7	357.2
62.5°	264.2	264.3	268.8	273.7	279.1	289.2	300.1	309.1	314.3	316.7	324.0
65°	232.0	231.2	233.8	237.8	244.1	250.8	260.2	268.3	267.8	270.4	274.9
67.5°	199.2	198.3	198.3	202.2	207.2	213.3	219.7	224.4	224.5	228.0	230.2
70°	177.0	174.4	176.2	179.3	181.5	186.4	193.6	195.4	195.8	197.6	199.8
72.5°	154.1	153.3	154.7	156.0	157.6	161.4	167.5	168.6	168.7	169.7	173.4
75°	122.5	121.6	120.7	122.1	123.8	126.5	128.7	130.5	130.1	130.5	133.2
77.5°	91.9	89.3	88.9	89.6	90.1	91.6	93.9	93.8	94.3	94.2	97.2
80°	72.8	69.3	68.9	68.9	69.3	70.2	71.1	72.0	70.6	72.0	72.8
82.5°	53.6	51.4	51.3	51.0	51.1	51.2	51.7	52.3	52.0	52.7	53.2
85°	29.5	28.6	27.3	28.2	27.7	26.3	27.3	25.9	25.5	25.9	26.3
87.5°	12.2	12.4	11.5	11.3	10.8	10.9	10.0	9.4	8.8	9.0	9.8
90°	10.9	10.2	9.2	8.3	7.2	6.3	5.2	4.0	2.9	1.8	0.6
92.5°	25.5	24.5	23.3	22.1	20.9	19.6	18.7	17.8	17.0	16.3	15.5
95°	50.2	49.2	47.8	46.4	44.9	43.6	42.7	42.4	42.1	41.8	41.6
97.5°	79.3	78.4	76.4	74.5	72.5	70.5	69.5	69.4	69.2	69.1	69.1
100°	99.1	97.8	95.9	94.1	92.2	90.4	89.5	89.5	89.5	89.5	89.5
102.5°	119.7	118.2	117.3	116.4	115.5	114.5	113.7	113.1	112.6	112.0	111.5
105°	153.6	152.7	151.9	151.0	150.2	149.4	148.6	147.8	147.1	146.5	145.8
107.5°	190.1	189.7	189.1	188.4	187.8	187.1	186.4	185.7	185.0	184.3	183.6
110°	215.2	214.7	214.3	213.9	213.4	213.0	212.5	211.8	211.0	210.3	209.7



TEST NUMBER: P333407-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	240.6	240.3	239.8	239.3	238.7	238.2	237.7	237.4	236.9	236.6	236.3
115°	279.1	279.3	279.1	278.7	278.4	278.2	277.8	277.2	276.6	276.0	275.5
117.5°	317.3	317.2	316.9	316.7	316.4	316.2	315.9	315.6	315.4	315.1	314.9
120°	343.2	343.2	343.1	342.9	342.8	342.7	342.2	341.6	340.8	340.1	339.4
122.5°	368.7	368.8	368.4	368.1	367.6	367.3	367.0	366.8	366.5	366.3	366.0
125°	406.2	406.5	406.4	406.2	406.0	406.0	405.4	404.6	403.7	402.9	402.0
127.5°	443.2	443.3	443.2	443.0	442.8	442.6	442.3	441.9	441.3	440.8	440.4
130°	467.7	467.9	467.6	467.3	467.0	466.7	466.2	465.5	464.9	464.1	463.4
132.5°	491.3	491.4	491.5	491.5	491.5	491.6	491.0	489.9	488.7	487.6	486.4
135°	527.3	527.3	527.2	527.0	526.8	526.8	526.2	525.4	524.5	523.7	522.8
137.5°	562.4	562.2	561.9	561.5	561.3	560.9	560.4	559.6	558.7	557.9	557.1
140°	584.4	584.2	583.8	583.3	582.9	582.5	581.9	581.2	580.5	579.8	579.1
142.5°	606.3	606.1	605.6	605.1	604.6	604.0	603.5	602.9	602.3	601.7	601.1
145°	637.9	637.9	637.5	637.1	636.6	636.2	635.7	635.1	634.6	634.0	633.4
147.5°	666.6	666.2	665.9	665.6	665.2	664.9	664.6	664.3	663.9	663.7	663.3
150°	685.2	685.2	684.6	684.1	683.5	682.9	682.7	682.9	682.9	683.1	683.3
152.5°	701.9	701.5	701.3	701.1	700.9	700.6	700.4	700.3	700.0	699.8	699.6
155°	726.0	725.5	725.3	725.1	725.0	724.9	724.8	724.8	724.8	724.8	724.8
157.5°	747.1	746.6	746.4	746.2	746.1	746.0	746.1	746.4	746.7	747.0	747.3
160°	759.9	759.3	759.1	759.1	758.9	758.7	758.9	759.3	759.7	760.2	760.6
162.5°	771.8	771.1	771.0	771.0	771.0	770.9	771.1	771.5	771.7	772.1	772.4
165°	788.0	787.5	787.3	787.1	787.0	786.9	787.0	787.2	787.6	787.8	788.1
167.5°	799.7	798.8	798.8	798.8	798.8	798.8	799.1	799.7	800.2	800.8	801.4
170°	806.8	806.0	806.0	806.0	806.0	806.0	806.2	806.8	807.4	808.0	808.6
172.5°	811.9	811.1	811.1	811.1	811.1	811.1	811.4	811.9	812.5	813.0	813.6
175°	817.7	816.8	816.8	816.8	816.8	816.8	817.1	817.7	818.3	818.8	819.4
177.5°	820.4	819.8	819.9	820.0	820.1	820.3	820.5	821.0	821.4	821.9	822.3
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333407-935

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1059.0	1064.0	1067.3	1073.3	1078.3	1081.2	1083.7	1085.9	1088.4	1090.5	1096.6
5°	1065.8	1077.5	1087.3	1102.5	1116.4	1127.0	1138.7	1149.0	1157.5	1169.6	1179.0
7.5°	1062.9	1083.6	1105.2	1128.7	1152.7	1175.1	1195.7	1214.9	1232.3	1253.4	1272.0
10°	1060.1	1088.2	1115.9	1147.6	1180.3	1208.0	1233.9	1260.3	1279.5	1306.4	1329.1
12.5°	1057.9	1091.1	1124.5	1162.7	1198.5	1237.7	1272.2	1291.4	1320.7	1342.1	1369.2
15°	1048.9	1092.7	1138.7	1181.6	1232.6	1268.8	1299.2	1336.8	1364.0	1391.3	1420.8
17.5°	1032.7	1082.3	1133.8	1190.1	1239.0	1277.8	1317.0	1353.2	1385.8	1422.4	1459.1
20°	1025.2	1074.8	1133.8	1191.5	1239.3	1280.0	1320.3	1360.0	1395.8	1442.7	1485.2
22.5°	1009.4	1069.4	1123.8	1180.0	1229.2	1273.6	1319.1	1364.3	1411.9	1464.9	1518.1
25°	981.4	1042.2	1099.8	1155.3	1204.9	1260.3	1309.1	1369.4	1430.2	1500.4	1566.6
27.5°	952.2	1010.4	1063.2	1116.8	1174.7	1237.4	1300.6	1369.2	1448.7	1537.3	1630.6
30°	928.6	983.6	1035.0	1089.9	1150.3	1221.0	1290.3	1371.7	1463.7	1563.4	1674.3
32.5°	901.0	951.7	1001.7	1060.0	1125.7	1200.2	1281.0	1370.2	1480.9	1594.2	1708.3
35°	853.9	896.4	947.8	1010.0	1084.2	1169.6	1263.0	1368.5	1495.5	1625.6	1721.7
37.5°	798.1	837.6	891.7	959.8	1037.7	1129.3	1240.2	1365.4	1500.2	1604.0	1635.0
40°	760.5	797.1	853.5	924.1	1003.7	1100.7	1222.3	1354.6	1485.2	1551.3	1525.9
42.5°	720.4	758.9	813.7	883.7	969.4	1075.0	1199.8	1332.1	1441.6	1466.6	1378.5
45°	657.2	697.0	751.1	821.7	913.9	1028.3	1158.4	1278.7	1341.7	1296.5	1160.2
47.5°	598.5	635.8	685.9	758.8	853.9	972.2	1097.5	1193.4	1198.4	1090.7	945.0
50°	558.4	592.8	643.3	716.2	810.5	930.4	1043.4	1119.0	1085.0	963.0	823.0
52.5°	519.1	552.8	602.6	674.8	768.0	877.8	983.0	1036.0	972.1	846.8	727.2
55°	462.3	491.8	540.5	607.1	695.7	797.6	887.0	905.3	822.2	698.8	601.8
57.5°	406.8	434.4	478.7	540.1	621.0	711.3	781.2	777.3	689.4	583.5	506.5
60°	369.3	396.1	435.5	495.3	569.1	647.0	706.8	692.5	605.4	514.1	449.4
62.5°	335.7	359.6	396.8	449.2	516.5	588.7	637.8	616.7	531.3	451.5	400.3
65°	286.1	306.3	338.0	382.7	438.6	498.1	536.1	508.8	435.9	373.8	332.6
67.5°	238.8	254.9	281.5	317.3	364.9	412.7	435.8	408.4	350.1	304.7	274.2
70°	208.8	223.1	243.7	275.4	317.0	357.2	374.6	350.1	300.0	261.1	239.2
72.5°	178.7	190.5	208.6	237.1	270.4	305.4	320.6	297.1	256.0	223.2	202.7
75°	138.2	146.2	158.7	178.4	204.7	232.5	241.0	220.4	194.1	169.4	156.0
77.5°	98.9	105.7	115.2	127.6	146.3	163.9	171.3	159.5	139.1	123.5	112.4
80°	76.0	79.6	87.6	97.9	112.7	123.8	128.7	121.1	106.9	95.2	86.7
82.5°	54.2	57.8	62.6	71.1	80.5	88.1	93.3	88.3	77.9	68.8	63.8
85°	26.3	28.6	31.3	34.9	42.0	46.5	46.1	42.9	38.9	35.3	32.6
87.5°	9.6	10.2	11.5	13.5	14.8	16.4	17.4	16.9	15.7	14.7	13.8
90°	1.8	2.9	4.0	5.2	6.3	7.2	8.3	9.2	10.2	10.9	11.6
92.5°	16.3	17.0	17.8	18.7	19.6	20.9	22.1	23.3	24.5	25.5	26.4
95°	41.8	42.1	42.4	42.7	43.6	44.9	46.4	47.8	49.2	50.2	51.2
97.5°	69.1	69.2	69.4	69.5	70.5	72.5	74.5	76.4	78.4	79.3	80.2
100°	89.5	89.5	89.5	89.5	90.4	92.2	94.1	95.9	97.8	99.1	100.3
102.5°	112.0	112.6	113.1	113.7	114.5	115.5	116.4	117.3	118.2	119.7	121.1
105°	146.5	147.1	147.8	148.6	149.4	150.2	151.0	151.9	152.7	153.6	154.5
107.5°	184.3	185.0	185.7	186.4	187.1	187.8	188.4	189.1	189.7	190.1	190.5
110°	210.3	211.0	211.8	212.5	213.0	213.4	213.9	214.3	214.7	215.2	215.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	236.6	236.9	237.4	237.7	238.2	238.7	239.3	239.8	240.3	240.6	240.7
115°	276.0	276.6	277.2	277.8	278.2	278.4	278.7	279.1	279.3	279.1	279.1
117.5°	315.1	315.4	315.6	315.9	316.2	316.4	316.7	316.9	317.2	317.3	317.4
120°	340.1	340.8	341.6	342.2	342.7	342.8	342.9	343.1	343.2	343.2	343.2
122.5°	366.3	366.5	366.8	367.0	367.3	367.6	368.1	368.4	368.8	368.7	368.6
125°	402.9	403.7	404.6	405.4	406.0	406.0	406.2	406.4	406.5	406.2	406.0
127.5°	440.8	441.3	441.9	442.3	442.6	442.8	443.0	443.2	443.3	443.2	443.1
130°	464.1	464.9	465.5	466.2	466.7	467.0	467.3	467.6	467.9	467.7	467.6
132.5°	487.6	488.7	489.9	491.0	491.6	491.5	491.5	491.5	491.4	491.3	491.1
135°	523.7	524.5	525.4	526.2	526.8	526.8	527.0	527.2	527.3	527.3	527.3
137.5°	557.9	558.7	559.6	560.4	560.9	561.3	561.5	561.9	562.2	562.4	562.6
140°	579.8	580.5	581.2	581.9	582.5	582.9	583.3	583.8	584.2	584.4	584.8
142.5°	601.7	602.3	602.9	603.5	604.0	604.6	605.1	605.6	606.1	606.3	606.5
145°	634.0	634.6	635.1	635.7	636.2	636.6	637.1	637.5	637.9	637.9	637.9
147.5°	663.7	663.9	664.3	664.6	664.9	665.2	665.6	665.9	666.2	666.6	666.9
150°	683.1	682.9	682.9	682.7	682.9	683.5	684.1	684.6	685.2	685.2	685.2
152.5°	699.8	700.0	700.3	700.4	700.6	700.9	701.1	701.3	701.5	701.9	702.2
155°	724.8	724.8	724.8	724.8	724.9	725.0	725.1	725.3	725.5	726.0	726.6
157.5°	747.0	746.7	746.4	746.1	746.0	746.1	746.2	746.4	746.6	747.1	747.7
160°	760.2	759.7	759.3	758.9	758.7	758.9	759.1	759.1	759.3	759.9	760.4
162.5°	772.1	771.7	771.5	771.1	770.9	771.0	771.0	771.0	771.1	771.8	772.5
165°	787.8	787.6	787.2	787.0	786.9	787.0	787.1	787.3	787.5	788.0	788.6
167.5°	800.8	800.2	799.7	799.1	798.8	798.8	798.8	798.8	798.8	799.7	800.6
170°	808.0	807.4	806.8	806.2	806.0	806.0	806.0	806.0	806.0	806.8	807.7
172.5°	813.0	812.5	811.9	811.4	811.1	811.1	811.1	811.1	811.1	811.9	812.8
175°	818.8	818.3	817.7	817.1	816.8	816.8	816.8	816.8	816.8	817.7	818.6
177.5°	821.9	821.4	821.0	820.5	820.3	820.1	820.0	819.9	819.8	820.4	821.1
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1101.6	1104.5	1110.5	1108.4	1111.3	1112.7	1114.1
5°	1190.6	1204.9	1211.2	1210.2	1219.6	1217.4	1215.1
7.5°	1291.1	1306.1	1314.5	1325.0	1331.0	1331.5	1336.8
10°	1348.0	1367.6	1375.7	1386.8	1394.0	1398.0	1397.6
12.5°	1391.5	1407.0	1425.0	1430.5	1440.1	1445.2	1443.4
15°	1444.1	1468.7	1487.5	1496.8	1508.9	1512.4	1517.4
17.5°	1490.9	1523.9	1545.8	1574.9	1586.0	1592.7	1588.7
20°	1526.3	1569.7	1591.6	1626.5	1645.7	1656.0	1652.4
22.5°	1568.1	1615.1	1655.6	1685.8	1715.1	1729.0	1731.8
25°	1639.9	1704.3	1763.8	1803.5	1839.7	1848.2	1867.0
27.5°	1720.0	1796.0	1859.5	1901.3	1926.6	1936.0	1941.9
30°	1770.5	1846.0	1893.9	1920.6	1928.7	1927.8	1926.9
32.5°	1795.1	1842.5	1851.6	1844.1	1825.7	1810.2	1793.9
35°	1760.1	1724.8	1672.1	1604.1	1554.0	1503.6	1498.6
37.5°	1583.0	1470.1	1382.2	1284.2	1227.6	1192.7	1168.5
40°	1416.3	1288.1	1181.6	1098.9	1041.2	1018.5	996.1
42.5°	1235.4	1112.8	1018.6	949.4	906.0	880.7	863.1
45°	1003.7	895.5	821.7	771.6	737.3	717.6	706.4
47.5°	822.4	742.4	679.8	643.6	619.8	604.5	604.6
50°	725.1	648.7	607.1	578.5	557.9	545.9	548.1
52.5°	638.9	581.9	546.3	522.4	507.1	499.7	499.5
55°	534.3	493.1	469.8	452.5	442.1	433.7	435.5
57.5°	457.0	422.3	406.7	392.3	385.1	381.7	376.8
60°	409.1	382.3	368.9	357.2	350.1	347.4	342.4
62.5°	366.5	345.4	332.3	322.9	316.4	315.6	311.7
65°	308.1	292.0	280.3	275.9	269.1	267.3	267.3
67.5°	253.9	242.4	233.4	229.3	226.3	226.8	224.6
70°	220.0	210.6	204.7	200.3	198.0	198.5	196.7
72.5°	192.4	181.9	176.8	174.2	171.3	172.4	171.7
75°	145.8	140.3	137.7	135.0	133.2	132.3	131.5
77.5°	107.0	102.3	100.2	98.8	99.0	96.9	98.5
80°	82.7	78.7	77.3	75.1	74.6	74.6	74.2
82.5°	60.5	58.3	57.3	55.4	54.7	55.4	54.2
85°	31.3	29.5	29.1	29.1	28.2	27.3	29.5
87.5°	13.9	12.7	12.7	12.5	12.6	12.3	11.6
90°	12.4	13.1	13.6	14.0	14.5	14.9	15.3
92.5°	27.4	28.3	28.9	29.3	29.5	29.9	30.1
95°	52.2	53.2	53.8	54.2	54.4	54.7	54.9
97.5°	81.2	82.1	82.7	82.8	83.0	83.2	83.3
100°	101.6	102.9	103.7	104.0	104.3	104.5	104.8
102.5°	122.4	123.8	124.7	125.1	125.5	125.9	126.3
105°	155.3	156.2	156.8	157.2	157.6	158.1	158.5
107.5°	191.0	191.4	191.6	191.6	191.6	191.5	191.5
110°	216.0	216.5	216.6	216.5	216.3	216.2	216.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	240.9	241.1	241.1	240.8	240.6	240.3	240.0
115°	278.9	278.7	278.6	278.4	278.4	278.2	278.0
117.5°	317.5	317.6	317.4	316.8	316.2	315.6	315.1
120°	343.2	343.2	342.9	342.4	341.8	341.2	340.7
122.5°	368.4	368.3	368.1	367.6	367.1	366.7	366.3
125°	405.6	405.4	405.2	405.0	404.8	404.8	404.6
127.5°	442.9	442.7	442.6	442.3	442.0	441.7	441.4
130°	467.4	467.3	467.1	466.8	466.5	466.2	466.0
132.5°	490.9	490.9	490.5	490.2	489.7	489.4	489.0
135°	527.3	527.3	527.0	526.4	525.9	525.3	524.8
137.5°	562.7	562.9	562.6	561.9	561.2	560.5	559.7
140°	585.0	585.3	585.1	584.4	583.7	583.0	582.3
142.5°	606.7	606.8	606.6	605.9	605.2	604.4	603.7
145°	637.9	637.9	637.7	637.2	636.8	636.4	635.9
147.5°	667.3	667.6	667.3	666.3	665.4	664.4	663.5
150°	685.2	685.2	685.0	684.8	684.5	684.2	683.9
152.5°	702.6	702.9	702.8	702.3	701.8	701.3	700.8
155°	727.1	727.7	727.6	726.9	726.3	725.5	724.8
157.5°	748.2	748.8	748.6	747.7	746.7	745.8	744.9
160°	761.0	761.6	761.6	760.8	760.1	759.4	758.7
162.5°	773.1	773.8	773.8	772.9	772.1	771.3	770.4
165°	789.2	789.7	789.5	788.8	787.9	787.0	786.2
167.5°	801.4	802.2	802.2	801.3	800.5	799.6	798.7
170°	808.6	809.4	809.3	808.3	807.4	806.3	805.4
172.5°	813.6	814.5	814.5	813.6	812.7	811.8	811.0
175°	819.4	820.3	820.2	819.2	818.2	817.2	816.2
177.5°	821.8	822.5	822.4	821.7	820.9	820.1	819.2
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3

(END OF REPORT)