

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: P331568-927

Luminaire Tested: **S122DIW-S865D970U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331568-927
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-S865D970U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5679.9 lumens
Efficiency: N/A
Efficacy: 92.8 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

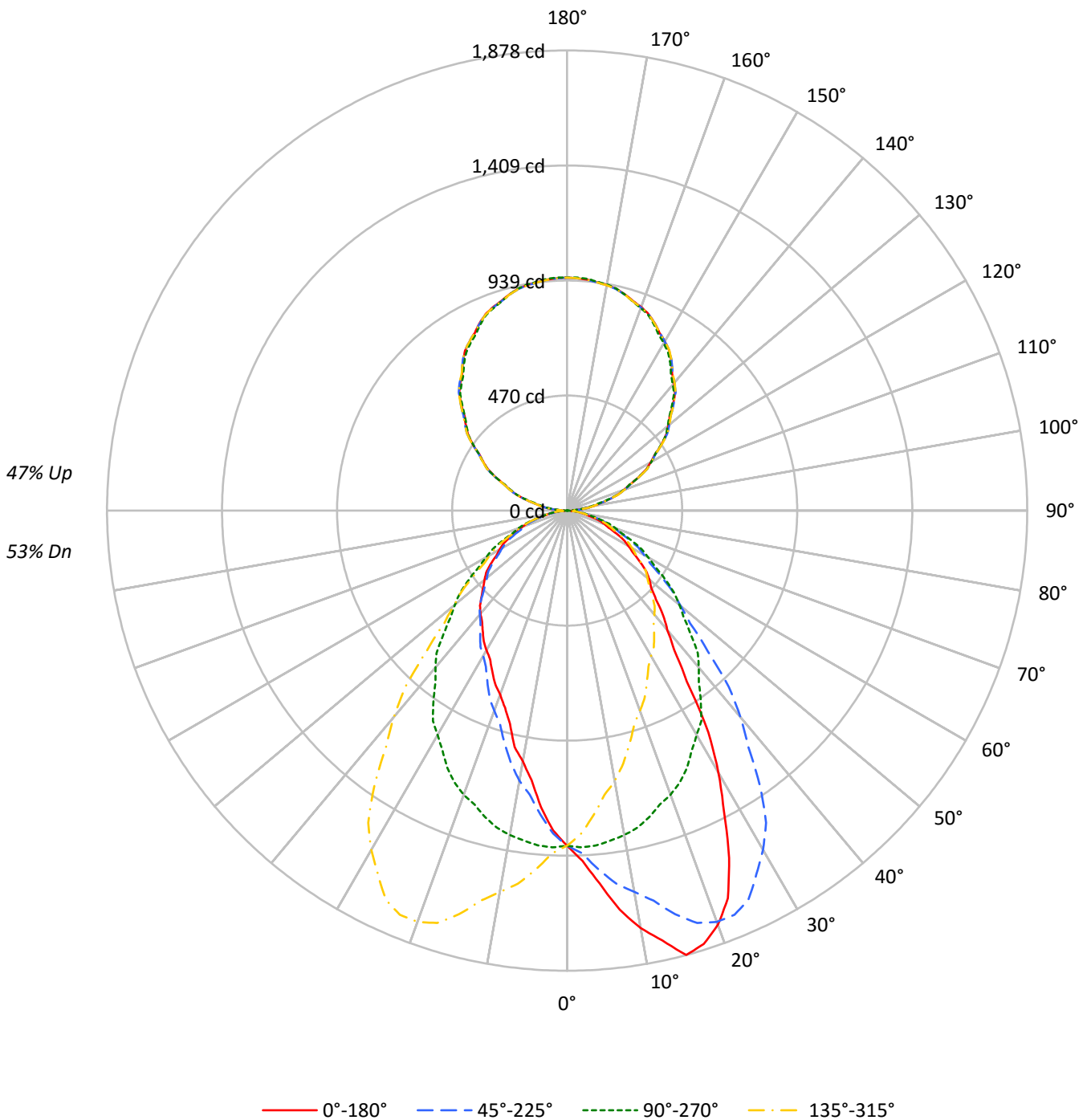
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	85	85	72	72	72	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	61	53	52	51	46
2	91	83	77	73	84	78	72	68	67	63	60	57	54	51	47	45	44	39
3	83	74	67	61	77	69	63	58	59	55	51	50	47	44	42	40	38	34
4	76	66	58	52	70	61	54	49	53	48	44	45	41	38	38	35	33	29
5	70	59	51	45	65	55	48	43	48	42	38	41	37	33	35	32	29	26
6	65	53	45	39	60	50	43	37	43	38	33	37	33	30	32	28	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	44	36	31	52	41	34	29	36	31	27	31	27	24	27	23	21	19
9	52	40	33	28	48	38	31	26	33	28	24	29	25	21	25	21	19	17
10	49	37	30	25	45	35	28	24	31	25	22	27	23	20	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22083	22083	22083	22083
5°	24759	22227	19697	22227
10°	28370	22046	17046	22046
15°	31385	21641	15059	21641
20°	30907	21206	13728	21206
25°	27868	20630	12886	20630
30°	23029	19708	12269	19708
35°	16783	18743	11832	18743
40°	13405	17606	11590	17606
45°	11714	16287	11259	16287
50°	11012	15013	11037	15013
55°	10151	13717	10742	13717
60°	9300	12339	10285	12339
65°	8474	11106	9838	11106
70°	7695	9904	9182	9904
75°	6818	8559	8135	8559
80°	5867	7085	6546	7085
85°	5261	5261	3890	5261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	2.3
10°-20°	378.7	6.7
20°-30°	549.6	9.7
30°-40°	579.9	10.2
40°-50°	513.5	9.0
50°-60°	409.8	7.2
60°-70°	278.5	4.9
70°-80°	142.8	2.5
80°-90°	38.2	0.7
90°-100°	60.2	1.1
100°-110°	187.1	3.3
110°-120°	319.9	5.6
120°-130°	420.6	7.4
130°-140°	472.1	8.3
140°-150°	462.9	8.1
150°-160°	388.3	6.8
160°-170°	257.5	4.5
170°-180°	90.0	1.6
0°-30°	1058.5	18.6
0°-40°	1638.5	28.8
0°-60°	2561.8	45.1
0°-90°	3021.3	53.2
90°-120°	567.2	10.0
90°-150°	1922.8	33.9
90°-180°	2659.0	46.8
0°-180°	5679.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1368	1368	1368	1368	1368	
5°	1528	1371	1215	1371	1528	153
15°	1878	1295	901	1295	1878	518
25°	1564	1158	723	1158	1564	707
35°	852	951	600	951	852	554
45°	513	713	493	713	513	403
55°	361	487	382	487	361	323
65°	222	291	258	291	222	221
75°	109	137	130	137	109	117
85°	28	28	21	28	28	32
90°	27	1	27	1	27	13
95°	50	42	50	42	50	55
105°	178	172	178	172	178	187
115°	321	321	321	321	321	317
125°	469	467	469	467	469	418
135°	611	604	611	604	611	471
145°	741	733	741	733	741	463
155°	845	838	845	838	845	389
165°	913	912	913	912	913	258
175°	946	949	946	949	946	90
180°	951	951	951	951	951	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1430.8	1431.2	1432.1	1425.4	1424.5	1424.5	1418.6	1413.6	1407.7	1399.7	1400.6
5°	1527.6	1533.3	1535.4	1529.1	1519.6	1518.6	1509.7	1494.9	1481.3	1470.2	1462.4
7.5°	1643.0	1645.3	1640.1	1631.8	1624.8	1612.2	1595.5	1579.3	1556.5	1535.6	1520.0
10°	1730.4	1733.6	1724.7	1712.5	1702.6	1687.8	1663.7	1638.9	1609.0	1580.1	1557.0
12.5°	1796.9	1804.7	1793.2	1791.6	1774.5	1754.3	1725.5	1713.0	1670.9	1630.5	1605.8
15°	1877.6	1877.1	1878.2	1868.1	1855.5	1852.4	1821.9	1788.8	1729.4	1705.7	1664.8
17.5°	1854.3	1862.3	1866.0	1865.8	1865.5	1863.5	1853.8	1832.9	1803.1	1764.7	1717.4
20°	1798.8	1809.3	1810.8	1823.0	1829.8	1838.7	1842.4	1836.6	1818.2	1786.1	1745.2
22.5°	1713.0	1715.9	1720.9	1739.7	1754.5	1776.9	1788.6	1808.0	1800.9	1785.3	1751.0
25°	1564.3	1559.1	1577.5	1586.9	1621.1	1656.8	1682.6	1711.0	1736.2	1751.4	1741.5
27.5°	1385.8	1377.9	1405.5	1430.6	1458.3	1497.1	1537.2	1584.6	1624.1	1673.3	1690.3
30°	1235.2	1240.0	1266.3	1293.1	1335.1	1389.8	1435.0	1487.1	1543.3	1598.5	1636.9
32.5°	1072.9	1091.2	1107.8	1148.8	1185.9	1246.8	1313.0	1378.2	1448.3	1511.0	1570.4
35°	851.5	872.6	895.7	925.7	977.7	1038.2	1102.8	1190.6	1286.3	1372.0	1442.4
37.5°	716.8	713.4	726.7	748.3	790.4	839.2	913.7	1000.4	1113.0	1213.7	1313.0
40°	636.0	633.9	643.4	663.4	695.5	731.2	796.4	872.6	977.2	1100.2	1218.5
42.5°	580.5	581.8	587.0	601.1	623.1	652.5	701.3	766.2	862.0	977.8	1104.9
45°	513.0	516.7	522.5	529.3	541.9	566.1	593.4	639.7	715.4	812.1	937.2
47.5°	464.5	464.5	470.5	476.4	483.9	497.6	519.8	548.9	602.3	681.0	788.6
50°	438.4	434.7	438.9	443.6	451.5	461.0	475.7	503.0	538.8	602.4	692.3
52.5°	406.5	406.5	410.4	412.1	419.1	428.6	442.0	461.0	493.4	543.1	617.0
55°	360.6	363.2	365.4	368.4	374.8	381.6	392.1	404.7	430.0	467.3	522.0
57.5°	317.5	318.3	320.4	326.5	330.4	336.8	346.7	358.1	374.5	402.2	443.3
60°	288.0	288.0	292.2	294.9	300.2	306.4	314.3	325.3	340.1	362.7	395.9
62.5°	261.2	260.7	262.4	266.7	270.7	276.6	284.5	293.8	307.7	327.8	355.1
65°	221.8	220.8	223.9	225.0	229.2	235.0	241.3	251.3	262.3	277.0	301.2
67.5°	183.9	185.2	187.0	188.9	191.2	197.3	201.5	208.6	217.9	230.1	246.5
70°	163.0	163.0	163.0	164.5	167.7	170.9	175.1	180.9	189.7	200.3	215.0
72.5°	139.4	141.1	142.8	141.8	145.8	147.7	152.7	156.0	164.5	171.3	184.3
75°	109.3	109.3	109.3	111.9	113.5	115.1	118.3	121.4	125.6	134.0	140.9
77.5°	81.6	81.4	81.9	82.5	84.2	86.1	87.1	89.9	93.8	97.7	103.5
80°	63.1	64.2	64.6	65.7	65.7	66.8	67.3	71.0	73.6	76.2	79.9
82.5°	48.8	49.0	49.1	49.3	49.7	50.4	51.7	52.9	53.8	56.0	58.9
85°	28.4	27.9	27.9	28.9	28.4	28.4	29.5	30.5	30.5	31.0	32.6
87.5°	16.4	16.3	16.7	16.3	16.2	16.7	16.8	16.4	16.9	17.4	17.0
90°	27.3	27.1	26.9	26.8	26.5	26.6	27.0	27.3	27.7	28.0	24.2
92.5°	26.0	26.0	25.9	25.9	25.8	25.8	25.7	25.7	25.6	25.5	24.6
95°	49.7	50.1	50.5	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.0
97.5°	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	85.6
100°	110.0	110.1	110.3	110.4	110.7	110.7	110.7	110.7	110.7	110.7	110.2
102.5°	136.9	137.0	137.2	137.4	137.6	137.6	137.4	137.4	137.2	137.0	136.3
105°	178.2	178.2	178.2	178.2	178.2	177.9	177.6	177.2	176.9	176.5	176.2
107.5°	217.0	217.8	218.6	219.4	220.2	220.5	220.5	220.3	220.1	220.0	220.0
110°	247.2	247.6	248.2	248.7	249.3	249.5	249.5	249.5	249.5	249.5	249.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	276.0	276.4	276.8	277.2	277.6	278.0	278.5	278.8	279.2	279.7	279.9
115°	320.9	321.5	322.0	322.6	323.1	323.4	323.6	323.8	324.0	324.2	324.5
117.5°	363.8	364.3	364.9	365.4	365.9	366.4	366.9	367.3	367.7	368.1	369.2
120°	394.0	394.5	395.1	395.5	396.1	396.4	396.4	396.4	396.4	396.4	397.8
122.5°	423.5	423.9	424.3	424.7	425.1	425.5	425.9	426.4	426.7	427.1	428.2
125°	468.6	468.7	469.0	469.1	469.3	469.7	470.2	470.7	471.3	471.8	472.3
127.5°	509.7	510.2	510.8	511.4	511.9	512.5	513.2	513.8	514.4	515.2	515.8
130°	539.2	539.9	540.6	541.3	542.0	542.6	543.0	543.3	543.7	544.0	544.4
132.5°	567.4	568.0	568.5	569.2	569.7	570.4	571.2	572.0	572.7	573.5	573.5
135°	611.4	612.0	612.4	613.0	613.5	613.9	614.1	614.3	614.4	614.6	614.3
137.5°	651.2	651.9	652.6	653.3	654.0	654.5	654.7	654.7	654.9	655.1	654.6
140°	678.8	679.5	680.2	681.0	681.7	682.0	682.0	682.0	682.0	682.0	681.1
142.5°	703.9	704.6	705.3	706.0	706.7	706.9	706.9	706.7	706.5	706.4	705.8
145°	741.4	742.1	742.8	743.5	744.3	744.5	744.3	744.2	743.9	743.8	742.8
147.5°	774.9	775.6	776.3	777.0	777.6	777.8	777.4	777.0	776.6	776.2	775.5
150°	796.8	797.3	797.8	798.4	798.9	798.9	798.4	797.8	797.3	796.8	796.1
152.5°	817.3	817.9	818.6	819.4	820.0	820.0	819.4	818.6	817.9	817.3	816.4
155°	844.9	845.4	846.0	846.5	847.0	846.8	846.0	845.1	844.1	843.3	842.7
157.5°	868.6	869.5	870.4	871.2	872.0	871.9	870.7	869.5	868.2	867.0	866.7
160°	883.4	884.2	884.9	885.6	886.3	886.1	885.0	883.9	882.9	881.8	881.6
162.5°	896.3	897.1	897.9	898.8	899.7	899.5	898.3	897.1	895.9	894.6	894.5
165°	913.1	914.0	914.9	915.8	916.6	916.5	915.2	914.0	912.8	911.5	911.5
167.5°	926.9	927.8	928.8	929.7	930.6	930.4	929.2	928.0	926.7	925.4	925.5
170°	934.0	935.0	936.1	937.2	938.3	938.2	936.9	935.6	934.4	933.2	933.3
172.5°	939.8	940.8	941.9	942.9	944.0	943.9	942.7	941.4	940.2	938.9	939.1
175°	946.0	947.1	948.2	949.2	950.3	950.1	949.0	947.7	946.4	945.2	945.5
177.5°	948.9	949.7	950.6	951.4	952.3	952.3	951.4	950.6	949.7	948.9	949.2
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1403.5	1400.1	1398.0	1390.4	1383.7	1377.0	1374.9	1375.7	1366.5	1357.6	1353.8
5°	1458.2	1447.6	1437.7	1423.5	1406.7	1388.2	1378.8	1371.4	1353.0	1333.1	1321.5
7.5°	1507.1	1492.1	1472.9	1446.2	1421.7	1392.7	1374.4	1358.0	1331.2	1303.0	1285.7
10°	1537.0	1516.5	1491.8	1459.2	1429.3	1394.0	1369.3	1344.7	1313.0	1279.5	1258.4
12.5°	1562.7	1535.0	1510.7	1468.9	1433.5	1389.4	1360.1	1325.2	1292.0	1252.1	1231.5
15°	1623.7	1572.7	1526.5	1479.2	1435.5	1374.0	1341.5	1294.7	1251.0	1201.7	1178.0
17.5°	1671.0	1613.7	1540.8	1480.7	1429.7	1361.7	1313.8	1257.7	1206.2	1149.7	1117.5
20°	1697.9	1632.1	1553.8	1482.3	1421.3	1343.5	1291.5	1234.2	1173.8	1110.2	1075.5
22.5°	1713.8	1644.7	1567.3	1476.0	1404.5	1328.8	1263.4	1200.6	1139.3	1070.6	1034.3
25°	1718.9	1655.8	1573.8	1470.8	1383.5	1297.8	1219.0	1158.0	1083.9	1019.8	966.7
27.5°	1693.8	1648.6	1569.8	1460.9	1359.2	1259.0	1171.2	1102.1	1023.9	954.3	900.9
30°	1663.2	1636.9	1560.1	1450.8	1339.9	1232.2	1135.4	1057.1	979.3	908.9	854.2
32.5°	1615.7	1610.0	1542.5	1436.5	1319.3	1198.1	1098.0	1018.8	932.6	863.4	811.3
35°	1522.3	1547.5	1504.9	1404.5	1280.5	1149.6	1041.3	950.9	861.6	795.3	746.4
37.5°	1397.2	1459.8	1448.7	1357.7	1228.1	1096.9	977.3	882.8	797.6	730.8	682.8
40°	1311.0	1390.8	1402.4	1322.0	1191.1	1056.1	929.4	835.3	752.2	691.3	642.9
42.5°	1218.5	1311.8	1343.5	1279.1	1150.7	1013.1	886.5	789.0	706.8	647.5	604.6
45°	1063.4	1186.9	1244.2	1207.4	1083.4	942.5	812.1	713.3	638.7	583.0	549.9
47.5°	918.4	1053.4	1130.4	1117.5	1008.4	868.9	740.0	645.2	572.5	528.1	498.4
50°	815.8	954.6	1047.6	1051.9	954.6	816.3	687.1	597.7	530.9	489.4	465.2
52.5°	726.7	859.1	960.6	982.9	894.5	761.7	639.5	550.6	491.8	453.6	432.0
55°	610.3	722.2	834.7	875.8	804.8	678.6	565.6	487.3	432.1	405.8	386.9
57.5°	507.4	600.7	704.6	749.9	706.2	598.2	492.2	424.2	379.4	356.4	341.9
60°	453.1	526.7	619.2	673.4	635.5	539.3	446.8	382.1	345.4	324.9	311.2
62.5°	402.7	467.9	546.1	595.6	575.0	484.3	401.4	344.3	312.5	293.3	283.4
65°	332.2	383.7	444.2	489.9	476.3	407.3	339.6	290.7	265.5	250.2	242.3
67.5°	273.5	310.8	352.7	392.8	381.8	333.0	278.5	240.4	221.7	208.5	203.7
70°	236.5	264.9	302.2	334.3	325.3	285.4	242.3	209.8	193.5	182.4	177.7
72.5°	201.2	224.6	253.0	279.2	273.2	240.0	204.1	179.4	166.9	156.8	152.9
75°	151.9	169.8	187.1	204.5	202.9	177.1	156.1	137.2	127.2	119.3	117.7
77.5°	112.2	122.2	134.0	144.3	141.4	126.7	110.2	99.3	92.0	86.7	85.9
80°	85.7	91.5	99.9	107.3	103.5	97.3	84.1	76.2	71.0	65.7	63.6
82.5°	62.1	67.9	73.0	76.9	74.1	68.2	60.1	54.7	51.7	48.0	47.2
85°	32.6	35.7	37.9	38.9	37.9	34.1	30.5	28.4	25.7	24.2	23.7
87.5°	16.6	15.8	15.1	15.4	13.6	13.2	11.1	9.4	9.4	9.4	9.0
90°	20.2	16.3	12.4	9.3	7.2	5.1	2.9	0.8	2.9	5.1	7.2
92.5°	23.7	22.7	21.8	20.6	19.0	17.4	15.8	14.3	15.8	17.4	19.0
95°	50.6	50.3	49.9	48.9	47.1	45.3	43.5	41.7	43.5	45.3	47.1
97.5°	85.0	84.3	83.7	82.5	81.0	79.4	77.8	76.2	77.8	79.4	81.0
100°	109.6	109.1	108.6	107.6	106.2	104.7	103.3	101.9	103.3	104.7	106.2
102.5°	135.7	135.0	134.4	133.4	132.3	131.1	130.0	128.9	130.0	131.1	132.3
105°	175.8	175.5	175.1	174.7	174.1	173.6	173.0	172.5	173.0	173.6	174.1
107.5°	220.0	220.0	220.0	219.6	218.8	218.0	217.3	216.5	217.3	218.0	218.8
110°	249.5	249.5	249.5	249.0	248.0	246.8	245.8	244.7	245.8	246.8	248.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.0	280.1	280.3	279.8	278.8	277.7	276.6	275.5	276.6	277.7	278.8
115°	324.9	325.2	325.6	325.2	324.2	323.1	322.0	320.9	322.0	323.1	324.2
117.5°	370.1	371.1	372.1	371.9	370.5	369.1	367.7	366.2	367.7	369.1	370.5
120°	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4	397.8	399.3	400.7
122.5°	429.2	430.2	431.2	430.8	429.1	427.4	425.7	424.0	425.7	427.4	429.1
125°	472.9	473.4	474.0	473.4	471.8	470.2	468.6	467.0	468.6	470.2	471.8
127.5°	516.4	517.1	517.7	517.0	515.0	512.9	510.9	508.9	510.9	512.9	515.0
130°	544.7	545.1	545.4	544.5	542.2	539.8	537.5	535.2	537.5	539.8	542.2
132.5°	573.4	573.3	573.2	572.3	570.4	568.5	566.6	564.7	566.6	568.5	570.4
135°	613.9	613.5	613.1	612.0	610.1	608.1	606.2	604.2	606.2	608.1	610.1
137.5°	654.1	653.6	653.2	652.1	650.5	649.0	647.4	645.7	647.4	649.0	650.5
140°	680.2	679.4	678.4	677.2	675.6	674.0	672.4	670.7	672.4	674.0	675.6
142.5°	705.2	704.6	704.0	702.9	701.2	699.7	698.1	696.5	698.1	699.7	701.2
145°	741.6	740.6	739.5	738.4	737.1	735.9	734.6	733.3	734.6	735.9	737.1
147.5°	774.8	774.0	773.3	772.2	770.7	769.3	767.8	766.3	767.8	769.3	770.7
150°	795.4	794.6	793.9	793.0	791.9	790.8	789.8	788.7	789.8	790.8	791.9
152.5°	815.6	814.8	813.9	812.9	811.8	810.8	809.7	808.7	809.7	810.8	811.8
155°	842.2	841.7	841.1	840.6	840.1	839.6	839.0	838.4	839.0	839.6	840.1
157.5°	866.4	866.1	865.8	865.4	865.1	864.7	864.4	864.0	864.4	864.7	865.1
160°	881.5	881.3	881.1	880.8	880.4	880.1	879.7	879.4	879.7	880.1	880.4
162.5°	894.3	894.1	893.9	893.8	893.7	893.7	893.6	893.5	893.6	893.7	893.7
165°	911.5	911.5	911.5	911.6	911.7	912.0	912.1	912.3	912.1	912.0	911.7
167.5°	925.5	925.6	925.6	925.9	926.4	926.9	927.5	928.0	927.5	926.9	926.4
170°	933.5	933.7	933.9	934.2	934.8	935.3	935.8	936.4	935.8	935.3	934.8
172.5°	939.3	939.4	939.6	940.0	940.6	941.0	941.6	942.1	941.6	941.0	940.6
175°	945.9	946.3	946.6	947.1	947.6	948.2	948.6	949.2	948.6	948.2	947.6
177.5°	949.4	949.7	950.0	950.4	950.8	951.3	951.6	952.1	951.6	951.3	950.8
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331568-927

CATALOG NUMBER: S122DIW-S865D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1349.6	1347.1	1338.3	1333.7	1326.1	1319.0	1314.3	1316.4	1318.1	1317.2	1316.1
5°	1311.0	1301.0	1285.7	1272.6	1263.1	1245.8	1238.4	1234.8	1231.6	1227.9	1224.2
7.5°	1265.0	1249.2	1227.2	1208.6	1190.9	1169.3	1157.1	1149.7	1142.2	1133.9	1126.5
10°	1232.2	1210.1	1186.9	1160.6	1139.6	1120.1	1102.8	1091.2	1080.8	1070.7	1063.4
12.5°	1197.6	1172.2	1143.6	1107.6	1084.5	1056.7	1054.0	1033.6	1017.2	1011.1	1002.4
15°	1142.8	1107.0	1070.7	1028.2	1009.8	984.5	968.8	953.0	938.8	928.8	926.2
17.5°	1080.5	1034.2	998.1	967.5	937.3	911.5	897.0	884.4	872.7	859.4	857.5
20°	1032.9	992.9	953.5	926.7	895.7	869.4	851.5	838.9	828.9	821.1	814.2
22.5°	987.9	944.2	908.1	878.8	848.2	827.0	812.9	800.7	792.3	783.6	777.2
25°	915.7	881.5	842.1	809.0	783.7	770.1	758.5	748.0	742.8	737.0	729.6
27.5°	852.5	814.5	777.7	752.0	729.8	717.7	709.6	702.3	697.4	694.0	689.8
30°	807.9	769.5	740.6	715.4	697.0	684.9	679.7	675.5	669.7	667.6	665.5
32.5°	765.0	730.5	705.8	683.9	666.3	658.5	653.6	649.8	645.3	643.2	639.0
35°	704.4	675.5	651.3	639.2	625.0	618.1	614.5	609.3	605.0	602.9	602.4
37.5°	647.3	622.2	606.3	590.7	584.7	580.5	575.5	571.9	570.6	570.3	569.8
40°	610.3	589.8	575.6	563.0	560.3	554.1	549.9	546.7	546.7	547.2	546.7
42.5°	576.6	558.3	545.7	534.8	531.7	528.0	523.8	523.6	524.4	526.2	524.4
45°	525.6	512.5	503.6	498.3	492.5	488.9	488.3	489.9	490.4	491.0	492.5
47.5°	478.8	470.0	461.9	456.1	453.6	453.0	452.3	455.1	457.6	458.6	461.0
50°	451.0	441.0	434.2	430.5	428.4	427.4	428.4	431.6	433.6	436.3	437.8
52.5°	419.9	412.8	408.1	405.3	404.4	405.0	405.3	408.8	412.3	413.1	413.9
55°	376.9	371.6	370.6	365.8	368.0	367.4	370.0	372.2	375.3	378.5	379.0
57.5°	334.0	329.8	326.9	327.4	328.0	330.3	332.6	336.2	339.6	342.9	343.3
60°	305.4	303.3	301.7	301.7	302.8	305.9	308.6	312.2	314.3	316.5	318.0
62.5°	279.3	277.3	275.7	276.5	279.2	281.1	284.2	286.1	288.3	290.3	291.1
65°	238.1	237.1	238.7	239.7	240.2	242.9	246.5	248.1	250.2	251.3	254.9
67.5°	200.2	200.3	200.2	201.6	204.7	205.3	208.8	212.5	212.9	214.9	217.3
70°	174.5	175.5	176.7	177.7	180.3	181.3	183.9	185.5	187.7	189.3	190.8
72.5°	151.0	151.1	152.3	152.0	154.2	156.5	158.8	160.3	162.4	164.5	166.0
75°	116.1	116.1	117.2	117.7	120.4	123.0	122.5	123.5	125.6	127.7	128.8
77.5°	84.8	83.7	84.8	85.4	86.2	88.4	88.8	90.3	92.7	92.0	93.2
80°	64.6	63.1	64.6	65.2	65.2	67.8	67.8	68.8	70.4	68.8	70.4
82.5°	46.2	45.4	46.6	46.7	47.5	47.6	48.5	48.6	50.2	49.5	50.2
85°	23.1	22.6	23.1	22.6	23.1	23.7	23.7	23.1	23.1	24.2	22.6
87.5°	9.0	9.2	9.6	10.4	10.7	11.1	10.6	10.5	10.5	9.5	9.5
90°	9.3	12.4	16.3	20.2	24.2	28.0	27.7	27.3	27.0	26.6	26.5
92.5°	20.6	21.8	22.7	23.7	24.6	25.5	25.6	25.7	25.7	25.8	25.8
95°	48.9	49.9	50.3	50.6	51.0	51.3	51.3	51.3	51.3	51.3	51.2
97.5°	82.5	83.7	84.3	85.0	85.6	86.3	86.3	86.3	86.3	86.3	86.3
100°	107.6	108.6	109.1	109.6	110.2	110.7	110.7	110.7	110.7	110.7	110.7
102.5°	133.4	134.4	135.0	135.7	136.3	137.0	137.2	137.4	137.4	137.6	137.6
105°	174.7	175.1	175.5	175.8	176.2	176.5	176.9	177.2	177.6	177.9	178.2
107.5°	219.6	220.0	220.0	220.0	220.0	220.0	220.1	220.3	220.5	220.5	220.2
110°	249.0	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	279.8	280.3	280.1	280.0	279.9	279.7	279.2	278.8	278.5	278.0	277.6
115°	325.2	325.6	325.2	324.9	324.5	324.2	324.0	323.8	323.6	323.4	323.1
117.5°	371.9	372.1	371.1	370.1	369.2	368.1	367.7	367.3	366.9	366.4	365.9
120°	402.1	402.1	400.7	399.3	397.8	396.4	396.4	396.4	396.4	396.4	396.1
122.5°	430.8	431.2	430.2	429.2	428.2	427.1	426.7	426.4	425.9	425.5	425.1
125°	473.4	474.0	473.4	472.9	472.3	471.8	471.3	470.7	470.2	469.7	469.3
127.5°	517.0	517.7	517.1	516.4	515.8	515.2	514.4	513.8	513.2	512.5	511.9
130°	544.5	545.4	545.1	544.7	544.4	544.0	543.7	543.3	543.0	542.6	542.0
132.5°	572.3	573.2	573.3	573.4	573.5	573.5	572.7	572.0	571.2	570.4	569.7
135°	612.0	613.1	613.5	613.9	614.3	614.6	614.4	614.3	614.1	613.9	613.5
137.5°	652.1	653.2	653.6	654.1	654.6	655.1	654.9	654.7	654.7	654.5	654.0
140°	677.2	678.4	679.4	680.2	681.1	682.0	682.0	682.0	682.0	682.0	681.7
142.5°	702.9	704.0	704.6	705.2	705.8	706.4	706.5	706.7	706.9	706.9	706.7
145°	738.4	739.5	740.6	741.6	742.8	743.8	743.9	744.2	744.3	744.5	744.3
147.5°	772.2	773.3	774.0	774.8	775.5	776.2	776.6	777.0	777.4	777.8	777.6
150°	793.0	793.9	794.6	795.4	796.1	796.8	797.3	797.8	798.4	798.9	798.9
152.5°	812.9	813.9	814.8	815.6	816.4	817.3	817.9	818.6	819.4	820.0	820.0
155°	840.6	841.1	841.7	842.2	842.7	843.3	844.1	845.1	846.0	846.8	847.0
157.5°	865.4	865.8	866.1	866.4	866.7	867.0	868.2	869.5	870.7	871.9	872.0
160°	880.8	881.1	881.3	881.5	881.6	881.8	882.9	883.9	885.0	886.1	886.3
162.5°	893.8	893.9	894.1	894.3	894.5	894.6	895.9	897.1	898.3	899.5	899.7
165°	911.6	911.5	911.5	911.5	911.5	911.5	912.8	914.0	915.2	916.5	916.6
167.5°	925.9	925.6	925.6	925.5	925.5	925.4	926.7	928.0	929.2	930.4	930.6
170°	934.2	933.9	933.7	933.5	933.3	933.2	934.4	935.6	936.9	938.2	938.3
172.5°	940.0	939.6	939.4	939.3	939.1	938.9	940.2	941.4	942.7	943.9	944.0
175°	947.1	946.6	946.3	945.9	945.5	945.2	946.4	947.7	949.0	950.1	950.3
177.5°	950.4	950.0	949.7	949.4	949.2	948.9	949.7	950.6	951.4	952.3	952.3
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331568-927

CATALOG NUMBER: S122DIW-S865D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1311.8	1311.0	1311.0	1307.2	1311.0	1311.0	1311.8	1316.1	1317.2	1318.1	1316.4
5°	1216.9	1215.3	1212.7	1215.3	1212.7	1215.3	1216.9	1224.2	1227.9	1231.6	1234.8
7.5°	1123.0	1116.7	1115.7	1109.5	1115.7	1116.7	1123.0	1126.5	1133.9	1142.2	1149.7
10°	1054.5	1050.3	1049.7	1039.7	1049.7	1050.3	1054.5	1063.4	1070.7	1080.8	1091.2
12.5°	1002.3	992.2	994.2	988.4	994.2	992.2	1002.3	1002.4	1011.1	1017.2	1033.6
15°	912.0	912.0	909.9	900.9	909.9	912.0	912.0	926.2	928.8	938.8	953.0
17.5°	847.2	846.1	841.1	843.6	841.1	846.1	847.2	857.5	859.4	872.7	884.4
20°	808.4	805.3	799.0	799.0	799.0	805.3	808.4	814.2	821.1	828.9	838.9
22.5°	771.9	771.7	764.9	767.0	764.9	771.7	771.9	777.2	783.6	792.3	800.7
25°	729.0	724.8	721.8	723.3	721.8	724.8	729.0	729.6	737.0	742.8	748.0
27.5°	688.5	686.2	686.0	681.7	686.0	686.2	688.5	689.8	694.0	697.4	702.3
30°	665.0	659.7	660.8	658.1	660.8	659.7	665.0	665.5	667.6	669.7	675.5
32.5°	638.0	636.1	635.1	632.9	635.1	636.1	638.0	639.0	643.2	645.3	649.8
35°	601.3	601.9	599.2	600.3	599.2	601.9	601.3	602.4	602.9	605.0	609.3
37.5°	569.3	570.9	569.7	570.1	569.7	570.9	569.3	569.8	570.3	570.6	571.9
40°	548.3	548.3	548.3	549.9	548.3	548.3	548.3	546.7	547.2	546.7	546.7
42.5°	528.1	527.2	526.4	526.2	526.4	527.2	528.1	524.4	526.2	524.4	523.6
45°	493.6	495.2	495.7	493.1	495.7	495.2	493.6	492.5	491.0	490.4	489.9
47.5°	462.4	462.6	462.4	464.7	462.4	462.6	462.4	461.0	458.6	457.6	455.1
50°	440.5	439.4	440.5	439.4	440.5	439.4	440.5	437.8	436.3	433.6	431.6
52.5°	417.4	417.6	416.9	416.8	416.9	417.6	417.4	413.9	413.1	412.3	408.8
55°	381.1	382.1	381.6	381.6	381.6	382.1	381.1	379.0	378.5	375.3	372.2
57.5°	343.6	344.5	345.2	342.9	345.2	344.5	343.6	343.3	342.9	339.6	336.2
60°	317.5	320.1	319.6	318.5	319.6	320.1	317.5	318.0	316.5	314.3	312.2
62.5°	293.5	294.5	294.4	294.1	294.4	294.5	293.5	291.1	290.3	288.3	286.1
65°	256.5	257.5	256.0	257.5	256.0	257.5	256.5	254.9	251.3	250.2	248.1
67.5°	216.7	217.0	218.2	218.9	218.2	217.0	216.7	217.3	214.9	212.9	212.5
70°	191.9	191.3	192.9	194.5	192.9	191.3	191.9	190.8	189.3	187.7	185.5
72.5°	165.8	166.9	166.4	167.5	166.4	166.9	165.8	166.0	164.5	162.4	160.3
75°	127.7	129.3	128.8	130.4	128.8	129.3	127.7	128.8	127.7	125.6	123.5
77.5°	92.3	92.5	92.3	93.2	92.3	92.5	92.3	93.2	92.0	92.7	90.3
80°	70.4	69.4	68.4	70.4	68.4	69.4	70.4	70.4	68.8	70.4	68.8
82.5°	49.0	49.6	48.6	48.6	48.6	49.6	49.0	50.2	49.5	50.2	48.6
85°	22.6	22.1	21.0	21.0	21.0	22.1	22.6	22.6	24.2	23.1	23.1
87.5°	9.6	9.2	9.2	8.8	9.2	9.2	9.6	9.5	9.5	10.5	10.5
90°	26.8	26.9	27.1	27.3	27.1	26.9	26.8	26.5	26.6	27.0	27.3
92.5°	25.9	25.9	26.0	26.0	26.0	25.9	25.9	25.8	25.8	25.7	25.7
95°	50.8	50.5	50.1	49.7	50.1	50.5	50.8	51.2	51.3	51.3	51.3
97.5°	86.3	86.3	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
100°	110.4	110.3	110.1	110.0	110.1	110.3	110.4	110.7	110.7	110.7	110.7
102.5°	137.4	137.2	137.0	136.9	137.0	137.2	137.4	137.6	137.6	137.4	137.4
105°	178.2	178.2	178.2	178.2	178.2	178.2	178.2	178.2	177.9	177.6	177.2
107.5°	219.4	218.6	217.8	217.0	217.8	218.6	219.4	220.2	220.5	220.5	220.3
110°	248.7	248.2	247.6	247.2	247.6	248.2	248.7	249.3	249.5	249.5	249.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	277.2	276.8	276.4	276.0	276.4	276.8	277.2	277.6	278.0	278.5	278.8
115°	322.6	322.0	321.5	320.9	321.5	322.0	322.6	323.1	323.4	323.6	323.8
117.5°	365.4	364.9	364.3	363.8	364.3	364.9	365.4	365.9	366.4	366.9	367.3
120°	395.5	395.1	394.5	394.0	394.5	395.1	395.5	396.1	396.4	396.4	396.4
122.5°	424.7	424.3	423.9	423.5	423.9	424.3	424.7	425.1	425.5	425.9	426.4
125°	469.1	469.0	468.7	468.6	468.7	469.0	469.1	469.3	469.7	470.2	470.7
127.5°	511.4	510.8	510.2	509.7	510.2	510.8	511.4	511.9	512.5	513.2	513.8
130°	541.3	540.6	539.9	539.2	539.9	540.6	541.3	542.0	542.6	543.0	543.3
132.5°	569.2	568.5	568.0	567.4	568.0	568.5	569.2	569.7	570.4	571.2	572.0
135°	613.0	612.4	612.0	611.4	612.0	612.4	613.0	613.5	613.9	614.1	614.3
137.5°	653.3	652.6	651.9	651.2	651.9	652.6	653.3	654.0	654.5	654.7	654.7
140°	681.0	680.2	679.5	678.8	679.5	680.2	681.0	681.7	682.0	682.0	682.0
142.5°	706.0	705.3	704.6	703.9	704.6	705.3	706.0	706.7	706.9	706.9	706.7
145°	743.5	742.8	742.1	741.4	742.1	742.8	743.5	744.3	744.5	744.3	744.2
147.5°	777.0	776.3	775.6	774.9	775.6	776.3	777.0	777.6	777.8	777.4	777.0
150°	798.4	797.8	797.3	796.8	797.3	797.8	798.4	798.9	798.9	798.4	797.8
152.5°	819.4	818.6	817.9	817.3	817.9	818.6	819.4	820.0	820.0	819.4	818.6
155°	846.5	846.0	845.4	844.9	845.4	846.0	846.5	847.0	846.8	846.0	845.1
157.5°	871.2	870.4	869.5	868.6	869.5	870.4	871.2	872.0	871.9	870.7	869.5
160°	885.6	884.9	884.2	883.4	884.2	884.9	885.6	886.3	886.1	885.0	883.9
162.5°	898.8	897.9	897.1	896.3	897.1	897.9	898.8	899.7	899.5	898.3	897.1
165°	915.8	914.9	914.0	913.1	914.0	914.9	915.8	916.6	916.5	915.2	914.0
167.5°	929.7	928.8	927.8	926.9	927.8	928.8	929.7	930.6	930.4	929.2	928.0
170°	937.2	936.1	935.0	934.0	935.0	936.1	937.2	938.3	938.2	936.9	935.6
172.5°	942.9	941.9	940.8	939.8	940.8	941.9	942.9	944.0	943.9	942.7	941.4
175°	949.2	948.2	947.1	946.0	947.1	948.2	949.2	950.3	950.1	949.0	947.7
177.5°	951.4	950.6	949.7	948.9	949.7	950.6	951.4	952.3	952.3	951.4	950.6
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1314.3	1319.0	1326.1	1333.7	1338.3	1347.1	1349.6	1353.8	1357.6	1366.5	1375.7
5°	1238.4	1245.8	1263.1	1272.6	1285.7	1301.0	1311.0	1321.5	1333.1	1353.0	1371.4
7.5°	1157.1	1169.3	1190.9	1208.6	1227.2	1249.2	1265.0	1285.7	1303.0	1331.2	1358.0
10°	1102.8	1120.1	1139.6	1160.6	1186.9	1210.1	1232.2	1258.4	1279.5	1313.0	1344.7
12.5°	1054.0	1056.7	1084.5	1107.6	1143.6	1172.2	1197.6	1231.5	1252.1	1292.0	1325.2
15°	968.8	984.5	1009.8	1028.2	1070.7	1107.0	1142.8	1178.0	1201.7	1251.0	1294.7
17.5°	897.0	911.5	937.3	967.5	998.1	1034.2	1080.5	1117.5	1149.7	1206.2	1257.7
20°	851.5	869.4	895.7	926.7	953.5	992.9	1032.9	1075.5	1110.2	1173.8	1234.2
22.5°	812.9	827.0	848.2	878.8	908.1	944.2	987.9	1034.3	1070.6	1139.3	1200.6
25°	758.5	770.1	783.7	809.0	842.1	881.5	915.7	966.7	1019.8	1083.9	1158.0
27.5°	709.6	717.7	729.8	752.0	777.7	814.5	852.5	900.9	954.3	1023.9	1102.1
30°	679.7	684.9	697.0	715.4	740.6	769.5	807.9	854.2	908.9	979.3	1057.1
32.5°	653.6	658.5	666.3	683.9	705.8	730.5	765.0	811.3	863.4	932.6	1018.8
35°	614.5	618.1	625.0	639.2	651.3	675.5	704.4	746.4	795.3	861.6	950.9
37.5°	575.5	580.5	584.7	590.7	606.3	622.2	647.3	682.8	730.8	797.6	882.8
40°	549.9	554.1	560.3	563.0	575.6	589.8	610.3	642.9	691.3	752.2	835.3
42.5°	523.8	528.0	531.7	534.8	545.7	558.3	576.6	604.6	647.5	706.8	789.0
45°	488.3	488.9	492.5	498.3	503.6	512.5	525.6	549.9	583.0	638.7	713.3
47.5°	452.3	453.0	453.6	456.1	461.9	470.0	478.8	498.4	528.1	572.5	645.2
50°	428.4	427.4	428.4	430.5	434.2	441.0	451.0	465.2	489.4	530.9	597.7
52.5°	405.3	405.0	404.4	405.3	408.1	412.8	419.9	432.0	453.6	491.8	550.6
55°	370.0	367.4	368.0	365.8	370.6	371.6	376.9	386.9	405.8	432.1	487.3
57.5°	332.6	330.3	328.0	327.4	326.9	329.8	334.0	341.9	356.4	379.4	424.2
60°	308.6	305.9	302.8	301.7	301.7	303.3	305.4	311.2	324.9	345.4	382.1
62.5°	284.2	281.1	279.2	276.5	275.7	277.3	279.3	283.4	293.3	312.5	344.3
65°	246.5	242.9	240.2	239.7	238.7	237.1	238.1	242.3	250.2	265.5	290.7
67.5°	208.8	205.3	204.7	201.6	200.2	200.3	200.2	203.7	208.5	221.7	240.4
70°	183.9	181.3	180.3	177.7	176.7	175.5	174.5	177.7	182.4	193.5	209.8
72.5°	158.8	156.5	154.2	152.0	152.3	151.1	151.0	152.9	156.8	166.9	179.4
75°	122.5	123.0	120.4	117.7	117.2	116.1	116.1	117.7	119.3	127.2	137.2
77.5°	88.8	88.4	86.2	85.4	84.8	83.7	84.8	85.9	86.7	92.0	99.3
80°	67.8	67.8	65.2	65.2	64.6	63.1	64.6	63.6	65.7	71.0	76.2
82.5°	48.5	47.6	47.5	46.7	46.6	45.4	46.2	47.2	48.0	51.7	54.7
85°	23.7	23.7	23.1	22.6	23.1	22.6	23.1	23.7	24.2	25.7	28.4
87.5°	10.6	11.1	10.7	10.4	9.6	9.2	9.0	9.0	9.4	9.4	9.4
90°	27.7	28.0	24.2	20.2	16.3	12.4	9.3	7.2	5.1	2.9	0.8
92.5°	25.6	25.5	24.6	23.7	22.7	21.8	20.6	19.0	17.4	15.8	14.3
95°	51.3	51.3	51.0	50.6	50.3	49.9	48.9	47.1	45.3	43.5	41.7
97.5°	86.3	86.3	85.6	85.0	84.3	83.7	82.5	81.0	79.4	77.8	76.2
100°	110.7	110.7	110.2	109.6	109.1	108.6	107.6	106.2	104.7	103.3	101.9
102.5°	137.2	137.0	136.3	135.7	135.0	134.4	133.4	132.3	131.1	130.0	128.9
105°	176.9	176.5	176.2	175.8	175.5	175.1	174.7	174.1	173.6	173.0	172.5
107.5°	220.1	220.0	220.0	220.0	220.0	220.0	219.6	218.8	218.0	217.3	216.5
110°	249.5	249.5	249.5	249.5	249.5	249.5	249.0	248.0	246.8	245.8	244.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	279.2	279.7	279.9	280.0	280.1	280.3	279.8	278.8	277.7	276.6	275.5
115°	324.0	324.2	324.5	324.9	325.2	325.6	325.2	324.2	323.1	322.0	320.9
117.5°	367.7	368.1	369.2	370.1	371.1	372.1	371.9	370.5	369.1	367.7	366.2
120°	396.4	396.4	397.8	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4
122.5°	426.7	427.1	428.2	429.2	430.2	431.2	430.8	429.1	427.4	425.7	424.0
125°	471.3	471.8	472.3	472.9	473.4	474.0	473.4	471.8	470.2	468.6	467.0
127.5°	514.4	515.2	515.8	516.4	517.1	517.7	517.0	515.0	512.9	510.9	508.9
130°	543.7	544.0	544.4	544.7	545.1	545.4	544.5	542.2	539.8	537.5	535.2
132.5°	572.7	573.5	573.5	573.4	573.3	573.2	572.3	570.4	568.5	566.6	564.7
135°	614.4	614.6	614.3	613.9	613.5	613.1	612.0	610.1	608.1	606.2	604.2
137.5°	654.9	655.1	654.6	654.1	653.6	653.2	652.1	650.5	649.0	647.4	645.7
140°	682.0	682.0	681.1	680.2	679.4	678.4	677.2	675.6	674.0	672.4	670.7
142.5°	706.5	706.4	705.8	705.2	704.6	704.0	702.9	701.2	699.7	698.1	696.5
145°	743.9	743.8	742.8	741.6	740.6	739.5	738.4	737.1	735.9	734.6	733.3
147.5°	776.6	776.2	775.5	774.8	774.0	773.3	772.2	770.7	769.3	767.8	766.3
150°	797.3	796.8	796.1	795.4	794.6	793.9	793.0	791.9	790.8	789.8	788.7
152.5°	817.9	817.3	816.4	815.6	814.8	813.9	812.9	811.8	810.8	809.7	808.7
155°	844.1	843.3	842.7	842.2	841.7	841.1	840.6	840.1	839.6	839.0	838.4
157.5°	868.2	867.0	866.7	866.4	866.1	865.8	865.4	865.1	864.7	864.4	864.0
160°	882.9	881.8	881.6	881.5	881.3	881.1	880.8	880.4	880.1	879.7	879.4
162.5°	895.9	894.6	894.5	894.3	894.1	893.9	893.8	893.7	893.7	893.6	893.5
165°	912.8	911.5	911.5	911.5	911.5	911.5	911.6	911.7	912.0	912.1	912.3
167.5°	926.7	925.4	925.5	925.5	925.6	925.6	925.9	926.4	926.9	927.5	928.0
170°	934.4	933.2	933.3	933.5	933.7	933.9	934.2	934.8	935.3	935.8	936.4
172.5°	940.2	938.9	939.1	939.3	939.4	939.6	940.0	940.6	941.0	941.6	942.1
175°	946.4	945.2	945.5	945.9	946.3	946.6	947.1	947.6	948.2	948.6	949.2
177.5°	949.7	948.9	949.2	949.4	949.7	950.0	950.4	950.8	951.3	951.6	952.1
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331568-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1374.9	1377.0	1383.7	1390.4	1398.0	1400.1	1403.5	1400.6	1399.7	1407.7	1413.6
5°	1378.8	1388.2	1406.7	1423.5	1437.7	1447.6	1458.2	1462.4	1470.2	1481.3	1494.9
7.5°	1374.4	1392.7	1421.7	1446.2	1472.9	1492.1	1507.1	1520.0	1535.6	1556.5	1579.3
10°	1369.3	1394.0	1429.3	1459.2	1491.8	1516.5	1537.0	1557.0	1580.1	1609.0	1638.9
12.5°	1360.1	1389.4	1433.5	1468.9	1510.7	1535.0	1562.7	1605.8	1630.5	1670.9	1713.0
15°	1341.5	1374.0	1435.5	1479.2	1526.5	1572.7	1623.7	1664.8	1705.7	1729.4	1788.8
17.5°	1313.8	1361.7	1429.7	1480.7	1540.8	1613.7	1671.0	1717.4	1764.7	1803.1	1832.9
20°	1291.5	1343.5	1421.3	1482.3	1553.8	1632.1	1697.9	1745.2	1786.1	1818.2	1836.6
22.5°	1263.4	1328.8	1404.5	1476.0	1567.3	1644.7	1713.8	1751.0	1785.3	1800.9	1808.0
25°	1219.0	1297.8	1383.5	1470.8	1573.8	1655.8	1718.9	1741.5	1751.4	1736.2	1711.0
27.5°	1171.2	1259.0	1359.2	1460.9	1569.8	1648.6	1693.8	1690.3	1673.3	1624.1	1584.6
30°	1135.4	1232.2	1339.9	1450.8	1560.1	1636.9	1663.2	1636.9	1598.5	1543.3	1487.1
32.5°	1098.0	1198.1	1319.3	1436.5	1542.5	1610.0	1615.7	1570.4	1511.0	1448.3	1378.2
35°	1041.3	1149.6	1280.5	1404.5	1504.9	1547.5	1522.3	1442.4	1372.0	1286.3	1190.6
37.5°	977.3	1096.9	1228.1	1357.7	1448.7	1459.8	1397.2	1313.0	1213.7	1113.0	1000.4
40°	929.4	1056.1	1191.1	1322.0	1402.4	1390.8	1311.0	1218.5	1100.2	977.2	872.6
42.5°	886.5	1013.1	1150.7	1279.1	1343.5	1311.8	1218.5	1104.9	977.8	862.0	766.2
45°	812.1	942.5	1083.4	1207.4	1244.2	1186.9	1063.4	937.2	812.1	715.4	639.7
47.5°	740.0	868.9	1008.4	1117.5	1130.4	1053.4	918.4	788.6	681.0	602.3	548.9
50°	687.1	816.3	954.6	1051.9	1047.6	954.6	815.8	692.3	602.4	538.8	503.0
52.5°	639.5	761.7	894.5	982.9	960.6	859.1	726.7	617.0	543.1	493.4	461.0
55°	565.6	678.6	804.8	875.8	834.7	722.2	610.3	522.0	467.3	430.0	404.7
57.5°	492.2	598.2	706.2	749.9	704.6	600.7	507.4	443.3	402.2	374.5	358.1
60°	446.8	539.3	635.5	673.4	619.2	526.7	453.1	395.9	362.7	340.1	325.3
62.5°	401.4	484.3	575.0	595.6	546.1	467.9	402.7	355.1	327.8	307.7	293.8
65°	339.6	407.3	476.3	489.9	444.2	383.7	332.2	301.2	277.0	262.3	251.3
67.5°	278.5	333.0	381.8	392.8	352.7	310.8	273.5	246.5	230.1	217.9	208.6
70°	242.3	285.4	325.3	334.3	302.2	264.9	236.5	215.0	200.3	189.7	180.9
72.5°	204.1	240.0	273.2	279.2	253.0	224.6	201.2	184.3	171.3	164.5	156.0
75°	156.1	177.1	202.9	204.5	187.1	169.8	151.9	140.9	134.0	125.6	121.4
77.5°	110.2	126.7	141.4	144.3	134.0	122.2	112.2	103.5	97.7	93.8	89.9
80°	84.1	97.3	103.5	107.3	99.9	91.5	85.7	79.9	76.2	73.6	71.0
82.5°	60.1	68.2	74.1	76.9	73.0	67.9	62.1	58.9	56.0	53.8	52.9
85°	30.5	34.1	37.9	38.9	37.9	35.7	32.6	32.6	31.0	30.5	30.5
87.5°	11.1	13.2	13.6	15.4	15.1	15.8	16.6	17.0	17.4	16.9	16.4
90°	2.9	5.1	7.2	9.3	12.4	16.3	20.2	24.2	28.0	27.7	27.3
92.5°	15.8	17.4	19.0	20.6	21.8	22.7	23.7	24.6	25.5	25.6	25.7
95°	43.5	45.3	47.1	48.9	49.9	50.3	50.6	51.0	51.3	51.3	51.3
97.5°	77.8	79.4	81.0	82.5	83.7	84.3	85.0	85.6	86.3	86.3	86.3
100°	103.3	104.7	106.2	107.6	108.6	109.1	109.6	110.2	110.7	110.7	110.7
102.5°	130.0	131.1	132.3	133.4	134.4	135.0	135.7	136.3	137.0	137.2	137.4
105°	173.0	173.6	174.1	174.7	175.1	175.5	175.8	176.2	176.5	176.9	177.2
107.5°	217.3	218.0	218.8	219.6	220.0	220.0	220.0	220.0	220.0	220.1	220.3
110°	245.8	246.8	248.0	249.0	249.5	249.5	249.5	249.5	249.5	249.5	249.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.6	277.7	278.8	279.8	280.3	280.1	280.0	279.9	279.7	279.2	278.8
115°	322.0	323.1	324.2	325.2	325.6	325.2	324.9	324.5	324.2	324.0	323.8
117.5°	367.7	369.1	370.5	371.9	372.1	371.1	370.1	369.2	368.1	367.7	367.3
120°	397.8	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4	396.4	396.4
122.5°	425.7	427.4	429.1	430.8	431.2	430.2	429.2	428.2	427.1	426.7	426.4
125°	468.6	470.2	471.8	473.4	474.0	473.4	472.9	472.3	471.8	471.3	470.7
127.5°	510.9	512.9	515.0	517.0	517.7	517.1	516.4	515.8	515.2	514.4	513.8
130°	537.5	539.8	542.2	544.5	545.4	545.1	544.7	544.4	544.0	543.7	543.3
132.5°	566.6	568.5	570.4	572.3	573.2	573.3	573.4	573.5	573.5	572.7	572.0
135°	606.2	608.1	610.1	612.0	613.1	613.5	613.9	614.3	614.6	614.4	614.3
137.5°	647.4	649.0	650.5	652.1	653.2	653.6	654.1	654.6	655.1	654.9	654.7
140°	672.4	674.0	675.6	677.2	678.4	679.4	680.2	681.1	682.0	682.0	682.0
142.5°	698.1	699.7	701.2	702.9	704.0	704.6	705.2	705.8	706.4	706.5	706.7
145°	734.6	735.9	737.1	738.4	739.5	740.6	741.6	742.8	743.8	743.9	744.2
147.5°	767.8	769.3	770.7	772.2	773.3	774.0	774.8	775.5	776.2	776.6	777.0
150°	789.8	790.8	791.9	793.0	793.9	794.6	795.4	796.1	796.8	797.3	797.8
152.5°	809.7	810.8	811.8	812.9	813.9	814.8	815.6	816.4	817.3	817.9	818.6
155°	839.0	839.6	840.1	840.6	841.1	841.7	842.2	842.7	843.3	844.1	845.1
157.5°	864.4	864.7	865.1	865.4	865.8	866.1	866.4	866.7	867.0	868.2	869.5
160°	879.7	880.1	880.4	880.8	881.1	881.3	881.5	881.6	881.8	882.9	883.9
162.5°	893.6	893.7	893.7	893.8	893.9	894.1	894.3	894.5	894.6	895.9	897.1
165°	912.1	912.0	911.7	911.6	911.5	911.5	911.5	911.5	911.5	912.8	914.0
167.5°	927.5	926.9	926.4	925.9	925.6	925.6	925.5	925.5	925.4	926.7	928.0
170°	935.8	935.3	934.8	934.2	933.9	933.7	933.5	933.3	933.2	934.4	935.6
172.5°	941.6	941.0	940.6	940.0	939.6	939.4	939.3	939.1	938.9	940.2	941.4
175°	948.6	948.2	947.6	947.1	946.6	946.3	945.9	945.5	945.2	946.4	947.7
177.5°	951.6	951.3	950.8	950.4	950.0	949.7	949.4	949.2	948.9	949.7	950.6
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1418.6	1424.5	1424.5	1425.4	1432.1	1431.2	1430.8
5°	1509.7	1518.6	1519.6	1529.1	1535.4	1533.3	1527.6
7.5°	1595.5	1612.2	1624.8	1631.8	1640.1	1645.3	1643.0
10°	1663.7	1687.8	1702.6	1712.5	1724.7	1733.6	1730.4
12.5°	1725.5	1754.3	1774.5	1791.6	1793.2	1804.7	1796.9
15°	1821.9	1852.4	1855.5	1868.1	1878.2	1877.1	1877.6
17.5°	1853.8	1863.5	1865.5	1865.8	1866.0	1862.3	1854.3
20°	1842.4	1838.7	1829.8	1823.0	1810.8	1809.3	1798.8
22.5°	1788.6	1776.9	1754.5	1739.7	1720.9	1715.9	1713.0
25°	1682.6	1656.8	1621.1	1586.9	1577.5	1559.1	1564.3
27.5°	1537.2	1497.1	1458.3	1430.6	1405.5	1377.9	1385.8
30°	1435.0	1389.8	1335.1	1293.1	1266.3	1240.0	1235.2
32.5°	1313.0	1246.8	1185.9	1148.8	1107.8	1091.2	1072.9
35°	1102.8	1038.2	977.7	925.7	895.7	872.6	851.5
37.5°	913.7	839.2	790.4	748.3	726.7	713.4	716.8
40°	796.4	731.2	695.5	663.4	643.4	633.9	636.0
42.5°	701.3	652.5	623.1	601.1	587.0	581.8	580.5
45°	593.4	566.1	541.9	529.3	522.5	516.7	513.0
47.5°	519.8	497.6	483.9	476.4	470.5	464.5	464.5
50°	475.7	461.0	451.5	443.6	438.9	434.7	438.4
52.5°	442.0	428.6	419.1	412.1	410.4	406.5	406.5
55°	392.1	381.6	374.8	368.4	365.4	363.2	360.6
57.5°	346.7	336.8	330.4	326.5	320.4	318.3	317.5
60°	314.3	306.4	300.2	294.9	292.2	288.0	288.0
62.5°	284.5	276.6	270.7	266.7	262.4	260.7	261.2
65°	241.3	235.0	229.2	225.0	223.9	220.8	221.8
67.5°	201.5	197.3	191.2	188.9	187.0	185.2	183.9
70°	175.1	170.9	167.7	164.5	163.0	163.0	163.0
72.5°	152.7	147.7	145.8	141.8	142.8	141.1	139.4
75°	118.3	115.1	113.5	111.9	109.3	109.3	109.3
77.5°	87.1	86.1	84.2	82.5	81.9	81.4	81.6
80°	67.3	66.8	65.7	65.7	64.6	64.2	63.1
82.5°	51.7	50.4	49.7	49.3	49.1	49.0	48.8
85°	29.5	28.4	28.4	28.9	27.9	27.9	28.4
87.5°	16.8	16.7	16.2	16.3	16.7	16.3	16.4
90°	27.0	26.6	26.5	26.8	26.9	27.1	27.3
92.5°	25.7	25.8	25.8	25.9	25.9	26.0	26.0
95°	51.3	51.3	51.2	50.8	50.5	50.1	49.7
97.5°	86.3	86.3	86.3	86.3	86.3	86.2	86.2
100°	110.7	110.7	110.7	110.4	110.3	110.1	110.0
102.5°	137.4	137.6	137.6	137.4	137.2	137.0	136.9
105°	177.6	177.9	178.2	178.2	178.2	178.2	178.2
107.5°	220.5	220.5	220.2	219.4	218.6	217.8	217.0
110°	249.5	249.5	249.3	248.7	248.2	247.6	247.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	278.5	278.0	277.6	277.2	276.8	276.4	276.0
115°	323.6	323.4	323.1	322.6	322.0	321.5	320.9
117.5°	366.9	366.4	365.9	365.4	364.9	364.3	363.8
120°	396.4	396.4	396.1	395.5	395.1	394.5	394.0
122.5°	425.9	425.5	425.1	424.7	424.3	423.9	423.5
125°	470.2	469.7	469.3	469.1	469.0	468.7	468.6
127.5°	513.2	512.5	511.9	511.4	510.8	510.2	509.7
130°	543.0	542.6	542.0	541.3	540.6	539.9	539.2
132.5°	571.2	570.4	569.7	569.2	568.5	568.0	567.4
135°	614.1	613.9	613.5	613.0	612.4	612.0	611.4
137.5°	654.7	654.5	654.0	653.3	652.6	651.9	651.2
140°	682.0	682.0	681.7	681.0	680.2	679.5	678.8
142.5°	706.9	706.9	706.7	706.0	705.3	704.6	703.9
145°	744.3	744.5	744.3	743.5	742.8	742.1	741.4
147.5°	777.4	777.8	777.6	777.0	776.3	775.6	774.9
150°	798.4	798.9	798.9	798.4	797.8	797.3	796.8
152.5°	819.4	820.0	820.0	819.4	818.6	817.9	817.3
155°	846.0	846.8	847.0	846.5	846.0	845.4	844.9
157.5°	870.7	871.9	872.0	871.2	870.4	869.5	868.6
160°	885.0	886.1	886.3	885.6	884.9	884.2	883.4
162.5°	898.3	899.5	899.7	898.8	897.9	897.1	896.3
165°	915.2	916.5	916.6	915.8	914.9	914.0	913.1
167.5°	929.2	930.4	930.6	929.7	928.8	927.8	926.9
170°	936.9	938.2	938.3	937.2	936.1	935.0	934.0
172.5°	942.7	943.9	944.0	942.9	941.9	940.8	939.8
175°	949.0	950.1	950.3	949.2	948.2	947.1	946.0
177.5°	951.4	952.3	952.3	951.4	950.6	949.7	948.9
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8

(END OF REPORT)