

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: P331561-927

Luminaire Tested: **S122DIW-S865D710U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331561-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S865D710U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5265.4 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

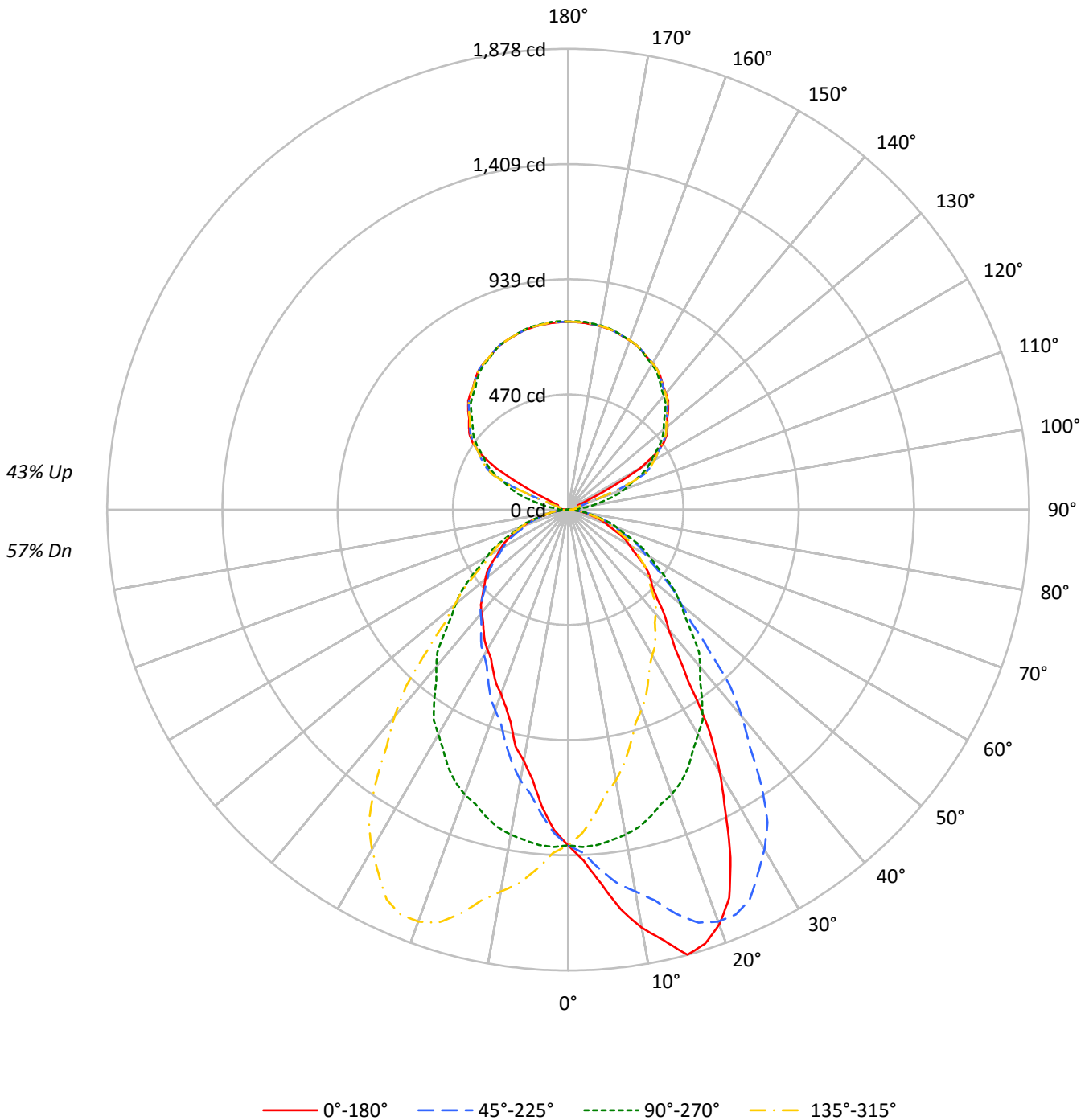
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	75	75	63	63	63	57
1	100	96	92	89	93	89	86	83	77	75	73	67	65	63	56	55	54	49
2	91	84	78	73	85	79	74	69	69	65	61	59	56	54	50	48	46	42
3	84	75	67	62	78	70	64	59	61	56	52	53	49	46	45	42	40	36
4	77	66	59	53	72	62	55	50	55	49	45	47	43	40	41	38	35	32
5	71	60	52	46	66	56	49	44	49	44	39	43	38	35	37	34	31	28
6	66	54	46	40	61	51	43	38	45	39	35	39	34	31	34	30	28	25
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	31	27	25	22
8	57	44	37	32	53	42	35	30	37	32	28	33	28	25	29	25	22	20
9	53	41	33	28	49	38	32	27	34	29	25	30	26	23	26	23	20	18
10	49	37	30	26	46	35	29	25	32	26	23	28	24	21	25	21	19	17

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	2.5
10°-20°	378.7	7.2
20°-30°	549.6	10.4
30°-40°	579.9	11.0
40°-50°	513.5	9.8
50°-60°	409.8	7.8
60°-70°	278.5	5.3
70°-80°	142.8	2.7
80°-90°	36.3	0.7
90°-100°	25.6	0.5
100°-110°	93.8	1.8
110°-120°	250.6	4.8
120°-130°	413.7	7.9
130°-140°	440.0	8.4
140°-150°	408.9	7.8
150°-160°	328.8	6.2
160°-170°	211.9	4.0
170°-180°	72.9	1.4
0°-30°	1058.5	20.1
0°-40°	1638.5	31.1
0°-60°	2561.8	48.7
0°-90°	3019.4	57.3
90°-120°	369.9	7.0
90°-150°	1632.5	31.0
90°-180°	2246.0	42.7
0°-180°	5265.4	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	31
90°	15	1	15	1	15	8
95°	24	36	24	36	24	22
105°	42	169	42	169	42	44
115°	46	319	46	319	46	114
125°	474	451	474	451	474	410
135°	576	558	576	558	576	444
145°	657	647	657	647	657	411
155°	713	713	713	713	713	329
165°	749	751	749	751	749	212
175°	764	768	764	768	764	73
180°	766	766	766	766	766	



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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°	13.9	13.9	14.3	13.8	13.7	14.1	13.9	13.4	13.7	14.0	14.2
90°	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4	11.7	11.1	10.1
92.5°	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5	13.2	12.8	12.4
95°	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9	22.3	21.6	20.8
97.5°	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9	29.5	28.9	26.9
100°	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6	32.6	31.6	29.5
102.5°	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1	33.7	32.5	50.0
105°	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5	35.2	33.8	67.5
107.5°	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6	45.9	47.4	87.7
110°	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4	84.8	97.0	132.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9	199.9	244.8	253.6
115°	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1	285.1	342.1	339.1
117.5°	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4	365.2	379.0	376.8
120°	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5	408.0	406.5	404.3
122.5°	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4	433.6	432.7	430.2
125°	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3	469.4	468.6	466.3
127.5°	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5	502.2	501.0	499.2
130°	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6	523.2	521.9	520.5
132.5°	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0	543.8	542.7	541.4
135°	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3	573.0	571.8	570.7
137.5°	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3	600.2	599.0	597.7
140°	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9	617.8	616.7	615.3
142.5°	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1	634.1	633.1	631.5
145°	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7	657.0	656.1	653.9
147.5°	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6	676.9	676.2	674.1
150°	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7	689.0	688.2	686.3
152.5°	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8	700.1	699.3	697.4
155°	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7	715.0	714.3	712.8
157.5°	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4	727.5	726.7	725.6
160°	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7	735.0	734.3	733.5
162.5°	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6	741.7	740.9	740.3
165°	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0	750.1	749.2	748.8
167.5°	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0	757.1	756.2	755.9
170°	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5	760.7	759.8	759.5
172.5°	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1	763.3	762.4	762.2
175°	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1	766.2	765.3	765.1
177.5°	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4	766.7	766.0	765.9
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



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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°	14.4	14.3	14.0	14.7	13.2	12.8	10.9	9.3	9.2	9.0	8.5
90°	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6	1.9	3.2	4.6
92.5°	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2	11.1	10.9	10.9
95°	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0	32.0	27.9	23.8
97.5°	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5	60.0	48.6	37.2
100°	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2	81.3	64.4	47.5
102.5°	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5	123.9	120.3	116.7
105°	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6	172.3	176.0	179.7
107.5°	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5	218.5	221.5	224.4
110°	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7	248.3	250.9	253.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1	276.4	278.7	280.9
115°	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9	321.0	323.1	325.2
117.5°	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9	361.2	363.6	365.9
120°	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2	390.1	391.9	393.7
122.5°	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0	415.0	416.9	418.9
125°	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8	452.5	454.1	455.7
127.5°	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1	486.9	488.7	490.4
130°	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8	508.8	510.8	512.8
132.5°	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1	530.8	532.4	534.1
135°	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9	559.8	561.8	563.8
137.5°	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1	588.4	589.9	591.2
140°	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2	607.1	608.1	609.1
142.5°	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1	623.0	623.9	624.8
145°	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2	647.1	647.0	646.8
147.5°	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0	668.6	668.1	667.7
150°	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3	682.4	681.5	680.6
152.5°	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2	694.3	693.3	692.3
155°	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6	711.5	710.4	709.3
157.5°	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3	725.3	724.4	723.4
160°	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	733.5	732.8	732.1
162.5°	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3	740.6	739.9	739.1
165°	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9	750.1	749.4	748.7
167.5°	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0	757.2	756.5	755.7
170°	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0	761.2	760.5	759.8
172.5°	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6	763.9	763.2	762.4
175°	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1	767.2	766.4	765.5
177.5°	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7	767.9	767.2	766.6
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331561-927

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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°	8.3	8.2	7.9	8.2	7.9	7.7	7.4	7.5	7.6	6.9	7.0
90°	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4	12.9	13.5	14.0
92.5°	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5	13.9	14.2	14.4
95°	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9	23.4	24.1	24.3
97.5°	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9	30.4	30.9	31.2
100°	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6	34.5	35.6	36.2
102.5°	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1	36.4	37.6	38.4
105°	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5	37.9	39.2	40.2
107.5°	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6	43.3	41.8	41.4
110°	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4	60.0	47.8	41.8



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CATALOG NUMBER: S122DIW-S865D710U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9	110.0	65.0	42.7
115°	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1	171.0	113.9	81.0
117.5°	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4	337.5	323.8	302.3
120°	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5	410.9	412.4	404.8
122.5°	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4	435.3	436.3	435.1
125°	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3	471.2	472.1	472.7
127.5°	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5	504.8	506.0	506.7
130°	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6	525.9	527.3	527.9
132.5°	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0	546.2	547.3	547.9
135°	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3	575.4	576.7	577.2
137.5°	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3	602.5	603.8	604.2
140°	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9	620.0	621.2	621.4
142.5°	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1	636.1	637.2	637.3
145°	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7	658.6	659.5	659.7
147.5°	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6	678.2	678.8	678.9
150°	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7	690.5	691.2	691.3
152.5°	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8	701.6	702.3	702.3
155°	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7	716.5	717.2	717.1
157.5°	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4	729.2	730.1	730.0
160°	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7	736.5	737.2	737.1
162.5°	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6	743.4	744.3	744.2
165°	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0	751.8	752.7	752.7
167.5°	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0	758.8	759.6	759.5
170°	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5	762.3	763.2	763.1
172.5°	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1	765.0	765.9	765.7
175°	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1	767.9	768.7	768.6
177.5°	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4	768.0	768.7	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331561-927

CATALOG NUMBER: S122DIW-S865D710U927-4F0-1E-UDD-A

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°	7.1	6.7	6.7	6.3	6.7	6.7	7.1	7.0	6.9	7.6	7.5
90°	14.3	14.5	14.7	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4
92.5°	14.5	14.7	14.8	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5
95°	24.2	24.1	24.0	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9
97.5°	31.4	31.5	31.7	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9
100°	36.4	36.7	36.9	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6
102.5°	38.8	39.1	39.5	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1
105°	40.6	41.2	41.7	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5
107.5°	41.9	42.4	42.9	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6
110°	42.3	42.9	43.3	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4



TEST NUMBER: P331561-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	43.1	43.5	43.9	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9
115°	72.1	63.2	54.3	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1
117.5°	273.1	244.0	214.8	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4
120°	388.2	371.5	354.9	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5
122.5°	431.8	428.6	425.4	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4
125°	473.0	473.4	473.8	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3
127.5°	506.8	506.8	506.9	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5
130°	527.8	527.7	527.5	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6
132.5°	547.7	547.6	547.5	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0
135°	576.9	576.7	576.5	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3
137.5°	603.7	603.3	602.9	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3
140°	620.8	620.1	619.5	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9
142.5°	636.8	636.1	635.5	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1
145°	659.0	658.4	657.7	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7
147.5°	678.3	677.9	677.3	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6
150°	690.6	690.0	689.4	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7
152.5°	701.4	700.6	699.8	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8
155°	716.1	715.2	714.2	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7
157.5°	729.0	728.1	727.1	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4
160°	736.3	735.4	734.6	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7
162.5°	743.1	742.0	740.9	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6
165°	751.8	751.0	750.1	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0
167.5°	758.4	757.3	756.2	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0
170°	762.0	760.9	759.8	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5
172.5°	764.6	763.5	762.4	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1
175°	767.3	766.1	764.9	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1
177.5°	767.8	766.8	766.0	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331561-927

CATALOG NUMBER: S122DIW-S865D710U927-4F0-1E-UDD-A

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°	7.4	7.7	7.9	8.2	7.9	8.2	8.3	8.5	9.0	9.2	9.3
90°	11.7	11.1	10.1	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6
92.5°	13.2	12.8	12.4	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2
95°	22.3	21.6	20.8	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0
97.5°	29.5	28.9	26.9	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5
100°	32.6	31.6	29.5	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2
102.5°	33.7	32.5	50.0	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5
105°	35.2	33.8	67.5	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6
107.5°	45.9	47.4	87.7	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5
110°	84.8	97.0	132.7	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	199.9	244.8	253.6	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1
115°	285.1	342.1	339.1	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9
117.5°	365.2	379.0	376.8	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9
120°	408.0	406.5	404.3	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2
122.5°	433.6	432.7	430.2	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0
125°	469.4	468.6	466.3	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8
127.5°	502.2	501.0	499.2	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1
130°	523.2	521.9	520.5	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8
132.5°	543.8	542.7	541.4	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1
135°	573.0	571.8	570.7	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9
137.5°	600.2	599.0	597.7	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1
140°	617.8	616.7	615.3	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2
142.5°	634.1	633.1	631.5	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1
145°	657.0	656.1	653.9	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2
147.5°	676.9	676.2	674.1	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0
150°	689.0	688.2	686.3	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3
152.5°	700.1	699.3	697.4	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2
155°	715.0	714.3	712.8	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6
157.5°	727.5	726.7	725.6	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3
160°	735.0	734.3	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3
162.5°	741.7	740.9	740.3	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3
165°	750.1	749.2	748.8	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9
167.5°	757.1	756.2	755.9	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0
170°	760.7	759.8	759.5	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0
172.5°	763.3	762.4	762.2	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6
175°	766.2	765.3	765.1	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1
177.5°	766.7	766.0	765.9	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331561-927

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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°	10.9	12.8	13.2	14.7	14.0	14.3	14.4	14.2	14.0	13.7	13.4
90°	1.9	3.2	4.6	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4
92.5°	11.1	10.9	10.9	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5
95°	32.0	27.9	23.8	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9
97.5°	60.0	48.6	37.2	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9
100°	81.3	64.4	47.5	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6
102.5°	123.9	120.3	116.7	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1
105°	172.3	176.0	179.7	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5
107.5°	218.5	221.5	224.4	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6
110°	248.3	250.9	253.4	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.4	278.7	280.9	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9
115°	321.0	323.1	325.2	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1
117.5°	361.2	363.6	365.9	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4
120°	390.1	391.9	393.7	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5
122.5°	415.0	416.9	418.9	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4
125°	452.5	454.1	455.7	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3
127.5°	486.9	488.7	490.4	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5
130°	508.8	510.8	512.8	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6
132.5°	530.8	532.4	534.1	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0
135°	559.8	561.8	563.8	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3
137.5°	588.4	589.9	591.2	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3
140°	607.1	608.1	609.1	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9
142.5°	623.0	623.9	624.8	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1
145°	647.1	647.0	646.8	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7
147.5°	668.6	668.1	667.7	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6
150°	682.4	681.5	680.6	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7
152.5°	694.3	693.3	692.3	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8
155°	711.5	710.4	709.3	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7
157.5°	725.3	724.4	723.4	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4
160°	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7
162.5°	740.6	739.9	739.1	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6
165°	750.1	749.4	748.7	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0
167.5°	757.2	756.5	755.7	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0
170°	761.2	760.5	759.8	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5
172.5°	763.9	763.2	762.4	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1
175°	767.2	766.4	765.5	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1
177.5°	767.9	767.2	766.6	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



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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°	13.9	14.1	13.7	13.8	14.3	13.9	13.9
90°	12.9	13.5	14.0	14.3	14.5	14.7	15.0
92.5°	13.9	14.2	14.4	14.5	14.7	14.8	15.0
95°	23.4	24.1	24.3	24.2	24.1	24.0	23.8
97.5°	30.4	30.9	31.2	31.4	31.5	31.7	31.8
100°	34.5	35.6	36.2	36.4	36.7	36.9	37.2
102.5°	36.4	37.6	38.4	38.8	39.1	39.5	39.8
105°	37.9	39.2	40.2	40.6	41.2	41.7	42.1
107.5°	43.3	41.8	41.4	41.9	42.4	42.9	43.3
110°	60.0	47.8	41.8	42.3	42.9	43.3	43.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	110.0	65.0	42.7	43.1	43.5	43.9	44.3
115°	171.0	113.9	81.0	72.1	63.2	54.3	45.5
117.5°	337.5	323.8	302.3	273.1	244.0	214.8	185.7
120°	410.9	412.4	404.8	388.2	371.5	354.9	338.3
122.5°	435.3	436.3	435.1	431.8	428.6	425.4	422.2
125°	471.2	472.1	472.7	473.0	473.4	473.8	474.1
127.5°	504.8	506.0	506.7	506.8	506.8	506.9	507.0
130°	525.9	527.3	527.9	527.8	527.7	527.5	527.4
132.5°	546.2	547.3	547.9	547.7	547.6	547.5	547.4
135°	575.4	576.7	577.2	576.9	576.7	576.5	576.2
137.5°	602.5	603.8	604.2	603.7	603.3	602.9	602.5
140°	620.0	621.2	621.4	620.8	620.1	619.5	618.9
142.5°	636.1	637.2	637.3	636.8	636.1	635.5	634.9
145°	658.6	659.5	659.7	659.0	658.4	657.7	657.2
147.5°	678.2	678.8	678.9	678.3	677.9	677.3	676.8
150°	690.5	691.2	691.3	690.6	690.0	689.4	688.8
152.5°	701.6	702.3	702.3	701.4	700.6	699.8	698.9
155°	716.5	717.2	717.1	716.1	715.2	714.2	713.2
157.5°	729.2	730.1	730.0	729.0	728.1	727.1	726.1
160°	736.5	737.2	737.1	736.3	735.4	734.6	733.7
162.5°	743.4	744.3	744.2	743.1	742.0	740.9	739.9
165°	751.8	752.7	752.7	751.8	751.0	750.1	749.2
167.5°	758.8	759.6	759.5	758.4	757.3	756.2	755.1
170°	762.3	763.2	763.1	762.0	760.9	759.8	758.7
172.5°	765.0	765.9	765.7	764.6	763.5	762.4	761.3
175°	767.9	768.7	768.6	767.3	766.1	764.9	763.7
177.5°	768.0	768.7	768.7	767.8	766.8	766.0	765.1
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4

(END OF REPORT)