

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: P333407-927

Luminaire Tested: **S125DIW-S850D770U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333407-927
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-S850D770U927-4F0-1E-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: 4845.0 lumens
Efficiency: N/A
Efficacy: 107.7 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

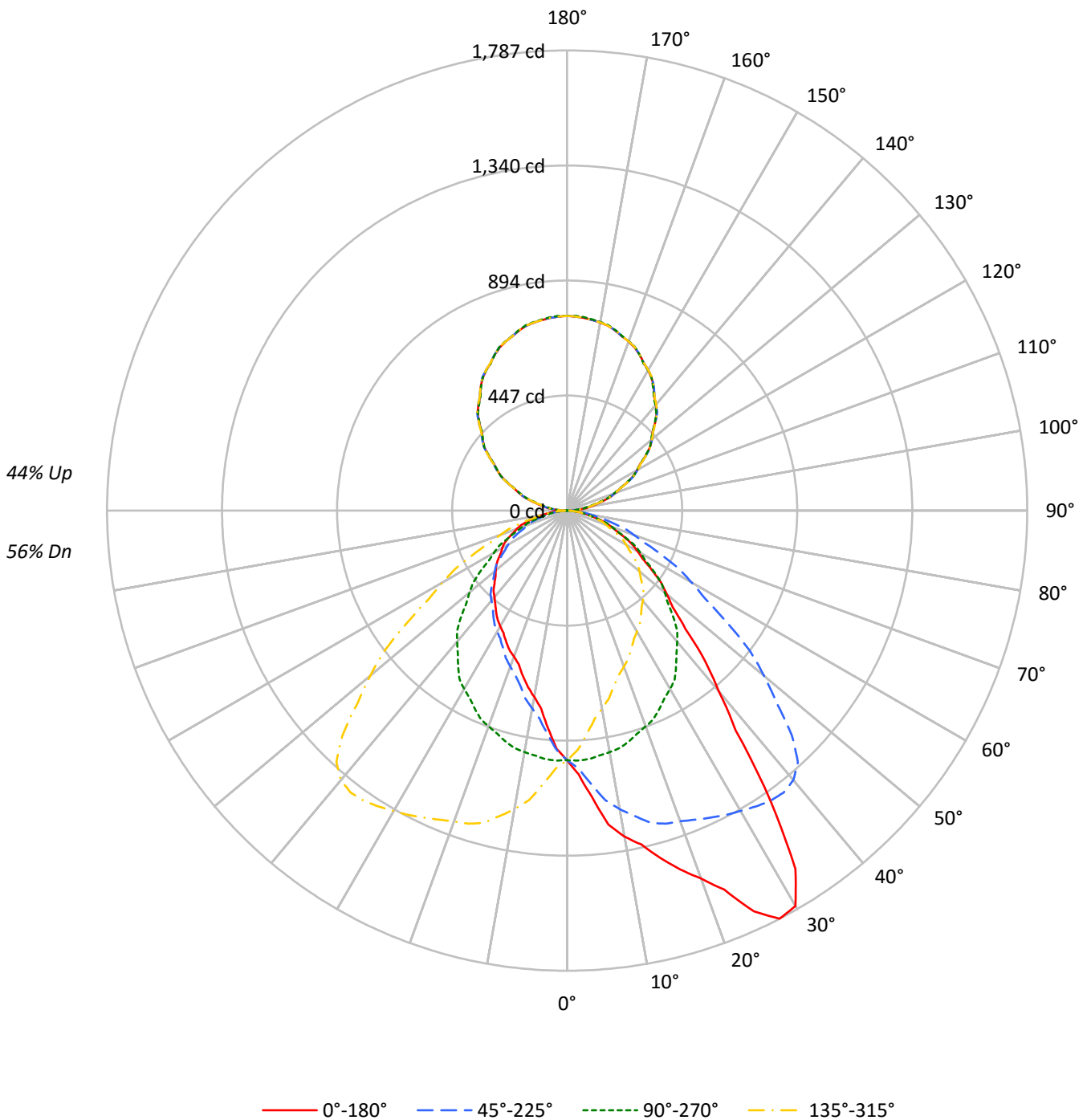
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6259	6259	6259	6259
5°	7248	6280	5499	6280
10°	8433	6248	4818	6248
15°	9335	6202	4444	6202
20°	10449	6129	4144	6129
25°	12241	6047	3998	6047
30°	13221	5967	3871	5967
35°	10871	5815	3788	5815
40°	7727	5604	3697	5604
45°	5936	5320	3644	5320
50°	5067	4967	3636	4967
55°	4512	4622	3668	4622
60°	4070	4246	3761	4246
65°	3759	3865	3859	3865
70°	3418	3473	3914	3473
75°	3019	3059	3880	3059
80°	2540	2492	3552	2492
85°	2016	1793	2868	1793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	1.9
10°-20°	277.8	5.7
20°-30°	451.1	9.3
30°-40°	550.2	11.4
40°-50°	500.5	10.3
50°-60°	398.7	8.2
60°-70°	277.7	5.7
70°-80°	148.1	3.1
80°-90°	39.0	0.8
90°-100°	50.6	1.0
100°-110°	149.5	3.1
110°-120°	253.2	5.2
120°-130°	333.2	6.9
130°-140°	373.3	7.7
140°-150°	365.9	7.6
150°-160°	307.3	6.3
160°-170°	204.3	4.2
170°-180°	71.5	1.5
0°-30°	822.1	17.0
0°-40°	1372.3	28.3
0°-60°	2271.6	46.9
0°-90°	2736.3	56.5
90°-120°	453.2	9.4
90°-150°	1525.6	31.5
90°-180°	2109.0	43.5
0°-180°	4845.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	969	969	969	969	969	
5°	1118	969	848	969	1118	113
15°	1396	928	665	928	1396	400
25°	1718	849	561	849	1718	785
35°	1379	738	480	738	1379	844
45°	650	582	399	582	650	520
55°	401	410	326	410	401	361
65°	246	253	252	253	246	244
75°	121	123	156	123	121	130
85°	27	24	39	24	27	32
90°	14	1	14	1	14	9
95°	50	38	50	38	50	51
105°	146	134	146	134	146	155
115°	256	254	256	254	256	253
125°	372	370	372	370	372	332
135°	483	481	483	481	483	372
145°	585	583	585	583	585	365
155°	667	667	667	667	667	307
165°	723	725	723	725	723	204
175°	751	754	751	754	751	71
180°	756	756	756	756	756	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	1025.1	1023.7	1022.5	1019.8	1021.8	1016.2	1013.5	1008.9	1003.4	1001.4	999.1
5°	1118.0	1120.1	1122.1	1113.5	1114.4	1108.6	1095.4	1084.7	1076.1	1065.0	1057.2
7.5°	1229.9	1225.0	1224.6	1219.1	1209.4	1201.7	1187.9	1170.3	1153.3	1133.9	1117.8
10°	1285.9	1286.3	1282.5	1276.0	1265.7	1258.3	1240.2	1222.9	1202.0	1177.3	1159.6
12.5°	1328.0	1329.7	1325.0	1316.1	1311.1	1294.5	1280.3	1259.8	1234.9	1215.1	1188.2
15°	1396.1	1391.5	1388.3	1377.2	1368.6	1351.3	1328.6	1307.3	1280.1	1255.0	1229.9
17.5°	1461.7	1465.4	1459.2	1449.1	1422.3	1402.1	1371.7	1342.4	1308.7	1275.0	1245.1
20°	1520.4	1523.6	1514.2	1496.5	1464.4	1444.2	1404.3	1366.5	1327.4	1284.2	1251.3
22.5°	1593.4	1590.8	1578.0	1551.1	1523.3	1486.1	1442.8	1396.8	1347.8	1299.0	1255.3
25°	1717.8	1700.5	1692.7	1659.4	1622.8	1568.0	1508.8	1441.4	1380.5	1315.9	1260.0
27.5°	1786.7	1781.3	1772.6	1749.4	1710.9	1652.4	1582.5	1500.3	1414.4	1332.9	1259.7
30°	1772.9	1773.7	1774.6	1767.1	1742.5	1698.4	1629.0	1540.5	1438.4	1346.7	1262.0
32.5°	1650.5	1665.5	1679.7	1696.7	1703.6	1695.2	1651.6	1571.8	1466.8	1362.6	1260.7
35°	1378.8	1383.4	1429.8	1475.9	1538.4	1587.0	1619.5	1584.1	1495.6	1375.9	1259.1
37.5°	1075.1	1097.3	1129.5	1181.5	1271.8	1352.6	1456.5	1504.3	1475.8	1380.3	1256.2
40°	916.5	937.1	958.0	1011.1	1087.2	1185.1	1303.1	1403.9	1427.4	1366.5	1246.3
42.5°	794.1	810.3	833.6	873.5	937.2	1023.8	1136.6	1268.4	1349.4	1326.4	1225.7
45°	649.9	660.2	678.3	710.0	756.1	823.9	923.4	1067.5	1192.9	1234.5	1176.5
47.5°	556.3	556.2	570.3	592.2	625.4	683.1	756.7	869.5	1003.5	1102.6	1098.0
50°	504.3	502.2	513.3	532.3	558.6	596.8	667.2	757.2	886.1	998.3	1029.6
52.5°	459.5	459.8	466.6	480.6	502.6	535.4	587.9	669.1	779.1	894.4	953.2
55°	400.7	399.0	406.8	416.3	432.3	453.7	491.5	553.7	642.9	756.5	833.0
57.5°	346.7	351.2	354.3	360.9	374.2	388.6	420.5	466.0	536.9	634.3	715.2
60°	315.1	319.6	322.1	328.7	339.4	351.7	376.4	413.4	473.0	557.0	637.2
62.5°	286.8	290.3	291.1	297.1	305.8	317.8	337.2	368.3	415.4	488.9	567.4
65°	246.0	246.0	247.6	253.8	257.9	268.6	283.4	306.0	343.9	401.1	468.1
67.5°	206.7	208.7	208.2	211.0	214.8	223.0	233.6	252.3	280.4	322.1	375.7
70°	181.0	182.6	182.2	184.3	188.4	193.8	202.4	220.1	240.2	276.0	322.1
72.5°	158.0	158.6	157.6	160.3	162.7	167.4	177.1	186.5	205.3	235.5	273.4
75°	121.0	121.8	122.6	124.2	126.7	129.1	134.1	143.5	155.9	178.6	202.8
77.5°	90.6	89.1	91.1	90.9	92.2	94.1	98.5	103.5	113.6	127.9	146.7
80°	68.3	68.7	68.7	69.1	71.1	72.4	76.1	79.8	87.6	98.3	111.5
82.5°	49.8	50.9	50.3	51.0	52.8	53.6	55.7	58.7	63.3	71.7	81.2
85°	27.2	25.1	25.9	26.8	26.8	27.2	28.8	30.0	32.5	35.8	39.5
87.5°	10.7	11.3	11.6	11.5	11.7	11.6	12.8	12.7	13.5	14.4	15.5
90°	14.1	13.7	13.3	12.9	12.5	12.0	11.4	10.7	10.1	9.4	8.5
92.5°	27.7	27.5	27.2	26.9	26.6	26.1	25.2	24.3	23.4	22.6	21.5
95°	50.5	50.3	50.1	49.8	49.5	49.0	48.0	47.1	46.2	45.3	44.0
97.5°	76.7	76.5	76.4	76.2	76.0	75.6	74.7	73.8	73.0	72.1	70.3
100°	96.4	96.2	95.9	95.7	95.4	94.7	93.5	92.3	91.2	90.0	88.2
102.5°	116.2	115.8	115.5	115.1	114.7	113.9	112.6	111.4	110.1	108.8	107.9
105°	145.8	145.4	145.0	144.7	144.3	143.7	142.9	142.1	141.3	140.5	139.7
107.5°	176.2	176.2	176.3	176.3	176.3	176.1	175.7	175.3	174.9	174.5	174.0
110°	198.8	198.9	199.0	199.2	199.3	199.2	198.8	198.4	198.0	197.6	197.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	220.9	221.1	221.3	221.6	221.8	221.8	221.7	221.5	221.3	221.1	220.6
115°	255.8	256.0	256.1	256.2	256.4	256.4	256.6	256.7	256.8	257.0	256.7
117.5°	289.9	290.4	291.0	291.5	292.0	292.2	292.1	292.0	291.9	291.8	291.6
120°	313.5	313.9	314.5	315.1	315.5	315.8	315.8	315.8	315.8	315.8	315.7
122.5°	337.0	337.4	337.8	338.2	338.7	338.9	339.0	339.1	339.2	339.3	339.0
125°	372.2	372.4	372.5	372.6	372.8	373.0	373.2	373.5	373.8	374.0	373.9
127.5°	406.2	406.4	406.6	406.9	407.2	407.3	407.5	407.7	407.7	407.9	407.7
130°	428.7	429.0	429.2	429.5	429.8	429.9	430.1	430.2	430.3	430.5	430.2
132.5°	449.9	450.3	450.6	451.0	451.3	451.6	451.7	451.9	452.0	452.1	452.2
135°	482.8	483.3	483.9	484.3	484.9	485.1	485.1	485.1	485.1	485.1	485.1
137.5°	515.0	515.7	516.3	517.0	517.6	517.9	517.8	517.6	517.5	517.3	517.0
140°	535.8	536.4	537.0	537.7	538.4	538.5	538.3	538.1	537.7	537.5	537.1
142.5°	555.5	556.1	556.8	557.5	558.1	558.3	558.2	558.0	557.9	557.7	557.2
145°	585.1	585.5	585.9	586.3	586.7	586.9	586.9	586.9	586.9	586.9	586.5
147.5°	610.5	611.3	612.2	613.1	613.9	614.3	613.9	613.6	613.3	613.0	612.7
150°	629.2	629.5	629.8	630.0	630.3	630.4	630.4	630.4	630.4	630.4	629.9
152.5°	644.8	645.2	645.7	646.2	646.7	646.7	646.4	646.1	645.8	645.5	645.2
155°	666.9	667.5	668.2	668.8	669.5	669.6	669.0	668.5	668.0	667.5	667.3
157.5°	685.3	686.2	687.1	687.9	688.8	689.0	688.4	687.9	687.4	686.9	686.7
160°	698.1	698.7	699.3	700.0	700.7	700.7	700.2	699.7	699.2	698.6	698.5
162.5°	708.8	709.6	710.3	711.1	711.9	711.9	711.3	710.7	710.1	709.5	709.4
165°	723.3	724.1	724.9	725.7	726.4	726.6	726.1	725.6	725.0	724.5	724.4
167.5°	734.8	735.7	736.5	737.3	738.1	738.1	737.4	736.6	735.8	735.0	735.0
170°	741.0	741.9	742.8	743.7	744.7	744.7	743.9	743.1	742.4	741.6	741.6
172.5°	746.2	746.9	747.7	748.6	749.4	749.4	748.6	747.8	747.0	746.2	746.2
175°	751.0	751.9	752.8	753.7	754.6	754.7	753.9	753.1	752.3	751.5	751.5
177.5°	753.8	754.6	755.3	756.0	756.7	756.8	756.1	755.5	754.9	754.2	754.4
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	997.1	994.8	992.1	987.5	982.0	979.0	974.4	971.5	965.5	960.6	955.3
5°	1047.7	1037.0	1027.1	1014.4	1000.4	991.3	980.6	968.7	956.4	943.6	929.6
7.5°	1100.1	1081.2	1060.6	1038.5	1016.8	997.0	977.9	959.3	941.8	920.8	902.9
10°	1135.3	1111.4	1085.9	1055.9	1026.7	1001.2	975.3	952.7	929.6	905.0	883.1
12.5°	1170.5	1138.8	1102.7	1069.8	1034.6	1003.9	973.4	944.4	915.5	888.2	862.8
15°	1195.4	1167.4	1134.1	1087.2	1047.7	1005.4	965.0	927.6	892.6	862.2	830.1
17.5°	1211.7	1175.7	1140.0	1095.0	1043.1	995.8	950.1	907.3	867.8	829.3	798.4
20°	1214.7	1177.7	1140.3	1096.2	1043.1	988.9	943.3	891.8	849.5	809.5	771.7
22.5°	1213.7	1171.8	1131.0	1085.7	1034.0	984.0	928.8	876.3	830.4	791.1	751.6
25°	1204.4	1159.6	1108.6	1063.0	1011.9	958.9	902.9	848.6	801.7	756.9	717.8
27.5°	1196.7	1138.5	1080.8	1027.5	978.3	929.6	876.1	820.5	768.5	723.0	686.2
30°	1187.2	1123.4	1058.4	1002.8	952.3	905.0	854.4	800.1	745.8	701.3	661.9
32.5°	1178.6	1104.3	1035.7	975.3	921.6	875.7	829.0	777.4	724.1	679.0	639.4
35°	1162.1	1076.1	997.5	929.2	872.0	824.7	785.7	737.5	688.6	645.0	607.1
37.5°	1141.1	1039.0	954.7	883.1	820.5	770.6	734.3	697.3	650.3	608.3	574.1
40°	1124.6	1012.7	923.4	850.2	785.3	733.4	699.7	664.7	625.7	586.6	550.4
42.5°	1103.9	989.0	891.9	813.1	748.7	698.2	662.8	633.1	598.7	562.2	528.6
45°	1065.8	946.1	840.8	756.1	691.0	641.3	604.7	582.5	556.6	522.0	493.6
47.5°	1009.8	894.5	785.6	698.2	631.1	584.9	550.6	529.3	511.0	485.4	459.6
50°	960.0	856.0	745.8	658.9	591.9	545.4	513.8	494.4	478.8	459.1	437.3
52.5°	904.4	807.6	706.6	620.8	554.4	508.6	477.6	460.6	447.6	433.4	411.9
55°	816.1	733.9	640.1	558.6	497.3	452.5	425.3	410.5	399.8	389.1	376.0
57.5°	718.7	654.4	571.3	496.9	440.5	399.7	374.3	359.9	351.6	346.1	338.3
60°	650.3	595.2	523.6	455.7	400.7	364.5	339.8	328.7	321.7	317.1	311.4
62.5°	586.8	541.6	475.2	413.3	365.1	330.9	308.9	298.1	291.4	289.1	284.4
65°	493.2	458.3	403.5	352.1	311.0	281.8	263.2	252.9	248.8	246.4	246.8
67.5°	401.0	379.7	335.7	291.9	259.0	234.6	219.8	211.8	209.8	206.5	206.4
70°	344.7	328.7	291.7	253.4	224.2	205.3	192.1	183.9	181.8	180.1	179.7
72.5°	295.0	281.0	248.8	218.2	191.9	175.3	164.5	159.5	156.1	155.2	155.1
75°	221.7	213.9	188.4	164.1	146.0	134.5	127.1	122.6	120.1	119.7	120.1
77.5°	157.6	150.8	134.6	117.4	106.0	97.3	91.0	89.4	86.7	86.7	86.3
80°	118.4	113.9	103.7	90.1	80.6	73.2	69.9	67.0	66.2	65.0	66.2
82.5°	85.9	81.0	74.1	65.4	57.6	53.2	49.8	49.0	48.5	47.8	48.2
85°	42.4	42.8	38.7	32.1	28.8	26.3	24.2	24.2	23.8	23.4	23.8
87.5°	16.0	15.1	13.6	12.4	10.6	9.4	8.9	9.0	8.2	8.1	8.6
90°	7.6	6.7	5.8	4.8	3.7	2.7	1.7	0.6	1.7	2.7	3.7
92.5°	20.4	19.3	18.1	17.2	16.4	15.7	15.0	14.3	15.0	15.7	16.4
95°	42.7	41.4	40.1	39.3	39.0	38.7	38.5	38.3	38.5	38.7	39.0
97.5°	68.5	66.7	64.9	63.9	63.8	63.7	63.6	63.5	63.6	63.7	63.8
100°	86.6	84.8	83.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
102.5°	107.1	106.2	105.4	104.6	104.1	103.6	103.1	102.6	103.1	103.6	104.1
105°	138.9	138.2	137.4	136.7	136.0	135.4	134.8	134.1	134.8	135.4	136.0
107.5°	173.3	172.8	172.1	171.5	170.9	170.2	169.5	168.9	169.5	170.2	170.9
110°	196.8	196.4	196.0	195.5	194.9	194.2	193.5	192.9	193.5	194.2	194.9



TEST NUMBER: P333407-927

CATALOG NUMBER: S125DIW-S850D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	220.1	219.6	219.1	218.7	218.4	218.0	217.7	217.4	217.7	218.0	218.4
115°	256.4	256.2	256.0	255.6	255.0	254.5	254.0	253.5	254.0	254.5	255.0
117.5°	291.4	291.1	290.9	290.7	290.4	290.2	289.9	289.7	289.9	290.2	290.4
120°	315.5	315.4	315.3	314.9	314.3	313.5	312.9	312.3	312.9	313.5	314.3
122.5°	338.7	338.3	337.9	337.7	337.5	337.2	337.0	336.8	337.0	337.2	337.5
125°	373.8	373.6	373.5	373.0	372.2	371.5	370.7	369.9	370.7	371.5	372.2
127.5°	407.6	407.4	407.3	406.9	406.5	406.1	405.6	405.2	405.6	406.1	406.5
130°	429.9	429.7	429.4	429.0	428.3	427.7	427.0	426.4	427.0	427.7	428.3
132.5°	452.2	452.3	452.3	451.8	450.8	449.6	448.6	447.5	448.6	449.6	450.8
135°	484.9	484.7	484.7	484.2	483.4	482.6	481.8	481.0	481.8	482.6	483.4
137.5°	516.7	516.4	516.1	515.6	514.8	514.0	513.3	512.5	513.3	514.0	514.8
140°	536.7	536.3	535.9	535.4	534.7	534.1	533.5	532.8	533.5	534.1	534.7
142.5°	556.7	556.3	555.7	555.2	554.7	554.1	553.6	553.0	553.6	554.1	554.7
145°	586.1	585.7	585.3	584.9	584.3	583.8	583.3	582.8	583.3	583.8	584.3
147.5°	612.4	612.0	611.7	611.5	611.2	610.9	610.6	610.3	610.6	610.9	611.2
150°	629.4	628.8	628.4	628.1	628.3	628.4	628.5	628.7	628.5	628.4	628.3
152.5°	645.1	644.8	644.6	644.4	644.3	644.0	643.9	643.7	643.9	644.0	644.3
155°	667.2	667.1	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9
157.5°	686.6	686.5	686.3	686.4	686.7	687.0	687.3	687.6	687.3	687.0	686.7
160°	698.4	698.2	698.1	698.2	698.6	699.0	699.4	699.8	699.4	699.0	698.6
162.5°	709.4	709.4	709.3	709.5	709.8	710.0	710.3	710.7	710.3	710.0	709.8
165°	724.2	724.1	724.0	724.1	724.3	724.6	724.8	725.1	724.8	724.6	724.3
167.5°	735.0	735.0	735.0	735.2	735.8	736.3	736.8	737.4	736.8	736.3	735.8
170°	741.6	741.6	741.6	741.8	742.4	742.8	743.4	743.9	743.4	742.8	742.4
172.5°	746.2	746.2	746.2	746.6	747.0	747.6	748.1	748.6	748.1	747.6	747.0
175°	751.5	751.5	751.5	751.8	752.3	752.9	753.4	753.9	753.4	752.9	752.3
177.5°	754.5	754.6	754.7	754.9	755.3	755.7	756.2	756.6	756.2	755.7	755.3
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



TEST NUMBER: P333407-927

CATALOG NUMBER: S125DIW-S850D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	952.4	948.7	945.8	939.2	935.6	930.7	926.7	931.0	926.4	928.4	925.3
5°	922.7	911.2	902.9	891.0	880.7	871.2	864.3	863.0	859.7	858.1	853.1
7.5°	886.9	872.5	858.4	842.8	829.6	816.2	807.6	800.6	795.9	789.7	785.5
10°	865.9	846.5	830.1	811.2	794.7	780.3	768.8	763.0	757.7	749.9	747.0
12.5°	839.9	819.9	799.8	779.6	763.8	747.7	737.8	729.1	725.5	716.6	715.7
15°	808.7	778.7	758.9	738.4	716.5	703.4	695.1	685.7	681.6	675.4	670.9
17.5°	771.5	744.7	720.0	698.7	680.0	668.9	658.7	652.2	645.2	641.1	633.7
20°	744.6	719.1	694.3	671.7	657.4	644.6	636.4	630.2	622.8	620.8	613.3
22.5°	721.8	693.7	670.0	651.0	635.3	620.9	612.0	607.8	602.7	596.4	594.8
25°	684.9	655.7	635.6	616.6	602.6	589.5	583.3	578.0	573.0	568.5	566.8
27.5°	653.0	626.9	602.9	585.8	573.7	561.7	556.2	549.7	546.1	542.5	538.1
30°	630.6	603.9	582.9	566.4	553.3	542.6	536.8	532.3	529.0	525.7	523.2
32.5°	607.5	582.8	562.4	546.4	533.2	525.1	520.0	516.8	513.2	509.2	506.1
35°	577.1	549.9	530.2	516.3	506.0	499.8	494.0	491.2	487.0	487.0	483.7
37.5°	542.8	519.4	501.9	489.2	480.0	474.4	468.2	466.2	463.6	461.8	460.7
40°	522.4	500.6	484.2	471.4	461.5	457.0	452.1	448.8	447.1	445.0	444.3
42.5°	501.4	480.5	464.8	453.0	444.4	440.5	435.9	433.6	430.3	427.6	427.1
45°	469.4	449.2	434.8	425.3	418.0	413.4	410.5	405.6	403.9	400.7	400.2
47.5°	438.9	419.6	405.5	397.8	391.3	387.5	383.0	378.1	376.2	374.5	374.4
50°	416.3	398.6	385.4	378.0	371.9	366.5	361.9	358.7	357.4	357.4	358.3
52.5°	393.2	378.2	367.0	358.0	352.1	346.4	342.2	340.2	338.3	340.3	341.8
55°	359.5	344.3	336.0	327.4	321.7	315.1	313.1	312.2	311.0	314.3	315.9
57.5°	323.8	313.1	303.5	294.9	289.8	286.0	283.2	282.7	284.9	286.5	291.9
60°	301.1	288.8	280.1	273.5	267.4	264.9	264.1	263.2	264.9	269.4	276.4
62.5°	276.1	266.1	256.7	251.8	247.3	243.2	243.0	243.5	246.8	252.0	259.0
65°	239.4	230.8	224.6	218.8	215.2	212.7	213.5	215.2	218.8	225.9	233.6
67.5°	202.2	196.2	190.7	186.0	182.4	182.4	183.3	185.8	190.1	198.2	205.3
70°	178.1	171.5	167.0	164.9	162.1	160.4	162.9	167.0	170.7	178.1	184.3
72.5°	154.1	148.5	145.0	143.5	142.4	141.0	141.8	146.2	151.3	158.7	165.9
75°	118.4	116.4	113.9	112.3	111.1	111.9	112.7	116.8	121.0	128.7	137.0
77.5°	86.4	84.3	82.9	82.5	81.8	82.1	84.5	87.5	91.6	97.3	103.5
80°	65.4	64.6	63.8	63.4	63.4	63.8	67.0	69.1	72.8	78.2	83.1
82.5°	47.6	47.1	47.0	46.9	47.2	47.3	49.3	52.0	55.1	59.1	63.4
85°	25.1	24.2	25.5	25.9	25.1	26.3	27.2	28.8	30.0	32.1	34.1
87.5°	9.2	10.1	9.9	10.4	10.6	11.4	11.2	12.7	13.5	14.3	14.0
90°	4.8	5.8	6.7	7.6	8.5	9.4	10.1	10.7	11.4	12.0	12.5
92.5°	17.2	18.1	19.3	20.4	21.5	22.6	23.4	24.3	25.2	26.1	26.6
95°	39.3	40.1	41.4	42.7	44.0	45.3	46.2	47.1	48.0	49.0	49.5
97.5°	63.9	64.9	66.7	68.5	70.3	72.1	73.0	73.8	74.7	75.6	76.0
100°	82.3	83.2	84.8	86.6	88.2	90.0	91.2	92.3	93.5	94.7	95.4
102.5°	104.6	105.4	106.2	107.1	107.9	108.8	110.1	111.4	112.6	113.9	114.7
105°	136.7	137.4	138.2	138.9	139.7	140.5	141.3	142.1	142.9	143.7	144.3
107.5°	171.5	172.1	172.8	173.3	174.0	174.5	174.9	175.3	175.7	176.1	176.3
110°	195.5	196.0	196.4	196.8	197.2	197.6	198.0	198.4	198.8	199.2	199.3



TEST NUMBER: P333407-927

CATALOG NUMBER: S125DIW-S850D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	218.7	219.1	219.6	220.1	220.6	221.1	221.3	221.5	221.7	221.8	221.8
115°	255.6	256.0	256.2	256.4	256.7	257.0	256.8	256.7	256.6	256.4	256.4
117.5°	290.7	290.9	291.1	291.4	291.6	291.8	291.9	292.0	292.1	292.2	292.0
120°	314.9	315.3	315.4	315.5	315.7	315.8	315.8	315.8	315.8	315.8	315.5
122.5°	337.7	337.9	338.3	338.7	339.0	339.3	339.2	339.1	339.0	338.9	338.7
125°	373.0	373.5	373.6	373.8	373.9	374.0	373.8	373.5	373.2	373.0	372.8
127.5°	406.9	407.3	407.4	407.6	407.7	407.9	407.7	407.7	407.5	407.3	407.2
130°	429.0	429.4	429.7	429.9	430.2	430.5	430.3	430.2	430.1	429.9	429.8
132.5°	451.8	452.3	452.3	452.2	452.2	452.1	452.0	451.9	451.7	451.6	451.3
135°	484.2	484.7	484.7	484.9	485.1	485.1	485.1	485.1	485.1	485.1	484.9
137.5°	515.6	516.1	516.4	516.7	517.0	517.3	517.5	517.6	517.8	517.9	517.6
140°	535.4	535.9	536.3	536.7	537.1	537.5	537.7	538.1	538.3	538.5	538.4
142.5°	555.2	555.7	556.3	556.7	557.2	557.7	557.9	558.0	558.2	558.3	558.1
145°	584.9	585.3	585.7	586.1	586.5	586.9	586.9	586.9	586.9	586.9	586.7
147.5°	611.5	611.7	612.0	612.4	612.7	613.0	613.3	613.6	613.9	614.3	613.9
150°	628.1	628.4	628.8	629.4	629.9	630.4	630.4	630.4	630.4	630.4	630.3
152.5°	644.4	644.6	644.8	645.1	645.2	645.5	645.8	646.1	646.4	646.7	646.7
155°	666.9	666.9	667.1	667.2	667.3	667.5	668.0	668.5	669.0	669.6	669.5
157.5°	686.4	686.3	686.5	686.6	686.7	686.9	687.4	687.9	688.4	689.0	688.8
160°	698.2	698.1	698.2	698.4	698.5	698.6	699.2	699.7	700.2	700.7	700.7
162.5°	709.5	709.3	709.4	709.4	709.4	709.5	710.1	710.7	711.3	711.9	711.9
165°	724.1	724.0	724.1	724.2	724.4	724.5	725.0	725.6	726.1	726.6	726.4
167.5°	735.2	735.0	735.0	735.0	735.0	735.0	735.8	736.6	737.4	738.1	738.1
170°	741.8	741.6	741.6	741.6	741.6	741.6	742.4	743.1	743.9	744.7	744.7
172.5°	746.6	746.2	746.2	746.2	746.2	746.2	747.0	747.8	748.6	749.4	749.4
175°	751.8	751.5	751.5	751.5	751.5	751.5	752.3	753.1	753.9	754.7	754.6
177.5°	754.9	754.7	754.6	754.5	754.4	754.2	754.9	755.5	756.1	756.8	756.7
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



TEST NUMBER: P333407-927

CATALOG NUMBER: S125DIW-S850D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	923.4	925.7	923.7	926.4	923.7	925.7	923.4	925.3	928.4	926.4	931.0
5°	851.0	847.4	849.9	848.2	849.9	847.4	851.0	853.1	858.1	859.7	863.0
7.5°	784.3	780.7	776.7	774.8	776.7	780.7	784.3	785.5	789.7	795.9	800.6
10°	742.5	737.9	737.5	734.7	737.5	737.9	742.5	747.0	749.9	757.7	763.0
12.5°	711.9	707.7	703.0	701.8	703.0	707.7	711.9	715.7	716.6	725.5	729.1
15°	668.4	665.1	662.3	664.7	662.3	665.1	668.4	670.9	675.4	681.6	685.7
17.5°	632.3	629.6	629.1	626.1	629.1	629.6	632.3	633.7	641.1	645.2	652.2
20°	609.6	607.5	608.4	603.0	608.4	607.5	609.6	613.3	620.8	622.8	630.2
22.5°	591.5	587.5	587.0	585.9	587.0	587.5	591.5	594.8	596.4	602.7	607.8
25°	563.2	561.1	559.0	561.1	559.0	561.1	563.2	566.8	568.5	573.0	578.0
27.5°	538.4	535.9	535.4	535.6	535.4	535.9	538.4	538.1	542.5	546.1	549.7
30°	523.2	519.1	519.5	519.1	519.5	519.1	523.2	523.2	525.7	529.0	532.3
32.5°	506.8	504.0	503.4	502.6	503.4	504.0	506.8	506.1	509.2	513.2	516.8
35°	482.5	482.5	480.5	480.5	480.5	482.5	482.5	483.7	487.0	487.0	491.2
37.5°	459.7	459.3	458.0	458.3	458.0	459.3	459.7	460.7	461.8	463.6	466.2
40°	442.6	442.2	440.9	438.5	440.9	442.2	442.6	444.3	445.0	447.1	448.8
42.5°	426.1	424.8	424.2	423.3	424.2	424.8	426.1	427.1	427.6	430.3	433.6
45°	400.2	400.2	399.4	399.0	399.4	400.2	400.2	400.2	400.7	403.9	405.6
47.5°	375.1	375.8	377.4	377.2	377.4	375.8	375.1	374.4	374.5	376.2	378.1
50°	359.9	360.4	361.6	361.9	361.6	360.4	359.9	358.3	357.4	357.4	358.7
52.5°	343.2	345.5	347.1	346.8	347.1	345.5	343.2	341.8	340.3	338.3	340.2
55°	319.6	322.5	325.3	325.8	325.3	322.5	319.6	315.9	314.3	311.0	312.2
57.5°	296.4	300.4	303.4	304.4	303.4	300.4	296.4	291.9	286.5	284.9	282.7
60°	280.5	285.9	289.6	291.2	289.6	285.9	280.5	276.4	269.4	264.9	263.2
62.5°	265.4	271.4	275.1	275.4	275.1	271.4	265.4	259.0	252.0	246.8	243.5
65°	240.7	246.8	250.1	252.5	250.1	246.8	240.7	233.6	225.9	218.8	215.2
67.5°	214.0	220.1	223.8	225.8	223.8	220.1	214.0	205.3	198.2	190.1	185.8
70°	194.6	200.7	205.7	207.3	205.7	200.7	194.6	184.3	178.1	170.7	167.0
72.5°	175.5	181.0	185.0	186.9	185.0	181.0	175.5	165.9	158.7	151.3	146.2
75°	142.4	149.7	153.4	155.5	153.4	149.7	142.4	137.0	128.7	121.0	116.8
77.5°	109.7	116.5	118.7	119.8	118.7	116.5	109.7	103.5	97.3	91.6	87.5
80°	88.0	92.1	95.0	95.5	95.0	92.1	88.0	83.1	78.2	72.8	69.1
82.5°	67.7	71.1	72.0	73.0	72.0	71.1	67.7	63.4	59.1	55.1	52.0
85°	37.0	38.7	39.1	38.7	39.1	38.7	37.0	34.1	32.1	30.0	28.8
87.5°	14.7	14.5	14.6	15.3	14.6	14.5	14.7	14.0	14.3	13.5	12.7
90°	12.9	13.3	13.7	14.1	13.7	13.3	12.9	12.5	12.0	11.4	10.7
92.5°	26.9	27.2	27.5	27.7	27.5	27.2	26.9	26.6	26.1	25.2	24.3
95°	49.8	50.1	50.3	50.5	50.3	50.1	49.8	49.5	49.0	48.0	47.1
97.5°	76.2	76.4	76.5	76.7	76.5	76.4	76.2	76.0	75.6	74.7	73.8
100°	95.7	95.9	96.2	96.4	96.2	95.9	95.7	95.4	94.7	93.5	92.3
102.5°	115.1	115.5	115.8	116.2	115.8	115.5	115.1	114.7	113.9	112.6	111.4
105°	144.7	145.0	145.4	145.8	145.4	145.0	144.7	144.3	143.7	142.9	142.1
107.5°	176.3	176.3	176.2	176.2	176.2	176.3	176.3	176.3	176.1	175.7	175.3
110°	199.2	199.0	198.9	198.8	198.9	199.0	199.2	199.3	199.2	198.8	198.4



TEST NUMBER: P333407-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	221.6	221.3	221.1	220.9	221.1	221.3	221.6	221.8	221.8	221.7	221.5
115°	256.2	256.1	256.0	255.8	256.0	256.1	256.2	256.4	256.4	256.6	256.7
117.5°	291.5	291.0	290.4	289.9	290.4	291.0	291.5	292.0	292.2	292.1	292.0
120°	315.1	314.5	313.9	313.5	313.9	314.5	315.1	315.5	315.8	315.8	315.8
122.5°	338.2	337.8	337.4	337.0	337.4	337.8	338.2	338.7	338.9	339.0	339.1
125°	372.6	372.5	372.4	372.2	372.4	372.5	372.6	372.8	373.0	373.2	373.5
127.5°	406.9	406.6	406.4	406.2	406.4	406.6	406.9	407.2	407.3	407.5	407.7
130°	429.5	429.2	429.0	428.7	429.0	429.2	429.5	429.8	429.9	430.1	430.2
132.5°	451.0	450.6	450.3	449.9	450.3	450.6	451.0	451.3	451.6	451.7	451.9
135°	484.3	483.9	483.3	482.8	483.3	483.9	484.3	484.9	485.1	485.1	485.1
137.5°	517.0	516.3	515.7	515.0	515.7	516.3	517.0	517.6	517.9	517.8	517.6
140°	537.7	537.0	536.4	535.8	536.4	537.0	537.7	538.4	538.5	538.3	538.1
142.5°	557.5	556.8	556.1	555.5	556.1	556.8	557.5	558.1	558.3	558.2	558.0
145°	586.3	585.9	585.5	585.1	585.5	585.9	586.3	586.7	586.9	586.9	586.9
147.5°	613.1	612.2	611.3	610.5	611.3	612.2	613.1	613.9	614.3	613.9	613.6
150°	630.0	629.8	629.5	629.2	629.5	629.8	630.0	630.3	630.4	630.4	630.4
152.5°	646.2	645.7	645.2	644.8	645.2	645.7	646.2	646.7	646.7	646.4	646.1
155°	668.8	668.2	667.5	666.9	667.5	668.2	668.8	669.5	669.6	669.0	668.5
157.5°	687.9	687.1	686.2	685.3	686.2	687.1	687.9	688.8	689.0	688.4	687.9
160°	700.0	699.3	698.7	698.1	698.7	699.3	700.0	700.7	700.7	700.2	699.7
162.5°	711.1	710.3	709.6	708.8	709.6	710.3	711.1	711.9	711.9	711.3	710.7
165°	725.7	724.9	724.1	723.3	724.1	724.9	725.7	726.4	726.6	726.1	725.6
167.5°	737.3	736.5	735.7	734.8	735.7	736.5	737.3	738.1	738.1	737.4	736.6
170°	743.7	742.8	741.9	741.0	741.9	742.8	743.7	744.7	744.7	743.9	743.1
172.5°	748.6	747.7	746.9	746.2	746.9	747.7	748.6	749.4	749.4	748.6	747.8
175°	753.7	752.8	751.9	751.0	751.9	752.8	753.7	754.6	754.7	753.9	753.1
177.5°	756.0	755.3	754.6	753.8	754.6	755.3	756.0	756.7	756.8	756.1	755.5
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



TEST NUMBER: P333407-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	926.7	930.7	935.6	939.2	945.8	948.7	952.4	955.3	960.6	965.5	971.5
5°	864.3	871.2	880.7	891.0	902.9	911.2	922.7	929.6	943.6	956.4	968.7
7.5°	807.6	816.2	829.6	842.8	858.4	872.5	886.9	902.9	920.8	941.8	959.3
10°	768.8	780.3	794.7	811.2	830.1	846.5	865.9	883.1	905.0	929.6	952.7
12.5°	737.8	747.7	763.8	779.6	799.8	819.9	839.9	862.8	888.2	915.5	944.4
15°	695.1	703.4	716.5	738.4	758.9	778.7	808.7	830.1	862.2	892.6	927.6
17.5°	658.7	668.9	680.0	698.7	720.0	744.7	771.5	798.4	829.3	867.8	907.3
20°	636.4	644.6	657.4	671.7	694.3	719.1	744.6	771.7	809.5	849.5	891.8
22.5°	612.0	620.9	635.3	651.0	670.0	693.7	721.8	751.6	791.1	830.4	876.3
25°	583.3	589.5	602.6	616.6	635.6	655.7	684.9	717.8	756.9	801.7	848.6
27.5°	556.2	561.7	573.7	585.8	602.9	626.9	653.0	686.2	723.0	768.5	820.5
30°	536.8	542.6	553.3	566.4	582.9	603.9	630.6	661.9	701.3	745.8	800.1
32.5°	520.0	525.1	533.2	546.4	562.4	582.8	607.5	639.4	679.0	724.1	777.4
35°	494.0	499.8	506.0	516.3	530.2	549.9	577.1	607.1	645.0	688.6	737.5
37.5°	468.2	474.4	480.0	489.2	501.9	519.4	542.8	574.1	608.3	650.3	697.3
40°	452.1	457.0	461.5	471.4	484.2	500.6	522.4	550.4	586.6	625.7	664.7
42.5°	435.9	440.5	444.4	453.0	464.8	480.5	501.4	528.6	562.2	598.7	633.1
45°	410.5	413.4	418.0	425.3	434.8	449.2	469.4	493.6	522.0	556.6	582.5
47.5°	383.0	387.5	391.3	397.8	405.5	419.6	438.9	459.6	485.4	511.0	529.3
50°	361.9	366.5	371.9	378.0	385.4	398.6	416.3	437.3	459.1	478.8	494.4
52.5°	342.2	346.4	352.1	358.0	367.0	378.2	393.2	411.9	433.4	447.6	460.6
55°	313.1	315.1	321.7	327.4	336.0	344.3	359.5	376.0	389.1	399.8	410.5
57.5°	283.2	286.0	289.8	294.9	303.5	313.1	323.8	338.3	346.1	351.6	359.9
60°	264.1	264.9	267.4	273.5	280.1	288.8	301.1	311.4	317.1	321.7	328.7
62.5°	243.0	243.2	247.3	251.8	256.7	266.1	276.1	284.4	289.1	291.4	298.1
65°	213.5	212.7	215.2	218.8	224.6	230.8	239.4	246.8	246.4	248.8	252.9
67.5°	183.3	182.4	182.4	186.0	190.7	196.2	202.2	206.4	206.5	209.8	211.8
70°	162.9	160.4	162.1	164.9	167.0	171.5	178.1	179.7	180.1	181.8	183.9
72.5°	141.8	141.0	142.4	143.5	145.0	148.5	154.1	155.1	155.2	156.1	159.5
75°	112.7	111.9	111.1	112.3	113.9	116.4	118.4	120.1	119.7	120.1	122.6
77.5°	84.5	82.1	81.8	82.5	82.9	84.3	86.4	86.3	86.7	86.7	89.4
80°	67.0	63.8	63.4	63.4	63.8	64.6	65.4	66.2	65.0	66.2	67.0
82.5°	49.3	47.3	47.2	46.9	47.0	47.1	47.6	48.2	47.8	48.5	49.0
85°	27.2	26.3	25.1	25.9	25.5	24.2	25.1	23.8	23.4	23.8	24.2
87.5°	11.2	11.4	10.6	10.4	9.9	10.1	9.2	8.6	8.1	8.2	9.0
90°	10.1	9.4	8.5	7.6	6.7	5.8	4.8	3.7	2.7	1.7	0.6
92.5°	23.4	22.6	21.5	20.4	19.3	18.1	17.2	16.4	15.7	15.0	14.3
95°	46.2	45.3	44.0	42.7	41.4	40.1	39.3	39.0	38.7	38.5	38.3
97.5°	73.0	72.1	70.3	68.5	66.7	64.9	63.9	63.8	63.7	63.6	63.5
100°	91.2	90.0	88.2	86.6	84.8	83.2	82.3	82.3	82.3	82.3	82.3
102.5°	110.1	108.8	107.9	107.1	106.2	105.4	104.6	104.1	103.6	103.1	102.6
105°	141.3	140.5	139.7	138.9	138.2	137.4	136.7	136.0	135.4	134.8	134.1
107.5°	174.9	174.5	174.0	173.3	172.8	172.1	171.5	170.9	170.2	169.5	168.9
110°	198.0	197.6	197.2	196.8	196.4	196.0	195.5	194.9	194.2	193.5	192.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	221.3	221.1	220.6	220.1	219.6	219.1	218.7	218.4	218.0	217.7	217.4
115°	256.8	257.0	256.7	256.4	256.2	256.0	255.6	255.0	254.5	254.0	253.5
117.5°	291.9	291.8	291.6	291.4	291.1	290.9	290.7	290.4	290.2	289.9	289.7
120°	315.8	315.8	315.7	315.5	315.4	315.3	314.9	314.3	313.5	312.9	312.3
122.5°	339.2	339.3	339.0	338.7	338.3	337.9	337.7	337.5	337.2	337.0	336.8
125°	373.8	374.0	373.9	373.8	373.6	373.5	373.0	372.2	371.5	370.7	369.9
127.5°	407.7	407.9	407.7	407.6	407.4	407.3	406.9	406.5	406.1	405.6	405.2
130°	430.3	430.5	430.2	429.9	429.7	429.4	429.0	428.3	427.7	427.0	426.4
132.5°	452.0	452.1	452.2	452.2	452.3	452.3	451.8	450.8	449.6	448.6	447.5
135°	485.1	485.1	485.1	484.9	484.7	484.7	484.2	483.4	482.6	481.8	481.0
137.5°	517.5	517.3	517.0	516.7	516.4	516.1	515.6	514.8	514.0	513.3	512.5
140°	537.7	537.5	537.1	536.7	536.3	535.9	535.4	534.7	534.1	533.5	532.8
142.5°	557.9	557.7	557.2	556.7	556.3	555.7	555.2	554.7	554.1	553.6	553.0
145°	586.9	586.9	586.5	586.1	585.7	585.3	584.9	584.3	583.8	583.3	582.8
147.5°	613.3	613.0	612.7	612.4	612.0	611.7	611.5	611.2	610.9	610.6	610.3
150°	630.4	630.4	629.9	629.4	628.8	628.4	628.1	628.3	628.4	628.5	628.7
152.5°	645.8	645.5	645.2	645.1	644.8	644.6	644.4	644.3	644.0	643.9	643.7
155°	668.0	667.5	667.3	667.2	667.1	666.9	666.9	666.9	666.9	666.9	666.9
157.5°	687.4	686.9	686.7	686.6	686.5	686.3	686.4	686.7	687.0	687.3	687.6
160°	699.2	698.6	698.5	698.4	698.2	698.1	698.2	698.6	699.0	699.4	699.8
162.5°	710.1	709.5	709.4	709.4	709.4	709.3	709.5	709.8	710.0	710.3	710.7
165°	725.0	724.5	724.4	724.2	724.1	724.0	724.1	724.3	724.6	724.8	725.1
167.5°	735.8	735.0	735.0	735.0	735.0	735.0	735.2	735.8	736.3	736.8	737.4
170°	742.4	741.6	741.6	741.6	741.6	741.6	741.8	742.4	742.8	743.4	743.9
172.5°	747.0	746.2	746.2	746.2	746.2	746.2	746.6	747.0	747.6	748.1	748.6
175°	752.3	751.5	751.5	751.5	751.5	751.5	751.8	752.3	752.9	753.4	753.9
177.5°	754.9	754.2	754.4	754.5	754.6	754.7	754.9	755.3	755.7	756.2	756.6
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	974.4	979.0	982.0	987.5	992.1	994.8	997.1	999.1	1001.4	1003.4	1008.9
5°	980.6	991.3	1000.4	1014.4	1027.1	1037.0	1047.7	1057.2	1065.0	1076.1	1084.7
7.5°	977.9	997.0	1016.8	1038.5	1060.6	1081.2	1100.1	1117.8	1133.9	1153.3	1170.3
10°	975.3	1001.2	1026.7	1055.9	1085.9	1111.4	1135.3	1159.6	1177.3	1202.0	1222.9
12.5°	973.4	1003.9	1034.6	1069.8	1102.7	1138.8	1170.5	1188.2	1215.1	1234.9	1259.8
15°	965.0	1005.4	1047.7	1087.2	1134.1	1167.4	1195.4	1229.9	1255.0	1280.1	1307.3
17.5°	950.1	995.8	1043.1	1095.0	1140.0	1175.7	1211.7	1245.1	1275.0	1308.7	1342.4
20°	943.3	988.9	1043.1	1096.2	1140.3	1177.7	1214.7	1251.3	1284.2	1327.4	1366.5
22.5°	928.8	984.0	1034.0	1085.7	1131.0	1171.8	1213.7	1255.3	1299.0	1347.8	1396.8
25°	902.9	958.9	1011.9	1063.0	1108.6	1159.6	1204.4	1260.0	1315.9	1380.5	1441.4
27.5°	876.1	929.6	978.3	1027.5	1080.8	1138.5	1196.7	1259.7	1332.9	1414.4	1500.3
30°	854.4	905.0	952.3	1002.8	1058.4	1123.4	1187.2	1262.0	1346.7	1438.4	1540.5
32.5°	829.0	875.7	921.6	975.3	1035.7	1104.3	1178.6	1260.7	1362.6	1466.8	1571.8
35°	785.7	824.7	872.0	929.2	997.5	1076.1	1162.1	1259.1	1375.9	1495.6	1584.1
37.5°	734.3	770.6	820.5	883.1	954.7	1039.0	1141.1	1256.2	1380.3	1475.8	1504.3
40°	699.7	733.4	785.3	850.2	923.4	1012.7	1124.6	1246.3	1366.5	1427.4	1403.9
42.5°	662.8	698.2	748.7	813.1	891.9	989.0	1103.9	1225.7	1326.4	1349.4	1268.4
45°	604.7	641.3	691.0	756.1	840.8	946.1	1065.8	1176.5	1234.5	1192.9	1067.5
47.5°	550.6	584.9	631.1	698.2	785.6	894.5	1009.8	1098.0	1102.6	1003.5	869.5
50°	513.8	545.4	591.9	658.9	745.8	856.0	960.0	1029.6	998.3	886.1	757.2
52.5°	477.6	508.6	554.4	620.8	706.6	807.6	904.4	953.2	894.4	779.1	669.1
55°	425.3	452.5	497.3	558.6	640.1	733.9	816.1	833.0	756.5	642.9	553.7
57.5°	374.3	399.7	440.5	496.9	571.3	654.4	718.7	715.2	634.3	536.9	466.0
60°	339.8	364.5	400.7	455.7	523.6	595.2	650.3	637.2	557.0	473.0	413.4
62.5°	308.9	330.9	365.1	413.3	475.2	541.6	586.8	567.4	488.9	415.4	368.3
65°	263.2	281.8	311.0	352.1	403.5	458.3	493.2	468.1	401.1	343.9	306.0
67.5°	219.8	234.6	259.0	291.9	335.7	379.7	401.0	375.7	322.1	280.4	252.3
70°	192.1	205.3	224.2	253.4	291.7	328.7	344.7	322.1	276.0	240.2	220.1
72.5°	164.5	175.3	191.9	218.2	248.8	281.0	295.0	273.4	235.5	205.3	186.5
75°	127.1	134.5	146.0	164.1	188.4	213.9	221.7	202.8	178.6	155.9	143.5
77.5°	91.0	97.3	106.0	117.4	134.6	150.8	157.6	146.7	127.9	113.6	103.5
80°	69.9	73.2	80.6	90.1	103.7	113.9	118.4	111.5	98.3	87.6	79.8
82.5°	49.8	53.2	57.6	65.4	74.1	81.0	85.9	81.2	71.7	63.3	58.7
85°	24.2	26.3	28.8	32.1	38.7	42.8	42.4	39.5	35.8	32.5	30.0
87.5°	8.9	9.4	10.6	12.4	13.6	15.1	16.0	15.5	14.4	13.5	12.7
90°	1.7	2.7	3.7	4.8	5.8	6.7	7.6	8.5	9.4	10.1	10.7
92.5°	15.0	15.7	16.4	17.2	18.1	19.3	20.4	21.5	22.6	23.4	24.3
95°	38.5	38.7	39.0	39.3	40.1	41.4	42.7	44.0	45.3	46.2	47.1
97.5°	63.6	63.7	63.8	63.9	64.9	66.7	68.5	70.3	72.1	73.0	73.8
100°	82.3	82.3	82.3	82.3	83.2	84.8	86.6	88.2	90.0	91.2	92.3
102.5°	103.1	103.6	104.1	104.6	105.4	106.2	107.1	107.9	108.8	110.1	111.4
105°	134.8	135.4	136.0	136.7	137.4	138.2	138.9	139.7	140.5	141.3	142.1
107.5°	169.5	170.2	170.9	171.5	172.1	172.8	173.3	174.0	174.5	174.9	175.3
110°	193.5	194.2	194.9	195.5	196.0	196.4	196.8	197.2	197.6	198.0	198.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	217.7	218.0	218.4	218.7	219.1	219.6	220.1	220.6	221.1	221.3	221.5
115°	254.0	254.5	255.0	255.6	256.0	256.2	256.4	256.7	257.0	256.8	256.7
117.5°	289.9	290.2	290.4	290.7	290.9	291.1	291.4	291.6	291.8	291.9	292.0
120°	312.9	313.5	314.3	314.9	315.3	315.4	315.5	315.7	315.8	315.8	315.8
122.5°	337.0	337.2	337.5	337.7	337.9	338.3	338.7	339.0	339.3	339.2	339.1
125°	370.7	371.5	372.2	373.0	373.5	373.6	373.8	373.9	374.0	373.8	373.5
127.5°	405.6	406.1	406.5	406.9	407.3	407.4	407.6	407.7	407.9	407.7	407.7
130°	427.0	427.7	428.3	429.0	429.4	429.7	429.9	430.2	430.5	430.3	430.2
132.5°	448.6	449.6	450.8	451.8	452.3	452.3	452.2	452.2	452.1	452.0	451.9
135°	481.8	482.6	483.4	484.2	484.7	484.7	484.9	485.1	485.1	485.1	485.1
137.5°	513.3	514.0	514.8	515.6	516.1	516.4	516.7	517.0	517.3	517.5	517.6
140°	533.5	534.1	534.7	535.4	535.9	536.3	536.7	537.1	537.5	537.7	538.1
142.5°	553.6	554.1	554.7	555.2	555.7	556.3	556.7	557.2	557.7	557.9	558.0
145°	583.3	583.8	584.3	584.9	585.3	585.7	586.1	586.5	586.9	586.9	586.9
147.5°	610.6	610.9	611.2	611.5	611.7	612.0	612.4	612.7	613.0	613.3	613.6
150°	628.5	628.4	628.3	628.1	628.4	628.8	629.4	629.9	630.4	630.4	630.4
152.5°	643.9	644.0	644.3	644.4	644.6	644.8	645.1	645.2	645.5	645.8	646.1
155°	666.9	666.9	666.9	666.9	666.9	667.1	667.2	667.3	667.5	668.0	668.5
157.5°	687.3	687.0	686.7	686.4	686.3	686.5	686.6	686.7	686.9	687.4	687.9
160°	699.4	699.0	698.6	698.2	698.1	698.2	698.4	698.5	698.6	699.2	699.7
162.5°	710.3	710.0	709.8	709.5	709.3	709.4	709.4	709.4	709.5	710.1	710.7
165°	724.8	724.6	724.3	724.1	724.0	724.1	724.2	724.4	724.5	725.0	725.6
167.5°	736.8	736.3	735.8	735.2	735.0	735.0	735.0	735.0	735.0	735.8	736.6
170°	743.4	742.8	742.4	741.8	741.6	741.6	741.6	741.6	741.6	742.4	743.1
172.5°	748.1	747.6	747.0	746.6	746.2	746.2	746.2	746.2	746.2	747.0	747.8
175°	753.4	752.9	752.3	751.8	751.5	751.5	751.5	751.5	751.5	752.3	753.1
177.5°	756.2	755.7	755.3	754.9	754.7	754.6	754.5	754.4	754.2	754.9	755.5
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	1013.5	1016.2	1021.8	1019.8	1022.5	1023.7	1025.1
5°	1095.4	1108.6	1114.4	1113.5	1122.1	1120.1	1118.0
7.5°	1187.9	1201.7	1209.4	1219.1	1224.6	1225.0	1229.9
10°	1240.2	1258.3	1265.7	1276.0	1282.5	1286.3	1285.9
12.5°	1280.3	1294.5	1311.1	1316.1	1325.0	1329.7	1328.0
15°	1328.6	1351.3	1368.6	1377.2	1388.3	1391.5	1396.1
17.5°	1371.7	1402.1	1422.3	1449.1	1459.2	1465.4	1461.7
20°	1404.3	1444.2	1464.4	1496.5	1514.2	1523.6	1520.4
22.5°	1442.8	1486.1	1523.3	1551.1	1578.0	1590.8	1593.4
25°	1508.8	1568.0	1622.8	1659.4	1692.7	1700.5	1717.8
27.5°	1582.5	1652.4	1710.9	1749.4	1772.6	1781.3	1786.7
30°	1629.0	1698.4	1742.5	1767.1	1774.6	1773.7	1772.9
32.5°	1651.6	1695.2	1703.6	1696.7	1679.7	1665.5	1650.5
35°	1619.5	1587.0	1538.4	1475.9	1429.8	1383.4	1378.8
37.5°	1456.5	1352.6	1271.8	1181.5	1129.5	1097.3	1075.1
40°	1303.1	1185.1	1087.2	1011.1	958.0	937.1	916.5
42.5°	1136.6	1023.8	937.2	873.5	833.6	810.3	794.1
45°	923.4	823.9	756.1	710.0	678.3	660.2	649.9
47.5°	756.7	683.1	625.4	592.2	570.3	556.2	556.3
50°	667.2	596.8	558.6	532.3	513.3	502.2	504.3
52.5°	587.9	535.4	502.6	480.6	466.6	459.8	459.5
55°	491.5	453.7	432.3	416.3	406.8	399.0	400.7
57.5°	420.5	388.6	374.2	360.9	354.3	351.2	346.7
60°	376.4	351.7	339.4	328.7	322.1	319.6	315.1
62.5°	337.2	317.8	305.8	297.1	291.1	290.3	286.8
65°	283.4	268.6	257.9	253.8	247.6	246.0	246.0
67.5°	233.6	223.0	214.8	211.0	208.2	208.7	206.7
70°	202.4	193.8	188.4	184.3	182.2	182.6	181.0
72.5°	177.1	167.4	162.7	160.3	157.6	158.6	158.0
75°	134.1	129.1	126.7	124.2	122.6	121.8	121.0
77.5°	98.5	94.1	92.2	90.9	91.1	89.1	90.6
80°	76.1	72.4	71.1	69.1	68.7	68.7	68.3
82.5°	55.7	53.6	52.8	51.0	50.3	50.9	49.8
85°	28.8	27.2	26.8	26.8	25.9	25.1	27.2
87.5°	12.8	11.6	11.7	11.5	11.6	11.3	10.7
90°	11.4	12.0	12.5	12.9	13.3	13.7	14.1
92.5°	25.2	26.1	26.6	26.9	27.2	27.5	27.7
95°	48.0	49.0	49.5	49.8	50.1	50.3	50.5
97.5°	74.7	75.6	76.0	76.2	76.4	76.5	76.7
100°	93.5	94.7	95.4	95.7	95.9	96.2	96.4
102.5°	112.6	113.9	114.7	115.1	115.5	115.8	116.2
105°	142.9	143.7	144.3	144.7	145.0	145.4	145.8
107.5°	175.7	176.1	176.3	176.3	176.3	176.2	176.2
110°	198.8	199.2	199.3	199.2	199.0	198.9	198.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	221.7	221.8	221.8	221.6	221.3	221.1	220.9
115°	256.6	256.4	256.4	256.2	256.1	256.0	255.8
117.5°	292.1	292.2	292.0	291.5	291.0	290.4	289.9
120°	315.8	315.8	315.5	315.1	314.5	313.9	313.5
122.5°	339.0	338.9	338.7	338.2	337.8	337.4	337.0
125°	373.2	373.0	372.8	372.6	372.5	372.4	372.2
127.5°	407.5	407.3	407.2	406.9	406.6	406.4	406.2
130°	430.1	429.9	429.8	429.5	429.2	429.0	428.7
132.5°	451.7	451.6	451.3	451.0	450.6	450.3	449.9
135°	485.1	485.1	484.9	484.3	483.9	483.3	482.8
137.5°	517.8	517.9	517.6	517.0	516.3	515.7	515.0
140°	538.3	538.5	538.4	537.7	537.0	536.4	535.8
142.5°	558.2	558.3	558.1	557.5	556.8	556.1	555.5
145°	586.9	586.9	586.7	586.3	585.9	585.5	585.1
147.5°	613.9	614.3	613.9	613.1	612.2	611.3	610.5
150°	630.4	630.4	630.3	630.0	629.8	629.5	629.2
152.5°	646.4	646.7	646.7	646.2	645.7	645.2	644.8
155°	669.0	669.6	669.5	668.8	668.2	667.5	666.9
157.5°	688.4	689.0	688.8	687.9	687.1	686.2	685.3
160°	700.2	700.7	700.7	700.0	699.3	698.7	698.1
162.5°	711.3	711.9	711.9	711.1	710.3	709.6	708.8
165°	726.1	726.6	726.4	725.7	724.9	724.1	723.3
167.5°	737.4	738.1	738.1	737.3	736.5	735.7	734.8
170°	743.9	744.7	744.7	743.7	742.8	741.9	741.0
172.5°	748.6	749.4	749.4	748.6	747.7	746.9	746.2
175°	753.9	754.7	754.6	753.7	752.8	751.9	751.0
177.5°	756.1	756.8	756.7	756.0	755.3	754.6	753.8
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7

(END OF REPORT)