

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: P333533-840

Luminaire Tested: **S125RDIP-S610D810U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333533-840
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: S125RDIP-S610D810U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5254.9 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

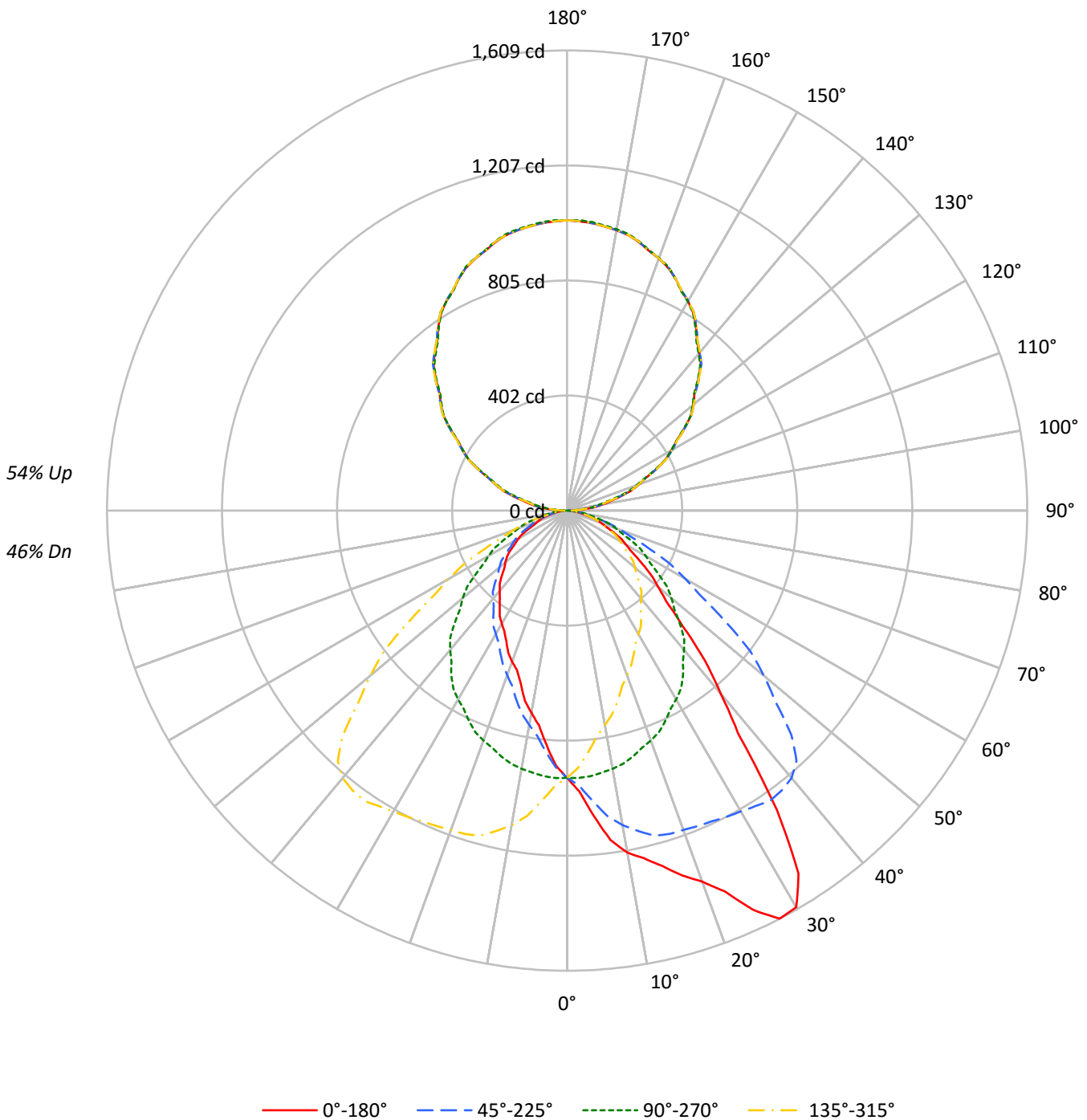
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46																												
1	97	93	89	86	89	86	83	80	72	69	67	59	57	56	47	46	45	40																												
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34																												
3	81	72	65	59	74	67	60	55	56	52	48	46	43	40	37	35	33	29																												
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	34	31	29	25																												
5	68	57	49	43	63	53	46	41	45	40	35	37	33	30	30	28	25	22																												
6	63	51	43	38	58	48	41	35	40	35	31	34	30	27	28	25	22	19																												
7	58	46	39	33	53	43	36	31	37	31	27	31	27	24	25	22	20	17																												
8	54	42	34	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15																												
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14																												
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6035	6035	6035	6035
5°	6944	6043	5337	6043
10°	7965	6013	4709	6013
15°	8603	5951	4186	5951
20°	9487	5880	3865	5880
25°	10979	5784	3587	5784
30°	11946	5684	3404	5684
35°	10078	5568	3236	5568
40°	7038	5359	3092	5359
45°	5221	5076	2951	5076
50°	4163	4784	2829	4784
55°	3533	4418	2721	4418
60°	3052	4093	2547	4093
65°	2720	3741	2193	3741
70°	2391	3427	1998	3427
75°	2069	2969	1876	2969
80°	1570	2499	1570	2499
85°	1312	1964	1482	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	1.7
10°-20°	262.6	5.0
20°-30°	416.4	7.9
30°-40°	502.1	9.6
40°-50°	448.4	8.5
50°-60°	343.9	6.5
60°-70°	223.5	4.3
70°-80°	108.6	2.1
80°-90°	28.2	0.5
90°-100°	68.0	1.3
100°-110°	200.7	3.8
110°-120°	339.9	6.5
120°-130°	447.4	8.5
130°-140°	501.3	9.5
140°-150°	491.3	9.3
150°-160°	412.7	7.9
160°-170°	274.3	5.2
170°-180°	96.0	1.8
0°-30°	768.6	14.6
0°-40°	1270.8	24.2
0°-60°	2063.1	39.3
0°-90°	2423.4	46.1
90°-120°	608.6	11.6
90°-150°	2048.6	39.0
90°-180°	2832.0	53.9
0°-180°	5254.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	1071	932	823	932	1071	107
15°	1287	890	626	890	1287	369
25°	1541	812	503	812	1541	707
35°	1278	706	410	706	1278	772
45°	572	556	323	556	572	456
55°	314	392	242	392	314	285
65°	178	245	144	245	178	177
75°	83	119	75	119	83	88
85°	18	26	20	26	18	21
90°	19	1	19	1	19	12
95°	68	51	68	51	68	69
105°	196	180	196	180	196	207
115°	344	340	344	340	344	340
125°	500	497	500	497	500	446
135°	648	646	648	646	648	500
145°	786	782	786	782	786	490
155°	895	895	895	895	895	412
165°	971	974	971	974	971	274
175°	1008	1012	1008	1012	1008	96
180°	1015	1015	1015	1015	1015	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	983.0	982.4	983.6	980.2	980.6	975.3	975.3	971.3	966.1	962.1	960.3
5°	1071.1	1071.9	1070.3	1064.5	1060.7	1054.9	1048.4	1036.9	1027.3	1018.1	1010.9
7.5°	1161.7	1162.3	1157.2	1155.5	1145.8	1138.7	1124.3	1108.6	1094.7	1077.0	1063.6
10°	1214.6	1214.2	1208.8	1204.6	1196.1	1185.4	1171.1	1152.8	1135.5	1116.3	1097.9
12.5°	1245.3	1244.3	1242.5	1237.4	1229.6	1220.0	1208.0	1189.9	1168.6	1147.6	1126.2
15°	1286.7	1283.9	1279.0	1272.4	1261.3	1250.2	1236.8	1220.7	1200.3	1176.6	1156.6
17.5°	1337.9	1338.0	1330.3	1321.3	1306.2	1286.5	1265.8	1239.8	1212.1	1186.0	1164.8
20°	1380.3	1379.1	1371.4	1353.8	1336.6	1312.0	1288.2	1256.4	1222.6	1188.4	1162.0
22.5°	1441.0	1438.0	1430.1	1406.8	1380.1	1348.5	1312.1	1273.2	1232.4	1193.7	1158.9
25°	1540.7	1538.3	1522.6	1495.7	1458.1	1409.4	1361.8	1308.5	1249.8	1198.8	1156.6
27.5°	1608.7	1606.2	1594.6	1572.3	1537.5	1486.3	1421.9	1350.7	1277.4	1207.2	1146.3
30°	1601.9	1607.7	1606.2	1595.9	1569.7	1523.7	1464.3	1384.1	1297.0	1214.6	1142.1
32.5°	1505.6	1510.8	1524.3	1544.6	1546.1	1527.7	1483.3	1409.3	1319.1	1225.3	1138.6
35°	1278.2	1285.2	1311.2	1352.2	1405.9	1450.9	1460.1	1420.2	1339.2	1238.3	1133.6
37.5°	982.7	1020.5	1042.4	1085.6	1166.7	1249.3	1328.7	1358.0	1323.5	1232.9	1125.4
40°	834.8	843.9	883.1	931.8	1000.1	1086.0	1199.2	1280.9	1283.5	1220.7	1112.5
42.5°	714.5	726.1	753.0	791.8	850.3	936.2	1053.1	1160.9	1210.8	1186.9	1095.6
45°	571.6	580.4	600.0	629.9	674.8	745.8	846.3	971.0	1070.0	1108.6	1050.4
47.5°	469.6	474.3	491.3	514.1	547.3	599.1	676.8	785.1	903.8	987.0	978.9
50°	414.3	419.7	432.7	450.0	478.0	521.7	583.9	674.0	796.4	898.1	918.4
52.5°	371.3	375.8	384.0	400.3	423.3	457.0	507.2	588.8	698.8	806.9	853.9
55°	313.8	316.9	323.4	332.5	351.0	375.2	418.5	474.9	563.9	672.9	741.9
57.5°	266.4	267.9	272.1	280.5	293.3	310.9	342.2	390.1	453.9	552.0	628.2
60°	236.3	237.8	243.2	248.9	258.9	275.1	299.6	333.0	394.4	475.3	552.4
62.5°	212.4	213.3	215.6	221.4	230.0	242.6	261.9	289.1	337.9	409.0	481.8
65°	178.0	178.3	179.2	183.8	189.1	198.3	211.0	230.1	267.0	320.7	385.2
67.5°	145.0	145.5	148.2	149.9	155.4	160.3	167.7	182.4	208.3	244.5	294.6
70°	126.6	126.2	128.9	130.8	132.7	138.5	143.5	155.3	171.5	199.1	241.0
72.5°	109.4	108.5	109.6	110.3	112.8	116.7	121.7	129.0	141.4	160.5	192.4
75°	82.9	83.2	83.2	84.0	85.9	87.5	89.0	92.8	99.8	112.4	129.7
77.5°	58.2	57.6	59.2	59.4	60.5	62.2	63.5	65.0	67.9	73.1	82.0
80°	42.2	42.2	42.6	43.7	43.3	44.1	46.0	47.6	51.0	54.1	57.2
82.5°	32.4	32.1	32.4	32.7	32.6	33.3	34.0	34.3	35.6	37.2	39.4
85°	17.7	17.7	18.1	18.1	18.4	18.4	18.8	18.8	18.8	19.2	19.6
87.5°	10.5	10.1	9.7	9.6	9.8	10.3	9.8	9.3	9.2	9.0	9.0
90°	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.3	13.5	12.6	11.4
92.5°	37.3	36.9	36.5	36.2	35.7	34.9	33.8	32.6	31.5	30.3	28.8
95°	67.9	67.6	67.3	66.9	66.6	65.7	64.5	63.2	62.0	60.8	59.1
97.5°	103.0	102.8	102.5	102.3	102.1	101.5	100.3	99.2	98.0	96.8	94.4
100°	129.5	129.2	128.8	128.5	128.2	127.1	125.5	124.0	122.4	120.8	118.6
102.5°	156.0	155.5	155.0	154.6	154.1	153.0	151.3	149.6	147.8	146.1	144.9
105°	195.8	195.3	194.8	194.3	193.7	193.0	191.9	190.9	189.8	188.7	187.6
107.5°	236.6	236.6	236.6	236.7	236.7	236.5	235.9	235.4	234.9	234.4	233.6
110°	266.9	267.1	267.2	267.4	267.6	267.4	266.9	266.4	265.9	265.3	264.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	296.6	296.9	297.2	297.5	297.9	297.9	297.6	297.4	297.2	296.9	296.3
115°	343.6	343.7	343.9	344.1	344.2	344.4	344.6	344.8	344.9	345.1	344.8
117.5°	389.3	390.0	390.7	391.4	392.1	392.4	392.2	392.1	391.9	391.8	391.5
120°	420.9	421.6	422.3	423.0	423.7	424.0	424.0	424.0	424.0	424.0	423.8
122.5°	452.5	453.0	453.6	454.1	454.7	455.0	455.2	455.3	455.4	455.7	455.1
125°	499.9	500.1	500.2	500.4	500.6	500.8	501.2	501.5	501.9	502.2	502.0
127.5°	545.3	545.7	546.0	546.4	546.7	547.0	547.1	547.3	547.5	547.8	547.5
130°	575.6	576.0	576.3	576.7	577.0	577.3	577.5	577.6	577.8	578.0	577.6
132.5°	604.1	604.6	605.1	605.6	606.0	606.4	606.5	606.7	606.9	607.1	607.1
135°	648.3	649.0	649.7	650.5	651.2	651.5	651.5	651.5	651.5	651.5	651.3
137.5°	691.6	692.5	693.4	694.2	695.1	695.4	695.2	695.0	694.8	694.6	694.2
140°	719.4	720.2	721.1	722.1	722.9	723.2	722.8	722.5	722.2	721.8	721.2
142.5°	745.9	746.8	747.7	748.5	749.4	749.7	749.5	749.3	749.1	748.9	748.2
145°	785.7	786.3	786.8	787.3	787.8	788.1	788.1	788.1	788.1	788.1	787.6
147.5°	819.7	820.9	822.0	823.2	824.5	824.9	824.5	823.9	823.5	823.1	822.7
150°	845.0	845.3	845.7	846.0	846.4	846.6	846.6	846.6	846.6	846.6	845.9
152.5°	865.8	866.5	867.1	867.7	868.3	868.4	868.0	867.6	867.2	866.8	866.5
155°	895.4	896.4	897.3	898.1	899.0	899.1	898.4	897.7	897.0	896.3	896.1
157.5°	920.3	921.4	922.6	923.7	924.9	925.1	924.4	923.7	923.0	922.3	922.1
160°	937.4	938.2	939.1	940.0	940.9	940.9	940.2	939.6	938.9	938.2	938.0
162.5°	951.9	952.9	953.9	954.9	955.9	956.0	955.2	954.3	953.5	952.7	952.6
165°	971.3	972.3	973.4	974.4	975.5	975.6	975.0	974.3	973.6	972.9	972.7
167.5°	986.7	987.8	989.0	990.1	991.1	991.2	990.1	989.1	988.0	986.9	986.9
170°	995.0	996.2	997.4	998.7	999.9	1000.0	999.0	997.8	996.8	995.7	995.7
172.5°	1001.9	1003.0	1004.1	1005.2	1006.3	1006.3	1005.2	1004.2	1003.1	1002.1	1002.1
175°	1008.5	1009.7	1010.9	1012.1	1013.3	1013.4	1012.4	1011.3	1010.3	1009.2	1009.2
177.5°	1012.2	1013.2	1014.2	1015.1	1016.1	1016.2	1015.3	1014.5	1013.7	1012.8	1013.0
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	960.3	958.2	954.1	950.5	945.8	941.9	939.1	935.7	931.4	926.2	921.9
5°	1002.8	994.3	983.2	973.6	961.4	951.8	941.8	932.2	922.6	910.3	899.6
7.5°	1049.9	1032.5	1015.5	994.2	974.8	957.6	941.0	924.2	907.8	890.4	873.5
10°	1078.7	1057.6	1034.2	1007.3	982.8	959.5	938.0	916.9	894.6	875.0	853.9
12.5°	1105.7	1078.5	1051.8	1017.8	988.4	959.8	932.4	906.2	882.3	857.0	834.2
15°	1130.1	1103.3	1073.4	1032.0	990.9	956.3	924.1	890.0	860.5	832.0	806.8
17.5°	1139.5	1111.5	1076.6	1036.8	992.0	948.6	907.1	869.6	834.9	801.7	773.3
20°	1135.9	1108.6	1073.0	1035.0	987.0	941.8	896.9	855.5	816.7	781.8	751.5
22.5°	1127.0	1098.8	1064.4	1024.3	978.8	930.7	882.8	838.6	798.0	761.8	728.8
25°	1113.7	1075.3	1040.0	1000.9	957.6	910.0	860.5	811.7	768.4	731.5	695.5
27.5°	1099.7	1051.9	1007.0	968.1	922.3	879.9	832.1	782.2	736.6	699.1	662.2
30°	1087.2	1033.5	984.0	939.9	896.6	856.3	810.9	762.2	715.5	676.7	639.1
32.5°	1071.6	1014.4	960.1	909.2	867.4	827.4	786.4	739.8	694.3	654.3	616.1
35°	1051.9	979.0	919.9	865.9	819.4	780.6	743.9	706.2	660.6	619.1	582.0
37.5°	1026.1	943.4	875.0	816.1	767.2	728.2	699.2	664.8	623.2	583.5	549.0
40°	1010.5	917.7	842.8	784.5	733.1	692.1	664.8	635.6	597.6	560.5	525.9
42.5°	989.6	894.0	810.3	749.5	697.8	658.3	630.8	605.3	573.4	538.4	501.4
45°	948.7	848.2	760.3	695.1	643.0	604.2	578.5	555.8	531.7	499.5	467.3
47.5°	895.4	800.4	708.4	637.2	586.1	550.2	525.2	507.4	490.1	462.7	431.4
50°	852.8	761.1	671.4	602.3	547.9	513.6	490.3	476.1	460.3	435.5	409.3
52.5°	802.4	720.6	632.7	562.1	510.7	478.7	456.2	442.0	429.0	408.7	383.8
55°	723.2	651.4	570.8	506.8	459.6	427.4	405.9	392.4	384.8	367.5	347.9
57.5°	631.6	580.2	509.2	447.4	405.7	373.8	358.1	346.7	338.0	325.8	311.9
60°	567.7	531.7	468.0	409.3	370.9	340.6	326.5	316.9	308.8	298.4	287.7
62.5°	503.0	476.8	421.4	370.9	335.7	310.2	297.0	288.3	279.0	272.1	261.7
65°	416.3	392.8	354.5	315.0	282.4	262.1	252.5	244.8	239.0	231.4	224.0
67.5°	323.8	314.3	287.8	260.5	237.1	219.0	210.8	205.4	198.4	193.9	188.8
70°	267.0	262.4	243.6	225.6	203.7	191.5	183.8	181.5	173.0	168.4	164.9
72.5°	216.7	214.5	203.7	191.2	175.8	165.0	157.9	155.3	150.0	146.3	144.1
75°	148.5	149.3	147.3	139.3	133.5	126.6	120.5	119.0	115.1	112.0	110.1
77.5°	93.9	97.9	98.0	97.6	95.3	91.1	88.6	87.4	83.6	82.5	82.0
80°	64.4	68.7	72.5	72.1	71.4	70.2	68.3	67.2	65.2	64.0	63.3
82.5°	42.9	46.9	50.1	52.2	52.0	50.9	49.6	49.0	48.7	47.8	47.7
85°	20.3	21.1	22.2	24.9	26.9	27.3	26.9	26.5	25.3	25.8	26.1
87.5°	9.1	8.9	8.9	8.7	8.1	9.3	10.0	10.0	9.7	9.3	9.0
90°	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	27.3	25.8	24.2	23.0	22.0	21.1	20.1	19.1	20.1	21.1	22.0
95°	57.3	55.5	53.8	52.7	52.4	52.0	51.7	51.3	51.7	52.0	52.4
97.5°	92.0	89.6	87.2	85.8	85.7	85.5	85.4	85.3	85.4	85.5	85.7
100°	116.2	114.0	111.7	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
102.5°	143.8	142.6	141.5	140.6	139.9	139.2	138.5	137.7	138.5	139.2	139.9
105°	186.6	185.6	184.5	183.6	182.7	181.8	181.0	180.1	181.0	181.8	182.7
107.5°	232.8	232.0	231.2	230.4	229.4	228.5	227.6	226.8	227.6	228.5	229.4
110°	264.3	263.8	263.3	262.6	261.7	260.7	259.9	259.0	259.9	260.7	261.7



TEST NUMBER: P333533-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	295.6	294.9	294.3	293.7	293.3	292.8	292.4	291.9	292.4	292.8	293.3
115°	344.4	344.1	343.7	343.2	342.4	341.7	341.0	340.3	341.0	341.7	342.4
117.5°	391.2	390.9	390.6	390.2	389.9	389.6	389.3	389.0	389.3	389.6	389.9
120°	423.7	423.5	423.3	422.8	421.9	421.1	420.2	419.3	420.2	421.1	421.9
122.5°	454.7	454.2	453.8	453.4	453.1	452.8	452.5	452.1	452.5	452.8	453.1
125°	501.9	501.7	501.5	500.9	499.9	498.8	497.8	496.7	497.8	498.8	499.9
127.5°	547.2	547.0	546.8	546.4	545.8	545.2	544.7	544.1	544.7	545.2	545.8
130°	577.3	576.9	576.6	576.0	575.1	574.3	573.4	572.5	573.4	574.3	575.1
132.5°	607.2	607.3	607.3	606.7	605.2	603.8	602.4	601.0	602.4	603.8	605.2
135°	651.2	651.0	650.8	650.2	649.1	648.0	647.0	645.9	647.0	648.0	649.1
137.5°	693.8	693.5	693.1	692.4	691.4	690.3	689.3	688.3	689.3	690.3	691.4
140°	720.7	720.1	719.6	718.9	718.1	717.2	716.3	715.5	716.3	717.2	718.1
142.5°	747.6	746.9	746.3	745.6	744.8	744.1	743.4	742.7	743.4	744.1	744.8
145°	787.0	786.5	786.0	785.4	784.7	784.0	783.3	782.5	783.3	784.0	784.7
147.5°	822.3	821.9	821.4	821.0	820.7	820.3	819.9	819.5	819.9	820.3	820.7
150°	845.2	844.4	843.7	843.4	843.6	843.8	843.9	844.1	843.9	843.8	843.6
152.5°	866.2	865.9	865.7	865.4	865.2	864.8	864.6	864.3	864.6	864.8	865.2
155°	896.0	895.8	895.5	895.4	895.4	895.4	895.4	895.4	895.4	895.4	895.4
157.5°	922.0	921.8	921.6	921.7	922.1	922.5	922.9	923.3	922.9	922.5	922.1
160°	937.8	937.6	937.5	937.6	938.2	938.7	939.2	939.7	939.2	938.7	938.2
162.5°	952.6	952.5	952.5	952.7	953.1	953.4	953.8	954.2	953.8	953.4	953.1
165°	972.5	972.3	972.2	972.3	972.6	973.0	973.3	973.7	973.3	973.0	972.6
167.5°	986.9	986.9	986.9	987.2	988.0	988.7	989.4	990.1	989.4	988.7	988.0
170°	995.7	995.7	995.7	996.1	996.8	997.5	998.3	999.0	998.3	997.5	996.8
172.5°	1002.1	1002.1	1002.1	1002.4	1003.1	1003.8	1004.5	1005.2	1004.5	1003.8	1003.1
175°	1009.2	1009.2	1009.2	1009.6	1010.3	1011.0	1011.7	1012.4	1011.7	1011.0	1010.3
177.5°	1013.1	1013.3	1013.4	1013.7	1014.3	1014.9	1015.4	1016.0	1015.4	1014.9	1014.3
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333533-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	918.9	914.5	911.5	905.3	901.0	899.2	895.9	894.9	898.3	895.9	895.5
5°	891.5	880.4	871.6	862.7	853.1	847.1	837.8	836.3	833.9	830.5	829.8
7.5°	858.8	844.2	832.9	818.3	805.7	795.5	784.0	778.5	775.5	771.0	765.1
10°	836.7	819.4	804.1	789.5	773.8	761.1	749.6	740.7	735.0	729.6	727.3
12.5°	814.9	797.3	777.7	760.0	742.5	728.2	715.5	709.7	703.4	697.1	691.8
15°	781.0	757.6	736.2	715.8	700.8	685.5	673.3	664.8	655.2	652.6	642.2
17.5°	745.2	722.2	697.0	675.6	658.3	641.4	627.9	618.3	611.1	601.2	596.4
20°	722.8	695.5	671.0	651.4	632.2	612.3	598.4	590.4	583.5	575.4	571.6
22.5°	698.8	672.2	647.0	624.1	604.6	584.9	575.1	566.7	559.0	551.5	546.4
25°	663.7	636.8	610.4	586.5	566.2	552.0	540.5	530.9	526.7	519.4	514.0
27.5°	628.9	600.4	572.9	549.2	533.2	519.2	509.8	502.2	494.5	488.2	483.5
30°	606.5	577.3	547.4	528.7	511.7	498.4	488.0	480.7	474.9	469.2	465.7
32.5°	584.1	554.0	527.5	507.2	491.2	479.6	469.0	461.9	455.9	449.5	445.5
35°	548.2	517.5	496.0	476.1	460.3	449.6	442.3	432.3	427.4	422.7	418.5
37.5°	514.8	486.3	463.0	445.6	431.9	421.2	411.8	406.4	400.3	396.2	392.6
40°	490.3	464.1	443.1	424.6	414.7	402.8	393.9	387.1	382.4	377.1	373.2
42.5°	468.2	443.9	423.4	406.9	394.5	384.4	375.9	369.0	363.1	359.3	356.1
45°	437.0	412.7	392.8	377.5	366.0	356.4	347.6	344.1	336.4	331.8	330.3
47.5°	404.7	383.0	363.8	349.6	337.8	328.7	320.4	313.5	309.2	304.7	302.3
50°	382.8	362.1	344.1	330.3	318.8	308.8	301.1	296.5	290.7	286.6	283.5
52.5°	361.0	341.8	323.9	310.6	300.6	290.7	282.2	277.5	272.1	269.3	267.2
55°	329.9	309.6	294.3	281.1	270.8	261.7	253.6	248.9	245.5	242.9	242.1
57.5°	294.6	278.5	264.3	252.5	241.8	233.1	226.0	221.7	218.6	218.2	215.9
60°	271.6	257.0	244.0	231.4	222.1	214.1	207.9	203.0	199.9	199.4	198.7
62.5°	248.6	234.6	222.5	211.4	203.1	195.3	189.6	183.9	182.1	180.2	178.4
65°	214.4	201.8	191.8	183.0	174.2	167.6	161.9	158.4	154.2	151.9	147.7
67.5°	180.9	171.1	161.5	154.1	147.1	141.0	136.2	131.1	128.3	126.3	123.3
70°	158.9	151.2	141.6	133.5	128.2	123.1	119.3	113.5	111.6	110.1	108.6
72.5°	137.9	131.2	123.1	116.6	111.3	106.5	102.1	99.5	97.6	95.9	95.0
75°	108.6	102.0	95.1	90.5	86.7	82.9	80.6	78.7	77.9	77.5	75.9
77.5°	79.7	76.2	70.7	67.1	64.5	63.0	60.9	59.9	59.9	58.2	57.7
80°	61.0	59.1	54.4	52.9	51.0	49.5	48.4	46.5	44.5	43.7	42.6
82.5°	45.3	43.4	41.6	39.1	37.6	36.6	35.4	34.7	34.9	33.9	33.3
85°	24.1	22.2	21.5	21.1	20.3	21.1	20.7	20.3	20.0	19.6	20.0
87.5°	9.0	9.2	9.2	10.0	9.3	9.9	10.1	9.9	10.1	10.3	10.1
90°	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.3	15.2	16.2	16.9
92.5°	23.0	24.2	25.8	27.3	28.8	30.3	31.5	32.6	33.8	34.9	35.7
95°	52.7	53.8	55.5	57.3	59.1	60.8	62.0	63.2	64.5	65.7	66.6
97.5°	85.8	87.2	89.6	92.0	94.4	96.8	98.0	99.2	100.3	101.5	102.1
100°	110.6	111.7	114.0	116.2	118.6	120.8	122.4	124.0	125.5	127.1	128.2
102.5°	140.6	141.5	142.6	143.8	144.9	146.1	147.8	149.6	151.3	153.0	154.1
105°	183.6	184.5	185.6	186.6	187.6	188.7	189.8	190.9	191.9	193.0	193.7
107.5°	230.4	231.2	232.0	232.8	233.6	234.4	234.9	235.4	235.9	236.5	236.7
110°	262.6	263.3	263.8	264.3	264.8	265.3	265.9	266.4	266.9	267.4	267.6



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CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	293.7	294.3	294.9	295.6	296.3	296.9	297.2	297.4	297.6	297.9	297.9
115°	343.2	343.7	344.1	344.4	344.8	345.1	344.9	344.8	344.6	344.4	344.2
117.5°	390.2	390.6	390.9	391.2	391.5	391.8	391.9	392.1	392.2	392.4	392.1
120°	422.8	423.3	423.5	423.7	423.8	424.0	424.0	424.0	424.0	424.0	423.7
122.5°	453.4	453.8	454.2	454.7	455.1	455.7	455.4	455.3	455.2	455.0	454.7
125°	500.9	501.5	501.7	501.9	502.0	502.2	501.9	501.5	501.2	500.8	500.6
127.5°	546.4	546.8	547.0	547.2	547.5	547.8	547.5	547.3	547.1	547.0	546.7
130°	576.0	576.6	576.9	577.3	577.6	578.0	577.8	577.6	577.5	577.3	577.0
132.5°	606.7	607.3	607.3	607.2	607.1	607.1	606.9	606.7	606.5	606.4	606.0
135°	650.2	650.8	651.0	651.2	651.3	651.5	651.5	651.5	651.5	651.5	651.2
137.5°	692.4	693.1	693.5	693.8	694.2	694.6	694.8	695.0	695.2	695.4	695.1
140°	718.9	719.6	720.1	720.7	721.2	721.8	722.2	722.5	722.8	723.2	722.9
142.5°	745.6	746.3	746.9	747.6	748.2	748.9	749.1	749.3	749.5	749.7	749.4
145°	785.4	786.0	786.5	787.0	787.6	788.1	788.1	788.1	788.1	788.1	787.8
147.5°	821.0	821.4	821.9	822.3	822.7	823.1	823.5	823.9	824.5	824.9	824.5
150°	843.4	843.7	844.4	845.2	845.9	846.6	846.6	846.6	846.6	846.6	846.4
152.5°	865.4	865.7	865.9	866.2	866.5	866.8	867.2	867.6	868.0	868.4	868.3
155°	895.4	895.5	895.8	896.0	896.1	896.3	897.0	897.7	898.4	899.1	899.0
157.5°	921.7	921.6	921.8	922.0	922.1	922.3	923.0	923.7	924.4	925.1	924.9
160°	937.6	937.5	937.6	937.8	938.0	938.2	938.9	939.6	940.2	940.9	940.9
162.5°	952.7	952.5	952.5	952.6	952.6	952.7	953.5	954.3	955.2	956.0	955.9
165°	972.3	972.2	972.3	972.5	972.7	972.9	973.6	974.3	975.0	975.6	975.5
167.5°	987.2	986.9	986.9	986.9	986.9	986.9	988.0	989.1	990.1	991.2	991.1
170°	996.1	995.7	995.7	995.7	995.7	995.7	996.8	997.8	999.0	1000.0	999.9
172.5°	1002.4	1002.1	1002.1	1002.1	1002.1	1002.1	1003.1	1004.2	1005.2	1006.3	1006.3
175°	1009.6	1009.2	1009.2	1009.2	1009.2	1009.2	1010.3	1011.3	1012.4	1013.4	1013.3
177.5°	1013.7	1013.4	1013.3	1013.1	1013.0	1012.8	1013.7	1014.5	1015.3	1016.2	1016.1
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333533-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.2	891.8	890.9	892.1	890.9	891.8	895.2	895.5	895.9	898.3	894.9
5°	826.0	822.1	824.0	823.2	824.0	822.1	826.0	829.8	830.5	833.9	836.3
7.5°	765.0	760.2	755.2	756.8	755.2	760.2	765.0	765.1	771.0	775.5	778.5
10°	722.4	718.5	716.2	718.1	716.2	718.5	722.4	727.3	729.6	735.0	740.7
12.5°	686.4	684.2	682.2	681.4	682.2	684.2	686.4	691.8	697.1	703.4	709.7
15°	637.5	633.0	631.1	626.1	631.1	633.0	637.5	642.2	652.6	655.2	664.8
17.5°	592.5	591.0	586.0	583.9	586.0	591.0	592.5	596.4	601.2	611.1	618.3
20°	565.8	564.3	559.4	562.4	559.4	564.3	565.8	571.6	575.4	583.5	590.4
22.5°	543.7	540.4	538.8	537.9	538.8	540.4	543.7	546.4	551.5	559.0	566.7
25°	512.5	507.6	505.6	503.3	505.6	507.6	512.5	514.0	519.4	526.7	530.9
27.5°	481.4	478.7	476.2	475.5	476.2	478.7	481.4	483.5	488.2	494.5	502.2
30°	461.1	458.4	456.5	456.5	456.5	458.4	461.1	465.7	469.2	474.9	480.7
32.5°	443.0	440.9	439.0	438.7	439.0	440.9	443.0	445.5	449.5	455.9	461.9
35°	416.6	413.5	412.7	410.5	412.7	413.5	416.6	418.5	422.7	427.4	432.3
37.5°	389.2	386.7	386.6	386.4	386.6	386.7	389.2	392.6	396.2	400.3	406.4
40°	371.7	369.8	369.4	366.8	369.4	369.8	371.7	373.2	377.1	382.4	387.1
42.5°	353.0	352.0	350.7	349.5	350.7	352.0	353.0	356.1	359.3	363.1	369.0
45°	327.6	325.0	325.0	323.1	325.0	325.0	327.6	330.3	331.8	336.4	344.1
47.5°	301.3	299.3	299.5	297.5	299.5	299.3	301.3	302.3	304.7	309.2	313.5
50°	283.9	282.8	282.4	281.6	282.4	282.8	283.9	283.5	286.6	290.7	296.5
52.5°	266.4	265.9	267.3	265.6	267.3	265.9	266.4	267.2	269.3	272.1	277.5
55°	242.9	241.7	244.0	241.7	244.0	241.7	242.9	242.1	242.9	245.5	248.9
57.5°	215.7	214.7	216.7	215.6	216.7	214.7	215.7	215.9	218.2	218.6	221.7
60°	197.9	195.6	196.8	197.2	196.8	195.6	197.9	198.7	199.4	199.9	203.0
62.5°	176.7	175.4	176.2	174.5	176.2	175.4	176.7	178.4	180.2	182.1	183.9
65°	146.9	145.8	144.2	143.5	144.2	145.8	146.9	147.7	151.9	154.2	158.4
67.5°	123.4	120.7	120.6	121.2	120.6	120.7	123.4	123.3	126.3	128.3	131.1
70°	106.2	106.2	105.8	105.8	105.8	106.2	106.2	108.6	110.1	111.6	113.5
72.5°	94.3	94.0	93.3	93.0	93.3	94.0	94.3	95.0	95.9	97.6	99.5
75°	75.9	76.3	75.5	75.2	75.5	76.3	75.9	75.9	77.5	77.9	78.7
77.5°	56.0	54.4	55.3	54.4	55.3	54.4	56.0	57.7	58.2	59.9	59.9
80°	42.6	42.2	43.3	42.2	43.3	42.2	42.6	42.6	43.7	44.5	46.5
82.5°	33.7	33.3	33.8	33.0	33.8	33.3	33.7	33.3	33.9	34.9	34.7
85°	20.3	20.0	19.6	20.0	19.6	20.0	20.3	20.0	19.6	20.0	20.3
87.5°	10.5	10.3	10.4	10.5	10.4	10.3	10.5	10.1	10.3	10.1	9.9
90°	17.4	17.9	18.4	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.3
92.5°	36.2	36.5	36.9	37.3	36.9	36.5	36.2	35.7	34.9	33.8	32.6
95°	66.9	67.3	67.6	67.9	67.6	67.3	66.9	66.6	65.7	64.5	63.2
97.5°	102.3	102.5	102.8	103.0	102.8	102.5	102.3	102.1	101.5	100.3	99.2
100°	128.5	128.8	129.2	129.5	129.2	128.8	128.5	128.2	127.1	125.5	124.0
102.5°	154.6	155.0	155.5	156.0	155.5	155.0	154.6	154.1	153.0	151.3	149.6
105°	194.3	194.8	195.3	195.8	195.3	194.8	194.3	193.7	193.0	191.9	190.9
107.5°	236.7	236.6	236.6	236.6	236.6	236.6	236.7	236.7	236.5	235.9	235.4
110°	267.4	267.2	267.1	266.9	267.1	267.2	267.4	267.6	267.4	266.9	266.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	297.5	297.2	296.9	296.6	296.9	297.2	297.5	297.9	297.9	297.6	297.4
115°	344.1	343.9	343.7	343.6	343.7	343.9	344.1	344.2	344.4	344.6	344.8
117.5°	391.4	390.7	390.0	389.3	390.0	390.7	391.4	392.1	392.4	392.2	392.1
120°	423.0	422.3	421.6	420.9	421.6	422.3	423.0	423.7	424.0	424.0	424.0
122.5°	454.1	453.6	453.0	452.5	453.0	453.6	454.1	454.7	455.0	455.2	455.3
125°	500.4	500.2	500.1	499.9	500.1	500.2	500.4	500.6	500.8	501.2	501.5
127.5°	546.4	546.0	545.7	545.3	545.7	546.0	546.4	546.7	547.0	547.1	547.3
130°	576.7	576.3	576.0	575.6	576.0	576.3	576.7	577.0	577.3	577.5	577.6
132.5°	605.6	605.1	604.6	604.1	604.6	605.1	605.6	606.0	606.4	606.5	606.7
135°	650.5	649.7	649.0	648.3	649.0	649.7	650.5	651.2	651.5	651.5	651.5
137.5°	694.2	693.4	692.5	691.6	692.5	693.4	694.2	695.1	695.4	695.2	695.0
140°	722.1	721.1	720.2	719.4	720.2	721.1	722.1	722.9	723.2	722.8	722.5
142.5°	748.5	747.7	746.8	745.9	746.8	747.7	748.5	749.4	749.7	749.5	749.3
145°	787.3	786.8	786.3	785.7	786.3	786.8	787.3	787.8	788.1	788.1	788.1
147.5°	823.2	822.0	820.9	819.7	820.9	822.0	823.2	824.5	824.9	824.5	823.9
150°	846.0	845.7	845.3	845.0	845.3	845.7	846.0	846.4	846.6	846.6	846.6
152.5°	867.7	867.1	866.5	865.8	866.5	867.1	867.7	868.3	868.4	868.0	867.6
155°	898.1	897.3	896.4	895.4	896.4	897.3	898.1	899.0	899.1	898.4	897.7
157.5°	923.7	922.6	921.4	920.3	921.4	922.6	923.7	924.9	925.1	924.4	923.7
160°	940.0	939.1	938.2	937.4	938.2	939.1	940.0	940.9	940.9	940.2	939.6
162.5°	954.9	953.9	952.9	951.9	952.9	953.9	954.9	955.9	956.0	955.2	954.3
165°	974.4	973.4	972.3	971.3	972.3	973.4	974.4	975.5	975.6	975.0	974.3
167.5°	990.1	989.0	987.8	986.7	987.8	989.0	990.1	991.1	991.2	990.1	989.1
170°	998.7	997.4	996.2	995.0	996.2	997.4	998.7	999.9	1000.0	999.0	997.8
172.5°	1005.2	1004.1	1003.0	1001.9	1003.0	1004.1	1005.2	1006.3	1006.3	1005.2	1004.2
175°	1012.1	1010.9	1009.7	1008.5	1009.7	1010.9	1012.1	1013.3	1013.4	1012.4	1011.3
177.5°	1015.1	1014.2	1013.2	1012.2	1013.2	1014.2	1015.1	1016.1	1016.2	1015.3	1014.5
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.9	899.2	901.0	905.3	911.5	914.5	918.9	921.9	926.2	931.4	935.7
5°	837.8	847.1	853.1	862.7	871.6	880.4	891.5	899.6	910.3	922.6	932.2
7.5°	784.0	795.5	805.7	818.3	832.9	844.2	858.8	873.5	890.4	907.8	924.2
10°	749.6	761.1	773.8	789.5	804.1	819.4	836.7	853.9	875.0	894.6	916.9
12.5°	715.5	728.2	742.5	760.0	777.7	797.3	814.9	834.2	857.0	882.3	906.2
15°	673.3	685.5	700.8	715.8	736.2	757.6	781.0	806.8	832.0	860.5	890.0
17.5°	627.9	641.4	658.3	675.6	697.0	722.2	745.2	773.3	801.7	834.9	869.6
20°	598.4	612.3	632.2	651.4	671.0	695.5	722.8	751.5	781.8	816.7	855.5
22.5°	575.1	584.9	604.6	624.1	647.0	672.2	698.8	728.8	761.8	798.0	838.6
25°	540.5	552.0	566.2	586.5	610.4	636.8	663.7	695.5	731.5	768.4	811.7
27.5°	509.8	519.2	533.2	549.2	572.9	600.4	628.9	662.2	699.1	736.6	782.2
30°	488.0	498.4	511.7	528.7	547.4	577.3	606.5	639.1	676.7	715.5	762.2
32.5°	469.0	479.6	491.2	507.2	527.5	554.0	584.1	616.1	654.3	694.3	739.8
35°	442.3	449.6	460.3	476.1	496.0	517.5	548.2	582.0	619.1	660.6	706.2
37.5°	411.8	421.2	431.9	445.6	463.0	486.3	514.8	549.0	583.5	623.2	664.8
40°	393.9	402.8	414.7	424.6	443.1	464.1	490.3	525.9	560.5	597.6	635.6
42.5°	375.9	384.4	394.5	406.9	423.4	443.9	468.2	501.4	538.4	573.4	605.3
45°	347.6	356.4	366.0	377.5	392.8	412.7	437.0	467.3	499.5	531.7	555.8
47.5°	320.4	328.7	337.8	349.6	363.8	383.0	404.7	431.4	462.7	490.1	507.4
50°	301.1	308.8	318.8	330.3	344.1	362.1	382.8	409.3	435.5	460.3	476.1
52.5°	282.2	290.7	300.6	310.6	323.9	341.8	361.0	383.8	408.7	429.0	442.0
55°	253.6	261.7	270.8	281.1	294.3	309.6	329.9	347.9	367.5	384.8	392.4
57.5°	226.0	233.1	241.8	252.5	264.3	278.5	294.6	311.9	325.8	338.0	346.7
60°	207.9	214.1	222.1	231.4	244.0	257.0	271.6	287.7	298.4	308.8	316.9
62.5°	189.6	195.3	203.1	211.4	222.5	234.6	248.6	261.7	272.1	279.0	288.3
65°	161.9	167.6	174.2	183.0	191.8	201.8	214.4	224.0	231.4	239.0	244.8
67.5°	136.2	141.0	147.1	154.1	161.5	171.1	180.9	188.8	193.9	198.4	205.4
70°	119.3	123.1	128.2	133.5	141.6	151.2	158.9	164.9	168.4	173.0	181.5
72.5°	102.1	106.5	111.3	116.6	123.1	131.2	137.9	144.1	146.3	150.0	155.3
75°	80.6	82.9	86.7	90.5	95.1	102.0	108.6	110.1	112.0	115.1	119.0
77.5°	60.9	63.0	64.5	67.1	70.7	76.2	79.7	82.0	82.5	83.6	87.4
80°	48.4	49.5	51.0	52.9	54.4	59.1	61.0	63.3	64.0	65.2	67.2
82.5°	35.4	36.6	37.6	39.1	41.6	43.4	45.3	47.7	47.8	48.7	49.0
85°	20.7	21.1	20.3	21.1	21.5	22.2	24.1	26.1	25.8	25.3	26.5
87.5°	10.1	9.9	9.3	10.0	9.2	9.2	9.0	9.0	9.3	9.7	10.0
90°	13.5	12.6	11.4	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8
92.5°	31.5	30.3	28.8	27.3	25.8	24.2	23.0	22.0	21.1	20.1	19.1
95°	62.0	60.8	59.1	57.3	55.5	53.8	52.7	52.4	52.0	51.7	51.3
97.5°	98.0	96.8	94.4	92.0	89.6	87.2	85.8	85.7	85.5	85.4	85.3
100°	122.4	120.8	118.6	116.2	114.0	111.7	110.6	110.6	110.6	110.6	110.6
102.5°	147.8	146.1	144.9	143.8	142.6	141.5	140.6	139.9	139.2	138.5	137.7
105°	189.8	188.7	187.6	186.6	185.6	184.5	183.6	182.7	181.8	181.0	180.1
107.5°	234.9	234.4	233.6	232.8	232.0	231.2	230.4	229.4	228.5	227.6	226.8
110°	265.9	265.3	264.8	264.3	263.8	263.3	262.6	261.7	260.7	259.9	259.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.2	296.9	296.3	295.6	294.9	294.3	293.7	293.3	292.8	292.4	291.9
115°	344.9	345.1	344.8	344.4	344.1	343.7	343.2	342.4	341.7	341.0	340.3
117.5°	391.9	391.8	391.5	391.2	390.9	390.6	390.2	389.9	389.6	389.3	389.0
120°	424.0	424.0	423.8	423.7	423.5	423.3	422.8	421.9	421.1	420.2	419.3
122.5°	455.4	455.7	455.1	454.7	454.2	453.8	453.4	453.1	452.8	452.5	452.1
125°	501.9	502.2	502.0	501.9	501.7	501.5	500.9	499.9	498.8	497.8	496.7
127.5°	547.5	547.8	547.5	547.2	547.0	546.8	546.4	545.8	545.2	544.7	544.1
130°	577.8	578.0	577.6	577.3	576.9	576.6	576.0	575.1	574.3	573.4	572.5
132.5°	606.9	607.1	607.1	607.2	607.3	607.3	606.7	605.2	603.8	602.4	601.0
135°	651.5	651.5	651.3	651.2	651.0	650.8	650.2	649.1	648.0	647.0	645.9
137.5°	694.8	694.6	694.2	693.8	693.5	693.1	692.4	691.4	690.3	689.3	688.3
140°	722.2	721.8	721.2	720.7	720.1	719.6	718.9	718.1	717.2	716.3	715.5
142.5°	749.1	748.9	748.2	747.6	746.9	746.3	745.6	744.8	744.1	743.4	742.7
145°	788.1	788.1	787.6	787.0	786.5	786.0	785.4	784.7	784.0	783.3	782.5
147.5°	823.5	823.1	822.7	822.3	821.9	821.4	821.0	820.7	820.3	819.9	819.5
150°	846.6	846.6	845.9	845.2	844.4	843.7	843.4	843.6	843.8	843.9	844.1
152.5°	867.2	866.8	866.5	866.2	865.9	865.7	865.4	865.2	864.8	864.6	864.3
155°	897.0	896.3	896.1	896.0	895.8	895.5	895.4	895.4	895.4	895.4	895.4
157.5°	923.0	922.3	922.1	922.0	921.8	921.6	921.7	922.1	922.5	922.9	923.3
160°	938.9	938.2	938.0	937.8	937.6	937.5	937.6	938.2	938.7	939.2	939.7
162.5°	953.5	952.7	952.6	952.6	952.5	952.5	952.7	953.1	953.4	953.8	954.2
165°	973.6	972.9	972.7	972.5	972.3	972.2	972.3	972.6	973.0	973.3	973.7
167.5°	988.0	986.9	986.9	986.9	986.9	986.9	987.2	988.0	988.7	989.4	990.1
170°	996.8	995.7	995.7	995.7	995.7	995.7	996.1	996.8	997.5	998.3	999.0
172.5°	1003.1	1002.1	1002.1	1002.1	1002.1	1002.1	1002.4	1003.1	1003.8	1004.5	1005.2
175°	1010.3	1009.2	1009.2	1009.2	1009.2	1009.2	1009.6	1010.3	1011.0	1011.7	1012.4
177.5°	1013.7	1012.8	1013.0	1013.1	1013.3	1013.4	1013.7	1014.3	1014.9	1015.4	1016.0
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	939.1	941.9	945.8	950.5	954.1	958.2	960.3	960.3	962.1	966.1	971.3
5°	941.8	951.8	961.4	973.6	983.2	994.3	1002.8	1010.9	1018.1	1027.3	1036.9
7.5°	941.0	957.6	974.8	994.2	1015.5	1032.5	1049.9	1063.6	1077.0	1094.7	1108.6
10°	938.0	959.5	982.8	1007.3	1034.2	1057.6	1078.7	1097.9	1116.3	1135.5	1152.8
12.5°	932.4	959.8	988.4	1017.8	1051.8	1078.5	1105.7	1126.2	1147.6	1168.6	1189.9
15°	924.1	956.3	990.9	1032.0	1073.4	1103.3	1130.1	1156.6	1176.6	1200.3	1220.7
17.5°	907.1	948.6	992.0	1036.8	1076.6	1111.5	1139.5	1164.8	1186.0	1212.1	1239.8
20°	896.9	941.8	987.0	1035.0	1073.0	1108.6	1135.9	1162.0	1188.4	1222.6	1256.4
22.5°	882.8	930.7	978.8	1024.3	1064.4	1098.8	1127.0	1158.9	1193.7	1232.4	1273.2
25°	860.5	910.0	957.6	1000.9	1040.0	1075.3	1113.7	1156.6	1198.8	1249.8	1308.5
27.5°	832.1	879.9	922.3	968.1	1007.0	1051.9	1099.7	1146.3	1207.2	1277.4	1350.7
30°	810.9	856.3	896.6	939.9	984.0	1033.5	1087.2	1142.1	1214.6	1297.0	1384.1
32.5°	786.4	827.4	867.4	909.2	960.1	1014.4	1071.6	1138.6	1225.3	1319.1	1409.3
35°	743.9	780.6	819.4	865.9	919.9	979.0	1051.9	1133.6	1238.3	1339.2	1420.2
37.5°	699.2	728.2	767.2	816.1	875.0	943.4	1026.1	1125.4	1232.9	1323.5	1358.0
40°	664.8	692.1	733.1	784.5	842.8	917.7	1010.5	1112.5	1220.7	1283.5	1280.9
42.5°	630.8	658.3	697.8	749.5	810.3	894.0	989.6	1095.6	1186.9	1210.8	1160.9
45°	578.5	604.2	643.0	695.1	760.3	848.2	948.7	1050.4	1108.6	1070.0	971.0
47.5°	525.2	550.2	586.1	637.2	708.4	800.4	895.4	978.9	987.0	903.8	785.1
50°	490.3	513.6	547.9	602.3	671.4	761.1	852.8	918.4	898.1	796.4	674.0
52.5°	456.2	478.7	510.7	562.1	632.7	720.6	802.4	853.9	806.9	698.8	588.8
55°	405.9	427.4	459.6	506.8	570.8	651.4	723.2	741.9	672.9	563.9	474.9
57.5°	358.1	373.8	405.7	447.4	509.2	580.2	631.6	628.2	552.0	453.9	390.1
60°	326.5	340.6	370.9	409.3	468.0	531.7	567.7	552.4	475.3	394.4	333.0
62.5°	297.0	310.2	335.7	370.9	421.4	476.8	503.0	481.8	409.0	337.9	289.1
65°	252.5	262.1	282.4	315.0	354.5	392.8	416.3	385.2	320.7	267.0	230.1
67.5°	210.8	219.0	237.1	260.5	287.8	314.3	323.8	294.6	244.5	208.3	182.4
70°	183.8	191.5	203.7	225.6	243.6	262.4	267.0	241.0	199.1	171.5	155.3
72.5°	157.9	165.0	175.8	191.2	203.7	214.5	216.7	192.4	160.5	141.4	129.0
75°	120.5	126.6	133.5	139.3	147.3	149.3	148.5	129.7	112.4	99.8	92.8
77.5°	88.6	91.1	95.3	97.6	98.0	97.9	93.9	82.0	73.1	67.9	65.0
80°	68.3	70.2	71.4	72.1	72.5	68.7	64.4	57.2	54.1	51.0	47.6
82.5°	49.6	50.9	52.0	52.2	50.1	46.9	42.9	39.4	37.2	35.6	34.3
85°	26.9	27.3	26.9	24.9	22.2	21.1	20.3	19.6	19.2	18.8	18.8
87.5°	10.0	9.3	8.1	8.7	8.9	8.9	9.1	9.0	9.0	9.2	9.3
90°	2.2	3.6	5.0	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.3
92.5°	20.1	21.1	22.0	23.0	24.2	25.8	27.3	28.8	30.3	31.5	32.6
95°	51.7	52.0	52.4	52.7	53.8	55.5	57.3	59.1	60.8	62.0	63.2
97.5°	85.4	85.5	85.7	85.8	87.2	89.6	92.0	94.4	96.8	98.0	99.2
100°	110.6	110.6	110.6	110.6	111.7	114.0	116.2	118.6	120.8	122.4	124.0
102.5°	138.5	139.2	139.9	140.6	141.5	142.6	143.8	144.9	146.1	147.8	149.6
105°	181.0	181.8	182.7	183.6	184.5	185.6	186.6	187.6	188.7	189.8	190.9
107.5°	227.6	228.5	229.4	230.4	231.2	232.0	232.8	233.6	234.4	234.9	235.4
110°	259.9	260.7	261.7	262.6	263.3	263.8	264.3	264.8	265.3	265.9	266.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	292.4	292.8	293.3	293.7	294.3	294.9	295.6	296.3	296.9	297.2	297.4
115°	341.0	341.7	342.4	343.2	343.7	344.1	344.4	344.8	345.1	344.9	344.8
117.5°	389.3	389.6	389.9	390.2	390.6	390.9	391.2	391.5	391.8	391.9	392.1
120°	420.2	421.1	421.9	422.8	423.3	423.5	423.7	423.8	424.0	424.0	424.0
122.5°	452.5	452.8	453.1	453.4	453.8	454.2	454.7	455.1	455.7	455.4	455.3
125°	497.8	498.8	499.9	500.9	501.5	501.7	501.9	502.0	502.2	501.9	501.5
127.5°	544.7	545.2	545.8	546.4	546.8	547.0	547.2	547.5	547.8	547.5	547.3
130°	573.4	574.3	575.1	576.0	576.6	576.9	577.3	577.6	578.0	577.8	577.6
132.5°	602.4	603.8	605.2	606.7	607.3	607.3	607.2	607.1	607.1	606.9	606.7
135°	647.0	648.0	649.1	650.2	650.8	651.0	651.2	651.3	651.5	651.5	651.5
137.5°	689.3	690.3	691.4	692.4	693.1	693.5	693.8	694.2	694.6	694.8	695.0
140°	716.3	717.2	718.1	718.9	719.6	720.1	720.7	721.2	721.8	722.2	722.5
142.5°	743.4	744.1	744.8	745.6	746.3	746.9	747.6	748.2	748.9	749.1	749.3
145°	783.3	784.0	784.7	785.4	786.0	786.5	787.0	787.6	788.1	788.1	788.1
147.5°	819.9	820.3	820.7	821.0	821.4	821.9	822.3	822.7	823.1	823.5	823.9
150°	843.9	843.8	843.6	843.4	843.7	844.4	845.2	845.9	846.6	846.6	846.6
152.5°	864.6	864.8	865.2	865.4	865.7	865.9	866.2	866.5	866.8	867.2	867.6
155°	895.4	895.4	895.4	895.4	895.5	895.8	896.0	896.1	896.3	897.0	897.7
157.5°	922.9	922.5	922.1	921.7	921.6	921.8	922.0	922.1	922.3	923.0	923.7
160°	939.2	938.7	938.2	937.6	937.5	937.6	937.8	938.0	938.2	938.9	939.6
162.5°	953.8	953.4	953.1	952.7	952.5	952.5	952.6	952.6	952.7	953.5	954.3
165°	973.3	973.0	972.6	972.3	972.2	972.3	972.5	972.7	972.9	973.6	974.3
167.5°	989.4	988.7	988.0	987.2	986.9	986.9	986.9	986.9	986.9	988.0	989.1
170°	998.3	997.5	996.8	996.1	995.7	995.7	995.7	995.7	995.7	996.8	997.8
172.5°	1004.5	1003.8	1003.1	1002.4	1002.1	1002.1	1002.1	1002.1	1002.1	1003.1	1004.2
175°	1011.7	1011.0	1010.3	1009.6	1009.2	1009.2	1009.2	1009.2	1009.2	1010.3	1011.3
177.5°	1015.4	1014.9	1014.3	1013.7	1013.4	1013.3	1013.1	1013.0	1012.8	1013.7	1014.5
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	975.3	975.3	980.6	980.2	983.6	982.4	983.0
5°	1048.4	1054.9	1060.7	1064.5	1070.3	1071.9	1071.1
7.5°	1124.3	1138.7	1145.8	1155.5	1157.2	1162.3	1161.7
10°	1171.1	1185.4	1196.1	1204.6	1208.8	1214.2	1214.6
12.5°	1208.0	1220.0	1229.6	1237.4	1242.5	1244.3	1245.3
15°	1236.8	1250.2	1261.3	1272.4	1279.0	1283.9	1286.7
17.5°	1265.8	1286.5	1306.2	1321.3	1330.3	1338.0	1337.9
20°	1288.2	1312.0	1336.6	1353.8	1371.4	1379.1	1380.3
22.5°	1312.1	1348.5	1380.1	1406.8	1430.1	1438.0	1441.0
25°	1361.8	1409.4	1458.1	1495.7	1522.6	1538.3	1540.7
27.5°	1421.9	1486.3	1537.5	1572.3	1594.6	1606.2	1608.7
30°	1464.3	1523.7	1569.7	1595.9	1606.2	1607.7	1601.9
32.5°	1483.3	1527.7	1546.1	1544.6	1524.3	1510.8	1505.6
35°	1460.1	1450.9	1405.9	1352.2	1311.2	1285.2	1278.2
37.5°	1328.7	1249.3	1166.7	1085.6	1042.4	1020.5	982.7
40°	1199.2	1086.0	1000.1	931.8	883.1	843.9	834.8
42.5°	1053.1	936.2	850.3	791.8	753.0	726.1	714.5
45°	846.3	745.8	674.8	629.9	600.0	580.4	571.6
47.5°	676.8	599.1	547.3	514.1	491.3	474.3	469.6
50°	583.9	521.7	478.0	450.0	432.7	419.7	414.3
52.5°	507.2	457.0	423.3	400.3	384.0	375.8	371.3
55°	418.5	375.2	351.0	332.5	323.4	316.9	313.8
57.5°	342.2	310.9	293.3	280.5	272.1	267.9	266.4
60°	299.6	275.1	258.9	248.9	243.2	237.8	236.3
62.5°	261.9	242.6	230.0	221.4	215.6	213.3	212.4
65°	211.0	198.3	189.1	183.8	179.2	178.3	178.0
67.5°	167.7	160.3	155.4	149.9	148.2	145.5	145.0
70°	143.5	138.5	132.7	130.8	128.9	126.2	126.6
72.5°	121.7	116.7	112.8	110.3	109.6	108.5	109.4
75°	89.0	87.5	85.9	84.0	83.2	83.2	82.9
77.5°	63.5	62.2	60.5	59.4	59.2	57.6	58.2
80°	46.0	44.1	43.3	43.7	42.6	42.2	42.2
82.5°	34.0	33.3	32.6	32.7	32.4	32.1	32.4
85°	18.8	18.4	18.4	18.1	18.1	17.7	17.7
87.5°	9.8	10.3	9.8	9.6	9.7	10.1	10.5
90°	15.2	16.2	16.9	17.4	17.9	18.4	19.0
92.5°	33.8	34.9	35.7	36.2	36.5	36.9	37.3
95°	64.5	65.7	66.6	66.9	67.3	67.6	67.9
97.5°	100.3	101.5	102.1	102.3	102.5	102.8	103.0
100°	125.5	127.1	128.2	128.5	128.8	129.2	129.5
102.5°	151.3	153.0	154.1	154.6	155.0	155.5	156.0
105°	191.9	193.0	193.7	194.3	194.8	195.3	195.8
107.5°	235.9	236.5	236.7	236.7	236.6	236.6	236.6
110°	266.9	267.4	267.6	267.4	267.2	267.1	266.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	297.6	297.9	297.9	297.5	297.2	296.9	296.6
115°	344.6	344.4	344.2	344.1	343.9	343.7	343.6
117.5°	392.2	392.4	392.1	391.4	390.7	390.0	389.3
120°	424.0	424.0	423.7	423.0	422.3	421.6	420.9
122.5°	455.2	455.0	454.7	454.1	453.6	453.0	452.5
125°	501.2	500.8	500.6	500.4	500.2	500.1	499.9
127.5°	547.1	547.0	546.7	546.4	546.0	545.7	545.3
130°	577.5	577.3	577.0	576.7	576.3	576.0	575.6
132.5°	606.5	606.4	606.0	605.6	605.1	604.6	604.1
135°	651.5	651.5	651.2	650.5	649.7	649.0	648.3
137.5°	695.2	695.4	695.1	694.2	693.4	692.5	691.6
140°	722.8	723.2	722.9	722.1	721.1	720.2	719.4
142.5°	749.5	749.7	749.4	748.5	747.7	746.8	745.9
145°	788.1	788.1	787.8	787.3	786.8	786.3	785.7
147.5°	824.5	824.9	824.5	823.2	822.0	820.9	819.7
150°	846.6	846.6	846.4	846.0	845.7	845.3	845.0
152.5°	868.0	868.4	868.3	867.7	867.1	866.5	865.8
155°	898.4	899.1	899.0	898.1	897.3	896.4	895.4
157.5°	924.4	925.1	924.9	923.7	922.6	921.4	920.3
160°	940.2	940.9	940.9	940.0	939.1	938.2	937.4
162.5°	955.2	956.0	955.9	954.9	953.9	952.9	951.9
165°	975.0	975.6	975.5	974.4	973.4	972.3	971.3
167.5°	990.1	991.2	991.1	990.1	989.0	987.8	986.7
170°	999.0	1000.0	999.9	998.7	997.4	996.2	995.0
172.5°	1005.2	1006.3	1006.3	1005.2	1004.1	1003.0	1001.9
175°	1012.4	1013.4	1013.3	1012.1	1010.9	1009.7	1008.5
177.5°	1015.3	1016.2	1016.1	1015.1	1014.2	1013.2	1012.2
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7

(END OF REPORT)