

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: P332455-927

Luminaire Tested: **S123RDIW-S1000D755U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332455-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S1000D755U927-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5211.6 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

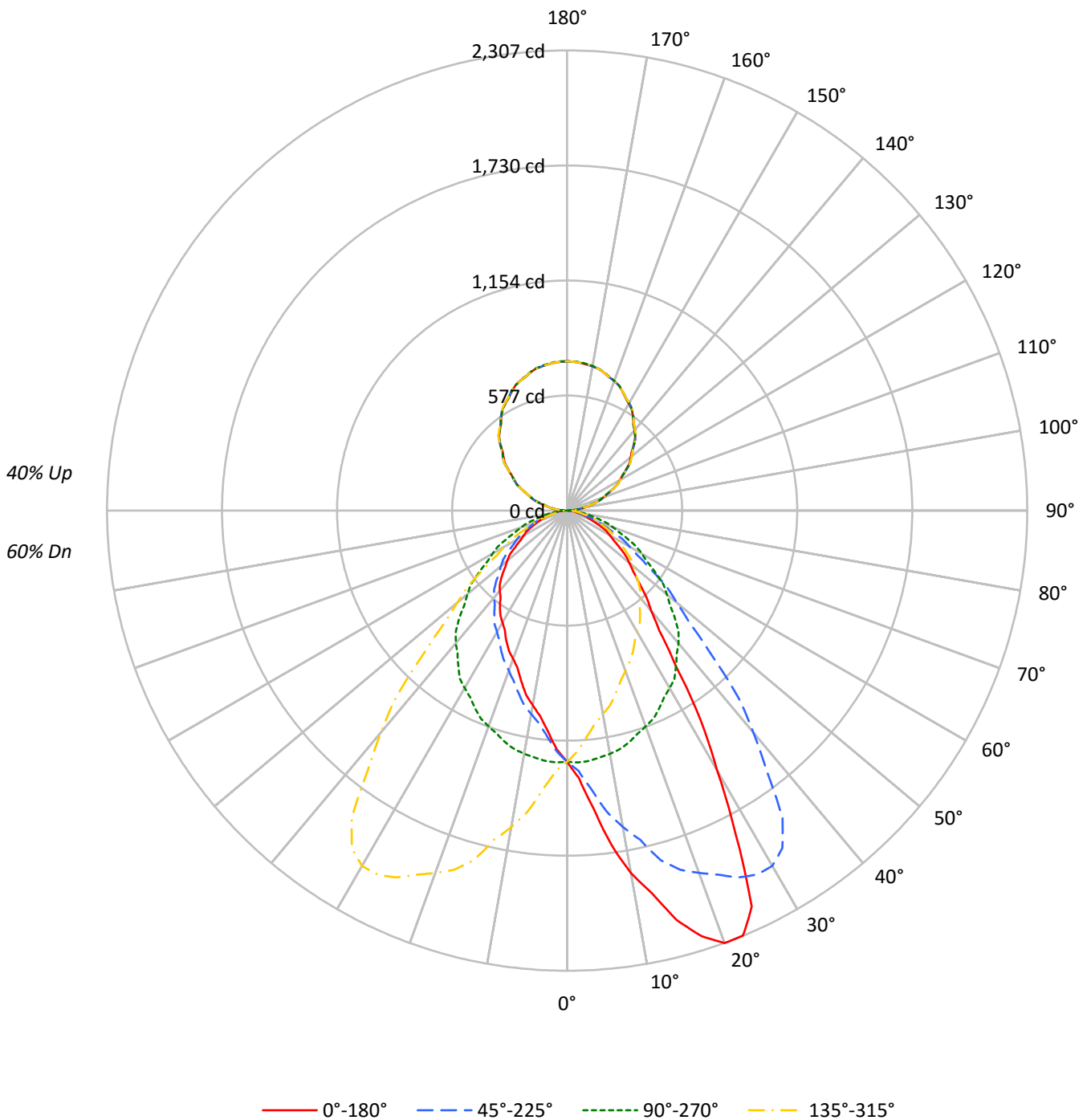
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	0														
RCR																																						
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	65	65	65	60																				
1	101	97	93	90	94	91	87	84	79	77	75	69	67	65	59	58	57	52																				
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45																				
3	85	76	68	63	79	71	65	60	63	58	54	55	51	48	47	45	42	39																				
4	78	67	60	54	73	63	57	51	56	51	46	49	45	42	43	40	37	34																				
5	72	60	52	47	67	57	50	45	51	45	41	45	40	37	39	35	33	30																				
6	66	55	47	41	62	52	44	39	46	40	36	40	36	32	36	32	29	26																				
7	62	49	42	36	58	47	40	35	42	36	32	37	32	29	33	29	26	24																				
8	57	45	37	32	54	43	36	31	38	33	28	34	29	26	30	26	24	21																				
9	53	41	34	29	50	39	32	28	35	30	26	31	27	24	28	24	21	19																				
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13555	13555	13555	13555
5°	16159	13613	11988	13613
10°	20176	13535	10831	13535
15°	23682	13397	9877	13397
20°	26431	13190	9065	13190
25°	26008	12973	8568	12973
30°	18695	12771	8054	12771
35°	12482	12510	7721	12510
40°	9197	12197	7378	12197
45°	7715	11645	7042	11645
50°	6807	10923	6571	10923
55°	5970	10098	5928	10098
60°	5315	9309	5431	9309
65°	4669	8458	5053	8458
70°	3666	7704	4614	7704
75°	3227	6729	4213	6729
80°	2808	5715	4147	5715
85°	2260	4594	4397	4594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	2.4
10°-20°	386.9	7.4
20°-30°	607.8	11.7
30°-40°	634.2	12.2
40°-50°	542.7	10.4
50°-60°	413.6	7.9
60°-70°	265.1	5.1
70°-80°	127.5	2.4
80°-90°	36.0	0.7
90°-100°	48.8	0.9
100°-110°	145.9	2.8
110°-120°	248.2	4.8
120°-130°	326.5	6.3
130°-140°	367.0	7.0
140°-150°	360.7	6.9
150°-160°	303.7	5.8
160°-170°	202.2	3.9
170°-180°	70.8	1.4
0°-30°	1118.6	21.5
0°-40°	1752.8	33.6
0°-60°	2709.1	52.0
0°-90°	3137.8	60.2
90°-120°	442.9	8.5
90°-150°	1497.2	28.7
90°-180°	2074.0	39.8
0°-180°	5211.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1259	1259	1259	1259	1259	
5°	1496	1260	1110	1260	1496	154
15°	2125	1202	886	1202	2125	603
25°	2190	1092	721	1092	2190	941
35°	950	952	588	952	950	623
45°	507	765	463	765	507	398
55°	318	538	316	538	318	288
65°	183	332	198	332	183	180
75°	78	162	101	162	78	83
85°	18	37	36	37	18	21
90°	18	1	18	1	18	9
95°	46	35	46	35	46	47
105°	140	132	140	132	140	149
115°	250	250	250	250	250	248
125°	362	366	362	366	362	323
135°	474	474	474	474	474	364
145°	576	576	576	576	576	359
155°	658	659	658	659	658	303
165°	716	718	716	718	716	202
175°	744	747	744	747	744	71
180°	748	748	748	748	748	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1341.3	1343.0	1337.4	1336.6	1330.1	1328.3	1328.3	1319.3	1313.7	1306.4	1302.0
5°	1495.5	1504.1	1499.8	1490.1	1473.9	1470.1	1459.9	1443.8	1425.4	1402.7	1391.9
7.5°	1688.1	1699.8	1695.3	1680.3	1663.3	1649.6	1620.8	1593.9	1556.3	1523.3	1495.1
10°	1845.9	1833.5	1823.8	1809.3	1793.6	1768.2	1738.0	1696.5	1648.6	1610.8	1568.8
12.5°	1964.1	1962.0	1949.7	1934.7	1912.6	1888.6	1851.5	1800.9	1745.2	1690.7	1642.5
15°	2125.2	2128.4	2120.3	2104.7	2073.4	2030.8	1974.8	1953.8	1873.9	1814.7	1755.3
17.5°	2236.6	2236.0	2234.9	2213.3	2181.4	2151.0	2099.0	2043.8	1971.5	1887.9	1808.1
20°	2307.4	2302.0	2303.0	2278.8	2255.1	2220.0	2169.4	2089.1	2029.7	1933.2	1850.8
22.5°	2305.6	2304.5	2308.7	2300.3	2283.1	2256.3	2216.4	2148.6	2072.8	1975.5	1882.7
25°	2189.8	2185.6	2210.9	2217.9	2245.4	2250.2	2238.4	2201.2	2129.5	2029.2	1914.4
27.5°	1832.7	1830.3	1877.4	1936.3	2010.9	2068.9	2124.9	2152.0	2129.5	2057.7	1942.6
30°	1504.1	1554.8	1578.5	1663.7	1758.6	1871.8	1970.9	2065.3	2088.5	2057.2	1962.9
32.5°	1248.8	1293.0	1312.8	1385.9	1474.3	1606.9	1755.8	1889.4	1983.7	2007.6	1950.8
35°	949.9	950.5	995.7	1028.1	1110.0	1246.4	1390.9	1569.9	1747.8	1882.5	1896.6
37.5°	758.0	760.7	788.1	820.3	881.8	953.9	1081.1	1229.9	1435.4	1642.4	1763.6
40°	654.5	659.3	679.9	711.6	755.8	810.2	909.5	1049.6	1221.1	1451.3	1639.4
42.5°	588.0	596.0	606.5	631.0	658.4	709.3	789.6	897.9	1053.8	1271.5	1488.5
45°	506.8	511.0	519.2	530.4	555.2	590.9	644.8	717.6	846.9	1022.2	1239.4
47.5°	447.0	444.7	453.3	462.5	479.0	503.2	539.3	598.7	691.0	831.6	1015.9
50°	406.5	405.9	411.9	418.9	434.5	452.3	482.0	526.7	600.0	716.4	885.2
52.5°	368.5	370.6	374.8	383.5	394.8	409.2	435.8	468.0	531.0	631.5	772.2
55°	318.1	319.7	325.6	330.5	338.6	353.1	369.8	396.8	439.9	510.0	625.9
57.5°	275.4	274.6	280.4	281.5	290.7	302.5	315.4	336.4	367.7	419.8	497.8
60°	246.9	245.3	250.2	253.9	258.8	268.5	279.2	299.8	324.6	362.8	429.7
62.5°	221.0	220.3	223.9	227.6	231.6	240.4	249.5	265.2	284.9	317.1	370.2
65°	183.3	184.9	186.6	188.1	190.3	195.7	204.3	215.1	228.5	251.2	289.5
67.5°	144.0	145.7	146.2	149.6	154.2	157.6	162.8	172.4	181.8	200.9	222.7
70°	116.5	115.9	116.5	118.0	124.0	129.9	137.0	143.9	149.9	163.3	181.6
72.5°	100.1	99.1	100.5	100.8	103.7	105.4	109.8	116.4	124.0	133.2	146.3
75°	77.6	77.6	77.6	77.6	79.8	80.9	82.5	84.1	86.8	91.1	100.8
77.5°	57.4	57.4	58.2	58.8	59.2	59.8	60.8	62.4	63.4	65.7	69.9
80°	45.3	45.8	45.3	45.8	45.8	46.9	47.5	49.0	49.6	52.3	53.9
82.5°	34.1	33.7	34.1	34.6	34.6	35.7	35.8	37.0	37.1	38.5	40.1
85°	18.3	17.3	18.3	17.8	18.9	17.8	18.3	19.4	19.4	20.0	22.1
87.5°	7.8	8.6	7.8	8.1	8.1	8.4	8.3	8.2	9.0	8.4	8.6
90°	17.7	17.3	17.1	16.9	16.6	16.2	15.7	15.1	14.7	14.1	12.4
92.5°	23.8	23.9	24.1	24.2	24.4	24.2	23.8	23.4	23.0	22.6	21.6
95°	45.9	45.9	45.9	45.9	45.9	45.6	45.1	44.5	44.0	43.5	42.5
97.5°	70.6	70.6	70.7	70.7	70.7	70.5	69.9	69.3	68.7	68.1	67.3
100°	89.4	89.1	88.9	88.6	88.3	88.0	87.6	87.2	86.8	86.4	85.8
102.5°	108.7	108.7	108.8	108.8	108.8	108.7	108.3	107.9	107.5	107.1	106.2
105°	140.0	139.7	139.4	139.2	138.9	138.8	138.8	138.8	138.8	138.8	137.6
107.5°	172.5	172.7	172.9	173.0	173.2	173.0	172.6	172.1	171.7	171.3	170.9
110°	194.6	194.9	195.1	195.4	195.7	195.5	195.0	194.5	194.0	193.5	193.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	218.2	218.2	218.2	218.3	218.3	218.1	217.5	216.8	216.2	215.6	215.5
115°	250.5	250.6	250.7	250.9	251.0	251.0	250.9	250.7	250.6	250.5	250.7
117.5°	283.3	283.7	284.0	284.4	284.8	284.9	284.9	285.0	285.0	285.0	285.4
120°	306.3	306.6	306.9	307.1	307.4	307.6	307.7	307.8	308.0	308.1	308.8
122.5°	328.4	328.8	329.2	329.5	329.9	330.3	330.6	331.0	331.3	331.6	332.0
125°	361.6	362.1	362.7	363.2	363.7	364.2	364.7	365.3	365.8	366.3	366.5
127.5°	394.7	395.3	395.9	396.5	397.0	397.8	398.5	399.2	399.9	400.7	400.9
130°	416.3	417.2	418.1	419.1	419.9	420.6	421.2	421.8	422.2	422.8	423.2
132.5°	438.9	439.6	440.3	441.0	441.7	442.4	443.0	443.6	444.3	444.9	445.1
135°	473.9	474.2	474.4	474.7	475.0	475.4	475.9	476.4	476.9	477.4	477.6
137.5°	504.9	505.3	505.8	506.4	506.8	507.4	507.9	508.4	509.0	509.5	509.2
140°	525.1	526.0	526.9	527.8	528.7	529.3	529.4	529.5	529.7	529.8	529.7
142.5°	545.7	546.4	547.2	547.9	548.6	549.0	549.1	549.3	549.4	549.5	549.3
145°	575.7	576.2	576.7	577.2	577.7	578.1	578.2	578.3	578.5	578.6	578.2
147.5°	602.2	603.0	603.8	604.6	605.4	605.8	605.8	605.8	605.8	605.8	605.4
150°	619.2	620.0	620.8	621.5	622.3	622.7	622.7	622.7	622.7	622.7	622.4
152.5°	635.6	636.3	637.0	637.6	638.3	638.6	638.3	638.2	637.9	637.7	637.5
155°	658.0	658.9	659.8	660.7	661.6	661.8	661.3	660.8	660.3	659.7	659.6
157.5°	678.3	679.1	679.8	680.5	681.2	681.4	680.8	680.2	679.7	679.1	679.1
160°	691.5	692.0	692.5	693.1	693.6	693.5	692.8	692.2	691.6	690.9	690.9
162.5°	701.3	702.2	703.1	703.9	704.7	704.8	704.2	703.5	702.8	702.2	702.1
165°	715.6	716.5	717.4	718.4	719.2	719.3	718.5	717.7	716.9	716.1	716.1
167.5°	727.7	728.5	729.3	730.2	730.9	730.9	730.2	729.3	728.5	727.7	727.6
170°	733.8	734.7	735.6	736.6	737.4	737.4	736.6	735.6	734.7	733.8	733.8
172.5°	738.6	739.4	740.4	741.2	742.2	742.2	741.4	740.6	739.8	738.9	738.9
175°	743.8	744.7	745.6	746.6	747.5	747.5	746.7	746.0	745.2	744.4	744.4
177.5°	746.6	747.3	748.1	748.8	749.6	749.6	749.0	748.4	747.7	747.1	747.1
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1300.3	1299.0	1293.0	1286.1	1277.0	1271.0	1266.2	1263.7	1255.9	1246.4	1239.9
5°	1380.6	1364.5	1347.3	1326.2	1306.8	1286.8	1274.5	1259.9	1242.1	1222.2	1208.2
7.5°	1466.7	1435.0	1400.8	1365.6	1330.7	1299.5	1271.8	1248.2	1219.9	1191.3	1171.2
10°	1532.7	1486.3	1438.4	1389.3	1344.5	1302.5	1270.1	1238.3	1204.4	1171.5	1146.7
12.5°	1592.6	1531.6	1476.3	1416.0	1358.8	1308.5	1261.9	1224.6	1183.7	1148.6	1120.4
15°	1668.5	1606.0	1539.1	1447.5	1371.5	1307.9	1251.3	1202.2	1152.6	1109.5	1082.0
17.5°	1739.5	1645.4	1555.5	1479.1	1380.3	1300.8	1231.8	1173.1	1118.6	1072.9	1039.1
20°	1768.8	1677.7	1580.1	1482.6	1385.5	1296.6	1216.2	1151.5	1095.0	1043.1	1011.9
22.5°	1786.5	1683.3	1580.6	1475.7	1372.5	1280.2	1200.7	1129.6	1068.2	1019.0	980.4
25°	1807.0	1684.2	1571.0	1467.4	1362.3	1262.0	1167.7	1092.3	1026.0	973.6	932.6
27.5°	1820.7	1676.1	1542.3	1427.2	1320.6	1220.8	1134.2	1054.2	987.0	931.7	887.7
30°	1823.3	1669.6	1520.3	1395.7	1287.4	1195.7	1104.1	1027.5	956.4	897.6	856.7
32.5°	1826.7	1653.7	1490.5	1358.2	1247.3	1156.5	1073.5	1000.4	927.5	869.6	827.8
35°	1812.5	1644.8	1445.3	1293.3	1182.3	1094.4	1019.5	952.0	880.4	824.3	781.7
37.5°	1751.2	1609.8	1398.5	1220.2	1104.1	1022.7	961.6	902.9	837.1	776.7	736.5
40°	1689.6	1575.3	1362.3	1175.8	1054.5	970.9	915.9	868.0	804.4	747.7	704.6
42.5°	1597.7	1528.3	1327.9	1129.2	998.4	917.9	871.5	826.6	770.7	713.2	672.7
45°	1429.2	1438.4	1257.2	1055.0	920.8	840.0	796.2	765.0	715.4	668.0	626.5
47.5°	1217.8	1303.5	1174.3	976.0	838.9	763.0	724.8	697.6	664.2	617.6	579.7
50°	1079.8	1202.2	1107.9	923.0	787.7	712.2	674.4	652.3	623.2	586.5	550.4
52.5°	952.6	1084.0	1027.6	863.9	732.0	663.0	626.1	607.9	584.8	550.3	517.6
55°	776.8	910.0	897.1	774.7	648.6	586.5	558.5	538.1	522.4	496.5	470.6
57.5°	628.4	754.6	761.3	675.5	575.0	513.7	489.6	474.2	464.0	444.4	420.5
60°	534.8	650.7	673.4	608.6	522.4	468.5	444.7	432.4	424.3	408.6	390.3
62.5°	457.2	555.8	581.5	534.9	471.9	421.4	402.9	390.9	385.5	372.0	355.8
65°	349.9	431.8	456.6	430.7	397.8	357.4	342.3	332.1	327.3	319.7	307.8
67.5°	263.1	322.8	350.0	331.8	319.9	294.4	284.8	279.2	275.0	269.7	259.8
70°	211.4	255.6	283.6	278.7	269.0	255.6	248.5	244.8	240.4	236.1	227.5
72.5°	169.9	200.3	226.6	229.1	221.2	218.5	212.3	210.7	208.1	203.0	198.2
75°	112.6	133.7	152.0	159.1	162.2	164.9	162.2	161.8	161.2	156.9	154.2
77.5°	73.8	85.2	96.7	108.7	113.8	117.4	118.3	120.3	118.8	116.5	115.3
80°	56.6	59.3	67.4	77.6	85.7	89.0	91.1	92.2	91.7	91.1	89.0
82.5°	41.1	43.3	47.1	54.3	61.2	66.5	67.8	67.6	68.8	69.1	67.4
85°	22.1	22.7	23.7	24.8	28.6	34.5	36.1	37.2	38.3	38.3	35.0
87.5°	9.0	8.2	8.8	8.5	9.5	9.7	12.0	13.9	14.6	13.2	13.4
90°	10.7	9.0	7.3	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5
92.5°	20.7	19.6	18.7	17.7	16.9	16.0	15.1	14.3	15.1	16.0	16.9
95°	41.4	40.4	39.3	38.3	37.5	36.5	35.6	34.7	35.6	36.5	37.5
97.5°	66.5	65.8	65.0	64.3	63.7	63.0	62.3	61.6	62.3	63.0	63.7
100°	85.2	84.4	83.8	83.1	82.3	81.5	80.7	79.9	80.7	81.5	82.3
102.5°	105.4	104.6	103.7	103.0	102.5	102.1	101.6	101.2	101.6	102.1	102.5
105°	136.4	135.2	134.0	133.3	133.1	132.8	132.5	132.3	132.5	132.8	133.1
107.5°	170.4	169.9	169.4	169.1	169.0	168.8	168.7	168.5	168.7	168.8	169.0
110°	192.9	192.7	192.4	192.1	191.9	191.6	191.4	191.1	191.4	191.6	191.9



TEST NUMBER: P332455-927

CATALOG NUMBER: S123RDIW-S1000D755U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	215.5	215.4	215.3	215.2	215.1	214.9	214.8	214.6	214.8	214.9	215.1
115°	251.0	251.3	251.5	251.4	251.0	250.6	250.3	249.9	250.3	250.6	251.0
117.5°	285.7	286.1	286.5	286.5	286.2	285.9	285.7	285.4	285.7	285.9	286.2
120°	309.4	310.1	310.7	310.7	309.9	309.1	308.3	307.5	308.3	309.1	309.9
122.5°	332.3	332.6	333.0	332.9	332.3	331.7	331.1	330.6	331.1	331.7	332.3
125°	366.9	367.1	367.3	367.3	366.9	366.5	366.1	365.8	366.1	366.5	366.9
127.5°	401.2	401.6	401.8	401.6	400.7	399.9	399.0	398.2	399.0	399.9	400.7
130°	423.6	424.0	424.4	424.0	422.9	421.9	420.9	419.9	420.9	421.9	422.9
132.5°	445.4	445.8	446.0	445.7	444.6	443.5	442.5	441.5	442.5	443.5	444.6
135°	477.7	477.8	478.0	477.6	476.9	476.1	475.3	474.5	475.3	476.1	476.9
137.5°	508.9	508.5	508.2	507.7	507.1	506.4	505.7	505.1	505.7	506.4	507.1
140°	529.5	529.4	529.3	528.9	528.2	527.6	526.9	526.2	526.9	527.6	528.2
142.5°	549.1	548.8	548.6	548.1	547.5	546.8	546.2	545.6	546.2	546.8	547.5
145°	577.8	577.4	577.0	576.7	576.4	576.2	575.9	575.7	575.9	576.2	576.4
147.5°	605.0	604.7	604.3	603.9	603.4	602.9	602.5	602.0	602.5	602.9	603.4
150°	622.2	621.9	621.6	621.4	621.2	620.8	620.6	620.4	620.6	620.8	621.2
152.5°	637.4	637.2	637.1	636.8	636.5	636.1	635.7	635.4	635.7	636.1	636.5
155°	659.5	659.3	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2
157.5°	678.9	678.8	678.7	678.7	678.9	679.1	679.2	679.4	679.2	679.1	678.9
160°	690.9	690.9	690.9	691.0	691.3	691.6	691.8	692.1	691.8	691.6	691.3
162.5°	702.0	701.9	701.8	701.9	702.3	702.6	703.0	703.4	703.0	702.6	702.3
165°	716.1	716.1	716.1	716.4	716.8	717.2	717.6	718.0	717.6	717.2	716.8
167.5°	727.5	727.4	727.3	727.5	728.0	728.6	729.0	729.6	729.0	728.6	728.0
170°	733.8	733.8	733.8	734.0	734.6	735.1	735.6	736.2	735.6	735.1	734.6
172.5°	738.9	738.9	738.9	739.3	739.7	740.3	740.8	741.3	740.8	740.3	739.7
175°	744.4	744.4	744.4	744.7	745.2	745.7	746.2	746.7	746.2	745.7	745.2
177.5°	747.1	747.1	747.1	747.3	747.7	748.1	748.5	749.0	748.5	748.1	747.7
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



TEST NUMBER: P332455-927

CATALOG NUMBER: S123RDIW-S1000D755U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1237.8	1232.2	1228.3	1219.6	1214.1	1208.0	1202.0	1205.9	1205.5	1205.0	1205.0
5°	1196.3	1183.8	1172.6	1158.0	1148.8	1137.5	1128.9	1127.8	1130.0	1122.4	1118.1
7.5°	1155.1	1138.1	1122.1	1106.0	1089.0	1075.4	1066.9	1062.9	1057.4	1052.7	1047.9
10°	1126.2	1106.3	1090.6	1070.6	1052.3	1036.2	1026.0	1018.9	1015.1	1011.4	1004.3
12.5°	1096.5	1076.9	1057.0	1034.4	1017.0	998.2	990.5	982.7	975.5	971.2	961.6
15°	1052.9	1027.5	1006.5	982.8	963.4	945.1	934.3	918.6	916.5	911.1	901.4
17.5°	1009.2	981.7	952.7	935.2	913.2	894.1	877.7	872.5	857.1	851.3	842.8
20°	974.7	949.4	927.2	904.1	872.3	854.4	841.5	834.6	822.1	814.6	809.2
22.5°	944.9	919.2	893.7	866.6	840.3	820.4	811.0	800.0	793.2	782.7	776.8
25°	902.5	874.4	843.7	814.6	795.7	780.6	765.6	755.8	746.2	741.2	730.5
27.5°	853.1	823.8	795.0	772.9	749.8	734.9	721.2	712.6	700.9	692.8	686.8
30°	825.9	791.4	766.6	746.6	717.0	703.0	692.8	682.0	673.4	664.7	658.8
32.5°	794.4	763.0	739.4	714.8	692.0	676.7	663.5	653.9	646.6	638.4	632.5
35°	745.0	718.7	694.3	669.6	652.8	637.2	621.6	613.5	606.5	599.0	593.6
37.5°	700.4	675.7	652.7	629.2	608.4	595.7	583.1	576.9	567.4	562.4	556.9
40°	672.8	648.6	623.8	601.1	579.6	569.8	558.5	549.4	540.7	536.9	531.0
42.5°	642.6	618.4	597.5	573.1	555.4	542.2	531.8	521.7	515.3	509.8	506.4
45°	597.9	576.3	555.8	531.6	514.8	503.5	491.6	482.5	476.6	472.8	466.8
47.5°	554.4	532.8	512.1	490.9	474.8	461.8	450.0	443.5	435.7	431.1	427.1
50°	522.9	503.5	481.4	462.0	445.8	432.9	423.2	415.1	408.1	402.2	399.5
52.5°	494.0	473.3	454.2	436.2	419.1	404.4	395.6	387.1	381.8	375.0	371.9
55°	446.4	426.4	410.3	392.4	375.7	363.4	352.6	345.0	339.6	332.1	327.8
57.5°	401.6	383.7	364.4	349.0	331.8	321.3	312.4	302.1	295.6	289.6	285.4
60°	371.5	350.9	334.2	319.7	304.6	291.1	283.0	275.0	267.9	262.0	258.3
62.5°	339.9	322.1	306.2	290.3	276.6	264.8	255.4	248.7	242.5	238.7	235.0
65°	291.7	277.7	261.5	248.5	235.6	227.0	219.4	213.5	209.1	206.4	203.3
67.5°	247.2	233.6	219.5	206.8	198.2	191.6	186.6	181.6	179.4	175.9	173.8
70°	218.3	204.3	191.9	182.2	173.6	168.7	165.5	161.8	159.5	155.3	153.1
72.5°	186.9	176.7	167.8	159.8	152.9	148.5	144.3	139.7	136.3	131.5	129.4
75°	147.2	138.0	131.0	125.6	121.3	115.3	109.4	104.6	103.0	101.3	100.8
77.5°	109.0	103.2	98.2	93.6	88.2	83.9	82.6	81.5	81.2	80.3	80.3
80°	85.7	80.3	76.5	71.1	67.9	67.9	67.9	66.9	67.4	67.4	67.4
82.5°	63.7	58.8	56.7	54.7	54.1	54.6	54.6	54.7	54.4	55.3	54.9
85°	32.9	33.4	34.5	34.0	34.5	34.5	35.6	35.0	35.6	34.5	35.6
87.5°	13.2	14.8	15.6	16.4	17.1	17.0	17.6	17.7	18.2	18.3	18.4
90°	5.8	7.3	9.0	10.7	12.4	14.1	14.7	15.1	15.7	16.2	16.6
92.5°	17.7	18.7	19.6	20.7	21.6	22.6	23.0	23.4	23.8	24.2	24.4
95°	38.3	39.3	40.4	41.4	42.5	43.5	44.0	44.5	45.1	45.6	45.9
97.5°	64.3	65.0	65.8	66.5	67.3	68.1	68.7	69.3	69.9	70.5	70.7
100°	83.1	83.8	84.4	85.2	85.8	86.4	86.8	87.2	87.6	88.0	88.3
102.5°	103.0	103.7	104.6	105.4	106.2	107.1	107.5	107.9	108.3	108.7	108.8
105°	133.3	134.0	135.2	136.4	137.6	138.8	138.8	138.8	138.8	138.8	138.9
107.5°	169.1	169.4	169.9	170.4	170.9	171.3	171.7	172.1	172.6	173.0	173.2
110°	192.1	192.4	192.7	192.9	193.2	193.5	194.0	194.5	195.0	195.5	195.7



TEST NUMBER: P332455-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	215.2	215.3	215.4	215.5	215.5	215.6	216.2	216.8	217.5	218.1	218.3
115°	251.4	251.5	251.3	251.0	250.7	250.5	250.6	250.7	250.9	251.0	251.0
117.5°	286.5	286.5	286.1	285.7	285.4	285.0	285.0	285.0	284.9	284.9	284.8
120°	310.7	310.7	310.1	309.4	308.8	308.1	308.0	307.8	307.7	307.6	307.4
122.5°	332.9	333.0	332.6	332.3	332.0	331.6	331.3	331.0	330.6	330.3	329.9
125°	367.3	367.3	367.1	366.9	366.5	366.3	365.8	365.3	364.7	364.2	363.7
127.5°	401.6	401.8	401.6	401.2	400.9	400.7	399.9	399.2	398.5	397.8	397.0
130°	424.0	424.4	424.0	423.6	423.2	422.8	422.2	421.8	421.2	420.6	419.9
132.5°	445.7	446.0	445.8	445.4	445.1	444.9	444.3	443.6	443.0	442.4	441.7
135°	477.6	478.0	477.8	477.7	477.6	477.4	476.9	476.4	475.9	475.4	475.0
137.5°	507.7	508.2	508.5	508.9	509.2	509.5	509.0	508.4	507.9	507.4	506.8
140°	528.9	529.3	529.4	529.5	529.7	529.8	529.7	529.5	529.4	529.3	528.7
142.5°	548.1	548.6	548.8	549.1	549.3	549.5	549.4	549.3	549.1	549.0	548.6
145°	576.7	577.0	577.4	577.8	578.2	578.6	578.5	578.3	578.2	578.1	577.7
147.5°	603.9	604.3	604.7	605.0	605.4	605.8	605.8	605.8	605.8	605.8	605.4
150°	621.4	621.6	621.9	622.2	622.4	622.7	622.7	622.7	622.7	622.7	622.3
152.5°	636.8	637.1	637.2	637.4	637.5	637.7	637.9	638.2	638.3	638.6	638.3
155°	659.2	659.2	659.3	659.5	659.6	659.7	660.3	660.8	661.3	661.8	661.6
157.5°	678.7	678.7	678.8	678.9	679.1	679.1	679.7	680.2	680.8	681.4	681.2
160°	691.0	690.9	690.9	690.9	690.9	690.9	691.6	692.2	692.8	693.5	693.6
162.5°	701.9	701.8	701.9	702.0	702.1	702.2	702.8	703.5	704.2	704.8	704.7
165°	716.4	716.1	716.1	716.1	716.1	716.1	716.9	717.7	718.5	719.3	719.2
167.5°	727.5	727.3	727.4	727.5	727.6	727.7	728.5	729.3	730.2	730.9	730.9
170°	734.0	733.8	733.8	733.8	733.8	733.8	734.7	735.6	736.6	737.4	737.4
172.5°	739.3	738.9	738.9	738.9	738.9	738.9	739.8	740.6	741.4	742.2	742.2
175°	744.7	744.4	744.4	744.4	744.4	744.4	745.2	746.0	746.7	747.5	747.5
177.5°	747.3	747.1	747.1	747.1	747.1	747.1	747.7	748.4	749.0	749.6	749.6
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



TEST NUMBER: P332455-927

CATALOG NUMBER: S123RDIW-S1000D755U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1199.8	1199.4	1199.8	1198.1	1199.8	1199.4	1199.8	1205.0	1205.0	1205.5	1205.9
5°	1116.5	1115.9	1114.4	1109.5	1114.4	1115.9	1116.5	1118.1	1122.4	1130.0	1127.8
7.5°	1043.7	1043.0	1038.2	1038.3	1038.2	1043.0	1043.7	1047.9	1052.7	1057.4	1062.9
10°	1000.6	1001.1	994.7	990.9	994.7	1001.1	1000.6	1004.3	1011.4	1015.1	1018.9
12.5°	958.8	956.2	951.1	946.9	951.1	956.2	958.8	961.6	971.2	975.5	982.7
15°	903.6	898.2	885.2	886.3	885.2	898.2	903.6	901.4	911.1	916.5	918.6
17.5°	838.5	834.6	834.3	826.8	834.3	834.6	838.5	842.8	851.3	857.1	872.5
20°	800.6	797.9	798.9	791.4	798.9	797.9	800.6	809.2	814.6	822.1	834.6
22.5°	770.8	768.1	763.6	761.2	763.6	768.1	770.8	776.8	782.7	793.2	800.0
25°	727.2	722.9	718.7	721.4	718.7	722.9	727.2	730.5	741.2	746.2	755.8
27.5°	683.7	680.5	676.1	675.6	676.1	680.5	683.7	686.8	692.8	700.9	712.6
30°	656.1	652.8	650.7	648.0	650.7	652.8	656.1	658.8	664.7	673.4	682.0
32.5°	628.0	627.4	623.5	623.0	623.5	627.4	628.0	632.5	638.4	646.6	653.9
35°	591.4	588.2	587.1	587.6	587.1	588.2	591.4	593.6	599.0	606.5	613.5
37.5°	556.6	552.2	550.3	548.3	550.3	552.2	556.6	556.9	562.4	567.4	576.9
40°	531.6	527.3	526.2	525.1	526.2	527.3	531.6	531.0	536.9	540.7	549.4
42.5°	503.5	501.8	501.1	499.2	501.1	501.8	503.5	506.4	509.8	515.3	521.7
45°	465.2	464.7	461.4	462.6	461.4	464.7	465.2	466.8	472.8	476.6	482.5
47.5°	424.9	422.6	420.3	421.8	420.3	422.6	424.9	427.1	431.1	435.7	443.5
50°	397.4	396.2	391.4	392.4	391.4	396.2	397.4	399.5	402.2	408.1	415.1
52.5°	369.7	365.6	363.8	363.1	363.8	365.6	369.7	371.9	375.0	381.8	387.1
55°	324.0	319.2	317.0	315.9	317.0	319.2	324.0	327.8	332.1	339.6	345.0
57.5°	279.2	277.8	276.2	277.3	276.2	277.8	279.2	285.4	289.6	295.6	302.1
60°	252.9	252.9	252.9	252.3	252.9	252.9	252.9	258.3	262.0	267.9	275.0
62.5°	232.6	231.2	230.8	231.6	230.8	231.2	232.6	235.0	238.7	242.5	248.7
65°	201.6	201.1	198.9	198.4	198.9	201.1	201.6	203.3	206.4	209.1	213.5
67.5°	172.4	170.5	169.8	169.1	169.8	170.5	172.4	173.8	175.9	179.4	181.6
70°	150.4	149.3	146.1	146.6	146.1	149.3	150.4	153.1	155.3	159.5	161.8
72.5°	126.7	125.6	124.9	124.2	124.9	125.6	126.7	129.4	131.5	136.3	139.7
75°	100.3	99.7	99.2	101.3	99.2	99.7	100.3	100.8	101.3	103.0	104.6
77.5°	80.3	80.3	80.6	79.8	80.6	80.3	80.3	80.3	80.3	81.2	81.5
80°	67.4	67.4	66.9	66.9	66.9	67.4	67.4	67.4	67.4	67.4	66.9
82.5°	54.0	54.4	54.7	53.9	54.7	54.4	54.0	54.9	55.3	54.4	54.7
85°	35.6	35.0	36.1	35.6	36.1	35.0	35.6	35.6	34.5	35.6	35.0
87.5°	19.3	18.5	18.5	19.1	18.5	18.5	19.3	18.4	18.3	18.2	17.7
90°	16.9	17.1	17.3	17.7	17.3	17.1	16.9	16.6	16.2	15.7	15.1
92.5°	24.2	24.1	23.9	23.8	23.9	24.1	24.2	24.4	24.2	23.8	23.4
95°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.6	45.1	44.5
97.5°	70.7	70.7	70.6	70.6	70.6	70.7	70.7	70.7	70.5	69.9	69.3
100°	88.6	88.9	89.1	89.4	89.1	88.9	88.6	88.3	88.0	87.6	87.2
102.5°	108.8	108.8	108.7	108.7	108.7	108.8	108.8	108.8	108.7	108.3	107.9
105°	139.2	139.4	139.7	140.0	139.7	139.4	139.2	138.9	138.8	138.8	138.8
107.5°	173.0	172.9	172.7	172.5	172.7	172.9	173.0	173.2	173.0	172.6	172.1
110°	195.4	195.1	194.9	194.6	194.9	195.1	195.4	195.7	195.5	195.0	194.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	218.3	218.2	218.2	218.2	218.2	218.2	218.3	218.3	218.1	217.5	216.8
115°	250.9	250.7	250.6	250.5	250.6	250.7	250.9	251.0	251.0	250.9	250.7
117.5°	284.4	284.0	283.7	283.3	283.7	284.0	284.4	284.8	284.9	284.9	285.0
120°	307.1	306.9	306.6	306.3	306.6	306.9	307.1	307.4	307.6	307.7	307.8
122.5°	329.5	329.2	328.8	328.4	328.8	329.2	329.5	329.9	330.3	330.6	331.0
125°	363.2	362.7	362.1	361.6	362.1	362.7	363.2	363.7	364.2	364.7	365.3
127.5°	396.5	395.9	395.3	394.7	395.3	395.9	396.5	397.0	397.8	398.5	399.2
130°	419.1	418.1	417.2	416.3	417.2	418.1	419.1	419.9	420.6	421.2	421.8
132.5°	441.0	440.3	439.6	438.9	439.6	440.3	441.0	441.7	442.4	443.0	443.6
135°	474.7	474.4	474.2	473.9	474.2	474.4	474.7	475.0	475.4	475.9	476.4
137.5°	506.4	505.8	505.3	504.9	505.3	505.8	506.4	506.8	507.4	507.9	508.4
140°	527.8	526.9	526.0	525.1	526.0	526.9	527.8	528.7	529.3	529.4	529.5
142.5°	547.9	547.2	546.4	545.7	546.4	547.2	547.9	548.6	549.0	549.1	549.3
145°	577.2	576.7	576.2	575.7	576.2	576.7	577.2	577.7	578.1	578.2	578.3
147.5°	604.6	603.8	603.0	602.2	603.0	603.8	604.6	605.4	605.8	605.8	605.8
150°	621.5	620.8	620.0	619.2	620.0	620.8	621.5	622.3	622.7	622.7	622.7
152.5°	637.6	637.0	636.3	635.6	636.3	637.0	637.6	638.3	638.6	638.3	638.2
155°	660.7	659.8	658.9	658.0	658.9	659.8	660.7	661.6	661.8	661.3	660.8
157.5°	680.5	679.8	679.1	678.3	679.1	679.8	680.5	681.2	681.4	680.8	680.2
160°	693.1	692.5	692.0	691.5	692.0	692.5	693.1	693.6	693.5	692.8	692.2
162.5°	703.9	703.1	702.2	701.3	702.2	703.1	703.9	704.7	704.8	704.2	703.5
165°	718.4	717.4	716.5	715.6	716.5	717.4	718.4	719.2	719.3	718.5	717.7
167.5°	730.2	729.3	728.5	727.7	728.5	729.3	730.2	730.9	730.9	730.2	729.3
170°	736.6	735.6	734.7	733.8	734.7	735.6	736.6	737.4	737.4	736.6	735.6
172.5°	741.2	740.4	739.4	738.6	739.4	740.4	741.2	742.2	742.2	741.4	740.6
175°	746.6	745.6	744.7	743.8	744.7	745.6	746.6	747.5	747.5	746.7	746.0
177.5°	748.8	748.1	747.3	746.6	747.3	748.1	748.8	749.6	749.6	749.0	748.4
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1202.0	1208.0	1214.1	1219.6	1228.3	1232.2	1237.8	1239.9	1246.4	1255.9	1263.7
5°	1128.9	1137.5	1148.8	1158.0	1172.6	1183.8	1196.3	1208.2	1222.2	1242.1	1259.9
7.5°	1066.9	1075.4	1089.0	1106.0	1122.1	1138.1	1155.1	1171.2	1191.3	1219.9	1248.2
10°	1026.0	1036.2	1052.3	1070.6	1090.6	1106.3	1126.2	1146.7	1171.5	1204.4	1238.3
12.5°	990.5	998.2	1017.0	1034.4	1057.0	1076.9	1096.5	1120.4	1148.6	1183.7	1224.6
15°	934.3	945.1	963.4	982.8	1006.5	1027.5	1052.9	1082.0	1109.5	1152.6	1202.2
17.5°	877.7	894.1	913.2	935.2	952.7	981.7	1009.2	1039.1	1072.9	1118.6	1173.1
20°	841.5	854.4	872.3	904.1	927.2	949.4	974.7	1011.9	1043.1	1095.0	1151.5
22.5°	811.0	820.4	840.3	866.6	893.7	919.2	944.9	980.4	1019.0	1068.2	1129.6
25°	765.6	780.6	795.7	814.6	843.7	874.4	902.5	932.6	973.6	1026.0	1092.3
27.5°	721.2	734.9	749.8	772.9	795.0	823.8	853.1	887.7	931.7	987.0	1054.2
30°	692.8	703.0	717.0	746.6	766.6	791.4	825.9	856.7	897.6	956.4	1027.5
32.5°	663.5	676.7	692.0	714.8	739.4	763.0	794.4	827.8	869.6	927.5	1000.4
35°	621.6	637.2	652.8	669.6	694.3	718.7	745.0	781.7	824.3	880.4	952.0
37.5°	583.1	595.7	608.4	629.2	652.7	675.7	700.4	736.5	776.7	837.1	902.9
40°	558.5	569.8	579.6	601.1	623.8	648.6	672.8	704.6	747.7	804.4	868.0
42.5°	531.8	542.2	555.4	573.1	597.5	618.4	642.6	672.7	713.2	770.7	826.6
45°	491.6	503.5	514.8	531.6	555.8	576.3	597.9	626.5	668.0	715.4	765.0
47.5°	450.0	461.8	474.8	490.9	512.1	532.8	554.4	579.7	617.6	664.2	697.6
50°	423.2	432.9	445.8	462.0	481.4	503.5	522.9	550.4	586.5	623.2	652.3
52.5°	395.6	404.4	419.1	436.2	454.2	473.3	494.0	517.6	550.3	584.8	607.9
55°	352.6	363.4	375.7	392.4	410.3	426.4	446.4	470.6	496.5	522.4	538.1
57.5°	312.4	321.3	331.8	349.0	364.4	383.7	401.6	420.5	444.4	464.0	474.2
60°	283.0	291.1	304.6	319.7	334.2	350.9	371.5	390.3	408.6	424.3	432.4
62.5°	255.4	264.8	276.6	290.3	306.2	322.1	339.9	355.8	372.0	385.5	390.9
65°	219.4	227.0	235.6	248.5	261.5	277.7	291.7	307.8	319.7	327.3	332.1
67.5°	186.6	191.6	198.2	206.8	219.5	233.6	247.2	259.8	269.7	275.0	279.2
70°	165.5	168.7	173.6	182.2	191.9	204.3	218.3	227.5	236.1	240.4	244.8
72.5°	144.3	148.5	152.9	159.8	167.8	176.7	186.9	198.2	203.0	208.1	210.7
75°	109.4	115.3	121.3	125.6	131.0	138.0	147.2	154.2	156.9	161.2	161.8
77.5°	82.6	83.9	88.2	93.6	98.2	103.2	109.0	115.3	116.5	118.8	120.3
80°	67.9	67.9	67.9	71.1	76.5	80.3	85.7	89.0	91.1	91.7	92.2
82.5°	54.6	54.6	54.1	54.7	56.7	58.8	63.7	67.4	69.1	68.8	67.6
85°	35.6	34.5	34.5	34.0	34.5	33.4	32.9	35.0	38.3	38.3	37.2
87.5°	17.6	17.0	17.1	16.4	15.6	14.8	13.2	13.4	13.2	14.6	13.9
90°	14.7	14.1	12.4	10.7	9.0	7.3	5.8	4.5	3.2	1.9	0.6
92.5°	23.0	22.6	21.6	20.7	19.6	18.7	17.7	16.9	16.0	15.1	14.3
95°	44.0	43.5	42.5	41.4	40.4	39.3	38.3	37.5	36.5	35.6	34.7
97.5°	68.7	68.1	67.3	66.5	65.8	65.0	64.3	63.7	63.0	62.3	61.6
100°	86.8	86.4	85.8	85.2	84.4	83.8	83.1	82.3	81.5	80.7	79.9
102.5°	107.5	107.1	106.2	105.4	104.6	103.7	103.0	102.5	102.1	101.6	101.2
105°	138.8	138.8	137.6	136.4	135.2	134.0	133.3	133.1	132.8	132.5	132.3
107.5°	171.7	171.3	170.9	170.4	169.9	169.4	169.1	169.0	168.8	168.7	168.5
110°	194.0	193.5	193.2	192.9	192.7	192.4	192.1	191.9	191.6	191.4	191.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	216.2	215.6	215.5	215.5	215.4	215.3	215.2	215.1	214.9	214.8	214.6
115°	250.6	250.5	250.7	251.0	251.3	251.5	251.4	251.0	250.6	250.3	249.9
117.5°	285.0	285.0	285.4	285.7	286.1	286.5	286.5	286.2	285.9	285.7	285.4
120°	308.0	308.1	308.8	309.4	310.1	310.7	310.7	309.9	309.1	308.3	307.5
122.5°	331.3	331.6	332.0	332.3	332.6	333.0	332.9	332.3	331.7	331.1	330.6
125°	365.8	366.3	366.5	366.9	367.1	367.3	367.3	366.9	366.5	366.1	365.8
127.5°	399.9	400.7	400.9	401.2	401.6	401.8	401.6	400.7	399.9	399.0	398.2
130°	422.2	422.8	423.2	423.6	424.0	424.4	424.0	422.9	421.9	420.9	419.9
132.5°	444.3	444.9	445.1	445.4	445.8	446.0	445.7	444.6	443.5	442.5	441.5
135°	476.9	477.4	477.6	477.7	477.8	478.0	477.6	476.9	476.1	475.3	474.5
137.5°	509.0	509.5	509.2	508.9	508.5	508.2	507.7	507.1	506.4	505.7	505.1
140°	529.7	529.8	529.7	529.5	529.4	529.3	528.9	528.2	527.6	526.9	526.2
142.5°	549.4	549.5	549.3	549.1	548.8	548.6	548.1	547.5	546.8	546.2	545.6
145°	578.5	578.6	578.2	577.8	577.4	577.0	576.7	576.4	576.2	575.9	575.7
147.5°	605.8	605.8	605.4	605.0	604.7	604.3	603.9	603.4	602.9	602.5	602.0
150°	622.7	622.7	622.4	622.2	621.9	621.6	621.4	621.2	620.8	620.6	620.4
152.5°	637.9	637.7	637.5	637.4	637.2	637.1	636.8	636.5	636.1	635.7	635.4
155°	660.3	659.7	659.6	659.5	659.3	659.2	659.2	659.2	659.2	659.2	659.2
157.5°	679.7	679.1	679.1	678.9	678.8	678.7	678.7	678.9	679.1	679.2	679.4
160°	691.6	690.9	690.9	690.9	690.9	690.9	691.0	691.3	691.6	691.8	692.1
162.5°	702.8	702.2	702.1	702.0	701.9	701.8	701.9	702.3	702.6	703.0	703.4
165°	716.9	716.1	716.1	716.1	716.1	716.1	716.4	716.8	717.2	717.6	718.0
167.5°	728.5	727.7	727.6	727.5	727.4	727.3	727.5	728.0	728.6	729.0	729.6
170°	734.7	733.8	733.8	733.8	733.8	733.8	734.0	734.6	735.1	735.6	736.2
172.5°	739.8	738.9	738.9	738.9	738.9	738.9	739.3	739.7	740.3	740.8	741.3
175°	745.2	744.4	744.4	744.4	744.4	744.4	744.7	745.2	745.7	746.2	746.7
177.5°	747.7	747.1	747.1	747.1	747.1	747.1	747.3	747.7	748.1	748.5	749.0
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1266.2	1271.0	1277.0	1286.1	1293.0	1299.0	1300.3	1302.0	1306.4	1313.7	1319.3
5°	1274.5	1286.8	1306.8	1326.2	1347.3	1364.5	1380.6	1391.9	1402.7	1425.4	1443.8
7.5°	1271.8	1299.5	1330.7	1365.6	1400.8	1435.0	1466.7	1495.1	1523.3	1556.3	1593.9
10°	1270.1	1302.5	1344.5	1389.3	1438.4	1486.3	1532.7	1568.8	1610.8	1648.6	1696.5
12.5°	1261.9	1308.5	1358.8	1416.0	1476.3	1531.6	1592.6	1642.5	1690.7	1745.2	1800.9
15°	1251.3	1307.9	1371.5	1447.5	1539.1	1606.0	1668.5	1755.3	1814.7	1873.9	1953.8
17.5°	1231.8	1300.8	1380.3	1479.1	1555.5	1645.4	1739.5	1808.1	1887.9	1971.5	2043.8
20°	1216.2	1296.6	1385.5	1482.6	1580.1	1677.7	1768.8	1850.8	1933.2	2029.7	2089.1
22.5°	1200.7	1280.2	1372.5	1475.7	1580.6	1683.3	1786.5	1882.7	1975.5	2072.8	2148.6
25°	1167.7	1262.0	1362.3	1467.4	1571.0	1684.2	1807.0	1914.4	2029.2	2129.5	2201.2
27.5°	1134.2	1220.8	1320.6	1427.2	1542.3	1676.1	1820.7	1942.6	2057.7	2129.5	2152.0
30°	1104.1	1195.7	1287.4	1395.7	1520.3	1669.6	1823.3	1962.9	2057.2	2088.5	2065.3
32.5°	1073.5	1156.5	1247.3	1358.2	1490.5	1653.7	1826.7	1950.8	2007.6	1983.7	1889.4
35°	1019.5	1094.4	1182.3	1293.3	1445.3	1644.8	1812.5	1896.6	1882.5	1747.8	1569.9
37.5°	961.6	1022.7	1104.1	1220.2	1398.5	1609.8	1751.2	1763.6	1642.4	1435.4	1229.9
40°	915.9	970.9	1054.5	1175.8	1362.3	1575.3	1689.6	1639.4	1451.3	1221.1	1049.6
42.5°	871.5	917.9	998.4	1129.2	1327.9	1528.3	1597.7	1488.5	1271.5	1053.8	897.9
45°	796.2	840.0	920.8	1055.0	1257.2	1438.4	1429.2	1239.4	1022.2	846.9	717.6
47.5°	724.8	763.0	838.9	976.0	1174.3	1303.5	1217.8	1015.9	831.6	691.0	598.7
50°	674.4	712.2	787.7	923.0	1107.9	1202.2	1079.8	885.2	716.4	600.0	526.7
52.5°	626.1	663.0	732.0	863.9	1027.6	1084.0	952.6	772.2	631.5	531.0	468.0
55°	558.5	586.5	648.6	774.7	897.1	910.0	776.8	625.9	510.0	439.9	396.8
57.5°	489.6	513.7	575.0	675.5	761.3	754.6	628.4	497.8	419.8	367.7	336.4
60°	444.7	468.5	522.4	608.6	673.4	650.7	534.8	429.7	362.8	324.6	299.8
62.5°	402.9	421.4	471.9	534.9	581.5	555.8	457.2	370.2	317.1	284.9	265.2
65°	342.3	357.4	397.8	430.7	456.6	431.8	349.9	289.5	251.2	228.5	215.1
67.5°	284.8	294.4	319.9	331.8	350.0	322.8	263.1	222.7	200.9	181.8	172.4
70°	248.5	255.6	269.0	278.7	283.6	255.6	211.4	181.6	163.3	149.9	143.9
72.5°	212.3	218.5	221.2	229.1	226.6	200.3	169.9	146.3	133.2	124.0	116.4
75°	162.2	164.9	162.2	159.1	152.0	133.7	112.6	100.8	91.1	86.8	84.1
77.5°	118.3	117.4	113.8	108.7	96.7	85.2	73.8	69.9	65.7	63.4	62.4
80°	91.1	89.0	85.7	77.6	67.4	59.3	56.6	53.9	52.3	49.6	49.0
82.5°	67.8	66.5	61.2	54.3	47.1	43.3	41.1	40.1	38.5	37.1	37.0
85°	36.1	34.5	28.6	24.8	23.7	22.7	22.1	22.1	20.0	19.4	19.4
87.5°	12.0	9.7	9.5	8.5	8.8	8.2	9.0	8.6	8.4	9.0	8.2
90°	1.9	3.2	4.5	5.8	7.3	9.0	10.7	12.4	14.1	14.7	15.1
92.5°	15.1	16.0	16.9	17.7	18.7	19.6	20.7	21.6	22.6	23.0	23.4
95°	35.6	36.5	37.5	38.3	39.3	40.4	41.4	42.5	43.5	44.0	44.5
97.5°	62.3	63.0	63.7	64.3	65.0	65.8	66.5	67.3	68.1	68.7	69.3
100°	80.7	81.5	82.3	83.1	83.8	84.4	85.2	85.8	86.4	86.8	87.2
102.5°	101.6	102.1	102.5	103.0	103.7	104.6	105.4	106.2	107.1	107.5	107.9
105°	132.5	132.8	133.1	133.3	134.0	135.2	136.4	137.6	138.8	138.8	138.8
107.5°	168.7	168.8	169.0	169.1	169.4	169.9	170.4	170.9	171.3	171.7	172.1
110°	191.4	191.6	191.9	192.1	192.4	192.7	192.9	193.2	193.5	194.0	194.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	214.8	214.9	215.1	215.2	215.3	215.4	215.5	215.5	215.6	216.2	216.8
115°	250.3	250.6	251.0	251.4	251.5	251.3	251.0	250.7	250.5	250.6	250.7
117.5°	285.7	285.9	286.2	286.5	286.5	286.1	285.7	285.4	285.0	285.0	285.0
120°	308.3	309.1	309.9	310.7	310.7	310.1	309.4	308.8	308.1	308.0	307.8
122.5°	331.1	331.7	332.3	332.9	333.0	332.6	332.3	332.0	331.6	331.3	331.0
125°	366.1	366.5	366.9	367.3	367.3	367.1	366.9	366.5	366.3	365.8	365.3
127.5°	399.0	399.9	400.7	401.6	401.8	401.6	401.2	400.9	400.7	399.9	399.2
130°	420.9	421.9	422.9	424.0	424.4	424.0	423.6	423.2	422.8	422.2	421.8
132.5°	442.5	443.5	444.6	445.7	446.0	445.8	445.4	445.1	444.9	444.3	443.6
135°	475.3	476.1	476.9	477.6	478.0	477.8	477.7	477.6	477.4	476.9	476.4
137.5°	505.7	506.4	507.1	507.7	508.2	508.5	508.9	509.2	509.5	509.0	508.4
140°	526.9	527.6	528.2	528.9	529.3	529.4	529.5	529.7	529.8	529.7	529.5
142.5°	546.2	546.8	547.5	548.1	548.6	548.8	549.1	549.3	549.5	549.4	549.3
145°	575.9	576.2	576.4	576.7	577.0	577.4	577.8	578.2	578.6	578.5	578.3
147.5°	602.5	602.9	603.4	603.9	604.3	604.7	605.0	605.4	605.8	605.8	605.8
150°	620.6	620.8	621.2	621.4	621.6	621.9	622.2	622.4	622.7	622.7	622.7
152.5°	635.7	636.1	636.5	636.8	637.1	637.2	637.4	637.5	637.7	637.9	638.2
155°	659.2	659.2	659.2	659.2	659.2	659.3	659.5	659.6	659.7	660.3	660.8
157.5°	679.2	679.1	678.9	678.7	678.7	678.8	678.9	679.1	679.1	679.7	680.2
160°	691.8	691.6	691.3	691.0	690.9	690.9	690.9	690.9	690.9	691.6	692.2
162.5°	703.0	702.6	702.3	701.9	701.8	701.9	702.0	702.1	702.2	702.8	703.5
165°	717.6	717.2	716.8	716.4	716.1	716.1	716.1	716.1	716.1	716.9	717.7
167.5°	729.0	728.6	728.0	727.5	727.3	727.4	727.5	727.6	727.7	728.5	729.3
170°	735.6	735.1	734.6	734.0	733.8	733.8	733.8	733.8	733.8	734.7	735.6
172.5°	740.8	740.3	739.7	739.3	738.9	738.9	738.9	738.9	738.9	739.8	740.6
175°	746.2	745.7	745.2	744.7	744.4	744.4	744.4	744.4	744.4	745.2	746.0
177.5°	748.5	748.1	747.7	747.3	747.1	747.1	747.1	747.1	747.1	747.7	748.4
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1328.3	1328.3	1330.1	1336.6	1337.4	1343.0	1341.3
5°	1459.9	1470.1	1473.9	1490.1	1499.8	1504.1	1495.5
7.5°	1620.8	1649.6	1663.3	1680.3	1695.3	1699.8	1688.1
10°	1738.0	1768.2	1793.6	1809.3	1823.8	1833.5	1845.9
12.5°	1851.5	1888.6	1912.6	1934.7	1949.7	1962.0	1964.1
15°	1974.8	2030.8	2073.4	2104.7	2120.3	2128.4	2125.2
17.5°	2099.0	2151.0	2181.4	2213.3	2234.9	2236.0	2236.6
20°	2169.4	2220.0	2255.1	2278.8	2303.0	2302.0	2307.4
22.5°	2216.4	2256.3	2283.1	2300.3	2308.7	2304.5	2305.6
25°	2238.4	2250.2	2245.4	2217.9	2210.9	2185.6	2189.8
27.5°	2124.9	2068.9	2010.9	1936.3	1877.4	1830.3	1832.7
30°	1970.9	1871.8	1758.6	1663.7	1578.5	1554.8	1504.1
32.5°	1755.8	1606.9	1474.3	1385.9	1312.8	1293.0	1248.8
35°	1390.9	1246.4	1110.0	1028.1	995.7	950.5	949.9
37.5°	1081.1	953.9	881.8	820.3	788.1	760.7	758.0
40°	909.5	810.2	755.8	711.6	679.9	659.3	654.5
42.5°	789.6	709.3	658.4	631.0	606.5	596.0	588.0
45°	644.8	590.9	555.2	530.4	519.2	511.0	506.8
47.5°	539.3	503.2	479.0	462.5	453.3	444.7	447.0
50°	482.0	452.3	434.5	418.9	411.9	405.9	406.5
52.5°	435.8	409.2	394.8	383.5	374.8	370.6	368.5
55°	369.8	353.1	338.6	330.5	325.6	319.7	318.1
57.5°	315.4	302.5	290.7	281.5	280.4	274.6	275.4
60°	279.2	268.5	258.8	253.9	250.2	245.3	246.9
62.5°	249.5	240.4	231.6	227.6	223.9	220.3	221.0
65°	204.3	195.7	190.3	188.1	186.6	184.9	183.3
67.5°	162.8	157.6	154.2	149.6	146.2	145.7	144.0
70°	137.0	129.9	124.0	118.0	116.5	115.9	116.5
72.5°	109.8	105.4	103.7	100.8	100.5	99.1	100.1
75°	82.5	80.9	79.8	77.6	77.6	77.6	77.6
77.5°	60.8	59.8	59.2	58.8	58.2	57.4	57.4
80°	47.5	46.9	45.8	45.8	45.3	45.8	45.3
82.5°	35.8	35.7	34.6	34.6	34.1	33.7	34.1
85°	18.3	17.8	18.9	17.8	18.3	17.3	18.3
87.5°	8.3	8.4	8.1	8.1	7.8	8.6	7.8
90°	15.7	16.2	16.6	16.9	17.1	17.3	17.7
92.5°	23.8	24.2	24.4	24.2	24.1	23.9	23.8
95°	45.1	45.6	45.9	45.9	45.9	45.9	45.9
97.5°	69.9	70.5	70.7	70.7	70.7	70.6	70.6
100°	87.6	88.0	88.3	88.6	88.9	89.1	89.4
102.5°	108.3	108.7	108.8	108.8	108.8	108.7	108.7
105°	138.8	138.8	138.9	139.2	139.4	139.7	140.0
107.5°	172.6	173.0	173.2	173.0	172.9	172.7	172.5
110°	195.0	195.5	195.7	195.4	195.1	194.9	194.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	217.5	218.1	218.3	218.3	218.2	218.2	218.2
115°	250.9	251.0	251.0	250.9	250.7	250.6	250.5
117.5°	284.9	284.9	284.8	284.4	284.0	283.7	283.3
120°	307.7	307.6	307.4	307.1	306.9	306.6	306.3
122.5°	330.6	330.3	329.9	329.5	329.2	328.8	328.4
125°	364.7	364.2	363.7	363.2	362.7	362.1	361.6
127.5°	398.5	397.8	397.0	396.5	395.9	395.3	394.7
130°	421.2	420.6	419.9	419.1	418.1	417.2	416.3
132.5°	443.0	442.4	441.7	441.0	440.3	439.6	438.9
135°	475.9	475.4	475.0	474.7	474.4	474.2	473.9
137.5°	507.9	507.4	506.8	506.4	505.8	505.3	504.9
140°	529.4	529.3	528.7	527.8	526.9	526.0	525.1
142.5°	549.1	549.0	548.6	547.9	547.2	546.4	545.7
145°	578.2	578.1	577.7	577.2	576.7	576.2	575.7
147.5°	605.8	605.8	605.4	604.6	603.8	603.0	602.2
150°	622.7	622.7	622.3	621.5	620.8	620.0	619.2
152.5°	638.3	638.6	638.3	637.6	637.0	636.3	635.6
155°	661.3	661.8	661.6	660.7	659.8	658.9	658.0
157.5°	680.8	681.4	681.2	680.5	679.8	679.1	678.3
160°	692.8	693.5	693.6	693.1	692.5	692.0	691.5
162.5°	704.2	704.8	704.7	703.9	703.1	702.2	701.3
165°	718.5	719.3	719.2	718.4	717.4	716.5	715.6
167.5°	730.2	730.9	730.9	730.2	729.3	728.5	727.7
170°	736.6	737.4	737.4	736.6	735.6	734.7	733.8
172.5°	741.4	742.2	742.2	741.2	740.4	739.4	738.6
175°	746.7	747.5	747.5	746.6	745.6	744.7	743.8
177.5°	749.0	749.6	749.6	748.8	748.1	747.3	746.6
180°	748.5	748.5	748.5	748.5	748.5	748.5	748.5

(END OF REPORT)