

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: P333685-840

Luminaire Tested: **S125RDIW-S850D770U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333685-840  
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: S125RDIW-S850D770U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5999.6 lumens  
Efficiency: N/A  
Efficacy: 133.3 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

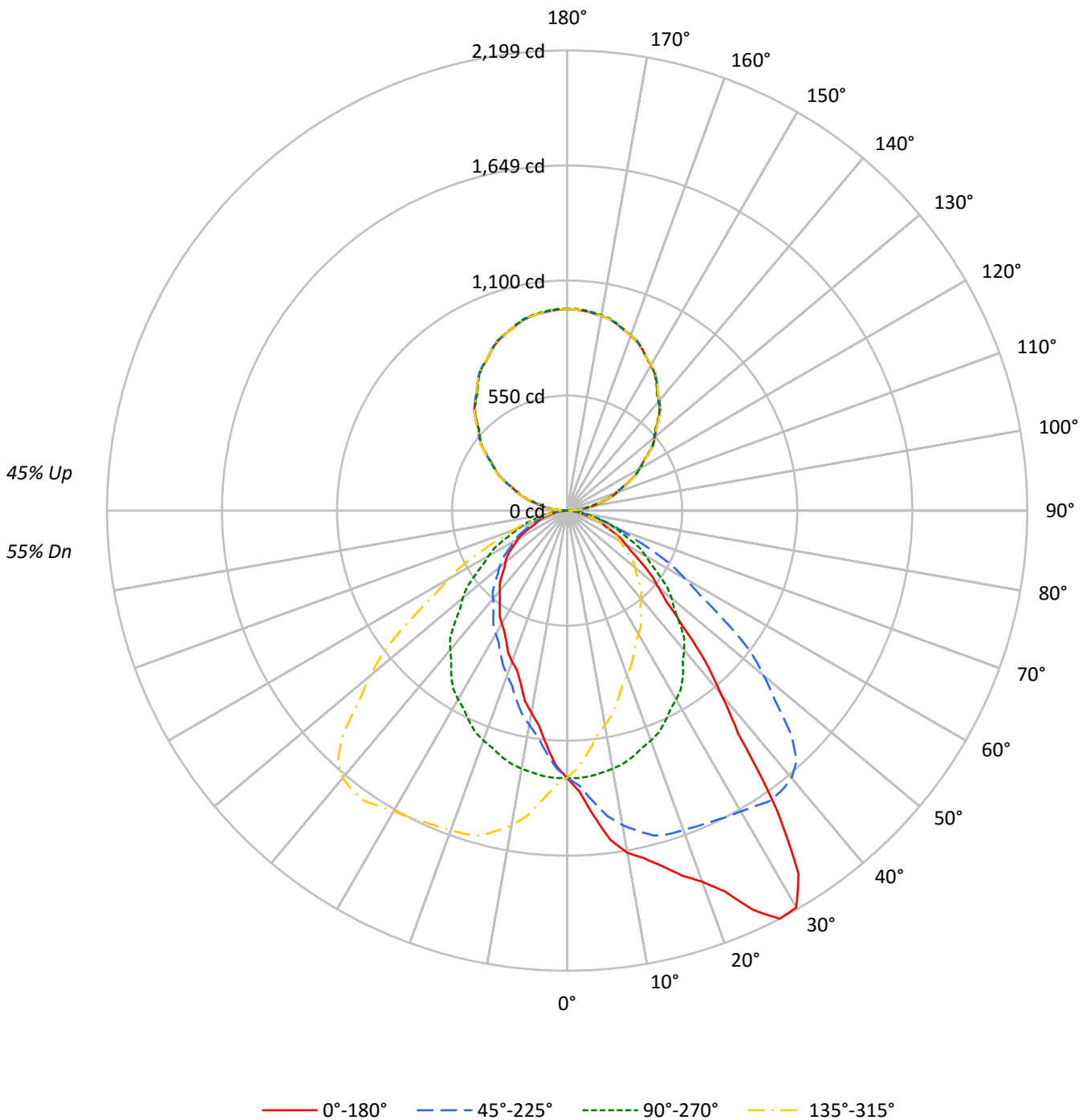
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	55	53	52	47
2	91	84	78	73	84	78	73	68	67	64	60	58	55	52	49	47	45	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	39	35
4	76	66	58	52	71	61	55	49	53	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	42	48	42	38	41	37	34	35	32	29	26
6	65	53	45	39	60	49	42	37	43	38	33	37	33	30	32	29	26	23
7	60	48	40	34	56	45	38	33	39	34	29	34	30	26	29	26	23	21
8	56	43	36	30	52	41	34	29	36	30	26	31	27	24	27	23	21	19
9	52	40	32	27	48	37	31	26	33	27	24	29	24	21	25	21	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8250	8250	8250	8250
5°	9491	8261	7295	8261
10°	10887	8218	6437	8218
15°	11760	8134	5722	8134
20°	12967	8036	5283	8036
25°	15007	7906	4903	7906
30°	16330	7770	4653	7770
35°	13775	7611	4424	7611
40°	9620	7325	4226	7325
45°	7136	6940	4032	6940
50°	5690	6539	3867	6539
55°	4829	6040	3719	6040
60°	4173	5594	3481	5594
65°	3718	5113	2997	5113
70°	3269	4683	2732	4683
75°	2827	4057	2565	4057
80°	2146	3414	2146	3414
85°	1786	2682	2023	2682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.5	2.0
10°-20°	359.0	6.0
20°-30°	569.2	9.5
30°-40°	686.4	11.4
40°-50°	613.0	10.2
50°-60°	470.0	7.8
60°-70°	305.5	5.1
70°-80°	148.5	2.5
80°-90°	37.6	0.6
90°-100°	64.5	1.1
100°-110°	190.5	3.2
110°-120°	322.7	5.4
120°-130°	424.7	7.1
130°-140°	475.9	7.9
140°-150°	466.4	7.8
150°-160°	391.7	6.5
160°-170°	260.4	4.3
170°-180°	91.1	1.5
0°-30°	1050.6	17.5
0°-40°	1737.0	29.0
0°-60°	2820.0	47.0
0°-90°	3311.6	55.2
90°-120°	577.8	9.6
90°-150°	1944.8	32.4
90°-180°	2688.0	44.8
0°-180°	5999.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1277	1277	1277	1277	1277	
5°	1464	1274	1125	1274	1464	146
15°	1759	1217	856	1217	1759	504
25°	2106	1110	688	1110	2106	967
35°	1747	965	561	965	1747	1055
45°	781	760	442	760	781	623
55°	429	536	330	536	429	389
65°	243	335	196	335	243	242
75°	113	163	103	163	113	121
85°	24	36	27	36	24	28
90°	18	1	18	1	18	12
95°	64	49	64	49	64	66
105°	186	171	186	171	186	197
115°	326	323	326	323	326	323
125°	474	472	474	472	474	424
135°	616	613	616	613	616	475
145°	746	743	746	743	746	466
155°	850	850	850	850	850	391
165°	922	924	922	924	922	260
175°	957	961	957	961	957	91
180°	963	963	963	963	963	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1343.6	1342.8	1344.5	1339.9	1340.3	1333.1	1333.1	1327.7	1320.6	1315.1	1312.6
5°	1464.0	1465.1	1463.0	1455.1	1449.9	1442.0	1433.1	1417.3	1404.2	1391.7	1381.7
7.5°	1588.0	1588.7	1581.9	1579.4	1566.2	1556.5	1536.7	1515.3	1496.3	1472.2	1453.8
10°	1660.1	1659.6	1652.3	1646.5	1635.0	1620.3	1600.9	1575.7	1552.2	1525.9	1500.8
12.5°	1702.1	1700.7	1698.4	1691.4	1680.7	1667.7	1651.2	1626.5	1597.4	1568.7	1539.3
15°	1758.8	1755.0	1748.3	1739.3	1724.1	1708.9	1690.6	1668.6	1640.7	1608.2	1580.9
17.5°	1828.8	1828.9	1818.5	1806.0	1785.3	1758.6	1730.2	1694.7	1656.9	1621.1	1592.1
20°	1886.7	1885.1	1874.6	1850.5	1826.9	1793.3	1760.8	1717.3	1671.1	1624.5	1588.3
22.5°	1969.7	1965.7	1954.8	1923.1	1886.5	1843.3	1793.5	1740.4	1684.6	1631.6	1584.2
25°	2105.9	2102.7	2081.2	2044.6	1993.2	1926.5	1861.5	1788.7	1708.4	1638.7	1580.9
27.5°	2199.0	2195.5	2179.6	2149.1	2101.7	2031.6	1943.6	1846.2	1746.1	1650.1	1566.9
30°	2189.8	2197.7	2195.5	2181.4	2145.8	2082.8	2001.6	1892.0	1772.9	1660.1	1561.0
32.5°	2058.0	2065.1	2083.6	2111.3	2113.4	2088.3	2027.5	1926.3	1803.1	1674.9	1556.4
35°	1747.2	1756.7	1792.3	1848.5	1921.8	1983.2	1995.8	1941.3	1830.6	1692.6	1549.5
37.5°	1343.2	1394.8	1424.8	1483.9	1594.8	1707.7	1816.2	1856.1	1809.1	1685.4	1538.3
40°	1141.0	1153.6	1207.1	1273.7	1367.1	1484.5	1639.2	1750.9	1754.5	1668.6	1520.7
42.5°	976.5	992.5	1029.3	1082.4	1162.4	1279.8	1439.5	1586.9	1655.2	1622.4	1497.6
45°	781.3	793.3	820.1	861.0	922.4	1019.4	1156.8	1327.2	1462.5	1515.4	1435.7
47.5°	641.9	648.3	671.7	702.8	748.2	818.9	925.2	1073.2	1235.5	1349.2	1338.0
50°	566.3	573.7	591.5	615.1	653.4	713.2	798.1	921.3	1088.6	1227.6	1255.4
52.5°	507.6	513.7	524.8	547.1	578.7	624.6	693.2	804.7	955.2	1103.0	1167.2
55°	428.9	433.1	442.0	454.6	479.8	512.8	572.1	649.1	770.8	919.8	1014.1
57.5°	364.2	366.2	371.9	383.5	400.9	425.1	467.9	533.2	620.5	754.6	858.7
60°	323.1	325.1	332.4	340.3	354.0	376.0	409.5	455.1	539.1	649.6	755.1
62.5°	290.3	291.5	294.7	302.6	314.5	331.5	357.9	395.2	461.9	559.1	658.6
65°	243.3	243.9	244.9	251.2	258.5	271.1	288.4	314.6	365.0	438.4	526.4
67.5°	198.2	198.9	202.6	204.8	212.5	219.0	229.2	249.3	284.8	334.3	402.7
70°	173.1	172.5	176.2	178.8	181.5	189.2	196.1	212.4	234.4	272.2	329.3
72.5°	149.6	148.1	149.8	150.7	154.2	159.6	166.3	176.3	193.3	219.2	263.1
75°	113.3	113.8	113.8	114.8	117.4	119.6	121.7	126.9	136.3	153.6	177.2
77.5°	79.5	78.7	80.9	81.2	82.7	85.0	86.8	89.0	92.8	100.0	112.1
80°	57.7	57.7	58.2	59.8	59.3	60.3	62.9	65.0	69.8	73.9	78.2
82.5°	44.2	43.8	44.3	44.6	44.5	45.6	46.6	47.0	48.8	50.9	53.8
85°	24.1	24.1	24.6	24.6	25.1	25.1	25.7	25.7	25.7	26.3	26.8
87.5°	12.8	12.3	11.8	11.7	12.0	12.7	12.1	11.5	11.4	11.2	11.4
90°	18.0	17.5	17.0	16.5	16.0	15.3	14.5	13.6	12.8	12.0	10.8
92.5°	35.3	35.0	34.6	34.3	33.9	33.2	32.1	31.0	29.9	28.8	27.4
95°	64.4	64.1	63.8	63.5	63.1	62.4	61.2	60.1	58.9	57.8	56.0
97.5°	97.8	97.6	97.4	97.1	96.9	96.3	95.2	94.1	93.0	91.9	89.6
100°	122.9	122.6	122.3	122.0	121.6	120.7	119.2	117.6	116.2	114.7	112.5
102.5°	148.1	147.6	147.2	146.7	146.2	145.2	143.6	142.0	140.4	138.7	137.5
105°	185.9	185.4	184.9	184.4	183.9	183.2	182.2	181.2	180.2	179.2	178.1
107.5°	224.6	224.6	224.7	224.7	224.7	224.5	224.0	223.5	223.0	222.5	221.8
110°	253.4	253.6	253.7	253.9	254.1	253.9	253.4	252.9	252.4	251.9	251.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	281.6	281.9	282.2	282.5	282.8	282.8	282.6	282.4	282.2	281.9	281.2
115°	326.1	326.3	326.5	326.6	326.8	326.9	327.1	327.3	327.4	327.6	327.3
117.5°	369.6	370.2	370.9	371.6	372.2	372.5	372.3	372.2	372.1	372.0	371.7
120°	399.6	400.2	400.9	401.6	402.2	402.5	402.5	402.5	402.5	402.5	402.4
122.5°	429.6	430.1	430.6	431.1	431.7	432.0	432.1	432.3	432.4	432.5	432.1
125°	474.5	474.7	474.8	475.0	475.2	475.4	475.7	476.2	476.5	476.8	476.7
127.5°	517.8	518.1	518.4	518.8	519.1	519.3	519.5	519.7	519.8	520.0	519.8
130°	546.5	546.8	547.1	547.5	547.9	548.1	548.3	548.5	548.6	548.8	548.5
132.5°	573.5	574.0	574.4	574.9	575.3	575.7	575.8	576.0	576.2	576.3	576.4
135°	615.5	616.1	616.8	617.4	618.1	618.4	618.4	618.4	618.4	618.4	618.3
137.5°	656.5	657.4	658.2	659.0	659.8	660.2	660.0	659.8	659.6	659.4	659.0
140°	683.0	683.8	684.6	685.5	686.3	686.5	686.2	685.9	685.5	685.2	684.7
142.5°	708.1	708.9	709.8	710.6	711.4	711.8	711.6	711.3	711.1	710.9	710.3
145°	745.9	746.4	746.9	747.4	747.9	748.2	748.2	748.2	748.2	748.2	747.7
147.5°	778.2	779.3	780.4	781.5	782.6	783.0	782.6	782.2	781.8	781.4	781.0
150°	802.1	802.4	802.8	803.1	803.4	803.7	803.7	803.7	803.7	803.7	802.9
152.5°	821.9	822.5	823.1	823.7	824.4	824.5	824.0	823.6	823.2	822.8	822.5
155°	850.1	850.9	851.8	852.6	853.4	853.5	852.8	852.2	851.5	850.9	850.7
157.5°	873.6	874.7	875.9	877.0	878.1	878.3	877.6	877.0	876.3	875.7	875.5
160°	889.9	890.7	891.5	892.3	893.2	893.2	892.6	891.9	891.3	890.6	890.4
162.5°	903.6	904.6	905.5	906.6	907.6	907.6	906.8	906.1	905.2	904.4	904.3
165°	922.1	923.1	924.1	925.1	926.0	926.2	925.6	924.9	924.2	923.6	923.4
167.5°	936.8	937.9	938.9	939.9	940.9	940.9	940.0	939.0	938.0	937.0	937.0
170°	944.6	945.7	947.0	948.1	949.3	949.4	948.4	947.4	946.3	945.3	945.3
172.5°	951.2	952.2	953.2	954.3	955.3	955.3	954.3	953.3	952.3	951.3	951.3
175°	957.4	958.5	959.7	960.8	962.0	962.1	961.1	960.1	959.1	958.1	958.1
177.5°	960.9	961.9	962.8	963.7	964.6	964.7	963.9	963.1	962.3	961.5	961.7
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1312.6	1309.7	1304.2	1299.2	1292.9	1287.5	1283.6	1279.1	1273.1	1266.1	1260.2
5°	1370.7	1359.2	1343.9	1330.9	1314.0	1301.0	1287.4	1274.2	1261.1	1244.4	1229.6
7.5°	1435.1	1411.3	1388.2	1359.0	1332.5	1308.9	1286.3	1263.3	1240.9	1217.1	1194.1
10°	1474.5	1445.7	1413.7	1377.0	1343.4	1311.4	1282.1	1253.2	1222.8	1196.1	1167.2
12.5°	1511.5	1474.2	1437.6	1391.3	1351.0	1311.9	1274.6	1238.6	1206.1	1171.3	1140.4
15°	1544.8	1508.1	1467.2	1410.6	1354.4	1307.3	1263.2	1216.6	1176.2	1137.4	1102.8
17.5°	1557.7	1519.2	1471.7	1417.2	1355.9	1296.6	1239.8	1188.6	1141.1	1095.9	1057.0
20°	1552.7	1515.4	1466.6	1414.7	1349.2	1287.4	1226.0	1169.3	1116.4	1068.6	1027.2
22.5°	1540.4	1502.0	1454.9	1400.1	1337.9	1272.2	1206.7	1146.3	1090.8	1041.4	996.2
25°	1522.3	1469.9	1421.6	1368.1	1308.8	1243.9	1176.2	1109.5	1050.4	1000.0	950.7
27.5°	1503.3	1437.8	1376.4	1323.3	1260.7	1202.6	1137.5	1069.1	1006.9	955.6	905.0
30°	1486.1	1412.7	1345.0	1284.8	1225.5	1170.4	1108.5	1041.9	978.0	925.0	873.6
32.5°	1464.7	1386.6	1312.3	1242.7	1185.6	1130.9	1075.0	1011.3	949.0	894.3	842.1
35°	1437.8	1338.2	1257.5	1183.5	1120.0	1067.1	1016.7	965.3	902.9	846.4	795.5
37.5°	1402.6	1289.5	1196.1	1115.6	1048.6	995.4	955.7	908.8	851.8	797.6	750.3
40°	1381.2	1254.3	1152.1	1072.4	1002.1	945.9	908.8	868.9	817.0	766.1	718.9
42.5°	1352.7	1222.0	1107.6	1024.5	953.8	899.8	862.1	827.4	783.9	735.9	685.4
45°	1296.8	1159.4	1039.4	950.2	878.9	825.9	790.7	759.8	726.8	682.8	638.6
47.5°	1224.0	1094.1	968.4	871.1	801.2	752.0	718.0	693.6	669.9	632.5	589.7
50°	1165.7	1040.4	917.7	823.2	748.8	702.2	670.1	650.8	629.2	595.1	559.5
52.5°	1096.9	985.0	864.7	768.3	698.0	654.3	623.6	604.2	586.4	558.7	524.7
55°	988.5	890.4	780.2	692.7	628.2	584.1	554.8	536.4	525.9	502.3	475.6
57.5°	863.3	793.0	695.9	611.5	554.5	511.0	489.5	473.8	462.0	445.2	426.5
60°	776.1	726.8	639.7	559.5	507.1	465.6	446.3	433.1	422.1	408.0	393.2
62.5°	687.5	651.7	575.9	507.1	458.8	424.1	406.0	394.2	381.4	371.9	357.6
65°	569.0	536.9	484.5	430.5	386.0	358.1	345.1	334.6	326.7	316.2	306.2
67.5°	442.5	429.6	393.3	356.2	324.2	299.4	288.1	280.7	271.4	265.0	258.2
70°	365.0	358.7	333.0	308.3	278.4	261.7	251.2	248.0	236.5	230.2	225.5
72.5°	296.2	293.3	278.4	261.4	240.2	225.6	215.9	212.4	205.0	200.0	196.9
75°	202.9	204.0	201.4	190.4	182.5	173.1	164.6	162.6	157.3	153.1	150.5
77.5°	128.4	133.7	133.9	133.4	130.3	124.5	121.0	119.5	114.3	112.7	112.1
80°	88.1	93.8	99.1	98.6	97.6	95.9	93.3	91.8	89.2	87.6	86.5
82.5°	58.8	64.1	68.5	71.3	71.1	69.6	67.8	67.1	66.4	65.3	65.1
85°	27.8	28.9	30.4	34.1	36.7	37.3	36.7	36.2	34.6	35.1	35.6
87.5°	11.6	11.3	11.5	11.3	10.6	12.4	13.4	13.5	13.0	12.4	11.8
90°	9.7	8.5	7.4	6.1	4.7	3.4	2.1	0.7	2.1	3.4	4.7
92.5°	26.0	24.5	23.0	21.9	20.9	20.0	19.1	18.2	19.1	20.0	20.9
95°	54.4	52.7	51.1	50.1	49.7	49.4	49.1	48.8	49.1	49.4	49.7
97.5°	87.4	85.0	82.7	81.5	81.4	81.2	81.1	81.0	81.1	81.2	81.4
100°	110.4	108.2	106.0	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
102.5°	136.5	135.4	134.3	133.4	132.7	132.1	131.4	130.8	131.4	132.1	132.7
105°	177.1	176.2	175.2	174.3	173.4	172.6	171.8	171.0	171.8	172.6	173.4
107.5°	221.0	220.3	219.4	218.6	217.8	217.0	216.1	215.3	216.1	217.0	217.8
110°	250.9	250.3	249.8	249.2	248.4	247.5	246.7	245.9	246.7	247.5	248.4





TEST NUMBER: P333685-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.6	279.9	279.3	278.8	278.4	277.9	277.5	277.1	277.5	277.9	278.4
115°	326.9	326.6	326.3	325.8	325.1	324.5	323.8	323.2	323.8	324.5	325.1
117.5°	371.4	371.1	370.8	370.5	370.2	369.9	369.6	369.3	369.6	369.9	370.2
120°	402.2	402.0	401.9	401.4	400.6	399.7	398.9	398.1	398.9	399.7	400.6
122.5°	431.7	431.2	430.8	430.5	430.2	429.9	429.6	429.3	429.6	429.9	430.2
125°	476.5	476.3	476.2	475.5	474.5	473.5	472.5	471.5	472.5	473.5	474.5
127.5°	519.6	519.4	519.2	518.8	518.3	517.7	517.1	516.5	517.1	517.7	518.3
130°	548.1	547.8	547.4	546.8	546.0	545.2	544.3	543.5	544.3	545.2	546.0
132.5°	576.4	576.5	576.6	575.9	574.6	573.2	571.9	570.5	571.9	573.2	574.6
135°	618.1	617.9	617.8	617.2	616.2	615.2	614.2	613.2	614.2	615.2	616.2
137.5°	658.6	658.3	657.9	657.3	656.3	655.3	654.4	653.4	654.4	655.3	656.3
140°	684.2	683.7	683.2	682.6	681.7	680.9	680.0	679.2	680.0	680.9	681.7
142.5°	709.7	709.1	708.4	707.8	707.1	706.4	705.7	705.0	705.7	706.4	707.1
145°	747.2	746.7	746.2	745.6	744.9	744.3	743.6	743.0	743.6	744.3	744.9
147.5°	780.6	780.2	779.8	779.5	779.1	778.7	778.4	778.0	778.4	778.7	779.1
150°	802.3	801.6	801.0	800.7	800.9	801.0	801.2	801.4	801.2	801.0	800.9
152.5°	822.3	822.0	821.7	821.5	821.3	821.0	820.8	820.6	820.8	821.0	821.3
155°	850.5	850.4	850.2	850.1	850.1	850.1	850.1	850.1	850.1	850.1	850.1
157.5°	875.3	875.1	874.9	875.0	875.5	875.8	876.2	876.6	876.2	875.8	875.5
160°	890.3	890.1	889.9	890.1	890.6	891.1	891.6	892.1	891.6	891.1	890.6
162.5°	904.3	904.3	904.2	904.4	904.8	905.1	905.5	905.9	905.5	905.1	904.8
165°	923.2	923.1	922.9	923.0	923.3	923.7	924.0	924.3	924.0	923.7	923.3
167.5°	937.0	937.0	937.0	937.3	938.0	938.6	939.3	940.0	939.3	938.6	938.0
170°	945.3	945.3	945.3	945.6	946.3	947.0	947.7	948.4	947.7	947.0	946.3
172.5°	951.3	951.3	951.3	951.7	952.3	953.0	953.6	954.3	953.6	953.0	952.3
175°	958.1	958.1	958.1	958.4	959.1	959.8	960.4	961.1	960.4	959.8	959.1
177.5°	961.8	961.9	962.1	962.4	962.9	963.4	964.0	964.5	964.0	963.4	962.9
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333685-840

CATALOG NUMBER: S125RDIW-S850D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1256.0	1250.1	1245.9	1237.5	1231.6	1229.1	1224.6	1223.2	1227.9	1224.6	1224.1
5°	1218.6	1203.5	1191.3	1179.3	1166.2	1157.8	1145.2	1143.2	1139.9	1135.3	1134.2
7.5°	1173.9	1154.1	1138.5	1118.6	1101.3	1087.3	1071.6	1064.2	1060.1	1054.0	1045.8
10°	1143.7	1120.0	1099.0	1079.1	1057.6	1040.4	1024.6	1012.6	1004.7	997.3	994.2
12.5°	1113.9	1089.8	1063.0	1038.8	1014.9	995.4	978.1	970.2	961.5	952.9	945.5
15°	1067.6	1035.6	1006.2	978.5	958.1	937.1	920.3	908.8	895.6	891.9	877.8
17.5°	1018.5	987.1	952.8	923.5	899.8	876.8	858.3	845.2	835.4	821.8	815.3
20°	988.0	950.7	917.2	890.4	864.1	836.9	818.0	807.0	797.6	786.6	781.3
22.5°	955.2	918.8	884.4	853.0	826.4	799.6	786.2	774.7	764.0	753.9	746.9
25°	907.2	870.5	834.2	801.7	774.0	754.6	738.8	725.7	719.9	710.0	702.7
27.5°	859.7	820.6	783.0	750.7	728.9	709.7	696.8	686.4	676.0	667.3	661.0
30°	829.0	789.2	748.3	722.6	699.5	681.2	667.0	657.0	649.1	641.3	636.6
32.5°	798.4	757.3	721.0	693.2	671.4	655.6	641.0	631.5	623.2	614.5	608.9
35°	749.3	707.4	678.0	650.8	629.2	614.6	604.6	591.0	584.1	577.8	572.1
37.5°	703.7	664.7	632.9	609.0	590.4	575.7	562.9	555.5	547.1	541.5	536.6
40°	670.1	634.5	605.6	580.5	566.8	550.6	538.6	529.1	522.8	515.4	510.2
42.5°	640.0	606.8	578.8	556.1	539.2	525.4	513.8	504.3	496.3	491.1	486.8
45°	597.2	564.2	536.9	515.9	500.3	487.2	475.0	470.4	459.9	453.6	451.5
47.5°	553.1	523.5	497.3	477.9	461.8	449.4	438.1	428.4	422.6	416.5	413.1
50°	523.3	495.0	470.4	451.5	435.8	422.1	411.6	405.4	397.5	391.7	387.5
52.5°	493.5	467.4	442.7	424.6	411.0	397.4	385.7	379.3	371.9	368.2	365.3
55°	451.0	423.1	402.2	384.4	370.2	357.6	346.6	340.3	335.6	331.9	330.8
57.5°	402.7	380.7	361.2	345.2	330.4	318.6	308.9	303.0	298.8	298.2	295.1
60°	371.2	351.3	333.5	316.2	303.6	292.6	284.2	277.4	273.2	272.7	271.7
62.5°	339.8	320.7	304.2	288.9	277.6	267.0	259.0	251.4	248.8	246.2	244.0
65°	293.2	275.8	262.2	250.1	238.0	229.1	221.3	216.5	210.8	207.6	201.9
67.5°	247.3	233.9	220.8	210.6	201.2	192.7	186.1	179.2	175.2	172.7	168.5
70°	217.1	206.6	193.5	182.5	175.1	168.3	163.1	155.2	152.6	150.5	148.3
72.5°	188.5	179.4	168.3	159.5	152.1	145.6	139.6	135.9	133.3	131.2	130.0
75°	148.3	139.5	130.1	123.7	118.6	113.3	110.1	107.4	106.4	105.9	103.8
77.5°	109.0	104.2	96.6	91.7	88.2	86.1	83.3	81.9	81.8	79.5	78.8
80°	83.4	80.8	74.4	72.4	69.8	67.7	66.0	63.4	60.8	59.8	58.2
82.5°	62.0	59.4	56.9	53.5	51.3	50.0	48.5	47.5	47.9	46.4	45.6
85°	33.0	30.4	29.4	28.9	27.8	28.9	28.3	27.8	27.3	26.8	27.3
87.5°	11.7	11.9	11.8	12.8	11.8	12.4	12.6	12.4	12.5	12.7	12.4
90°	6.1	7.4	8.5	9.7	10.8	12.0	12.8	13.6	14.5	15.3	16.0
92.5°	21.9	23.0	24.5	26.0	27.4	28.8	29.9	31.0	32.1	33.2	33.9
95°	50.1	51.1	52.7	54.4	56.0	57.8	58.9	60.1	61.2	62.4	63.1
97.5°	81.5	82.7	85.0	87.4	89.6	91.9	93.0	94.1	95.2	96.3	96.9
100°	104.9	106.0	108.2	110.4	112.5	114.7	116.2	117.6	119.2	120.7	121.6
102.5°	133.4	134.3	135.4	136.5	137.5	138.7	140.4	142.0	143.6	145.2	146.2
105°	174.3	175.2	176.2	177.1	178.1	179.2	180.2	181.2	182.2	183.2	183.9
107.5°	218.6	219.4	220.3	221.0	221.8	222.5	223.0	223.5	224.0	224.5	224.7
110°	249.2	249.8	250.3	250.9	251.4	251.9	252.4	252.9	253.4	253.9	254.1



TEST NUMBER: P333685-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	278.8	279.3	279.9	280.6	281.2	281.9	282.2	282.4	282.6	282.8	282.8
115°	325.8	326.3	326.6	326.9	327.3	327.6	327.4	327.3	327.1	326.9	326.8
117.5°	370.5	370.8	371.1	371.4	371.7	372.0	372.1	372.2	372.3	372.5	372.2
120°	401.4	401.9	402.0	402.2	402.4	402.5	402.5	402.5	402.5	402.5	402.2
122.5°	430.5	430.8	431.2	431.7	432.1	432.5	432.4	432.3	432.1	432.0	431.7
125°	475.5	476.2	476.3	476.5	476.7	476.8	476.5	476.2	475.7	475.4	475.2
127.5°	518.8	519.2	519.4	519.6	519.8	520.0	519.8	519.7	519.5	519.3	519.1
130°	546.8	547.4	547.8	548.1	548.5	548.8	548.6	548.5	548.3	548.1	547.9
132.5°	575.9	576.6	576.5	576.4	576.4	576.3	576.2	576.0	575.8	575.7	575.3
135°	617.2	617.8	617.9	618.1	618.3	618.4	618.4	618.4	618.4	618.4	618.1
137.5°	657.3	657.9	658.3	658.6	659.0	659.4	659.6	659.8	660.0	660.2	659.8
140°	682.6	683.2	683.7	684.2	684.7	685.2	685.5	685.9	686.2	686.5	686.3
142.5°	707.8	708.4	709.1	709.7	710.3	710.9	711.1	711.3	711.6	711.8	711.4
145°	745.6	746.2	746.7	747.2	747.7	748.2	748.2	748.2	748.2	748.2	747.9
147.5°	779.5	779.8	780.2	780.6	781.0	781.4	781.8	782.2	782.6	783.0	782.6
150°	800.7	801.0	801.6	802.3	802.9	803.7	803.7	803.7	803.7	803.7	803.4
152.5°	821.5	821.7	822.0	822.3	822.5	822.8	823.2	823.6	824.0	824.5	824.4
155°	850.1	850.2	850.4	850.5	850.7	850.9	851.5	852.2	852.8	853.5	853.4
157.5°	875.0	874.9	875.1	875.3	875.5	875.7	876.3	877.0	877.6	878.3	878.1
160°	890.1	889.9	890.1	890.3	890.4	890.6	891.3	891.9	892.6	893.2	893.2
162.5°	904.4	904.2	904.3	904.3	904.3	904.4	905.2	906.1	906.8	907.6	907.6
165°	923.0	922.9	923.1	923.2	923.4	923.6	924.2	924.9	925.6	926.2	926.0
167.5°	937.3	937.0	937.0	937.0	937.0	937.0	938.0	939.0	940.0	940.9	940.9
170°	945.6	945.3	945.3	945.3	945.3	945.3	946.3	947.4	948.4	949.4	949.3
172.5°	951.7	951.3	951.3	951.3	951.3	951.3	952.3	953.3	954.3	955.3	955.3
175°	958.4	958.1	958.1	958.1	958.1	958.1	959.1	960.1	961.1	962.1	962.0
177.5°	962.4	962.1	961.9	961.8	961.7	961.5	962.3	963.1	963.9	964.7	964.6
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333685-840

CATALOG NUMBER: S125RDIW-S850D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1223.7	1219.1	1217.8	1219.5	1217.8	1219.1	1223.7	1224.1	1224.6	1227.9	1223.2
5°	1128.9	1123.8	1126.3	1125.3	1126.3	1123.8	1128.9	1134.2	1135.3	1139.9	1143.2
7.5°	1045.7	1039.2	1032.3	1034.5	1032.3	1039.2	1045.7	1045.8	1054.0	1060.1	1064.2
10°	987.3	982.2	979.0	981.6	979.0	982.2	987.3	994.2	997.3	1004.7	1012.6
12.5°	938.3	935.1	932.4	931.3	932.4	935.1	938.3	945.5	952.9	961.5	970.2
15°	871.5	865.3	862.6	855.8	862.6	865.3	871.5	877.8	891.9	895.6	908.8
17.5°	809.9	807.9	801.0	798.1	801.0	807.9	809.9	815.3	821.8	835.4	845.2
20°	773.5	771.3	764.6	768.7	764.6	771.3	773.5	781.3	786.6	797.6	807.0
22.5°	743.3	738.6	736.4	735.2	736.4	738.6	743.3	746.9	753.9	764.0	774.7
25°	700.5	693.8	691.2	688.0	691.2	693.8	700.5	702.7	710.0	719.9	725.7
27.5°	658.0	654.3	650.9	650.1	650.9	654.3	658.0	661.0	667.3	676.0	686.4
30°	630.3	626.6	624.0	624.0	624.0	626.6	630.3	636.6	641.3	649.1	657.0
32.5°	605.5	602.7	600.1	599.7	600.1	602.7	605.5	608.9	614.5	623.2	631.5
35°	569.5	565.3	564.2	561.1	564.2	565.3	569.5	572.1	577.8	584.1	591.0
37.5°	532.0	528.6	528.5	528.2	528.5	528.6	532.0	536.6	541.5	547.1	555.5
40°	508.2	505.5	504.9	501.3	504.9	505.5	508.2	510.2	515.4	522.8	529.1
42.5°	482.5	481.2	479.4	477.8	479.4	481.2	482.5	486.8	491.1	496.3	504.3
45°	447.8	444.1	444.1	441.5	444.1	444.1	447.8	451.5	453.6	459.9	470.4
47.5°	411.9	409.1	409.4	406.7	409.4	409.1	411.9	413.1	416.5	422.6	428.4
50°	388.0	386.5	386.0	384.9	386.0	386.5	388.0	387.5	391.7	397.5	405.4
52.5°	364.2	363.3	365.4	363.0	365.4	363.3	364.2	365.3	368.2	371.9	379.3
55°	331.9	330.3	333.5	330.3	333.5	330.3	331.9	330.8	331.9	335.6	340.3
57.5°	294.9	293.5	296.3	294.7	296.3	293.5	294.9	295.1	298.2	298.8	303.0
60°	270.5	267.4	269.0	269.5	269.0	267.4	270.5	271.7	272.7	273.2	277.4
62.5°	241.7	239.7	240.9	238.5	240.9	239.7	241.7	244.0	246.2	248.8	251.4
65°	200.9	199.2	197.1	196.1	197.1	199.2	200.9	201.9	207.6	210.8	216.5
67.5°	168.7	165.0	164.9	165.7	164.9	165.0	168.7	168.5	172.7	175.2	179.2
70°	145.2	145.2	144.7	144.7	144.7	145.2	145.2	148.3	150.5	152.6	155.2
72.5°	128.9	128.5	127.5	127.1	127.5	128.5	128.9	130.0	131.2	133.3	135.9
75°	103.8	104.3	103.3	102.8	103.3	104.3	103.8	103.8	105.9	106.4	107.4
77.5°	76.6	74.4	75.6	74.4	75.6	74.4	76.6	78.8	79.5	81.8	81.9
80°	58.2	57.7	59.3	57.7	59.3	57.7	58.2	58.2	59.8	60.8	63.4
82.5°	46.0	45.5	46.3	45.1	46.3	45.5	46.0	45.6	46.4	47.9	47.5
85°	27.8	27.3	26.8	27.3	26.8	27.3	27.8	27.3	26.8	27.3	27.8
87.5°	12.9	12.6	12.7	12.8	12.7	12.6	12.9	12.4	12.7	12.5	12.4
90°	16.5	17.0	17.5	18.0	17.5	17.0	16.5	16.0	15.3	14.5	13.6
92.5°	34.3	34.6	35.0	35.3	35.0	34.6	34.3	33.9	33.2	32.1	31.0
95°	63.5	63.8	64.1	64.4	64.1	63.8	63.5	63.1	62.4	61.2	60.1
97.5°	97.1	97.4	97.6	97.8	97.6	97.4	97.1	96.9	96.3	95.2	94.1
100°	122.0	122.3	122.6	122.9	122.6	122.3	122.0	121.6	120.7	119.2	117.6
102.5°	146.7	147.2	147.6	148.1	147.6	147.2	146.7	146.2	145.2	143.6	142.0
105°	184.4	184.9	185.4	185.9	185.4	184.9	184.4	183.9	183.2	182.2	181.2
107.5°	224.7	224.7	224.6	224.6	224.6	224.7	224.7	224.7	224.5	224.0	223.5
110°	253.9	253.7	253.6	253.4	253.6	253.7	253.9	254.1	253.9	253.4	252.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	282.5	282.2	281.9	281.6	281.9	282.2	282.5	282.8	282.8	282.6	282.4
115°	326.6	326.5	326.3	326.1	326.3	326.5	326.6	326.8	326.9	327.1	327.3
117.5°	371.6	370.9	370.2	369.6	370.2	370.9	371.6	372.2	372.5	372.3	372.2
120°	401.6	400.9	400.2	399.6	400.2	400.9	401.6	402.2	402.5	402.5	402.5
122.5°	431.1	430.6	430.1	429.6	430.1	430.6	431.1	431.7	432.0	432.1	432.3
125°	475.0	474.8	474.7	474.5	474.7	474.8	475.0	475.2	475.4	475.7	476.2
127.5°	518.8	518.4	518.1	517.8	518.1	518.4	518.8	519.1	519.3	519.5	519.7
130°	547.5	547.1	546.8	546.5	546.8	547.1	547.5	547.9	548.1	548.3	548.5
132.5°	574.9	574.4	574.0	573.5	574.0	574.4	574.9	575.3	575.7	575.8	576.0
135°	617.4	616.8	616.1	615.5	616.1	616.8	617.4	618.1	618.4	618.4	618.4
137.5°	659.0	658.2	657.4	656.5	657.4	658.2	659.0	659.8	660.2	660.0	659.8
140°	685.5	684.6	683.8	683.0	683.8	684.6	685.5	686.3	686.5	686.2	685.9
142.5°	710.6	709.8	708.9	708.1	708.9	709.8	710.6	711.4	711.8	711.6	711.3
145°	747.4	746.9	746.4	745.9	746.4	746.9	747.4	747.9	748.2	748.2	748.2
147.5°	781.5	780.4	779.3	778.2	779.3	780.4	781.5	782.6	783.0	782.6	782.2
150°	803.1	802.8	802.4	802.1	802.4	802.8	803.1	803.4	803.7	803.7	803.7
152.5°	823.7	823.1	822.5	821.9	822.5	823.1	823.7	824.4	824.5	824.0	823.6
155°	852.6	851.8	850.9	850.1	850.9	851.8	852.6	853.4	853.5	852.8	852.2
157.5°	877.0	875.9	874.7	873.6	874.7	875.9	877.0	878.1	878.3	877.6	877.0
160°	892.3	891.5	890.7	889.9	890.7	891.5	892.3	893.2	893.2	892.6	891.9
162.5°	906.6	905.5	904.6	903.6	904.6	905.5	906.6	907.6	907.6	906.8	906.1
165°	925.1	924.1	923.1	922.1	923.1	924.1	925.1	926.0	926.2	925.6	924.9
167.5°	939.9	938.9	937.9	936.8	937.9	938.9	939.9	940.9	940.9	940.0	939.0
170°	948.1	947.0	945.7	944.6	945.7	947.0	948.1	949.3	949.4	948.4	947.4
172.5°	954.3	953.2	952.2	951.2	952.2	953.2	954.3	955.3	955.3	954.3	953.3
175°	960.8	959.7	958.5	957.4	958.5	959.7	960.8	962.0	962.1	961.1	960.1
177.5°	963.7	962.8	961.9	960.9	961.9	962.8	963.7	964.6	964.7	963.9	963.1
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333685-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1224.6	1229.1	1231.6	1237.5	1245.9	1250.1	1256.0	1260.2	1266.1	1273.1	1279.1
5°	1145.2	1157.8	1166.2	1179.3	1191.3	1203.5	1218.6	1229.6	1244.4	1261.1	1274.2
7.5°	1071.6	1087.3	1101.3	1118.6	1138.5	1154.1	1173.9	1194.1	1217.1	1240.9	1263.3
10°	1024.6	1040.4	1057.6	1079.1	1099.0	1120.0	1143.7	1167.2	1196.1	1222.8	1253.2
12.5°	978.1	995.4	1014.9	1038.8	1063.0	1089.8	1113.9	1140.4	1171.3	1206.1	1238.6
15°	920.3	937.1	958.1	978.5	1006.2	1035.6	1067.6	1102.8	1137.4	1176.2	1216.6
17.5°	858.3	876.8	899.8	923.5	952.8	987.1	1018.5	1057.0	1095.9	1141.1	1188.6
20°	818.0	836.9	864.1	890.4	917.2	950.7	988.0	1027.2	1068.6	1116.4	1169.3
22.5°	786.2	799.6	826.4	853.0	884.4	918.8	955.2	996.2	1041.4	1090.8	1146.3
25°	738.8	754.6	774.0	801.7	834.2	870.5	907.2	950.7	1000.0	1050.4	1109.5
27.5°	696.8	709.7	728.9	750.7	783.0	820.6	859.7	905.0	955.6	1006.9	1069.1
30°	667.0	681.2	699.5	722.6	748.3	789.2	829.0	873.6	925.0	978.0	1041.9
32.5°	641.0	655.6	671.4	693.2	721.0	757.3	798.4	842.1	894.3	949.0	1011.3
35°	604.6	614.6	629.2	650.8	678.0	707.4	749.3	795.5	846.4	902.9	965.3
37.5°	562.9	575.7	590.4	609.0	632.9	664.7	703.7	750.3	797.6	851.8	908.8
40°	538.6	550.6	566.8	580.5	605.6	634.5	670.1	718.9	766.1	817.0	868.9
42.5°	513.8	525.4	539.2	556.1	578.8	606.8	640.0	685.4	735.9	783.9	827.4
45°	475.0	487.2	500.3	515.9	536.9	564.2	597.2	638.6	682.8	726.8	759.8
47.5°	438.1	449.4	461.8	477.9	497.3	523.5	553.1	589.7	632.5	669.9	693.6
50°	411.6	422.1	435.8	451.5	470.4	495.0	523.3	559.5	595.1	629.2	650.8
52.5°	385.7	397.4	411.0	424.6	442.7	467.4	493.5	524.7	558.7	586.4	604.2
55°	346.6	357.6	370.2	384.4	402.2	423.1	451.0	475.6	502.3	525.9	536.4
57.5°	308.9	318.6	330.4	345.2	361.2	380.7	402.7	426.5	445.2	462.0	473.8
60°	284.2	292.6	303.6	316.2	333.5	351.3	371.2	393.2	408.0	422.1	433.1
62.5°	259.0	267.0	277.6	288.9	304.2	320.7	339.8	357.6	371.9	381.4	394.2
65°	221.3	229.1	238.0	250.1	262.2	275.8	293.2	306.2	316.2	326.7	334.6
67.5°	186.1	192.7	201.2	210.6	220.8	233.9	247.3	258.2	265.0	271.4	280.7
70°	163.1	168.3	175.1	182.5	193.5	206.6	217.1	225.5	230.2	236.5	248.0
72.5°	139.6	145.6	152.1	159.5	168.3	179.4	188.5	196.9	200.0	205.0	212.4
75°	110.1	113.3	118.6	123.7	130.1	139.5	148.3	150.5	153.1	157.3	162.6
77.5°	83.3	86.1	88.2	91.7	96.6	104.2	109.0	112.1	112.7	114.3	119.5
80°	66.0	67.7	69.8	72.4	74.4	80.8	83.4	86.5	87.6	89.2	91.8
82.5°	48.5	50.0	51.3	53.5	56.9	59.4	62.0	65.1	65.3	66.4	67.1
85°	28.3	28.9	27.8	28.9	29.4	30.4	33.0	35.6	35.1	34.6	36.2
87.5°	12.6	12.4	11.8	12.8	11.8	11.9	11.7	11.8	12.4	13.0	13.5
90°	12.8	12.0	10.8	9.7	8.5	7.4	6.1	4.7	3.4	2.1	0.7
92.5°	29.9	28.8	27.4	26.0	24.5	23.0	21.9	20.9	20.0	19.1	18.2
95°	58.9	57.8	56.0	54.4	52.7	51.1	50.1	49.7	49.4	49.1	48.8
97.5°	93.0	91.9	89.6	87.4	85.0	82.7	81.5	81.4	81.2	81.1	81.0
100°	116.2	114.7	112.5	110.4	108.2	106.0	104.9	104.9	104.9	104.9	104.9
102.5°	140.4	138.7	137.5	136.5	135.4	134.3	133.4	132.7	132.1	131.4	130.8
105°	180.2	179.2	178.1	177.1	176.2	175.2	174.3	173.4	172.6	171.8	171.0
107.5°	223.0	222.5	221.8	221.0	220.3	219.4	218.6	217.8	217.0	216.1	215.3
110°	252.4	251.9	251.4	250.9	250.3	249.8	249.2	248.4	247.5	246.7	245.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	282.2	281.9	281.2	280.6	279.9	279.3	278.8	278.4	277.9	277.5	277.1
115°	327.4	327.6	327.3	326.9	326.6	326.3	325.8	325.1	324.5	323.8	323.2
117.5°	372.1	372.0	371.7	371.4	371.1	370.8	370.5	370.2	369.9	369.6	369.3
120°	402.5	402.5	402.4	402.2	402.0	401.9	401.4	400.6	399.7	398.9	398.1
122.5°	432.4	432.5	432.1	431.7	431.2	430.8	430.5	430.2	429.9	429.6	429.3
125°	476.5	476.8	476.7	476.5	476.3	476.2	475.5	474.5	473.5	472.5	471.5
127.5°	519.8	520.0	519.8	519.6	519.4	519.2	518.8	518.3	517.7	517.1	516.5
130°	548.6	548.8	548.5	548.1	547.8	547.4	546.8	546.0	545.2	544.3	543.5
132.5°	576.2	576.3	576.4	576.4	576.5	576.6	575.9	574.6	573.2	571.9	570.5
135°	618.4	618.4	618.3	618.1	617.9	617.8	617.2	616.2	615.2	614.2	613.2
137.5°	659.6	659.4	659.0	658.6	658.3	657.9	657.3	656.3	655.3	654.4	653.4
140°	685.5	685.2	684.7	684.2	683.7	683.2	682.6	681.7	680.9	680.0	679.2
142.5°	711.1	710.9	710.3	709.7	709.1	708.4	707.8	707.1	706.4	705.7	705.0
145°	748.2	748.2	747.7	747.2	746.7	746.2	745.6	744.9	744.3	743.6	743.0
147.5°	781.8	781.4	781.0	780.6	780.2	779.8	779.5	779.1	778.7	778.4	778.0
150°	803.7	803.7	802.9	802.3	801.6	801.0	800.7	800.9	801.0	801.2	801.4
152.5°	823.2	822.8	822.5	822.3	822.0	821.7	821.5	821.3	821.0	820.8	820.6
155°	851.5	850.9	850.7	850.5	850.4	850.2	850.1	850.1	850.1	850.1	850.1
157.5°	876.3	875.7	875.5	875.3	875.1	874.9	875.0	875.5	875.8	876.2	876.6
160°	891.3	890.6	890.4	890.3	890.1	889.9	890.1	890.6	891.1	891.6	892.1
162.5°	905.2	904.4	904.3	904.3	904.3	904.2	904.4	904.8	905.1	905.5	905.9
165°	924.2	923.6	923.4	923.2	923.1	922.9	923.0	923.3	923.7	924.0	924.3
167.5°	938.0	937.0	937.0	937.0	937.0	937.0	937.3	938.0	938.6	939.3	940.0
170°	946.3	945.3	945.3	945.3	945.3	945.3	945.6	946.3	947.0	947.7	948.4
172.5°	952.3	951.3	951.3	951.3	951.3	951.3	951.7	952.3	953.0	953.6	954.3
175°	959.1	958.1	958.1	958.1	958.1	958.1	958.4	959.1	959.8	960.4	961.1
177.5°	962.3	961.5	961.7	961.8	961.9	962.1	962.4	962.9	963.4	964.0	964.5
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333685-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1283.6	1287.5	1292.9	1299.2	1304.2	1309.7	1312.6	1312.6	1315.1	1320.6	1327.7
5°	1287.4	1301.0	1314.0	1330.9	1343.9	1359.2	1370.7	1381.7	1391.7	1404.2	1417.3
7.5°	1286.3	1308.9	1332.5	1359.0	1388.2	1411.3	1435.1	1453.8	1472.2	1496.3	1515.3
10°	1282.1	1311.4	1343.4	1377.0	1413.7	1445.7	1474.5	1500.8	1525.9	1552.2	1575.7
12.5°	1274.6	1311.9	1351.0	1391.3	1437.6	1474.2	1511.5	1539.3	1568.7	1597.4	1626.5
15°	1263.2	1307.3	1354.4	1410.6	1467.2	1508.1	1544.8	1580.9	1608.2	1640.7	1668.6
17.5°	1239.8	1296.6	1355.9	1417.2	1471.7	1519.2	1557.7	1592.1	1621.1	1656.9	1694.7
20°	1226.0	1287.4	1349.2	1414.7	1466.6	1515.4	1552.7	1588.3	1624.5	1671.1	1717.3
22.5°	1206.7	1272.2	1337.9	1400.1	1454.9	1502.0	1540.4	1584.2	1631.6	1684.6	1740.4
25°	1176.2	1243.9	1308.8	1368.1	1421.6	1469.9	1522.3	1580.9	1638.7	1708.4	1788.7
27.5°	1137.5	1202.6	1260.7	1323.3	1376.4	1437.8	1503.3	1566.9	1650.1	1746.1	1846.2
30°	1108.5	1170.4	1225.5	1284.8	1345.0	1412.7	1486.1	1561.0	1660.1	1772.9	1892.0
32.5°	1075.0	1130.9	1185.6	1242.7	1312.3	1386.6	1464.7	1556.4	1674.9	1803.1	1926.3
35°	1016.7	1067.1	1120.0	1183.5	1257.5	1338.2	1437.8	1549.5	1692.6	1830.6	1941.3
37.5°	955.7	995.4	1048.6	1115.6	1196.1	1289.5	1402.6	1538.3	1685.4	1809.1	1856.1
40°	908.8	945.9	1002.1	1072.4	1152.1	1254.3	1381.2	1520.7	1668.6	1754.5	1750.9
42.5°	862.1	899.8	953.8	1024.5	1107.6	1222.0	1352.7	1497.6	1622.4	1655.2	1586.9
45°	790.7	825.9	878.9	950.2	1039.4	1159.4	1296.8	1435.7	1515.4	1462.5	1327.2
47.5°	718.0	752.0	801.2	871.1	968.4	1094.1	1224.0	1338.0	1349.2	1235.5	1073.2
50°	670.1	702.2	748.8	823.2	917.7	1040.4	1165.7	1255.4	1227.6	1088.6	921.3
52.5°	623.6	654.3	698.0	768.3	864.7	985.0	1096.9	1167.2	1103.0	955.2	804.7
55°	554.8	584.1	628.2	692.7	780.2	890.4	988.5	1014.1	919.8	770.8	649.1
57.5°	489.5	511.0	554.5	611.5	695.9	793.0	863.3	858.7	754.6	620.5	533.2
60°	446.3	465.6	507.1	559.5	639.7	726.8	776.1	755.1	649.6	539.1	455.1
62.5°	406.0	424.1	458.8	507.1	575.9	651.7	687.5	658.6	559.1	461.9	395.2
65°	345.1	358.1	386.0	430.5	484.5	536.9	569.0	526.4	438.4	365.0	314.6
67.5°	288.1	299.4	324.2	356.2	393.3	429.6	442.5	402.7	334.3	284.8	249.3
70°	251.2	261.7	278.4	308.3	333.0	358.7	365.0	329.3	272.2	234.4	212.4
72.5°	215.9	225.6	240.2	261.4	278.4	293.3	296.2	263.1	219.2	193.3	176.3
75°	164.6	173.1	182.5	190.4	201.4	204.0	202.9	177.2	153.6	136.3	126.9
77.5°	121.0	124.5	130.3	133.4	133.9	133.7	128.4	112.1	100.0	92.8	89.0
80°	93.3	95.9	97.6	98.6	99.1	93.8	88.1	78.2	73.9	69.8	65.0
82.5°	67.8	69.6	71.1	71.3	68.5	64.1	58.8	53.8	50.9	48.8	47.0
85°	36.7	37.3	36.7	34.1	30.4	28.9	27.8	26.8	26.3	25.7	25.7
87.5°	13.4	12.4	10.6	11.3	11.5	11.3	11.6	11.4	11.2	11.4	11.5
90°	2.1	3.4	4.7	6.1	7.4	8.5	9.7	10.8	12.0	12.8	13.6
92.5°	19.1	20.0	20.9	21.9	23.0	24.5	26.0	27.4	28.8	29.9	31.0
95°	49.1	49.4	49.7	50.1	51.1	52.7	54.4	56.0	57.8	58.9	60.1
97.5°	81.1	81.2	81.4	81.5	82.7	85.0	87.4	89.6	91.9	93.0	94.1
100°	104.9	104.9	104.9	104.9	106.0	108.2	110.4	112.5	114.7	116.2	117.6
102.5°	131.4	132.1	132.7	133.4	134.3	135.4	136.5	137.5	138.7	140.4	142.0
105°	171.8	172.6	173.4	174.3	175.2	176.2	177.1	178.1	179.2	180.2	181.2
107.5°	216.1	217.0	217.8	218.6	219.4	220.3	221.0	221.8	222.5	223.0	223.5
110°	246.7	247.5	248.4	249.2	249.8	250.3	250.9	251.4	251.9	252.4	252.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	277.5	277.9	278.4	278.8	279.3	279.9	280.6	281.2	281.9	282.2	282.4
115°	323.8	324.5	325.1	325.8	326.3	326.6	326.9	327.3	327.6	327.4	327.3
117.5°	369.6	369.9	370.2	370.5	370.8	371.1	371.4	371.7	372.0	372.1	372.2
120°	398.9	399.7	400.6	401.4	401.9	402.0	402.2	402.4	402.5	402.5	402.5
122.5°	429.6	429.9	430.2	430.5	430.8	431.2	431.7	432.1	432.5	432.4	432.3
125°	472.5	473.5	474.5	475.5	476.2	476.3	476.5	476.7	476.8	476.5	476.2
127.5°	517.1	517.7	518.3	518.8	519.2	519.4	519.6	519.8	520.0	519.8	519.7
130°	544.3	545.2	546.0	546.8	547.4	547.8	548.1	548.5	548.8	548.6	548.5
132.5°	571.9	573.2	574.6	575.9	576.6	576.5	576.4	576.4	576.3	576.2	576.0
135°	614.2	615.2	616.2	617.2	617.8	617.9	618.1	618.3	618.4	618.4	618.4
137.5°	654.4	655.3	656.3	657.3	657.9	658.3	658.6	659.0	659.4	659.6	659.8
140°	680.0	680.9	681.7	682.6	683.2	683.7	684.2	684.7	685.2	685.5	685.9
142.5°	705.7	706.4	707.1	707.8	708.4	709.1	709.7	710.3	710.9	711.1	711.3
145°	743.6	744.3	744.9	745.6	746.2	746.7	747.2	747.7	748.2	748.2	748.2
147.5°	778.4	778.7	779.1	779.5	779.8	780.2	780.6	781.0	781.4	781.8	782.2
150°	801.2	801.0	800.9	800.7	801.0	801.6	802.3	802.9	803.7	803.7	803.7
152.5°	820.8	821.0	821.3	821.5	821.7	822.0	822.3	822.5	822.8	823.2	823.6
155°	850.1	850.1	850.1	850.1	850.2	850.4	850.5	850.7	850.9	851.5	852.2
157.5°	876.2	875.8	875.5	875.0	874.9	875.1	875.3	875.5	875.7	876.3	877.0
160°	891.6	891.1	890.6	890.1	889.9	890.1	890.3	890.4	890.6	891.3	891.9
162.5°	905.5	905.1	904.8	904.4	904.2	904.3	904.3	904.3	904.4	905.2	906.1
165°	924.0	923.7	923.3	923.0	922.9	923.1	923.2	923.4	923.6	924.2	924.9
167.5°	939.3	938.6	938.0	937.3	937.0	937.0	937.0	937.0	937.0	938.0	939.0
170°	947.7	947.0	946.3	945.6	945.3	945.3	945.3	945.3	945.3	946.3	947.4
172.5°	953.6	953.0	952.3	951.7	951.3	951.3	951.3	951.3	951.3	952.3	953.3
175°	960.4	959.8	959.1	958.4	958.1	958.1	958.1	958.1	958.1	959.1	960.1
177.5°	964.0	963.4	962.9	962.4	962.1	961.9	961.8	961.7	961.5	962.3	963.1
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1333.1	1333.1	1340.3	1339.9	1344.5	1342.8	1343.6
5°	1433.1	1442.0	1449.9	1455.1	1463.0	1465.1	1464.0
7.5°	1536.7	1556.5	1566.2	1579.4	1581.9	1588.7	1588.0
10°	1600.9	1620.3	1635.0	1646.5	1652.3	1659.6	1660.1
12.5°	1651.2	1667.7	1680.7	1691.4	1698.4	1700.7	1702.1
15°	1690.6	1708.9	1724.1	1739.3	1748.3	1755.0	1758.8
17.5°	1730.2	1758.6	1785.3	1806.0	1818.5	1828.9	1828.8
20°	1760.8	1793.3	1826.9	1850.5	1874.6	1885.1	1886.7
22.5°	1793.5	1843.3	1886.5	1923.1	1954.8	1965.7	1969.7
25°	1861.5	1926.5	1993.2	2044.6	2081.2	2102.7	2105.9
27.5°	1943.6	2031.6	2101.7	2149.1	2179.6	2195.5	2199.0
30°	2001.6	2082.8	2145.8	2181.4	2195.5	2197.7	2189.8
32.5°	2027.5	2088.3	2113.4	2111.3	2083.6	2065.1	2058.0
35°	1995.8	1983.2	1921.8	1848.5	1792.3	1756.7	1747.2
37.5°	1816.2	1707.7	1594.8	1483.9	1424.8	1394.8	1343.2
40°	1639.2	1484.5	1367.1	1273.7	1207.1	1153.6	1141.0
42.5°	1439.5	1279.8	1162.4	1082.4	1029.3	992.5	976.5
45°	1156.8	1019.4	922.4	861.0	820.1	793.3	781.3
47.5°	925.2	818.9	748.2	702.8	671.7	648.3	641.9
50°	798.1	713.2	653.4	615.1	591.5	573.7	566.3
52.5°	693.2	624.6	578.7	547.1	524.8	513.7	507.6
55°	572.1	512.8	479.8	454.6	442.0	433.1	428.9
57.5°	467.9	425.1	400.9	383.5	371.9	366.2	364.2
60°	409.5	376.0	354.0	340.3	332.4	325.1	323.1
62.5°	357.9	331.5	314.5	302.6	294.7	291.5	290.3
65°	288.4	271.1	258.5	251.2	244.9	243.9	243.3
67.5°	229.2	219.0	212.5	204.8	202.6	198.9	198.2
70°	196.1	189.2	181.5	178.8	176.2	172.5	173.1
72.5°	166.3	159.6	154.2	150.7	149.8	148.1	149.6
75°	121.7	119.6	117.4	114.8	113.8	113.8	113.3
77.5°	86.8	85.0	82.7	81.2	80.9	78.7	79.5
80°	62.9	60.3	59.3	59.8	58.2	57.7	57.7
82.5°	46.6	45.6	44.5	44.6	44.3	43.8	44.2
85°	25.7	25.1	25.1	24.6	24.6	24.1	24.1
87.5°	12.1	12.7	12.0	11.7	11.8	12.3	12.8
90°	14.5	15.3	16.0	16.5	17.0	17.5	18.0
92.5°	32.1	33.2	33.9	34.3	34.6	35.0	35.3
95°	61.2	62.4	63.1	63.5	63.8	64.1	64.4
97.5°	95.2	96.3	96.9	97.1	97.4	97.6	97.8
100°	119.2	120.7	121.6	122.0	122.3	122.6	122.9
102.5°	143.6	145.2	146.2	146.7	147.2	147.6	148.1
105°	182.2	183.2	183.9	184.4	184.9	185.4	185.9
107.5°	224.0	224.5	224.7	224.7	224.7	224.6	224.6
110°	253.4	253.9	254.1	253.9	253.7	253.6	253.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	282.6	282.8	282.8	282.5	282.2	281.9	281.6
115°	327.1	326.9	326.8	326.6	326.5	326.3	326.1
117.5°	372.3	372.5	372.2	371.6	370.9	370.2	369.6
120°	402.5	402.5	402.2	401.6	400.9	400.2	399.6
122.5°	432.1	432.0	431.7	431.1	430.6	430.1	429.6
125°	475.7	475.4	475.2	475.0	474.8	474.7	474.5
127.5°	519.5	519.3	519.1	518.8	518.4	518.1	517.8
130°	548.3	548.1	547.9	547.5	547.1	546.8	546.5
132.5°	575.8	575.7	575.3	574.9	574.4	574.0	573.5
135°	618.4	618.4	618.1	617.4	616.8	616.1	615.5
137.5°	660.0	660.2	659.8	659.0	658.2	657.4	656.5
140°	686.2	686.5	686.3	685.5	684.6	683.8	683.0
142.5°	711.6	711.8	711.4	710.6	709.8	708.9	708.1
145°	748.2	748.2	747.9	747.4	746.9	746.4	745.9
147.5°	782.6	783.0	782.6	781.5	780.4	779.3	778.2
150°	803.7	803.7	803.4	803.1	802.8	802.4	802.1
152.5°	824.0	824.5	824.4	823.7	823.1	822.5	821.9
155°	852.8	853.5	853.4	852.6	851.8	850.9	850.1
157.5°	877.6	878.3	878.1	877.0	875.9	874.7	873.6
160°	892.6	893.2	893.2	892.3	891.5	890.7	889.9
162.5°	906.8	907.6	907.6	906.6	905.5	904.6	903.6
165°	925.6	926.2	926.0	925.1	924.1	923.1	922.1
167.5°	940.0	940.9	940.9	939.9	938.9	937.9	936.8
170°	948.4	949.4	949.3	948.1	947.0	945.7	944.6
172.5°	954.3	955.3	955.3	954.3	953.2	952.2	951.2
175°	961.1	962.1	962.0	960.8	959.7	958.5	957.4
177.5°	963.9	964.7	964.6	963.7	962.8	961.9	960.9
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3

(END OF REPORT)