

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333407-840

Luminaire Tested: **S125DIW-S850D770U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333407-840  
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: S125DIW-S850D770U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6176.3 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

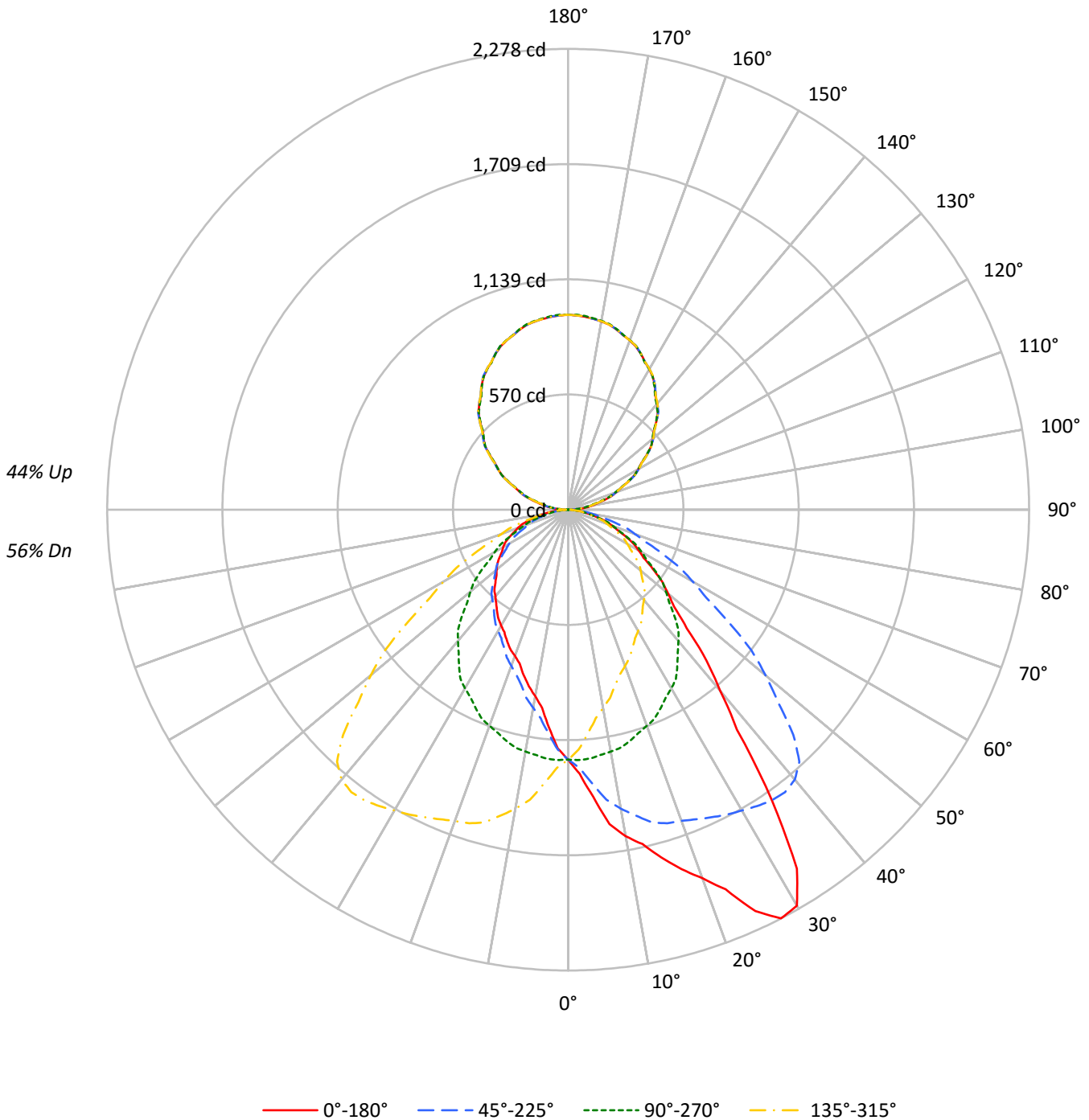
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	100	95	91	88	92	89	85	82	77	74	72	66	64	62	55	54	53	48
2	91	83	77	72	84	78	73	68	67	63	60	58	55	52	49	47	45	41
3	83	74	66	60	77	69	62	57	60	55	51	51	48	44	44	41	38	35
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30
5	70	58	50	44	65	55	47	42	48	42	38	41	37	33	35	32	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	33	29	32	28	26	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20
8	55	43	35	30	51	40	33	28	36	30	26	31	26	23	27	23	20	18
9	51	39	32	27	48	37	30	25	33	27	23	29	24	21	25	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

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

	0°	90°	180°	270°
0°	7979	7979	7979	7979
5°	9240	8006	7010	8006
10°	10750	7965	6142	7965
15°	11900	7906	5666	7906
20°	13320	7813	5283	7813
25°	15605	7709	5097	7709
30°	16855	7607	4935	7607
35°	13858	7413	4829	7413
40°	9850	7144	4713	7144
45°	7567	6783	4646	6783
50°	6459	6333	4636	6333
55°	5751	5892	4677	5892
60°	5187	5412	4795	5412
65°	4792	4927	4919	4927
70°	4358	4426	4991	4426
75°	3848	3898	4946	3898
80°	3239	3176	4526	3176
85°	2564	2290	3653	2290



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	1.9
10°-20°	354.1	5.7
20°-30°	575.0	9.3
30°-40°	701.4	11.4
40°-50°	638.1	10.3
50°-60°	508.2	8.2
60°-70°	354.0	5.7
70°-80°	188.8	3.1
80°-90°	49.7	0.8
90°-100°	64.5	1.0
100°-110°	190.5	3.1
110°-120°	322.7	5.2
120°-130°	424.7	6.9
130°-140°	475.9	7.7
140°-150°	466.4	7.6
150°-160°	391.7	6.3
160°-170°	260.4	4.2
170°-180°	91.1	1.5
0°-30°	1048.1	17.0
0°-40°	1749.5	28.3
0°-60°	2895.8	46.9
0°-90°	3488.3	56.5
90°-120°	577.8	9.4
90°-150°	1944.8	31.5
90°-180°	2688.0	43.5
0°-180°	6176.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1425	1235	1081	1235	1425	144
15°	1780	1182	847	1182	1780	509
25°	2190	1082	715	1082	2190	1000
35°	1758	940	612	940	1758	1076
45°	828	743	509	743	828	663
55°	511	523	415	523	511	460
65°	314	322	322	322	314	311
75°	154	156	198	156	154	166
85°	35	31	49	31	35	40
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°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1306.8	1305.0	1303.4	1300.0	1302.5	1295.5	1292.0	1286.2	1279.1	1276.6	1273.6
5°	1425.2	1427.8	1430.5	1419.5	1420.6	1413.2	1396.4	1382.8	1371.8	1357.7	1347.7
7.5°	1567.9	1561.7	1561.2	1554.1	1541.8	1532.0	1514.3	1491.9	1470.2	1445.4	1424.9
10°	1639.2	1639.7	1635.0	1626.6	1613.6	1604.1	1581.0	1558.9	1532.3	1500.8	1478.2
12.5°	1692.9	1695.1	1689.1	1677.8	1671.4	1650.2	1632.1	1606.0	1574.2	1549.0	1514.7
15°	1779.8	1773.9	1769.8	1755.7	1744.6	1722.6	1693.7	1666.5	1631.8	1599.8	1567.9
17.5°	1863.4	1868.0	1860.2	1847.2	1813.1	1787.4	1748.7	1711.3	1668.3	1625.4	1587.2
20°	1938.1	1942.3	1930.3	1907.7	1866.8	1841.1	1790.2	1742.0	1692.1	1637.1	1595.2
22.5°	2031.2	2027.9	2011.7	1977.3	1941.9	1894.4	1839.3	1780.6	1718.2	1656.0	1600.2
25°	2189.8	2167.8	2157.8	2115.4	2068.7	1998.9	1923.4	1837.4	1759.8	1677.5	1606.2
27.5°	2277.6	2270.8	2259.7	2230.1	2181.0	2106.5	2017.4	1912.6	1803.1	1699.2	1605.9
30°	2260.1	2261.1	2262.2	2252.7	2221.3	2165.2	2076.6	1963.8	1833.7	1716.8	1608.8
32.5°	2104.1	2123.1	2141.3	2162.9	2171.7	2161.0	2105.5	2003.7	1869.9	1737.0	1607.1
35°	1757.7	1763.5	1822.7	1881.5	1961.2	2023.1	2064.5	2019.4	1906.6	1754.0	1605.1
37.5°	1370.5	1398.9	1439.9	1506.2	1621.2	1724.2	1856.7	1917.6	1881.3	1759.6	1601.4
40°	1168.3	1194.6	1221.2	1288.9	1385.9	1510.8	1661.2	1789.7	1819.6	1742.0	1588.8
42.5°	1012.3	1033.0	1062.7	1113.6	1194.7	1305.1	1449.0	1616.9	1720.2	1690.8	1562.5
45°	828.5	841.6	864.7	905.0	963.8	1050.4	1177.2	1360.8	1520.7	1573.7	1499.8
47.5°	709.1	709.0	727.0	754.9	797.3	870.8	964.6	1108.4	1279.3	1405.6	1399.8
50°	642.9	640.3	654.4	678.5	712.1	760.8	850.5	965.3	1129.5	1272.6	1312.5
52.5°	585.8	586.1	594.8	612.7	640.8	682.5	749.4	852.9	993.2	1140.1	1215.2
55°	510.8	508.7	518.6	530.7	551.1	578.3	626.6	705.8	819.6	964.3	1061.9
57.5°	441.9	447.7	451.7	460.1	477.1	495.3	536.0	594.1	684.4	808.6	911.7
60°	401.6	407.5	410.6	419.0	432.6	448.4	479.8	527.0	603.0	710.0	812.2
62.5°	365.6	370.1	371.1	378.7	389.8	405.2	429.9	469.5	529.6	623.2	723.4
65°	313.6	313.6	315.7	323.6	328.8	342.4	361.3	390.1	438.4	511.3	596.7
67.5°	263.5	266.0	265.4	268.9	273.8	284.3	297.8	321.6	357.4	410.6	479.0
70°	230.8	232.8	232.3	234.9	240.1	247.0	258.0	280.5	306.2	351.8	410.6
72.5°	201.4	202.2	200.9	204.3	207.4	213.4	225.7	237.7	261.8	300.2	348.5
75°	154.2	155.2	156.2	158.3	161.5	164.6	171.0	183.0	198.7	227.6	258.5
77.5°	115.5	113.6	116.1	115.8	117.5	120.0	125.5	131.9	144.8	163.1	187.0
80°	87.1	87.6	87.6	88.1	90.7	92.3	97.0	101.7	111.7	125.3	142.1
82.5°	63.5	64.9	64.1	65.0	67.3	68.4	71.0	74.8	80.7	91.4	103.5
85°	34.6	32.0	33.0	34.1	34.1	34.6	36.7	38.3	41.4	45.6	50.3
87.5°	13.6	14.4	14.7	14.6	14.9	14.8	16.4	16.2	17.3	18.4	19.8
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°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1271.1	1268.2	1264.8	1258.9	1251.8	1248.0	1242.1	1238.4	1230.8	1224.6	1217.8
5°	1335.5	1321.9	1309.4	1293.1	1275.3	1263.7	1250.1	1234.9	1219.2	1203.0	1185.1
7.5°	1402.4	1378.3	1352.0	1323.8	1296.3	1270.9	1246.7	1222.8	1200.6	1173.8	1151.0
10°	1447.2	1416.8	1384.3	1346.0	1308.9	1276.4	1243.3	1214.5	1185.1	1153.7	1125.8
12.5°	1492.2	1451.7	1405.7	1363.7	1318.9	1279.7	1240.8	1204.0	1167.1	1132.3	1099.8
15°	1523.9	1488.1	1445.7	1385.9	1335.5	1281.6	1230.2	1182.5	1137.9	1099.1	1058.2
17.5°	1544.7	1498.7	1453.2	1395.8	1329.8	1269.4	1211.2	1156.6	1106.3	1057.1	1017.7
20°	1548.5	1501.3	1453.6	1397.5	1329.8	1260.6	1202.4	1136.8	1082.9	1032.0	983.7
22.5°	1547.2	1493.8	1441.8	1384.0	1318.1	1254.4	1184.0	1117.1	1058.5	1008.5	958.2
25°	1535.4	1478.2	1413.2	1355.0	1290.0	1222.3	1151.0	1081.8	1022.0	964.8	915.0
27.5°	1525.5	1451.4	1377.8	1309.9	1247.1	1185.1	1116.8	1045.9	979.7	921.7	874.7
30°	1513.4	1432.1	1349.2	1278.4	1214.0	1153.7	1089.1	1020.0	950.7	894.0	843.7
32.5°	1502.5	1407.8	1320.3	1243.2	1174.9	1116.3	1056.8	991.0	923.0	865.6	815.2
35°	1481.4	1371.8	1271.6	1184.6	1111.7	1051.4	1001.6	940.2	877.8	822.2	774.0
37.5°	1454.6	1324.5	1217.1	1125.8	1045.9	982.4	936.0	888.9	829.0	775.5	731.8
40°	1433.6	1291.0	1177.2	1083.9	1001.1	934.9	892.0	847.4	797.6	747.8	701.7
42.5°	1407.2	1260.8	1137.0	1036.5	954.4	890.1	845.0	807.1	763.2	716.7	673.9
45°	1358.7	1206.1	1071.9	963.8	880.9	817.5	770.8	742.6	709.5	665.4	629.2
47.5°	1287.3	1140.3	1001.5	890.0	804.5	745.7	702.0	674.8	651.5	618.7	585.9
50°	1223.9	1091.3	950.7	840.0	754.6	695.3	655.0	630.3	610.4	585.2	557.4
52.5°	1153.0	1029.6	900.8	791.4	706.8	648.3	608.8	587.1	570.6	552.5	525.1
55°	1040.4	935.5	816.0	712.1	634.0	576.8	542.2	523.3	509.7	496.0	479.3
57.5°	916.3	834.2	728.3	633.5	561.5	509.5	477.2	458.8	448.3	441.2	431.3
60°	829.0	758.8	667.5	581.0	510.8	464.6	433.1	419.0	410.1	404.2	397.0
62.5°	748.1	690.4	605.8	526.8	465.4	421.8	393.7	380.0	371.4	368.6	362.5
65°	628.7	584.2	514.4	448.9	396.5	359.2	335.6	322.4	317.2	314.1	314.7
67.5°	511.2	484.0	428.0	372.1	330.2	299.0	280.1	270.0	267.4	263.3	263.2
70°	439.4	419.0	371.8	323.1	285.8	261.7	244.9	234.4	231.8	229.6	229.1
72.5°	376.1	358.2	317.2	278.1	244.7	223.5	209.6	203.4	199.0	197.8	197.7
75°	282.7	272.7	240.1	209.2	186.1	171.5	162.1	156.2	153.1	152.6	153.1
77.5°	201.0	192.3	171.6	149.7	135.1	124.0	116.0	114.0	110.5	110.6	110.0
80°	151.0	145.2	132.2	114.8	102.8	93.3	89.2	85.4	84.4	82.8	84.4
82.5°	109.5	103.3	94.4	83.4	73.4	67.8	63.5	62.4	61.8	61.0	61.4
85°	54.0	54.5	49.3	40.9	36.7	33.5	30.9	30.9	30.4	29.9	30.4
87.5°	20.4	19.3	17.4	15.9	13.5	12.0	11.3	11.5	10.5	10.3	11.0
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: P333407-840

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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: P333407-840

CATALOG NUMBER: S125DIW-S850D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1214.1	1209.4	1205.7	1197.3	1192.7	1186.4	1181.3	1186.8	1180.9	1183.5	1179.6
5°	1176.2	1161.5	1151.0	1135.8	1122.7	1110.6	1101.8	1100.1	1095.9	1093.9	1087.5
7.5°	1130.6	1112.3	1094.3	1074.4	1057.5	1040.5	1029.6	1020.6	1014.6	1006.7	1001.4
10°	1103.8	1079.1	1058.2	1034.1	1013.1	994.7	980.1	972.7	965.9	955.9	952.3
12.5°	1070.7	1045.2	1019.6	993.8	973.7	953.2	940.6	929.5	924.8	913.5	912.4
15°	1031.0	992.7	967.5	941.3	913.4	896.7	886.2	874.1	868.9	861.0	855.3
17.5°	983.5	949.4	917.9	890.7	866.9	852.7	839.7	831.4	822.4	817.3	807.9
20°	949.2	916.7	885.1	856.3	838.0	821.7	811.2	803.3	794.0	791.3	781.8
22.5°	920.2	884.3	854.1	829.9	809.8	791.5	780.1	774.9	768.3	760.2	758.3
25°	873.1	835.9	810.2	786.1	768.2	751.4	743.6	736.8	730.4	724.7	722.6
27.5°	832.4	799.1	768.6	746.8	731.3	716.0	709.0	700.7	696.2	691.6	685.9
30°	803.9	769.8	743.1	722.1	705.3	691.7	684.3	678.5	674.4	670.1	667.0
32.5°	774.5	743.0	717.0	696.5	679.7	669.4	662.9	658.8	654.2	649.1	645.2
35°	735.7	701.0	675.9	658.1	645.0	637.1	629.8	626.1	620.9	620.9	616.6
37.5°	692.0	662.1	639.9	623.6	611.9	604.8	596.8	594.3	591.0	588.8	587.3
40°	666.0	638.1	617.2	601.0	588.3	582.6	576.3	572.1	570.0	567.3	566.3
42.5°	639.1	612.6	592.5	577.4	566.5	561.6	555.7	552.8	548.6	545.1	544.5
45°	598.3	572.6	554.3	542.2	532.8	527.0	523.3	517.1	514.9	510.8	510.2
47.5°	559.6	534.9	516.9	507.1	498.8	494.0	488.3	482.0	479.6	477.5	477.3
50°	530.7	508.2	491.3	481.9	474.0	467.3	461.4	457.3	455.7	455.7	456.8
52.5°	501.3	482.1	467.9	456.4	448.9	441.6	436.3	433.7	431.3	433.8	435.8
55°	458.3	438.9	428.4	417.4	410.1	401.6	399.1	398.0	396.5	400.6	402.7
57.5°	412.8	399.2	386.9	376.0	369.4	364.6	361.0	360.3	363.2	365.3	372.1
60°	383.8	368.1	357.1	348.7	340.8	337.7	336.7	335.6	337.7	343.5	352.3
62.5°	351.9	339.2	327.3	321.0	315.3	310.0	309.8	310.4	314.7	321.2	330.1
65°	305.2	294.2	286.3	278.9	274.3	271.1	272.2	274.3	278.9	287.9	297.8
67.5°	257.7	250.1	243.1	237.1	232.6	232.6	233.7	236.8	242.4	252.7	261.8
70°	227.0	218.6	212.9	210.3	206.6	204.5	207.6	212.9	217.6	227.0	234.9
72.5°	196.4	189.3	184.8	183.0	181.5	179.8	180.8	186.4	192.9	202.3	211.5
75°	151.0	148.3	145.2	143.2	141.6	142.6	143.7	149.0	154.2	164.1	174.6
77.5°	110.2	107.4	105.6	105.1	104.2	104.7	107.8	111.6	116.7	124.0	131.9
80°	83.4	82.3	81.3	80.8	80.8	81.3	85.4	88.1	92.8	99.7	105.9
82.5°	60.7	60.1	59.9	59.8	60.2	60.3	62.8	66.2	70.2	75.3	80.8
85°	32.0	30.9	32.5	33.0	32.0	33.5	34.6	36.7	38.3	40.9	43.5
87.5°	11.7	12.8	12.6	13.2	13.5	14.5	14.3	16.2	17.2	18.2	17.9
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: P333407-840

CATALOG NUMBER: S125DIW-S850D770U840-4F0-1E-UDD-A1

**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: P333407-840

CATALOG NUMBER: S125DIW-S850D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1177.1	1180.0	1177.5	1180.9	1177.5	1180.0	1177.1	1179.6	1183.5	1180.9	1186.8
5°	1084.9	1080.3	1083.4	1081.3	1083.4	1080.3	1084.9	1087.5	1093.9	1095.9	1100.1
7.5°	999.8	995.2	990.2	987.7	990.2	995.2	999.8	1001.4	1006.7	1014.6	1020.6
10°	946.5	940.7	940.2	936.5	940.2	940.7	946.5	952.3	955.9	965.9	972.7
12.5°	907.5	902.1	896.2	894.6	896.2	902.1	907.5	912.4	913.5	924.8	929.5
15°	852.1	847.9	844.2	847.4	844.2	847.9	852.1	855.3	861.0	868.9	874.1
17.5°	806.1	802.6	801.9	798.1	801.9	802.6	806.1	807.9	817.3	822.4	831.4
20°	777.1	774.5	775.6	768.7	775.6	774.5	777.1	781.8	791.3	794.0	803.3
22.5°	754.1	748.9	748.3	746.9	748.3	748.9	754.1	758.3	760.2	768.3	774.9
25°	717.9	715.3	712.7	715.3	712.7	715.3	717.9	722.6	724.7	730.4	736.8
27.5°	686.3	683.2	682.5	682.8	682.5	683.2	686.3	685.9	691.6	696.2	700.7
30°	667.0	661.8	662.3	661.8	662.3	661.8	667.0	667.0	670.1	674.4	678.5
32.5°	646.0	642.5	641.8	640.8	641.8	642.5	646.0	645.2	649.1	654.2	658.8
35°	615.1	615.1	612.5	612.5	612.5	615.1	615.1	616.6	620.9	620.9	626.1
37.5°	586.0	585.5	583.9	584.2	583.9	585.5	586.0	587.3	588.8	591.0	594.3
40°	564.2	563.7	562.1	559.0	562.1	563.7	564.2	566.3	567.3	570.0	572.1
42.5°	543.2	541.5	540.8	539.7	540.8	541.5	543.2	544.5	545.1	548.6	552.8
45°	510.2	510.2	509.2	508.7	509.2	510.2	510.2	510.2	510.8	514.9	517.1
47.5°	478.2	479.1	481.1	480.8	481.1	479.1	478.2	477.3	477.5	479.6	482.0
50°	458.8	459.4	460.9	461.4	460.9	459.4	458.8	456.8	455.7	455.7	457.3
52.5°	437.5	440.5	442.4	442.1	442.4	440.5	437.5	435.8	433.8	431.3	433.7
55°	407.5	411.1	414.8	415.4	414.8	411.1	407.5	402.7	400.6	396.5	398.0
57.5°	377.8	382.9	386.8	388.0	386.8	382.9	377.8	372.1	365.3	363.2	360.3
60°	357.6	364.5	369.2	371.2	369.2	364.5	357.6	352.3	343.5	337.7	335.6
62.5°	338.3	346.0	350.7	351.1	350.7	346.0	338.3	330.1	321.2	314.7	310.4
65°	306.8	314.7	318.8	321.9	318.8	314.7	306.8	297.8	287.9	278.9	274.3
67.5°	272.8	280.6	285.3	287.8	285.3	280.6	272.8	261.8	252.7	242.4	236.8
70°	248.0	255.9	262.2	264.3	262.2	255.9	248.0	234.9	227.0	217.6	212.9
72.5°	223.7	230.8	235.8	238.2	235.8	230.8	223.7	211.5	202.3	192.9	186.4
75°	181.5	190.9	195.6	198.2	195.6	190.9	181.5	174.6	164.1	154.2	149.0
77.5°	139.9	148.6	151.4	152.7	151.4	148.6	139.9	131.9	124.0	116.7	111.6
80°	112.2	117.4	121.1	121.7	121.1	117.4	112.2	105.9	99.7	92.8	88.1
82.5°	86.2	90.6	91.8	93.1	91.8	90.6	86.2	80.8	75.3	70.2	66.2
85°	47.2	49.3	49.8	49.3	49.8	49.3	47.2	43.5	40.9	38.3	36.7
87.5°	18.8	18.5	18.6	19.5	18.6	18.5	18.8	17.9	18.2	17.2	16.2
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: P333407-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1181.3	1186.4	1192.7	1197.3	1205.7	1209.4	1214.1	1217.8	1224.6	1230.8	1238.4
5°	1101.8	1110.6	1122.7	1135.8	1151.0	1161.5	1176.2	1185.1	1203.0	1219.2	1234.9
7.5°	1029.6	1040.5	1057.5	1074.4	1094.3	1112.3	1130.6	1151.0	1173.8	1200.6	1222.8
10°	980.1	994.7	1013.1	1034.1	1058.2	1079.1	1103.8	1125.8	1153.7	1185.1	1214.5
12.5°	940.6	953.2	973.7	993.8	1019.6	1045.2	1070.7	1099.8	1132.3	1167.1	1204.0
15°	886.2	896.7	913.4	941.3	967.5	992.7	1031.0	1058.2	1099.1	1137.9	1182.5
17.5°	839.7	852.7	866.9	890.7	917.9	949.4	983.5	1017.7	1057.1	1106.3	1156.6
20°	811.2	821.7	838.0	856.3	885.1	916.7	949.2	983.7	1032.0	1082.9	1136.8
22.5°	780.1	791.5	809.8	829.9	854.1	884.3	920.2	958.2	1008.5	1058.5	1117.1
25°	743.6	751.4	768.2	786.1	810.2	835.9	873.1	915.0	964.8	1022.0	1081.8
27.5°	709.0	716.0	731.3	746.8	768.6	799.1	832.4	874.7	921.7	979.7	1045.9
30°	684.3	691.7	705.3	722.1	743.1	769.8	803.9	843.7	894.0	950.7	1020.0
32.5°	662.9	669.4	679.7	696.5	717.0	743.0	774.5	815.2	865.6	923.0	991.0
35°	629.8	637.1	645.0	658.1	675.9	701.0	735.7	774.0	822.2	877.8	940.2
37.5°	596.8	604.8	611.9	623.6	639.9	662.1	692.0	731.8	775.5	829.0	888.9
40°	576.3	582.6	588.3	601.0	617.2	638.1	666.0	701.7	747.8	797.6	847.4
42.5°	555.7	561.6	566.5	577.4	592.5	612.6	639.1	673.9	716.7	763.2	807.1
45°	523.3	527.0	532.8	542.2	554.3	572.6	598.3	629.2	665.4	709.5	742.6
47.5°	488.3	494.0	498.8	507.1	516.9	534.9	559.6	585.9	618.7	651.5	674.8
50°	461.4	467.3	474.0	481.9	491.3	508.2	530.7	557.4	585.2	610.4	630.3
52.5°	436.3	441.6	448.9	456.4	467.9	482.1	501.3	525.1	552.5	570.6	587.1
55°	399.1	401.6	410.1	417.4	428.4	438.9	458.3	479.3	496.0	509.7	523.3
57.5°	361.0	364.6	369.4	376.0	386.9	399.2	412.8	431.3	441.2	448.3	458.8
60°	336.7	337.7	340.8	348.7	357.1	368.1	383.8	397.0	404.2	410.1	419.0
62.5°	309.8	310.0	315.3	321.0	327.3	339.2	351.9	362.5	368.6	371.4	380.0
65°	272.2	271.1	274.3	278.9	286.3	294.2	305.2	314.7	314.1	317.2	322.4
67.5°	233.7	232.6	232.6	237.1	243.1	250.1	257.7	263.2	263.3	267.4	270.0
70°	207.6	204.5	206.6	210.3	212.9	218.6	227.0	229.1	229.6	231.8	234.4
72.5°	180.8	179.8	181.5	183.0	184.8	189.3	196.4	197.7	197.8	199.0	203.4
75°	143.7	142.6	141.6	143.2	145.2	148.3	151.0	153.1	152.6	153.1	156.2
77.5°	107.8	104.7	104.2	105.1	105.6	107.4	110.2	110.0	110.6	110.5	114.0
80°	85.4	81.3	80.8	80.8	81.3	82.3	83.4	84.4	82.8	84.4	85.4
82.5°	62.8	60.3	60.2	59.8	59.9	60.1	60.7	61.4	61.0	61.8	62.4
85°	34.6	33.5	32.0	33.0	32.5	30.9	32.0	30.4	29.9	30.4	30.9
87.5°	14.3	14.5	13.5	13.2	12.6	12.8	11.7	11.0	10.3	10.5	11.5
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: P333407-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1242.1	1248.0	1251.8	1258.9	1264.8	1268.2	1271.1	1273.6	1276.6	1279.1	1286.2
5°	1250.1	1263.7	1275.3	1293.1	1309.4	1321.9	1335.5	1347.7	1357.7	1371.8	1382.8
7.5°	1246.7	1270.9	1296.3	1323.8	1352.0	1378.3	1402.4	1424.9	1445.4	1470.2	1491.9
10°	1243.3	1276.4	1308.9	1346.0	1384.3	1416.8	1447.2	1478.2	1500.8	1532.3	1558.9
12.5°	1240.8	1279.7	1318.9	1363.7	1405.7	1451.7	1492.2	1514.7	1549.0	1574.2	1606.0
15°	1230.2	1281.6	1335.5	1385.9	1445.7	1488.1	1523.9	1567.9	1599.8	1631.8	1666.5
17.5°	1211.2	1269.4	1329.8	1395.8	1453.2	1498.7	1544.7	1587.2	1625.4	1668.3	1711.3
20°	1202.4	1260.6	1329.8	1397.5	1453.6	1501.3	1548.5	1595.2	1637.1	1692.1	1742.0
22.5°	1184.0	1254.4	1318.1	1384.0	1441.8	1493.8	1547.2	1600.2	1656.0	1718.2	1780.6
25°	1151.0	1222.3	1290.0	1355.0	1413.2	1478.2	1535.4	1606.2	1677.5	1759.8	1837.4
27.5°	1116.8	1185.1	1247.1	1309.9	1377.8	1451.4	1525.5	1605.9	1699.2	1803.1	1912.6
30°	1089.1	1153.7	1214.0	1278.4	1349.2	1432.1	1513.4	1608.8	1716.8	1833.7	1963.8
32.5°	1056.8	1116.3	1174.9	1243.2	1320.3	1407.8	1502.5	1607.1	1737.0	1869.9	2003.7
35°	1001.6	1051.4	1111.7	1184.6	1271.6	1371.8	1481.4	1605.1	1754.0	1906.6	2019.4
37.5°	936.0	982.4	1045.9	1125.8	1217.1	1324.5	1454.6	1601.4	1759.6	1881.3	1917.6
40°	892.0	934.9	1001.1	1083.9	1177.2	1291.0	1433.6	1588.8	1742.0	1819.6	1789.7
42.5°	845.0	890.1	954.4	1036.5	1137.0	1260.8	1407.2	1562.5	1690.8	1720.2	1616.9
45°	770.8	817.5	880.9	963.8	1071.9	1206.1	1358.7	1499.8	1573.7	1520.7	1360.8
47.5°	702.0	745.7	804.5	890.0	1001.5	1140.3	1287.3	1399.8	1405.6	1279.3	1108.4
50°	655.0	695.3	754.6	840.0	950.7	1091.3	1223.9	1312.5	1272.6	1129.5	965.3
52.5°	608.8	648.3	706.8	791.4	900.8	1029.6	1153.0	1215.2	1140.1	993.2	852.9
55°	542.2	576.8	634.0	712.1	816.0	935.5	1040.4	1061.9	964.3	819.6	705.8
57.5°	477.2	509.5	561.5	633.5	728.3	834.2	916.3	911.7	808.6	684.4	594.1
60°	433.1	464.6	510.8	581.0	667.5	758.8	829.0	812.2	710.0	603.0	527.0
62.5°	393.7	421.8	465.4	526.8	605.8	690.4	748.1	723.4	623.2	529.6	469.5
65°	335.6	359.2	396.5	448.9	514.4	584.2	628.7	596.7	511.3	438.4	390.1
67.5°	280.1	299.0	330.2	372.1	428.0	484.0	511.2	479.0	410.6	357.4	321.6
70°	244.9	261.7	285.8	323.1	371.8	419.0	439.4	410.6	351.8	306.2	280.5
72.5°	209.6	223.5	244.7	278.1	317.2	358.2	376.1	348.5	300.2	261.8	237.7
75°	162.1	171.5	186.1	209.2	240.1	272.7	282.7	258.5	227.6	198.7	183.0
77.5°	116.0	124.0	135.1	149.7	171.6	192.3	201.0	187.0	163.1	144.8	131.9
80°	89.2	93.3	102.8	114.8	132.2	145.2	151.0	142.1	125.3	111.7	101.7
82.5°	63.5	67.8	73.4	83.4	94.4	103.3	109.5	103.5	91.4	80.7	74.8
85°	30.9	33.5	36.7	40.9	49.3	54.5	54.0	50.3	45.6	41.4	38.3
87.5°	11.3	12.0	13.5	15.9	17.4	19.3	20.4	19.8	18.4	17.3	16.2
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°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1292.0	1295.5	1302.5	1300.0	1303.4	1305.0	1306.8
5°	1396.4	1413.2	1420.6	1419.5	1430.5	1427.8	1425.2
7.5°	1514.3	1532.0	1541.8	1554.1	1561.2	1561.7	1567.9
10°	1581.0	1604.1	1613.6	1626.6	1635.0	1639.7	1639.2
12.5°	1632.1	1650.2	1671.4	1677.8	1689.1	1695.1	1692.9
15°	1693.7	1722.6	1744.6	1755.7	1769.8	1773.9	1779.8
17.5°	1748.7	1787.4	1813.1	1847.2	1860.2	1868.0	1863.4
20°	1790.2	1841.1	1866.8	1907.7	1930.3	1942.3	1938.1
22.5°	1839.3	1894.4	1941.9	1977.3	2011.7	2027.9	2031.2
25°	1923.4	1998.9	2068.7	2115.4	2157.8	2167.8	2189.8
27.5°	2017.4	2106.5	2181.0	2230.1	2259.7	2270.8	2277.6
30°	2076.6	2165.2	2221.3	2252.7	2262.2	2261.1	2260.1
32.5°	2105.5	2161.0	2171.7	2162.9	2141.3	2123.1	2104.1
35°	2064.5	2023.1	1961.2	1881.5	1822.7	1763.5	1757.7
37.5°	1856.7	1724.2	1621.2	1506.2	1439.9	1398.9	1370.5
40°	1661.2	1510.8	1385.9	1288.9	1221.2	1194.6	1168.3
42.5°	1449.0	1305.1	1194.7	1113.6	1062.7	1033.0	1012.3
45°	1177.2	1050.4	963.8	905.0	864.7	841.6	828.5
47.5°	964.6	870.8	797.3	754.9	727.0	709.0	709.1
50°	850.5	760.8	712.1	678.5	654.4	640.3	642.9
52.5°	749.4	682.5	640.8	612.7	594.8	586.1	585.8
55°	626.6	578.3	551.1	530.7	518.6	508.7	510.8
57.5°	536.0	495.3	477.1	460.1	451.7	447.7	441.9
60°	479.8	448.4	432.6	419.0	410.6	407.5	401.6
62.5°	429.9	405.2	389.8	378.7	371.1	370.1	365.6
65°	361.3	342.4	328.8	323.6	315.7	313.6	313.6
67.5°	297.8	284.3	273.8	268.9	265.4	266.0	263.5
70°	258.0	247.0	240.1	234.9	232.3	232.8	230.8
72.5°	225.7	213.4	207.4	204.3	200.9	202.2	201.4
75°	171.0	164.6	161.5	158.3	156.2	155.2	154.2
77.5°	125.5	120.0	117.5	115.8	116.1	113.6	115.5
80°	97.0	92.3	90.7	88.1	87.6	87.6	87.1
82.5°	71.0	68.4	67.3	65.0	64.1	64.9	63.5
85°	36.7	34.6	34.1	34.1	33.0	32.0	34.6
87.5°	16.4	14.8	14.9	14.6	14.7	14.4	13.6
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)