

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: P333557-840

Luminaire Tested: **S125RDIP-S850D590U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333557-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S850D590U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5376.8 lumens  
Efficiency: N/A  
Efficacy: 133.4 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: Semi-Direct

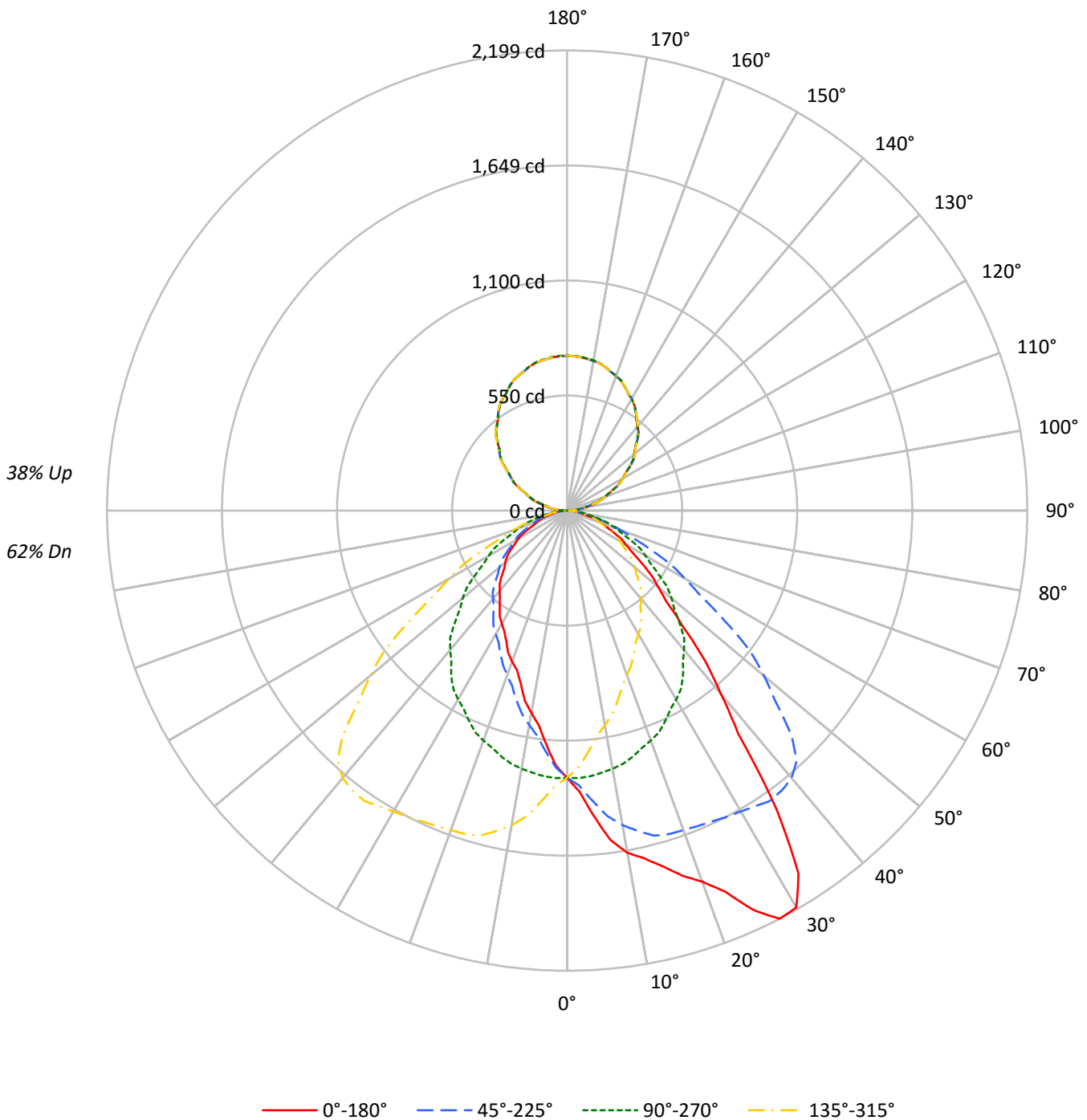
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	94	91	88	85	80	77	75	69	68	66	60	59	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	84	75	68	62	79	71	64	59	62	57	53	55	51	48	48	45	42	39
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	40	37	34
5	71	60	52	46	67	56	49	44	50	44	40	44	40	36	39	35	32	29
6	66	54	46	40	62	51	44	38	45	39	35	40	35	32	35	31	29	26
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	32	28	25	23
8	57	44	37	31	53	42	35	30	38	32	28	33	29	25	30	26	23	21
9	53	41	33	28	50	38	32	27	35	29	25	31	26	23	27	24	21	19
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	25	22	19	17

**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	2.3
10°-20°	359.0	6.7
20°-30°	569.2	10.6
30°-40°	686.4	12.8
40°-50°	613.0	11.4
50°-60°	470.0	8.7
60°-70°	305.5	5.7
70°-80°	148.5	2.8
80°-90°	37.1	0.7
90°-100°	49.6	0.9
100°-110°	146.4	2.7
110°-120°	248.0	4.6
120°-130°	326.4	6.1
130°-140°	365.7	6.8
140°-150°	358.4	6.7
150°-160°	301.1	5.6
160°-170°	200.1	3.7
170°-180°	70.0	1.3
0°-30°	1050.6	19.5
0°-40°	1737.0	32.3
0°-60°	2820.0	52.4
0°-90°	3311.1	61.6
90°-120°	444.0	8.3
90°-150°	1494.5	27.8
90°-180°	2066.0	38.4
0°-180°	5376.8	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°	14	1	14	1	14	9
95°	50	38	50	38	50	50
105°	143	131	143	131	143	151
115°	251	248	251	248	251	248
125°	365	362	365	362	365	326
135°	473	471	473	471	473	365
145°	573	571	573	571	573	358
155°	653	653	653	653	653	301
165°	709	710	709	710	709	200
175°	736	738	736	738	736	70
180°	740	740	740	740	740	



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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°	12.0	11.5	11.0	10.9	11.3	12.0	11.4	10.9	10.8	10.6	10.9
90°	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5	9.9	9.2	8.3
92.5°	27.2	26.9	26.7	26.4	26.1	25.5	24.6	23.8	22.9	22.1	21.0
95°	49.6	49.3	49.1	48.8	48.5	48.0	47.1	46.2	45.2	44.3	43.1
97.5°	75.1	74.9	74.8	74.6	74.5	74.0	73.2	72.3	71.5	70.6	68.9
100°	94.5	94.2	94.0	93.7	93.4	92.7	91.6	90.5	89.3	88.2	86.4
102.5°	113.8	113.5	113.1	112.8	112.4	111.6	110.4	109.1	107.9	106.5	105.7
105°	142.9	142.5	142.1	141.7	141.4	140.8	140.0	139.3	138.5	137.6	136.9
107.5°	172.6	172.6	172.7	172.7	172.7	172.5	172.2	171.8	171.4	171.0	170.4
110°	194.7	194.8	195.0	195.1	195.2	195.1	194.7	194.3	194.0	193.6	193.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	216.4	216.6	216.8	217.1	217.3	217.3	217.1	217.0	216.8	216.6	216.1
115°	250.6	250.7	250.9	251.0	251.2	251.3	251.4	251.5	251.7	251.8	251.5
117.5°	284.0	284.6	285.1	285.6	286.1	286.3	286.2	286.1	286.0	285.9	285.6
120°	307.1	307.6	308.1	308.6	309.1	309.3	309.3	309.3	309.3	309.3	309.2
122.5°	330.1	330.5	330.9	331.3	331.7	332.0	332.1	332.2	332.3	332.4	332.0
125°	364.7	364.8	365.0	365.1	365.2	365.4	365.7	365.9	366.2	366.4	366.3
127.5°	397.9	398.1	398.4	398.6	398.9	399.1	399.2	399.3	399.5	399.6	399.4
130°	420.0	420.2	420.5	420.7	421.0	421.2	421.3	421.4	421.6	421.7	421.4
132.5°	440.7	441.1	441.4	441.8	442.1	442.4	442.5	442.6	442.8	442.9	442.9
135°	473.0	473.5	474.0	474.5	475.0	475.2	475.2	475.2	475.2	475.2	475.1
137.5°	504.5	505.2	505.8	506.4	507.2	507.4	507.2	507.1	506.9	506.8	506.4
140°	524.8	525.4	526.1	526.7	527.4	527.6	527.4	527.0	526.8	526.5	526.1
142.5°	544.2	544.8	545.4	546.1	546.7	546.9	546.8	546.6	546.5	546.3	545.9
145°	573.2	573.6	574.0	574.4	574.7	574.9	574.9	574.9	574.9	574.9	574.6
147.5°	598.0	598.8	599.8	600.6	601.5	601.8	601.5	601.2	600.9	600.6	600.3
150°	616.4	616.7	616.9	617.2	617.4	617.5	617.5	617.5	617.5	617.5	617.0
152.5°	631.7	632.1	632.6	633.0	633.5	633.6	633.3	633.0	632.7	632.4	632.1
155°	653.3	653.9	654.6	655.2	655.9	655.9	655.4	654.9	654.4	653.9	653.8
157.5°	671.4	672.3	673.1	673.9	674.8	674.9	674.4	673.9	673.4	672.9	672.8
160°	683.9	684.5	685.1	685.8	686.4	686.4	685.9	685.4	684.9	684.4	684.3
162.5°	694.4	695.2	695.9	696.7	697.4	697.5	696.8	696.2	695.6	695.0	695.0
165°	708.6	709.3	710.1	710.9	711.7	711.9	711.2	710.7	710.2	709.7	709.6
167.5°	719.9	720.6	721.4	722.3	723.1	723.1	722.4	721.5	720.7	720.0	720.0
170°	725.9	726.8	727.7	728.6	729.4	729.5	728.7	728.0	727.2	726.5	726.5
172.5°	730.9	731.7	732.6	733.4	734.2	734.2	733.4	732.7	731.8	731.0	731.0
175°	735.7	736.6	737.5	738.4	739.2	739.3	738.5	737.8	737.0	736.3	736.3
177.5°	738.4	739.1	739.9	740.6	741.3	741.3	740.7	740.1	739.5	738.9	739.0
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



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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°	11.1	10.9	11.2	11.0	10.4	12.3	13.3	13.5	12.9	12.3	11.6
90°	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	19.9	18.8	17.7	16.8	16.1	15.3	14.6	13.9	14.6	15.3	16.1
95°	41.8	40.5	39.3	38.5	38.2	38.0	37.7	37.5	37.7	38.0	38.2
97.5°	67.1	65.3	63.5	62.6	62.5	62.4	62.3	62.2	62.3	62.4	62.5
100°	84.8	83.1	81.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
102.5°	104.9	104.0	103.2	102.5	102.0	101.5	101.0	100.5	101.0	101.5	102.0
105°	136.1	135.4	134.6	133.9	133.3	132.6	132.0	131.4	132.0	132.6	133.3
107.5°	169.8	169.3	168.6	168.0	167.3	166.7	166.1	165.4	166.1	166.7	167.3
110°	192.8	192.4	192.1	191.6	190.9	190.3	189.6	188.9	189.6	190.3	190.9





TEST NUMBER: P333557-840

CATALOG NUMBER: S125RDIP-S850D590U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	215.6	215.2	214.7	214.3	213.9	213.6	213.3	212.9	213.3	213.6	213.9
115°	251.3	251.0	250.7	250.3	249.8	249.3	248.8	248.3	248.8	249.3	249.8
117.5°	285.4	285.2	285.0	284.7	284.5	284.3	284.0	283.8	284.0	284.3	284.5
120°	309.1	309.0	308.8	308.5	307.8	307.2	306.6	305.9	306.6	307.2	307.8
122.5°	331.7	331.4	331.0	330.8	330.5	330.3	330.1	329.9	330.1	330.3	330.5
125°	366.2	366.0	365.9	365.5	364.7	363.9	363.1	362.3	363.1	363.9	364.7
127.5°	399.3	399.1	399.0	398.7	398.2	397.8	397.4	397.0	397.4	397.8	398.2
130°	421.2	420.9	420.7	420.2	419.6	419.0	418.3	417.7	418.3	419.0	419.6
132.5°	443.0	443.0	443.1	442.6	441.5	440.5	439.5	438.4	439.5	440.5	441.5
135°	475.0	474.9	474.7	474.3	473.5	472.8	472.0	471.2	472.0	472.8	473.5
137.5°	506.1	505.9	505.6	505.1	504.3	503.6	502.9	502.1	502.9	503.6	504.3
140°	525.8	525.4	525.0	524.5	523.8	523.2	522.6	521.9	522.6	523.2	523.8
142.5°	545.4	544.9	544.4	543.9	543.4	542.8	542.3	541.8	542.3	542.8	543.4
145°	574.2	573.8	573.4	573.0	572.5	572.0	571.4	570.9	571.4	572.0	572.5
147.5°	600.0	599.6	599.3	599.1	598.7	598.4	598.1	597.8	598.1	598.4	598.7
150°	616.5	616.0	615.5	615.3	615.5	615.6	615.7	615.8	615.7	615.6	615.5
152.5°	631.9	631.7	631.5	631.3	631.2	631.0	630.8	630.6	630.8	631.0	631.2
155°	653.6	653.5	653.4	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3
157.5°	672.7	672.5	672.4	672.5	672.8	673.0	673.3	673.6	673.3	673.0	672.8
160°	684.2	684.0	683.9	684.0	684.4	684.8	685.2	685.6	685.2	684.8	684.4
162.5°	695.0	694.9	694.9	695.0	695.3	695.6	695.9	696.2	695.9	695.6	695.3
165°	709.5	709.3	709.2	709.3	709.5	709.8	710.0	710.3	710.0	709.8	709.5
167.5°	720.0	720.0	720.0	720.2	720.7	721.2	721.9	722.4	721.9	721.2	720.7
170°	726.5	726.5	726.5	726.7	727.2	727.7	728.2	728.7	728.2	727.7	727.2
172.5°	731.0	731.0	731.0	731.3	731.8	732.4	732.9	733.4	732.9	732.4	731.8
175°	736.3	736.3	736.3	736.5	737.0	737.5	738.0	738.5	738.0	737.5	737.0
177.5°	739.1	739.2	739.3	739.5	740.0	740.4	740.8	741.2	740.8	740.4	740.0
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



TEST NUMBER: P333557-840

CATALOG NUMBER: S125RDIP-S850D590U840-4F0-1E-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°	11.4	11.6	11.4	12.4	11.3	11.9	12.0	11.7	11.9	12.0	11.7
90°	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5	11.1	11.8	12.3
92.5°	16.8	17.7	18.8	19.9	21.0	22.1	22.9	23.8	24.6	25.5	26.1
95°	38.5	39.3	40.5	41.8	43.1	44.3	45.2	46.2	47.1	48.0	48.5
97.5°	62.6	63.5	65.3	67.1	68.9	70.6	71.5	72.3	73.2	74.0	74.5
100°	80.7	81.5	83.1	84.8	86.4	88.2	89.3	90.5	91.6	92.7	93.4
102.5°	102.5	103.2	104.0	104.9	105.7	106.5	107.9	109.1	110.4	111.6	112.4
105°	133.9	134.6	135.4	136.1	136.9	137.6	138.5	139.3	140.0	140.8	141.4
107.5°	168.0	168.6	169.3	169.8	170.4	171.0	171.4	171.8	172.2	172.5	172.7
110°	191.6	192.1	192.4	192.8	193.2	193.6	194.0	194.3	194.7	195.1	195.2



TEST NUMBER: P333557-840

CATALOG NUMBER: S125RDIP-S850D590U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	214.3	214.7	215.2	215.6	216.1	216.6	216.8	217.0	217.1	217.3	217.3
115°	250.3	250.7	251.0	251.3	251.5	251.8	251.7	251.5	251.4	251.3	251.2
117.5°	284.7	285.0	285.2	285.4	285.6	285.9	286.0	286.1	286.2	286.3	286.1
120°	308.5	308.8	309.0	309.1	309.2	309.3	309.3	309.3	309.3	309.3	309.1
122.5°	330.8	331.0	331.4	331.7	332.0	332.4	332.3	332.2	332.1	332.0	331.7
125°	365.5	365.9	366.0	366.2	366.3	366.4	366.2	365.9	365.7	365.4	365.2
127.5°	398.7	399.0	399.1	399.3	399.4	399.6	399.5	399.3	399.2	399.1	398.9
130°	420.2	420.7	420.9	421.2	421.4	421.7	421.6	421.4	421.3	421.2	421.0
132.5°	442.6	443.1	443.0	443.0	442.9	442.9	442.8	442.6	442.5	442.4	442.1
135°	474.3	474.7	474.9	475.0	475.1	475.2	475.2	475.2	475.2	475.2	475.0
137.5°	505.1	505.6	505.9	506.1	506.4	506.8	506.9	507.1	507.2	507.4	507.2
140°	524.5	525.0	525.4	525.8	526.1	526.5	526.8	527.0	527.4	527.6	527.4
142.5°	543.9	544.4	544.9	545.4	545.9	546.3	546.5	546.6	546.8	546.9	546.7
145°	573.0	573.4	573.8	574.2	574.6	574.9	574.9	574.9	574.9	574.9	574.7
147.5°	599.1	599.3	599.6	600.0	600.3	600.6	600.9	601.2	601.5	601.8	601.5
150°	615.3	615.5	616.0	616.5	617.0	617.5	617.5	617.5	617.5	617.5	617.4
152.5°	631.3	631.5	631.7	631.9	632.1	632.4	632.7	633.0	633.3	633.6	633.5
155°	653.3	653.4	653.5	653.6	653.8	653.9	654.4	654.9	655.4	655.9	655.9
157.5°	672.5	672.4	672.5	672.7	672.8	672.9	673.4	673.9	674.4	674.9	674.8
160°	684.0	683.9	684.0	684.2	684.3	684.4	684.9	685.4	685.9	686.4	686.4
162.5°	695.0	694.9	694.9	695.0	695.0	695.0	695.6	696.2	696.8	697.5	697.4
165°	709.3	709.2	709.3	709.5	709.6	709.7	710.2	710.7	711.2	711.9	711.7
167.5°	720.2	720.0	720.0	720.0	720.0	720.0	720.7	721.5	722.4	723.1	723.1
170°	726.7	726.5	726.5	726.5	726.5	726.5	727.2	728.0	728.7	729.5	729.4
172.5°	731.3	731.0	731.0	731.0	731.0	731.0	731.8	732.7	733.4	734.2	734.2
175°	736.5	736.3	736.3	736.3	736.3	736.3	737.0	737.8	738.5	739.3	739.2
177.5°	739.5	739.3	739.2	739.1	739.0	738.9	739.5	740.1	740.7	741.3	741.3
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



TEST NUMBER: P333557-840

CATALOG NUMBER: S125RDIP-S850D590U840-4F0-1E-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°	12.2	11.8	11.9	12.0	11.9	11.8	12.2	11.7	12.0	11.9	11.7
90°	12.7	13.0	13.4	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5
92.5°	26.4	26.7	26.9	27.2	26.9	26.7	26.4	26.1	25.5	24.6	23.8
95°	48.8	49.1	49.3	49.6	49.3	49.1	48.8	48.5	48.0	47.1	46.2
97.5°	74.6	74.8	74.9	75.1	74.9	74.8	74.6	74.5	74.0	73.2	72.3
100°	93.7	94.0	94.2	94.5	94.2	94.0	93.7	93.4	92.7	91.6	90.5
102.5°	112.8	113.1	113.5	113.8	113.5	113.1	112.8	112.4	111.6	110.4	109.1
105°	141.7	142.1	142.5	142.9	142.5	142.1	141.7	141.4	140.8	140.0	139.3
107.5°	172.7	172.7	172.6	172.6	172.6	172.7	172.7	172.7	172.5	172.2	171.8
110°	195.1	195.0	194.8	194.7	194.8	195.0	195.1	195.2	195.1	194.7	194.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	217.1	216.8	216.6	216.4	216.6	216.8	217.1	217.3	217.3	217.1	217.0
115°	251.0	250.9	250.7	250.6	250.7	250.9	251.0	251.2	251.3	251.4	251.5
117.5°	285.6	285.1	284.6	284.0	284.6	285.1	285.6	286.1	286.3	286.2	286.1
120°	308.6	308.1	307.6	307.1	307.6	308.1	308.6	309.1	309.3	309.3	309.3
122.5°	331.3	330.9	330.5	330.1	330.5	330.9	331.3	331.7	332.0	332.1	332.2
125°	365.1	365.0	364.8	364.7	364.8	365.0	365.1	365.2	365.4	365.7	365.9
127.5°	398.6	398.4	398.1	397.9	398.1	398.4	398.6	398.9	399.1	399.2	399.3
130°	420.7	420.5	420.2	420.0	420.2	420.5	420.7	421.0	421.2	421.3	421.4
132.5°	441.8	441.4	441.1	440.7	441.1	441.4	441.8	442.1	442.4	442.5	442.6
135°	474.5	474.0	473.5	473.0	473.5	474.0	474.5	475.0	475.2	475.2	475.2
137.5°	506.4	505.8	505.2	504.5	505.2	505.8	506.4	507.2	507.4	507.2	507.1
140°	526.7	526.1	525.4	524.8	525.4	526.1	526.7	527.4	527.6	527.4	527.0
142.5°	546.1	545.4	544.8	544.2	544.8	545.4	546.1	546.7	546.9	546.8	546.6
145°	574.4	574.0	573.6	573.2	573.6	574.0	574.4	574.7	574.9	574.9	574.9
147.5°	600.6	599.8	598.8	598.0	598.8	599.8	600.6	601.5	601.8	601.5	601.2
150°	617.2	616.9	616.7	616.4	616.7	616.9	617.2	617.4	617.5	617.5	617.5
152.5°	633.0	632.6	632.1	631.7	632.1	632.6	633.0	633.5	633.6	633.3	633.0
155°	655.2	654.6	653.9	653.3	653.9	654.6	655.2	655.9	655.9	655.4	654.9
157.5°	673.9	673.1	672.3	671.4	672.3	673.1	673.9	674.8	674.9	674.4	673.9
160°	685.8	685.1	684.5	683.9	684.5	685.1	685.8	686.4	686.4	685.9	685.4
162.5°	696.7	695.9	695.2	694.4	695.2	695.9	696.7	697.4	697.5	696.8	696.2
165°	710.9	710.1	709.3	708.6	709.3	710.1	710.9	711.7	711.9	711.2	710.7
167.5°	722.3	721.4	720.6	719.9	720.6	721.4	722.3	723.1	723.1	722.4	721.5
170°	728.6	727.7	726.8	725.9	726.8	727.7	728.6	729.4	729.5	728.7	728.0
172.5°	733.4	732.6	731.7	730.9	731.7	732.6	733.4	734.2	734.2	733.4	732.7
175°	738.4	737.5	736.6	735.7	736.6	737.5	738.4	739.2	739.3	738.5	737.8
177.5°	740.6	739.9	739.1	738.4	739.1	739.9	740.6	741.3	741.3	740.7	740.1
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



TEST NUMBER: P333557-840

CATALOG NUMBER: S125RDIP-S850D590U840-4F0-1E-UDD-A1

**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°	12.0	11.9	11.3	12.4	11.4	11.6	11.4	11.6	12.3	12.9	13.5
90°	9.9	9.2	8.3	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6
92.5°	22.9	22.1	21.0	19.9	18.8	17.7	16.8	16.1	15.3	14.6	13.9
95°	45.2	44.3	43.1	41.8	40.5	39.3	38.5	38.2	38.0	37.7	37.5
97.5°	71.5	70.6	68.9	67.1	65.3	63.5	62.6	62.5	62.4	62.3	62.2
100°	89.3	88.2	86.4	84.8	83.1	81.5	80.7	80.7	80.7	80.7	80.7
102.5°	107.9	106.5	105.7	104.9	104.0	103.2	102.5	102.0	101.5	101.0	100.5
105°	138.5	137.6	136.9	136.1	135.4	134.6	133.9	133.3	132.6	132.0	131.4
107.5°	171.4	171.0	170.4	169.8	169.3	168.6	168.0	167.3	166.7	166.1	165.4
110°	194.0	193.6	193.2	192.8	192.4	192.1	191.6	190.9	190.3	189.6	188.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	216.8	216.6	216.1	215.6	215.2	214.7	214.3	213.9	213.6	213.3	212.9
115°	251.7	251.8	251.5	251.3	251.0	250.7	250.3	249.8	249.3	248.8	248.3
117.5°	286.0	285.9	285.6	285.4	285.2	285.0	284.7	284.5	284.3	284.0	283.8
120°	309.3	309.3	309.2	309.1	309.0	308.8	308.5	307.8	307.2	306.6	305.9
122.5°	332.3	332.4	332.0	331.7	331.4	331.0	330.8	330.5	330.3	330.1	329.9
125°	366.2	366.4	366.3	366.2	366.0	365.9	365.5	364.7	363.9	363.1	362.3
127.5°	399.5	399.6	399.4	399.3	399.1	399.0	398.7	398.2	397.8	397.4	397.0
130°	421.6	421.7	421.4	421.2	420.9	420.7	420.2	419.6	419.0	418.3	417.7
132.5°	442.8	442.9	442.9	443.0	443.0	443.1	442.6	441.5	440.5	439.5	438.4
135°	475.2	475.2	475.1	475.0	474.9	474.7	474.3	473.5	472.8	472.0	471.2
137.5°	506.9	506.8	506.4	506.1	505.9	505.6	505.1	504.3	503.6	502.9	502.1
140°	526.8	526.5	526.1	525.8	525.4	525.0	524.5	523.8	523.2	522.6	521.9
142.5°	546.5	546.3	545.9	545.4	544.9	544.4	543.9	543.4	542.8	542.3	541.8
145°	574.9	574.9	574.6	574.2	573.8	573.4	573.0	572.5	572.0	571.4	570.9
147.5°	600.9	600.6	600.3	600.0	599.6	599.3	599.1	598.7	598.4	598.1	597.8
150°	617.5	617.5	617.0	616.5	616.0	615.5	615.3	615.5	615.6	615.7	615.8
152.5°	632.7	632.4	632.1	631.9	631.7	631.5	631.3	631.2	631.0	630.8	630.6
155°	654.4	653.9	653.8	653.6	653.5	653.4	653.3	653.3	653.3	653.3	653.3
157.5°	673.4	672.9	672.8	672.7	672.5	672.4	672.5	672.8	673.0	673.3	673.6
160°	684.9	684.4	684.3	684.2	684.0	683.9	684.0	684.4	684.8	685.2	685.6
162.5°	695.6	695.0	695.0	695.0	694.9	694.9	695.0	695.3	695.6	695.9	696.2
165°	710.2	709.7	709.6	709.5	709.3	709.2	709.3	709.5	709.8	710.0	710.3
167.5°	720.7	720.0	720.0	720.0	720.0	720.0	720.2	720.7	721.2	721.9	722.4
170°	727.2	726.5	726.5	726.5	726.5	726.5	726.7	727.2	727.7	728.2	728.7
172.5°	731.8	731.0	731.0	731.0	731.0	731.0	731.3	731.8	732.4	732.9	733.4
175°	737.0	736.3	736.3	736.3	736.3	736.3	736.5	737.0	737.5	738.0	738.5
177.5°	739.5	738.9	739.0	739.1	739.2	739.3	739.5	740.0	740.4	740.8	741.2
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



TEST NUMBER: P333557-840

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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°	13.3	12.3	10.4	11.0	11.2	10.9	11.1	10.9	10.6	10.8	10.9
90°	1.6	2.6	3.6	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5
92.5°	14.6	15.3	16.1	16.8	17.7	18.8	19.9	21.0	22.1	22.9	23.8
95°	37.7	38.0	38.2	38.5	39.3	40.5	41.8	43.1	44.3	45.2	46.2
97.5°	62.3	62.4	62.5	62.6	63.5	65.3	67.1	68.9	70.6	71.5	72.3
100°	80.7	80.7	80.7	80.7	81.5	83.1	84.8	86.4	88.2	89.3	90.5
102.5°	101.0	101.5	102.0	102.5	103.2	104.0	104.9	105.7	106.5	107.9	109.1
105°	132.0	132.6	133.3	133.9	134.6	135.4	136.1	136.9	137.6	138.5	139.3
107.5°	166.1	166.7	167.3	168.0	168.6	169.3	169.8	170.4	171.0	171.4	171.8
110°	189.6	190.3	190.9	191.6	192.1	192.4	192.8	193.2	193.6	194.0	194.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	213.3	213.6	213.9	214.3	214.7	215.2	215.6	216.1	216.6	216.8	217.0
115°	248.8	249.3	249.8	250.3	250.7	251.0	251.3	251.5	251.8	251.7	251.5
117.5°	284.0	284.3	284.5	284.7	285.0	285.2	285.4	285.6	285.9	286.0	286.1
120°	306.6	307.2	307.8	308.5	308.8	309.0	309.1	309.2	309.3	309.3	309.3
122.5°	330.1	330.3	330.5	330.8	331.0	331.4	331.7	332.0	332.4	332.3	332.2
125°	363.1	363.9	364.7	365.5	365.9	366.0	366.2	366.3	366.4	366.2	365.9
127.5°	397.4	397.8	398.2	398.7	399.0	399.1	399.3	399.4	399.6	399.5	399.3
130°	418.3	419.0	419.6	420.2	420.7	420.9	421.2	421.4	421.7	421.6	421.4
132.5°	439.5	440.5	441.5	442.6	443.1	443.0	443.0	442.9	442.9	442.8	442.6
135°	472.0	472.8	473.5	474.3	474.7	474.9	475.0	475.1	475.2	475.2	475.2
137.5°	502.9	503.6	504.3	505.1	505.6	505.9	506.1	506.4	506.8	506.9	507.1
140°	522.6	523.2	523.8	524.5	525.0	525.4	525.8	526.1	526.5	526.8	527.0
142.5°	542.3	542.8	543.4	543.9	544.4	544.9	545.4	545.9	546.3	546.5	546.6
145°	571.4	572.0	572.5	573.0	573.4	573.8	574.2	574.6	574.9	574.9	574.9
147.5°	598.1	598.4	598.7	599.1	599.3	599.6	600.0	600.3	600.6	600.9	601.2
150°	615.7	615.6	615.5	615.3	615.5	616.0	616.5	617.0	617.5	617.5	617.5
152.5°	630.8	631.0	631.2	631.3	631.5	631.7	631.9	632.1	632.4	632.7	633.0
155°	653.3	653.3	653.3	653.3	653.4	653.5	653.6	653.8	653.9	654.4	654.9
157.5°	673.3	673.0	672.8	672.5	672.4	672.5	672.7	672.8	672.9	673.4	673.9
160°	685.2	684.8	684.4	684.0	683.9	684.0	684.2	684.3	684.4	684.9	685.4
162.5°	695.9	695.6	695.3	695.0	694.9	694.9	695.0	695.0	695.0	695.6	696.2
165°	710.0	709.8	709.5	709.3	709.2	709.3	709.5	709.6	709.7	710.2	710.7
167.5°	721.9	721.2	720.7	720.2	720.0	720.0	720.0	720.0	720.0	720.7	721.5
170°	728.2	727.7	727.2	726.7	726.5	726.5	726.5	726.5	726.5	727.2	728.0
172.5°	732.9	732.4	731.8	731.3	731.0	731.0	731.0	731.0	731.0	731.8	732.7
175°	738.0	737.5	737.0	736.5	736.3	736.3	736.3	736.3	736.3	737.0	737.8
177.5°	740.8	740.4	740.0	739.5	739.3	739.2	739.1	739.0	738.9	739.5	740.1
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



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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°	11.4	12.0	11.3	10.9	11.0	11.5	12.0
90°	11.1	11.8	12.3	12.7	13.0	13.4	13.8
92.5°	24.6	25.5	26.1	26.4	26.7	26.9	27.2
95°	47.1	48.0	48.5	48.8	49.1	49.3	49.6
97.5°	73.2	74.0	74.5	74.6	74.8	74.9	75.1
100°	91.6	92.7	93.4	93.7	94.0	94.2	94.5
102.5°	110.4	111.6	112.4	112.8	113.1	113.5	113.8
105°	140.0	140.8	141.4	141.7	142.1	142.5	142.9
107.5°	172.2	172.5	172.7	172.7	172.7	172.6	172.6
110°	194.7	195.1	195.2	195.1	195.0	194.8	194.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	217.1	217.3	217.3	217.1	216.8	216.6	216.4
115°	251.4	251.3	251.2	251.0	250.9	250.7	250.6
117.5°	286.2	286.3	286.1	285.6	285.1	284.6	284.0
120°	309.3	309.3	309.1	308.6	308.1	307.6	307.1
122.5°	332.1	332.0	331.7	331.3	330.9	330.5	330.1
125°	365.7	365.4	365.2	365.1	365.0	364.8	364.7
127.5°	399.2	399.1	398.9	398.6	398.4	398.1	397.9
130°	421.3	421.2	421.0	420.7	420.5	420.2	420.0
132.5°	442.5	442.4	442.1	441.8	441.4	441.1	440.7
135°	475.2	475.2	475.0	474.5	474.0	473.5	473.0
137.5°	507.2	507.4	507.2	506.4	505.8	505.2	504.5
140°	527.4	527.6	527.4	526.7	526.1	525.4	524.8
142.5°	546.8	546.9	546.7	546.1	545.4	544.8	544.2
145°	574.9	574.9	574.7	574.4	574.0	573.6	573.2
147.5°	601.5	601.8	601.5	600.6	599.8	598.8	598.0
150°	617.5	617.5	617.4	617.2	616.9	616.7	616.4
152.5°	633.3	633.6	633.5	633.0	632.6	632.1	631.7
155°	655.4	655.9	655.9	655.2	654.6	653.9	653.3
157.5°	674.4	674.9	674.8	673.9	673.1	672.3	671.4
160°	685.9	686.4	686.4	685.8	685.1	684.5	683.9
162.5°	696.8	697.5	697.4	696.7	695.9	695.2	694.4
165°	711.2	711.9	711.7	710.9	710.1	709.3	708.6
167.5°	722.4	723.1	723.1	722.3	721.4	720.6	719.9
170°	728.7	729.5	729.4	728.6	727.7	726.8	725.9
172.5°	733.4	734.2	734.2	733.4	732.6	731.7	730.9
175°	738.5	739.3	739.2	738.4	737.5	736.6	735.7
177.5°	740.7	741.3	741.3	740.6	739.9	739.1	738.4
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3

(END OF REPORT)