

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: P333680-930

Luminaire Tested: **S125RDIW-S850D470U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333680-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D470U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4200.8 lumens
Efficiency: N/A
Efficacy: 111.4 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

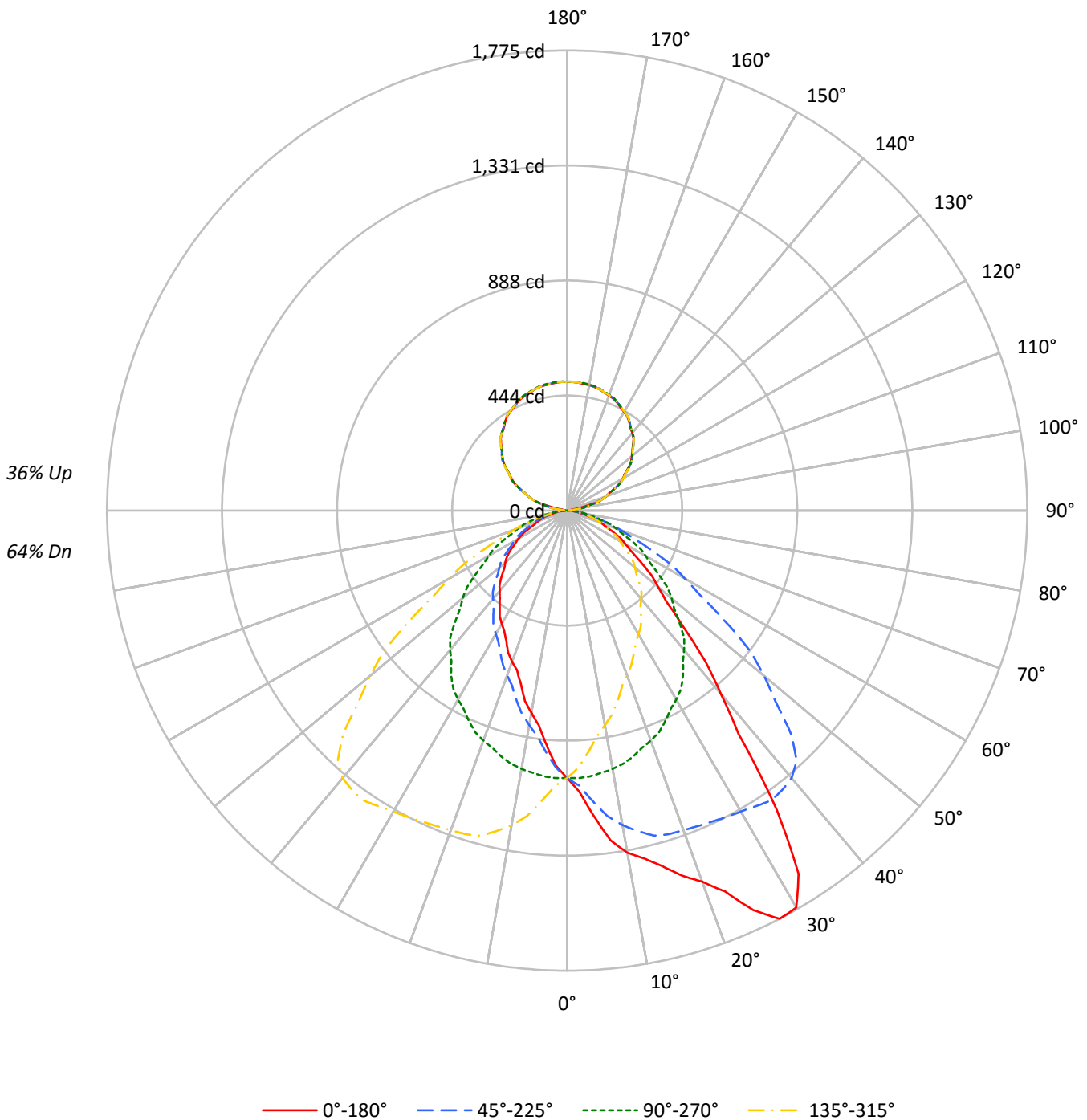
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	91	91	91	79	79	79	69	69	69	64
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	60	59	55
2	93	85	79	74	87	81	75	71	71	67	64	63	60	57	55	53	51	47
3	85	76	68	63	79	71	65	60	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	64	56	51	57	51	47	50	46	42	44	41	38	35
5	72	60	52	46	67	57	50	44	51	45	40	45	40	37	40	36	33	30
6	66	54	46	40	62	51	44	39	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	58	47	39	34	42	36	31	37	32	29	33	29	26	24
8	57	45	37	31	54	42	35	30	38	32	28	34	29	26	30	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	38	30	25	47	36	29	25	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6660	6660	6660	6660
5°	7662	6669	5890	6669
10°	8790	6635	5197	6635
15°	9494	6567	4619	6567
20°	10469	6488	4265	6488
25°	12115	6383	3958	6383
30°	13184	6272	3757	6272
35°	11121	6144	3572	6144
40°	7766	5914	3412	5914
45°	5761	5602	3255	5602
50°	4594	5279	3122	5279
55°	3899	4877	3003	4877
60°	3369	4517	2811	4517
65°	3001	4128	2419	4128
70°	2638	3780	2206	3780
75°	2283	3276	2071	3276
80°	1733	2756	1733	2756
85°	1445	2164	1630	2164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	2.4
10°-20°	289.8	6.9
20°-30°	459.5	10.9
30°-40°	554.1	13.2
40°-50°	494.9	11.8
50°-60°	379.5	9.0
60°-70°	246.6	5.9
70°-80°	119.9	2.9
80°-90°	29.7	0.7
90°-100°	18.1	0.4
100°-110°	111.4	2.7
110°-120°	202.1	4.8
120°-130°	259.4	6.2
130°-140°	279.0	6.6
140°-150°	261.9	6.2
150°-160°	211.8	5.0
160°-170°	137.0	3.3
170°-180°	47.3	1.1
0°-30°	848.2	20.2
0°-40°	1402.4	33.4
0°-60°	2276.7	54.2
0°-90°	2672.9	63.6
90°-120°	331.6	7.9
90°-150°	1131.8	26.9
90°-180°	1528.0	36.4
0°-180°	4200.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1031	1031	1031	1031	1031	
5°	1182	1029	908	1029	1182	118
15°	1420	982	691	982	1420	407
25°	1700	896	556	896	1700	781
35°	1410	779	453	779	1410	852
45°	631	613	356	613	631	503
55°	346	433	267	433	346	314
65°	196	270	158	270	196	195
75°	92	131	83	131	92	97
85°	20	29	22	29	20	23
90°	9	0	9	0	9	5
95°	8	21	8	21	8	6
105°	110	108	110	108	110	99
115°	202	204	202	204	202	201
125°	290	290	290	290	290	258
135°	360	361	360	361	360	278
145°	418	419	418	419	418	261
155°	458	461	458	461	458	211
165°	484	486	484	486	484	137
175°	495	498	495	498	495	47
180°	498	498	498	498	498	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1084.8	1084.1	1085.5	1081.7	1082.1	1076.3	1076.3	1071.9	1066.2	1061.8	1059.7
5°	1181.9	1182.8	1181.1	1174.8	1170.5	1164.2	1157.0	1144.3	1133.7	1123.6	1115.5
7.5°	1282.1	1282.6	1277.1	1275.1	1264.4	1256.6	1240.6	1223.4	1208.0	1188.5	1173.7
10°	1340.3	1339.9	1334.0	1329.3	1320.0	1308.1	1292.5	1272.1	1253.1	1231.9	1211.6
12.5°	1374.2	1373.0	1371.2	1365.5	1356.9	1346.4	1333.1	1313.1	1289.6	1266.5	1242.8
15°	1419.9	1416.9	1411.4	1404.2	1392.0	1379.6	1364.9	1347.1	1324.6	1298.4	1276.4
17.5°	1476.4	1476.5	1468.1	1458.1	1441.4	1419.8	1396.9	1368.2	1337.7	1308.8	1285.3
20°	1523.2	1521.9	1513.4	1494.0	1475.0	1447.8	1421.6	1386.4	1349.2	1311.5	1282.3
22.5°	1590.2	1587.0	1578.2	1552.6	1523.1	1488.2	1448.0	1405.1	1360.0	1317.3	1279.0
25°	1700.1	1697.6	1680.3	1650.7	1609.2	1555.3	1502.8	1444.1	1379.2	1323.0	1276.4
27.5°	1775.3	1772.5	1759.7	1735.0	1696.8	1640.2	1569.1	1490.5	1409.7	1332.2	1265.0
30°	1767.9	1774.3	1772.5	1761.1	1732.3	1681.6	1615.9	1527.5	1431.3	1340.3	1260.3
32.5°	1661.5	1667.2	1682.1	1704.5	1706.3	1686.0	1636.9	1555.2	1455.7	1352.2	1256.5
35°	1410.5	1418.2	1447.0	1492.3	1551.5	1601.1	1611.3	1567.2	1477.9	1366.5	1251.0
37.5°	1084.4	1126.1	1150.3	1198.0	1287.5	1378.7	1466.3	1498.5	1460.5	1360.7	1241.9
40°	921.2	931.3	974.5	1028.3	1103.7	1198.5	1323.4	1413.6	1416.5	1347.1	1227.7
42.5°	788.4	801.3	831.0	873.8	938.4	1033.2	1162.1	1281.2	1336.3	1309.9	1209.1
45°	630.8	640.5	662.1	695.1	744.7	823.0	933.9	1071.5	1180.7	1223.4	1159.1
47.5°	518.2	523.4	542.3	567.4	604.1	661.1	747.0	866.4	997.4	1089.2	1080.2
50°	457.2	463.2	477.5	496.6	527.5	575.8	644.3	743.8	878.9	991.1	1013.5
52.5°	409.8	414.7	423.7	441.7	467.2	504.3	559.6	649.6	771.2	890.5	942.3
55°	346.3	349.7	356.9	367.0	387.3	414.0	461.9	524.1	622.3	742.6	818.7
57.5°	294.0	295.6	300.3	309.7	323.7	343.2	377.7	430.5	500.9	609.2	693.2
60°	260.8	262.4	268.4	274.8	285.8	303.5	330.6	367.5	435.2	524.5	609.6
62.5°	234.4	235.4	237.9	244.3	253.9	267.7	288.9	319.0	372.9	451.3	531.7
65°	196.4	196.9	197.7	202.8	208.7	218.9	232.8	254.0	294.6	353.9	425.0
67.5°	160.0	160.6	163.5	165.3	171.5	176.8	185.1	201.3	229.9	269.9	325.1
70°	139.7	139.3	142.3	144.4	146.5	152.8	158.3	171.5	189.2	219.7	265.9
72.5°	120.7	119.6	120.9	121.6	124.5	128.8	134.3	142.4	156.0	177.0	212.4
75°	91.5	91.9	91.9	92.7	94.8	96.5	98.2	102.5	110.1	124.0	143.1
77.5°	64.2	63.5	65.3	65.6	66.8	68.6	70.1	71.8	74.9	80.7	90.5
80°	46.6	46.6	47.0	48.3	47.9	48.7	50.8	52.5	56.3	59.7	63.1
82.5°	35.7	35.4	35.8	36.0	36.0	36.9	37.6	37.9	39.4	41.1	43.5
85°	19.5	19.5	19.9	19.9	20.3	20.3	20.7	20.7	20.7	21.2	21.6
87.5°	9.2	8.8	8.5	8.4	8.7	9.3	8.9	8.5	8.4	8.3	8.5
90°	8.9	8.6	8.4	8.2	7.9	7.5	7.1	6.7	6.3	5.9	5.3
92.5°	8.2	8.2	8.1	7.9	7.8	7.5	7.1	6.7	6.3	5.9	5.4
95°	7.7	7.7	7.7	7.7	7.7	7.5	7.1	6.7	6.3	5.9	9.0
97.5°	7.7	7.7	7.7	7.7	7.7	8.9	11.3	13.5	15.8	18.2	24.3
100°	7.7	8.1	8.4	8.7	9.0	15.3	27.6	39.8	51.9	64.2	63.8
102.5°	46.4	51.9	57.6	63.1	68.7	72.6	74.9	77.3	79.6	81.9	81.7
105°	109.6	109.7	109.7	109.8	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.1	138.4	138.6	138.8	139.1	139.2	139.2	139.2	139.2	139.1	138.9
110°	157.8	157.8	157.7	157.6	157.5	157.6	157.8	158.1	158.3	158.6	158.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	175.5	175.7	175.8	175.9	176.0	176.3	176.5	176.8	177.2	177.5	177.4
115°	202.1	202.6	203.1	203.6	204.1	204.5	204.8	205.1	205.5	205.8	205.7
117.5°	230.5	230.6	230.9	231.1	231.3	231.6	232.0	232.4	232.9	233.3	233.0
120°	247.9	248.3	248.7	249.1	249.5	249.8	250.0	250.1	250.3	250.5	250.2
122.5°	264.4	264.9	265.3	265.8	266.3	266.6	266.8	266.9	267.1	267.3	267.2
125°	289.5	289.8	290.0	290.2	290.5	290.8	291.1	291.5	291.8	292.1	292.1
127.5°	310.7	311.3	311.9	312.5	313.2	313.6	313.7	313.9	314.1	314.2	314.3
130°	326.0	326.4	326.9	327.3	327.7	328.0	328.2	328.5	328.7	329.0	328.9
132.5°	340.2	340.6	341.0	341.4	341.9	342.1	342.1	342.2	342.3	342.3	342.4
135°	359.6	360.1	360.6	361.1	361.6	361.9	362.1	362.2	362.4	362.6	362.7
137.5°	379.1	379.5	379.9	380.3	380.8	381.0	381.0	380.9	380.9	380.8	381.0
140°	390.6	391.1	391.6	392.1	392.6	392.7	392.6	392.4	392.2	392.1	392.2
142.5°	401.5	402.0	402.5	403.0	403.5	403.7	403.7	403.7	403.6	403.6	403.5
145°	417.5	418.0	418.5	419.0	419.5	419.7	419.6	419.6	419.5	419.4	419.4
147.5°	430.7	431.3	431.9	432.5	433.1	433.3	433.3	433.2	433.0	432.9	432.8
150°	439.3	439.9	440.6	441.2	441.9	442.1	442.0	441.8	441.6	441.5	441.3
152.5°	447.3	447.8	448.4	449.0	449.6	449.8	449.6	449.5	449.3	449.1	449.0
155°	457.7	458.4	459.0	459.7	460.3	460.6	460.3	460.1	459.8	459.6	459.4
157.5°	466.5	467.2	467.8	468.5	469.1	469.3	469.0	468.8	468.6	468.3	468.2
160°	472.1	472.8	473.4	474.1	474.7	474.9	474.6	474.3	473.9	473.6	473.5
162.5°	477.1	477.8	478.6	479.3	480.0	480.1	479.7	479.2	478.7	478.3	478.3
165°	483.9	484.5	485.2	485.9	486.6	486.7	486.2	485.7	485.1	484.6	484.5
167.5°	488.6	489.3	490.1	490.8	491.6	491.6	491.1	490.5	489.9	489.3	489.2
170°	491.3	492.0	492.8	493.5	494.2	494.3	493.7	492.9	492.3	491.6	491.5
172.5°	493.1	493.8	494.6	495.3	496.0	496.1	495.5	494.9	494.3	493.7	493.6
175°	495.4	496.1	496.8	497.6	498.3	498.3	497.7	497.0	496.4	495.7	495.6
177.5°	496.7	497.2	497.7	498.2	498.8	498.8	498.3	497.9	497.4	497.0	496.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1059.7	1057.4	1053.0	1048.9	1043.8	1039.4	1036.3	1032.7	1027.8	1022.1	1017.4
5°	1106.6	1097.3	1085.0	1074.5	1060.9	1050.4	1039.3	1028.7	1018.1	1004.6	992.7
7.5°	1158.6	1139.4	1120.7	1097.1	1075.8	1056.7	1038.4	1019.9	1001.8	982.6	964.0
10°	1190.4	1167.2	1141.3	1111.7	1084.6	1058.7	1035.1	1011.8	987.2	965.6	942.3
12.5°	1220.3	1190.2	1160.7	1123.2	1090.7	1059.2	1029.0	1000.0	973.7	945.7	920.7
15°	1247.2	1217.6	1184.5	1138.8	1093.5	1055.4	1019.9	982.2	949.6	918.3	890.3
17.5°	1257.6	1226.5	1188.1	1144.2	1094.7	1046.8	1000.9	959.6	921.3	884.8	853.4
20°	1253.5	1223.4	1184.1	1142.2	1089.2	1039.3	989.8	944.0	901.3	862.7	829.3
22.5°	1243.7	1212.6	1174.6	1130.3	1080.1	1027.1	974.2	925.4	880.6	840.7	804.3
25°	1229.0	1186.7	1147.7	1104.5	1056.6	1004.2	949.6	895.8	848.0	807.3	767.5
27.5°	1213.7	1160.8	1111.3	1068.4	1017.8	970.9	918.4	863.2	812.9	771.5	730.7
30°	1199.8	1140.5	1085.9	1037.2	989.4	944.9	895.0	841.1	789.5	746.8	705.3
32.5°	1182.5	1119.5	1059.5	1003.3	957.2	913.1	867.9	816.4	766.1	722.0	679.9
35°	1160.8	1080.4	1015.2	955.4	904.2	861.5	820.8	779.3	729.0	683.3	642.2
37.5°	1132.4	1041.1	965.6	900.7	846.6	803.6	771.6	733.7	687.7	643.9	605.8
40°	1115.1	1012.6	930.1	865.8	809.0	763.7	733.7	701.5	659.6	618.5	580.4
42.5°	1092.1	986.6	894.2	827.1	770.1	726.4	696.0	668.0	632.8	594.1	553.3
45°	1046.9	936.0	839.1	767.1	709.6	666.8	638.4	613.4	586.8	551.2	515.6
47.5°	988.1	883.3	781.8	703.3	646.9	607.2	579.7	559.9	540.9	510.6	476.1
50°	941.1	839.9	740.9	664.6	604.5	566.9	541.0	525.4	508.0	480.5	451.7
52.5°	885.6	795.2	698.1	620.3	563.5	528.2	503.4	487.8	473.4	451.0	423.6
55°	798.0	718.8	629.9	559.2	507.2	471.6	447.9	433.1	424.6	405.5	384.0
57.5°	697.0	640.3	561.8	493.7	447.7	412.5	395.2	382.5	373.0	359.5	344.3
60°	626.6	586.8	516.5	451.7	409.4	375.9	360.3	349.7	340.8	329.4	317.5
62.5°	555.1	526.1	465.0	409.4	370.4	342.4	327.8	318.2	307.9	300.3	288.7
65°	459.3	433.5	391.2	347.6	311.6	289.1	278.6	270.1	263.7	255.3	247.2
67.5°	357.3	346.8	317.6	287.6	261.7	241.7	232.6	226.7	219.1	213.9	208.5
70°	294.6	289.6	268.8	248.9	224.8	211.2	202.8	200.2	190.9	185.9	182.1
72.5°	239.1	236.8	224.8	211.0	194.0	182.1	174.3	171.5	165.5	161.4	159.0
75°	163.8	164.7	162.6	153.7	147.3	139.7	132.9	131.3	127.0	123.6	121.5
77.5°	103.6	107.9	108.1	107.7	105.2	100.5	97.7	96.4	92.3	91.0	90.5
80°	71.1	75.7	80.0	79.6	78.8	77.5	75.3	74.1	72.0	70.7	69.9
82.5°	47.5	51.8	55.3	57.6	57.4	56.2	54.7	54.1	53.6	52.7	52.6
85°	22.4	23.3	24.5	27.6	29.6	30.1	29.6	29.2	28.0	28.4	28.8
87.5°	8.7	8.6	8.9	8.7	8.2	9.8	10.7	10.9	10.4	9.8	9.3
90°	4.7	4.2	3.6	3.0	2.4	1.7	1.1	0.4	1.1	1.7	2.4
92.5°	4.9	4.4	3.8	3.8	4.3	4.7	5.2	5.7	5.2	4.7	4.3
95°	12.1	15.2	18.3	20.1	20.3	20.5	20.8	21.0	20.8	20.5	20.3
97.5°	30.5	36.6	42.8	45.7	45.2	44.8	44.4	43.9	44.4	44.8	45.2
100°	63.5	63.2	62.9	62.6	62.4	62.1	61.9	61.6	61.9	62.1	62.4
102.5°	81.4	81.3	81.1	80.9	80.6	80.2	79.9	79.6	79.9	80.2	80.6
105°	109.9	109.9	109.9	109.7	109.4	109.1	108.8	108.4	108.8	109.1	109.4
107.5°	138.8	138.6	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4
110°	158.2	158.1	157.9	157.8	157.8	157.8	157.8	157.8	157.8	157.8	157.8



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	177.3	177.2	177.1	176.9	176.8	176.5	176.3	176.2	176.3	176.5	176.8
115°	205.6	205.5	205.5	205.2	204.8	204.4	204.0	203.6	204.0	204.4	204.8
117.5°	232.7	232.4	232.1	232.0	232.0	232.0	232.0	232.0	232.0	232.0	232.0
120°	250.0	249.7	249.5	249.4	249.5	249.6	249.6	249.7	249.6	249.6	249.5
122.5°	267.0	266.9	266.8	266.6	266.3	266.0	265.6	265.4	265.6	266.0	266.3
125°	292.1	292.1	292.1	291.8	291.2	290.7	290.1	289.5	290.1	290.7	291.2
127.5°	314.4	314.4	314.5	314.3	313.9	313.5	313.1	312.6	313.1	313.5	313.9
130°	328.8	328.7	328.6	328.4	328.0	327.6	327.2	326.8	327.2	327.6	328.0
132.5°	342.7	342.8	343.0	342.8	342.3	341.9	341.4	341.0	341.4	341.9	342.3
135°	362.9	363.1	363.2	363.1	362.6	362.1	361.6	361.1	361.6	362.1	362.6
137.5°	381.2	381.3	381.5	381.3	380.9	380.4	380.0	379.6	380.0	380.4	380.9
140°	392.2	392.3	392.4	392.3	392.2	392.0	391.8	391.7	391.8	392.0	392.2
142.5°	403.3	403.2	403.1	403.0	402.9	402.8	402.8	402.6	402.8	402.8	402.9
145°	419.4	419.4	419.4	419.3	419.1	419.0	418.8	418.7	418.8	419.0	419.1
147.5°	432.8	432.7	432.5	432.5	432.5	432.6	432.6	432.7	432.6	432.6	432.5
150°	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5	441.3	441.2	441.0
152.5°	448.8	448.7	448.5	448.6	449.0	449.3	449.7	450.0	449.7	449.3	449.0
155°	459.3	459.1	458.9	459.1	459.6	460.1	460.6	461.1	460.6	460.1	459.6
157.5°	468.2	468.2	468.2	468.3	468.6	469.0	469.2	469.5	469.2	469.0	468.6
160°	473.4	473.4	473.3	473.4	473.9	474.4	474.9	475.4	474.9	474.4	473.9
162.5°	478.2	478.1	478.0	478.2	478.7	479.2	479.6	480.1	479.6	479.2	478.7
165°	484.5	484.4	484.3	484.5	485.0	485.5	486.0	486.5	486.0	485.5	485.0
167.5°	489.1	489.0	488.9	489.2	489.7	490.2	490.7	491.2	490.7	490.2	489.7
170°	491.5	491.4	491.3	491.5	492.1	492.7	493.3	493.9	493.3	492.7	492.1
172.5°	493.4	493.3	493.2	493.3	493.9	494.5	495.0	495.6	495.0	494.5	493.9
175°	495.5	495.5	495.4	495.6	496.1	496.6	497.1	497.6	497.1	496.6	496.1
177.5°	496.8	496.8	496.7	496.8	497.3	497.7	498.1	498.5	498.1	497.7	497.3
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1014.0	1009.3	1005.8	999.1	994.3	992.3	988.6	987.6	991.3	988.6	988.2
5°	983.8	971.6	961.8	952.1	941.5	934.7	924.5	922.9	920.3	916.6	915.7
7.5°	947.7	931.7	919.2	903.1	889.1	877.8	865.1	859.2	855.8	850.9	844.3
10°	923.3	904.2	887.3	871.2	853.9	839.9	827.2	817.5	811.1	805.2	802.7
12.5°	899.3	879.9	858.2	838.7	819.4	803.6	789.6	783.3	776.2	769.3	763.4
15°	861.9	836.1	812.4	789.9	773.5	756.5	743.0	733.7	723.1	720.1	708.7
17.5°	822.3	797.0	769.2	745.6	726.4	707.8	692.9	682.3	674.4	663.5	658.2
20°	797.6	767.5	740.5	718.8	697.7	675.6	660.4	651.5	643.9	635.0	630.8
22.5°	771.2	741.8	714.0	688.7	667.2	645.6	634.7	625.4	616.8	608.6	603.0
25°	732.4	702.8	673.5	647.3	624.8	609.2	596.5	585.9	581.2	573.2	567.3
27.5°	694.1	662.5	632.2	606.1	588.5	573.0	562.6	554.2	545.8	538.7	533.6
30°	669.3	637.2	604.1	583.3	564.8	549.9	538.5	530.4	524.1	517.7	514.0
32.5°	644.6	611.4	582.1	559.6	542.0	529.3	517.5	509.8	503.1	496.1	491.6
35°	605.0	571.1	547.4	525.4	508.0	496.2	488.1	477.1	471.6	466.5	461.9
37.5°	568.1	536.6	510.9	491.7	476.6	464.8	454.4	448.5	441.7	437.2	433.3
40°	541.0	512.3	488.9	468.6	457.6	444.5	434.8	427.1	422.1	416.1	411.9
42.5°	516.7	489.9	467.2	449.0	435.3	424.2	414.8	407.2	400.7	396.5	393.0
45°	482.2	455.5	433.5	416.5	403.9	393.3	383.5	379.8	371.3	366.2	364.5
47.5°	446.5	422.7	401.5	385.8	372.8	362.8	353.7	345.8	341.2	336.2	333.5
50°	422.5	399.7	379.8	364.5	351.8	340.8	332.3	327.3	320.9	316.3	312.8
52.5°	398.4	377.3	357.4	342.8	331.8	320.8	311.4	306.2	300.3	297.3	294.9
55°	364.1	341.6	324.7	310.3	298.9	288.7	279.8	274.8	270.9	268.0	267.1
57.5°	325.1	307.4	291.6	278.7	266.8	257.2	249.4	244.6	241.2	240.8	238.2
60°	299.7	283.6	269.2	255.3	245.1	236.2	229.4	224.0	220.5	220.1	219.3
62.5°	274.3	258.9	245.6	233.3	224.1	215.6	209.1	202.9	200.9	198.8	197.0
65°	236.7	222.7	211.7	201.9	192.2	185.0	178.6	174.8	170.2	167.6	163.0
67.5°	199.7	188.8	178.2	170.0	162.4	155.6	150.3	144.6	141.5	139.4	136.1
70°	175.3	166.8	156.2	147.3	141.4	135.9	131.7	125.3	123.2	121.5	119.8
72.5°	152.2	144.8	135.9	128.7	122.8	117.6	112.7	109.7	107.6	105.9	104.9
75°	119.8	112.6	105.0	99.9	95.7	91.5	88.9	86.7	85.9	85.5	83.8
77.5°	88.0	84.1	78.0	74.0	71.2	69.5	67.3	66.1	66.0	64.2	63.6
80°	67.3	65.2	60.1	58.5	56.3	54.6	53.3	51.2	49.1	48.3	47.0
82.5°	50.1	47.9	45.9	43.2	41.4	40.4	39.1	38.3	38.6	37.4	36.9
85°	26.7	24.5	23.7	23.3	22.4	23.3	22.8	22.4	22.0	21.6	22.0
87.5°	9.0	9.2	9.0	9.8	8.9	9.3	9.4	9.1	9.2	9.3	9.0
90°	3.0	3.6	4.2	4.7	5.3	5.9	6.3	6.7	7.1	7.5	7.9
92.5°	3.8	3.8	4.4	4.9	5.4	5.9	6.3	6.7	7.1	7.5	7.8
95°	20.1	18.3	15.2	12.1	9.0	5.9	6.3	6.7	7.1	7.5	7.7
97.5°	45.7	42.8	36.6	30.5	24.3	18.2	15.8	13.5	11.3	8.9	7.7
100°	62.6	62.9	63.2	63.5	63.8	64.2	51.9	39.8	27.6	15.3	9.0
102.5°	80.9	81.1	81.3	81.4	81.7	81.9	79.6	77.3	74.9	72.6	68.7
105°	109.7	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.4	138.4	138.6	138.8	138.9	139.1	139.2	139.2	139.2	139.2	139.1
110°	157.8	157.9	158.1	158.2	158.4	158.6	158.3	158.1	157.8	157.6	157.5



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	176.9	177.1	177.2	177.3	177.4	177.5	177.2	176.8	176.5	176.3	176.0
115°	205.2	205.5	205.5	205.6	205.7	205.8	205.5	205.1	204.8	204.5	204.1
117.5°	232.0	232.1	232.4	232.7	233.0	233.3	232.9	232.4	232.0	231.6	231.3
120°	249.4	249.5	249.7	250.0	250.2	250.5	250.3	250.1	250.0	249.8	249.5
122.5°	266.6	266.8	266.9	267.0	267.2	267.3	267.1	266.9	266.8	266.6	266.3
125°	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.5	291.1	290.8	290.5
127.5°	314.3	314.5	314.4	314.4	314.3	314.2	314.1	313.9	313.7	313.6	313.2
130°	328.4	328.6	328.7	328.8	328.9	329.0	328.7	328.5	328.2	328.0	327.7
132.5°	342.8	343.0	342.8	342.7	342.4	342.3	342.3	342.2	342.1	342.1	341.9
135°	363.1	363.2	363.1	362.9	362.7	362.6	362.4	362.2	362.1	361.9	361.6
137.5°	381.3	381.5	381.3	381.2	381.0	380.8	380.9	380.9	381.0	381.0	380.8
140°	392.3	392.4	392.3	392.2	392.2	392.1	392.2	392.4	392.6	392.7	392.6
142.5°	403.0	403.1	403.2	403.3	403.5	403.6	403.6	403.7	403.7	403.7	403.5
145°	419.3	419.4	419.4	419.4	419.4	419.4	419.5	419.6	419.6	419.7	419.5
147.5°	432.5	432.5	432.7	432.8	432.8	432.9	433.0	433.2	433.3	433.3	433.1
150°	440.8	440.8	441.0	441.2	441.3	441.5	441.6	441.8	442.0	442.1	441.9
152.5°	448.6	448.5	448.7	448.8	449.0	449.1	449.3	449.5	449.6	449.8	449.6
155°	459.1	458.9	459.1	459.3	459.4	459.6	459.8	460.1	460.3	460.6	460.3
157.5°	468.3	468.2	468.2	468.2	468.2	468.3	468.6	468.8	469.0	469.3	469.1
160°	473.4	473.3	473.4	473.4	473.5	473.6	473.9	474.3	474.6	474.9	474.7
162.5°	478.2	478.0	478.1	478.2	478.3	478.3	478.7	479.2	479.7	480.1	480.0
165°	484.5	484.3	484.4	484.5	484.5	484.6	485.1	485.7	486.2	486.7	486.6
167.5°	489.2	488.9	489.0	489.1	489.2	489.3	489.9	490.5	491.1	491.6	491.6
170°	491.5	491.3	491.4	491.5	491.5	491.6	492.3	492.9	493.7	494.3	494.2
172.5°	493.3	493.2	493.3	493.4	493.6	493.7	494.3	494.9	495.5	496.1	496.0
175°	495.6	495.4	495.5	495.5	495.6	495.7	496.4	497.0	497.7	498.3	498.3
177.5°	496.8	496.7	496.8	496.8	496.9	497.0	497.4	497.9	498.3	498.8	498.8
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	987.9	984.2	983.2	984.6	983.2	984.2	987.9	988.2	988.6	991.3	987.6
5°	911.4	907.3	909.3	908.5	909.3	907.3	911.4	915.7	916.6	920.3	922.9
7.5°	844.2	838.9	833.4	835.2	833.4	838.9	844.2	844.3	850.9	855.8	859.2
10°	797.1	793.0	790.4	792.5	790.4	793.0	797.1	802.7	805.2	811.1	817.5
12.5°	757.5	755.0	752.8	751.9	752.8	755.0	757.5	763.4	769.3	776.2	783.3
15°	703.6	698.5	696.4	690.9	696.4	698.5	703.6	708.7	720.1	723.1	733.7
17.5°	653.9	652.2	646.7	644.3	646.7	652.2	653.9	658.2	663.5	674.4	682.3
20°	624.4	622.7	617.3	620.6	617.3	622.7	624.4	630.8	635.0	643.9	651.5
22.5°	600.1	596.3	594.5	593.5	594.5	596.3	600.1	603.0	608.6	616.8	625.4
25°	565.6	560.1	558.0	555.5	558.0	560.1	565.6	567.3	573.2	581.2	585.9
27.5°	531.2	528.2	525.5	524.8	525.5	528.2	531.2	533.6	538.7	545.8	554.2
30°	508.8	505.9	503.8	503.8	503.8	505.9	508.8	514.0	517.7	524.1	530.4
32.5°	488.9	486.6	484.5	484.1	484.5	486.6	488.9	491.6	496.1	503.1	509.8
35°	459.7	456.4	455.5	453.0	455.5	456.4	459.7	461.9	466.5	471.6	477.1
37.5°	429.5	426.7	426.6	426.4	426.6	426.7	429.5	433.3	437.2	441.7	448.5
40°	410.3	408.1	407.6	404.7	407.6	408.1	410.3	411.9	416.1	422.1	427.1
42.5°	389.6	388.5	387.0	385.7	387.0	388.5	389.6	393.0	396.5	400.7	407.2
45°	361.5	358.6	358.6	356.4	358.6	358.6	361.5	364.5	366.2	371.3	379.8
47.5°	332.6	330.3	330.5	328.3	330.5	330.3	332.6	333.5	336.2	341.2	345.8
50°	313.2	312.0	311.6	310.7	311.6	312.0	313.2	312.8	316.3	320.9	327.3
52.5°	294.0	293.3	295.0	293.1	295.0	293.3	294.0	294.9	297.3	300.3	306.2
55°	268.0	266.7	269.2	266.7	269.2	266.7	268.0	267.1	268.0	270.9	274.8
57.5°	238.1	236.9	239.2	237.9	239.2	236.9	238.1	238.2	240.8	241.2	244.6
60°	218.4	215.9	217.2	217.6	217.2	215.9	218.4	219.3	220.1	220.5	224.0
62.5°	195.1	193.6	194.4	192.6	194.4	193.6	195.1	197.0	198.8	200.9	202.9
65°	162.2	160.9	159.1	158.3	159.1	160.9	162.2	163.0	167.6	170.2	174.8
67.5°	136.2	133.2	133.1	133.8	133.1	133.2	136.2	136.1	139.4	141.5	144.6
70°	117.2	117.2	116.8	116.8	116.8	117.2	117.2	119.8	121.5	123.2	125.3
72.5°	104.0	103.7	103.0	102.6	103.0	103.7	104.0	104.9	105.9	107.6	109.7
75°	83.8	84.2	83.4	83.0	83.4	84.2	83.8	83.8	85.5	85.9	86.7
77.5°	61.9	60.1	61.1	60.1	61.1	60.1	61.9	63.6	64.2	66.0	66.1
80°	47.0	46.6	47.9	46.6	47.9	46.6	47.0	47.0	48.3	49.1	51.2
82.5°	37.2	36.8	37.3	36.4	37.3	36.8	37.2	36.9	37.4	38.6	38.3
85°	22.4	22.0	21.6	22.0	21.6	22.0	22.4	22.0	21.6	22.0	22.4
87.5°	9.4	9.1	9.1	9.2	9.1	9.1	9.4	9.0	9.3	9.2	9.1
90°	8.2	8.4	8.6	8.9	8.6	8.4	8.2	7.9	7.5	7.1	6.7
92.5°	7.9	8.1	8.2	8.2	8.2	8.1	7.9	7.8	7.5	7.1	6.7
95°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5	7.1	6.7
97.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.9	11.3	13.5
100°	8.7	8.4	8.1	7.7	8.1	8.4	8.7	9.0	15.3	27.6	39.8
102.5°	63.1	57.6	51.9	46.4	51.9	57.6	63.1	68.7	72.6	74.9	77.3
105°	109.8	109.7	109.7	109.6	109.7	109.7	109.8	109.9	109.9	109.9	109.9
107.5°	138.8	138.6	138.4	138.1	138.4	138.6	138.8	139.1	139.2	139.2	139.2
110°	157.6	157.7	157.8	157.8	157.8	157.7	157.6	157.5	157.6	157.8	158.1



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	175.9	175.8	175.7	175.5	175.7	175.8	175.9	176.0	176.3	176.5	176.8
115°	203.6	203.1	202.6	202.1	202.6	203.1	203.6	204.1	204.5	204.8	205.1
117.5°	231.1	230.9	230.6	230.5	230.6	230.9	231.1	231.3	231.6	232.0	232.4
120°	249.1	248.7	248.3	247.9	248.3	248.7	249.1	249.5	249.8	250.0	250.1
122.5°	265.8	265.3	264.9	264.4	264.9	265.3	265.8	266.3	266.6	266.8	266.9
125°	290.2	290.0	289.8	289.5	289.8	290.0	290.2	290.5	290.8	291.1	291.5
127.5°	312.5	311.9	311.3	310.7	311.3	311.9	312.5	313.2	313.6	313.7	313.9
130°	327.3	326.9	326.4	326.0	326.4	326.9	327.3	327.7	328.0	328.2	328.5
132.5°	341.4	341.0	340.6	340.2	340.6	341.0	341.4	341.9	342.1	342.1	342.2
135°	361.1	360.6	360.1	359.6	360.1	360.6	361.1	361.6	361.9	362.1	362.2
137.5°	380.3	379.9	379.5	379.1	379.5	379.9	380.3	380.8	381.0	381.0	380.9
140°	392.1	391.6	391.1	390.6	391.1	391.6	392.1	392.6	392.7	392.6	392.4
142.5°	403.0	402.5	402.0	401.5	402.0	402.5	403.0	403.5	403.7	403.7	403.7
145°	419.0	418.5	418.0	417.5	418.0	418.5	419.0	419.5	419.7	419.6	419.6
147.5°	432.5	431.9	431.3	430.7	431.3	431.9	432.5	433.1	433.3	433.3	433.2
150°	441.2	440.6	439.9	439.3	439.9	440.6	441.2	441.9	442.1	442.0	441.8
152.5°	449.0	448.4	447.8	447.3	447.8	448.4	449.0	449.6	449.8	449.6	449.5
155°	459.7	459.0	458.4	457.7	458.4	459.0	459.7	460.3	460.6	460.3	460.1
157.5°	468.5	467.8	467.2	466.5	467.2	467.8	468.5	469.1	469.3	469.0	468.8
160°	474.1	473.4	472.8	472.1	472.8	473.4	474.1	474.7	474.9	474.6	474.3
162.5°	479.3	478.6	477.8	477.1	477.8	478.6	479.3	480.0	480.1	479.7	479.2
165°	485.9	485.2	484.5	483.9	484.5	485.2	485.9	486.6	486.7	486.2	485.7
167.5°	490.8	490.1	489.3	488.6	489.3	490.1	490.8	491.6	491.6	491.1	490.5
170°	493.5	492.8	492.0	491.3	492.0	492.8	493.5	494.2	494.3	493.7	492.9
172.5°	495.3	494.6	493.8	493.1	493.8	494.6	495.3	496.0	496.1	495.5	494.9
175°	497.6	496.8	496.1	495.4	496.1	496.8	497.6	498.3	498.3	497.7	497.0
177.5°	498.2	497.7	497.2	496.7	497.2	497.7	498.2	498.8	498.8	498.3	497.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	988.6	992.3	994.3	999.1	1005.8	1009.3	1014.0	1017.4	1022.1	1027.8	1032.7
5°	924.5	934.7	941.5	952.1	961.8	971.6	983.8	992.7	1004.6	1018.1	1028.7
7.5°	865.1	877.8	889.1	903.1	919.2	931.7	947.7	964.0	982.6	1001.8	1019.9
10°	827.2	839.9	853.9	871.2	887.3	904.2	923.3	942.3	965.6	987.2	1011.8
12.5°	789.6	803.6	819.4	838.7	858.2	879.9	899.3	920.7	945.7	973.7	1000.0
15°	743.0	756.5	773.5	789.9	812.4	836.1	861.9	890.3	918.3	949.6	982.2
17.5°	692.9	707.8	726.4	745.6	769.2	797.0	822.3	853.4	884.8	921.3	959.6
20°	660.4	675.6	697.7	718.8	740.5	767.5	797.6	829.3	862.7	901.3	944.0
22.5°	634.7	645.6	667.2	688.7	714.0	741.8	771.2	804.3	840.7	880.6	925.4
25°	596.5	609.2	624.8	647.3	673.5	702.8	732.4	767.5	807.3	848.0	895.8
27.5°	562.6	573.0	588.5	606.1	632.2	662.5	694.1	730.7	771.5	812.9	863.2
30°	538.5	549.9	564.8	583.3	604.1	637.2	669.3	705.3	746.8	789.5	841.1
32.5°	517.5	529.3	542.0	559.6	582.1	611.4	644.6	679.9	722.0	766.1	816.4
35°	488.1	496.2	508.0	525.4	547.4	571.1	605.0	642.2	683.3	729.0	779.3
37.5°	454.4	464.8	476.6	491.7	510.9	536.6	568.1	605.8	643.9	687.7	733.7
40°	434.8	444.5	457.6	468.6	488.9	512.3	541.0	580.4	618.5	659.6	701.5
42.5°	414.8	424.2	435.3	449.0	467.2	489.9	516.7	553.3	594.1	632.8	668.0
45°	383.5	393.3	403.9	416.5	433.5	455.5	482.2	515.6	551.2	586.8	613.4
47.5°	353.7	362.8	372.8	385.8	401.5	422.7	446.5	476.1	510.6	540.9	559.9
50°	332.3	340.8	351.8	364.5	379.8	399.7	422.5	451.7	480.5	508.0	525.4
52.5°	311.4	320.8	331.8	342.8	357.4	377.3	398.4	423.6	451.0	473.4	487.8
55°	279.8	288.7	298.9	310.3	324.7	341.6	364.1	384.0	405.5	424.6	433.1
57.5°	249.4	257.2	266.8	278.7	291.6	307.4	325.1	344.3	359.5	373.0	382.5
60°	229.4	236.2	245.1	255.3	269.2	283.6	299.7	317.5	329.4	340.8	349.7
62.5°	209.1	215.6	224.1	233.3	245.6	258.9	274.3	288.7	300.3	307.9	318.2
65°	178.6	185.0	192.2	201.9	211.7	222.7	236.7	247.2	255.3	263.7	270.1
67.5°	150.3	155.6	162.4	170.0	178.2	188.8	199.7	208.5	213.9	219.1	226.7
70°	131.7	135.9	141.4	147.3	156.2	166.8	175.3	182.1	185.9	190.9	200.2
72.5°	112.7	117.6	122.8	128.7	135.9	144.8	152.2	159.0	161.4	165.5	171.5
75°	88.9	91.5	95.7	99.9	105.0	112.6	119.8	121.5	123.6	127.0	131.3
77.5°	67.3	69.5	71.2	74.0	78.0	84.1	88.0	90.5	91.0	92.3	96.4
80°	53.3	54.6	56.3	58.5	60.1	65.2	67.3	69.9	70.7	72.0	74.1
82.5°	39.1	40.4	41.4	43.2	45.9	47.9	50.1	52.6	52.7	53.6	54.1
85°	22.8	23.3	22.4	23.3	23.7	24.5	26.7	28.8	28.4	28.0	29.2
87.5°	9.4	9.3	8.9	9.8	9.0	9.2	9.0	9.3	9.8	10.4	10.9
90°	6.3	5.9	5.3	4.7	4.2	3.6	3.0	2.4	1.7	1.1	0.4
92.5°	6.3	5.9	5.4	4.9	4.4	3.8	3.8	4.3	4.7	5.2	5.7
95°	6.3	5.9	9.0	12.1	15.2	18.3	20.1	20.3	20.5	20.8	21.0
97.5°	15.8	18.2	24.3	30.5	36.6	42.8	45.7	45.2	44.8	44.4	43.9
100°	51.9	64.2	63.8	63.5	63.2	62.9	62.6	62.4	62.1	61.9	61.6
102.5°	79.6	81.9	81.7	81.4	81.3	81.1	80.9	80.6	80.2	79.9	79.6
105°	109.9	109.9	109.9	109.9	109.9	109.9	109.7	109.4	109.1	108.8	108.4
107.5°	139.2	139.1	138.9	138.8	138.6	138.4	138.4	138.4	138.4	138.4	138.4
110°	158.3	158.6	158.4	158.2	158.1	157.9	157.8	157.8	157.8	157.8	157.8



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	177.2	177.5	177.4	177.3	177.2	177.1	176.9	176.8	176.5	176.3	176.2
115°	205.5	205.8	205.7	205.6	205.5	205.5	205.2	204.8	204.4	204.0	203.6
117.5°	232.9	233.3	233.0	232.7	232.4	232.1	232.0	232.0	232.0	232.0	232.0
120°	250.3	250.5	250.2	250.0	249.7	249.5	249.4	249.5	249.6	249.6	249.7
122.5°	267.1	267.3	267.2	267.0	266.9	266.8	266.6	266.3	266.0	265.6	265.4
125°	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.2	290.7	290.1	289.5
127.5°	314.1	314.2	314.3	314.4	314.4	314.5	314.3	313.9	313.5	313.1	312.6
130°	328.7	329.0	328.9	328.8	328.7	328.6	328.4	328.0	327.6	327.2	326.8
132.5°	342.3	342.3	342.4	342.7	342.8	343.0	342.8	342.3	341.9	341.4	341.0
135°	362.4	362.6	362.7	362.9	363.1	363.2	363.1	362.6	362.1	361.6	361.1
137.5°	380.9	380.8	381.0	381.2	381.3	381.5	381.3	380.9	380.4	380.0	379.6
140°	392.2	392.1	392.2	392.2	392.3	392.4	392.3	392.2	392.0	391.8	391.7
142.5°	403.6	403.6	403.5	403.3	403.2	403.1	403.0	402.9	402.8	402.8	402.6
145°	419.5	419.4	419.4	419.4	419.4	419.4	419.3	419.1	419.0	418.8	418.7
147.5°	433.0	432.9	432.8	432.8	432.7	432.5	432.5	432.5	432.6	432.6	432.7
150°	441.6	441.5	441.3	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5
152.5°	449.3	449.1	449.0	448.8	448.7	448.5	448.6	449.0	449.3	449.7	450.0
155°	459.8	459.6	459.4	459.3	459.1	458.9	459.1	459.6	460.1	460.6	461.1
157.5°	468.6	468.3	468.2	468.2	468.2	468.2	468.3	468.6	469.0	469.2	469.5
160°	473.9	473.6	473.5	473.4	473.4	473.3	473.4	473.9	474.4	474.9	475.4
162.5°	478.7	478.3	478.3	478.2	478.1	478.0	478.2	478.7	479.2	479.6	480.1
165°	485.1	484.6	484.5	484.5	484.4	484.3	484.5	485.0	485.5	486.0	486.5
167.5°	489.9	489.3	489.2	489.1	489.0	488.9	489.2	489.7	490.2	490.7	491.2
170°	492.3	491.6	491.5	491.5	491.4	491.3	491.5	492.1	492.7	493.3	493.9
172.5°	494.3	493.7	493.6	493.4	493.3	493.2	493.3	493.9	494.5	495.0	495.6
175°	496.4	495.7	495.6	495.5	495.5	495.4	495.6	496.1	496.6	497.1	497.6
177.5°	497.4	497.0	496.9	496.8	496.8	496.7	496.8	497.3	497.7	498.1	498.5
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1036.3	1039.4	1043.8	1048.9	1053.0	1057.4	1059.7	1059.7	1061.8	1066.2	1071.9
5°	1039.3	1050.4	1060.9	1074.5	1085.0	1097.3	1106.6	1115.5	1123.6	1133.7	1144.3
7.5°	1038.4	1056.7	1075.8	1097.1	1120.7	1139.4	1158.6	1173.7	1188.5	1208.0	1223.4
10°	1035.1	1058.7	1084.6	1111.7	1141.3	1167.2	1190.4	1211.6	1231.9	1253.1	1272.1
12.5°	1029.0	1059.2	1090.7	1123.2	1160.7	1190.2	1220.3	1242.8	1266.5	1289.6	1313.1
15°	1019.9	1055.4	1093.5	1138.8	1184.5	1217.6	1247.2	1276.4	1298.4	1324.6	1347.1
17.5°	1000.9	1046.8	1094.7	1144.2	1188.1	1226.5	1257.6	1285.3	1308.8	1337.7	1368.2
20°	989.8	1039.3	1089.2	1142.2	1184.1	1223.4	1253.5	1282.3	1311.5	1349.2	1386.4
22.5°	974.2	1027.1	1080.1	1130.3	1174.6	1212.6	1243.7	1279.0	1317.3	1360.0	1405.1
25°	949.6	1004.2	1056.6	1104.5	1147.7	1186.7	1229.0	1276.4	1323.0	1379.2	1444.1
27.5°	918.4	970.9	1017.8	1068.4	1111.3	1160.8	1213.7	1265.0	1332.2	1409.7	1490.5
30°	895.0	944.9	989.4	1037.2	1085.9	1140.5	1199.8	1260.3	1340.3	1431.3	1527.5
32.5°	867.9	913.1	957.2	1003.3	1059.5	1119.5	1182.5	1256.5	1352.2	1455.7	1555.2
35°	820.8	861.5	904.2	955.4	1015.2	1080.4	1160.8	1251.0	1366.5	1477.9	1567.2
37.5°	771.6	803.6	846.6	900.7	965.6	1041.1	1132.4	1241.9	1360.7	1460.5	1498.5
40°	733.7	763.7	809.0	865.8	930.1	1012.6	1115.1	1227.7	1347.1	1416.5	1413.6
42.5°	696.0	726.4	770.1	827.1	894.2	986.6	1092.1	1209.1	1309.9	1336.3	1281.2
45°	638.4	666.8	709.6	767.1	839.1	936.0	1046.9	1159.1	1223.4	1180.7	1071.5
47.5°	579.7	607.2	646.9	703.3	781.8	883.3	988.1	1080.2	1089.2	997.4	866.4
50°	541.0	566.9	604.5	664.6	740.9	839.9	941.1	1013.5	991.1	878.9	743.8
52.5°	503.4	528.2	563.5	620.3	698.1	795.2	885.6	942.3	890.5	771.2	649.6
55°	447.9	471.6	507.2	559.2	629.9	718.8	798.0	818.7	742.6	622.3	524.1
57.5°	395.2	412.5	447.7	493.7	561.8	640.3	697.0	693.2	609.2	500.9	430.5
60°	360.3	375.9	409.4	451.7	516.5	586.8	626.6	609.6	524.5	435.2	367.5
62.5°	327.8	342.4	370.4	409.4	465.0	526.1	555.1	531.7	451.3	372.9	319.0
65°	278.6	289.1	311.6	347.6	391.2	433.5	459.3	425.0	353.9	294.6	254.0
67.5°	232.6	241.7	261.7	287.6	317.6	346.8	357.3	325.1	269.9	229.9	201.3
70°	202.8	211.2	224.8	248.9	268.8	289.6	294.6	265.9	219.7	189.2	171.5
72.5°	174.3	182.1	194.0	211.0	224.8	236.8	239.1	212.4	177.0	156.0	142.4
75°	132.9	139.7	147.3	153.7	162.6	164.7	163.8	143.1	124.0	110.1	102.5
77.5°	97.7	100.5	105.2	107.7	108.1	107.9	103.6	90.5	80.7	74.9	71.8
80°	75.3	77.5	78.8	79.6	80.0	75.7	71.1	63.1	59.7	56.3	52.5
82.5°	54.7	56.2	57.4	57.6	55.3	51.8	47.5	43.5	41.1	39.4	37.9
85°	29.6	30.1	29.6	27.6	24.5	23.3	22.4	21.6	21.2	20.7	20.7
87.5°	10.7	9.8	8.2	8.7	8.9	8.6	8.7	8.5	8.3	8.4	8.5
90°	1.1	1.7	2.4	3.0	3.6	4.2	4.7	5.3	5.9	6.3	6.7
92.5°	5.2	4.7	4.3	3.8	3.8	4.4	4.9	5.4	5.9	6.3	6.7
95°	20.8	20.5	20.3	20.1	18.3	15.2	12.1	9.0	5.9	6.3	6.7
97.5°	44.4	44.8	45.2	45.7	42.8	36.6	30.5	24.3	18.2	15.8	13.5
100°	61.9	62.1	62.4	62.6	62.9	63.2	63.5	63.8	64.2	51.9	39.8
102.5°	79.9	80.2	80.6	80.9	81.1	81.3	81.4	81.7	81.9	79.6	77.3
105°	108.8	109.1	109.4	109.7	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.4	138.4	138.4	138.4	138.4	138.6	138.8	138.9	139.1	139.2	139.2
110°	157.8	157.8	157.8	157.8	157.9	158.1	158.2	158.4	158.6	158.3	158.1



TEST NUMBER: P333680-930

CATALOG NUMBER: S125RDIW-S850D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	176.3	176.5	176.8	176.9	177.1	177.2	177.3	177.4	177.5	177.2	176.8
115°	204.0	204.4	204.8	205.2	205.5	205.5	205.6	205.7	205.8	205.5	205.1
117.5°	232.0	232.0	232.0	232.0	232.1	232.4	232.7	233.0	233.3	232.9	232.4
120°	249.6	249.6	249.5	249.4	249.5	249.7	250.0	250.2	250.5	250.3	250.1
122.5°	265.6	266.0	266.3	266.6	266.8	266.9	267.0	267.2	267.3	267.1	266.9
125°	290.1	290.7	291.2	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.5
127.5°	313.1	313.5	313.9	314.3	314.5	314.4	314.4	314.3	314.2	314.1	313.9
130°	327.2	327.6	328.0	328.4	328.6	328.7	328.8	328.9	329.0	328.7	328.5
132.5°	341.4	341.9	342.3	342.8	343.0	342.8	342.7	342.4	342.3	342.3	342.2
135°	361.6	362.1	362.6	363.1	363.2	363.1	362.9	362.7	362.6	362.4	362.2
137.5°	380.0	380.4	380.9	381.3	381.5	381.3	381.2	381.0	380.8	380.9	380.9
140°	391.8	392.0	392.2	392.3	392.4	392.3	392.2	392.2	392.1	392.2	392.4
142.5°	402.8	402.8	402.9	403.0	403.1	403.2	403.3	403.5	403.6	403.6	403.7
145°	418.8	419.0	419.1	419.3	419.4	419.4	419.4	419.4	419.4	419.5	419.6
147.5°	432.6	432.6	432.5	432.5	432.5	432.7	432.8	432.8	432.9	433.0	433.2
150°	441.3	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5	441.6	441.8
152.5°	449.7	449.3	449.0	448.6	448.5	448.7	448.8	449.0	449.1	449.3	449.5
155°	460.6	460.1	459.6	459.1	458.9	459.1	459.3	459.4	459.6	459.8	460.1
157.5°	469.2	469.0	468.6	468.3	468.2	468.2	468.2	468.2	468.3	468.6	468.8
160°	474.9	474.4	473.9	473.4	473.3	473.4	473.4	473.5	473.6	473.9	474.3
162.5°	479.6	479.2	478.7	478.2	478.0	478.1	478.2	478.3	478.3	478.7	479.2
165°	486.0	485.5	485.0	484.5	484.3	484.4	484.5	484.5	484.6	485.1	485.7
167.5°	490.7	490.2	489.7	489.2	488.9	489.0	489.1	489.2	489.3	489.9	490.5
170°	493.3	492.7	492.1	491.5	491.3	491.4	491.5	491.5	491.6	492.3	492.9
172.5°	495.0	494.5	493.9	493.3	493.2	493.3	493.4	493.6	493.7	494.3	494.9
175°	497.1	496.6	496.1	495.6	495.4	495.5	495.5	495.6	495.7	496.4	497.0
177.5°	498.1	497.7	497.3	496.8	496.7	496.8	496.8	496.9	497.0	497.4	497.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1076.3	1076.3	1082.1	1081.7	1085.5	1084.1	1084.8
5°	1157.0	1164.2	1170.5	1174.8	1181.1	1182.8	1181.9
7.5°	1240.6	1256.6	1264.4	1275.1	1277.1	1282.6	1282.1
10°	1292.5	1308.1	1320.0	1329.3	1334.0	1339.9	1340.3
12.5°	1333.1	1346.4	1356.9	1365.5	1371.2	1373.0	1374.2
15°	1364.9	1379.6	1392.0	1404.2	1411.4	1416.9	1419.9
17.5°	1396.9	1419.8	1441.4	1458.1	1468.1	1476.5	1476.4
20°	1421.6	1447.8	1475.0	1494.0	1513.4	1521.9	1523.2
22.5°	1448.0	1488.2	1523.1	1552.6	1578.2	1587.0	1590.2
25°	1502.8	1555.3	1609.2	1650.7	1680.3	1697.6	1700.1
27.5°	1569.1	1640.2	1696.8	1735.0	1759.7	1772.5	1775.3
30°	1615.9	1681.6	1732.3	1761.1	1772.5	1774.3	1767.9
32.5°	1636.9	1686.0	1706.3	1704.5	1682.1	1667.2	1661.5
35°	1611.3	1601.1	1551.5	1492.3	1447.0	1418.2	1410.5
37.5°	1466.3	1378.7	1287.5	1198.0	1150.3	1126.1	1084.4
40°	1323.4	1198.5	1103.7	1028.3	974.5	931.3	921.2
42.5°	1162.1	1033.2	938.4	873.8	831.0	801.3	788.4
45°	933.9	823.0	744.7	695.1	662.1	640.5	630.8
47.5°	747.0	661.1	604.1	567.4	542.3	523.4	518.2
50°	644.3	575.8	527.5	496.6	477.5	463.2	457.2
52.5°	559.6	504.3	467.2	441.7	423.7	414.7	409.8
55°	461.9	414.0	387.3	367.0	356.9	349.7	346.3
57.5°	377.7	343.2	323.7	309.7	300.3	295.6	294.0
60°	330.6	303.5	285.8	274.8	268.4	262.4	260.8
62.5°	288.9	267.7	253.9	244.3	237.9	235.4	234.4
65°	232.8	218.9	208.7	202.8	197.7	196.9	196.4
67.5°	185.1	176.8	171.5	165.3	163.5	160.6	160.0
70°	158.3	152.8	146.5	144.4	142.3	139.3	139.7
72.5°	134.3	128.8	124.5	121.6	120.9	119.6	120.7
75°	98.2	96.5	94.8	92.7	91.9	91.9	91.5
77.5°	70.1	68.6	66.8	65.6	65.3	63.5	64.2
80°	50.8	48.7	47.9	48.3	47.0	46.6	46.6
82.5°	37.6	36.9	36.0	36.0	35.8	35.4	35.7
85°	20.7	20.3	20.3	19.9	19.9	19.5	19.5
87.5°	8.9	9.3	8.7	8.4	8.5	8.8	9.2
90°	7.1	7.5	7.9	8.2	8.4	8.6	8.9
92.5°	7.1	7.5	7.8	7.9	8.1	8.2	8.2
95°	7.1	7.5	7.7	7.7	7.7	7.7	7.7
97.5°	11.3	8.9	7.7	7.7	7.7	7.7	7.7
100°	27.6	15.3	9.0	8.7	8.4	8.1	7.7
102.5°	74.9	72.6	68.7	63.1	57.6	51.9	46.4
105°	109.9	109.9	109.9	109.8	109.7	109.7	109.6
107.5°	139.2	139.2	139.1	138.8	138.6	138.4	138.1
110°	157.8	157.6	157.5	157.6	157.7	157.8	157.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	176.5	176.3	176.0	175.9	175.8	175.7	175.5
115°	204.8	204.5	204.1	203.6	203.1	202.6	202.1
117.5°	232.0	231.6	231.3	231.1	230.9	230.6	230.5
120°	250.0	249.8	249.5	249.1	248.7	248.3	247.9
122.5°	266.8	266.6	266.3	265.8	265.3	264.9	264.4
125°	291.1	290.8	290.5	290.2	290.0	289.8	289.5
127.5°	313.7	313.6	313.2	312.5	311.9	311.3	310.7
130°	328.2	328.0	327.7	327.3	326.9	326.4	326.0
132.5°	342.1	342.1	341.9	341.4	341.0	340.6	340.2
135°	362.1	361.9	361.6	361.1	360.6	360.1	359.6
137.5°	381.0	381.0	380.8	380.3	379.9	379.5	379.1
140°	392.6	392.7	392.6	392.1	391.6	391.1	390.6
142.5°	403.7	403.7	403.5	403.0	402.5	402.0	401.5
145°	419.6	419.7	419.5	419.0	418.5	418.0	417.5
147.5°	433.3	433.3	433.1	432.5	431.9	431.3	430.7
150°	442.0	442.1	441.9	441.2	440.6	439.9	439.3
152.5°	449.6	449.8	449.6	449.0	448.4	447.8	447.3
155°	460.3	460.6	460.3	459.7	459.0	458.4	457.7
157.5°	469.0	469.3	469.1	468.5	467.8	467.2	466.5
160°	474.6	474.9	474.7	474.1	473.4	472.8	472.1
162.5°	479.7	480.1	480.0	479.3	478.6	477.8	477.1
165°	486.2	486.7	486.6	485.9	485.2	484.5	483.9
167.5°	491.1	491.6	491.6	490.8	490.1	489.3	488.6
170°	493.7	494.3	494.2	493.5	492.8	492.0	491.3
172.5°	495.5	496.1	496.0	495.3	494.6	493.8	493.1
175°	497.7	498.3	498.3	497.6	496.8	496.1	495.4
177.5°	498.3	498.8	498.8	498.2	497.7	497.2	496.7
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6

(END OF REPORT)