

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: P333681-927

Luminaire Tested: **S125RDIW-S850D470U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333681-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D470U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3884.6 lumens
Efficiency: N/A
Efficacy: 103.0 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

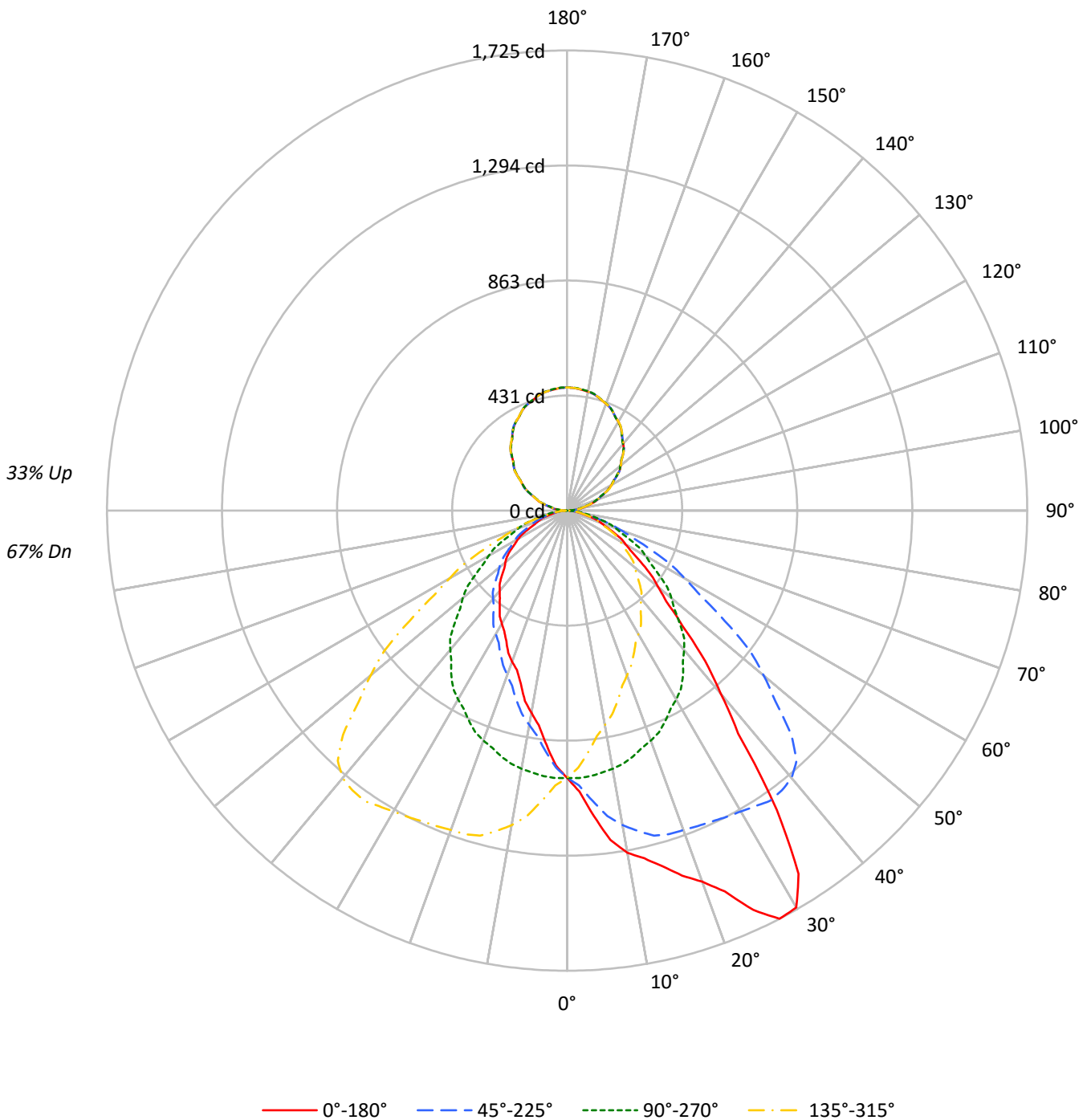
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	102	98	94	91	96	92	89	86	82	80	78	73	71	69	64	63	62	58
2	93	86	80	75	88	82	76	72	73	69	65	65	62	59	57	55	53	49
3	86	76	69	63	80	72	66	60	65	59	55	58	54	50	51	48	45	42
4	79	68	60	54	74	64	57	52	58	52	48	52	47	43	46	42	40	36
5	72	61	53	47	68	58	50	45	52	46	41	47	42	38	42	38	35	32
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	38	34	31	28
7	62	50	41	36	58	47	40	35	43	37	32	39	34	30	35	31	27	25
8	58	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	34	29	51	39	32	28	36	30	26	33	28	24	29	25	22	20
10	50	38	31	26	47	36	30	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6471	6471	6471	6471
5°	7445	6480	5723	6480
10°	8540	6447	5050	6447
15°	9225	6381	4488	6381
20°	10172	6304	4144	6304
25°	11771	6202	3846	6202
30°	12810	6095	3650	6095
35°	10806	5970	3470	5970
40°	7546	5746	3315	5746
45°	5598	5444	3163	5444
50°	4464	5129	3033	5129
55°	3788	4738	2917	4738
60°	3273	4389	2731	4389
65°	2916	4010	2350	4010
70°	2564	3675	2143	3675
75°	2218	3182	2011	3182
80°	1681	2678	1681	2678
85°	1401	2104	1586	2104



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	2.5
10°-20°	281.6	7.2
20°-30°	446.5	11.5
30°-40°	538.4	13.9
40°-50°	480.8	12.4
50°-60°	368.7	9.5
60°-70°	239.6	6.2
70°-80°	116.5	3.0
80°-90°	28.8	0.7
90°-100°	30.9	0.8
100°-110°	91.2	2.3
110°-120°	154.6	4.0
120°-130°	203.4	5.2
130°-140°	227.9	5.9
140°-150°	223.4	5.8
150°-160°	187.6	4.8
160°-170°	124.7	3.2
170°-180°	43.6	1.1
0°-30°	824.2	21.2
0°-40°	1362.6	35.1
0°-60°	2212.2	56.9
0°-90°	2597.1	66.9
90°-120°	276.7	7.1
90°-150°	931.5	24.0
90°-180°	1287.0	33.1
0°-180°	3884.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1002	1002	1002	1002	1002	
5°	1148	1000	883	1000	1148	115
15°	1380	954	671	954	1380	395
25°	1652	870	540	870	1652	758
35°	1371	757	440	757	1371	828
45°	613	596	346	596	613	489
55°	336	421	259	421	336	305
65°	191	262	154	262	191	190
75°	89	128	81	128	89	95
85°	19	28	21	28	19	22
90°	9	0	9	0	9	6
95°	31	23	31	23	31	31
105°	89	82	89	82	89	94
115°	156	155	156	155	156	154
125°	227	226	227	226	227	203
135°	295	294	295	294	295	227
145°	357	356	357	356	357	223
155°	407	407	407	407	407	187
165°	442	443	442	443	442	124
175°	458	460	458	460	458	44
180°	461	461	461	461	461	



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1054.0	1053.4	1054.7	1051.1	1051.4	1045.8	1045.8	1041.5	1035.9	1031.7	1029.7
5°	1148.4	1149.3	1147.6	1141.5	1137.3	1131.2	1124.2	1111.8	1101.5	1091.7	1083.9
7.5°	1245.7	1246.3	1240.9	1239.0	1228.6	1221.0	1205.5	1188.7	1173.8	1154.8	1140.4
10°	1302.3	1301.9	1296.2	1291.6	1282.5	1271.1	1255.8	1236.0	1217.6	1197.0	1177.3
12.5°	1335.2	1334.1	1332.3	1326.8	1318.4	1308.2	1295.3	1275.9	1253.1	1230.6	1207.5
15°	1379.7	1376.7	1371.4	1364.4	1352.5	1340.5	1326.2	1308.9	1287.1	1261.6	1240.2
17.5°	1434.6	1434.6	1426.5	1416.7	1400.5	1379.5	1357.2	1329.4	1299.7	1271.7	1248.9
20°	1480.0	1478.8	1470.5	1451.6	1433.1	1406.8	1381.2	1347.1	1310.9	1274.3	1245.9
22.5°	1545.2	1542.0	1533.4	1508.6	1479.9	1446.0	1406.9	1365.2	1321.4	1279.9	1242.7
25°	1651.9	1649.5	1632.6	1603.9	1563.5	1511.2	1460.2	1403.1	1340.1	1285.5	1240.2
27.5°	1725.0	1722.3	1709.8	1685.8	1648.7	1593.7	1524.6	1448.3	1369.7	1294.4	1229.2
30°	1717.8	1723.9	1722.3	1711.2	1683.2	1633.9	1570.1	1484.2	1390.8	1302.3	1224.6
32.5°	1614.4	1619.9	1634.4	1656.2	1657.9	1638.2	1590.5	1511.1	1414.4	1313.8	1220.9
35°	1370.6	1378.0	1406.0	1450.0	1507.5	1555.7	1565.6	1522.8	1436.0	1327.8	1215.5
37.5°	1053.7	1094.2	1117.7	1164.0	1251.0	1339.6	1424.7	1456.0	1419.1	1322.1	1206.7
40°	895.1	904.9	946.9	999.2	1072.4	1164.5	1285.9	1373.5	1376.3	1308.9	1192.9
42.5°	766.0	778.6	807.4	849.1	911.8	1003.9	1129.2	1244.8	1298.4	1272.7	1174.8
45°	612.9	622.3	643.3	675.4	723.6	799.6	907.4	1041.1	1147.2	1188.7	1126.2
47.5°	503.5	508.6	526.9	551.3	586.9	642.4	725.8	841.9	969.2	1058.4	1049.6
50°	444.3	450.0	464.0	482.5	512.5	559.4	626.1	722.7	854.0	963.0	984.8
52.5°	398.2	403.0	411.7	429.2	453.9	490.0	543.8	631.2	749.3	865.2	915.6
55°	336.4	339.8	346.7	356.6	376.4	402.3	448.8	509.2	604.7	721.5	795.5
57.5°	285.7	287.2	291.8	300.9	314.5	333.4	367.0	418.3	486.7	591.9	673.6
60°	253.4	255.0	260.8	267.0	277.7	294.9	321.2	357.0	422.9	509.6	592.3
62.5°	227.8	228.7	231.2	237.3	246.7	260.1	280.7	310.0	362.3	438.6	516.7
65°	190.8	191.3	192.1	197.0	202.8	212.7	226.2	246.8	286.3	343.9	413.0
67.5°	155.5	156.1	158.9	160.7	166.7	171.8	179.8	195.6	223.4	262.2	315.9
70°	135.8	135.3	138.2	140.3	142.4	148.5	153.8	166.6	183.9	213.5	258.3
72.5°	117.3	116.2	117.5	118.2	121.0	125.2	130.5	138.3	151.6	172.0	206.4
75°	88.9	89.3	89.3	90.1	92.1	93.8	95.5	99.6	106.9	120.5	139.0
77.5°	62.3	61.7	63.5	63.7	64.9	66.7	68.1	69.8	72.8	78.4	87.9
80°	45.2	45.2	45.6	46.9	46.5	47.3	49.4	51.0	54.7	58.0	61.3
82.5°	34.7	34.4	34.8	35.0	34.9	35.8	36.5	36.8	38.3	39.9	42.2
85°	18.9	18.9	19.3	19.3	19.7	19.7	20.1	20.1	20.1	20.6	21.0
87.5°	9.0	8.6	8.2	8.2	8.5	9.0	8.6	8.2	8.2	8.1	8.2
90°	8.6	8.4	8.2	7.9	7.7	7.4	7.0	6.6	6.2	5.8	5.1
92.5°	17.0	16.8	16.6	16.4	16.2	15.9	15.4	14.8	14.3	13.8	13.1
95°	30.9	30.7	30.6	30.4	30.3	29.9	29.3	28.8	28.2	27.6	26.9
97.5°	46.8	46.7	46.7	46.5	46.4	46.1	45.6	45.1	44.5	44.0	42.9
100°	58.9	58.7	58.5	58.4	58.2	57.8	57.1	56.4	55.7	54.9	53.9
102.5°	71.0	70.7	70.5	70.3	70.0	69.6	68.8	68.0	67.2	66.4	65.9
105°	89.0	88.8	88.6	88.3	88.1	87.7	87.2	86.7	86.3	85.8	85.3
107.5°	107.6	107.6	107.6	107.7	107.7	107.5	107.3	107.0	106.8	106.5	106.2
110°	121.4	121.4	121.5	121.6	121.7	121.6	121.4	121.1	120.9	120.6	120.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	134.8	135.0	135.1	135.3	135.5	135.5	135.3	135.2	135.1	135.0	134.7
115°	156.2	156.3	156.4	156.5	156.5	156.6	156.7	156.8	156.9	156.9	156.8
117.5°	177.0	177.3	177.7	178.0	178.3	178.4	178.3	178.3	178.2	178.2	178.0
120°	191.4	191.7	192.0	192.3	192.7	192.8	192.8	192.8	192.8	192.8	192.7
122.5°	205.7	206.0	206.3	206.5	206.8	206.9	207.0	207.1	207.1	207.2	207.0
125°	227.3	227.4	227.4	227.5	227.6	227.8	227.9	228.1	228.2	228.4	228.3
127.5°	248.0	248.1	248.3	248.4	248.6	248.7	248.8	248.9	249.0	249.1	248.9
130°	261.7	261.9	262.1	262.2	262.4	262.5	262.6	262.7	262.8	262.8	262.7
132.5°	274.6	274.9	275.1	275.4	275.6	275.7	275.8	275.8	275.9	276.0	276.1
135°	294.8	295.1	295.4	295.7	296.0	296.2	296.2	296.2	296.2	296.2	296.1
137.5°	314.4	314.8	315.3	315.7	316.1	316.2	316.1	316.0	315.9	315.8	315.6
140°	327.1	327.5	327.9	328.3	328.7	328.8	328.7	328.5	328.4	328.2	328.0
142.5°	339.1	339.5	339.9	340.3	340.7	340.9	340.8	340.7	340.6	340.6	340.2
145°	357.3	357.5	357.7	358.0	358.2	358.3	358.3	358.3	358.3	358.3	358.1
147.5°	372.7	373.2	373.8	374.3	374.9	375.0	374.9	374.6	374.5	374.3	374.1
150°	384.2	384.4	384.5	384.7	384.8	384.9	384.9	384.9	384.9	384.9	384.6
152.5°	393.6	394.0	394.3	394.5	394.8	394.8	394.7	394.5	394.3	394.1	394.0
155°	407.2	407.6	408.0	408.4	408.8	408.8	408.4	408.1	407.8	407.5	407.4
157.5°	418.4	419.0	419.5	420.0	420.6	420.6	420.3	420.0	419.7	419.4	419.3
160°	426.2	426.6	427.0	427.4	427.8	427.9	427.5	427.2	426.9	426.5	426.4
162.5°	432.8	433.2	433.7	434.2	434.7	434.7	434.3	434.0	433.6	433.2	433.2
165°	441.6	442.1	442.6	443.1	443.5	443.6	443.3	443.0	442.7	442.4	442.3
167.5°	448.7	449.2	449.6	450.1	450.7	450.7	450.2	449.7	449.2	448.8	448.8
170°	452.4	453.0	453.5	454.1	454.6	454.7	454.2	453.7	453.2	452.7	452.7
172.5°	455.6	456.1	456.5	457.0	457.6	457.6	457.1	456.6	456.1	455.7	455.7
175°	458.5	459.1	459.6	460.2	460.7	460.8	460.3	459.8	459.3	458.8	458.8
177.5°	460.3	460.7	461.1	461.6	462.0	462.1	461.7	461.3	460.9	460.5	460.6
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1029.7	1027.4	1023.1	1019.1	1014.2	1010.0	1006.9	1003.4	998.7	993.2	988.6
5°	1075.2	1066.2	1054.2	1044.0	1030.8	1020.6	1009.9	999.6	989.3	976.1	964.6
7.5°	1125.8	1107.1	1088.9	1066.0	1045.3	1026.7	1009.0	991.0	973.4	954.7	936.7
10°	1156.7	1134.1	1109.0	1080.1	1053.8	1028.7	1005.8	983.1	959.3	938.3	915.6
12.5°	1185.7	1156.4	1127.8	1091.4	1059.8	1029.1	999.8	971.6	946.1	918.9	894.6
15°	1211.8	1183.0	1151.0	1106.5	1062.5	1025.5	990.9	954.3	922.7	892.2	865.1
17.5°	1221.9	1191.8	1154.4	1111.7	1063.7	1017.1	972.6	932.4	895.2	859.7	829.2
20°	1218.0	1188.7	1150.5	1109.8	1058.4	1009.9	961.7	917.3	875.8	838.3	805.8
22.5°	1208.4	1178.2	1141.3	1098.3	1049.5	998.0	946.6	899.2	855.6	816.9	781.5
25°	1194.1	1153.0	1115.2	1073.2	1026.7	975.7	922.7	870.4	823.9	784.4	745.8
27.5°	1179.2	1127.9	1079.7	1038.1	989.0	943.4	892.3	838.7	789.9	749.6	710.0
30°	1165.8	1108.2	1055.1	1007.8	961.3	918.1	869.6	817.3	767.1	725.6	685.3
32.5°	1149.0	1087.7	1029.4	974.9	930.0	887.2	843.3	793.3	744.4	701.6	660.6
35°	1127.9	1049.7	986.4	928.4	878.6	837.1	797.6	757.2	708.3	663.9	624.0
37.5°	1100.3	1011.5	938.3	875.1	822.6	780.9	749.7	712.9	668.2	625.7	588.6
40°	1083.5	983.9	903.7	841.2	786.1	742.0	712.9	681.6	640.9	600.9	564.0
42.5°	1061.1	958.6	868.9	803.7	748.2	705.8	676.3	649.0	614.9	577.3	537.7
45°	1017.2	909.5	815.3	745.4	689.4	647.8	620.3	596.0	570.1	535.6	501.0
47.5°	960.1	858.3	759.6	683.3	628.5	589.9	563.2	544.1	525.5	496.1	462.6
50°	914.4	816.1	719.9	645.8	587.4	550.8	525.7	510.5	493.6	466.8	438.9
52.5°	860.5	772.7	678.3	602.7	547.6	513.3	489.2	474.0	460.0	438.2	411.6
55°	775.4	698.5	612.0	543.4	492.8	458.2	435.2	420.8	412.6	394.0	373.1
57.5°	677.2	622.1	545.9	479.7	435.0	400.8	384.0	371.7	362.4	349.3	334.5
60°	608.8	570.1	501.8	438.9	397.8	365.3	350.1	339.8	331.1	320.0	308.5
62.5°	539.3	511.2	451.8	397.8	359.9	332.7	318.5	309.2	299.2	291.8	280.5
65°	446.3	421.2	380.1	337.7	302.8	280.9	270.7	262.4	256.3	248.0	240.2
67.5°	347.1	337.0	308.6	279.4	254.3	234.9	226.0	220.2	212.9	207.9	202.6
70°	286.3	281.4	261.2	241.9	218.4	205.3	197.0	194.6	185.5	180.6	176.9
72.5°	232.3	230.0	218.4	205.0	188.5	177.0	169.4	166.6	160.8	156.9	154.5
75°	159.1	160.0	158.0	149.3	143.1	135.8	129.1	127.5	123.4	120.1	118.0
77.5°	100.7	104.9	105.0	104.6	102.2	97.7	94.9	93.7	89.7	88.4	87.9
80°	69.1	73.6	77.7	77.3	76.5	75.3	73.2	72.0	69.9	68.7	67.9
82.5°	46.1	50.3	53.7	55.9	55.8	54.6	53.2	52.6	52.1	51.3	51.1
85°	21.8	22.7	23.8	26.8	28.8	29.2	28.8	28.4	27.2	27.6	28.0
87.5°	8.5	8.4	8.6	8.5	8.0	9.5	10.4	10.6	10.1	9.5	9.0
90°	4.6	4.0	3.5	2.9	2.3	1.7	1.0	0.4	1.0	1.7	2.3
92.5°	12.4	11.7	11.0	10.5	10.1	9.6	9.1	8.7	9.1	9.6	10.1
95°	26.1	25.3	24.5	24.0	23.8	23.7	23.5	23.4	23.5	23.7	23.8
97.5°	41.8	40.7	39.6	39.1	39.0	38.9	38.8	38.7	38.8	38.9	39.0
100°	52.8	51.8	50.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
102.5°	65.4	64.9	64.3	63.9	63.6	63.3	62.9	62.6	62.9	63.3	63.6
105°	84.8	84.4	83.9	83.5	83.0	82.6	82.2	81.8	82.2	82.6	83.0
107.5°	105.8	105.4	105.1	104.7	104.3	103.9	103.5	103.1	103.5	103.9	104.3
110°	120.2	119.9	119.7	119.4	119.0	118.6	118.2	117.8	118.2	118.6	119.0



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	134.4	134.1	133.8	133.6	133.3	133.1	132.9	132.7	132.9	133.1	133.3
115°	156.6	156.5	156.3	156.1	155.7	155.4	155.0	154.7	155.0	155.4	155.7
117.5°	177.8	177.8	177.6	177.4	177.3	177.1	177.0	176.9	177.0	177.1	177.3
120°	192.7	192.6	192.5	192.3	191.9	191.5	191.1	190.7	191.1	191.5	191.9
122.5°	206.8	206.5	206.4	206.1	206.0	205.9	205.7	205.6	205.7	205.9	206.0
125°	228.2	228.1	228.1	227.8	227.3	226.8	226.3	225.9	226.3	226.8	227.3
127.5°	248.8	248.7	248.7	248.5	248.2	248.0	247.6	247.4	247.6	248.0	248.2
130°	262.5	262.4	262.2	261.9	261.5	261.1	260.7	260.3	260.7	261.1	261.5
132.5°	276.1	276.2	276.2	275.8	275.2	274.6	273.9	273.2	273.9	274.6	275.2
135°	296.0	296.0	295.9	295.6	295.2	294.7	294.2	293.7	294.2	294.7	295.2
137.5°	315.4	315.3	315.1	314.8	314.3	313.9	313.4	312.9	313.4	313.9	314.3
140°	327.7	327.5	327.3	326.9	326.5	326.1	325.7	325.3	325.7	326.1	326.5
142.5°	339.9	339.6	339.3	339.0	338.7	338.3	337.9	337.6	337.9	338.3	338.7
145°	357.8	357.6	357.4	357.1	356.8	356.5	356.2	355.8	356.2	356.5	356.8
147.5°	373.9	373.7	373.5	373.4	373.1	373.0	372.8	372.6	372.8	373.0	373.1
150°	384.3	384.0	383.7	383.5	383.6	383.7	383.7	383.8	383.7	383.7	383.6
152.5°	393.9	393.7	393.6	393.5	393.3	393.2	393.2	393.0	393.2	393.2	393.3
155°	407.3	407.3	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2
157.5°	419.2	419.1	419.1	419.1	419.3	419.5	419.6	419.8	419.6	419.5	419.3
160°	426.4	426.3	426.2	426.3	426.5	426.7	427.1	427.3	427.1	426.7	426.5
162.5°	433.1	433.1	433.1	433.2	433.3	433.6	433.7	433.9	433.7	433.6	433.3
165°	442.2	442.1	442.0	442.0	442.2	442.4	442.5	442.7	442.5	442.4	442.2
167.5°	448.8	448.8	448.8	448.9	449.2	449.6	449.9	450.2	449.9	449.6	449.2
170°	452.7	452.7	452.7	452.9	453.2	453.5	453.8	454.2	453.8	453.5	453.2
172.5°	455.7	455.7	455.7	455.8	456.1	456.5	456.8	457.1	456.8	456.5	456.1
175°	458.8	458.8	458.8	459.0	459.3	459.6	459.9	460.3	459.9	459.6	459.3
177.5°	460.7	460.7	460.7	460.9	461.2	461.4	461.7	461.9	461.7	461.4	461.2
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	985.2	980.6	977.3	970.7	966.1	964.2	960.6	959.6	963.2	960.6	960.2
5°	955.9	944.0	934.5	925.1	914.8	908.2	898.3	896.8	894.2	890.6	889.7
7.5°	920.8	905.3	893.1	877.5	863.9	852.9	840.6	834.8	831.6	826.8	820.4
10°	897.1	878.6	862.1	846.5	829.7	816.1	803.7	794.3	788.1	782.4	779.9
12.5°	873.8	854.9	833.9	814.9	796.1	780.9	767.2	761.0	754.2	747.5	741.7
15°	837.5	812.4	789.3	767.5	751.5	735.1	721.9	712.9	702.6	699.7	688.6
17.5°	799.0	774.4	747.4	724.5	705.8	687.8	673.3	663.0	655.3	644.7	639.5
20°	775.0	745.8	719.5	698.5	677.9	656.5	641.7	633.0	625.7	617.0	612.9
22.5°	749.3	720.7	693.8	669.2	648.2	627.2	616.7	607.7	599.3	591.4	585.9
25°	711.6	682.9	654.4	628.9	607.1	591.9	579.6	569.3	564.7	557.0	551.2
27.5°	674.4	643.7	614.3	588.9	571.8	556.7	546.6	538.4	530.3	523.5	518.5
30°	650.3	619.1	587.0	566.8	548.7	534.3	523.2	515.4	509.2	503.0	499.4
32.5°	626.3	594.1	565.6	543.8	526.6	514.3	502.8	495.4	488.9	482.0	477.7
35°	587.8	554.9	531.9	510.5	493.6	482.1	474.3	463.6	458.2	453.3	448.8
37.5°	552.0	521.4	496.5	477.8	463.1	451.6	441.6	435.8	429.2	424.8	421.0
40°	525.7	497.7	475.1	455.3	444.7	431.9	422.5	415.0	410.1	404.3	400.2
42.5°	502.0	476.0	454.0	436.3	422.9	412.2	403.1	395.6	389.4	385.2	381.8
45°	468.5	442.6	421.2	404.7	392.4	382.1	372.6	369.0	360.8	355.8	354.2
47.5°	433.9	410.7	390.1	374.9	362.3	352.5	343.6	336.0	331.5	326.7	324.1
50°	410.5	388.3	369.0	354.2	341.8	331.1	322.9	318.0	311.8	307.3	304.0
52.5°	387.1	366.6	347.3	333.1	322.4	311.7	302.5	297.5	291.8	288.8	286.5
55°	353.8	331.9	315.5	301.5	290.4	280.5	271.9	267.0	263.2	260.4	259.5
57.5°	315.9	298.7	283.4	270.8	259.2	249.9	242.3	237.7	234.4	233.9	231.5
60°	291.2	275.6	261.6	248.0	238.1	229.5	222.9	217.6	214.3	213.9	213.1
62.5°	266.6	251.6	238.6	226.6	217.8	209.5	203.2	197.2	195.2	193.1	191.4
65°	230.0	216.3	205.7	196.2	186.7	179.7	173.6	169.8	165.3	162.9	158.4
67.5°	194.0	183.5	173.2	165.2	157.8	151.1	146.0	140.5	137.4	135.5	132.2
70°	170.3	162.1	151.8	143.1	137.4	132.1	127.9	121.8	119.7	118.0	116.4
72.5°	147.9	140.7	132.1	125.1	119.3	114.2	109.5	106.6	104.6	102.9	102.0
75°	116.4	109.4	102.0	97.0	93.0	88.9	86.3	84.3	83.5	83.1	81.4
77.5°	85.5	81.8	75.8	71.9	69.2	67.6	65.4	64.2	64.2	62.3	61.8
80°	65.4	63.4	58.4	56.8	54.7	53.1	51.8	49.7	47.7	46.9	45.6
82.5°	48.6	46.6	44.6	42.0	40.2	39.2	38.0	37.2	37.5	36.4	35.8
85°	25.9	23.8	23.1	22.7	21.8	22.7	22.2	21.8	21.4	21.0	21.4
87.5°	8.8	9.0	8.7	9.5	8.6	9.0	9.1	8.9	9.0	9.0	8.8
90°	2.9	3.5	4.0	4.6	5.1	5.8	6.2	6.6	7.0	7.4	7.7
92.5°	10.5	11.0	11.7	12.4	13.1	13.8	14.3	14.8	15.4	15.9	16.2
95°	24.0	24.5	25.3	26.1	26.9	27.6	28.2	28.8	29.3	29.9	30.3
97.5°	39.1	39.6	40.7	41.8	42.9	44.0	44.5	45.1	45.6	46.1	46.4
100°	50.3	50.8	51.8	52.8	53.9	54.9	55.7	56.4	57.1	57.8	58.2
102.5°	63.9	64.3	64.9	65.4	65.9	66.4	67.2	68.0	68.8	69.6	70.0
105°	83.5	83.9	84.4	84.8	85.3	85.8	86.3	86.7	87.2	87.7	88.1
107.5°	104.7	105.1	105.4	105.8	106.2	106.5	106.8	107.0	107.3	107.5	107.7
110°	119.4	119.7	119.9	120.2	120.4	120.6	120.9	121.1	121.4	121.6	121.7



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	133.6	133.8	134.1	134.4	134.7	135.0	135.1	135.2	135.3	135.5	135.5
115°	156.1	156.3	156.5	156.6	156.8	156.9	156.9	156.8	156.7	156.6	156.5
117.5°	177.4	177.6	177.8	177.8	178.0	178.2	178.2	178.3	178.3	178.4	178.3
120°	192.3	192.5	192.6	192.7	192.7	192.8	192.8	192.8	192.8	192.8	192.7
122.5°	206.1	206.4	206.5	206.8	207.0	207.2	207.1	207.1	207.0	206.9	206.8
125°	227.8	228.1	228.1	228.2	228.3	228.4	228.2	228.1	227.9	227.8	227.6
127.5°	248.5	248.7	248.7	248.8	248.9	249.1	249.0	248.9	248.8	248.7	248.6
130°	261.9	262.2	262.4	262.5	262.7	262.8	262.8	262.7	262.6	262.5	262.4
132.5°	275.8	276.2	276.2	276.1	276.1	276.0	275.9	275.8	275.8	275.7	275.6
135°	295.6	295.9	296.0	296.0	296.1	296.2	296.2	296.2	296.2	296.2	296.0
137.5°	314.8	315.1	315.3	315.4	315.6	315.8	315.9	316.0	316.1	316.2	316.1
140°	326.9	327.3	327.5	327.7	328.0	328.2	328.4	328.5	328.7	328.8	328.7
142.5°	339.0	339.3	339.6	339.9	340.2	340.6	340.6	340.7	340.8	340.9	340.7
145°	357.1	357.4	357.6	357.8	358.1	358.3	358.3	358.3	358.3	358.3	358.2
147.5°	373.4	373.5	373.7	373.9	374.1	374.3	374.5	374.6	374.9	375.0	374.9
150°	383.5	383.7	384.0	384.3	384.6	384.9	384.9	384.9	384.9	384.9	384.8
152.5°	393.5	393.6	393.7	393.9	394.0	394.1	394.3	394.5	394.7	394.8	394.8
155°	407.2	407.2	407.3	407.3	407.4	407.5	407.8	408.1	408.4	408.8	408.8
157.5°	419.1	419.1	419.1	419.2	419.3	419.4	419.7	420.0	420.3	420.6	420.6
160°	426.3	426.2	426.3	426.4	426.4	426.5	426.9	427.2	427.5	427.9	427.8
162.5°	433.2	433.1	433.1	433.1	433.2	433.2	433.6	434.0	434.3	434.7	434.7
165°	442.0	442.0	442.1	442.2	442.3	442.4	442.7	443.0	443.3	443.6	443.5
167.5°	448.9	448.8	448.8	448.8	448.8	448.8	449.2	449.7	450.2	450.7	450.7
170°	452.9	452.7	452.7	452.7	452.7	452.7	453.2	453.7	454.2	454.7	454.6
172.5°	455.8	455.7	455.7	455.7	455.7	455.7	456.1	456.6	457.1	457.6	457.6
175°	459.0	458.8	458.8	458.8	458.8	458.8	459.3	459.8	460.3	460.8	460.7
177.5°	460.9	460.7	460.7	460.7	460.6	460.5	460.9	461.3	461.7	462.1	462.0
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	959.9	956.3	955.3	956.6	955.3	956.3	959.9	960.2	960.6	963.2	959.6
5°	885.6	881.5	883.5	882.7	883.5	881.5	885.6	889.7	890.6	894.2	896.8
7.5°	820.3	815.2	809.8	811.5	809.8	815.2	820.3	820.4	826.8	831.6	834.8
10°	774.5	770.5	767.9	770.0	767.9	770.5	774.5	779.9	782.4	788.1	794.3
12.5°	736.0	733.6	731.4	730.6	731.4	733.6	736.0	741.7	747.5	754.2	761.0
15°	683.7	678.7	676.7	671.3	676.7	678.7	683.7	688.6	699.7	702.6	712.9
17.5°	635.3	633.7	628.4	626.1	628.4	633.7	635.3	639.5	644.7	655.3	663.0
20°	606.7	605.1	599.8	603.0	599.8	605.1	606.7	612.9	617.0	625.7	633.0
22.5°	583.0	579.4	577.7	576.7	577.7	579.4	583.0	585.9	591.4	599.3	607.7
25°	549.5	544.2	542.2	539.7	542.2	544.2	549.5	551.2	557.0	564.7	569.3
27.5°	516.2	513.3	510.6	509.9	510.6	513.3	516.2	518.5	523.5	530.3	538.4
30°	494.4	491.5	489.5	489.5	489.5	491.5	494.4	499.4	503.0	509.2	515.4
32.5°	475.0	472.8	470.7	470.4	470.7	472.8	475.0	477.7	482.0	488.9	495.4
35°	446.7	443.5	442.6	440.1	442.6	443.5	446.7	448.8	453.3	458.2	463.6
37.5°	417.3	414.6	414.5	414.3	414.5	414.6	417.3	421.0	424.8	429.2	435.8
40°	398.6	396.6	396.1	393.2	396.1	396.6	398.6	400.2	404.3	410.1	415.0
42.5°	378.5	377.5	376.0	374.8	376.0	377.5	378.5	381.8	385.2	389.4	395.6
45°	351.3	348.4	348.4	346.3	348.4	348.4	351.3	354.2	355.8	360.8	369.0
47.5°	323.1	320.9	321.2	319.0	321.2	320.9	323.1	324.1	326.7	331.5	336.0
50°	304.4	303.2	302.8	301.9	302.8	303.2	304.4	304.0	307.3	311.8	318.0
52.5°	285.7	285.0	286.6	284.8	286.6	285.0	285.7	286.5	288.8	291.8	297.5
55°	260.4	259.1	261.6	259.1	261.6	259.1	260.4	259.5	260.4	263.2	267.0
57.5°	231.3	230.2	232.4	231.2	232.4	230.2	231.3	231.5	233.9	234.4	237.7
60°	212.2	209.8	211.0	211.4	211.0	209.8	212.2	213.1	213.9	214.3	217.6
62.5°	189.6	188.1	188.9	187.1	188.9	188.1	189.6	191.4	193.1	195.2	197.2
65°	157.6	156.3	154.6	153.8	154.6	156.3	157.6	158.4	162.9	165.3	169.8
67.5°	132.4	129.4	129.4	130.0	129.4	129.4	132.4	132.2	135.5	137.4	140.5
70°	113.9	113.9	113.5	113.5	113.5	113.9	113.9	116.4	118.0	119.7	121.8
72.5°	101.1	100.8	100.1	99.7	100.1	100.8	101.1	102.0	102.9	104.6	106.6
75°	81.4	81.8	81.0	80.6	81.0	81.8	81.4	81.4	83.1	83.5	84.3
77.5°	60.1	58.4	59.3	58.4	59.3	58.4	60.1	61.8	62.3	64.2	64.2
80°	45.6	45.2	46.5	45.2	46.5	45.2	45.6	45.6	46.9	47.7	49.7
82.5°	36.1	35.7	36.3	35.4	36.3	35.7	36.1	35.8	36.4	37.5	37.2
85°	21.8	21.4	21.0	21.4	21.0	21.4	21.8	21.4	21.0	21.4	21.8
87.5°	9.1	8.9	9.0	9.0	9.0	8.9	9.1	8.8	9.0	9.0	8.9
90°	7.9	8.2	8.4	8.6	8.4	8.2	7.9	7.7	7.4	7.0	6.6
92.5°	16.4	16.6	16.8	17.0	16.8	16.6	16.4	16.2	15.9	15.4	14.8
95°	30.4	30.6	30.7	30.9	30.7	30.6	30.4	30.3	29.9	29.3	28.8
97.5°	46.5	46.7	46.7	46.8	46.7	46.7	46.5	46.4	46.1	45.6	45.1
100°	58.4	58.5	58.7	58.9	58.7	58.5	58.4	58.2	57.8	57.1	56.4
102.5°	70.3	70.5	70.7	71.0	70.7	70.5	70.3	70.0	69.6	68.8	68.0
105°	88.3	88.6	88.8	89.0	88.8	88.6	88.3	88.1	87.7	87.2	86.7
107.5°	107.7	107.6	107.6	107.6	107.6	107.6	107.7	107.7	107.5	107.3	107.0
110°	121.6	121.5	121.4	121.4	121.4	121.5	121.6	121.7	121.6	121.4	121.1



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	135.3	135.1	135.0	134.8	135.0	135.1	135.3	135.5	135.5	135.3	135.2
115°	156.5	156.4	156.3	156.2	156.3	156.4	156.5	156.5	156.6	156.7	156.8
117.5°	178.0	177.7	177.3	177.0	177.3	177.7	178.0	178.3	178.4	178.3	178.3
120°	192.3	192.0	191.7	191.4	191.7	192.0	192.3	192.7	192.8	192.8	192.8
122.5°	206.5	206.3	206.0	205.7	206.0	206.3	206.5	206.8	206.9	207.0	207.1
125°	227.5	227.4	227.4	227.3	227.4	227.4	227.5	227.6	227.8	227.9	228.1
127.5°	248.4	248.3	248.1	248.0	248.1	248.3	248.4	248.6	248.7	248.8	248.9
130°	262.2	262.1	261.9	261.7	261.9	262.1	262.2	262.4	262.5	262.6	262.7
132.5°	275.4	275.1	274.9	274.6	274.9	275.1	275.4	275.6	275.7	275.8	275.8
135°	295.7	295.4	295.1	294.8	295.1	295.4	295.7	296.0	296.2	296.2	296.2
137.5°	315.7	315.3	314.8	314.4	314.8	315.3	315.7	316.1	316.2	316.1	316.0
140°	328.3	327.9	327.5	327.1	327.5	327.9	328.3	328.7	328.8	328.7	328.5
142.5°	340.3	339.9	339.5	339.1	339.5	339.9	340.3	340.7	340.9	340.8	340.7
145°	358.0	357.7	357.5	357.3	357.5	357.7	358.0	358.2	358.3	358.3	358.3
147.5°	374.3	373.8	373.2	372.7	373.2	373.8	374.3	374.9	375.0	374.9	374.6
150°	384.7	384.5	384.4	384.2	384.4	384.5	384.7	384.8	384.9	384.9	384.9
152.5°	394.5	394.3	394.0	393.6	394.0	394.3	394.5	394.8	394.8	394.7	394.5
155°	408.4	408.0	407.6	407.2	407.6	408.0	408.4	408.8	408.8	408.4	408.1
157.5°	420.0	419.5	419.0	418.4	419.0	419.5	420.0	420.6	420.6	420.3	420.0
160°	427.4	427.0	426.6	426.2	426.6	427.0	427.4	427.8	427.9	427.5	427.2
162.5°	434.2	433.7	433.2	432.8	433.2	433.7	434.2	434.7	434.7	434.3	434.0
165°	443.1	442.6	442.1	441.6	442.1	442.6	443.1	443.5	443.6	443.3	443.0
167.5°	450.1	449.6	449.2	448.7	449.2	449.6	450.1	450.7	450.7	450.2	449.7
170°	454.1	453.5	453.0	452.4	453.0	453.5	454.1	454.6	454.7	454.2	453.7
172.5°	457.0	456.5	456.1	455.6	456.1	456.5	457.0	457.6	457.6	457.1	456.6
175°	460.2	459.6	459.1	458.5	459.1	459.6	460.2	460.7	460.8	460.3	459.8
177.5°	461.6	461.1	460.7	460.3	460.7	461.1	461.6	462.0	462.1	461.7	461.3
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	960.6	964.2	966.1	970.7	977.3	980.6	985.2	988.6	993.2	998.7	1003.4
5°	898.3	908.2	914.8	925.1	934.5	944.0	955.9	964.6	976.1	989.3	999.6
7.5°	840.6	852.9	863.9	877.5	893.1	905.3	920.8	936.7	954.7	973.4	991.0
10°	803.7	816.1	829.7	846.5	862.1	878.6	897.1	915.6	938.3	959.3	983.1
12.5°	767.2	780.9	796.1	814.9	833.9	854.9	873.8	894.6	918.9	946.1	971.6
15°	721.9	735.1	751.5	767.5	789.3	812.4	837.5	865.1	892.2	922.7	954.3
17.5°	673.3	687.8	705.8	724.5	747.4	774.4	799.0	829.2	859.7	895.2	932.4
20°	641.7	656.5	677.9	698.5	719.5	745.8	775.0	805.8	838.3	875.8	917.3
22.5°	616.7	627.2	648.2	669.2	693.8	720.7	749.3	781.5	816.9	855.6	899.2
25°	579.6	591.9	607.1	628.9	654.4	682.9	711.6	745.8	784.4	823.9	870.4
27.5°	546.6	556.7	571.8	588.9	614.3	643.7	674.4	710.0	749.6	789.9	838.7
30°	523.2	534.3	548.7	566.8	587.0	619.1	650.3	685.3	725.6	767.1	817.3
32.5°	502.8	514.3	526.6	543.8	565.6	594.1	626.3	660.6	701.6	744.4	793.3
35°	474.3	482.1	493.6	510.5	531.9	554.9	587.8	624.0	663.9	708.3	757.2
37.5°	441.6	451.6	463.1	477.8	496.5	521.4	552.0	588.6	625.7	668.2	712.9
40°	422.5	431.9	444.7	455.3	475.1	497.7	525.7	564.0	600.9	640.9	681.6
42.5°	403.1	412.2	422.9	436.3	454.0	476.0	502.0	537.7	577.3	614.9	649.0
45°	372.6	382.1	392.4	404.7	421.2	442.6	468.5	501.0	535.6	570.1	596.0
47.5°	343.6	352.5	362.3	374.9	390.1	410.7	433.9	462.6	496.1	525.5	544.1
50°	322.9	331.1	341.8	354.2	369.0	388.3	410.5	438.9	466.8	493.6	510.5
52.5°	302.5	311.7	322.4	333.1	347.3	366.6	387.1	411.6	438.2	460.0	474.0
55°	271.9	280.5	290.4	301.5	315.5	331.9	353.8	373.1	394.0	412.6	420.8
57.5°	242.3	249.9	259.2	270.8	283.4	298.7	315.9	334.5	349.3	362.4	371.7
60°	222.9	229.5	238.1	248.0	261.6	275.6	291.2	308.5	320.0	331.1	339.8
62.5°	203.2	209.5	217.8	226.6	238.6	251.6	266.6	280.5	291.8	299.2	309.2
65°	173.6	179.7	186.7	196.2	205.7	216.3	230.0	240.2	248.0	256.3	262.4
67.5°	146.0	151.1	157.8	165.2	173.2	183.5	194.0	202.6	207.9	212.9	220.2
70°	127.9	132.1	137.4	143.1	151.8	162.1	170.3	176.9	180.6	185.5	194.6
72.5°	109.5	114.2	119.3	125.1	132.1	140.7	147.9	154.5	156.9	160.8	166.6
75°	86.3	88.9	93.0	97.0	102.0	109.4	116.4	118.0	120.1	123.4	127.5
77.5°	65.4	67.6	69.2	71.9	75.8	81.8	85.5	87.9	88.4	89.7	93.7
80°	51.8	53.1	54.7	56.8	58.4	63.4	65.4	67.9	68.7	69.9	72.0
82.5°	38.0	39.2	40.2	42.0	44.6	46.6	48.6	51.1	51.3	52.1	52.6
85°	22.2	22.7	21.8	22.7	23.1	23.8	25.9	28.0	27.6	27.2	28.4
87.5°	9.1	9.0	8.6	9.5	8.7	9.0	8.8	9.0	9.5	10.1	10.6
90°	6.2	5.8	5.1	4.6	4.0	3.5	2.9	2.3	1.7	1.0	0.4
92.5°	14.3	13.8	13.1	12.4	11.7	11.0	10.5	10.1	9.6	9.1	8.7
95°	28.2	27.6	26.9	26.1	25.3	24.5	24.0	23.8	23.7	23.5	23.4
97.5°	44.5	44.0	42.9	41.8	40.7	39.6	39.1	39.0	38.9	38.8	38.7
100°	55.7	54.9	53.9	52.8	51.8	50.8	50.3	50.3	50.3	50.3	50.3
102.5°	67.2	66.4	65.9	65.4	64.9	64.3	63.9	63.6	63.3	62.9	62.6
105°	86.3	85.8	85.3	84.8	84.4	83.9	83.5	83.0	82.6	82.2	81.8
107.5°	106.8	106.5	106.2	105.8	105.4	105.1	104.7	104.3	103.9	103.5	103.1
110°	120.9	120.6	120.4	120.2	119.9	119.7	119.4	119.0	118.6	118.2	117.8



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	135.1	135.0	134.7	134.4	134.1	133.8	133.6	133.3	133.1	132.9	132.7
115°	156.9	156.9	156.8	156.6	156.5	156.3	156.1	155.7	155.4	155.0	154.7
117.5°	178.2	178.2	178.0	177.8	177.8	177.6	177.4	177.3	177.1	177.0	176.9
120°	192.8	192.8	192.7	192.7	192.6	192.5	192.3	191.9	191.5	191.1	190.7
122.5°	207.1	207.2	207.0	206.8	206.5	206.4	206.1	206.0	205.9	205.7	205.6
125°	228.2	228.4	228.3	228.2	228.1	228.1	227.8	227.3	226.8	226.3	225.9
127.5°	249.0	249.1	248.9	248.8	248.7	248.7	248.5	248.2	248.0	247.6	247.4
130°	262.8	262.8	262.7	262.5	262.4	262.2	261.9	261.5	261.1	260.7	260.3
132.5°	275.9	276.0	276.1	276.1	276.2	276.2	275.8	275.2	274.6	273.9	273.2
135°	296.2	296.2	296.1	296.0	296.0	295.9	295.6	295.2	294.7	294.2	293.7
137.5°	315.9	315.8	315.6	315.4	315.3	315.1	314.8	314.3	313.9	313.4	312.9
140°	328.4	328.2	328.0	327.7	327.5	327.3	326.9	326.5	326.1	325.7	325.3
142.5°	340.6	340.6	340.2	339.9	339.6	339.3	339.0	338.7	338.3	337.9	337.6
145°	358.3	358.3	358.1	357.8	357.6	357.4	357.1	356.8	356.5	356.2	355.8
147.5°	374.5	374.3	374.1	373.9	373.7	373.5	373.4	373.1	373.0	372.8	372.6
150°	384.9	384.9	384.6	384.3	384.0	383.7	383.5	383.6	383.7	383.7	383.8
152.5°	394.3	394.1	394.0	393.9	393.7	393.6	393.5	393.3	393.2	393.2	393.0
155°	407.8	407.5	407.4	407.3	407.3	407.2	407.2	407.2	407.2	407.2	407.2
157.5°	419.7	419.4	419.3	419.2	419.1	419.1	419.1	419.3	419.5	419.6	419.8
160°	426.9	426.5	426.4	426.4	426.3	426.2	426.3	426.5	426.7	427.1	427.3
162.5°	433.6	433.2	433.2	433.1	433.1	433.1	433.2	433.3	433.6	433.7	433.9
165°	442.7	442.4	442.3	442.2	442.1	442.0	442.0	442.2	442.4	442.5	442.7
167.5°	449.2	448.8	448.8	448.8	448.8	448.8	448.9	449.2	449.6	449.9	450.2
170°	453.2	452.7	452.7	452.7	452.7	452.7	452.9	453.2	453.5	453.8	454.2
172.5°	456.1	455.7	455.7	455.7	455.7	455.7	455.8	456.1	456.5	456.8	457.1
175°	459.3	458.8	458.8	458.8	458.8	458.8	459.0	459.3	459.6	459.9	460.3
177.5°	460.9	460.5	460.6	460.7	460.7	460.7	460.9	461.2	461.4	461.7	461.9
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1006.9	1010.0	1014.2	1019.1	1023.1	1027.4	1029.7	1029.7	1031.7	1035.9	1041.5
5°	1009.9	1020.6	1030.8	1044.0	1054.2	1066.2	1075.2	1083.9	1091.7	1101.5	1111.8
7.5°	1009.0	1026.7	1045.3	1066.0	1088.9	1107.1	1125.8	1140.4	1154.8	1173.8	1188.7
10°	1005.8	1028.7	1053.8	1080.1	1109.0	1134.1	1156.7	1177.3	1197.0	1217.6	1236.0
12.5°	999.8	1029.1	1059.8	1091.4	1127.8	1156.4	1185.7	1207.5	1230.6	1253.1	1275.9
15°	990.9	1025.5	1062.5	1106.5	1151.0	1183.0	1211.8	1240.2	1261.6	1287.1	1308.9
17.5°	972.6	1017.1	1063.7	1111.7	1154.4	1191.8	1221.9	1248.9	1271.7	1299.7	1329.4
20°	961.7	1009.9	1058.4	1109.8	1150.5	1188.7	1218.0	1245.9	1274.3	1310.9	1347.1
22.5°	946.6	998.0	1049.5	1098.3	1141.3	1178.2	1208.4	1242.7	1279.9	1321.4	1365.2
25°	922.7	975.7	1026.7	1073.2	1115.2	1153.0	1194.1	1240.2	1285.5	1340.1	1403.1
27.5°	892.3	943.4	989.0	1038.1	1079.7	1127.9	1179.2	1229.2	1294.4	1369.7	1448.3
30°	869.6	918.1	961.3	1007.8	1055.1	1108.2	1165.8	1224.6	1302.3	1390.8	1484.2
32.5°	843.3	887.2	930.0	974.9	1029.4	1087.7	1149.0	1220.9	1313.8	1414.4	1511.1
35°	797.6	837.1	878.6	928.4	986.4	1049.7	1127.9	1215.5	1327.8	1436.0	1522.8
37.5°	749.7	780.9	822.6	875.1	938.3	1011.5	1100.3	1206.7	1322.1	1419.1	1456.0
40°	712.9	742.0	786.1	841.2	903.7	983.9	1083.5	1192.9	1308.9	1376.3	1373.5
42.5°	676.3	705.8	748.2	803.7	868.9	958.6	1061.1	1174.8	1272.7	1298.4	1244.8
45°	620.3	647.8	689.4	745.4	815.3	909.5	1017.2	1126.2	1188.7	1147.2	1041.1
47.5°	563.2	589.9	628.5	683.3	759.6	858.3	960.1	1049.6	1058.4	969.2	841.9
50°	525.7	550.8	587.4	645.8	719.9	816.1	914.4	984.8	963.0	854.0	722.7
52.5°	489.2	513.3	547.6	602.7	678.3	772.7	860.5	915.6	865.2	749.3	631.2
55°	435.2	458.2	492.8	543.4	612.0	698.5	775.4	795.5	721.5	604.7	509.2
57.5°	384.0	400.8	435.0	479.7	545.9	622.1	677.2	673.6	591.9	486.7	418.3
60°	350.1	365.3	397.8	438.9	501.8	570.1	608.8	592.3	509.6	422.9	357.0
62.5°	318.5	332.7	359.9	397.8	451.8	511.2	539.3	516.7	438.6	362.3	310.0
65°	270.7	280.9	302.8	337.7	380.1	421.2	446.3	413.0	343.9	286.3	246.8
67.5°	226.0	234.9	254.3	279.4	308.6	337.0	347.1	315.9	262.2	223.4	195.6
70°	197.0	205.3	218.4	241.9	261.2	281.4	286.3	258.3	213.5	183.9	166.6
72.5°	169.4	177.0	188.5	205.0	218.4	230.0	232.3	206.4	172.0	151.6	138.3
75°	129.1	135.8	143.1	149.3	158.0	160.0	159.1	139.0	120.5	106.9	99.6
77.5°	94.9	97.7	102.2	104.6	105.0	104.9	100.7	87.9	78.4	72.8	69.8
80°	73.2	75.3	76.5	77.3	77.7	73.6	69.1	61.3	58.0	54.7	51.0
82.5°	53.2	54.6	55.8	55.9	53.7	50.3	46.1	42.2	39.9	38.3	36.8
85°	28.8	29.2	28.8	26.8	23.8	22.7	21.8	21.0	20.6	20.1	20.1
87.5°	10.4	9.5	8.0	8.5	8.6	8.4	8.5	8.2	8.1	8.2	8.2
90°	1.0	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.8	6.2	6.6
92.5°	9.1	9.6	10.1	10.5	11.0	11.7	12.4	13.1	13.8	14.3	14.8
95°	23.5	23.7	23.8	24.0	24.5	25.3	26.1	26.9	27.6	28.2	28.8
97.5°	38.8	38.9	39.0	39.1	39.6	40.7	41.8	42.9	44.0	44.5	45.1
100°	50.3	50.3	50.3	50.3	50.8	51.8	52.8	53.9	54.9	55.7	56.4
102.5°	62.9	63.3	63.6	63.9	64.3	64.9	65.4	65.9	66.4	67.2	68.0
105°	82.2	82.6	83.0	83.5	83.9	84.4	84.8	85.3	85.8	86.3	86.7
107.5°	103.5	103.9	104.3	104.7	105.1	105.4	105.8	106.2	106.5	106.8	107.0
110°	118.2	118.6	119.0	119.4	119.7	119.9	120.2	120.4	120.6	120.9	121.1



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	132.9	133.1	133.3	133.6	133.8	134.1	134.4	134.7	135.0	135.1	135.2
115°	155.0	155.4	155.7	156.1	156.3	156.5	156.6	156.8	156.9	156.9	156.8
117.5°	177.0	177.1	177.3	177.4	177.6	177.8	177.8	178.0	178.2	178.2	178.3
120°	191.1	191.5	191.9	192.3	192.5	192.6	192.7	192.7	192.8	192.8	192.8
122.5°	205.7	205.9	206.0	206.1	206.4	206.5	206.8	207.0	207.2	207.1	207.1
125°	226.3	226.8	227.3	227.8	228.1	228.1	228.2	228.3	228.4	228.2	228.1
127.5°	247.6	248.0	248.2	248.5	248.7	248.7	248.8	248.9	249.1	249.0	248.9
130°	260.7	261.1	261.5	261.9	262.2	262.4	262.5	262.7	262.8	262.8	262.7
132.5°	273.9	274.6	275.2	275.8	276.2	276.2	276.1	276.1	276.0	275.9	275.8
135°	294.2	294.7	295.2	295.6	295.9	296.0	296.0	296.1	296.2	296.2	296.2
137.5°	313.4	313.9	314.3	314.8	315.1	315.3	315.4	315.6	315.8	315.9	316.0
140°	325.7	326.1	326.5	326.9	327.3	327.5	327.7	328.0	328.2	328.4	328.5
142.5°	337.9	338.3	338.7	339.0	339.3	339.6	339.9	340.2	340.6	340.6	340.7
145°	356.2	356.5	356.8	357.1	357.4	357.6	357.8	358.1	358.3	358.3	358.3
147.5°	372.8	373.0	373.1	373.4	373.5	373.7	373.9	374.1	374.3	374.5	374.6
150°	383.7	383.7	383.6	383.5	383.7	384.0	384.3	384.6	384.9	384.9	384.9
152.5°	393.2	393.2	393.3	393.5	393.6	393.7	393.9	394.0	394.1	394.3	394.5
155°	407.2	407.2	407.2	407.2	407.2	407.3	407.3	407.4	407.5	407.8	408.1
157.5°	419.6	419.5	419.3	419.1	419.1	419.1	419.2	419.3	419.4	419.7	420.0
160°	427.1	426.7	426.5	426.3	426.2	426.3	426.4	426.4	426.5	426.9	427.2
162.5°	433.7	433.6	433.3	433.2	433.1	433.1	433.1	433.2	433.2	433.6	434.0
165°	442.5	442.4	442.2	442.0	442.0	442.1	442.2	442.3	442.4	442.7	443.0
167.5°	449.9	449.6	449.2	448.9	448.8	448.8	448.8	448.8	448.8	449.2	449.7
170°	453.8	453.5	453.2	452.9	452.7	452.7	452.7	452.7	452.7	453.2	453.7
172.5°	456.8	456.5	456.1	455.8	455.7	455.7	455.7	455.7	455.7	456.1	456.6
175°	459.9	459.6	459.3	459.0	458.8	458.8	458.8	458.8	458.8	459.3	459.8
177.5°	461.7	461.4	461.2	460.9	460.7	460.7	460.7	460.6	460.5	460.9	461.3
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1045.8	1045.8	1051.4	1051.1	1054.7	1053.4	1054.0
5°	1124.2	1131.2	1137.3	1141.5	1147.6	1149.3	1148.4
7.5°	1205.5	1221.0	1228.6	1239.0	1240.9	1246.3	1245.7
10°	1255.8	1271.1	1282.5	1291.6	1296.2	1301.9	1302.3
12.5°	1295.3	1308.2	1318.4	1326.8	1332.3	1334.1	1335.2
15°	1326.2	1340.5	1352.5	1364.4	1371.4	1376.7	1379.7
17.5°	1357.2	1379.5	1400.5	1416.7	1426.5	1434.6	1434.6
20°	1381.2	1406.8	1433.1	1451.6	1470.5	1478.8	1480.0
22.5°	1406.9	1446.0	1479.9	1508.6	1533.4	1542.0	1545.2
25°	1460.2	1511.2	1563.5	1603.9	1632.6	1649.5	1651.9
27.5°	1524.6	1593.7	1648.7	1685.8	1709.8	1722.3	1725.0
30°	1570.1	1633.9	1683.2	1711.2	1722.3	1723.9	1717.8
32.5°	1590.5	1638.2	1657.9	1656.2	1634.4	1619.9	1614.4
35°	1565.6	1555.7	1507.5	1450.0	1406.0	1378.0	1370.6
37.5°	1424.7	1339.6	1251.0	1164.0	1117.7	1094.2	1053.7
40°	1285.9	1164.5	1072.4	999.2	946.9	904.9	895.1
42.5°	1129.2	1003.9	911.8	849.1	807.4	778.6	766.0
45°	907.4	799.6	723.6	675.4	643.3	622.3	612.9
47.5°	725.8	642.4	586.9	551.3	526.9	508.6	503.5
50°	626.1	559.4	512.5	482.5	464.0	450.0	444.3
52.5°	543.8	490.0	453.9	429.2	411.7	403.0	398.2
55°	448.8	402.3	376.4	356.6	346.7	339.8	336.4
57.5°	367.0	333.4	314.5	300.9	291.8	287.2	285.7
60°	321.2	294.9	277.7	267.0	260.8	255.0	253.4
62.5°	280.7	260.1	246.7	237.3	231.2	228.7	227.8
65°	226.2	212.7	202.8	197.0	192.1	191.3	190.8
67.5°	179.8	171.8	166.7	160.7	158.9	156.1	155.5
70°	153.8	148.5	142.4	140.3	138.2	135.3	135.8
72.5°	130.5	125.2	121.0	118.2	117.5	116.2	117.3
75°	95.5	93.8	92.1	90.1	89.3	89.3	88.9
77.5°	68.1	66.7	64.9	63.7	63.5	61.7	62.3
80°	49.4	47.3	46.5	46.9	45.6	45.2	45.2
82.5°	36.5	35.8	34.9	35.0	34.8	34.4	34.7
85°	20.1	19.7	19.7	19.3	19.3	18.9	18.9
87.5°	8.6	9.0	8.5	8.2	8.2	8.6	9.0
90°	7.0	7.4	7.7	7.9	8.2	8.4	8.6
92.5°	15.4	15.9	16.2	16.4	16.6	16.8	17.0
95°	29.3	29.9	30.3	30.4	30.6	30.7	30.9
97.5°	45.6	46.1	46.4	46.5	46.7	46.7	46.8
100°	57.1	57.8	58.2	58.4	58.5	58.7	58.9
102.5°	68.8	69.6	70.0	70.3	70.5	70.7	71.0
105°	87.2	87.7	88.1	88.3	88.6	88.8	89.0
107.5°	107.3	107.5	107.7	107.7	107.6	107.6	107.6
110°	121.4	121.6	121.7	121.6	121.5	121.4	121.4



TEST NUMBER: P333681-927

CATALOG NUMBER: S125RDIW-S850D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	135.3	135.5	135.5	135.3	135.1	135.0	134.8
115°	156.7	156.6	156.5	156.5	156.4	156.3	156.2
117.5°	178.3	178.4	178.3	178.0	177.7	177.3	177.0
120°	192.8	192.8	192.7	192.3	192.0	191.7	191.4
122.5°	207.0	206.9	206.8	206.5	206.3	206.0	205.7
125°	227.9	227.8	227.6	227.5	227.4	227.4	227.3
127.5°	248.8	248.7	248.6	248.4	248.3	248.1	248.0
130°	262.6	262.5	262.4	262.2	262.1	261.9	261.7
132.5°	275.8	275.7	275.6	275.4	275.1	274.9	274.6
135°	296.2	296.2	296.0	295.7	295.4	295.1	294.8
137.5°	316.1	316.2	316.1	315.7	315.3	314.8	314.4
140°	328.7	328.8	328.7	328.3	327.9	327.5	327.1
142.5°	340.8	340.9	340.7	340.3	339.9	339.5	339.1
145°	358.3	358.3	358.2	358.0	357.7	357.5	357.3
147.5°	374.9	375.0	374.9	374.3	373.8	373.2	372.7
150°	384.9	384.9	384.8	384.7	384.5	384.4	384.2
152.5°	394.7	394.8	394.8	394.5	394.3	394.0	393.6
155°	408.4	408.8	408.8	408.4	408.0	407.6	407.2
157.5°	420.3	420.6	420.6	420.0	419.5	419.0	418.4
160°	427.5	427.9	427.8	427.4	427.0	426.6	426.2
162.5°	434.3	434.7	434.7	434.2	433.7	433.2	432.8
165°	443.3	443.6	443.5	443.1	442.6	442.1	441.6
167.5°	450.2	450.7	450.7	450.1	449.6	449.2	448.7
170°	454.2	454.7	454.6	454.1	453.5	453.0	452.4
172.5°	457.1	457.6	457.6	457.0	456.5	456.1	455.6
175°	460.3	460.8	460.7	460.2	459.6	459.1	458.5
177.5°	461.7	462.1	462.0	461.6	461.1	460.7	460.3
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4

(END OF REPORT)