

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: P333563-930

Luminaire Tested: **S125RDIP-S850D810U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333563-930
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-S850D810U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4959.6 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

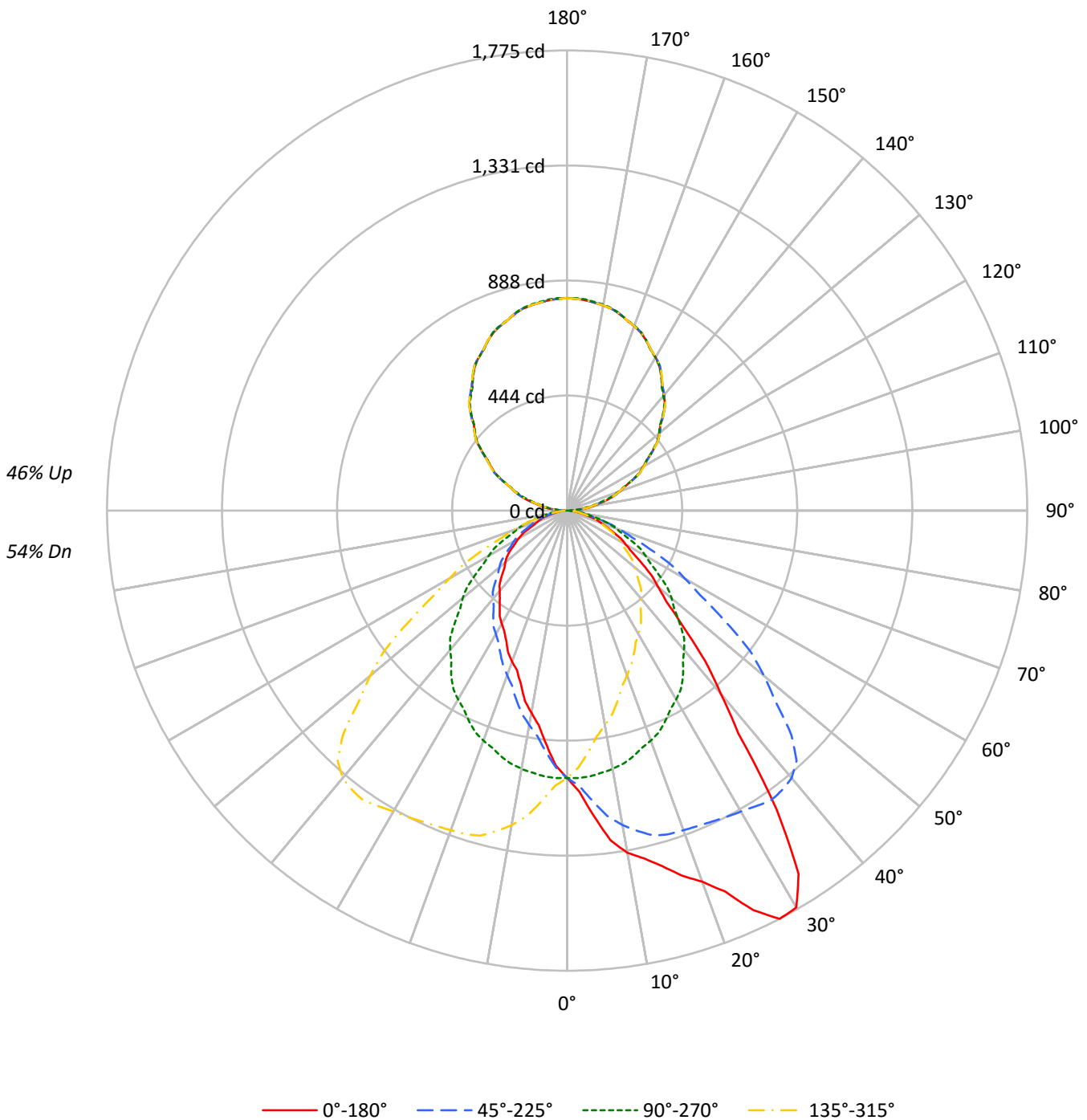
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	47	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	25	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

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



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	2.0
10°-20°	289.8	5.8
20°-30°	459.5	9.3
30°-40°	554.1	11.2
40°-50°	494.9	10.0
50°-60°	379.5	7.7
60°-70°	246.6	5.0
70°-80°	119.9	2.4
80°-90°	30.4	0.6
90°-100°	54.9	1.1
100°-110°	162.0	3.3
110°-120°	274.4	5.5
120°-130°	361.2	7.3
130°-140°	404.7	8.2
140°-150°	396.7	8.0
150°-160°	333.1	6.7
160°-170°	221.5	4.5
170°-180°	77.5	1.6
0°-30°	848.2	17.1
0°-40°	1402.4	28.3
0°-60°	2276.7	45.9
0°-90°	2673.6	53.9
90°-120°	491.4	9.9
90°-150°	1653.9	33.3
90°-180°	2286.0	46.1
0°-180°	4959.6	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°	15	1	15	1	15	10
95°	55	41	55	41	55	56
105°	158	145	158	145	158	168
115°	277	275	277	275	277	274
125°	404	401	404	401	404	360
135°	523	522	523	522	523	404
145°	634	632	634	632	634	396
155°	723	723	723	723	723	333
165°	784	786	784	786	784	221
175°	814	817	814	817	814	77
180°	819	819	819	819	819	



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

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°	10.5	10.1	9.7	9.5	9.9	10.4	9.9	9.5	9.3	9.1	9.3
90°	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.6	10.9	10.2	9.2
92.5°	30.1	29.8	29.4	29.2	28.9	28.2	27.3	26.3	25.4	24.5	23.2
95°	54.8	54.5	54.3	54.0	53.7	53.1	52.1	51.0	50.1	49.1	47.7
97.5°	83.2	83.0	82.8	82.6	82.4	81.9	81.0	80.1	79.1	78.2	76.2
100°	104.5	104.3	104.0	103.7	103.5	102.6	101.3	100.1	98.8	97.5	95.7
102.5°	126.0	125.6	125.1	124.8	124.4	123.5	122.1	120.7	119.4	118.0	117.0
105°	158.1	157.7	157.3	156.9	156.4	155.8	154.9	154.1	153.2	152.4	151.5
107.5°	191.0	191.0	191.0	191.1	191.1	190.9	190.5	190.0	189.6	189.2	188.6
110°	215.5	215.6	215.7	215.9	216.1	215.9	215.5	215.1	214.7	214.2	213.8



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	239.5	239.7	239.9	240.2	240.5	240.5	240.3	240.1	239.9	239.7	239.2
115°	277.4	277.4	277.6	277.8	277.9	278.0	278.2	278.3	278.4	278.6	278.3
117.5°	314.3	314.9	315.4	316.0	316.6	316.8	316.7	316.6	316.4	316.3	316.1
120°	339.8	340.4	341.0	341.5	342.1	342.3	342.3	342.3	342.3	342.3	342.2
122.5°	365.3	365.7	366.2	366.6	367.1	367.4	367.5	367.6	367.7	367.9	367.5
125°	403.6	403.7	403.8	404.0	404.1	404.3	404.6	404.9	405.2	405.4	405.3
127.5°	440.3	440.6	440.8	441.2	441.4	441.6	441.7	441.9	442.1	442.2	442.1
130°	464.7	465.0	465.3	465.6	465.9	466.1	466.3	466.4	466.5	466.7	466.4
132.5°	487.7	488.1	488.5	488.9	489.3	489.6	489.7	489.8	490.0	490.2	490.2
135°	523.4	524.0	524.6	525.1	525.7	525.9	525.9	525.9	525.9	525.9	525.8
137.5°	558.3	559.1	559.8	560.4	561.2	561.4	561.3	561.1	560.9	560.8	560.4
140°	580.8	581.5	582.2	582.9	583.6	583.8	583.5	583.3	583.0	582.7	582.3
142.5°	602.2	602.9	603.6	604.3	605.0	605.3	605.1	605.0	604.8	604.6	604.1
145°	634.3	634.8	635.2	635.6	636.0	636.3	636.3	636.3	636.3	636.3	635.9
147.5°	661.8	662.8	663.7	664.6	665.6	665.9	665.6	665.2	664.9	664.6	664.2
150°	682.2	682.4	682.7	683.0	683.3	683.5	683.5	683.5	683.5	683.5	682.9
152.5°	699.0	699.5	700.0	700.5	701.0	701.1	700.7	700.4	700.1	699.8	699.5
155°	722.9	723.7	724.4	725.0	725.8	725.9	725.3	724.7	724.1	723.6	723.4
157.5°	743.0	743.9	744.9	745.8	746.7	746.9	746.3	745.8	745.2	744.6	744.4
160°	756.8	757.4	758.1	758.9	759.6	759.6	759.0	758.6	758.0	757.4	757.2
162.5°	768.5	769.3	770.1	770.9	771.8	771.8	771.2	770.5	769.8	769.2	769.1
165°	784.2	785.0	785.9	786.7	787.6	787.7	787.2	786.6	786.0	785.5	785.3
167.5°	796.6	797.5	798.4	799.3	800.1	800.2	799.3	798.5	797.6	796.8	796.8
170°	803.3	804.3	805.3	806.2	807.2	807.3	806.5	805.6	804.8	803.9	803.9
172.5°	808.9	809.8	810.7	811.5	812.4	812.4	811.5	810.7	809.8	809.0	809.0
175°	814.2	815.1	816.1	817.1	818.1	818.2	817.3	816.4	815.6	814.7	814.7
177.5°	817.2	818.0	818.8	819.5	820.4	820.4	819.7	819.0	818.4	817.7	817.8
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

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°	9.5	9.2	9.4	9.1	8.6	10.0	10.8	10.9	10.5	10.0	9.6
90°	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7	1.8	2.9	4.1
92.5°	22.0	20.8	19.6	18.6	17.8	17.0	16.2	15.4	16.2	17.0	17.8
95°	46.2	44.8	43.5	42.6	42.3	42.0	41.7	41.4	41.7	42.0	42.3
97.5°	74.3	72.3	70.4	69.3	69.2	69.1	69.0	68.9	69.0	69.1	69.2
100°	93.8	92.0	90.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
102.5°	116.1	115.1	114.2	113.5	112.9	112.3	111.8	111.2	111.8	112.3	112.9
105°	150.7	149.9	149.0	148.2	147.5	146.8	146.1	145.4	146.1	146.8	147.5
107.5°	187.9	187.3	186.6	186.0	185.2	184.5	183.8	183.1	183.8	184.5	185.2
110°	213.4	213.0	212.5	212.0	211.2	210.5	209.9	209.1	209.9	210.5	211.2



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	238.6	238.1	237.6	237.1	236.8	236.4	236.0	235.6	236.0	236.4	236.8
115°	278.0	277.8	277.4	277.0	276.5	275.9	275.3	274.8	275.3	275.9	276.5
117.5°	315.8	315.6	315.4	315.0	314.8	314.5	314.3	314.1	314.3	314.5	314.8
120°	342.1	341.9	341.8	341.4	340.6	340.0	339.2	338.5	339.2	340.0	340.6
122.5°	367.1	366.7	366.4	366.1	365.8	365.6	365.3	365.0	365.3	365.6	365.8
125°	405.2	405.0	404.9	404.4	403.6	402.7	401.9	401.0	401.9	402.7	403.6
127.5°	441.8	441.6	441.5	441.2	440.7	440.2	439.8	439.3	439.8	440.2	440.7
130°	466.1	465.8	465.5	465.0	464.3	463.7	462.9	462.2	462.9	463.7	464.3
132.5°	490.2	490.3	490.3	489.8	488.6	487.5	486.3	485.2	486.3	487.5	488.6
135°	525.7	525.5	525.4	524.9	524.1	523.2	522.4	521.5	522.4	523.2	524.1
137.5°	560.1	559.9	559.5	559.0	558.2	557.3	556.5	555.7	556.5	557.3	558.2
140°	581.9	581.4	581.0	580.4	579.8	579.0	578.3	577.6	578.3	579.0	579.8
142.5°	603.6	603.0	602.5	601.9	601.3	600.7	600.1	599.6	600.1	600.7	601.3
145°	635.4	635.0	634.5	634.1	633.5	632.9	632.3	631.8	632.3	632.9	633.5
147.5°	663.9	663.6	663.2	662.8	662.6	662.3	661.9	661.6	661.9	662.3	662.6
150°	682.3	681.8	681.2	680.9	681.1	681.3	681.3	681.5	681.3	681.3	681.1
152.5°	699.3	699.0	698.9	698.6	698.5	698.2	698.1	697.8	698.1	698.2	698.5
155°	723.3	723.2	723.0	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
157.5°	744.4	744.2	744.0	744.1	744.4	744.8	745.1	745.4	745.1	744.8	744.4
160°	757.1	756.9	756.8	756.9	757.4	757.8	758.2	758.6	758.2	757.8	757.4
162.5°	769.1	769.0	769.0	769.2	769.5	769.7	770.1	770.4	770.1	769.7	769.5
165°	785.1	785.0	784.9	785.0	785.2	785.5	785.8	786.1	785.8	785.5	785.2
167.5°	796.8	796.8	796.8	797.0	797.6	798.2	798.7	799.3	798.7	798.2	797.6
170°	803.9	803.9	803.9	804.2	804.8	805.4	805.9	806.5	805.9	805.4	804.8
172.5°	809.0	809.0	809.0	809.3	809.8	810.4	811.0	811.5	811.0	810.4	809.8
175°	814.7	814.7	814.7	815.1	815.6	816.2	816.8	817.3	816.8	816.2	815.6
177.5°	817.9	818.1	818.2	818.4	818.9	819.4	819.8	820.3	819.8	819.4	818.9
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

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°	9.5	9.7	9.5	10.4	9.6	10.2	10.3	10.1	10.3	10.4	10.2
90°	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.6	12.3	13.0	13.6
92.5°	18.6	19.6	20.8	22.0	23.2	24.5	25.4	26.3	27.3	28.2	28.9
95°	42.6	43.5	44.8	46.2	47.7	49.1	50.1	51.0	52.1	53.1	53.7
97.5°	69.3	70.4	72.3	74.3	76.2	78.2	79.1	80.1	81.0	81.9	82.4
100°	89.3	90.2	92.0	93.8	95.7	97.5	98.8	100.1	101.3	102.6	103.5
102.5°	113.5	114.2	115.1	116.1	117.0	118.0	119.4	120.7	122.1	123.5	124.4
105°	148.2	149.0	149.9	150.7	151.5	152.4	153.2	154.1	154.9	155.8	156.4
107.5°	186.0	186.6	187.3	187.9	188.6	189.2	189.6	190.0	190.5	190.9	191.1
110°	212.0	212.5	213.0	213.4	213.8	214.2	214.7	215.1	215.5	215.9	216.1



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.1	237.6	238.1	238.6	239.2	239.7	239.9	240.1	240.3	240.5	240.5
115°	277.0	277.4	277.8	278.0	278.3	278.6	278.4	278.3	278.2	278.0	277.9
117.5°	315.0	315.4	315.6	315.8	316.1	316.3	316.4	316.6	316.7	316.8	316.6
120°	341.4	341.8	341.9	342.1	342.2	342.3	342.3	342.3	342.3	342.3	342.1
122.5°	366.1	366.4	366.7	367.1	367.5	367.9	367.7	367.6	367.5	367.4	367.1
125°	404.4	404.9	405.0	405.2	405.3	405.4	405.2	404.9	404.6	404.3	404.1
127.5°	441.2	441.5	441.6	441.8	442.1	442.2	442.1	441.9	441.7	441.6	441.4
130°	465.0	465.5	465.8	466.1	466.4	466.7	466.5	466.4	466.3	466.1	465.9
132.5°	489.8	490.3	490.3	490.2	490.2	490.2	490.0	489.8	489.7	489.6	489.3
135°	524.9	525.4	525.5	525.7	525.8	525.9	525.9	525.9	525.9	525.9	525.7
137.5°	559.0	559.5	559.9	560.1	560.4	560.8	560.9	561.1	561.3	561.4	561.2
140°	580.4	581.0	581.4	581.9	582.3	582.7	583.0	583.3	583.5	583.8	583.6
142.5°	601.9	602.5	603.0	603.6	604.1	604.6	604.8	605.0	605.1	605.3	605.0
145°	634.1	634.5	635.0	635.4	635.9	636.3	636.3	636.3	636.3	636.3	636.0
147.5°	662.8	663.2	663.6	663.9	664.2	664.6	664.9	665.2	665.6	665.9	665.6
150°	680.9	681.2	681.8	682.3	682.9	683.5	683.5	683.5	683.5	683.5	683.3
152.5°	698.6	698.9	699.0	699.3	699.5	699.8	700.1	700.4	700.7	701.1	701.0
155°	722.9	723.0	723.2	723.3	723.4	723.6	724.1	724.7	725.3	725.9	725.8
157.5°	744.1	744.0	744.2	744.4	744.4	744.6	745.2	745.8	746.3	746.9	746.7
160°	756.9	756.8	756.9	757.1	757.2	757.4	758.0	758.6	759.0	759.6	759.6
162.5°	769.2	769.0	769.0	769.1	769.1	769.2	769.8	770.5	771.2	771.8	771.8
165°	785.0	784.9	785.0	785.1	785.3	785.5	786.0	786.6	787.2	787.7	787.6
167.5°	797.0	796.8	796.8	796.8	796.8	796.8	797.6	798.5	799.3	800.2	800.1
170°	804.2	803.9	803.9	803.9	803.9	803.9	804.8	805.6	806.5	807.3	807.2
172.5°	809.3	809.0	809.0	809.0	809.0	809.0	809.8	810.7	811.5	812.4	812.4
175°	815.1	814.7	814.7	814.7	814.7	814.7	815.6	816.4	817.3	818.2	818.1
177.5°	818.4	818.2	818.1	817.9	817.8	817.7	818.4	819.0	819.7	820.4	820.4
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

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°	10.6	10.4	10.4	10.5	10.4	10.4	10.6	10.2	10.4	10.3	10.1
90°	14.0	14.4	14.8	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.6
92.5°	29.2	29.4	29.8	30.1	29.8	29.4	29.2	28.9	28.2	27.3	26.3
95°	54.0	54.3	54.5	54.8	54.5	54.3	54.0	53.7	53.1	52.1	51.0
97.5°	82.6	82.8	83.0	83.2	83.0	82.8	82.6	82.4	81.9	81.0	80.1
100°	103.7	104.0	104.3	104.5	104.3	104.0	103.7	103.5	102.6	101.3	100.1
102.5°	124.8	125.1	125.6	126.0	125.6	125.1	124.8	124.4	123.5	122.1	120.7
105°	156.9	157.3	157.7	158.1	157.7	157.3	156.9	156.4	155.8	154.9	154.1
107.5°	191.1	191.0	191.0	191.0	191.0	191.0	191.1	191.1	190.9	190.5	190.0
110°	215.9	215.7	215.6	215.5	215.6	215.7	215.9	216.1	215.9	215.5	215.1



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.2	239.9	239.7	239.5	239.7	239.9	240.2	240.5	240.5	240.3	240.1
115°	277.8	277.6	277.4	277.4	277.4	277.6	277.8	277.9	278.0	278.2	278.3
117.5°	316.0	315.4	314.9	314.3	314.9	315.4	316.0	316.6	316.8	316.7	316.6
120°	341.5	341.0	340.4	339.8	340.4	341.0	341.5	342.1	342.3	342.3	342.3
122.5°	366.6	366.2	365.7	365.3	365.7	366.2	366.6	367.1	367.4	367.5	367.6
125°	404.0	403.8	403.7	403.6	403.7	403.8	404.0	404.1	404.3	404.6	404.9
127.5°	441.2	440.8	440.6	440.3	440.6	440.8	441.2	441.4	441.6	441.7	441.9
130°	465.6	465.3	465.0	464.7	465.0	465.3	465.6	465.9	466.1	466.3	466.4
132.5°	488.9	488.5	488.1	487.7	488.1	488.5	488.9	489.3	489.6	489.7	489.8
135°	525.1	524.6	524.0	523.4	524.0	524.6	525.1	525.7	525.9	525.9	525.9
137.5°	560.4	559.8	559.1	558.3	559.1	559.8	560.4	561.2	561.4	561.3	561.1
140°	582.9	582.2	581.5	580.8	581.5	582.2	582.9	583.6	583.8	583.5	583.3
142.5°	604.3	603.6	602.9	602.2	602.9	603.6	604.3	605.0	605.3	605.1	605.0
145°	635.6	635.2	634.8	634.3	634.8	635.2	635.6	636.0	636.3	636.3	636.3
147.5°	664.6	663.7	662.8	661.8	662.8	663.7	664.6	665.6	665.9	665.6	665.2
150°	683.0	682.7	682.4	682.2	682.4	682.7	683.0	683.3	683.5	683.5	683.5
152.5°	700.5	700.0	699.5	699.0	699.5	700.0	700.5	701.0	701.1	700.7	700.4
155°	725.0	724.4	723.7	722.9	723.7	724.4	725.0	725.8	725.9	725.3	724.7
157.5°	745.8	744.9	743.9	743.0	743.9	744.9	745.8	746.7	746.9	746.3	745.8
160°	758.9	758.1	757.4	756.8	757.4	758.1	758.9	759.6	759.6	759.0	758.6
162.5°	770.9	770.1	769.3	768.5	769.3	770.1	770.9	771.8	771.8	771.2	770.5
165°	786.7	785.9	785.0	784.2	785.0	785.9	786.7	787.6	787.7	787.2	786.6
167.5°	799.3	798.4	797.5	796.6	797.5	798.4	799.3	800.1	800.2	799.3	798.5
170°	806.2	805.3	804.3	803.3	804.3	805.3	806.2	807.2	807.3	806.5	805.6
172.5°	811.5	810.7	809.8	808.9	809.8	810.7	811.5	812.4	812.4	811.5	810.7
175°	817.1	816.1	815.1	814.2	815.1	816.1	817.1	818.1	818.2	817.3	816.4
177.5°	819.5	818.8	818.0	817.2	818.0	818.8	819.5	820.4	820.4	819.7	819.0
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

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°	10.3	10.2	9.6	10.4	9.5	9.7	9.5	9.6	10.0	10.5	10.9
90°	10.9	10.2	9.2	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7
92.5°	25.4	24.5	23.2	22.0	20.8	19.6	18.6	17.8	17.0	16.2	15.4
95°	50.1	49.1	47.7	46.2	44.8	43.5	42.6	42.3	42.0	41.7	41.4
97.5°	79.1	78.2	76.2	74.3	72.3	70.4	69.3	69.2	69.1	69.0	68.9
100°	98.8	97.5	95.7	93.8	92.0	90.2	89.3	89.3	89.3	89.3	89.3
102.5°	119.4	118.0	117.0	116.1	115.1	114.2	113.5	112.9	112.3	111.8	111.2
105°	153.2	152.4	151.5	150.7	149.9	149.0	148.2	147.5	146.8	146.1	145.4
107.5°	189.6	189.2	188.6	187.9	187.3	186.6	186.0	185.2	184.5	183.8	183.1
110°	214.7	214.2	213.8	213.4	213.0	212.5	212.0	211.2	210.5	209.9	209.1



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	239.9	239.7	239.2	238.6	238.1	237.6	237.1	236.8	236.4	236.0	235.6
115°	278.4	278.6	278.3	278.0	277.8	277.4	277.0	276.5	275.9	275.3	274.8
117.5°	316.4	316.3	316.1	315.8	315.6	315.4	315.0	314.8	314.5	314.3	314.1
120°	342.3	342.3	342.2	342.1	341.9	341.8	341.4	340.6	340.0	339.2	338.5
122.5°	367.7	367.9	367.5	367.1	366.7	366.4	366.1	365.8	365.6	365.3	365.0
125°	405.2	405.4	405.3	405.2	405.0	404.9	404.4	403.6	402.7	401.9	401.0
127.5°	442.1	442.2	442.1	441.8	441.6	441.5	441.2	440.7	440.2	439.8	439.3
130°	466.5	466.7	466.4	466.1	465.8	465.5	465.0	464.3	463.7	462.9	462.2
132.5°	490.0	490.2	490.2	490.2	490.3	490.3	489.8	488.6	487.5	486.3	485.2
135°	525.9	525.9	525.8	525.7	525.5	525.4	524.9	524.1	523.2	522.4	521.5
137.5°	560.9	560.8	560.4	560.1	559.9	559.5	559.0	558.2	557.3	556.5	555.7
140°	583.0	582.7	582.3	581.9	581.4	581.0	580.4	579.8	579.0	578.3	577.6
142.5°	604.8	604.6	604.1	603.6	603.0	602.5	601.9	601.3	600.7	600.1	599.6
145°	636.3	636.3	635.9	635.4	635.0	634.5	634.1	633.5	632.9	632.3	631.8
147.5°	664.9	664.6	664.2	663.9	663.6	663.2	662.8	662.6	662.3	661.9	661.6
150°	683.5	683.5	682.9	682.3	681.8	681.2	680.9	681.1	681.3	681.3	681.5
152.5°	700.1	699.8	699.5	699.3	699.0	698.9	698.6	698.5	698.2	698.1	697.8
155°	724.1	723.6	723.4	723.3	723.2	723.0	722.9	722.9	722.9	722.9	722.9
157.5°	745.2	744.6	744.4	744.4	744.2	744.0	744.1	744.4	744.8	745.1	745.4
160°	758.0	757.4	757.2	757.1	756.9	756.8	756.9	757.4	757.8	758.2	758.6
162.5°	769.8	769.2	769.1	769.1	769.0	769.0	769.2	769.5	769.7	770.1	770.4
165°	786.0	785.5	785.3	785.1	785.0	784.9	785.0	785.2	785.5	785.8	786.1
167.5°	797.6	796.8	796.8	796.8	796.8	796.8	797.0	797.6	798.2	798.7	799.3
170°	804.8	803.9	803.9	803.9	803.9	803.9	804.2	804.8	805.4	805.9	806.5
172.5°	809.8	809.0	809.0	809.0	809.0	809.0	809.3	809.8	810.4	811.0	811.5
175°	815.6	814.7	814.7	814.7	814.7	814.7	815.1	815.6	816.2	816.8	817.3
177.5°	818.4	817.7	817.8	817.9	818.1	818.2	818.4	818.9	819.4	819.8	820.3
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

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°	10.8	10.0	8.6	9.1	9.4	9.2	9.5	9.3	9.1	9.3	9.5
90°	1.8	2.9	4.1	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.6
92.5°	16.2	17.0	17.8	18.6	19.6	20.8	22.0	23.2	24.5	25.4	26.3
95°	41.7	42.0	42.3	42.6	43.5	44.8	46.2	47.7	49.1	50.1	51.0
97.5°	69.0	69.1	69.2	69.3	70.4	72.3	74.3	76.2	78.2	79.1	80.1
100°	89.3	89.3	89.3	89.3	90.2	92.0	93.8	95.7	97.5	98.8	100.1
102.5°	111.8	112.3	112.9	113.5	114.2	115.1	116.1	117.0	118.0	119.4	120.7
105°	146.1	146.8	147.5	148.2	149.0	149.9	150.7	151.5	152.4	153.2	154.1
107.5°	183.8	184.5	185.2	186.0	186.6	187.3	187.9	188.6	189.2	189.6	190.0
110°	209.9	210.5	211.2	212.0	212.5	213.0	213.4	213.8	214.2	214.7	215.1



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	236.0	236.4	236.8	237.1	237.6	238.1	238.6	239.2	239.7	239.9	240.1
115°	275.3	275.9	276.5	277.0	277.4	277.8	278.0	278.3	278.6	278.4	278.3
117.5°	314.3	314.5	314.8	315.0	315.4	315.6	315.8	316.1	316.3	316.4	316.6
120°	339.2	340.0	340.6	341.4	341.8	341.9	342.1	342.2	342.3	342.3	342.3
122.5°	365.3	365.6	365.8	366.1	366.4	366.7	367.1	367.5	367.9	367.7	367.6
125°	401.9	402.7	403.6	404.4	404.9	405.0	405.2	405.3	405.4	405.2	404.9
127.5°	439.8	440.2	440.7	441.2	441.5	441.6	441.8	442.1	442.2	442.1	441.9
130°	462.9	463.7	464.3	465.0	465.5	465.8	466.1	466.4	466.7	466.5	466.4
132.5°	486.3	487.5	488.6	489.8	490.3	490.3	490.2	490.2	490.2	490.0	489.8
135°	522.4	523.2	524.1	524.9	525.4	525.5	525.7	525.8	525.9	525.9	525.9
137.5°	556.5	557.3	558.2	559.0	559.5	559.9	560.1	560.4	560.8	560.9	561.1
140°	578.3	579.0	579.8	580.4	581.0	581.4	581.9	582.3	582.7	583.0	583.3
142.5°	600.1	600.7	601.3	601.9	602.5	603.0	603.6	604.1	604.6	604.8	605.0
145°	632.3	632.9	633.5	634.1	634.5	635.0	635.4	635.9	636.3	636.3	636.3
147.5°	661.9	662.3	662.6	662.8	663.2	663.6	663.9	664.2	664.6	664.9	665.2
150°	681.3	681.3	681.1	680.9	681.2	681.8	682.3	682.9	683.5	683.5	683.5
152.5°	698.1	698.2	698.5	698.6	698.9	699.0	699.3	699.5	699.8	700.1	700.4
155°	722.9	722.9	722.9	722.9	723.0	723.2	723.3	723.4	723.6	724.1	724.7
157.5°	745.1	744.8	744.4	744.1	744.0	744.2	744.4	744.4	744.6	745.2	745.8
160°	758.2	757.8	757.4	756.9	756.8	756.9	757.1	757.2	757.4	758.0	758.6
162.5°	770.1	769.7	769.5	769.2	769.0	769.0	769.1	769.1	769.2	769.8	770.5
165°	785.8	785.5	785.2	785.0	784.9	785.0	785.1	785.3	785.5	786.0	786.6
167.5°	798.7	798.2	797.6	797.0	796.8	796.8	796.8	796.8	796.8	797.6	798.5
170°	805.9	805.4	804.8	804.2	803.9	803.9	803.9	803.9	803.9	804.8	805.6
172.5°	811.0	810.4	809.8	809.3	809.0	809.0	809.0	809.0	809.0	809.8	810.7
175°	816.8	816.2	815.6	815.1	814.7	814.7	814.7	814.7	814.7	815.6	816.4
177.5°	819.8	819.4	818.9	818.4	818.2	818.1	817.9	817.8	817.7	818.4	819.0
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

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°	9.9	10.4	9.9	9.5	9.7	10.1	10.5
90°	12.3	13.0	13.6	14.0	14.4	14.8	15.3
92.5°	27.3	28.2	28.9	29.2	29.4	29.8	30.1
95°	52.1	53.1	53.7	54.0	54.3	54.5	54.8
97.5°	81.0	81.9	82.4	82.6	82.8	83.0	83.2
100°	101.3	102.6	103.5	103.7	104.0	104.3	104.5
102.5°	122.1	123.5	124.4	124.8	125.1	125.6	126.0
105°	154.9	155.8	156.4	156.9	157.3	157.7	158.1
107.5°	190.5	190.9	191.1	191.1	191.0	191.0	191.0
110°	215.5	215.9	216.1	215.9	215.7	215.6	215.5



TEST NUMBER: P333563-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	240.3	240.5	240.5	240.2	239.9	239.7	239.5
115°	278.2	278.0	277.9	277.8	277.6	277.4	277.4
117.5°	316.7	316.8	316.6	316.0	315.4	314.9	314.3
120°	342.3	342.3	342.1	341.5	341.0	340.4	339.8
122.5°	367.5	367.4	367.1	366.6	366.2	365.7	365.3
125°	404.6	404.3	404.1	404.0	403.8	403.7	403.6
127.5°	441.7	441.6	441.4	441.2	440.8	440.6	440.3
130°	466.3	466.1	465.9	465.6	465.3	465.0	464.7
132.5°	489.7	489.6	489.3	488.9	488.5	488.1	487.7
135°	525.9	525.9	525.7	525.1	524.6	524.0	523.4
137.5°	561.3	561.4	561.2	560.4	559.8	559.1	558.3
140°	583.5	583.8	583.6	582.9	582.2	581.5	580.8
142.5°	605.1	605.3	605.0	604.3	603.6	602.9	602.2
145°	636.3	636.3	636.0	635.6	635.2	634.8	634.3
147.5°	665.6	665.9	665.6	664.6	663.7	662.8	661.8
150°	683.5	683.5	683.3	683.0	682.7	682.4	682.2
152.5°	700.7	701.1	701.0	700.5	700.0	699.5	699.0
155°	725.3	725.9	725.8	725.0	724.4	723.7	722.9
157.5°	746.3	746.9	746.7	745.8	744.9	743.9	743.0
160°	759.0	759.6	759.6	758.9	758.1	757.4	756.8
162.5°	771.2	771.8	771.8	770.9	770.1	769.3	768.5
165°	787.2	787.7	787.6	786.7	785.9	785.0	784.2
167.5°	799.3	800.2	800.1	799.3	798.4	797.5	796.6
170°	806.5	807.3	807.2	806.2	805.3	804.3	803.3
172.5°	811.5	812.4	812.4	811.5	810.7	809.8	808.9
175°	817.3	818.2	818.1	817.1	816.1	815.1	814.2
177.5°	819.7	820.4	820.4	819.5	818.8	818.0	817.2
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2

(END OF REPORT)