

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: P333562-930

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333562-930
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: S125RDIP-S850D810U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5314.9 lumens
Efficiency: N/A
Efficacy: 115.8 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

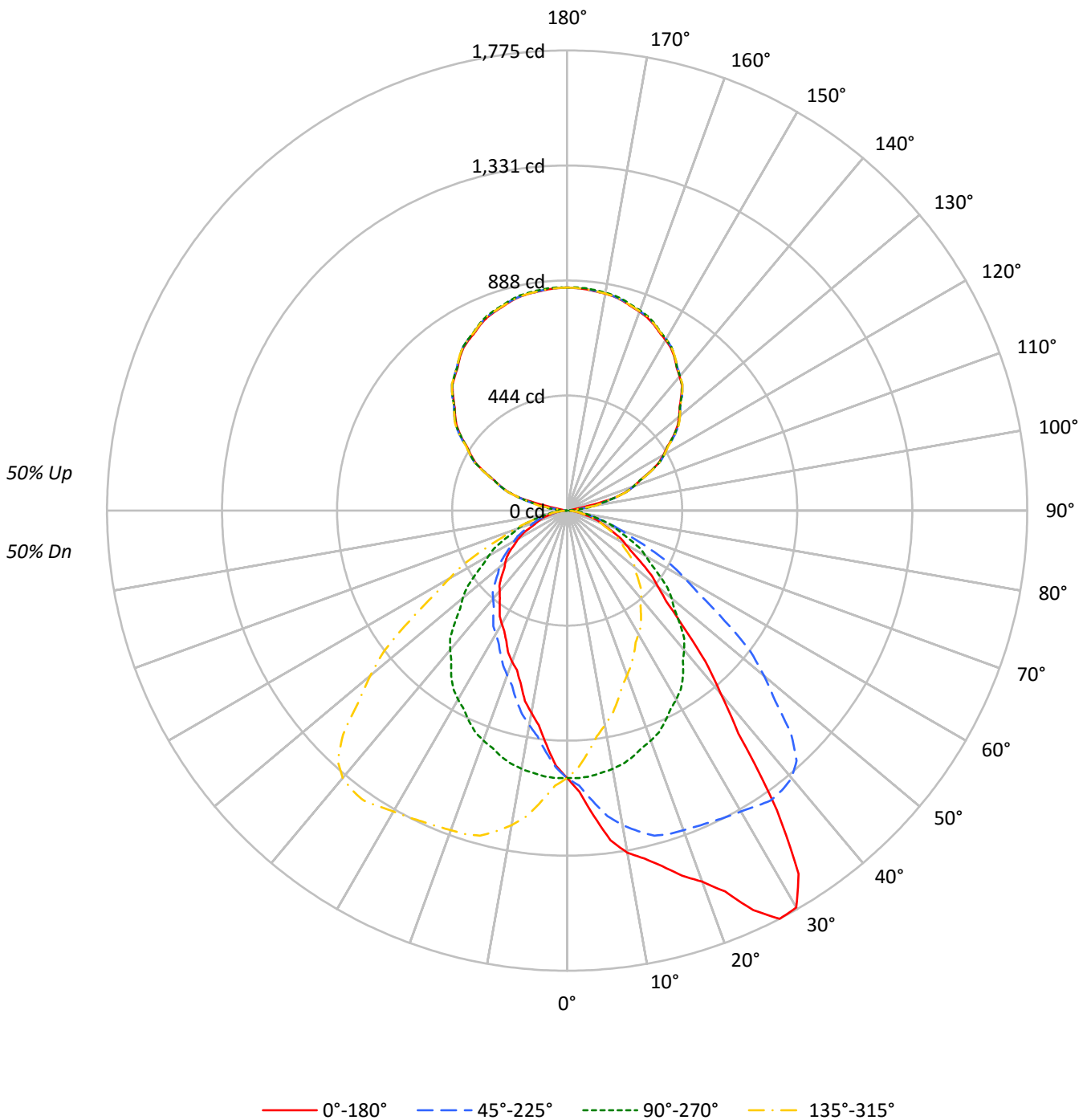
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50				
1	98	94	90	87	91	87	84	81	74	72	69	62	60	59	51	49	49	43				
2	90	83	77	72	83	77	71	67	65	61	58	55	52	50	45	43	41	37				
3	82	73	66	60	76	68	61	56	58	53	49	49	45	42	40	38	36	32				
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	33	31	27				
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	24				
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21				
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21	19				
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17				
9	51	39	32	27	47	36	30	25	32	26	23	27	23	20	23	20	17	15				
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14				

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	1.9
10°-20°	289.8	5.5
20°-30°	459.5	8.6
30°-40°	554.1	10.4
40°-50°	494.9	9.3
50°-60°	379.5	7.1
60°-70°	246.6	4.6
70°-80°	119.9	2.3
80°-90°	30.4	0.6
90°-100°	31.3	0.6
100°-110°	192.6	3.6
110°-120°	349.4	6.6
120°-130°	448.4	8.4
130°-140°	482.3	9.1
140°-150°	452.7	8.5
150°-160°	366.2	6.9
160°-170°	236.8	4.5
170°-180°	81.7	1.5
0°-30°	848.2	16.0
0°-40°	1402.4	26.4
0°-60°	2276.7	42.8
0°-90°	2673.6	50.3
90°-120°	573.3	10.8
90°-150°	1956.6	36.8
90°-180°	2641.0	49.7
0°-180°	5314.9	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	8
95°	13	36	13	36	13	11
105°	189	187	189	187	189	171
115°	349	352	349	352	349	347
125°	500	500	500	500	500	445
135°	622	624	622	624	622	480
145°	722	724	722	724	722	451
155°	791	797	791	797	791	365
165°	836	841	836	841	836	236
175°	856	860	856	860	856	81
180°	860	860	860	860	860	



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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°	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	11.7	10.9	10.2	9.2
92.5°	14.3	14.1	13.9	13.7	13.5	13.0	12.3	11.7	10.9	10.2	9.3
95°	13.4	13.4	13.4	13.4	13.4	13.0	12.3	11.7	10.9	10.2	15.6
97.5°	13.4	13.4	13.4	13.4	13.4	15.4	19.4	23.4	27.4	31.4	42.0
100°	13.4	13.9	14.5	15.1	15.7	26.5	47.6	68.7	89.8	111.0	110.4
102.5°	80.2	89.8	99.5	109.1	118.8	125.6	129.6	133.5	137.5	141.5	141.2
105°	189.4	189.5	189.6	189.8	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	238.7	239.1	239.5	240.0	240.4	240.6	240.6	240.6	240.5	240.5	240.2
110°	272.9	272.7	272.6	272.5	272.3	272.5	272.9	273.3	273.8	274.2	273.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	303.5	303.7	303.9	304.1	304.3	304.7	305.2	305.7	306.3	306.8	306.6
115°	349.4	350.3	351.1	352.0	352.8	353.5	354.1	354.7	355.2	355.8	355.6
117.5°	398.4	398.8	399.1	399.5	399.8	400.4	401.1	401.9	402.6	403.3	402.8
120°	428.4	429.2	429.9	430.6	431.3	431.8	432.1	432.4	432.7	432.9	432.5
122.5°	457.1	457.9	458.7	459.5	460.3	460.9	461.1	461.5	461.7	462.0	461.8
125°	500.5	500.9	501.3	501.8	502.2	502.7	503.3	503.9	504.4	505.0	505.0
127.5°	537.1	538.2	539.2	540.3	541.3	542.0	542.3	542.6	542.9	543.2	543.3
130°	563.6	564.4	565.1	565.7	566.5	567.0	567.4	567.9	568.3	568.8	568.6
132.5°	588.2	588.8	589.5	590.3	590.9	591.3	591.4	591.5	591.6	591.7	592.0
135°	621.7	622.5	623.4	624.2	625.1	625.7	625.9	626.2	626.5	626.8	627.0
137.5°	655.3	656.1	656.8	657.5	658.3	658.6	658.5	658.5	658.4	658.4	658.7
140°	675.2	676.0	676.9	677.8	678.7	678.9	678.7	678.3	678.1	677.8	677.9
142.5°	694.1	695.0	695.8	696.7	697.5	697.9	697.8	697.8	697.7	697.7	697.5
145°	721.8	722.6	723.5	724.3	725.1	725.5	725.4	725.2	725.1	725.0	725.0
147.5°	744.6	745.6	746.7	747.6	748.7	749.1	748.9	748.8	748.6	748.4	748.3
150°	759.4	760.5	761.7	762.8	763.9	764.3	764.1	763.8	763.5	763.2	763.0
152.5°	773.1	774.2	775.2	776.2	777.2	777.6	777.3	777.1	776.7	776.5	776.2
155°	791.2	792.4	793.5	794.7	795.8	796.1	795.7	795.3	794.8	794.4	794.2
157.5°	806.4	807.6	808.7	809.8	811.0	811.3	810.9	810.4	809.9	809.5	809.4
160°	816.1	817.3	818.4	819.5	820.7	820.9	820.4	819.8	819.2	818.6	818.6
162.5°	824.8	826.1	827.3	828.5	829.8	830.0	829.2	828.4	827.6	826.9	826.7
165°	836.5	837.6	838.8	839.9	841.1	841.2	840.3	839.5	838.7	837.8	837.6
167.5°	844.7	846.0	847.3	848.5	849.8	849.9	848.9	847.9	846.9	845.9	845.7
170°	849.3	850.5	851.8	853.1	854.4	854.4	853.3	852.2	851.1	849.9	849.8
172.5°	852.3	853.6	854.9	856.1	857.5	857.6	856.6	855.5	854.5	853.5	853.2
175°	856.3	857.6	858.8	860.1	861.4	861.4	860.3	859.2	858.1	857.0	856.8
177.5°	858.6	859.5	860.4	861.3	862.3	862.3	861.4	860.7	859.9	859.1	859.0
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



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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°	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°	8.5	7.6	6.7	6.7	7.4	8.2	9.0	9.8	9.0	8.2	7.4
95°	21.0	26.3	31.7	34.7	35.1	35.5	36.0	36.4	36.0	35.5	35.1
97.5°	52.7	63.3	74.0	78.9	78.2	77.4	76.6	75.9	76.6	77.4	78.2
100°	109.8	109.3	108.7	108.2	107.8	107.3	106.9	106.5	106.9	107.3	107.8
102.5°	140.9	140.6	140.1	139.7	139.2	138.7	138.1	137.6	138.1	138.7	139.2
105°	190.0	190.0	190.0	189.7	189.1	188.6	188.0	187.4	188.0	188.6	189.1
107.5°	239.9	239.6	239.4	239.2	239.2	239.2	239.2	239.2	239.2	239.2	239.2
110°	273.6	273.3	273.0	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9



TEST NUMBER: P333562-930

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	306.5	306.3	306.1	305.9	305.6	305.2	304.8	304.5	304.8	305.2	305.6
115°	355.5	355.4	355.2	354.8	354.1	353.4	352.7	352.0	352.7	353.4	354.1
117.5°	402.3	401.7	401.2	401.0	401.0	401.0	401.0	401.0	401.0	401.0	401.0
120°	432.1	431.6	431.2	431.0	431.2	431.4	431.5	431.6	431.5	431.4	431.2
122.5°	461.6	461.4	461.2	460.8	460.3	459.7	459.3	458.7	459.3	459.7	460.3
125°	505.0	505.0	505.0	504.5	503.5	502.5	501.5	500.5	501.5	502.5	503.5
127.5°	543.4	543.5	543.6	543.2	542.6	541.8	541.1	540.5	541.1	541.8	542.6
130°	568.4	568.3	568.2	567.8	567.0	566.3	565.7	564.9	565.7	566.3	567.0
132.5°	592.3	592.6	593.0	592.7	591.8	591.0	590.2	589.4	590.2	591.0	591.8
135°	627.3	627.6	627.9	627.6	626.8	625.9	625.1	624.2	625.1	625.9	626.8
137.5°	658.9	659.2	659.4	659.2	658.4	657.7	657.0	656.2	657.0	657.7	658.4
140°	678.1	678.2	678.3	678.2	678.0	677.7	677.4	677.1	677.4	677.7	678.0
142.5°	697.2	697.1	696.8	696.7	696.5	696.3	696.2	696.0	696.2	696.3	696.5
145°	725.0	725.0	725.0	724.8	724.6	724.2	724.0	723.7	724.0	724.2	724.6
147.5°	748.0	747.9	747.7	747.7	747.7	747.8	747.9	747.9	747.9	747.8	747.7
150°	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2	763.0	762.6	762.4
152.5°	775.9	775.6	775.3	775.5	776.2	776.7	777.4	778.0	777.4	776.7	776.2
155°	793.9	793.6	793.3	793.6	794.4	795.3	796.1	797.0	796.1	795.3	794.4
157.5°	809.4	809.4	809.3	809.6	810.2	810.7	811.1	811.6	811.1	810.7	810.2
160°	818.4	818.2	818.2	818.5	819.3	820.2	821.0	821.9	821.0	820.2	819.3
162.5°	826.6	826.4	826.3	826.6	827.4	828.3	829.2	830.1	829.2	828.3	827.4
165°	837.6	837.4	837.2	837.6	838.5	839.3	840.2	841.0	840.2	839.3	838.5
167.5°	845.5	845.4	845.3	845.6	846.5	847.4	848.3	849.1	848.3	847.4	846.5
170°	849.6	849.5	849.4	849.8	850.8	851.7	852.7	853.8	852.7	851.7	850.8
172.5°	853.0	852.7	852.5	852.8	853.9	854.8	855.8	856.8	855.8	854.8	853.9
175°	856.6	856.5	856.4	856.7	857.6	858.4	859.2	860.1	859.2	858.4	857.6
177.5°	858.8	858.8	858.7	858.9	859.7	860.3	861.0	861.7	861.0	860.3	859.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333562-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-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°	9.5	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	11.7	12.3	13.0	13.6
92.5°	6.7	6.7	7.6	8.5	9.3	10.2	10.9	11.7	12.3	13.0	13.5
95°	34.7	31.7	26.3	21.0	15.6	10.2	10.9	11.7	12.3	13.0	13.4
97.5°	78.9	74.0	63.3	52.7	42.0	31.4	27.4	23.4	19.4	15.4	13.4
100°	108.2	108.7	109.3	109.8	110.4	111.0	89.8	68.7	47.6	26.5	15.7
102.5°	139.7	140.1	140.6	140.9	141.2	141.5	137.5	133.5	129.6	125.6	118.8
105°	189.7	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	239.2	239.4	239.6	239.9	240.2	240.5	240.5	240.6	240.6	240.6	240.4
110°	272.9	273.0	273.3	273.6	273.9	274.2	273.8	273.3	272.9	272.5	272.3



TEST NUMBER: P333562-930

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	305.9	306.1	306.3	306.5	306.6	306.8	306.3	305.7	305.2	304.7	304.3
115°	354.8	355.2	355.4	355.5	355.6	355.8	355.2	354.7	354.1	353.5	352.8
117.5°	401.0	401.2	401.7	402.3	402.8	403.3	402.6	401.9	401.1	400.4	399.8
120°	431.0	431.2	431.6	432.1	432.5	432.9	432.7	432.4	432.1	431.8	431.3
122.5°	460.8	461.2	461.4	461.6	461.8	462.0	461.7	461.5	461.1	460.9	460.3
125°	504.5	505.0	505.0	505.0	505.0	505.0	504.4	503.9	503.3	502.7	502.2
127.5°	543.2	543.6	543.5	543.4	543.3	543.2	542.9	542.6	542.3	542.0	541.3
130°	567.8	568.2	568.3	568.4	568.6	568.8	568.3	567.9	567.4	567.0	566.5
132.5°	592.7	593.0	592.6	592.3	592.0	591.7	591.6	591.5	591.4	591.3	590.9
135°	627.6	627.9	627.6	627.3	627.0	626.8	626.5	626.2	625.9	625.7	625.1
137.5°	659.2	659.4	659.2	658.9	658.7	658.4	658.4	658.5	658.5	658.6	658.3
140°	678.2	678.3	678.2	678.1	677.9	677.8	678.1	678.3	678.7	678.9	678.7
142.5°	696.7	696.8	697.1	697.2	697.5	697.7	697.7	697.8	697.8	697.9	697.5
145°	724.8	725.0	725.0	725.0	725.0	725.0	725.1	725.2	725.4	725.5	725.1
147.5°	747.7	747.7	747.9	748.0	748.3	748.4	748.6	748.8	748.9	749.1	748.7
150°	762.1	762.1	762.4	762.6	763.0	763.2	763.5	763.8	764.1	764.3	763.9
152.5°	775.5	775.3	775.6	775.9	776.2	776.5	776.7	777.1	777.3	777.6	777.2
155°	793.6	793.3	793.6	793.9	794.2	794.4	794.8	795.3	795.7	796.1	795.8
157.5°	809.6	809.3	809.4	809.4	809.4	809.5	809.9	810.4	810.9	811.3	811.0
160°	818.5	818.2	818.2	818.4	818.6	818.6	819.2	819.8	820.4	820.9	820.7
162.5°	826.6	826.3	826.4	826.6	826.7	826.9	827.6	828.4	829.2	830.0	829.8
165°	837.6	837.2	837.4	837.6	837.6	837.8	838.7	839.5	840.3	841.2	841.1
167.5°	845.6	845.3	845.4	845.5	845.7	845.9	846.9	847.9	848.9	849.9	849.8
170°	849.8	849.4	849.5	849.6	849.8	849.9	851.1	852.2	853.3	854.4	854.4
172.5°	852.8	852.5	852.7	853.0	853.2	853.5	854.5	855.5	856.6	857.6	857.5
175°	856.7	856.4	856.5	856.6	856.8	857.0	858.1	859.2	860.3	861.4	861.4
177.5°	858.9	858.7	858.8	858.8	859.0	859.1	859.9	860.7	861.4	862.3	862.3
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333562-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-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°	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	11.7
92.5°	13.7	13.9	14.1	14.3	14.1	13.9	13.7	13.5	13.0	12.3	11.7
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.0	12.3	11.7
97.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	15.4	19.4	23.4
100°	15.1	14.5	13.9	13.4	13.9	14.5	15.1	15.7	26.5	47.6	68.7
102.5°	109.1	99.5	89.8	80.2	89.8	99.5	109.1	118.8	125.6	129.6	133.5
105°	189.8	189.6	189.5	189.4	189.5	189.6	189.8	190.0	190.0	190.0	190.0
107.5°	240.0	239.5	239.1	238.7	239.1	239.5	240.0	240.4	240.6	240.6	240.6
110°	272.5	272.6	272.7	272.9	272.7	272.6	272.5	272.3	272.5	272.9	273.3



TEST NUMBER: P333562-930

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	304.1	303.9	303.7	303.5	303.7	303.9	304.1	304.3	304.7	305.2	305.7
115°	352.0	351.1	350.3	349.4	350.3	351.1	352.0	352.8	353.5	354.1	354.7
117.5°	399.5	399.1	398.8	398.4	398.8	399.1	399.5	399.8	400.4	401.1	401.9
120°	430.6	429.9	429.2	428.4	429.2	429.9	430.6	431.3	431.8	432.1	432.4
122.5°	459.5	458.7	457.9	457.1	457.9	458.7	459.5	460.3	460.9	461.1	461.5
125°	501.8	501.3	500.9	500.5	500.9	501.3	501.8	502.2	502.7	503.3	503.9
127.5°	540.3	539.2	538.2	537.1	538.2	539.2	540.3	541.3	542.0	542.3	542.6
130°	565.7	565.1	564.4	563.6	564.4	565.1	565.7	566.5	567.0	567.4	567.9
132.5°	590.3	589.5	588.8	588.2	588.8	589.5	590.3	590.9	591.3	591.4	591.5
135°	624.2	623.4	622.5	621.7	622.5	623.4	624.2	625.1	625.7	625.9	626.2
137.5°	657.5	656.8	656.1	655.3	656.1	656.8	657.5	658.3	658.6	658.5	658.5
140°	677.8	676.9	676.0	675.2	676.0	676.9	677.8	678.7	678.9	678.7	678.3
142.5°	696.7	695.8	695.0	694.1	695.0	695.8	696.7	697.5	697.9	697.8	697.8
145°	724.3	723.5	722.6	721.8	722.6	723.5	724.3	725.1	725.5	725.4	725.2
147.5°	747.6	746.7	745.6	744.6	745.6	746.7	747.6	748.7	749.1	748.9	748.8
150°	762.8	761.7	760.5	759.4	760.5	761.7	762.8	763.9	764.3	764.1	763.8
152.5°	776.2	775.2	774.2	773.1	774.2	775.2	776.2	777.2	777.6	777.3	777.1
155°	794.7	793.5	792.4	791.2	792.4	793.5	794.7	795.8	796.1	795.7	795.3
157.5°	809.8	808.7	807.6	806.4	807.6	808.7	809.8	811.0	811.3	810.9	810.4
160°	819.5	818.4	817.3	816.1	817.3	818.4	819.5	820.7	820.9	820.4	819.8
162.5°	828.5	827.3	826.1	824.8	826.1	827.3	828.5	829.8	830.0	829.2	828.4
165°	839.9	838.8	837.6	836.5	837.6	838.8	839.9	841.1	841.2	840.3	839.5
167.5°	848.5	847.3	846.0	844.7	846.0	847.3	848.5	849.8	849.9	848.9	847.9
170°	853.1	851.8	850.5	849.3	850.5	851.8	853.1	854.4	854.4	853.3	852.2
172.5°	856.1	854.9	853.6	852.3	853.6	854.9	856.1	857.5	857.6	856.6	855.5
175°	860.1	858.8	857.6	856.3	857.6	858.8	860.1	861.4	861.4	860.3	859.2
177.5°	861.3	860.4	859.5	858.6	859.5	860.4	861.3	862.3	862.3	861.4	860.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333562-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-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°	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°	10.9	10.2	9.3	8.5	7.6	6.7	6.7	7.4	8.2	9.0	9.8
95°	10.9	10.2	15.6	21.0	26.3	31.7	34.7	35.1	35.5	36.0	36.4
97.5°	27.4	31.4	42.0	52.7	63.3	74.0	78.9	78.2	77.4	76.6	75.9
100°	89.8	111.0	110.4	109.8	109.3	108.7	108.2	107.8	107.3	106.9	106.5
102.5°	137.5	141.5	141.2	140.9	140.6	140.1	139.7	139.2	138.7	138.1	137.6
105°	190.0	190.0	190.0	190.0	190.0	190.0	189.7	189.1	188.6	188.0	187.4
107.5°	240.5	240.5	240.2	239.9	239.6	239.4	239.2	239.2	239.2	239.2	239.2
110°	273.8	274.2	273.9	273.6	273.3	273.0	272.9	272.9	272.9	272.9	272.9



TEST NUMBER: P333562-930

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	306.3	306.8	306.6	306.5	306.3	306.1	305.9	305.6	305.2	304.8	304.5
115°	355.2	355.8	355.6	355.5	355.4	355.2	354.8	354.1	353.4	352.7	352.0
117.5°	402.6	403.3	402.8	402.3	401.7	401.2	401.0	401.0	401.0	401.0	401.0
120°	432.7	432.9	432.5	432.1	431.6	431.2	431.0	431.2	431.4	431.5	431.6
122.5°	461.7	462.0	461.8	461.6	461.4	461.2	460.8	460.3	459.7	459.3	458.7
125°	504.4	505.0	505.0	505.0	505.0	505.0	504.5	503.5	502.5	501.5	500.5
127.5°	542.9	543.2	543.3	543.4	543.5	543.6	543.2	542.6	541.8	541.1	540.5
130°	568.3	568.8	568.6	568.4	568.3	568.2	567.8	567.0	566.3	565.7	564.9
132.5°	591.6	591.7	592.0	592.3	592.6	593.0	592.7	591.8	591.0	590.2	589.4
135°	626.5	626.8	627.0	627.3	627.6	627.9	627.6	626.8	625.9	625.1	624.2
137.5°	658.4	658.4	658.7	658.9	659.2	659.4	659.2	658.4	657.7	657.0	656.2
140°	678.1	677.8	677.9	678.1	678.2	678.3	678.2	678.0	677.7	677.4	677.1
142.5°	697.7	697.7	697.5	697.2	697.1	696.8	696.7	696.5	696.3	696.2	696.0
145°	725.1	725.0	725.0	725.0	725.0	725.0	724.8	724.6	724.2	724.0	723.7
147.5°	748.6	748.4	748.3	748.0	747.9	747.7	747.7	747.7	747.8	747.9	747.9
150°	763.5	763.2	763.0	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2
152.5°	776.7	776.5	776.2	775.9	775.6	775.3	775.5	776.2	776.7	777.4	778.0
155°	794.8	794.4	794.2	793.9	793.6	793.3	793.6	794.4	795.3	796.1	797.0
157.5°	809.9	809.5	809.4	809.4	809.4	809.3	809.6	810.2	810.7	811.1	811.6
160°	819.2	818.6	818.6	818.4	818.2	818.2	818.5	819.3	820.2	821.0	821.9
162.5°	827.6	826.9	826.7	826.6	826.4	826.3	826.6	827.4	828.3	829.2	830.1
165°	838.7	837.8	837.6	837.6	837.4	837.2	837.6	838.5	839.3	840.2	841.0
167.5°	846.9	845.9	845.7	845.5	845.4	845.3	845.6	846.5	847.4	848.3	849.1
170°	851.1	849.9	849.8	849.6	849.5	849.4	849.8	850.8	851.7	852.7	853.8
172.5°	854.5	853.5	853.2	853.0	852.7	852.5	852.8	853.9	854.8	855.8	856.8
175°	858.1	857.0	856.8	856.6	856.5	856.4	856.7	857.6	858.4	859.2	860.1
177.5°	859.9	859.1	859.0	858.8	858.8	858.7	858.9	859.7	860.3	861.0	861.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333562-930

CATALOG NUMBER: S125RDIP-S850D810U930-4F0-1E-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°	10.8	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	11.7
92.5°	9.0	8.2	7.4	6.7	6.7	7.6	8.5	9.3	10.2	10.9	11.7
95°	36.0	35.5	35.1	34.7	31.7	26.3	21.0	15.6	10.2	10.9	11.7
97.5°	76.6	77.4	78.2	78.9	74.0	63.3	52.7	42.0	31.4	27.4	23.4
100°	106.9	107.3	107.8	108.2	108.7	109.3	109.8	110.4	111.0	89.8	68.7
102.5°	138.1	138.7	139.2	139.7	140.1	140.6	140.9	141.2	141.5	137.5	133.5
105°	188.0	188.6	189.1	189.7	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	239.2	239.2	239.2	239.2	239.4	239.6	239.9	240.2	240.5	240.5	240.6
110°	272.9	272.9	272.9	272.9	273.0	273.3	273.6	273.9	274.2	273.8	273.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	304.8	305.2	305.6	305.9	306.1	306.3	306.5	306.6	306.8	306.3	305.7
115°	352.7	353.4	354.1	354.8	355.2	355.4	355.5	355.6	355.8	355.2	354.7
117.5°	401.0	401.0	401.0	401.0	401.2	401.7	402.3	402.8	403.3	402.6	401.9
120°	431.5	431.4	431.2	431.0	431.2	431.6	432.1	432.5	432.9	432.7	432.4
122.5°	459.3	459.7	460.3	460.8	461.2	461.4	461.6	461.8	462.0	461.7	461.5
125°	501.5	502.5	503.5	504.5	505.0	505.0	505.0	505.0	505.0	504.4	503.9
127.5°	541.1	541.8	542.6	543.2	543.6	543.5	543.4	543.3	543.2	542.9	542.6
130°	565.7	566.3	567.0	567.8	568.2	568.3	568.4	568.6	568.8	568.3	567.9
132.5°	590.2	591.0	591.8	592.7	593.0	592.6	592.3	592.0	591.7	591.6	591.5
135°	625.1	625.9	626.8	627.6	627.9	627.6	627.3	627.0	626.8	626.5	626.2
137.5°	657.0	657.7	658.4	659.2	659.4	659.2	658.9	658.7	658.4	658.4	658.5
140°	677.4	677.7	678.0	678.2	678.3	678.2	678.1	677.9	677.8	678.1	678.3
142.5°	696.2	696.3	696.5	696.7	696.8	697.1	697.2	697.5	697.7	697.7	697.8
145°	724.0	724.2	724.6	724.8	725.0	725.0	725.0	725.0	725.0	725.1	725.2
147.5°	747.9	747.8	747.7	747.7	747.7	747.9	748.0	748.3	748.4	748.6	748.8
150°	763.0	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2	763.5	763.8
152.5°	777.4	776.7	776.2	775.5	775.3	775.6	775.9	776.2	776.5	776.7	777.1
155°	796.1	795.3	794.4	793.6	793.3	793.6	793.9	794.2	794.4	794.8	795.3
157.5°	811.1	810.7	810.2	809.6	809.3	809.4	809.4	809.4	809.5	809.9	810.4
160°	821.0	820.2	819.3	818.5	818.2	818.2	818.4	818.6	818.6	819.2	819.8
162.5°	829.2	828.3	827.4	826.6	826.3	826.4	826.6	826.7	826.9	827.6	828.4
165°	840.2	839.3	838.5	837.6	837.2	837.4	837.6	837.6	837.8	838.7	839.5
167.5°	848.3	847.4	846.5	845.6	845.3	845.4	845.5	845.7	845.9	846.9	847.9
170°	852.7	851.7	850.8	849.8	849.4	849.5	849.6	849.8	849.9	851.1	852.2
172.5°	855.8	854.8	853.9	852.8	852.5	852.7	853.0	853.2	853.5	854.5	855.5
175°	859.2	858.4	857.6	856.7	856.4	856.5	856.6	856.8	857.0	858.1	859.2
177.5°	861.0	860.3	859.7	858.9	858.7	858.8	858.8	859.0	859.1	859.9	860.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



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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°	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°	12.3	13.0	13.5	13.7	13.9	14.1	14.3
95°	12.3	13.0	13.4	13.4	13.4	13.4	13.4
97.5°	19.4	15.4	13.4	13.4	13.4	13.4	13.4
100°	47.6	26.5	15.7	15.1	14.5	13.9	13.4
102.5°	129.6	125.6	118.8	109.1	99.5	89.8	80.2
105°	190.0	190.0	190.0	189.8	189.6	189.5	189.4
107.5°	240.6	240.6	240.4	240.0	239.5	239.1	238.7
110°	272.9	272.5	272.3	272.5	272.6	272.7	272.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	305.2	304.7	304.3	304.1	303.9	303.7	303.5
115°	354.1	353.5	352.8	352.0	351.1	350.3	349.4
117.5°	401.1	400.4	399.8	399.5	399.1	398.8	398.4
120°	432.1	431.8	431.3	430.6	429.9	429.2	428.4
122.5°	461.1	460.9	460.3	459.5	458.7	457.9	457.1
125°	503.3	502.7	502.2	501.8	501.3	500.9	500.5
127.5°	542.3	542.0	541.3	540.3	539.2	538.2	537.1
130°	567.4	567.0	566.5	565.7	565.1	564.4	563.6
132.5°	591.4	591.3	590.9	590.3	589.5	588.8	588.2
135°	625.9	625.7	625.1	624.2	623.4	622.5	621.7
137.5°	658.5	658.6	658.3	657.5	656.8	656.1	655.3
140°	678.7	678.9	678.7	677.8	676.9	676.0	675.2
142.5°	697.8	697.9	697.5	696.7	695.8	695.0	694.1
145°	725.4	725.5	725.1	724.3	723.5	722.6	721.8
147.5°	748.9	749.1	748.7	747.6	746.7	745.6	744.6
150°	764.1	764.3	763.9	762.8	761.7	760.5	759.4
152.5°	777.3	777.6	777.2	776.2	775.2	774.2	773.1
155°	795.7	796.1	795.8	794.7	793.5	792.4	791.2
157.5°	810.9	811.3	811.0	809.8	808.7	807.6	806.4
160°	820.4	820.9	820.7	819.5	818.4	817.3	816.1
162.5°	829.2	830.0	829.8	828.5	827.3	826.1	824.8
165°	840.3	841.2	841.1	839.9	838.8	837.6	836.5
167.5°	848.9	849.9	849.8	848.5	847.3	846.0	844.7
170°	853.3	854.4	854.4	853.1	851.8	850.5	849.3
172.5°	856.6	857.6	857.5	856.1	854.9	853.6	852.3
175°	860.3	861.4	861.4	860.1	858.8	857.6	856.3
177.5°	861.4	862.3	862.3	861.3	860.4	859.5	858.6
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1

(END OF REPORT)