

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: P333558-935

Luminaire Tested: **S125RDIP-S850D590U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333558-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D590U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4649.8 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

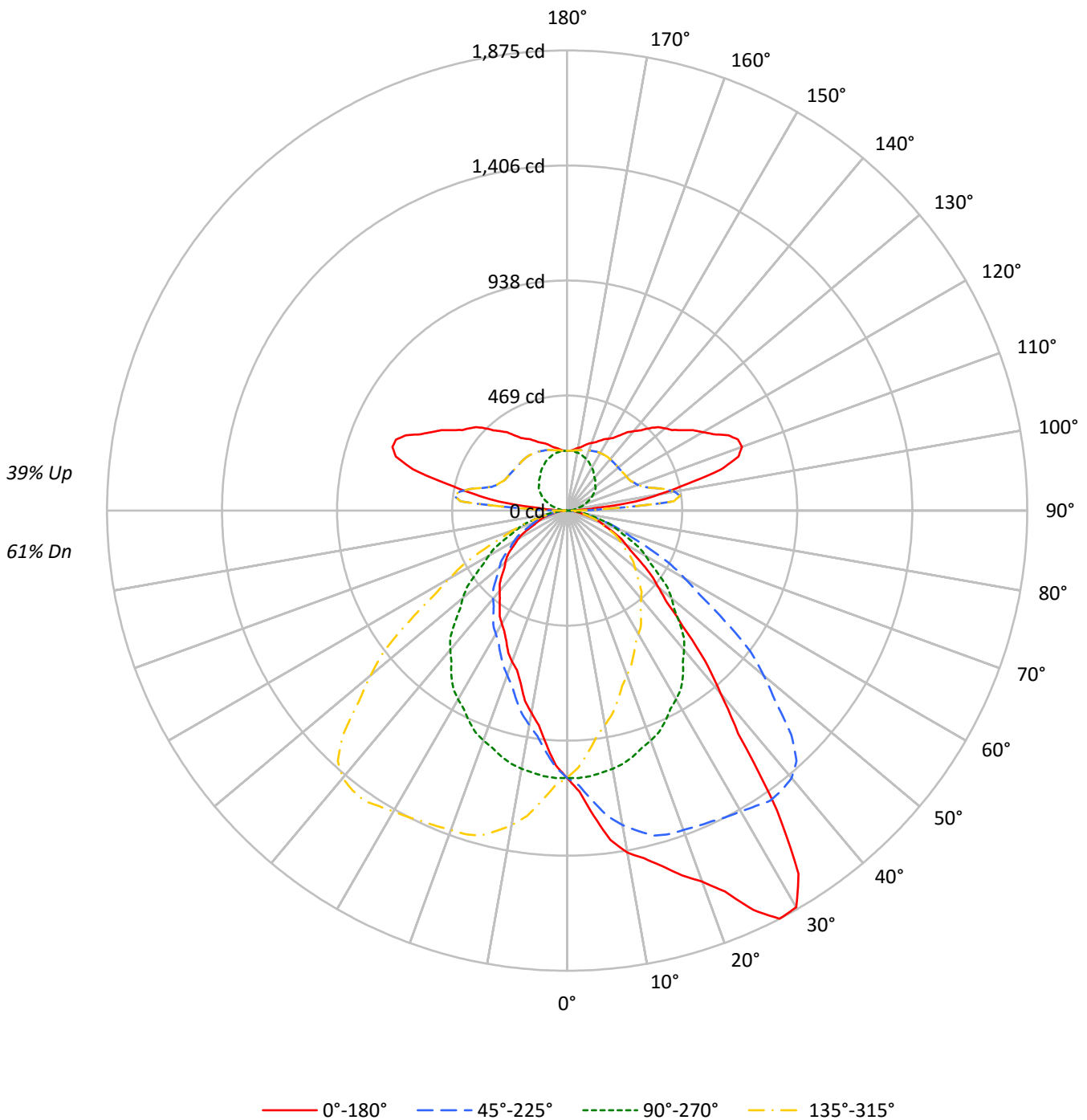
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	101	97	93	89	94	90	87	84	79	77	75	69	67	65	59	58	57	52
2	92	85	79	74	86	80	74	70	70	66	62	61	58	55	53	50	49	45
3	84	75	68	62	79	71	64	59	62	57	53	54	51	47	47	44	42	38
4	77	67	59	53	72	63	56	50	55	50	46	49	44	41	42	39	36	33
5	71	60	52	46	66	56	49	44	50	44	40	44	39	36	38	35	32	29
6	66	54	46	40	61	51	43	38	45	39	35	40	35	31	35	31	28	26
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	32	28	25	23
8	57	44	36	31	53	42	35	30	37	32	27	33	28	25	29	25	23	20
9	53	40	33	28	49	38	31	27	34	29	25	31	26	23	27	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7034	7034	7034	7034
5°	8092	7043	6220	7043
10°	9282	7007	5488	7007
15°	10026	6935	4878	6935
20°	11056	6852	4504	6852
25°	12794	6741	4180	6741
30°	13923	6624	3967	6624
35°	11744	6489	3772	6489
40°	8201	6246	3603	6246
45°	6085	5917	3438	5917
50°	4851	5574	3297	5574
55°	4118	5150	3171	5150
60°	3557	4770	2968	4770
65°	3169	4358	2555	4358
70°	2787	3994	2330	3994
75°	2410	3459	2186	3459
80°	1830	2912	1830	2912
85°	1526	2282	1719	2282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	2.2
10°-20°	306.1	6.6
20°-30°	485.3	10.4
30°-40°	585.2	12.6
40°-50°	522.6	11.2
50°-60°	400.8	8.6
60°-70°	260.4	5.6
70°-80°	126.6	2.7
80°-90°	31.6	0.7
90°-100°	176.6	3.8
100°-110°	379.6	8.2
110°-120°	356.2	7.7
120°-130°	288.7	6.2
130°-140°	231.7	5.0
140°-150°	174.8	3.8
150°-160°	123.1	2.6
160°-170°	72.5	1.6
170°-180°	23.6	0.5
0°-30°	895.8	19.3
0°-40°	1481.0	31.9
0°-60°	2404.3	51.7
0°-90°	2823.0	60.7
90°-120°	912.4	19.6
90°-150°	1607.6	34.6
90°-180°	1827.0	39.3
0°-180°	4649.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1089	1089	1089	1089	1089	
5°	1248	1086	959	1086	1248	125
15°	1500	1037	730	1037	1500	430
25°	1795	946	587	946	1795	824
35°	1490	823	478	823	1490	900
45°	666	648	376	648	666	532
55°	366	457	282	457	366	332
65°	207	285	167	285	207	206
75°	97	139	88	139	97	103
85°	21	31	23	31	21	24
90°	11	0	11	0	11	9
95°	116	16	116	16	116	164
105°	651	56	651	56	651	647
115°	725	99	725	99	725	708
125°	571	138	571	138	571	517
135°	474	161	474	161	474	368
145°	374	188	374	188	374	238
155°	314	214	314	214	314	146
165°	275	234	275	234	275	79
175°	247	243	247	243	247	24
180°	244	244	244	244	244	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1145.6	1144.9	1146.3	1142.4	1142.7	1136.6	1136.6	1132.0	1125.9	1121.3	1119.1
5°	1248.2	1249.1	1247.3	1240.6	1236.1	1229.4	1221.8	1208.4	1197.2	1186.5	1178.0
7.5°	1353.9	1354.5	1348.7	1346.6	1335.3	1327.1	1310.2	1291.9	1275.7	1255.2	1239.5
10°	1415.4	1415.0	1408.8	1403.8	1394.0	1381.5	1364.9	1343.4	1323.4	1301.0	1279.5
12.5°	1451.2	1450.0	1448.0	1442.1	1433.0	1421.9	1407.8	1386.7	1361.9	1337.5	1312.4
15°	1499.5	1496.3	1490.6	1482.9	1470.0	1457.0	1441.4	1422.6	1398.9	1371.1	1347.9
17.5°	1559.2	1559.3	1550.4	1539.8	1522.2	1499.3	1475.2	1444.8	1412.6	1382.2	1357.4
20°	1608.6	1607.2	1598.3	1577.7	1557.6	1529.0	1501.2	1464.1	1424.8	1385.0	1354.2
22.5°	1679.4	1675.9	1666.6	1639.6	1608.4	1571.6	1529.1	1483.8	1436.2	1391.1	1350.7
25°	1795.4	1792.8	1774.4	1743.2	1699.4	1642.5	1587.1	1525.0	1456.6	1397.1	1347.9
27.5°	1874.8	1871.9	1858.3	1832.3	1791.9	1732.2	1657.1	1574.1	1488.7	1406.9	1335.9
30°	1867.0	1873.7	1871.9	1859.8	1829.5	1775.8	1706.5	1613.1	1511.6	1415.4	1330.9
32.5°	1754.6	1760.7	1776.4	1800.1	1801.9	1780.5	1728.6	1642.4	1537.3	1428.0	1327.0
35°	1489.6	1497.7	1528.1	1576.0	1638.5	1690.8	1701.6	1655.1	1560.7	1443.1	1321.1
37.5°	1145.2	1189.2	1214.8	1265.2	1359.7	1456.0	1548.5	1582.5	1542.4	1436.9	1311.6
40°	972.8	983.5	1029.2	1086.0	1165.5	1265.7	1397.6	1492.8	1495.9	1422.6	1296.5
42.5°	832.6	846.2	877.5	922.8	991.0	1091.1	1227.3	1353.0	1411.2	1383.3	1276.9
45°	666.2	676.4	699.2	734.1	786.4	869.1	986.3	1131.5	1246.9	1292.0	1224.1
47.5°	547.3	552.8	572.7	599.2	637.9	698.2	788.8	915.0	1053.3	1150.3	1140.7
50°	482.8	489.1	504.3	524.4	557.1	608.0	680.4	785.5	928.2	1046.6	1070.3
52.5°	432.7	438.0	447.5	466.5	493.4	532.5	591.0	686.0	814.4	940.4	995.1
55°	365.7	369.3	376.9	387.6	409.1	437.2	487.8	553.5	657.2	784.2	864.6
57.5°	310.5	312.2	317.1	327.0	341.8	362.4	398.9	454.6	529.0	643.3	732.1
60°	275.4	277.2	283.4	290.2	301.8	320.6	349.1	388.1	459.6	553.9	643.8
62.5°	247.5	248.6	251.2	258.0	268.1	282.7	305.1	336.9	393.8	476.6	561.5
65°	207.4	207.9	208.8	214.1	220.4	231.2	245.9	268.2	311.2	373.8	448.8
67.5°	169.0	169.6	172.7	174.6	181.2	186.8	195.4	212.6	242.8	285.0	343.4
70°	147.6	147.1	150.2	152.5	154.7	161.4	167.2	181.1	199.8	232.0	280.8
72.5°	127.5	126.3	127.7	128.5	131.5	136.0	141.8	150.3	164.8	186.9	224.3
75°	96.6	97.0	97.0	97.9	100.1	101.9	103.8	108.2	116.2	131.0	151.1
77.5°	67.8	67.1	69.0	69.2	70.5	72.5	74.0	75.9	79.1	85.2	95.6
80°	49.2	49.2	49.6	51.0	50.5	51.4	53.6	55.4	59.5	63.0	66.6
82.5°	37.7	37.4	37.8	38.1	38.0	38.9	39.7	40.0	41.6	43.4	45.9
85°	20.6	20.6	21.0	21.0	21.4	21.4	21.9	21.9	21.9	22.4	22.8
87.5°	10.2	9.7	9.3	9.3	9.6	10.2	9.7	9.3	9.2	9.0	9.2
90°	11.3	11.3	10.8	10.8	10.8	9.8	9.3	8.9	8.4	7.8	6.9
92.5°	31.3	32.1	32.8	34.0	40.3	47.5	63.2	87.0	128.2	158.3	160.9
95°	115.5	123.3	127.2	142.0	176.8	218.1	278.4	353.1	425.9	435.1	355.1
97.5°	279.0	285.2	299.5	327.0	357.3	414.7	473.6	525.9	538.8	464.7	317.1
100°	383.1	391.0	409.1	444.4	478.4	529.4	580.1	604.1	566.3	443.5	282.9
102.5°	499.4	505.3	525.0	550.2	586.4	621.0	645.2	630.4	549.7	406.1	256.9
105°	650.7	656.7	666.5	682.7	698.4	703.8	682.2	614.9	497.1	356.1	231.8
107.5°	731.1	735.0	738.3	738.4	730.4	704.8	649.3	559.5	443.2	321.6	221.2
110°	757.9	757.9	754.4	745.0	723.0	681.2	612.0	518.7	412.6	305.5	218.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	754.7	751.1	742.6	726.6	694.3	645.1	575.1	486.5	389.8	296.1	218.1
115°	725.0	718.5	704.8	681.2	642.9	589.4	522.1	445.9	364.9	285.9	219.6
117.5°	672.8	668.8	655.2	630.9	592.5	543.4	485.4	419.8	350.1	280.9	222.7
120°	638.9	635.1	621.8	598.2	561.9	518.7	464.6	405.7	341.8	278.4	225.9
122.5°	609.1	605.5	592.3	570.7	538.3	497.8	449.7	395.1	334.8	276.6	228.7
125°	571.2	566.3	555.5	535.4	507.8	472.5	429.7	379.6	325.1	274.1	233.3
127.5°	538.8	536.6	526.4	508.6	483.7	450.6	410.7	363.9	316.3	272.9	238.5
130°	521.1	518.1	508.3	492.1	467.5	435.7	397.4	354.1	310.4	272.1	241.7
132.5°	503.4	500.1	491.0	474.8	450.3	419.6	384.8	344.3	305.7	272.1	245.2
135°	474.4	471.5	462.6	446.4	424.8	396.8	365.4	331.5	300.1	272.1	249.9
137.5°	443.5	440.2	432.1	417.3	398.0	374.3	348.1	320.7	295.1	272.7	254.4
140°	421.9	419.4	412.1	399.3	381.2	360.5	337.9	314.8	292.7	273.1	256.4
142.5°	401.8	399.8	392.8	382.0	366.6	348.7	329.2	309.7	290.8	273.5	257.5
145°	374.3	372.3	366.9	358.5	346.7	333.5	318.2	303.1	287.8	273.1	258.8
147.5°	350.9	350.0	346.8	340.2	330.8	320.8	309.1	296.8	284.7	271.8	259.3
150°	337.9	337.4	335.4	329.6	322.2	313.3	304.0	293.2	282.4	270.6	259.3
152.5°	327.7	327.2	325.2	320.6	314.4	307.5	298.9	289.3	279.7	269.1	258.9
155°	313.8	313.3	311.9	308.4	303.5	298.1	291.3	283.4	275.0	266.2	257.9
157.5°	301.4	301.5	300.1	297.3	293.5	289.3	284.0	277.5	270.7	263.2	256.6
160°	293.2	293.7	292.7	290.2	286.8	283.4	278.4	273.5	267.2	261.3	255.4
162.5°	285.8	285.9	285.7	283.6	280.9	277.8	273.8	269.2	264.1	258.9	254.3
165°	275.0	275.0	275.0	274.1	272.1	269.7	266.7	263.2	259.3	255.4	252.4
167.5°	265.2	265.3	265.7	264.8	263.8	262.1	259.8	257.5	254.7	251.9	249.7
170°	259.3	259.8	259.8	259.3	258.3	257.4	255.9	254.4	251.9	249.9	248.5
172.5°	253.8	254.3	255.1	254.3	254.0	253.4	252.4	250.9	249.2	247.6	246.9
175°	247.0	247.5	248.5	248.1	248.1	248.1	247.0	247.0	245.6	245.0	245.0
177.5°	243.6	243.6	244.8	244.4	244.8	244.8	244.8	244.4	244.0	243.6	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1119.1	1116.6	1112.0	1107.7	1102.3	1097.7	1094.4	1090.5	1085.5	1079.4	1074.4
5°	1168.6	1158.8	1145.8	1134.7	1120.3	1109.2	1097.6	1086.4	1075.2	1060.9	1048.4
7.5°	1223.6	1203.2	1183.5	1158.6	1136.1	1115.9	1096.7	1077.1	1058.0	1037.7	1018.0
10°	1257.1	1232.6	1205.3	1174.0	1145.4	1118.1	1093.1	1068.5	1042.6	1019.8	995.1
12.5°	1288.7	1256.9	1225.7	1186.2	1151.8	1118.5	1086.7	1056.0	1028.3	998.7	972.3
15°	1317.1	1285.8	1250.9	1202.6	1154.8	1114.6	1077.0	1037.2	1002.8	969.7	940.2
17.5°	1328.1	1295.3	1254.7	1208.3	1156.1	1105.4	1057.0	1013.4	972.9	934.4	901.2
20°	1323.8	1292.0	1250.4	1206.2	1150.3	1097.6	1045.3	997.0	951.8	911.1	875.8
22.5°	1313.4	1280.6	1240.4	1193.7	1140.7	1084.7	1028.8	977.3	930.0	887.9	849.4
25°	1297.9	1253.2	1212.0	1166.4	1115.9	1060.5	1002.8	946.0	895.5	852.6	810.5
27.5°	1281.7	1225.9	1173.5	1128.3	1074.9	1025.4	969.8	911.5	858.5	814.8	771.6
30°	1267.0	1204.5	1146.8	1095.4	1044.8	997.9	945.1	888.3	833.8	788.7	744.9
32.5°	1248.8	1182.2	1118.9	1059.5	1010.8	964.2	916.5	862.2	809.1	762.5	718.0
35°	1225.9	1140.9	1072.1	1009.0	954.9	909.8	866.9	823.0	769.8	721.6	678.2
37.5°	1195.8	1099.4	1019.8	951.1	894.1	848.7	814.9	774.8	726.3	680.0	639.7
40°	1177.6	1069.4	982.2	914.3	854.4	806.5	774.8	740.8	696.5	653.2	612.9
42.5°	1153.3	1041.9	944.3	873.5	813.2	767.2	735.0	705.4	668.3	627.4	584.4
45°	1105.6	988.5	886.1	810.1	749.3	704.1	674.2	647.8	619.7	582.1	544.5
47.5°	1043.5	932.8	825.6	742.7	683.1	641.2	612.2	591.3	571.2	539.2	502.7
50°	993.9	887.0	782.4	701.9	638.4	598.7	571.4	554.8	536.5	507.4	477.0
52.5°	935.2	839.8	737.3	655.0	595.1	557.8	531.7	515.1	500.0	476.3	447.4
55°	842.7	759.1	665.2	590.6	535.6	498.0	473.0	457.4	448.4	428.3	405.5
57.5°	736.1	676.1	593.3	521.3	472.8	435.7	417.3	404.0	393.9	379.6	363.6
60°	661.7	619.7	545.4	477.0	432.3	397.0	380.5	369.3	359.9	347.8	335.3
62.5°	586.2	555.6	491.0	432.3	391.2	361.6	346.1	336.0	325.2	317.1	304.9
65°	485.1	457.8	413.1	367.0	329.1	305.3	294.2	285.2	278.5	269.6	261.1
67.5°	377.3	366.3	335.4	303.7	276.4	255.3	245.6	239.4	231.4	225.9	220.2
70°	311.2	305.8	283.9	262.9	237.4	223.1	214.1	211.5	201.6	196.3	192.3
72.5°	252.5	250.0	237.4	222.8	204.8	192.3	184.1	181.1	174.8	170.5	167.9
75°	173.0	173.9	171.7	162.3	155.6	147.6	140.3	138.6	134.1	130.5	128.3
77.5°	109.4	114.0	114.2	113.7	111.1	106.2	103.1	101.9	97.5	96.1	95.6
80°	75.1	80.0	84.5	84.0	83.2	81.8	79.6	78.3	76.0	74.6	73.8
82.5°	50.1	54.7	58.4	60.8	60.6	59.3	57.8	57.2	56.7	55.7	55.5
85°	23.7	24.6	25.9	29.1	31.3	31.8	31.3	30.8	29.5	30.0	30.4
87.5°	9.5	9.3	9.6	9.4	8.8	10.4	11.3	11.5	10.9	10.4	9.9
90°	6.4	5.4	4.9	4.0	2.9	2.0	0.9	0.5	0.9	2.0	2.9
92.5°	112.1	67.1	40.3	25.9	17.5	11.4	7.2	6.0	7.2	11.4	17.5
95°	219.6	111.5	59.0	36.9	26.0	20.7	16.7	16.2	16.7	20.7	26.0
97.5°	175.2	96.1	61.3	45.4	35.6	30.2	27.5	26.9	27.5	30.2	35.6
100°	159.1	95.3	66.8	52.1	42.7	37.4	35.4	34.4	35.4	37.4	42.7
102.5°	152.5	98.8	73.4	59.2	50.6	44.8	43.2	42.6	43.2	44.8	50.6
105°	149.8	106.1	84.5	70.7	62.9	57.9	55.5	55.5	55.5	57.9	62.9
107.5°	154.3	116.9	96.0	83.6	75.4	71.4	69.1	68.1	69.1	71.4	75.4
110°	158.6	124.8	104.6	91.9	84.5	80.1	78.1	77.1	78.1	80.1	84.5



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	164.1	132.2	112.9	100.5	93.2	88.7	87.1	86.2	87.1	88.7	93.2
115°	172.4	143.9	125.7	113.5	106.1	101.7	100.2	99.2	100.2	101.7	106.1
117.5°	181.8	155.9	138.7	126.8	118.5	114.1	112.4	111.0	112.4	114.1	118.5
120°	188.1	164.5	147.3	135.1	126.7	122.3	120.4	118.8	120.4	122.3	126.7
122.5°	195.2	172.8	155.6	143.4	134.1	129.8	128.2	127.1	128.2	129.8	134.1
125°	204.8	183.7	167.5	154.7	145.3	140.9	138.5	137.5	138.5	140.9	145.3
127.5°	213.6	194.2	178.6	165.8	155.9	150.3	147.1	145.7	147.1	150.3	155.9
130°	219.6	200.9	185.6	172.9	162.6	156.2	152.2	150.8	152.2	156.2	162.6
132.5°	224.6	207.2	191.9	179.2	168.5	161.3	156.6	154.7	156.6	161.3	168.5
135°	231.8	215.6	200.4	187.1	176.8	168.9	163.1	161.1	163.1	168.9	176.8
137.5°	237.1	221.6	207.8	194.1	184.0	176.2	170.7	169.2	170.7	176.2	184.0
140°	240.6	225.9	211.7	198.5	189.1	181.2	175.3	173.8	175.3	181.2	189.1
142.5°	242.6	228.7	215.2	202.8	193.8	186.0	180.5	179.3	180.5	186.0	193.8
145°	245.6	233.3	220.5	209.2	200.4	193.5	188.6	187.6	188.6	193.5	200.4
147.5°	247.4	236.3	225.1	215.1	207.4	201.0	196.8	196.2	196.8	201.0	207.4
150°	248.5	238.2	227.4	219.0	212.2	205.8	202.3	201.4	202.3	205.8	212.2
152.5°	249.3	240.1	230.1	222.6	216.1	210.5	207.4	206.9	207.4	210.5	216.1
155°	249.9	242.1	233.8	226.9	222.0	217.1	214.1	214.1	214.1	217.1	222.0
157.5°	250.5	243.8	236.6	231.4	227.1	222.9	220.5	220.6	220.5	222.9	227.1
160°	250.5	244.6	238.2	233.8	229.9	226.4	224.5	225.0	224.5	226.4	229.9
162.5°	250.1	245.4	239.8	236.2	233.0	230.0	228.0	228.5	228.0	230.0	233.0
165°	249.5	245.6	241.7	238.7	236.7	234.3	232.8	233.8	232.8	234.3	236.7
167.5°	248.3	245.6	242.3	240.5	239.1	237.7	236.9	237.3	236.9	237.7	239.1
170°	247.5	245.6	243.1	241.7	240.6	239.7	239.2	239.7	239.2	239.7	240.6
172.5°	246.8	245.2	243.1	242.5	241.9	240.8	240.4	241.3	240.4	240.8	241.9
175°	245.6	244.6	243.1	243.1	243.1	242.6	242.1	243.1	242.1	242.6	243.1
177.5°	244.4	244.0	243.2	243.2	243.6	243.2	243.2	244.0	243.2	243.2	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1070.8	1065.8	1062.2	1055.1	1050.1	1047.9	1044.0	1042.9	1046.9	1044.0	1043.6
5°	1039.0	1026.1	1015.7	1005.5	994.3	987.1	976.4	974.7	971.9	967.9	967.0
7.5°	1000.8	984.0	970.7	953.7	938.9	927.0	913.6	907.3	903.8	898.6	891.7
10°	975.1	954.9	937.0	920.1	901.7	887.0	873.6	863.3	856.6	850.3	847.7
12.5°	949.7	929.2	906.3	885.7	865.3	848.7	833.9	827.2	819.8	812.4	806.2
15°	910.2	883.0	857.9	834.2	816.8	798.9	784.6	774.8	763.6	760.4	748.4
17.5°	868.4	841.6	812.4	787.4	767.2	747.5	731.8	720.6	712.2	700.7	695.1
20°	842.3	810.5	782.0	759.1	736.8	713.5	697.4	688.0	680.0	670.6	666.2
22.5°	814.4	783.3	754.1	727.3	704.6	681.7	670.3	660.5	651.3	642.7	636.8
25°	773.4	742.2	711.3	683.5	659.9	643.3	629.9	618.7	613.8	605.4	599.1
27.5°	733.0	699.6	667.6	640.1	621.5	605.1	594.1	585.2	576.4	568.9	563.5
30°	706.8	672.9	638.0	616.0	596.4	580.7	568.7	560.2	553.5	546.7	542.8
32.5°	680.7	645.7	614.8	591.0	572.4	559.0	546.5	538.4	531.3	523.9	519.2
35°	638.9	603.1	578.1	554.8	536.5	524.0	515.5	503.9	498.0	492.7	487.8
37.5°	599.9	566.7	539.6	519.3	503.3	490.9	479.9	473.6	466.5	461.7	457.5
40°	571.4	541.0	516.3	494.9	483.3	469.4	459.2	451.1	445.7	439.5	435.0
42.5°	545.6	517.4	493.4	474.2	459.7	448.0	438.1	430.0	423.2	418.7	415.0
45°	509.2	481.0	457.8	439.9	426.5	415.3	405.0	401.1	392.1	386.8	385.0
47.5°	471.6	446.3	424.0	407.4	393.7	383.1	373.5	365.2	360.3	355.1	352.2
50°	446.2	422.1	401.1	385.0	371.5	359.9	350.9	345.6	338.9	334.0	330.4
52.5°	420.8	398.5	377.5	362.1	350.4	338.8	328.8	323.4	317.1	313.9	311.4
55°	384.5	360.8	342.9	327.7	315.6	304.9	295.5	290.2	286.1	283.0	282.1
57.5°	343.4	324.6	308.0	294.3	281.7	271.6	263.4	258.3	254.8	254.3	251.6
60°	316.5	299.5	284.3	269.6	258.8	249.4	242.3	236.5	232.9	232.5	231.6
62.5°	289.7	273.5	259.3	246.3	236.7	227.6	220.8	214.3	212.2	209.9	208.0
65°	249.9	235.1	223.5	213.3	202.9	195.4	188.6	184.6	179.7	177.0	172.1
67.5°	210.9	199.4	188.2	179.5	171.5	164.3	158.7	152.7	149.4	147.2	143.7
70°	185.1	176.2	165.0	155.6	149.3	143.5	139.1	132.3	130.1	128.3	126.5
72.5°	160.7	152.9	143.5	136.0	129.7	124.2	119.0	115.9	113.7	111.8	110.8
75°	126.5	118.9	110.9	105.5	101.1	96.6	93.8	91.6	90.7	90.3	88.5
77.5°	92.9	88.9	82.4	78.2	75.2	73.4	71.0	69.8	69.7	67.8	67.2
80°	71.1	68.9	63.5	61.7	59.5	57.7	56.3	54.1	51.8	51.0	49.6
82.5°	52.9	50.6	48.5	45.6	43.7	42.6	41.3	40.5	40.8	39.5	38.9
85°	28.2	25.9	25.1	24.6	23.7	24.6	24.1	23.7	23.2	22.8	23.2
87.5°	9.7	9.9	9.6	10.6	9.6	10.2	10.2	10.0	10.1	10.2	10.0
90°	4.0	4.9	5.4	6.4	6.9	7.8	8.4	8.9	9.3	9.8	10.8
92.5°	25.9	40.3	67.1	112.1	160.9	158.3	128.2	87.0	63.2	47.5	40.3
95°	36.9	59.0	111.5	219.6	355.1	435.1	425.9	353.1	278.4	218.1	176.8
97.5°	45.4	61.3	96.1	175.2	317.1	464.7	538.8	525.9	473.6	414.7	357.3
100°	52.1	66.8	95.3	159.1	282.9	443.5	566.3	604.1	580.1	529.4	478.4
102.5°	59.2	73.4	98.8	152.5	256.9	406.1	549.7	630.4	645.2	621.0	586.4
105°	70.7	84.5	106.1	149.8	231.8	356.1	497.1	614.9	682.2	703.8	698.4
107.5°	83.6	96.0	116.9	154.3	221.2	321.6	443.2	559.5	649.3	704.8	730.4
110°	91.9	104.6	124.8	158.6	218.1	305.5	412.6	518.7	612.0	681.2	723.0



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	100.5	112.9	132.2	164.1	218.1	296.1	389.8	486.5	575.1	645.1	694.3
115°	113.5	125.7	143.9	172.4	219.6	285.9	364.9	445.9	522.1	589.4	642.9
117.5°	126.8	138.7	155.9	181.8	222.7	280.9	350.1	419.8	485.4	543.4	592.5
120°	135.1	147.3	164.5	188.1	225.9	278.4	341.8	405.7	464.6	518.7	561.9
122.5°	143.4	155.6	172.8	195.2	228.7	276.6	334.8	395.1	449.7	497.8	538.3
125°	154.7	167.5	183.7	204.8	233.3	274.1	325.1	379.6	429.7	472.5	507.8
127.5°	165.8	178.6	194.2	213.6	238.5	272.9	316.3	363.9	410.7	450.6	483.7
130°	172.9	185.6	200.9	219.6	241.7	272.1	310.4	354.1	397.4	435.7	467.5
132.5°	179.2	191.9	207.2	224.6	245.2	272.1	305.7	344.3	384.8	419.6	450.3
135°	187.1	200.4	215.6	231.8	249.9	272.1	300.1	331.5	365.4	396.8	424.8
137.5°	194.1	207.8	221.6	237.1	254.4	272.7	295.1	320.7	348.1	374.3	398.0
140°	198.5	211.7	225.9	240.6	256.4	273.1	292.7	314.8	337.9	360.5	381.2
142.5°	202.8	215.2	228.7	242.6	257.5	273.5	290.8	309.7	329.2	348.7	366.6
145°	209.2	220.5	233.3	245.6	258.8	273.1	287.8	303.1	318.2	333.5	346.7
147.5°	215.1	225.1	236.3	247.4	259.3	271.8	284.7	296.8	309.1	320.8	330.8
150°	219.0	227.4	238.2	248.5	259.3	270.6	282.4	293.2	304.0	313.3	322.2
152.5°	222.6	230.1	240.1	249.3	258.9	269.1	279.7	289.3	298.9	307.5	314.4
155°	226.9	233.8	242.1	249.9	257.9	266.2	275.0	283.4	291.3	298.1	303.5
157.5°	231.4	236.6	243.8	250.5	256.6	263.2	270.7	277.5	284.0	289.3	293.5
160°	233.8	238.2	244.6	250.5	255.4	261.3	267.2	273.5	278.4	283.4	286.8
162.5°	236.2	239.8	245.4	250.1	254.3	258.9	264.1	269.2	273.8	277.8	280.9
165°	238.7	241.7	245.6	249.5	252.4	255.4	259.3	263.2	266.7	269.7	272.1
167.5°	240.5	242.3	245.6	248.3	249.7	251.9	254.7	257.5	259.8	262.1	263.8
170°	241.7	243.1	245.6	247.5	248.5	249.9	251.9	254.4	255.9	257.4	258.3
172.5°	242.5	243.1	245.2	246.8	246.9	247.6	249.2	250.9	252.4	253.4	254.0
175°	243.1	243.1	244.6	245.6	245.0	245.0	245.6	247.0	247.0	248.1	248.1
177.5°	243.2	243.2	244.0	244.4	243.6	243.6	244.0	244.4	244.8	244.8	244.8
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1043.3	1039.4	1038.3	1039.7	1038.3	1039.4	1043.3	1043.6	1044.0	1046.9	1042.9
5°	962.5	958.1	960.3	959.4	960.3	958.1	962.5	967.0	967.9	971.9	974.7
7.5°	891.6	886.0	880.1	882.0	880.1	886.0	891.6	891.7	898.6	903.8	907.3
10°	841.8	837.4	834.7	836.9	834.7	837.4	841.8	847.7	850.3	856.6	863.3
12.5°	800.0	797.3	795.0	794.0	795.0	797.3	800.0	806.2	812.4	819.8	827.2
15°	743.0	737.7	735.5	729.6	735.5	737.7	743.0	748.4	760.4	763.6	774.8
17.5°	690.5	688.8	682.9	680.4	682.9	688.8	690.5	695.1	700.7	712.2	720.6
20°	659.4	657.6	651.9	655.4	651.9	657.6	659.4	666.2	670.6	680.0	688.0
22.5°	633.7	629.7	627.8	626.8	627.8	629.7	633.7	636.8	642.7	651.3	660.5
25°	597.3	591.5	589.3	586.6	589.3	591.5	597.3	599.1	605.4	613.8	618.7
27.5°	561.0	557.8	554.9	554.2	554.9	557.8	561.0	563.5	568.9	576.4	585.2
30°	537.4	534.3	532.0	532.0	532.0	534.3	537.4	542.8	546.7	553.5	560.2
32.5°	516.3	513.8	511.6	511.3	511.6	513.8	516.3	519.2	523.9	531.3	538.4
35°	485.5	482.0	481.0	478.4	481.0	482.0	485.5	487.8	492.7	498.0	503.9
37.5°	453.6	450.6	450.6	450.3	450.6	450.6	453.6	457.5	461.7	466.5	473.6
40°	433.3	431.0	430.5	427.4	430.5	431.0	433.3	435.0	439.5	445.7	451.1
42.5°	411.4	410.3	408.7	407.3	408.7	410.3	411.4	415.0	418.7	423.2	430.0
45°	381.8	378.7	378.7	376.4	378.7	378.7	381.8	385.0	386.8	392.1	401.1
47.5°	351.2	348.8	349.0	346.7	349.0	348.8	351.2	352.2	355.1	360.3	365.2
50°	330.8	329.5	329.1	328.1	329.1	329.5	330.8	330.4	334.0	338.9	345.6
52.5°	310.5	309.8	311.5	309.5	311.5	309.8	310.5	311.4	313.9	317.1	323.4
55°	283.0	281.6	284.3	281.6	284.3	281.6	283.0	282.1	283.0	286.1	290.2
57.5°	251.4	250.2	252.6	251.2	252.6	250.2	251.4	251.6	254.3	254.8	258.3
60°	230.7	228.0	229.4	229.8	229.4	228.0	230.7	231.6	232.5	232.9	236.5
62.5°	206.0	204.4	205.3	203.4	205.3	204.4	206.0	208.0	209.9	212.2	214.3
65°	171.3	169.9	168.1	167.2	168.1	169.9	171.3	172.1	177.0	179.7	184.6
67.5°	143.9	140.7	140.6	141.3	140.6	140.7	143.9	143.7	147.2	149.4	152.7
70°	123.8	123.8	123.4	123.4	123.4	123.8	123.8	126.5	128.3	130.1	132.3
72.5°	109.9	109.5	108.7	108.4	108.7	109.5	109.9	110.8	111.8	113.7	115.9
75°	88.5	88.9	88.1	87.6	88.1	88.9	88.5	88.5	90.3	90.7	91.6
77.5°	65.3	63.5	64.5	63.5	64.5	63.5	65.3	67.2	67.8	69.7	69.8
80°	49.6	49.2	50.5	49.2	50.5	49.2	49.6	49.6	51.0	51.8	54.1
82.5°	39.3	38.8	39.4	38.5	39.4	38.8	39.3	38.9	39.5	40.8	40.5
85°	23.7	23.2	22.8	23.2	22.8	23.2	23.7	23.2	22.8	23.2	23.7
87.5°	10.4	10.0	10.2	10.2	10.2	10.0	10.4	10.0	10.2	10.1	10.0
90°	10.8	10.8	11.3	11.3	11.3	10.8	10.8	10.8	9.8	9.3	8.9
92.5°	34.0	32.8	32.1	31.3	32.1	32.8	34.0	40.3	47.5	63.2	87.0
95°	142.0	127.2	123.3	115.5	123.3	127.2	142.0	176.8	218.1	278.4	353.1
97.5°	327.0	299.5	285.2	279.0	285.2	299.5	327.0	357.3	414.7	473.6	525.9
100°	444.4	409.1	391.0	383.1	391.0	409.1	444.4	478.4	529.4	580.1	604.1
102.5°	550.2	525.0	505.3	499.4	505.3	525.0	550.2	586.4	621.0	645.2	630.4
105°	682.7	666.5	656.7	650.7	656.7	666.5	682.7	698.4	703.8	682.2	614.9
107.5°	738.4	738.3	735.0	731.1	735.0	738.3	738.4	730.4	704.8	649.3	559.5
110°	745.0	754.4	757.9	757.9	757.9	754.4	745.0	723.0	681.2	612.0	518.7



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	726.6	742.6	751.1	754.7	751.1	742.6	726.6	694.3	645.1	575.1	486.5
115°	681.2	704.8	718.5	725.0	718.5	704.8	681.2	642.9	589.4	522.1	445.9
117.5°	630.9	655.2	668.8	672.8	668.8	655.2	630.9	592.5	543.4	485.4	419.8
120°	598.2	621.8	635.1	638.9	635.1	621.8	598.2	561.9	518.7	464.6	405.7
122.5°	570.7	592.3	605.5	609.1	605.5	592.3	570.7	538.3	497.8	449.7	395.1
125°	535.4	555.5	566.3	571.2	566.3	555.5	535.4	507.8	472.5	429.7	379.6
127.5°	508.6	526.4	536.6	538.8	536.6	526.4	508.6	483.7	450.6	410.7	363.9
130°	492.1	508.3	518.1	521.1	518.1	508.3	492.1	467.5	435.7	397.4	354.1
132.5°	474.8	491.0	500.1	503.4	500.1	491.0	474.8	450.3	419.6	384.8	344.3
135°	446.4	462.6	471.5	474.4	471.5	462.6	446.4	424.8	396.8	365.4	331.5
137.5°	417.3	432.1	440.2	443.5	440.2	432.1	417.3	398.0	374.3	348.1	320.7
140°	399.3	412.1	419.4	421.9	419.4	412.1	399.3	381.2	360.5	337.9	314.8
142.5°	382.0	392.8	399.8	401.8	399.8	392.8	382.0	366.6	348.7	329.2	309.7
145°	358.5	366.9	372.3	374.3	372.3	366.9	358.5	346.7	333.5	318.2	303.1
147.5°	340.2	346.8	350.0	350.9	350.0	346.8	340.2	330.8	320.8	309.1	296.8
150°	329.6	335.4	337.4	337.9	337.4	335.4	329.6	322.2	313.3	304.0	293.2
152.5°	320.6	325.2	327.2	327.7	327.2	325.2	320.6	314.4	307.5	298.9	289.3
155°	308.4	311.9	313.3	313.8	313.3	311.9	308.4	303.5	298.1	291.3	283.4
157.5°	297.3	300.1	301.5	301.4	301.5	300.1	297.3	293.5	289.3	284.0	277.5
160°	290.2	292.7	293.7	293.2	293.7	292.7	290.2	286.8	283.4	278.4	273.5
162.5°	283.6	285.7	285.9	285.8	285.9	285.7	283.6	280.9	277.8	273.8	269.2
165°	274.1	275.0	275.0	275.0	275.0	275.0	274.1	272.1	269.7	266.7	263.2
167.5°	264.8	265.7	265.3	265.2	265.3	265.7	264.8	263.8	262.1	259.8	257.5
170°	259.3	259.8	259.8	259.3	259.8	259.8	259.3	258.3	257.4	255.9	254.4
172.5°	254.3	255.1	254.3	253.8	254.3	255.1	254.3	254.0	253.4	252.4	250.9
175°	248.1	248.5	247.5	247.0	247.5	248.5	248.1	248.1	248.1	247.0	247.0
177.5°	244.4	244.8	243.6	243.6	243.6	244.8	244.4	244.8	244.8	244.8	244.4
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1044.0	1047.9	1050.1	1055.1	1062.2	1065.8	1070.8	1074.4	1079.4	1085.5	1090.5
5°	976.4	987.1	994.3	1005.5	1015.7	1026.1	1039.0	1048.4	1060.9	1075.2	1086.4
7.5°	913.6	927.0	938.9	953.7	970.7	984.0	1000.8	1018.0	1037.7	1058.0	1077.1
10°	873.6	887.0	901.7	920.1	937.0	954.9	975.1	995.1	1019.8	1042.6	1068.5
12.5°	833.9	848.7	865.3	885.7	906.3	929.2	949.7	972.3	998.7	1028.3	1056.0
15°	784.6	798.9	816.8	834.2	857.9	883.0	910.2	940.2	969.7	1002.8	1037.2
17.5°	731.8	747.5	767.2	787.4	812.4	841.6	868.4	901.2	934.4	972.9	1013.4
20°	697.4	713.5	736.8	759.1	782.0	810.5	842.3	875.8	911.1	951.8	997.0
22.5°	670.3	681.7	704.6	727.3	754.1	783.3	814.4	849.4	887.9	930.0	977.3
25°	629.9	643.3	659.9	683.5	711.3	742.2	773.4	810.5	852.6	895.5	946.0
27.5°	594.1	605.1	621.5	640.1	667.6	699.6	733.0	771.6	814.8	858.5	911.5
30°	568.7	580.7	596.4	616.0	638.0	672.9	706.8	744.9	788.7	833.8	888.3
32.5°	546.5	559.0	572.4	591.0	614.8	645.7	680.7	718.0	762.5	809.1	862.2
35°	515.5	524.0	536.5	554.8	578.1	603.1	638.9	678.2	721.6	769.8	823.0
37.5°	479.9	490.9	503.3	519.3	539.6	566.7	599.9	639.7	680.0	726.3	774.8
40°	459.2	469.4	483.3	494.9	516.3	541.0	571.4	612.9	653.2	696.5	740.8
42.5°	438.1	448.0	459.7	474.2	493.4	517.4	545.6	584.4	627.4	668.3	705.4
45°	405.0	415.3	426.5	439.9	457.8	481.0	509.2	544.5	582.1	619.7	647.8
47.5°	373.5	383.1	393.7	407.4	424.0	446.3	471.6	502.7	539.2	571.2	591.3
50°	350.9	359.9	371.5	385.0	401.1	422.1	446.2	477.0	507.4	536.5	554.8
52.5°	328.8	338.8	350.4	362.1	377.5	398.5	420.8	447.4	476.3	500.0	515.1
55°	295.5	304.9	315.6	327.7	342.9	360.8	384.5	405.5	428.3	448.4	457.4
57.5°	263.4	271.6	281.7	294.3	308.0	324.6	343.4	363.6	379.6	393.9	404.0
60°	242.3	249.4	258.8	269.6	284.3	299.5	316.5	335.3	347.8	359.9	369.3
62.5°	220.8	227.6	236.7	246.3	259.3	273.5	289.7	304.9	317.1	325.2	336.0
65°	188.6	195.4	202.9	213.3	223.5	235.1	249.9	261.1	269.6	278.5	285.2
67.5°	158.7	164.3	171.5	179.5	188.2	199.4	210.9	220.2	225.9	231.4	239.4
70°	139.1	143.5	149.3	155.6	165.0	176.2	185.1	192.3	196.3	201.6	211.5
72.5°	119.0	124.2	129.7	136.0	143.5	152.9	160.7	167.9	170.5	174.8	181.1
75°	93.8	96.6	101.1	105.5	110.9	118.9	126.5	128.3	130.5	134.1	138.6
77.5°	71.0	73.4	75.2	78.2	82.4	88.9	92.9	95.6	96.1	97.5	101.9
80°	56.3	57.7	59.5	61.7	63.5	68.9	71.1	73.8	74.6	76.0	78.3
82.5°	41.3	42.6	43.7	45.6	48.5	50.6	52.9	55.5	55.7	56.7	57.2
85°	24.1	24.6	23.7	24.6	25.1	25.9	28.2	30.4	30.0	29.5	30.8
87.5°	10.2	10.2	9.6	10.6	9.6	9.9	9.7	9.9	10.4	10.9	11.5
90°	8.4	7.8	6.9	6.4	5.4	4.9	4.0	2.9	2.0	0.9	0.5
92.5°	128.2	158.3	160.9	112.1	67.1	40.3	25.9	17.5	11.4	7.2	6.0
95°	425.9	435.1	355.1	219.6	111.5	59.0	36.9	26.0	20.7	16.7	16.2
97.5°	538.8	464.7	317.1	175.2	96.1	61.3	45.4	35.6	30.2	27.5	26.9
100°	566.3	443.5	282.9	159.1	95.3	66.8	52.1	42.7	37.4	35.4	34.4
102.5°	549.7	406.1	256.9	152.5	98.8	73.4	59.2	50.6	44.8	43.2	42.6
105°	497.1	356.1	231.8	149.8	106.1	84.5	70.7	62.9	57.9	55.5	55.5
107.5°	443.2	321.6	221.2	154.3	116.9	96.0	83.6	75.4	71.4	69.1	68.1
110°	412.6	305.5	218.1	158.6	124.8	104.6	91.9	84.5	80.1	78.1	77.1



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	389.8	296.1	218.1	164.1	132.2	112.9	100.5	93.2	88.7	87.1	86.2
115°	364.9	285.9	219.6	172.4	143.9	125.7	113.5	106.1	101.7	100.2	99.2
117.5°	350.1	280.9	222.7	181.8	155.9	138.7	126.8	118.5	114.1	112.4	111.0
120°	341.8	278.4	225.9	188.1	164.5	147.3	135.1	126.7	122.3	120.4	118.8
122.5°	334.8	276.6	228.7	195.2	172.8	155.6	143.4	134.1	129.8	128.2	127.1
125°	325.1	274.1	233.3	204.8	183.7	167.5	154.7	145.3	140.9	138.5	137.5
127.5°	316.3	272.9	238.5	213.6	194.2	178.6	165.8	155.9	150.3	147.1	145.7
130°	310.4	272.1	241.7	219.6	200.9	185.6	172.9	162.6	156.2	152.2	150.8
132.5°	305.7	272.1	245.2	224.6	207.2	191.9	179.2	168.5	161.3	156.6	154.7
135°	300.1	272.1	249.9	231.8	215.6	200.4	187.1	176.8	168.9	163.1	161.1
137.5°	295.1	272.7	254.4	237.1	221.6	207.8	194.1	184.0	176.2	170.7	169.2
140°	292.7	273.1	256.4	240.6	225.9	211.7	198.5	189.1	181.2	175.3	173.8
142.5°	290.8	273.5	257.5	242.6	228.7	215.2	202.8	193.8	186.0	180.5	179.3
145°	287.8	273.1	258.8	245.6	233.3	220.5	209.2	200.4	193.5	188.6	187.6
147.5°	284.7	271.8	259.3	247.4	236.3	225.1	215.1	207.4	201.0	196.8	196.2
150°	282.4	270.6	259.3	248.5	238.2	227.4	219.0	212.2	205.8	202.3	201.4
152.5°	279.7	269.1	258.9	249.3	240.1	230.1	222.6	216.1	210.5	207.4	206.9
155°	275.0	266.2	257.9	249.9	242.1	233.8	226.9	222.0	217.1	214.1	214.1
157.5°	270.7	263.2	256.6	250.5	243.8	236.6	231.4	227.1	222.9	220.5	220.6
160°	267.2	261.3	255.4	250.5	244.6	238.2	233.8	229.9	226.4	224.5	225.0
162.5°	264.1	258.9	254.3	250.1	245.4	239.8	236.2	233.0	230.0	228.0	228.5
165°	259.3	255.4	252.4	249.5	245.6	241.7	238.7	236.7	234.3	232.8	233.8
167.5°	254.7	251.9	249.7	248.3	245.6	242.3	240.5	239.1	237.7	236.9	237.3
170°	251.9	249.9	248.5	247.5	245.6	243.1	241.7	240.6	239.7	239.2	239.7
172.5°	249.2	247.6	246.9	246.8	245.2	243.1	242.5	241.9	240.8	240.4	241.3
175°	245.6	245.0	245.0	245.6	244.6	243.1	243.1	243.1	242.6	242.1	243.1
177.5°	244.0	243.6	243.6	244.4	244.0	243.2	243.2	243.6	243.2	243.2	244.0
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333558-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1094.4	1097.7	1102.3	1107.7	1112.0	1116.6	1119.1	1119.1	1121.3	1125.9	1132.0
5°	1097.6	1109.2	1120.3	1134.7	1145.8	1158.8	1168.6	1178.0	1186.5	1197.2	1208.4
7.5°	1096.7	1115.9	1136.1	1158.6	1183.5	1203.2	1223.6	1239.5	1255.2	1275.7	1291.9
10°	1093.1	1118.1	1145.4	1174.0	1205.3	1232.6	1257.1	1279.5	1301.0	1323.4	1343.4
12.5°	1086.7	1118.5	1151.8	1186.2	1225.7	1256.9	1288.7	1312.4	1337.5	1361.9	1386.7
15°	1077.0	1114.6	1154.8	1202.6	1250.9	1285.8	1317.1	1347.9	1371.1	1398.9	1422.6
17.5°	1057.0	1105.4	1156.1	1208.3	1254.7	1295.3	1328.1	1357.4	1382.2	1412.6	1444.8
20°	1045.3	1097.6	1150.3	1206.2	1250.4	1292.0	1323.8	1354.2	1385.0	1424.8	1464.1
22.5°	1028.8	1084.7	1140.7	1193.7	1240.4	1280.6	1313.4	1350.7	1391.1	1436.2	1483.8
25°	1002.8	1060.5	1115.9	1166.4	1212.0	1253.2	1297.9	1347.9	1397.1	1456.6	1525.0
27.5°	969.8	1025.4	1074.9	1128.3	1173.5	1225.9	1281.7	1335.9	1406.9	1488.7	1574.1
30°	945.1	997.9	1044.8	1095.4	1146.8	1204.5	1267.0	1330.9	1415.4	1511.6	1613.1
32.5°	916.5	964.2	1010.8	1059.5	1118.9	1182.2	1248.8	1327.0	1428.0	1537.3	1642.4
35°	866.9	909.8	954.9	1009.0	1072.1	1140.9	1225.9	1321.1	1443.1	1560.7	1655.1
37.5°	814.9	848.7	894.1	951.1	1019.8	1099.4	1195.8	1311.6	1436.9	1542.4	1582.5
40°	774.8	806.5	854.4	914.3	982.2	1069.4	1177.6	1296.5	1422.6	1495.9	1492.8
42.5°	735.0	767.2	813.2	873.5	944.3	1041.9	1153.3	1276.9	1383.3	1411.2	1353.0
45°	674.2	704.1	749.3	810.1	886.1	988.5	1105.6	1224.1	1292.0	1246.9	1131.5
47.5°	612.2	641.2	683.1	742.7	825.6	932.8	1043.5	1140.7	1150.3	1053.3	915.0
50°	571.4	598.7	638.4	701.9	782.4	887.0	993.9	1070.3	1046.6	928.2	785.5
52.5°	531.7	557.8	595.1	655.0	737.3	839.8	935.2	995.1	940.4	814.4	686.0
55°	473.0	498.0	535.6	590.6	665.2	759.1	842.7	864.6	784.2	657.2	553.5
57.5°	417.3	435.7	472.8	521.3	593.3	676.1	736.1	732.1	643.3	529.0	454.6
60°	380.5	397.0	432.3	477.0	545.4	619.7	661.7	643.8	553.9	459.6	388.1
62.5°	346.1	361.6	391.2	432.3	491.0	555.6	586.2	561.5	476.6	393.8	336.9
65°	294.2	305.3	329.1	367.0	413.1	457.8	485.1	448.8	373.8	311.2	268.2
67.5°	245.6	255.3	276.4	303.7	335.4	366.3	377.3	343.4	285.0	242.8	212.6
70°	214.1	223.1	237.4	262.9	283.9	305.8	311.2	280.8	232.0	199.8	181.1
72.5°	184.1	192.3	204.8	222.8	237.4	250.0	252.5	224.3	186.9	164.8	150.3
75°	140.3	147.6	155.6	162.3	171.7	173.9	173.0	151.1	131.0	116.2	108.2
77.5°	103.1	106.2	111.1	113.7	114.2	114.0	109.4	95.6	85.2	79.1	75.9
80°	79.6	81.8	83.2	84.0	84.5	80.0	75.1	66.6	63.0	59.5	55.4
82.5°	57.8	59.3	60.6	60.8	58.4	54.7	50.1	45.9	43.4	41.6	40.0
85°	31.3	31.8	31.3	29.1	25.9	24.6	23.7	22.8	22.4	21.9	21.9
87.5°	11.3	10.4	8.8	9.4	9.6	9.3	9.5	9.2	9.0	9.2	9.3
90°	0.9	2.0	2.9	4.0	4.9	5.4	6.4	6.9	7.8	8.4	8.9
92.5°	7.2	11.4	17.5	25.9	40.3	67.1	112.1	160.9	158.3	128.2	87.0
95°	16.7	20.7	26.0	36.9	59.0	111.5	219.6	355.1	435.1	425.9	353.1
97.5°	27.5	30.2	35.6	45.4	61.3	96.1	175.2	317.1	464.7	538.8	525.9
100°	35.4	37.4	42.7	52.1	66.8	95.3	159.1	282.9	443.5	566.3	604.1
102.5°	43.2	44.8	50.6	59.2	73.4	98.8	152.5	256.9	406.1	549.7	630.4
105°	55.5	57.9	62.9	70.7	84.5	106.1	149.8	231.8	356.1	497.1	614.9
107.5°	69.1	71.4	75.4	83.6	96.0	116.9	154.3	221.2	321.6	443.2	559.5
110°	78.1	80.1	84.5	91.9	104.6	124.8	158.6	218.1	305.5	412.6	518.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	87.1	88.7	93.2	100.5	112.9	132.2	164.1	218.1	296.1	389.8	486.5
115°	100.2	101.7	106.1	113.5	125.7	143.9	172.4	219.6	285.9	364.9	445.9
117.5°	112.4	114.1	118.5	126.8	138.7	155.9	181.8	222.7	280.9	350.1	419.8
120°	120.4	122.3	126.7	135.1	147.3	164.5	188.1	225.9	278.4	341.8	405.7
122.5°	128.2	129.8	134.1	143.4	155.6	172.8	195.2	228.7	276.6	334.8	395.1
125°	138.5	140.9	145.3	154.7	167.5	183.7	204.8	233.3	274.1	325.1	379.6
127.5°	147.1	150.3	155.9	165.8	178.6	194.2	213.6	238.5	272.9	316.3	363.9
130°	152.2	156.2	162.6	172.9	185.6	200.9	219.6	241.7	272.1	310.4	354.1
132.5°	156.6	161.3	168.5	179.2	191.9	207.2	224.6	245.2	272.1	305.7	344.3
135°	163.1	168.9	176.8	187.1	200.4	215.6	231.8	249.9	272.1	300.1	331.5
137.5°	170.7	176.2	184.0	194.1	207.8	221.6	237.1	254.4	272.7	295.1	320.7
140°	175.3	181.2	189.1	198.5	211.7	225.9	240.6	256.4	273.1	292.7	314.8
142.5°	180.5	186.0	193.8	202.8	215.2	228.7	242.6	257.5	273.5	290.8	309.7
145°	188.6	193.5	200.4	209.2	220.5	233.3	245.6	258.8	273.1	287.8	303.1
147.5°	196.8	201.0	207.4	215.1	225.1	236.3	247.4	259.3	271.8	284.7	296.8
150°	202.3	205.8	212.2	219.0	227.4	238.2	248.5	259.3	270.6	282.4	293.2
152.5°	207.4	210.5	216.1	222.6	230.1	240.1	249.3	258.9	269.1	279.7	289.3
155°	214.1	217.1	222.0	226.9	233.8	242.1	249.9	257.9	266.2	275.0	283.4
157.5°	220.5	222.9	227.1	231.4	236.6	243.8	250.5	256.6	263.2	270.7	277.5
160°	224.5	226.4	229.9	233.8	238.2	244.6	250.5	255.4	261.3	267.2	273.5
162.5°	228.0	230.0	233.0	236.2	239.8	245.4	250.1	254.3	258.9	264.1	269.2
165°	232.8	234.3	236.7	238.7	241.7	245.6	249.5	252.4	255.4	259.3	263.2
167.5°	236.9	237.7	239.1	240.5	242.3	245.6	248.3	249.7	251.9	254.7	257.5
170°	239.2	239.7	240.6	241.7	243.1	245.6	247.5	248.5	249.9	251.9	254.4
172.5°	240.4	240.8	241.9	242.5	243.1	245.2	246.8	246.9	247.6	249.2	250.9
175°	242.1	242.6	243.1	243.1	243.1	244.6	245.6	245.0	245.0	245.6	247.0
177.5°	243.2	243.2	243.6	243.2	243.2	244.0	244.4	243.6	243.6	244.0	244.4
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1136.6	1136.6	1142.7	1142.4	1146.3	1144.9	1145.6
5°	1221.8	1229.4	1236.1	1240.6	1247.3	1249.1	1248.2
7.5°	1310.2	1327.1	1335.3	1346.6	1348.7	1354.5	1353.9
10°	1364.9	1381.5	1394.0	1403.8	1408.8	1415.0	1415.4
12.5°	1407.8	1421.9	1433.0	1442.1	1448.0	1450.0	1451.2
15°	1441.4	1457.0	1470.0	1482.9	1490.6	1496.3	1499.5
17.5°	1475.2	1499.3	1522.2	1539.8	1550.4	1559.3	1559.2
20°	1501.2	1529.0	1557.6	1577.7	1598.3	1607.2	1608.6
22.5°	1529.1	1571.6	1608.4	1639.6	1666.6	1675.9	1679.4
25°	1587.1	1642.5	1699.4	1743.2	1774.4	1792.8	1795.4
27.5°	1657.1	1732.2	1791.9	1832.3	1858.3	1871.9	1874.8
30°	1706.5	1775.8	1829.5	1859.8	1871.9	1873.7	1867.0
32.5°	1728.6	1780.5	1801.9	1800.1	1776.4	1760.7	1754.6
35°	1701.6	1690.8	1638.5	1576.0	1528.1	1497.7	1489.6
37.5°	1548.5	1456.0	1359.7	1265.2	1214.8	1189.2	1145.2
40°	1397.6	1265.7	1165.5	1086.0	1029.2	983.5	972.8
42.5°	1227.3	1091.1	991.0	922.8	877.5	846.2	832.6
45°	986.3	869.1	786.4	734.1	699.2	676.4	666.2
47.5°	788.8	698.2	637.9	599.2	572.7	552.8	547.3
50°	680.4	608.0	557.1	524.4	504.3	489.1	482.8
52.5°	591.0	532.5	493.4	466.5	447.5	438.0	432.7
55°	487.8	437.2	409.1	387.6	376.9	369.3	365.7
57.5°	398.9	362.4	341.8	327.0	317.1	312.2	310.5
60°	349.1	320.6	301.8	290.2	283.4	277.2	275.4
62.5°	305.1	282.7	268.1	258.0	251.2	248.6	247.5
65°	245.9	231.2	220.4	214.1	208.8	207.9	207.4
67.5°	195.4	186.8	181.2	174.6	172.7	169.6	169.0
70°	167.2	161.4	154.7	152.5	150.2	147.1	147.6
72.5°	141.8	136.0	131.5	128.5	127.7	126.3	127.5
75°	103.8	101.9	100.1	97.9	97.0	97.0	96.6
77.5°	74.0	72.5	70.5	69.2	69.0	67.1	67.8
80°	53.6	51.4	50.5	51.0	49.6	49.2	49.2
82.5°	39.7	38.9	38.0	38.1	37.8	37.4	37.7
85°	21.9	21.4	21.4	21.0	21.0	20.6	20.6
87.5°	9.7	10.2	9.6	9.3	9.3	9.7	10.2
90°	9.3	9.8	10.8	10.8	10.8	11.3	11.3
92.5°	63.2	47.5	40.3	34.0	32.8	32.1	31.3
95°	278.4	218.1	176.8	142.0	127.2	123.3	115.5
97.5°	473.6	414.7	357.3	327.0	299.5	285.2	279.0
100°	580.1	529.4	478.4	444.4	409.1	391.0	383.1
102.5°	645.2	621.0	586.4	550.2	525.0	505.3	499.4
105°	682.2	703.8	698.4	682.7	666.5	656.7	650.7
107.5°	649.3	704.8	730.4	738.4	738.3	735.0	731.1
110°	612.0	681.2	723.0	745.0	754.4	757.9	757.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	575.1	645.1	694.3	726.6	742.6	751.1	754.7
115°	522.1	589.4	642.9	681.2	704.8	718.5	725.0
117.5°	485.4	543.4	592.5	630.9	655.2	668.8	672.8
120°	464.6	518.7	561.9	598.2	621.8	635.1	638.9
122.5°	449.7	497.8	538.3	570.7	592.3	605.5	609.1
125°	429.7	472.5	507.8	535.4	555.5	566.3	571.2
127.5°	410.7	450.6	483.7	508.6	526.4	536.6	538.8
130°	397.4	435.7	467.5	492.1	508.3	518.1	521.1
132.5°	384.8	419.6	450.3	474.8	491.0	500.1	503.4
135°	365.4	396.8	424.8	446.4	462.6	471.5	474.4
137.5°	348.1	374.3	398.0	417.3	432.1	440.2	443.5
140°	337.9	360.5	381.2	399.3	412.1	419.4	421.9
142.5°	329.2	348.7	366.6	382.0	392.8	399.8	401.8
145°	318.2	333.5	346.7	358.5	366.9	372.3	374.3
147.5°	309.1	320.8	330.8	340.2	346.8	350.0	350.9
150°	304.0	313.3	322.2	329.6	335.4	337.4	337.9
152.5°	298.9	307.5	314.4	320.6	325.2	327.2	327.7
155°	291.3	298.1	303.5	308.4	311.9	313.3	313.8
157.5°	284.0	289.3	293.5	297.3	300.1	301.5	301.4
160°	278.4	283.4	286.8	290.2	292.7	293.7	293.2
162.5°	273.8	277.8	280.9	283.6	285.7	285.9	285.8
165°	266.7	269.7	272.1	274.1	275.0	275.0	275.0
167.5°	259.8	262.1	263.8	264.8	265.7	265.3	265.2
170°	255.9	257.4	258.3	259.3	259.8	259.8	259.3
172.5°	252.4	253.4	254.0	254.3	255.1	254.3	253.8
175°	247.0	248.1	248.1	248.1	248.5	247.5	247.0
177.5°	244.8	244.8	244.8	244.4	244.8	243.6	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6

(END OF REPORT)