

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: P333557-935

Luminaire Tested: **S125RDIP-S850D590U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333557-935
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-S850D590U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4584.2 lumens
Efficiency: N/A
Efficacy: 113.8 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: Semi-Direct

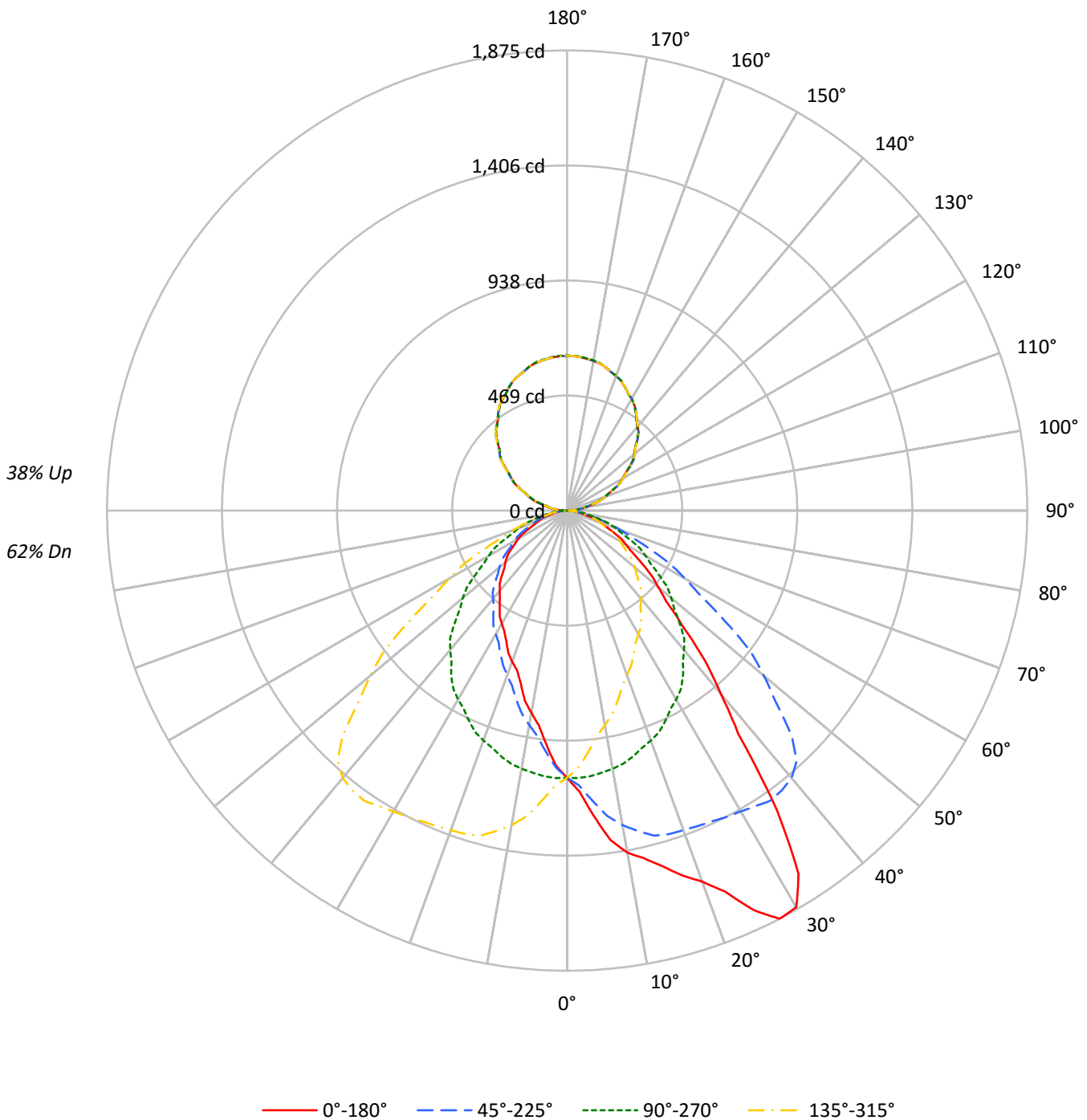
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	94	91	88	85	80	77	75	69	68	66	60	59	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	84	75	68	62	79	71	64	59	62	57	53	55	51	48	48	45	42	39
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	40	37	34
5	71	60	52	46	67	56	49	44	50	44	40	44	40	36	39	35	32	29
6	66	54	46	40	62	51	44	38	45	39	35	40	35	32	35	31	29	26
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	32	28	25	23
8	57	44	37	31	53	42	35	30	38	32	28	33	29	25	30	26	23	21
9	53	41	33	28	50	38	32	27	35	29	25	31	26	23	27	24	21	19
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	25	22	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	2.3
10°-20°	306.1	6.7
20°-30°	485.3	10.6
30°-40°	585.2	12.8
40°-50°	522.6	11.4
50°-60°	400.8	8.7
60°-70°	260.4	5.7
70°-80°	126.6	2.8
80°-90°	31.6	0.7
90°-100°	42.3	0.9
100°-110°	124.8	2.7
110°-120°	211.4	4.6
120°-130°	278.3	6.1
130°-140°	311.8	6.8
140°-150°	305.6	6.7
150°-160°	256.7	5.6
160°-170°	170.6	3.7
170°-180°	59.7	1.3
0°-30°	895.8	19.5
0°-40°	1481.0	32.3
0°-60°	2404.3	52.4
0°-90°	2823.0	61.6
90°-120°	378.5	8.3
90°-150°	1274.2	27.8
90°-180°	1761.0	38.4
0°-180°	4584.2	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°	12	0	12	0	12	8
95°	42	32	42	32	42	43
105°	122	112	122	112	122	129
115°	214	212	214	212	214	211
125°	311	309	311	309	311	278
135°	403	402	403	402	403	311
145°	489	487	489	487	489	305
155°	557	557	557	557	557	256
165°	604	606	604	606	604	170
175°	627	630	627	630	627	60
180°	631	631	631	631	631	



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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	9.8	9.4	9.3	9.6	10.2	9.7	9.3	9.2	9.0	9.3
90°	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0	8.4	7.8	7.1
92.5°	23.2	22.9	22.7	22.5	22.2	21.8	21.0	20.3	19.5	18.9	17.9
95°	42.3	42.0	41.8	41.6	41.3	40.9	40.1	39.3	38.6	37.8	36.8
97.5°	64.1	63.9	63.8	63.6	63.5	63.1	62.4	61.6	61.0	60.2	58.7
100°	80.6	80.3	80.2	79.9	79.6	79.0	78.1	77.1	76.1	75.2	73.7
102.5°	97.0	96.8	96.4	96.2	95.8	95.1	94.1	93.0	92.0	90.8	90.1
105°	121.8	121.5	121.1	120.8	120.5	120.0	119.3	118.7	118.0	117.4	116.8
107.5°	147.1	147.1	147.2	147.2	147.2	147.1	146.8	146.5	146.1	145.8	145.3
110°	166.0	166.1	166.3	166.3	166.4	166.3	166.0	165.7	165.4	165.1	164.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	184.5	184.7	184.9	185.1	185.3	185.3	185.1	185.0	184.9	184.7	184.3
115°	213.7	213.8	213.9	214.0	214.1	214.2	214.3	214.4	214.6	214.6	214.4
117.5°	242.1	242.6	243.1	243.5	243.9	244.1	244.0	243.9	243.8	243.7	243.5
120°	261.8	262.3	262.7	263.1	263.6	263.7	263.7	263.7	263.7	263.7	263.6
122.5°	281.5	281.8	282.1	282.5	282.8	283.1	283.2	283.3	283.4	283.4	283.1
125°	310.9	311.0	311.2	311.3	311.3	311.5	311.8	311.9	312.2	312.4	312.3
127.5°	339.2	339.4	339.7	339.8	340.1	340.3	340.4	340.4	340.6	340.7	340.5
130°	358.1	358.3	358.5	358.7	359.0	359.1	359.2	359.3	359.5	359.6	359.3
132.5°	375.7	376.1	376.3	376.7	376.9	377.2	377.3	377.4	377.5	377.6	377.6
135°	403.3	403.7	404.2	404.6	405.0	405.2	405.2	405.2	405.2	405.2	405.1
137.5°	430.2	430.8	431.3	431.8	432.4	432.6	432.4	432.3	432.1	432.0	431.8
140°	447.5	448.0	448.6	449.1	449.6	449.8	449.6	449.4	449.2	448.9	448.6
142.5°	464.0	464.5	465.0	465.6	466.1	466.3	466.2	466.1	466.0	465.8	465.5
145°	488.7	489.0	489.4	489.7	490.0	490.2	490.2	490.2	490.2	490.2	489.9
147.5°	509.9	510.6	511.3	512.0	512.8	513.1	512.8	512.6	512.3	512.0	511.8
150°	525.6	525.8	526.0	526.2	526.4	526.5	526.5	526.5	526.5	526.5	526.1
152.5°	538.6	538.9	539.3	539.7	540.1	540.2	539.9	539.7	539.4	539.2	538.9
155°	557.0	557.5	558.1	558.6	559.2	559.2	558.8	558.4	557.9	557.5	557.4
157.5°	572.4	573.2	573.9	574.5	575.3	575.4	575.0	574.5	574.1	573.7	573.6
160°	583.1	583.6	584.1	584.7	585.2	585.2	584.8	584.4	583.9	583.5	583.4
162.5°	592.0	592.7	593.3	594.0	594.6	594.7	594.1	593.6	593.1	592.5	592.5
165°	604.2	604.8	605.5	606.1	606.7	606.9	606.4	606.0	605.5	605.1	605.0
167.5°	613.8	614.4	615.1	615.8	616.5	616.5	615.9	615.2	614.5	613.9	613.9
170°	618.9	619.7	620.4	621.2	621.9	622.0	621.3	620.7	620.0	619.4	619.4
172.5°	623.2	623.9	624.6	625.3	625.9	625.9	625.3	624.7	624.0	623.3	623.3
175°	627.2	628.0	628.8	629.6	630.3	630.3	629.6	629.0	628.4	627.8	627.8
177.5°	629.6	630.2	630.9	631.5	632.1	632.1	631.5	631.0	630.5	630.0	630.1
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



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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	8.9	10.5	11.4	11.5	11.0	10.5	9.9
90°	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5	1.4	2.2	3.1
92.5°	17.0	16.0	15.1	14.3	13.7	13.1	12.5	11.9	12.5	13.1	13.7
95°	35.6	34.5	33.5	32.8	32.5	32.4	32.1	31.9	32.1	32.4	32.5
97.5°	57.2	55.7	54.2	53.4	53.3	53.2	53.1	53.0	53.1	53.2	53.3
100°	72.3	70.9	69.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
102.5°	89.5	88.7	88.0	87.4	87.0	86.5	86.1	85.7	86.1	86.5	87.0
105°	116.1	115.5	114.8	114.2	113.7	113.0	112.5	112.0	112.5	113.0	113.7
107.5°	144.7	144.3	143.8	143.3	142.7	142.2	141.6	141.0	141.6	142.2	142.7
110°	164.4	164.0	163.8	163.3	162.7	162.2	161.6	161.1	161.6	162.2	162.7



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	183.8	183.5	183.0	182.7	182.4	182.1	181.8	181.5	181.8	182.1	182.4
115°	214.2	214.0	213.8	213.4	213.0	212.6	212.2	211.7	212.2	212.6	213.0
117.5°	243.3	243.1	243.0	242.7	242.5	242.4	242.1	241.9	242.1	242.4	242.5
120°	263.6	263.5	263.3	263.0	262.4	261.9	261.4	260.8	261.4	261.9	262.4
122.5°	282.8	282.6	282.2	282.1	281.8	281.6	281.5	281.3	281.5	281.6	281.8
125°	312.2	312.0	311.9	311.6	310.9	310.2	309.6	308.9	309.6	310.2	310.9
127.5°	340.4	340.3	340.2	339.9	339.5	339.1	338.8	338.5	338.8	339.1	339.5
130°	359.1	358.9	358.7	358.3	357.7	357.2	356.6	356.1	356.6	357.2	357.7
132.5°	377.7	377.7	377.8	377.4	376.4	375.6	374.7	373.8	374.7	375.6	376.4
135°	405.0	404.9	404.8	404.4	403.7	403.1	402.4	401.7	402.4	403.1	403.7
137.5°	431.5	431.4	431.1	430.7	430.0	429.4	428.8	428.1	428.8	429.4	430.0
140°	448.3	448.0	447.6	447.2	446.6	446.1	445.6	445.0	445.6	446.1	446.6
142.5°	465.0	464.6	464.2	463.7	463.3	462.8	462.4	461.9	462.4	462.8	463.3
145°	489.6	489.2	488.9	488.5	488.1	487.7	487.2	486.7	487.2	487.7	488.1
147.5°	511.5	511.2	510.9	510.7	510.5	510.2	510.0	509.7	510.0	510.2	510.5
150°	525.6	525.2	524.8	524.6	524.8	524.9	525.0	525.0	525.0	524.9	524.8
152.5°	538.7	538.6	538.4	538.2	538.1	538.0	537.8	537.6	537.8	538.0	538.1
155°	557.2	557.2	557.1	557.0	557.0	557.0	557.0	557.0	557.0	557.0	557.0
157.5°	573.5	573.3	573.3	573.3	573.6	573.8	574.0	574.3	574.0	573.8	573.6
160°	583.3	583.2	583.1	583.2	583.5	583.8	584.2	584.5	584.2	583.8	583.5
162.5°	592.5	592.5	592.5	592.5	592.8	593.1	593.3	593.6	593.3	593.1	592.8
165°	604.9	604.8	604.7	604.8	604.9	605.2	605.4	605.6	605.4	605.2	604.9
167.5°	613.9	613.9	613.9	614.1	614.5	614.9	615.4	615.9	615.4	614.9	614.5
170°	619.4	619.4	619.4	619.6	620.0	620.4	620.9	621.3	620.9	620.4	620.0
172.5°	623.3	623.3	623.3	623.5	624.0	624.4	624.8	625.3	624.8	624.4	624.0
175°	627.8	627.8	627.8	627.9	628.4	628.8	629.2	629.6	629.2	628.8	628.4
177.5°	630.2	630.3	630.3	630.5	630.9	631.3	631.6	632.0	631.6	631.3	630.9
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

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	9.7	10.6	9.6	10.2	10.2	10.0	10.2	10.2	10.0
90°	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0	9.5	10.1	10.5
92.5°	14.3	15.1	16.0	17.0	17.9	18.9	19.5	20.3	21.0	21.8	22.2
95°	32.8	33.5	34.5	35.6	36.8	37.8	38.6	39.3	40.1	40.9	41.3
97.5°	53.4	54.2	55.7	57.2	58.7	60.2	61.0	61.6	62.4	63.1	63.5
100°	68.8	69.5	70.9	72.3	73.7	75.2	76.1	77.1	78.1	79.0	79.6
102.5°	87.4	88.0	88.7	89.5	90.1	90.8	92.0	93.0	94.1	95.1	95.8
105°	114.2	114.8	115.5	116.1	116.8	117.4	118.0	118.7	119.3	120.0	120.5
107.5°	143.3	143.8	144.3	144.7	145.3	145.8	146.1	146.5	146.8	147.1	147.2
110°	163.3	163.8	164.0	164.4	164.7	165.1	165.4	165.7	166.0	166.3	166.4



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.7	183.0	183.5	183.8	184.3	184.7	184.9	185.0	185.1	185.3	185.3
115°	213.4	213.8	214.0	214.2	214.4	214.6	214.6	214.4	214.3	214.2	214.1
117.5°	242.7	243.0	243.1	243.3	243.5	243.7	243.8	243.9	244.0	244.1	243.9
120°	263.0	263.3	263.5	263.6	263.6	263.7	263.7	263.7	263.7	263.7	263.6
122.5°	282.1	282.2	282.6	282.8	283.1	283.4	283.4	283.3	283.2	283.1	282.8
125°	311.6	311.9	312.0	312.2	312.3	312.4	312.2	311.9	311.8	311.5	311.3
127.5°	339.9	340.2	340.3	340.4	340.5	340.7	340.6	340.4	340.4	340.3	340.1
130°	358.3	358.7	358.9	359.1	359.3	359.6	359.5	359.3	359.2	359.1	359.0
132.5°	377.4	377.8	377.7	377.7	377.6	377.6	377.5	377.4	377.3	377.2	376.9
135°	404.4	404.8	404.9	405.0	405.1	405.2	405.2	405.2	405.2	405.2	405.0
137.5°	430.7	431.1	431.4	431.5	431.8	432.0	432.1	432.3	432.4	432.6	432.4
140°	447.2	447.6	448.0	448.3	448.6	448.9	449.2	449.4	449.6	449.8	449.6
142.5°	463.7	464.2	464.6	465.0	465.5	465.8	466.0	466.1	466.2	466.3	466.1
145°	488.5	488.9	489.2	489.6	489.9	490.2	490.2	490.2	490.2	490.2	490.0
147.5°	510.7	510.9	511.2	511.5	511.8	512.0	512.3	512.6	512.8	513.1	512.8
150°	524.6	524.8	525.2	525.6	526.1	526.5	526.5	526.5	526.5	526.5	526.4
152.5°	538.2	538.4	538.6	538.7	538.9	539.2	539.4	539.7	539.9	540.2	540.1
155°	557.0	557.1	557.2	557.2	557.4	557.5	557.9	558.4	558.8	559.2	559.2
157.5°	573.3	573.3	573.3	573.5	573.6	573.7	574.1	574.5	575.0	575.4	575.3
160°	583.2	583.1	583.2	583.3	583.4	583.5	583.9	584.4	584.8	585.2	585.2
162.5°	592.5	592.5	592.5	592.5	592.5	592.5	593.1	593.6	594.1	594.7	594.6
165°	604.8	604.7	604.8	604.9	605.0	605.1	605.5	606.0	606.4	606.9	606.7
167.5°	614.1	613.9	613.9	613.9	613.9	613.9	614.5	615.2	615.9	616.5	616.5
170°	619.6	619.4	619.4	619.4	619.4	619.4	620.0	620.7	621.3	622.0	621.9
172.5°	623.5	623.3	623.3	623.3	623.3	623.3	624.0	624.7	625.3	625.9	625.9
175°	627.9	627.8	627.8	627.8	627.8	627.8	628.4	629.0	629.6	630.3	630.3
177.5°	630.5	630.3	630.3	630.2	630.1	630.0	630.5	631.0	631.5	632.1	632.1
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

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	10.1	10.2	10.2	10.2	10.1	10.4	10.0	10.2	10.2	10.0
90°	10.8	11.1	11.5	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0
92.5°	22.5	22.7	22.9	23.2	22.9	22.7	22.5	22.2	21.8	21.0	20.3
95°	41.6	41.8	42.0	42.3	42.0	41.8	41.6	41.3	40.9	40.1	39.3
97.5°	63.6	63.8	63.9	64.1	63.9	63.8	63.6	63.5	63.1	62.4	61.6
100°	79.9	80.2	80.3	80.6	80.3	80.2	79.9	79.6	79.0	78.1	77.1
102.5°	96.2	96.4	96.8	97.0	96.8	96.4	96.2	95.8	95.1	94.1	93.0
105°	120.8	121.1	121.5	121.8	121.5	121.1	120.8	120.5	120.0	119.3	118.7
107.5°	147.2	147.2	147.1	147.1	147.1	147.2	147.2	147.2	147.1	146.8	146.5
110°	166.3	166.3	166.1	166.0	166.1	166.3	166.3	166.4	166.3	166.0	165.7



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	185.1	184.9	184.7	184.5	184.7	184.9	185.1	185.3	185.3	185.1	185.0
115°	214.0	213.9	213.8	213.7	213.8	213.9	214.0	214.1	214.2	214.3	214.4
117.5°	243.5	243.1	242.6	242.1	242.6	243.1	243.5	243.9	244.1	244.0	243.9
120°	263.1	262.7	262.3	261.8	262.3	262.7	263.1	263.6	263.7	263.7	263.7
122.5°	282.5	282.1	281.8	281.5	281.8	282.1	282.5	282.8	283.1	283.2	283.3
125°	311.3	311.2	311.0	310.9	311.0	311.2	311.3	311.3	311.5	311.8	311.9
127.5°	339.8	339.7	339.4	339.2	339.4	339.7	339.8	340.1	340.3	340.4	340.4
130°	358.7	358.5	358.3	358.1	358.3	358.5	358.7	359.0	359.1	359.2	359.3
132.5°	376.7	376.3	376.1	375.7	376.1	376.3	376.7	376.9	377.2	377.3	377.4
135°	404.6	404.2	403.7	403.3	403.7	404.2	404.6	405.0	405.2	405.2	405.2
137.5°	431.8	431.3	430.8	430.2	430.8	431.3	431.8	432.4	432.6	432.4	432.3
140°	449.1	448.6	448.0	447.5	448.0	448.6	449.1	449.6	449.8	449.6	449.4
142.5°	465.6	465.0	464.5	464.0	464.5	465.0	465.6	466.1	466.3	466.2	466.1
145°	489.7	489.4	489.0	488.7	489.0	489.4	489.7	490.0	490.2	490.2	490.2
147.5°	512.0	511.3	510.6	509.9	510.6	511.3	512.0	512.8	513.1	512.8	512.6
150°	526.2	526.0	525.8	525.6	525.8	526.0	526.2	526.4	526.5	526.5	526.5
152.5°	539.7	539.3	538.9	538.6	538.9	539.3	539.7	540.1	540.2	539.9	539.7
155°	558.6	558.1	557.5	557.0	557.5	558.1	558.6	559.2	559.2	558.8	558.4
157.5°	574.5	573.9	573.2	572.4	573.2	573.9	574.5	575.3	575.4	575.0	574.5
160°	584.7	584.1	583.6	583.1	583.6	584.1	584.7	585.2	585.2	584.8	584.4
162.5°	594.0	593.3	592.7	592.0	592.7	593.3	594.0	594.6	594.7	594.1	593.6
165°	606.1	605.5	604.8	604.2	604.8	605.5	606.1	606.7	606.9	606.4	606.0
167.5°	615.8	615.1	614.4	613.8	614.4	615.1	615.8	616.5	616.5	615.9	615.2
170°	621.2	620.4	619.7	618.9	619.7	620.4	621.2	621.9	622.0	621.3	620.7
172.5°	625.3	624.6	623.9	623.2	623.9	624.6	625.3	625.9	625.9	625.3	624.7
175°	629.6	628.8	628.0	627.2	628.0	628.8	629.6	630.3	630.3	629.6	629.0
177.5°	631.5	630.9	630.2	629.6	630.2	630.9	631.5	632.1	632.1	631.5	631.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

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	9.7	9.9	9.7	9.9	10.5	11.0	11.5
90°	8.4	7.8	7.1	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5
92.5°	19.5	18.9	17.9	17.0	16.0	15.1	14.3	13.7	13.1	12.5	11.9
95°	38.6	37.8	36.8	35.6	34.5	33.5	32.8	32.5	32.4	32.1	31.9
97.5°	61.0	60.2	58.7	57.2	55.7	54.2	53.4	53.3	53.2	53.1	53.0
100°	76.1	75.2	73.7	72.3	70.9	69.5	68.8	68.8	68.8	68.8	68.8
102.5°	92.0	90.8	90.1	89.5	88.7	88.0	87.4	87.0	86.5	86.1	85.7
105°	118.0	117.4	116.8	116.1	115.5	114.8	114.2	113.7	113.0	112.5	112.0
107.5°	146.1	145.8	145.3	144.7	144.3	143.8	143.3	142.7	142.2	141.6	141.0
110°	165.4	165.1	164.7	164.4	164.0	163.8	163.3	162.7	162.2	161.6	161.1



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	184.9	184.7	184.3	183.8	183.5	183.0	182.7	182.4	182.1	181.8	181.5
115°	214.6	214.6	214.4	214.2	214.0	213.8	213.4	213.0	212.6	212.2	211.7
117.5°	243.8	243.7	243.5	243.3	243.1	243.0	242.7	242.5	242.4	242.1	241.9
120°	263.7	263.7	263.6	263.6	263.5	263.3	263.0	262.4	261.9	261.4	260.8
122.5°	283.4	283.4	283.1	282.8	282.6	282.2	282.1	281.8	281.6	281.5	281.3
125°	312.2	312.4	312.3	312.2	312.0	311.9	311.6	310.9	310.2	309.6	308.9
127.5°	340.6	340.7	340.5	340.4	340.3	340.2	339.9	339.5	339.1	338.8	338.5
130°	359.5	359.6	359.3	359.1	358.9	358.7	358.3	357.7	357.2	356.6	356.1
132.5°	377.5	377.6	377.6	377.7	377.7	377.8	377.4	376.4	375.6	374.7	373.8
135°	405.2	405.2	405.1	405.0	404.9	404.8	404.4	403.7	403.1	402.4	401.7
137.5°	432.1	432.0	431.8	431.5	431.4	431.1	430.7	430.0	429.4	428.8	428.1
140°	449.2	448.9	448.6	448.3	448.0	447.6	447.2	446.6	446.1	445.6	445.0
142.5°	466.0	465.8	465.5	465.0	464.6	464.2	463.7	463.3	462.8	462.4	461.9
145°	490.2	490.2	489.9	489.6	489.2	488.9	488.5	488.1	487.7	487.2	486.7
147.5°	512.3	512.0	511.8	511.5	511.2	510.9	510.7	510.5	510.2	510.0	509.7
150°	526.5	526.5	526.1	525.6	525.2	524.8	524.6	524.8	524.9	525.0	525.0
152.5°	539.4	539.2	538.9	538.7	538.6	538.4	538.2	538.1	538.0	537.8	537.6
155°	557.9	557.5	557.4	557.2	557.2	557.1	557.0	557.0	557.0	557.0	557.0
157.5°	574.1	573.7	573.6	573.5	573.3	573.3	573.3	573.6	573.8	574.0	574.3
160°	583.9	583.5	583.4	583.3	583.2	583.1	583.2	583.5	583.8	584.2	584.5
162.5°	593.1	592.5	592.5	592.5	592.5	592.5	592.5	592.8	593.1	593.3	593.6
165°	605.5	605.1	605.0	604.9	604.8	604.7	604.8	604.9	605.2	605.4	605.6
167.5°	614.5	613.9	613.9	613.9	613.9	613.9	614.1	614.5	614.9	615.4	615.9
170°	620.0	619.4	619.4	619.4	619.4	619.4	619.6	620.0	620.4	620.9	621.3
172.5°	624.0	623.3	623.3	623.3	623.3	623.3	623.5	624.0	624.4	624.8	625.3
175°	628.4	627.8	627.8	627.8	627.8	627.8	627.9	628.4	628.8	629.2	629.6
177.5°	630.5	630.0	630.1	630.2	630.3	630.3	630.5	630.9	631.3	631.6	632.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333557-935

CATALOG NUMBER: S125RDIP-S850D590U935-4F0-1E-UDD-A1

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°	11.4	10.5	8.9	9.4	9.6	9.3	9.5	9.3	9.0	9.2	9.3
90°	1.4	2.2	3.1	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0
92.5°	12.5	13.1	13.7	14.3	15.1	16.0	17.0	17.9	18.9	19.5	20.3
95°	32.1	32.4	32.5	32.8	33.5	34.5	35.6	36.8	37.8	38.6	39.3
97.5°	53.1	53.2	53.3	53.4	54.2	55.7	57.2	58.7	60.2	61.0	61.6
100°	68.8	68.8	68.8	68.8	69.5	70.9	72.3	73.7	75.2	76.1	77.1
102.5°	86.1	86.5	87.0	87.4	88.0	88.7	89.5	90.1	90.8	92.0	93.0
105°	112.5	113.0	113.7	114.2	114.8	115.5	116.1	116.8	117.4	118.0	118.7
107.5°	141.6	142.2	142.7	143.3	143.8	144.3	144.7	145.3	145.8	146.1	146.5
110°	161.6	162.2	162.7	163.3	163.8	164.0	164.4	164.7	165.1	165.4	165.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	181.8	182.1	182.4	182.7	183.0	183.5	183.8	184.3	184.7	184.9	185.0
115°	212.2	212.6	213.0	213.4	213.8	214.0	214.2	214.4	214.6	214.6	214.4
117.5°	242.1	242.4	242.5	242.7	243.0	243.1	243.3	243.5	243.7	243.8	243.9
120°	261.4	261.9	262.4	263.0	263.3	263.5	263.6	263.6	263.7	263.7	263.7
122.5°	281.5	281.6	281.8	282.1	282.2	282.6	282.8	283.1	283.4	283.4	283.3
125°	309.6	310.2	310.9	311.6	311.9	312.0	312.2	312.3	312.4	312.2	311.9
127.5°	338.8	339.1	339.5	339.9	340.2	340.3	340.4	340.5	340.7	340.6	340.4
130°	356.6	357.2	357.7	358.3	358.7	358.9	359.1	359.3	359.6	359.5	359.3
132.5°	374.7	375.6	376.4	377.4	377.8	377.7	377.7	377.6	377.6	377.5	377.4
135°	402.4	403.1	403.7	404.4	404.8	404.9	405.0	405.1	405.2	405.2	405.2
137.5°	428.8	429.4	430.0	430.7	431.1	431.4	431.5	431.8	432.0	432.1	432.3
140°	445.6	446.1	446.6	447.2	447.6	448.0	448.3	448.6	448.9	449.2	449.4
142.5°	462.4	462.8	463.3	463.7	464.2	464.6	465.0	465.5	465.8	466.0	466.1
145°	487.2	487.7	488.1	488.5	488.9	489.2	489.6	489.9	490.2	490.2	490.2
147.5°	510.0	510.2	510.5	510.7	510.9	511.2	511.5	511.8	512.0	512.3	512.6
150°	525.0	524.9	524.8	524.6	524.8	525.2	525.6	526.1	526.5	526.5	526.5
152.5°	537.8	538.0	538.1	538.2	538.4	538.6	538.7	538.9	539.2	539.4	539.7
155°	557.0	557.0	557.0	557.0	557.1	557.2	557.2	557.4	557.5	557.9	558.4
157.5°	574.0	573.8	573.6	573.3	573.3	573.3	573.5	573.6	573.7	574.1	574.5
160°	584.2	583.8	583.5	583.2	583.1	583.2	583.3	583.4	583.5	583.9	584.4
162.5°	593.3	593.1	592.8	592.5	592.5	592.5	592.5	592.5	592.5	593.1	593.6
165°	605.4	605.2	604.9	604.8	604.7	604.8	604.9	605.0	605.1	605.5	606.0
167.5°	615.4	614.9	614.5	614.1	613.9	613.9	613.9	613.9	613.9	614.5	615.2
170°	620.9	620.4	620.0	619.6	619.4	619.4	619.4	619.4	619.4	620.0	620.7
172.5°	624.8	624.4	624.0	623.5	623.3	623.3	623.3	623.3	623.3	624.0	624.7
175°	629.2	628.8	628.4	627.9	627.8	627.8	627.8	627.8	627.8	628.4	629.0
177.5°	631.6	631.3	630.9	630.5	630.3	630.3	630.2	630.1	630.0	630.5	631.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



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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	9.4	9.8	10.2
90°	9.5	10.1	10.5	10.8	11.1	11.5	11.8
92.5°	21.0	21.8	22.2	22.5	22.7	22.9	23.2
95°	40.1	40.9	41.3	41.6	41.8	42.0	42.3
97.5°	62.4	63.1	63.5	63.6	63.8	63.9	64.1
100°	78.1	79.0	79.6	79.9	80.2	80.3	80.6
102.5°	94.1	95.1	95.8	96.2	96.4	96.8	97.0
105°	119.3	120.0	120.5	120.8	121.1	121.5	121.8
107.5°	146.8	147.1	147.2	147.2	147.2	147.1	147.1
110°	166.0	166.3	166.4	166.3	166.3	166.1	166.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	185.1	185.3	185.3	185.1	184.9	184.7	184.5
115°	214.3	214.2	214.1	214.0	213.9	213.8	213.7
117.5°	244.0	244.1	243.9	243.5	243.1	242.6	242.1
120°	263.7	263.7	263.6	263.1	262.7	262.3	261.8
122.5°	283.2	283.1	282.8	282.5	282.1	281.8	281.5
125°	311.8	311.5	311.3	311.3	311.2	311.0	310.9
127.5°	340.4	340.3	340.1	339.8	339.7	339.4	339.2
130°	359.2	359.1	359.0	358.7	358.5	358.3	358.1
132.5°	377.3	377.2	376.9	376.7	376.3	376.1	375.7
135°	405.2	405.2	405.0	404.6	404.2	403.7	403.3
137.5°	432.4	432.6	432.4	431.8	431.3	430.8	430.2
140°	449.6	449.8	449.6	449.1	448.6	448.0	447.5
142.5°	466.2	466.3	466.1	465.6	465.0	464.5	464.0
145°	490.2	490.2	490.0	489.7	489.4	489.0	488.7
147.5°	512.8	513.1	512.8	512.0	511.3	510.6	509.9
150°	526.5	526.5	526.4	526.2	526.0	525.8	525.6
152.5°	539.9	540.2	540.1	539.7	539.3	538.9	538.6
155°	558.8	559.2	559.2	558.6	558.1	557.5	557.0
157.5°	575.0	575.4	575.3	574.5	573.9	573.2	572.4
160°	584.8	585.2	585.2	584.7	584.1	583.6	583.1
162.5°	594.1	594.7	594.6	594.0	593.3	592.7	592.0
165°	606.4	606.9	606.7	606.1	605.5	604.8	604.2
167.5°	615.9	616.5	616.5	615.8	615.1	614.4	613.8
170°	621.3	622.0	621.9	621.2	620.4	619.7	618.9
172.5°	625.3	625.9	625.9	625.3	624.6	623.9	623.2
175°	629.6	630.3	630.3	629.6	628.8	628.0	627.2
177.5°	631.5	632.1	632.1	631.5	630.9	630.2	629.6
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2

(END OF REPORT)