

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: P333558-930

Luminaire Tested: **S125RDIP-S850D590U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333558-930
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-S850D590U930-4F0-1E-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: 4403.0 lumens
Efficiency: N/A
Efficacy: 109.3 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

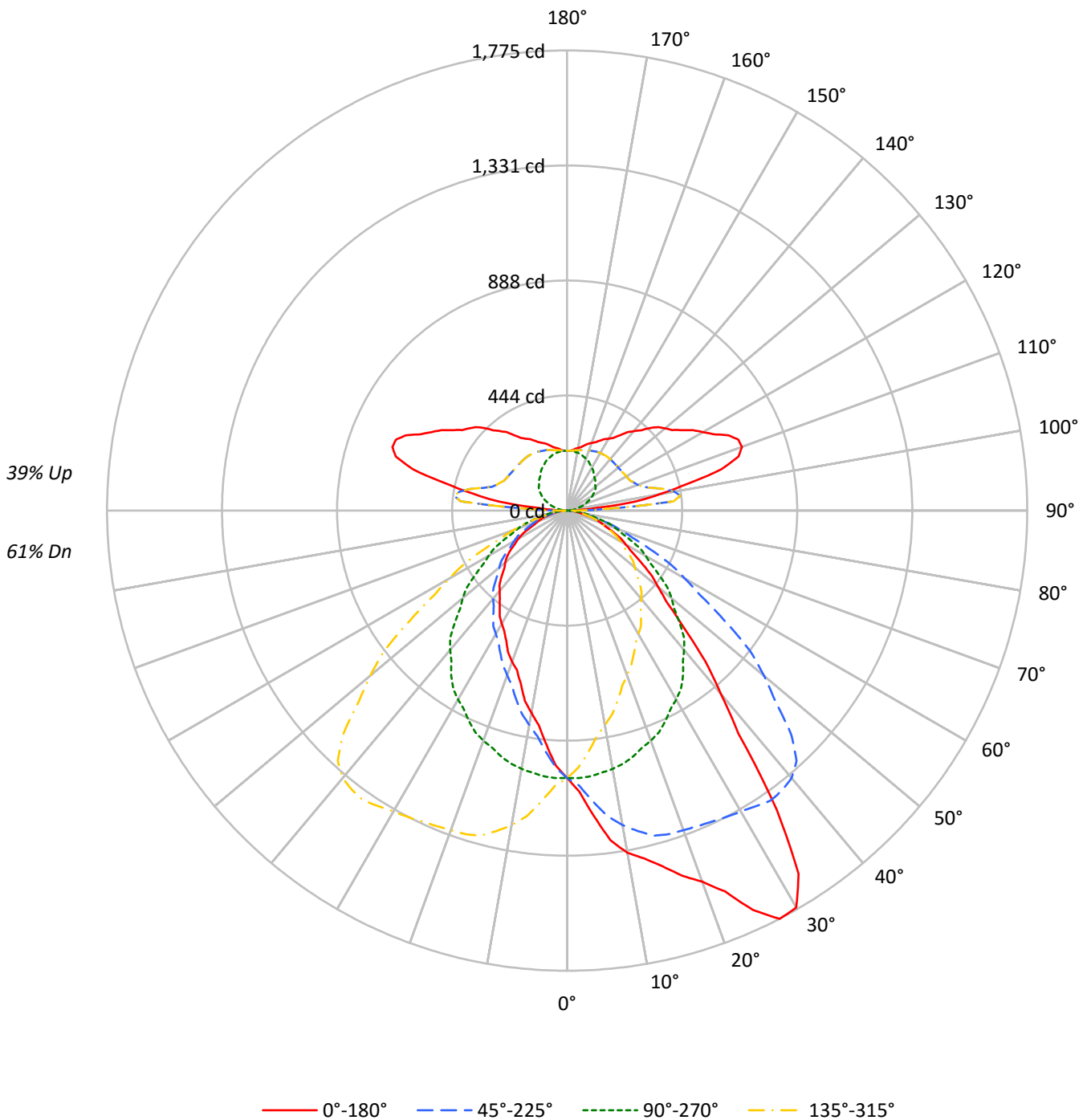
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6660	6660	6660	6660
5°	7662	6669	5890	6669
10°	8790	6635	5197	6635
15°	9494	6567	4619	6567
20°	10469	6488	4265	6488
25°	12115	6383	3958	6383
30°	13184	6272	3757	6272
35°	11121	6144	3572	6144
40°	7766	5914	3412	5914
45°	5761	5602	3255	5602
50°	4594	5279	3122	5279
55°	3899	4877	3003	4877
60°	3369	4517	2811	4517
65°	3001	4128	2419	4128
70°	2638	3780	2206	3780
75°	2283	3276	2071	3276
80°	1733	2756	1733	2756
85°	1445	2164	1630	2164



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	2.2
10°-20°	289.8	6.6
20°-30°	459.5	10.4
30°-40°	554.1	12.6
40°-50°	494.9	11.2
50°-60°	379.5	8.6
60°-70°	246.6	5.6
70°-80°	119.9	2.7
80°-90°	29.9	0.7
90°-100°	167.2	3.8
100°-110°	359.4	8.2
110°-120°	337.3	7.7
120°-130°	273.4	6.2
130°-140°	219.4	5.0
140°-150°	165.6	3.8
150°-160°	116.5	2.6
160°-170°	68.7	1.6
170°-180°	22.3	0.5
0°-30°	848.2	19.3
0°-40°	1402.4	31.9
0°-60°	2276.7	51.7
0°-90°	2673.1	60.7
90°-120°	864.0	19.6
90°-150°	1522.3	34.6
90°-180°	1730.0	39.3
0°-180°	4403.0	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°	11	0	11	0	11	8
95°	109	15	109	15	109	155
105°	616	53	616	53	616	613
115°	686	94	686	94	686	671
125°	541	130	541	130	541	489
135°	449	152	449	152	449	348
145°	354	178	354	178	354	225
155°	297	203	297	203	297	139
165°	260	221	260	221	260	74
175°	234	230	234	230	234	23
180°	231	231	231	231	231	



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

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°	9.6	9.2	8.8	8.8	9.1	9.6	9.2	8.8	8.7	8.6	8.7
90°	10.7	10.7	10.2	10.2	10.2	9.3	8.8	8.4	7.9	7.4	6.5
92.5°	29.7	30.4	31.1	32.2	38.2	45.0	59.8	82.4	121.4	149.9	152.4
95°	109.3	116.8	120.4	134.4	167.5	206.5	263.7	334.4	403.2	412.1	336.2
97.5°	264.2	270.1	283.6	309.7	338.3	392.7	448.4	498.0	510.2	440.0	300.3
100°	362.7	370.2	387.4	420.9	453.0	501.3	549.3	572.0	536.2	420.0	267.9
102.5°	472.9	478.5	497.2	521.0	555.3	588.0	611.0	597.0	520.6	384.6	243.3
105°	616.2	621.8	631.1	646.5	661.3	666.4	646.0	582.3	470.7	337.2	219.5
107.5°	692.3	696.0	699.1	699.2	691.6	667.4	614.8	529.8	419.7	304.5	209.5
110°	717.6	717.6	714.4	705.5	684.6	645.1	579.5	491.1	390.7	289.3	206.5



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	714.6	711.3	703.2	688.0	657.5	610.8	544.5	460.6	369.1	280.4	206.5
115°	686.5	680.4	667.4	645.1	608.8	558.1	494.4	422.2	345.5	270.7	207.9
117.5°	637.1	633.3	620.4	597.4	561.1	514.5	459.7	397.5	331.5	266.0	210.9
120°	605.0	601.4	588.8	566.5	532.1	491.1	439.9	384.2	323.7	263.7	213.9
122.5°	576.7	573.4	560.8	540.4	509.7	471.4	425.8	374.1	317.0	261.9	216.5
125°	540.9	536.2	526.0	507.0	480.9	447.4	406.9	359.5	307.9	259.5	220.9
127.5°	510.2	508.1	498.5	481.6	458.0	426.6	388.9	344.6	299.5	258.4	225.8
130°	493.4	490.6	481.4	466.0	442.7	412.5	376.3	335.3	293.9	257.6	228.9
132.5°	476.7	473.5	465.0	449.6	426.4	397.3	364.4	326.0	289.4	257.6	232.2
135°	449.2	446.5	438.1	422.7	402.3	375.8	346.0	313.9	284.1	257.6	236.7
137.5°	420.0	416.9	409.2	395.2	376.9	354.4	329.6	303.7	279.4	258.2	240.9
140°	399.5	397.1	390.2	378.1	360.9	341.4	320.0	298.1	277.2	258.6	242.8
142.5°	380.5	378.5	371.9	361.7	347.2	330.2	311.8	293.3	275.3	258.9	243.9
145°	354.4	352.5	347.4	339.5	328.3	315.8	301.3	287.0	272.6	258.6	245.1
147.5°	332.2	331.4	328.4	322.1	313.2	303.8	292.7	281.0	269.6	257.4	245.6
150°	320.0	319.5	317.6	312.1	305.1	296.7	287.9	277.6	267.4	256.2	245.6
152.5°	310.3	309.8	307.9	303.5	297.7	291.1	283.1	273.9	264.8	254.8	245.2
155°	297.2	296.7	295.3	292.0	287.4	282.3	275.8	268.3	260.4	252.1	244.2
157.5°	285.4	285.5	284.2	281.5	277.9	273.9	268.9	262.8	256.3	249.2	243.0
160°	277.6	278.1	277.2	274.8	271.6	268.3	263.7	259.0	253.0	247.4	241.8
162.5°	270.6	270.7	270.5	268.6	266.0	263.1	259.3	254.9	250.1	245.2	240.8
165°	260.4	260.4	260.4	259.5	257.6	255.4	252.5	249.2	245.6	241.8	239.0
167.5°	251.1	251.2	251.6	250.8	249.8	248.2	246.1	243.9	241.2	238.6	236.4
170°	245.6	246.1	246.1	245.6	244.6	243.7	242.3	240.9	238.6	236.7	235.3
172.5°	240.4	240.8	241.6	240.8	240.5	239.9	239.0	237.6	235.9	234.5	233.8
175°	233.9	234.4	235.3	234.9	234.9	234.9	233.9	233.9	232.5	232.0	232.0
177.5°	230.6	230.6	231.8	231.4	231.8	231.8	231.8	231.4	231.1	230.6	230.6
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

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°	9.0	8.8	9.0	8.9	8.3	9.9	10.7	10.9	10.4	9.9	9.4
90°	6.0	5.1	4.6	3.8	2.8	1.9	0.9	0.5	0.9	1.9	2.8
92.5°	106.2	63.5	38.2	24.5	16.6	10.8	6.8	5.7	6.8	10.8	16.6
95°	207.9	105.6	55.8	34.9	24.6	19.6	15.8	15.3	15.8	19.6	24.6
97.5°	165.9	91.0	58.0	43.0	33.8	28.6	26.0	25.5	26.0	28.6	33.8
100°	150.7	90.3	63.3	49.3	40.4	35.4	33.5	32.5	33.5	35.4	40.4
102.5°	144.4	93.6	69.5	56.0	47.9	42.4	40.9	40.4	40.9	42.4	47.9
105°	141.9	100.4	80.0	66.9	59.5	54.9	52.6	52.6	52.6	54.9	59.5
107.5°	146.1	110.7	90.9	79.2	71.4	67.6	65.4	64.5	65.4	67.6	71.4
110°	150.2	118.1	99.1	87.0	80.0	75.8	73.9	73.1	73.9	75.8	80.0



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	155.4	125.2	106.9	95.1	88.2	84.0	82.5	81.6	82.5	84.0	88.2
115°	163.2	136.2	119.0	107.5	100.4	96.3	94.9	93.9	94.9	96.3	100.4
117.5°	172.2	147.7	131.3	120.1	112.2	108.0	106.5	105.1	106.5	108.0	112.2
120°	178.1	155.8	139.5	127.9	120.0	115.8	114.0	112.5	114.0	115.8	120.0
122.5°	184.8	163.6	147.3	135.7	127.0	122.9	121.4	120.3	121.4	122.9	127.0
125°	194.0	173.9	158.6	146.5	137.6	133.5	131.2	130.2	131.2	133.5	137.6
127.5°	202.3	183.8	169.1	157.0	147.7	142.4	139.3	137.9	139.3	142.4	147.7
130°	207.9	190.2	175.8	163.7	153.9	147.9	144.1	142.8	144.1	147.9	153.9
132.5°	212.7	196.2	181.7	169.7	159.6	152.7	148.3	146.5	148.3	152.7	159.6
135°	219.5	204.2	189.7	177.2	167.5	160.0	154.4	152.5	154.4	160.0	167.5
137.5°	224.5	209.9	196.7	183.8	174.2	166.8	161.6	160.2	161.6	166.8	174.2
140°	227.9	213.9	200.5	187.9	179.0	171.6	166.0	164.6	166.0	171.6	179.0
142.5°	229.8	216.5	203.8	192.0	183.5	176.1	170.9	169.8	170.9	176.1	183.5
145°	232.5	220.9	208.8	198.1	189.7	183.2	178.6	177.7	178.6	183.2	189.7
147.5°	234.2	223.7	213.1	203.7	196.4	190.4	186.4	185.8	186.4	190.4	196.4
150°	235.3	225.6	215.3	207.4	200.9	194.9	191.6	190.7	191.6	194.9	200.9
152.5°	236.0	227.4	217.9	210.8	204.6	199.3	196.4	195.9	196.4	199.3	204.6
155°	236.7	229.3	221.4	214.8	210.2	205.5	202.8	202.8	202.8	205.5	210.2
157.5°	237.2	230.9	224.0	219.2	215.1	211.1	208.8	208.9	208.8	211.1	215.1
160°	237.2	231.6	225.6	221.4	217.7	214.4	212.5	213.0	212.5	214.4	217.7
162.5°	236.8	232.4	227.1	223.6	220.6	217.8	215.9	216.4	215.9	217.8	220.6
165°	236.3	232.5	228.9	226.0	224.1	221.8	220.5	221.4	220.5	221.8	224.1
167.5°	235.1	232.5	229.4	227.7	226.4	225.1	224.3	224.7	224.3	225.1	226.4
170°	234.4	232.5	230.2	228.9	227.9	227.0	226.5	227.0	226.5	227.0	227.9
172.5°	233.7	232.2	230.2	229.6	229.0	228.0	227.6	228.4	227.6	228.0	229.0
175°	232.5	231.6	230.2	230.2	230.2	229.8	229.3	230.2	229.3	229.8	230.2
177.5°	231.4	231.1	230.3	230.3	230.6	230.3	230.3	231.1	230.3	230.3	230.6
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

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°	9.2	9.4	9.1	10.0	9.1	9.6	9.7	9.5	9.5	9.6	9.5
90°	3.8	4.6	5.1	6.0	6.5	7.4	7.9	8.4	8.8	9.3	10.2
92.5°	24.5	38.2	63.5	106.2	152.4	149.9	121.4	82.4	59.8	45.0	38.2
95°	34.9	55.8	105.6	207.9	336.2	412.1	403.2	334.4	263.7	206.5	167.5
97.5°	43.0	58.0	91.0	165.9	300.3	440.0	510.2	498.0	448.4	392.7	338.3
100°	49.3	63.3	90.3	150.7	267.9	420.0	536.2	572.0	549.3	501.3	453.0
102.5°	56.0	69.5	93.6	144.4	243.3	384.6	520.6	597.0	611.0	588.0	555.3
105°	66.9	80.0	100.4	141.9	219.5	337.2	470.7	582.3	646.0	666.4	661.3
107.5°	79.2	90.9	110.7	146.1	209.5	304.5	419.7	529.8	614.8	667.4	691.6
110°	87.0	99.1	118.1	150.2	206.5	289.3	390.7	491.1	579.5	645.1	684.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	95.1	106.9	125.2	155.4	206.5	280.4	369.1	460.6	544.5	610.8	657.5
115°	107.5	119.0	136.2	163.2	207.9	270.7	345.5	422.2	494.4	558.1	608.8
117.5°	120.1	131.3	147.7	172.2	210.9	266.0	331.5	397.5	459.7	514.5	561.1
120°	127.9	139.5	155.8	178.1	213.9	263.7	323.7	384.2	439.9	491.1	532.1
122.5°	135.7	147.3	163.6	184.8	216.5	261.9	317.0	374.1	425.8	471.4	509.7
125°	146.5	158.6	173.9	194.0	220.9	259.5	307.9	359.5	406.9	447.4	480.9
127.5°	157.0	169.1	183.8	202.3	225.8	258.4	299.5	344.6	388.9	426.6	458.0
130°	163.7	175.8	190.2	207.9	228.9	257.6	293.9	335.3	376.3	412.5	442.7
132.5°	169.7	181.7	196.2	212.7	232.2	257.6	289.4	326.0	364.4	397.3	426.4
135°	177.2	189.7	204.2	219.5	236.7	257.6	284.1	313.9	346.0	375.8	402.3
137.5°	183.8	196.7	209.9	224.5	240.9	258.2	279.4	303.7	329.6	354.4	376.9
140°	187.9	200.5	213.9	227.9	242.8	258.6	277.2	298.1	320.0	341.4	360.9
142.5°	192.0	203.8	216.5	229.8	243.9	258.9	275.3	293.3	311.8	330.2	347.2
145°	198.1	208.8	220.9	232.5	245.1	258.6	272.6	287.0	301.3	315.8	328.3
147.5°	203.7	213.1	223.7	234.2	245.6	257.4	269.6	281.0	292.7	303.8	313.2
150°	207.4	215.3	225.6	235.3	245.6	256.2	267.4	277.6	287.9	296.7	305.1
152.5°	210.8	217.9	227.4	236.0	245.2	254.8	264.8	273.9	283.1	291.1	297.7
155°	214.8	221.4	229.3	236.7	244.2	252.1	260.4	268.3	275.8	282.3	287.4
157.5°	219.2	224.0	230.9	237.2	243.0	249.2	256.3	262.8	268.9	273.9	277.9
160°	221.4	225.6	231.6	237.2	241.8	247.4	253.0	259.0	263.7	268.3	271.6
162.5°	223.6	227.1	232.4	236.8	240.8	245.2	250.1	254.9	259.3	263.1	266.0
165°	226.0	228.9	232.5	236.3	239.0	241.8	245.6	249.2	252.5	255.4	257.6
167.5°	227.7	229.4	232.5	235.1	236.4	238.6	241.2	243.9	246.1	248.2	249.8
170°	228.9	230.2	232.5	234.4	235.3	236.7	238.6	240.9	242.3	243.7	244.6
172.5°	229.6	230.2	232.2	233.7	233.8	234.5	235.9	237.6	239.0	239.9	240.5
175°	230.2	230.2	231.6	232.5	232.0	232.0	232.5	233.9	233.9	234.9	234.9
177.5°	230.3	230.3	231.1	231.4	230.6	230.6	231.1	231.4	231.8	231.8	231.8
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

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°	9.9	9.5	9.6	9.6	9.6	9.5	9.9	9.5	9.6	9.5	9.5
90°	10.2	10.2	10.7	10.7	10.7	10.2	10.2	10.2	9.3	8.8	8.4
92.5°	32.2	31.1	30.4	29.7	30.4	31.1	32.2	38.2	45.0	59.8	82.4
95°	134.4	120.4	116.8	109.3	116.8	120.4	134.4	167.5	206.5	263.7	334.4
97.5°	309.7	283.6	270.1	264.2	270.1	283.6	309.7	338.3	392.7	448.4	498.0
100°	420.9	387.4	370.2	362.7	370.2	387.4	420.9	453.0	501.3	549.3	572.0
102.5°	521.0	497.2	478.5	472.9	478.5	497.2	521.0	555.3	588.0	611.0	597.0
105°	646.5	631.1	621.8	616.2	621.8	631.1	646.5	661.3	666.4	646.0	582.3
107.5°	699.2	699.1	696.0	692.3	696.0	699.1	699.2	691.6	667.4	614.8	529.8
110°	705.5	714.4	717.6	717.6	717.6	714.4	705.5	684.6	645.1	579.5	491.1



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	688.0	703.2	711.3	714.6	711.3	703.2	688.0	657.5	610.8	544.5	460.6
115°	645.1	667.4	680.4	686.5	680.4	667.4	645.1	608.8	558.1	494.4	422.2
117.5°	597.4	620.4	633.3	637.1	633.3	620.4	597.4	561.1	514.5	459.7	397.5
120°	566.5	588.8	601.4	605.0	601.4	588.8	566.5	532.1	491.1	439.9	384.2
122.5°	540.4	560.8	573.4	576.7	573.4	560.8	540.4	509.7	471.4	425.8	374.1
125°	507.0	526.0	536.2	540.9	536.2	526.0	507.0	480.9	447.4	406.9	359.5
127.5°	481.6	498.5	508.1	510.2	508.1	498.5	481.6	458.0	426.6	388.9	344.6
130°	466.0	481.4	490.6	493.4	490.6	481.4	466.0	442.7	412.5	376.3	335.3
132.5°	449.6	465.0	473.5	476.7	473.5	465.0	449.6	426.4	397.3	364.4	326.0
135°	422.7	438.1	446.5	449.2	446.5	438.1	422.7	402.3	375.8	346.0	313.9
137.5°	395.2	409.2	416.9	420.0	416.9	409.2	395.2	376.9	354.4	329.6	303.7
140°	378.1	390.2	397.1	399.5	397.1	390.2	378.1	360.9	341.4	320.0	298.1
142.5°	361.7	371.9	378.5	380.5	378.5	371.9	361.7	347.2	330.2	311.8	293.3
145°	339.5	347.4	352.5	354.4	352.5	347.4	339.5	328.3	315.8	301.3	287.0
147.5°	322.1	328.4	331.4	332.2	331.4	328.4	322.1	313.2	303.8	292.7	281.0
150°	312.1	317.6	319.5	320.0	319.5	317.6	312.1	305.1	296.7	287.9	277.6
152.5°	303.5	307.9	309.8	310.3	309.8	307.9	303.5	297.7	291.1	283.1	273.9
155°	292.0	295.3	296.7	297.2	296.7	295.3	292.0	287.4	282.3	275.8	268.3
157.5°	281.5	284.2	285.5	285.4	285.5	284.2	281.5	277.9	273.9	268.9	262.8
160°	274.8	277.2	278.1	277.6	278.1	277.2	274.8	271.6	268.3	263.7	259.0
162.5°	268.6	270.5	270.7	270.6	270.7	270.5	268.6	266.0	263.1	259.3	254.9
165°	259.5	260.4	260.4	260.4	260.4	260.4	259.5	257.6	255.4	252.5	249.2
167.5°	250.8	251.6	251.2	251.1	251.2	251.6	250.8	249.8	248.2	246.1	243.9
170°	245.6	246.1	246.1	245.6	246.1	246.1	245.6	244.6	243.7	242.3	240.9
172.5°	240.8	241.6	240.8	240.4	240.8	241.6	240.8	240.5	239.9	239.0	237.6
175°	234.9	235.3	234.4	233.9	234.4	235.3	234.9	234.9	234.9	233.9	233.9
177.5°	231.4	231.8	230.6	230.6	230.6	231.8	231.4	231.8	231.8	231.8	231.4
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

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°	9.7	9.6	9.1	10.0	9.1	9.4	9.2	9.4	9.9	10.4	10.9
90°	7.9	7.4	6.5	6.0	5.1	4.6	3.8	2.8	1.9	0.9	0.5
92.5°	121.4	149.9	152.4	106.2	63.5	38.2	24.5	16.6	10.8	6.8	5.7
95°	403.2	412.1	336.2	207.9	105.6	55.8	34.9	24.6	19.6	15.8	15.3
97.5°	510.2	440.0	300.3	165.9	91.0	58.0	43.0	33.8	28.6	26.0	25.5
100°	536.2	420.0	267.9	150.7	90.3	63.3	49.3	40.4	35.4	33.5	32.5
102.5°	520.6	384.6	243.3	144.4	93.6	69.5	56.0	47.9	42.4	40.9	40.4
105°	470.7	337.2	219.5	141.9	100.4	80.0	66.9	59.5	54.9	52.6	52.6
107.5°	419.7	304.5	209.5	146.1	110.7	90.9	79.2	71.4	67.6	65.4	64.5
110°	390.7	289.3	206.5	150.2	118.1	99.1	87.0	80.0	75.8	73.9	73.1



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	369.1	280.4	206.5	155.4	125.2	106.9	95.1	88.2	84.0	82.5	81.6
115°	345.5	270.7	207.9	163.2	136.2	119.0	107.5	100.4	96.3	94.9	93.9
117.5°	331.5	266.0	210.9	172.2	147.7	131.3	120.1	112.2	108.0	106.5	105.1
120°	323.7	263.7	213.9	178.1	155.8	139.5	127.9	120.0	115.8	114.0	112.5
122.5°	317.0	261.9	216.5	184.8	163.6	147.3	135.7	127.0	122.9	121.4	120.3
125°	307.9	259.5	220.9	194.0	173.9	158.6	146.5	137.6	133.5	131.2	130.2
127.5°	299.5	258.4	225.8	202.3	183.8	169.1	157.0	147.7	142.4	139.3	137.9
130°	293.9	257.6	228.9	207.9	190.2	175.8	163.7	153.9	147.9	144.1	142.8
132.5°	289.4	257.6	232.2	212.7	196.2	181.7	169.7	159.6	152.7	148.3	146.5
135°	284.1	257.6	236.7	219.5	204.2	189.7	177.2	167.5	160.0	154.4	152.5
137.5°	279.4	258.2	240.9	224.5	209.9	196.7	183.8	174.2	166.8	161.6	160.2
140°	277.2	258.6	242.8	227.9	213.9	200.5	187.9	179.0	171.6	166.0	164.6
142.5°	275.3	258.9	243.9	229.8	216.5	203.8	192.0	183.5	176.1	170.9	169.8
145°	272.6	258.6	245.1	232.5	220.9	208.8	198.1	189.7	183.2	178.6	177.7
147.5°	269.6	257.4	245.6	234.2	223.7	213.1	203.7	196.4	190.4	186.4	185.8
150°	267.4	256.2	245.6	235.3	225.6	215.3	207.4	200.9	194.9	191.6	190.7
152.5°	264.8	254.8	245.2	236.0	227.4	217.9	210.8	204.6	199.3	196.4	195.9
155°	260.4	252.1	244.2	236.7	229.3	221.4	214.8	210.2	205.5	202.8	202.8
157.5°	256.3	249.2	243.0	237.2	230.9	224.0	219.2	215.1	211.1	208.8	208.9
160°	253.0	247.4	241.8	237.2	231.6	225.6	221.4	217.7	214.4	212.5	213.0
162.5°	250.1	245.2	240.8	236.8	232.4	227.1	223.6	220.6	217.8	215.9	216.4
165°	245.6	241.8	239.0	236.3	232.5	228.9	226.0	224.1	221.8	220.5	221.4
167.5°	241.2	238.6	236.4	235.1	232.5	229.4	227.7	226.4	225.1	224.3	224.7
170°	238.6	236.7	235.3	234.4	232.5	230.2	228.9	227.9	227.0	226.5	227.0
172.5°	235.9	234.5	233.8	233.7	232.2	230.2	229.6	229.0	228.0	227.6	228.4
175°	232.5	232.0	232.0	232.5	231.6	230.2	230.2	230.2	229.8	229.3	230.2
177.5°	231.1	230.6	230.6	231.4	231.1	230.3	230.3	230.6	230.3	230.3	231.1
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

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°	10.7	9.9	8.3	8.9	9.0	8.8	9.0	8.7	8.6	8.7	8.8
90°	0.9	1.9	2.8	3.8	4.6	5.1	6.0	6.5	7.4	7.9	8.4
92.5°	6.8	10.8	16.6	24.5	38.2	63.5	106.2	152.4	149.9	121.4	82.4
95°	15.8	19.6	24.6	34.9	55.8	105.6	207.9	336.2	412.1	403.2	334.4
97.5°	26.0	28.6	33.8	43.0	58.0	91.0	165.9	300.3	440.0	510.2	498.0
100°	33.5	35.4	40.4	49.3	63.3	90.3	150.7	267.9	420.0	536.2	572.0
102.5°	40.9	42.4	47.9	56.0	69.5	93.6	144.4	243.3	384.6	520.6	597.0
105°	52.6	54.9	59.5	66.9	80.0	100.4	141.9	219.5	337.2	470.7	582.3
107.5°	65.4	67.6	71.4	79.2	90.9	110.7	146.1	209.5	304.5	419.7	529.8
110°	73.9	75.8	80.0	87.0	99.1	118.1	150.2	206.5	289.3	390.7	491.1



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	82.5	84.0	88.2	95.1	106.9	125.2	155.4	206.5	280.4	369.1	460.6
115°	94.9	96.3	100.4	107.5	119.0	136.2	163.2	207.9	270.7	345.5	422.2
117.5°	106.5	108.0	112.2	120.1	131.3	147.7	172.2	210.9	266.0	331.5	397.5
120°	114.0	115.8	120.0	127.9	139.5	155.8	178.1	213.9	263.7	323.7	384.2
122.5°	121.4	122.9	127.0	135.7	147.3	163.6	184.8	216.5	261.9	317.0	374.1
125°	131.2	133.5	137.6	146.5	158.6	173.9	194.0	220.9	259.5	307.9	359.5
127.5°	139.3	142.4	147.7	157.0	169.1	183.8	202.3	225.8	258.4	299.5	344.6
130°	144.1	147.9	153.9	163.7	175.8	190.2	207.9	228.9	257.6	293.9	335.3
132.5°	148.3	152.7	159.6	169.7	181.7	196.2	212.7	232.2	257.6	289.4	326.0
135°	154.4	160.0	167.5	177.2	189.7	204.2	219.5	236.7	257.6	284.1	313.9
137.5°	161.6	166.8	174.2	183.8	196.7	209.9	224.5	240.9	258.2	279.4	303.7
140°	166.0	171.6	179.0	187.9	200.5	213.9	227.9	242.8	258.6	277.2	298.1
142.5°	170.9	176.1	183.5	192.0	203.8	216.5	229.8	243.9	258.9	275.3	293.3
145°	178.6	183.2	189.7	198.1	208.8	220.9	232.5	245.1	258.6	272.6	287.0
147.5°	186.4	190.4	196.4	203.7	213.1	223.7	234.2	245.6	257.4	269.6	281.0
150°	191.6	194.9	200.9	207.4	215.3	225.6	235.3	245.6	256.2	267.4	277.6
152.5°	196.4	199.3	204.6	210.8	217.9	227.4	236.0	245.2	254.8	264.8	273.9
155°	202.8	205.5	210.2	214.8	221.4	229.3	236.7	244.2	252.1	260.4	268.3
157.5°	208.8	211.1	215.1	219.2	224.0	230.9	237.2	243.0	249.2	256.3	262.8
160°	212.5	214.4	217.7	221.4	225.6	231.6	237.2	241.8	247.4	253.0	259.0
162.5°	215.9	217.8	220.6	223.6	227.1	232.4	236.8	240.8	245.2	250.1	254.9
165°	220.5	221.8	224.1	226.0	228.9	232.5	236.3	239.0	241.8	245.6	249.2
167.5°	224.3	225.1	226.4	227.7	229.4	232.5	235.1	236.4	238.6	241.2	243.9
170°	226.5	227.0	227.9	228.9	230.2	232.5	234.4	235.3	236.7	238.6	240.9
172.5°	227.6	228.0	229.0	229.6	230.2	232.2	233.7	233.8	234.5	235.9	237.6
175°	229.3	229.8	230.2	230.2	230.2	231.6	232.5	232.0	232.0	232.5	233.9
177.5°	230.3	230.3	230.6	230.3	230.3	231.1	231.4	230.6	230.6	231.1	231.4
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

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°	9.2	9.6	9.1	8.8	8.8	9.2	9.6
90°	8.8	9.3	10.2	10.2	10.2	10.7	10.7
92.5°	59.8	45.0	38.2	32.2	31.1	30.4	29.7
95°	263.7	206.5	167.5	134.4	120.4	116.8	109.3
97.5°	448.4	392.7	338.3	309.7	283.6	270.1	264.2
100°	549.3	501.3	453.0	420.9	387.4	370.2	362.7
102.5°	611.0	588.0	555.3	521.0	497.2	478.5	472.9
105°	646.0	666.4	661.3	646.5	631.1	621.8	616.2
107.5°	614.8	667.4	691.6	699.2	699.1	696.0	692.3
110°	579.5	645.1	684.6	705.5	714.4	717.6	717.6



TEST NUMBER: P333558-930

CATALOG NUMBER: S125RDIP-S850D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	544.5	610.8	657.5	688.0	703.2	711.3	714.6
115°	494.4	558.1	608.8	645.1	667.4	680.4	686.5
117.5°	459.7	514.5	561.1	597.4	620.4	633.3	637.1
120°	439.9	491.1	532.1	566.5	588.8	601.4	605.0
122.5°	425.8	471.4	509.7	540.4	560.8	573.4	576.7
125°	406.9	447.4	480.9	507.0	526.0	536.2	540.9
127.5°	388.9	426.6	458.0	481.6	498.5	508.1	510.2
130°	376.3	412.5	442.7	466.0	481.4	490.6	493.4
132.5°	364.4	397.3	426.4	449.6	465.0	473.5	476.7
135°	346.0	375.8	402.3	422.7	438.1	446.5	449.2
137.5°	329.6	354.4	376.9	395.2	409.2	416.9	420.0
140°	320.0	341.4	360.9	378.1	390.2	397.1	399.5
142.5°	311.8	330.2	347.2	361.7	371.9	378.5	380.5
145°	301.3	315.8	328.3	339.5	347.4	352.5	354.4
147.5°	292.7	303.8	313.2	322.1	328.4	331.4	332.2
150°	287.9	296.7	305.1	312.1	317.6	319.5	320.0
152.5°	283.1	291.1	297.7	303.5	307.9	309.8	310.3
155°	275.8	282.3	287.4	292.0	295.3	296.7	297.2
157.5°	268.9	273.9	277.9	281.5	284.2	285.5	285.4
160°	263.7	268.3	271.6	274.8	277.2	278.1	277.6
162.5°	259.3	263.1	266.0	268.6	270.5	270.7	270.6
165°	252.5	255.4	257.6	259.5	260.4	260.4	260.4
167.5°	246.1	248.2	249.8	250.8	251.6	251.2	251.1
170°	242.3	243.7	244.6	245.6	246.1	246.1	245.6
172.5°	239.0	239.9	240.5	240.8	241.6	240.8	240.4
175°	233.9	234.9	234.9	234.9	235.3	234.4	233.9
177.5°	231.8	231.8	231.8	231.4	231.8	230.6	230.6
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6

(END OF REPORT)