

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: P333552-930

Luminaire Tested: **S125RDIP-S850D365U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333552-930
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-S850D365U930-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3744.4 lumens
Efficiency: N/A
Efficacy: 107.0 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

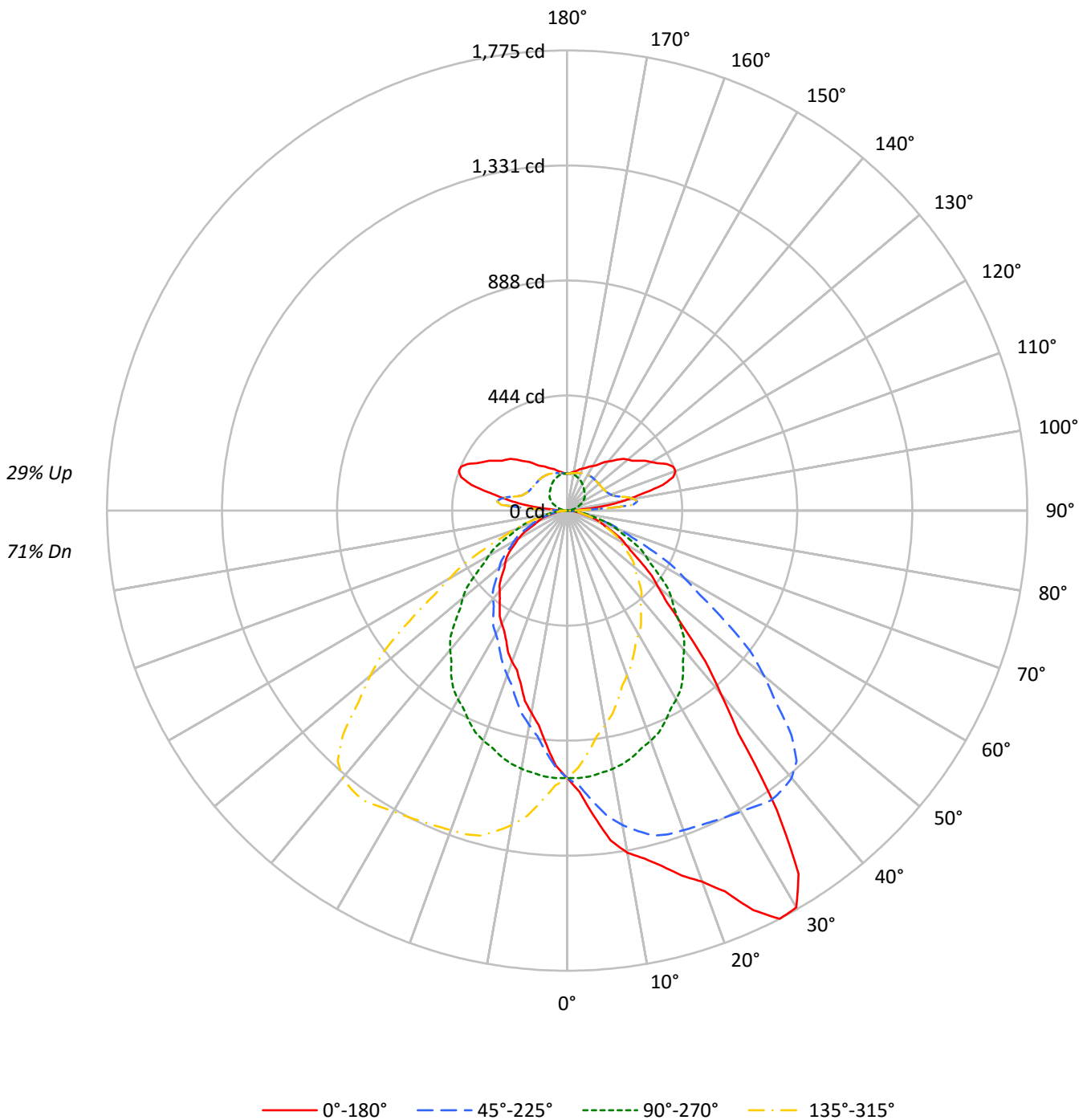
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	76	76	76	71	
1	103	99	95	92	98	94	91	88	85	82	80	76	74	72	68	67	65	65	65	65	61	
2	94	87	81	76	89	83	77	73	75	71	67	67	64	61	61	58	56	56	56	56	52	
3	87	77	70	64	82	73	67	62	66	61	57	60	56	52	54	51	48	48	48	48	45	
4	79	69	61	55	75	65	58	53	59	54	49	54	49	45	49	45	42	42	42	42	39	
5	73	61	53	47	69	59	51	46	53	47	43	49	44	40	44	40	37	37	37	37	34	
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	40	36	33	33	33	33	30	
7	63	50	42	36	59	48	41	35	44	38	33	40	35	31	37	32	29	29	29	29	27	
8	58	46	38	32	55	44	37	32	40	34	30	37	32	28	34	29	26	26	26	26	24	
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	31	27	24	24	24	24	22	
10	51	39	31	26	48	37	30	26	34	28	24	31	26	23	29	25	21	21	21	21	20	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6660	6660	6660	6660
5°	7662	6669	5890	6669
10°	8790	6635	5197	6635
15°	9494	6567	4619	6567
20°	10469	6488	4265	6488
25°	12115	6383	3958	6383
30°	13184	6272	3757	6272
35°	11121	6144	3572	6144
40°	7766	5914	3412	5914
45°	5761	5602	3255	5602
50°	4594	5279	3122	5279
55°	3899	4877	3003	4877
60°	3369	4517	2811	4517
65°	3001	4128	2419	4128
70°	2638	3780	2206	3780
75°	2283	3276	2071	3276
80°	1733	2756	1733	2756
85°	1445	2164	1630	2164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	2.6
10°-20°	289.8	7.7
20°-30°	459.5	12.3
30°-40°	554.1	14.8
40°-50°	494.9	13.2
50°-60°	379.5	10.1
60°-70°	246.6	6.6
70°-80°	119.9	3.2
80°-90°	29.4	0.8
90°-100°	103.6	2.8
100°-110°	222.7	5.9
110°-120°	209.0	5.6
120°-130°	169.4	4.5
130°-140°	135.9	3.6
140°-150°	102.6	2.7
150°-160°	72.2	1.9
160°-170°	42.6	1.1
170°-180°	13.8	0.4
0°-30°	848.2	22.7
0°-40°	1402.4	37.5
0°-60°	2276.7	60.8
0°-90°	2672.6	71.4
90°-120°	535.3	14.3
90°-150°	943.1	25.2
90°-180°	1072.0	28.6
0°-180°	3744.4	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°	7	0	7	0	7	6
95°	68	10	68	10	68	96
105°	382	32	382	32	382	380
115°	425	58	425	58	425	416
125°	335	81	335	81	335	303
135°	278	94	278	94	278	216
145°	220	110	220	110	220	140
155°	184	126	184	126	184	86
165°	161	137	161	137	161	46
175°	145	143	145	143	145	14
180°	143	143	143	143	143	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1084.8	1084.1	1085.5	1081.7	1082.1	1076.3	1076.3	1071.9	1066.2	1061.8	1059.7
5°	1181.9	1182.8	1181.1	1174.8	1170.5	1164.2	1157.0	1144.3	1133.7	1123.6	1115.5
7.5°	1282.1	1282.6	1277.1	1275.1	1264.4	1256.6	1240.6	1223.4	1208.0	1188.5	1173.7
10°	1340.3	1339.9	1334.0	1329.3	1320.0	1308.1	1292.5	1272.1	1253.1	1231.9	1211.6
12.5°	1374.2	1373.0	1371.2	1365.5	1356.9	1346.4	1333.1	1313.1	1289.6	1266.5	1242.8
15°	1419.9	1416.9	1411.4	1404.2	1392.0	1379.6	1364.9	1347.1	1324.6	1298.4	1276.4
17.5°	1476.4	1476.5	1468.1	1458.1	1441.4	1419.8	1396.9	1368.2	1337.7	1308.8	1285.3
20°	1523.2	1521.9	1513.4	1494.0	1475.0	1447.8	1421.6	1386.4	1349.2	1311.5	1282.3
22.5°	1590.2	1587.0	1578.2	1552.6	1523.1	1488.2	1448.0	1405.1	1360.0	1317.3	1279.0
25°	1700.1	1697.6	1680.3	1650.7	1609.2	1555.3	1502.8	1444.1	1379.2	1323.0	1276.4
27.5°	1775.3	1772.5	1759.7	1735.0	1696.8	1640.2	1569.1	1490.5	1409.7	1332.2	1265.0
30°	1767.9	1774.3	1772.5	1761.1	1732.3	1681.6	1615.9	1527.5	1431.3	1340.3	1260.3
32.5°	1661.5	1667.2	1682.1	1704.5	1706.3	1686.0	1636.9	1555.2	1455.7	1352.2	1256.5
35°	1410.5	1418.2	1447.0	1492.3	1551.5	1601.1	1611.3	1567.2	1477.9	1366.5	1251.0
37.5°	1084.4	1126.1	1150.3	1198.0	1287.5	1378.7	1466.3	1498.5	1460.5	1360.7	1241.9
40°	921.2	931.3	974.5	1028.3	1103.7	1198.5	1323.4	1413.6	1416.5	1347.1	1227.7
42.5°	788.4	801.3	831.0	873.8	938.4	1033.2	1162.1	1281.2	1336.3	1309.9	1209.1
45°	630.8	640.5	662.1	695.1	744.7	823.0	933.9	1071.5	1180.7	1223.4	1159.1
47.5°	518.2	523.4	542.3	567.4	604.1	661.1	747.0	866.4	997.4	1089.2	1080.2
50°	457.2	463.2	477.5	496.6	527.5	575.8	644.3	743.8	878.9	991.1	1013.5
52.5°	409.8	414.7	423.7	441.7	467.2	504.3	559.6	649.6	771.2	890.5	942.3
55°	346.3	349.7	356.9	367.0	387.3	414.0	461.9	524.1	622.3	742.6	818.7
57.5°	294.0	295.6	300.3	309.7	323.7	343.2	377.7	430.5	500.9	609.2	693.2
60°	260.8	262.4	268.4	274.8	285.8	303.5	330.6	367.5	435.2	524.5	609.6
62.5°	234.4	235.4	237.9	244.3	253.9	267.7	288.9	319.0	372.9	451.3	531.7
65°	196.4	196.9	197.7	202.8	208.7	218.9	232.8	254.0	294.6	353.9	425.0
67.5°	160.0	160.6	163.5	165.3	171.5	176.8	185.1	201.3	229.9	269.9	325.1
70°	139.7	139.3	142.3	144.4	146.5	152.8	158.3	171.5	189.2	219.7	265.9
72.5°	120.7	119.6	120.9	121.6	124.5	128.8	134.3	142.4	156.0	177.0	212.4
75°	91.5	91.9	91.9	92.7	94.8	96.5	98.2	102.5	110.1	124.0	143.1
77.5°	64.2	63.5	65.3	65.6	66.8	68.6	70.1	71.8	74.9	80.7	90.5
80°	46.6	46.6	47.0	48.3	47.9	48.7	50.8	52.5	56.3	59.7	63.1
82.5°	35.7	35.4	35.8	36.0	36.0	36.9	37.6	37.9	39.4	41.1	43.5
85°	19.5	19.5	19.9	19.9	20.3	20.3	20.7	20.7	20.7	21.2	21.6
87.5°	8.8	8.4	8.1	8.1	8.4	9.0	8.6	8.2	8.1	8.1	8.2
90°	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2	4.9	4.6	4.0
92.5°	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0	75.2	92.9	94.4
95°	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2	249.8	255.3	208.3
97.5°	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5	316.1	272.6	186.1
100°	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4	332.2	260.2	166.0
102.5°	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8	322.5	238.3	150.7
105°	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8	291.6	208.9	136.0
107.5°	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2	260.0	188.7	129.8
110°	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3	242.1	179.2	127.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4	228.7	173.7	127.9
115°	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6	214.1	167.7	128.8
117.5°	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3	205.4	164.8	130.7
120°	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0	200.6	163.4	132.6
122.5°	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8	196.4	162.2	134.1
125°	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7	190.8	160.8	136.9
127.5°	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5	185.6	160.1	139.9
130°	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7	182.1	159.6	141.8
132.5°	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9	179.4	159.6	143.8
135°	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5	176.0	159.6	146.7
137.5°	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2	173.1	160.0	149.3
140°	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7	171.7	160.2	150.4
142.5°	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7	170.6	160.5	151.1
145°	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8	168.8	160.2	151.8
147.5°	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1	167.1	159.5	152.1
150°	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0	165.7	158.7	152.1
152.5°	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7	164.0	157.8	151.9
155°	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2	161.3	156.2	151.2
157.5°	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8	158.8	154.4	150.5
160°	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5	156.8	153.3	149.9
162.5°	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9	154.9	151.9	149.1
165°	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4	152.1	149.9	148.1
167.5°	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1	149.4	147.8	146.5
170°	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3	147.8	146.7	145.8
172.5°	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2	146.2	145.3	144.9
175°	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0	144.1	143.8	143.8
177.5°	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4	143.2	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1059.7	1057.4	1053.0	1048.9	1043.8	1039.4	1036.3	1032.7	1027.8	1022.1	1017.4
5°	1106.6	1097.3	1085.0	1074.5	1060.9	1050.4	1039.3	1028.7	1018.1	1004.6	992.7
7.5°	1158.6	1139.4	1120.7	1097.1	1075.8	1056.7	1038.4	1019.9	1001.8	982.6	964.0
10°	1190.4	1167.2	1141.3	1111.7	1084.6	1058.7	1035.1	1011.8	987.2	965.6	942.3
12.5°	1220.3	1190.2	1160.7	1123.2	1090.7	1059.2	1029.0	1000.0	973.7	945.7	920.7
15°	1247.2	1217.6	1184.5	1138.8	1093.5	1055.4	1019.9	982.2	949.6	918.3	890.3
17.5°	1257.6	1226.5	1188.1	1144.2	1094.7	1046.8	1000.9	959.6	921.3	884.8	853.4
20°	1253.5	1223.4	1184.1	1142.2	1089.2	1039.3	989.8	944.0	901.3	862.7	829.3
22.5°	1243.7	1212.6	1174.6	1130.3	1080.1	1027.1	974.2	925.4	880.6	840.7	804.3
25°	1229.0	1186.7	1147.7	1104.5	1056.6	1004.2	949.6	895.8	848.0	807.3	767.5
27.5°	1213.7	1160.8	1111.3	1068.4	1017.8	970.9	918.4	863.2	812.9	771.5	730.7
30°	1199.8	1140.5	1085.9	1037.2	989.4	944.9	895.0	841.1	789.5	746.8	705.3
32.5°	1182.5	1119.5	1059.5	1003.3	957.2	913.1	867.9	816.4	766.1	722.0	679.9
35°	1160.8	1080.4	1015.2	955.4	904.2	861.5	820.8	779.3	729.0	683.3	642.2
37.5°	1132.4	1041.1	965.6	900.7	846.6	803.6	771.6	733.7	687.7	643.9	605.8
40°	1115.1	1012.6	930.1	865.8	809.0	763.7	733.7	701.5	659.6	618.5	580.4
42.5°	1092.1	986.6	894.2	827.1	770.1	726.4	696.0	668.0	632.8	594.1	553.3
45°	1046.9	936.0	839.1	767.1	709.6	666.8	638.4	613.4	586.8	551.2	515.6
47.5°	988.1	883.3	781.8	703.3	646.9	607.2	579.7	559.9	540.9	510.6	476.1
50°	941.1	839.9	740.9	664.6	604.5	566.9	541.0	525.4	508.0	480.5	451.7
52.5°	885.6	795.2	698.1	620.3	563.5	528.2	503.4	487.8	473.4	451.0	423.6
55°	798.0	718.8	629.9	559.2	507.2	471.6	447.9	433.1	424.6	405.5	384.0
57.5°	697.0	640.3	561.8	493.7	447.7	412.5	395.2	382.5	373.0	359.5	344.3
60°	626.6	586.8	516.5	451.7	409.4	375.9	360.3	349.7	340.8	329.4	317.5
62.5°	555.1	526.1	465.0	409.4	370.4	342.4	327.8	318.2	307.9	300.3	288.7
65°	459.3	433.5	391.2	347.6	311.6	289.1	278.6	270.1	263.7	255.3	247.2
67.5°	357.3	346.8	317.6	287.6	261.7	241.7	232.6	226.7	219.1	213.9	208.5
70°	294.6	289.6	268.8	248.9	224.8	211.2	202.8	200.2	190.9	185.9	182.1
72.5°	239.1	236.8	224.8	211.0	194.0	182.1	174.3	171.5	165.5	161.4	159.0
75°	163.8	164.7	162.6	153.7	147.3	139.7	132.9	131.3	127.0	123.6	121.5
77.5°	103.6	107.9	108.1	107.7	105.2	100.5	97.7	96.4	92.3	91.0	90.5
80°	71.1	75.7	80.0	79.6	78.8	77.5	75.3	74.1	72.0	70.7	69.9
82.5°	47.5	51.8	55.3	57.6	57.4	56.2	54.7	54.1	53.6	52.7	52.6
85°	22.4	23.3	24.5	27.6	29.6	30.1	29.6	29.2	28.0	28.4	28.8
87.5°	8.6	8.4	8.7	8.6	8.2	9.7	10.6	10.9	10.3	9.7	9.1
90°	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3	0.6	1.1	1.7
92.5°	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5	4.2	6.7	10.3
95°	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5	9.8	12.1	15.2
97.5°	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8	16.1	17.8	21.0
100°	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1	20.7	21.9	25.0
102.5°	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0	25.4	26.3	29.7
105°	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5	32.5	34.0	36.9
107.5°	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9	40.5	41.9	44.3
110°	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2	45.8	47.0	49.6



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5	51.1	52.0	54.6
115°	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2	58.8	59.7	62.2
117.5°	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1	66.0	66.9	69.5
120°	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7	70.6	71.7	74.4
122.5°	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6	75.2	76.1	78.8
125°	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7	81.3	82.7	85.3
127.5°	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4	86.3	88.1	91.5
130°	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5	89.4	91.6	95.4
132.5°	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7	91.9	94.7	98.8
135°	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5	95.6	99.1	103.7
137.5°	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2	100.1	103.3	107.9
140°	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0	102.9	106.3	111.0
142.5°	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3	105.8	109.1	113.7
145°	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1	110.6	113.5	117.6
147.5°	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1	115.4	118.0	121.7
150°	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1	118.7	120.7	124.5
152.5°	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4	121.7	123.5	126.8
155°	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6	125.6	127.3	130.2
157.5°	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5	129.4	130.8	133.2
160°	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0	131.7	132.8	134.9
162.5°	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0	133.8	134.9	136.7
165°	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1	136.6	137.5	138.8
167.5°	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3	138.9	139.5	140.2
170°	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6	140.3	140.6	141.2
172.5°	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5	141.0	141.3	141.9
175°	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6	142.0	142.4	142.6
177.5°	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2	142.7	142.7	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-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°	9.0	9.0	8.7	9.5	8.6	9.0	9.1	8.8	8.9	9.0	8.7
90°	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2	5.5	5.8	6.4
92.5°	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0	37.0	27.9	23.6
95°	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2	163.4	127.9	103.7
97.5°	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5	277.9	243.3	209.6
100°	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4	340.3	310.6	280.6
102.5°	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8	378.5	364.4	344.1
105°	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8	400.2	412.9	409.8
107.5°	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2	380.9	413.4	428.5
110°	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3	359.1	399.7	424.1



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4	337.4	378.5	407.3
115°	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6	306.3	345.8	377.2
117.5°	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3	284.8	318.8	347.6
120°	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0	272.6	304.3	329.6
122.5°	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8	263.8	292.0	315.8
125°	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7	252.1	277.2	297.9
127.5°	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5	240.9	264.3	283.7
130°	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7	233.1	255.6	274.3
132.5°	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9	225.8	246.1	264.2
135°	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5	214.3	232.8	249.2
137.5°	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2	204.2	219.6	233.5
140°	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7	198.2	211.5	223.6
142.5°	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7	193.1	204.6	215.1
145°	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8	186.7	195.7	203.4
147.5°	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1	181.3	188.3	194.1
150°	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0	178.4	183.8	189.0
152.5°	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7	175.4	180.3	184.4
155°	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2	170.9	174.9	178.1
157.5°	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8	166.6	169.7	172.2
160°	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5	163.4	166.2	168.3
162.5°	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9	160.6	163.1	164.9
165°	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4	156.5	158.2	159.6
167.5°	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1	152.5	153.8	154.8
170°	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3	150.1	151.0	151.6
172.5°	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2	148.1	148.7	149.0
175°	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0	145.0	145.5	145.5
177.5°	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4	143.6	143.6	143.6
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-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°	9.0	8.7	8.8	8.8	8.8	8.7	9.0	8.7	9.0	8.9	8.8
90°	6.4	6.4	6.6	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2
92.5°	20.0	19.2	18.8	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0
95°	83.2	74.6	72.3	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2
97.5°	191.8	175.7	167.4	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5
100°	260.7	240.0	229.3	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4
102.5°	322.8	308.0	296.4	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8
105°	400.5	391.0	385.2	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8
107.5°	433.2	433.2	431.2	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2
110°	437.1	442.5	444.6	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	426.2	435.7	440.7	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4
115°	399.7	413.4	421.5	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6
117.5°	370.1	384.4	392.4	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3
120°	351.0	364.8	372.6	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0
122.5°	334.8	347.5	355.3	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8
125°	314.1	325.9	332.2	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7
127.5°	298.4	308.8	314.8	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5
130°	288.7	298.2	304.0	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7
132.5°	278.6	288.0	293.3	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9
135°	262.0	271.4	276.6	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5
137.5°	244.8	253.5	258.3	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2
140°	234.2	241.7	246.1	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7
142.5°	224.1	230.5	234.6	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7
145°	210.3	215.2	218.4	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8
147.5°	199.6	203.5	205.3	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1
150°	193.3	196.8	198.0	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0
152.5°	188.0	190.8	191.9	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7
155°	180.9	183.0	183.8	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2
157.5°	174.5	176.1	176.9	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8
160°	170.3	171.7	172.3	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5
162.5°	166.4	167.5	167.7	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9
165°	160.8	161.3	161.3	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4
167.5°	155.4	155.9	155.6	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1
170°	152.1	152.5	152.5	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3
172.5°	149.1	149.7	149.2	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2
175°	145.5	145.8	145.2	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0
177.5°	143.4	143.6	142.9	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-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°	9.1	9.0	8.6	9.5	8.7	9.0	9.0	9.1	9.7	10.3	10.9
90°	4.9	4.6	4.0	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3
92.5°	75.2	92.9	94.4	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5
95°	249.8	255.3	208.3	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5
97.5°	316.1	272.6	186.1	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8
100°	332.2	260.2	166.0	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1
102.5°	322.5	238.3	150.7	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0
105°	291.6	208.9	136.0	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5
107.5°	260.0	188.7	129.8	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9
110°	242.1	179.2	127.9	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	228.7	173.7	127.9	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5
115°	214.1	167.7	128.8	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2
117.5°	205.4	164.8	130.7	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1
120°	200.6	163.4	132.6	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7
122.5°	196.4	162.2	134.1	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6
125°	190.8	160.8	136.9	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7
127.5°	185.6	160.1	139.9	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4
130°	182.1	159.6	141.8	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5
132.5°	179.4	159.6	143.8	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7
135°	176.0	159.6	146.7	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5
137.5°	173.1	160.0	149.3	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2
140°	171.7	160.2	150.4	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0
142.5°	170.6	160.5	151.1	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3
145°	168.8	160.2	151.8	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1
147.5°	167.1	159.5	152.1	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1
150°	165.7	158.7	152.1	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1
152.5°	164.0	157.8	151.9	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4
155°	161.3	156.2	151.2	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6
157.5°	158.8	154.4	150.5	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5
160°	156.8	153.3	149.9	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0
162.5°	154.9	151.9	149.1	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0
165°	152.1	149.9	148.1	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1
167.5°	149.4	147.8	146.5	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3
170°	147.8	146.7	145.8	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6
172.5°	146.2	145.3	144.9	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5
175°	144.1	143.8	143.8	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6
177.5°	143.2	142.9	142.9	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-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°	10.6	9.7	8.2	8.6	8.7	8.4	8.6	8.2	8.1	8.1	8.2
90°	0.6	1.1	1.7	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2
92.5°	4.2	6.7	10.3	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0
95°	9.8	12.1	15.2	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2
97.5°	16.1	17.8	21.0	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5
100°	20.7	21.9	25.0	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4
102.5°	25.4	26.3	29.7	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8
105°	32.5	34.0	36.9	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8
107.5°	40.5	41.9	44.3	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2
110°	45.8	47.0	49.6	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3



TEST NUMBER: P333552-930

CATALOG NUMBER: S125RDIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.0	54.6	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4
115°	58.8	59.7	62.2	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6
117.5°	66.0	66.9	69.5	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3
120°	70.6	71.7	74.4	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0
122.5°	75.2	76.1	78.8	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8
125°	81.3	82.7	85.3	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7
127.5°	86.3	88.1	91.5	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5
130°	89.4	91.6	95.4	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7
132.5°	91.9	94.7	98.8	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9
135°	95.6	99.1	103.7	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5
137.5°	100.1	103.3	107.9	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2
140°	102.9	106.3	111.0	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7
142.5°	105.8	109.1	113.7	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7
145°	110.6	113.5	117.6	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8
147.5°	115.4	118.0	121.7	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1
150°	118.7	120.7	124.5	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0
152.5°	121.7	123.5	126.8	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7
155°	125.6	127.3	130.2	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2
157.5°	129.4	130.8	133.2	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8
160°	131.7	132.8	134.9	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5
162.5°	133.8	134.9	136.7	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9
165°	136.6	137.5	138.8	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4
167.5°	138.9	139.5	140.2	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1
170°	140.3	140.6	141.2	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3
172.5°	141.0	141.3	141.9	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2
175°	142.0	142.4	142.6	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0
177.5°	142.7	142.7	142.9	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1076.3	1076.3	1082.1	1081.7	1085.5	1084.1	1084.8
5°	1157.0	1164.2	1170.5	1174.8	1181.1	1182.8	1181.9
7.5°	1240.6	1256.6	1264.4	1275.1	1277.1	1282.6	1282.1
10°	1292.5	1308.1	1320.0	1329.3	1334.0	1339.9	1340.3
12.5°	1333.1	1346.4	1356.9	1365.5	1371.2	1373.0	1374.2
15°	1364.9	1379.6	1392.0	1404.2	1411.4	1416.9	1419.9
17.5°	1396.9	1419.8	1441.4	1458.1	1468.1	1476.5	1476.4
20°	1421.6	1447.8	1475.0	1494.0	1513.4	1521.9	1523.2
22.5°	1448.0	1488.2	1523.1	1552.6	1578.2	1587.0	1590.2
25°	1502.8	1555.3	1609.2	1650.7	1680.3	1697.6	1700.1
27.5°	1569.1	1640.2	1696.8	1735.0	1759.7	1772.5	1775.3
30°	1615.9	1681.6	1732.3	1761.1	1772.5	1774.3	1767.9
32.5°	1636.9	1686.0	1706.3	1704.5	1682.1	1667.2	1661.5
35°	1611.3	1601.1	1551.5	1492.3	1447.0	1418.2	1410.5
37.5°	1466.3	1378.7	1287.5	1198.0	1150.3	1126.1	1084.4
40°	1323.4	1198.5	1103.7	1028.3	974.5	931.3	921.2
42.5°	1162.1	1033.2	938.4	873.8	831.0	801.3	788.4
45°	933.9	823.0	744.7	695.1	662.1	640.5	630.8
47.5°	747.0	661.1	604.1	567.4	542.3	523.4	518.2
50°	644.3	575.8	527.5	496.6	477.5	463.2	457.2
52.5°	559.6	504.3	467.2	441.7	423.7	414.7	409.8
55°	461.9	414.0	387.3	367.0	356.9	349.7	346.3
57.5°	377.7	343.2	323.7	309.7	300.3	295.6	294.0
60°	330.6	303.5	285.8	274.8	268.4	262.4	260.8
62.5°	288.9	267.7	253.9	244.3	237.9	235.4	234.4
65°	232.8	218.9	208.7	202.8	197.7	196.9	196.4
67.5°	185.1	176.8	171.5	165.3	163.5	160.6	160.0
70°	158.3	152.8	146.5	144.4	142.3	139.3	139.7
72.5°	134.3	128.8	124.5	121.6	120.9	119.6	120.7
75°	98.2	96.5	94.8	92.7	91.9	91.9	91.5
77.5°	70.1	68.6	66.8	65.6	65.3	63.5	64.2
80°	50.8	48.7	47.9	48.3	47.0	46.6	46.6
82.5°	37.6	36.9	36.0	36.0	35.8	35.4	35.7
85°	20.7	20.3	20.3	19.9	19.9	19.5	19.5
87.5°	8.6	9.0	8.4	8.1	8.1	8.4	8.8
90°	5.5	5.8	6.4	6.4	6.4	6.6	6.6
92.5°	37.0	27.9	23.6	20.0	19.2	18.8	18.3
95°	163.4	127.9	103.7	83.2	74.6	72.3	67.8
97.5°	277.9	243.3	209.6	191.8	175.7	167.4	163.6
100°	340.3	310.6	280.6	260.7	240.0	229.3	224.8
102.5°	378.5	364.4	344.1	322.8	308.0	296.4	293.0
105°	400.2	412.9	409.8	400.5	391.0	385.2	381.8
107.5°	380.9	413.4	428.5	433.2	433.2	431.2	428.9
110°	359.1	399.7	424.1	437.1	442.5	444.6	444.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	337.4	378.5	407.3	426.2	435.7	440.7	442.8
115°	306.3	345.8	377.2	399.7	413.4	421.5	425.3
117.5°	284.8	318.8	347.6	370.1	384.4	392.4	394.7
120°	272.6	304.3	329.6	351.0	364.8	372.6	374.9
122.5°	263.8	292.0	315.8	334.8	347.5	355.3	357.3
125°	252.1	277.2	297.9	314.1	325.9	332.2	335.1
127.5°	240.9	264.3	283.7	298.4	308.8	314.8	316.1
130°	233.1	255.6	274.3	288.7	298.2	304.0	305.7
132.5°	225.8	246.1	264.2	278.6	288.0	293.3	295.3
135°	214.3	232.8	249.2	262.0	271.4	276.6	278.3
137.5°	204.2	219.6	233.5	244.8	253.5	258.3	260.2
140°	198.2	211.5	223.6	234.2	241.7	246.1	247.5
142.5°	193.1	204.6	215.1	224.1	230.5	234.6	235.8
145°	186.7	195.7	203.4	210.3	215.2	218.4	219.6
147.5°	181.3	188.3	194.1	199.6	203.5	205.3	205.9
150°	178.4	183.8	189.0	193.3	196.8	198.0	198.2
152.5°	175.4	180.3	184.4	188.0	190.8	191.9	192.2
155°	170.9	174.9	178.1	180.9	183.0	183.8	184.1
157.5°	166.6	169.7	172.2	174.5	176.1	176.9	176.8
160°	163.4	166.2	168.3	170.3	171.7	172.3	172.0
162.5°	160.6	163.1	164.9	166.4	167.5	167.7	167.6
165°	156.5	158.2	159.6	160.8	161.3	161.3	161.3
167.5°	152.5	153.8	154.8	155.4	155.9	155.6	155.6
170°	150.1	151.0	151.6	152.1	152.5	152.5	152.1
172.5°	148.1	148.7	149.0	149.1	149.7	149.2	148.9
175°	145.0	145.5	145.5	145.5	145.8	145.2	145.0
177.5°	143.6	143.6	143.6	143.4	143.6	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9

(END OF REPORT)