

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: P333552-940

Luminaire Tested: **S125RDIP-S850D365U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333552-940
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-S850D365U940-4F0-1E-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: 4095.3 lumens
Efficiency: N/A
Efficacy: 117.0 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

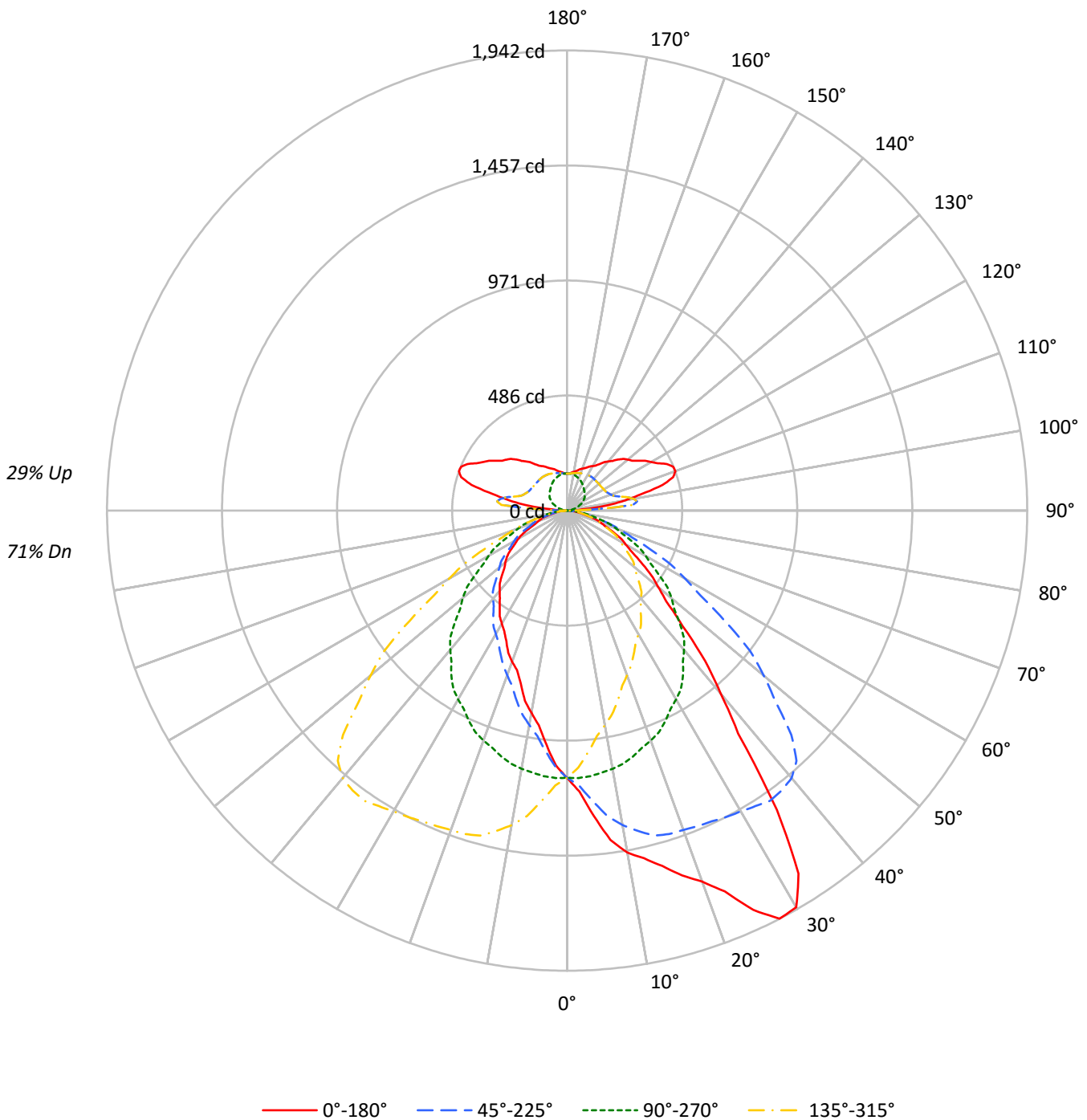
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7284	7284	7284	7284
5°	8381	7295	6442	7295
10°	9613	7257	5684	7257
15°	10384	7182	5052	7182
20°	11450	7096	4665	7096
25°	13251	6981	4329	6981
30°	14420	6861	4109	6861
35°	12163	6720	3906	6720
40°	8494	6468	3731	6468
45°	6301	6128	3561	6128
50°	5025	5773	3414	5773
55°	4264	5334	3284	5334
60°	3685	4941	3074	4941
65°	3283	4514	2647	4514
70°	2885	4135	2413	4135
75°	2495	3583	2266	3583
80°	1893	3016	1893	3016
85°	1578	2364	1786	2364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	2.6
10°-20°	317.0	7.7
20°-30°	502.6	12.3
30°-40°	606.1	14.8
40°-50°	541.2	13.2
50°-60°	415.1	10.1
60°-70°	269.7	6.6
70°-80°	131.1	3.2
80°-90°	32.2	0.8
90°-100°	113.3	2.8
100°-110°	243.6	5.9
110°-120°	228.6	5.6
120°-130°	185.2	4.5
130°-140°	148.7	3.6
140°-150°	112.2	2.7
150°-160°	79.0	1.9
160°-170°	46.5	1.1
170°-180°	15.1	0.4
0°-30°	927.7	22.7
0°-40°	1533.8	37.5
0°-60°	2490.1	60.8
0°-90°	2923.1	71.4
90°-120°	585.4	14.3
90°-150°	1031.5	25.2
90°-180°	1172.0	28.6
0°-180°	4095.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1128	1128	1128	1128	1128	
5°	1293	1125	994	1125	1293	129
15°	1553	1074	756	1074	1553	445
25°	1860	980	608	980	1860	854
35°	1543	852	495	852	1543	932
45°	690	671	390	671	690	550
55°	379	474	292	474	379	344
65°	215	295	173	295	215	214
75°	100	144	91	144	100	106
85°	21	32	24	32	21	25
90°	7	0	7	0	7	6
95°	74	10	74	10	74	105
105°	418	36	418	36	418	415
115°	465	64	465	64	465	454
125°	366	88	366	88	366	332
135°	304	103	304	103	304	236
145°	240	120	240	120	240	153
155°	201	137	201	137	201	94
165°	176	150	176	150	176	50
175°	158	156	158	156	158	15
180°	156	156	156	156	156	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1186.4	1185.7	1187.2	1183.1	1183.5	1177.1	1177.1	1172.3	1166.1	1161.3	1159.0
5°	1292.7	1293.7	1291.8	1284.9	1280.2	1273.3	1265.4	1251.5	1239.9	1228.9	1220.0
7.5°	1402.2	1402.8	1396.8	1394.6	1383.0	1374.4	1356.9	1338.0	1321.2	1299.9	1283.7
10°	1465.9	1465.4	1459.0	1453.8	1443.7	1430.7	1413.6	1391.3	1370.6	1347.4	1325.2
12.5°	1503.0	1501.7	1499.7	1493.5	1484.1	1472.6	1458.0	1436.2	1410.5	1385.2	1359.2
15°	1553.0	1549.7	1543.7	1535.8	1522.4	1509.0	1492.8	1473.4	1448.8	1420.0	1396.0
17.5°	1614.8	1614.9	1605.7	1594.7	1576.5	1552.8	1527.8	1496.4	1463.0	1431.5	1405.8
20°	1666.0	1664.6	1655.3	1634.0	1613.2	1583.5	1554.8	1516.4	1475.6	1434.4	1402.5
22.5°	1739.3	1735.7	1726.1	1698.1	1665.8	1627.6	1583.7	1536.8	1487.5	1440.7	1398.8
25°	1859.5	1856.7	1837.7	1805.4	1760.0	1701.1	1643.7	1579.4	1508.5	1447.0	1396.0
27.5°	1941.7	1938.7	1924.6	1897.6	1855.8	1793.9	1716.2	1630.2	1541.8	1457.1	1383.6
30°	1933.6	1940.5	1938.7	1926.2	1894.7	1839.2	1767.4	1670.6	1565.5	1465.9	1378.4
32.5°	1817.2	1823.5	1839.8	1864.3	1866.2	1844.0	1790.3	1700.9	1592.1	1478.9	1374.3
35°	1542.7	1551.1	1582.6	1632.2	1696.9	1751.1	1762.3	1714.1	1616.4	1494.6	1368.2
37.5°	1186.1	1231.6	1258.1	1310.3	1408.2	1507.9	1603.7	1639.0	1597.4	1488.2	1358.3
40°	1007.5	1018.6	1065.9	1124.7	1207.1	1310.8	1447.4	1546.0	1549.3	1473.4	1342.7
42.5°	862.3	876.4	908.8	955.7	1026.4	1130.1	1271.0	1401.2	1461.5	1432.6	1322.4
45°	689.9	700.5	724.2	760.3	814.5	900.1	1021.5	1171.9	1291.4	1338.1	1267.7
47.5°	566.8	572.5	593.1	620.5	660.7	723.1	817.0	947.6	1090.9	1191.3	1181.4
50°	500.1	506.6	522.3	543.1	576.9	629.7	704.7	813.5	961.3	1084.0	1108.5
52.5°	448.2	453.6	463.4	483.1	511.0	551.5	612.1	710.5	843.5	973.9	1030.6
55°	378.7	382.5	390.3	401.4	423.7	452.8	505.2	573.2	680.6	812.2	895.5
57.5°	321.6	323.3	328.4	338.7	354.0	375.3	413.1	470.8	547.9	666.3	758.2
60°	285.3	287.0	293.6	300.5	312.5	332.0	361.6	401.9	476.0	573.6	666.7
62.5°	256.4	257.4	260.2	267.2	277.7	292.7	316.0	348.9	407.9	493.7	581.6
65°	214.8	215.3	216.2	221.8	228.3	239.4	254.7	277.8	322.3	387.1	464.8
67.5°	175.0	175.7	178.9	180.8	187.6	193.4	202.4	220.2	251.5	295.2	355.6
70°	152.8	152.3	155.6	157.9	160.2	167.1	173.2	187.5	207.0	240.3	290.8
72.5°	132.1	130.8	132.2	133.0	136.2	140.9	146.9	155.7	170.7	193.6	232.3
75°	100.0	100.5	100.5	101.4	103.7	105.6	107.5	112.1	120.4	135.6	156.5
77.5°	70.2	69.5	71.4	71.7	73.0	75.1	76.7	78.6	81.9	88.3	99.0
80°	50.9	50.9	51.4	52.8	52.3	53.2	55.6	57.4	61.6	65.3	69.0
82.5°	39.1	38.7	39.1	39.4	39.3	40.3	41.1	41.5	43.1	44.9	47.5
85°	21.3	21.3	21.8	21.8	22.2	22.2	22.6	22.6	22.6	23.2	23.6
87.5°	9.6	9.2	8.8	8.8	9.2	9.8	9.4	8.9	8.8	8.8	9.0
90°	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7	5.4	5.1	4.4
92.5°	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8	82.2	101.6	103.3
95°	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6	273.2	279.2	227.8
97.5°	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4	345.7	298.2	203.5
100°	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6	363.4	284.5	181.6
102.5°	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5	352.8	260.6	164.9
105°	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6	319.0	228.5	148.7
107.5°	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0	284.4	206.3	142.0
110°	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8	264.7	196.0	139.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1	250.1	189.9	139.9
115°	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1	234.2	183.4	140.9
117.5°	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4	224.6	180.2	142.9
120°	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3	219.4	178.7	145.0
122.5°	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5	214.8	177.5	146.7
125°	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6	208.7	175.8	149.7
127.5°	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5	203.0	175.1	153.0
130°	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2	199.2	174.6	155.1
132.5°	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9	196.2	174.6	157.3
135°	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8	192.5	174.6	160.4
137.5°	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8	189.3	175.0	163.3
140°	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0	187.8	175.2	164.5
142.5°	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8	186.5	175.5	165.2
145°	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5	184.7	175.2	166.0
147.5°	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4	182.7	174.4	166.4
150°	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2	181.2	173.6	166.4
152.5°	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7	179.4	172.6	166.1
155°	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8	176.5	170.9	165.4
157.5°	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1	173.7	168.9	164.6
160°	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6	171.5	167.6	163.9
162.5°	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7	169.4	166.1	163.1
165°	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9	166.4	163.9	162.0
167.5°	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2	163.5	161.7	160.2
170°	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3	161.7	160.4	159.4
172.5°	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0	159.9	158.9	158.5
175°	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5	157.6	157.3	157.3
177.5°	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9	156.6	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1159.0	1156.5	1151.6	1147.2	1141.7	1136.8	1133.5	1129.4	1124.2	1117.9	1112.8
5°	1210.3	1200.2	1186.7	1175.2	1160.3	1148.8	1136.8	1125.2	1113.6	1098.8	1085.7
7.5°	1267.2	1246.2	1225.7	1200.0	1176.6	1155.7	1135.8	1115.5	1095.7	1074.7	1054.4
10°	1302.0	1276.6	1248.3	1215.8	1186.2	1158.0	1132.1	1106.6	1079.8	1056.1	1030.6
12.5°	1334.6	1301.7	1269.4	1228.5	1192.9	1158.4	1125.4	1093.7	1065.0	1034.3	1007.0
15°	1364.1	1331.7	1295.6	1245.5	1196.0	1154.3	1115.4	1074.2	1038.6	1004.3	973.7
17.5°	1375.5	1341.5	1299.5	1251.4	1197.3	1144.9	1094.8	1049.5	1007.6	967.7	933.4
20°	1371.0	1338.1	1295.0	1249.2	1191.3	1136.8	1082.5	1032.5	985.8	943.6	907.0
22.5°	1360.2	1326.2	1284.7	1236.3	1181.3	1123.4	1065.5	1012.2	963.1	919.5	879.7
25°	1344.2	1297.9	1255.3	1208.0	1155.7	1098.3	1038.6	979.7	927.5	883.0	839.5
27.5°	1327.4	1269.6	1215.4	1168.5	1113.2	1061.9	1004.4	944.1	889.1	843.8	799.2
30°	1312.2	1247.4	1187.7	1134.4	1082.1	1033.5	978.8	920.0	863.5	816.8	771.4
32.5°	1293.3	1224.4	1158.8	1097.3	1046.9	998.6	949.2	893.0	837.9	789.7	743.6
35°	1269.6	1181.6	1110.4	1045.0	989.0	942.3	897.8	852.4	797.3	747.3	702.4
37.5°	1238.5	1138.6	1056.1	985.1	926.0	879.0	843.9	802.5	752.2	704.3	662.5
40°	1219.6	1107.5	1017.3	946.9	884.8	835.3	802.5	767.2	721.4	676.5	634.8
42.5°	1194.4	1079.1	978.0	904.6	842.2	794.5	761.3	730.6	692.1	649.8	605.2
45°	1145.0	1023.8	917.7	839.0	776.1	729.2	698.2	670.9	641.8	602.9	563.9
47.5°	1080.8	966.1	855.1	769.2	707.5	664.1	634.0	612.4	591.6	558.5	520.7
50°	1029.3	918.6	810.3	726.9	661.2	620.0	591.7	574.6	555.6	525.5	494.0
52.5°	968.6	869.8	763.6	678.4	616.4	577.7	550.6	533.5	517.8	493.3	463.3
55°	872.8	786.2	688.9	611.6	554.7	515.8	489.9	473.7	464.4	443.5	420.0
57.5°	762.3	700.3	614.5	539.9	489.6	451.2	432.2	418.4	408.0	393.2	376.6
60°	685.3	641.8	564.9	494.0	447.7	411.2	394.0	382.5	372.7	360.3	347.2
62.5°	607.1	575.4	508.5	447.7	405.1	374.5	358.5	348.0	336.8	328.4	315.8
65°	502.4	474.1	427.8	380.1	340.8	316.2	304.7	295.4	288.5	279.2	270.4
67.5°	390.7	379.3	347.3	314.5	286.2	264.4	254.4	247.9	239.6	234.0	228.0
70°	322.3	316.7	294.0	272.2	245.8	231.0	221.8	219.0	208.8	203.3	199.1
72.5°	261.5	259.0	245.8	230.8	212.1	199.2	190.6	187.5	181.0	176.6	173.9
75°	179.1	180.1	177.8	168.1	161.1	152.8	145.3	143.6	138.9	135.2	132.9
77.5°	113.3	118.1	118.2	117.8	115.0	109.9	106.8	105.5	100.9	99.5	99.0
80°	77.8	82.8	87.5	87.0	86.1	84.7	82.4	81.1	78.7	77.3	76.4
82.5°	51.9	56.6	60.5	63.0	62.8	61.4	59.8	59.2	58.7	57.7	57.5
85°	24.5	25.5	26.8	30.1	32.4	32.9	32.4	31.9	30.6	31.0	31.5
87.5°	9.4	9.2	9.5	9.4	8.9	10.6	11.6	11.9	11.2	10.6	10.0
90°	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4	0.6	1.2	1.9
92.5°	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8	4.6	7.3	11.2
95°	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4	10.7	13.2	16.7
97.5°	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3	17.7	19.4	22.9
100°	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0	22.6	24.0	27.4
102.5°	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4	27.7	28.7	32.5
105°	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6	35.6	37.2	40.3
107.5°	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7	44.3	45.8	48.4
110°	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5	50.1	51.4	54.2



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3	55.9	56.9	59.7
115°	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7	64.3	65.3	68.0
117.5°	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2	72.1	73.2	76.0
120°	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2	77.2	78.5	81.3
122.5°	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6	82.2	83.3	86.1
125°	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3	88.9	90.4	93.3
127.5°	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5	94.4	96.4	100.0
130°	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8	97.7	100.2	104.3
132.5°	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2	100.5	103.5	108.1
135°	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3	104.6	108.4	113.4
137.5°	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5	109.5	113.0	118.1
140°	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6	112.5	116.3	121.4
142.5°	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1	115.7	119.3	124.4
145°	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4	121.0	124.1	128.6
147.5°	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9	126.3	129.0	133.1
150°	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2	129.8	132.1	136.2
152.5°	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8	133.1	135.1	138.7
155°	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4	137.4	139.3	142.4
157.5°	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6	141.5	143.0	145.7
160°	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4	144.0	145.3	147.5
162.5°	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6	146.3	147.6	149.5
165°	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0	149.4	150.3	151.9
167.5°	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3	151.9	152.6	153.4
170°	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8	153.5	153.8	154.4
172.5°	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8	154.3	154.5	155.2
175°	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0	155.3	155.7	156.0
177.5°	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6	156.0	156.0	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1109.0	1103.8	1100.1	1092.7	1087.5	1085.3	1081.3	1080.1	1084.2	1081.3	1080.8
5°	1076.0	1062.7	1052.0	1041.3	1029.7	1022.3	1011.2	1009.4	1006.6	1002.5	1001.5
7.5°	1036.5	1019.0	1005.3	987.7	972.4	960.1	946.2	939.7	936.0	930.7	923.5
10°	1009.9	989.0	970.4	952.9	933.9	918.6	904.7	894.1	887.2	880.7	877.9
12.5°	983.6	962.3	938.6	917.3	896.2	879.0	863.6	856.7	849.0	841.4	834.9
15°	942.7	914.4	888.5	864.0	846.0	827.4	812.6	802.5	790.9	787.6	775.1
17.5°	899.4	871.6	841.3	815.5	794.5	774.2	757.9	746.3	737.6	725.7	719.9
20°	872.4	839.5	809.9	786.2	763.0	739.0	722.3	712.6	704.3	694.6	689.9
22.5°	843.5	811.3	781.0	753.2	729.7	706.1	694.2	684.0	674.6	665.7	659.5
25°	801.0	768.7	736.6	707.9	683.4	666.3	652.4	640.8	635.7	627.0	620.5
27.5°	759.1	724.6	691.4	662.9	643.6	626.7	615.3	606.1	596.9	589.2	583.6
30°	732.0	696.9	660.8	638.0	617.7	601.5	589.0	580.1	573.2	566.2	562.1
32.5°	705.0	668.7	636.7	612.1	592.8	578.9	566.0	557.6	550.3	542.6	537.7
35°	661.6	624.6	598.7	574.6	555.6	542.7	533.9	521.8	515.8	510.2	505.2
37.5°	621.3	586.9	558.8	537.8	521.3	508.4	497.0	490.5	483.1	478.1	473.9
40°	591.7	560.3	534.8	512.6	500.5	486.2	475.5	467.2	461.6	455.1	450.5
42.5°	565.1	535.8	511.0	491.1	476.1	464.0	453.7	445.3	438.3	433.6	429.8
45°	527.4	498.2	474.1	455.6	441.8	430.2	419.5	415.4	406.1	400.6	398.7
47.5°	488.4	462.3	439.1	422.0	407.8	396.8	386.8	378.3	373.2	367.7	364.8
50°	462.1	437.1	415.4	398.7	384.8	372.7	363.5	357.9	351.0	345.9	342.1
52.5°	435.8	412.7	390.9	375.0	362.9	350.9	340.5	334.9	328.4	325.1	322.5
55°	398.2	373.6	355.2	339.4	326.9	315.8	306.0	300.5	296.3	293.1	292.1
57.5°	355.6	336.2	319.0	304.8	291.8	281.3	272.8	267.5	263.9	263.3	260.6
60°	327.8	310.2	294.4	279.2	268.0	258.3	250.9	245.0	241.2	240.8	239.9
62.5°	300.1	283.2	268.6	255.1	245.1	235.8	228.7	221.9	219.7	217.4	215.4
65°	258.9	243.5	231.5	220.9	210.2	202.3	195.4	191.2	186.1	183.3	178.3
67.5°	218.4	206.5	194.9	185.9	177.6	170.1	164.3	158.2	154.7	152.5	148.8
70°	191.7	182.4	170.9	161.1	154.6	148.6	144.0	137.1	134.7	132.9	131.0
72.5°	166.5	158.4	148.6	140.8	134.3	128.6	123.2	120.0	117.7	115.8	114.8
75°	131.0	123.1	114.9	109.2	104.7	100.0	97.2	94.9	94.0	93.5	91.7
77.5°	96.2	92.0	85.3	81.0	77.8	76.1	73.6	72.3	72.2	70.2	69.6
80°	73.7	71.3	65.7	63.9	61.6	59.7	58.3	56.0	53.7	52.8	51.4
82.5°	54.8	52.4	50.2	47.3	45.3	44.1	42.8	41.9	42.3	40.9	40.3
85°	29.2	26.8	25.9	25.5	24.5	25.5	25.0	24.5	24.1	23.6	24.1
87.5°	9.8	9.9	9.5	10.4	9.4	9.9	10.0	9.6	9.7	9.8	9.5
90°	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7	6.0	6.3	7.0
92.5°	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8	40.5	30.5	25.9
95°	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6	178.7	139.9	113.4
97.5°	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4	303.9	266.1	229.3
100°	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6	372.2	339.7	306.9
102.5°	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5	414.0	398.5	376.3
105°	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6	437.7	451.6	448.2
107.5°	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0	416.6	452.2	468.7
110°	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8	392.7	437.1	463.9



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1	369.0	413.9	445.5
115°	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1	335.0	378.2	412.5
117.5°	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4	311.5	348.7	380.2
120°	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3	298.1	332.8	360.5
122.5°	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5	288.6	319.4	345.4
125°	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6	275.7	303.2	325.8
127.5°	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5	263.5	289.1	310.3
130°	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2	254.9	279.6	300.1
132.5°	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9	246.9	269.2	288.9
135°	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8	234.4	254.7	272.6
137.5°	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8	223.4	240.1	255.4
140°	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0	216.8	231.3	244.5
142.5°	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8	211.2	223.7	235.2
145°	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5	204.2	214.0	222.5
147.5°	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4	198.3	205.9	212.3
150°	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2	195.1	201.1	206.7
152.5°	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7	191.8	197.2	201.7
155°	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8	186.9	191.3	194.7
157.5°	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1	182.2	185.7	188.3
160°	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6	178.7	181.8	184.0
162.5°	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7	175.7	178.3	180.3
165°	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9	171.1	173.0	174.6
167.5°	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2	166.7	168.2	169.3
170°	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3	164.2	165.1	165.8
172.5°	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0	161.9	162.6	163.0
175°	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5	158.5	159.2	159.2
177.5°	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9	157.0	157.0	157.0
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1080.5	1076.5	1075.3	1076.8	1075.3	1076.5	1080.5	1080.8	1081.3	1084.2	1080.1
5°	996.8	992.3	994.5	993.6	994.5	992.3	996.8	1001.5	1002.5	1006.6	1009.4
7.5°	923.4	917.6	911.5	913.5	911.5	917.6	923.4	923.5	930.7	936.0	939.7
10°	871.8	867.3	864.4	866.7	864.4	867.3	871.8	877.9	880.7	887.2	894.1
12.5°	828.5	825.7	823.3	822.3	823.3	825.7	828.5	834.9	841.4	849.0	856.7
15°	769.5	764.0	761.7	755.6	761.7	764.0	769.5	775.1	787.6	790.9	802.5
17.5°	715.2	713.4	707.3	704.7	707.3	713.4	715.2	719.9	725.7	737.6	746.3
20°	683.0	681.1	675.1	678.8	675.1	681.1	683.0	689.9	694.6	704.3	712.6
22.5°	656.3	652.2	650.2	649.2	650.2	652.2	656.3	659.5	665.7	674.6	684.0
25°	618.6	612.6	610.3	607.5	610.3	612.6	618.6	620.5	627.0	635.7	640.8
27.5°	581.0	577.7	574.7	574.0	574.7	577.7	581.0	583.6	589.2	596.9	606.1
30°	556.5	553.3	551.0	551.0	551.0	553.3	556.5	562.1	566.2	573.2	580.1
32.5°	534.7	532.2	529.9	529.5	529.9	532.2	534.7	537.7	542.6	550.3	557.6
35°	502.8	499.2	498.2	495.4	498.2	499.2	502.8	505.2	510.2	515.8	521.8
37.5°	469.8	466.7	466.6	466.4	466.6	466.7	469.8	473.9	478.1	483.1	490.5
40°	448.7	446.4	445.9	442.6	445.9	446.4	448.7	450.5	455.1	461.6	467.2
42.5°	426.1	424.9	423.3	421.9	423.3	424.9	426.1	429.8	433.6	438.3	445.3
45°	395.4	392.2	392.2	389.9	392.2	392.2	395.4	398.7	400.6	406.1	415.4
47.5°	363.7	361.2	361.5	359.1	361.5	361.2	363.7	364.8	367.7	373.2	378.3
50°	342.6	341.3	340.8	339.8	340.8	341.3	342.6	342.1	345.9	351.0	357.9
52.5°	321.6	320.8	322.6	320.6	322.6	320.8	321.6	322.5	325.1	328.4	334.9
55°	293.1	291.7	294.4	291.7	294.4	291.7	293.1	292.1	293.1	296.3	300.5
57.5°	260.4	259.1	261.6	260.2	261.6	259.1	260.4	260.6	263.3	263.9	267.5
60°	238.9	236.1	237.6	238.0	237.6	236.1	238.9	239.9	240.8	241.2	245.0
62.5°	213.4	211.7	212.7	210.6	212.7	211.7	213.4	215.4	217.4	219.7	221.9
65°	177.4	175.9	174.1	173.2	174.1	175.9	177.4	178.3	183.3	186.1	191.2
67.5°	149.0	145.7	145.6	146.3	145.6	145.7	149.0	148.8	152.5	154.7	158.2
70°	128.2	128.2	127.8	127.8	127.8	128.2	128.2	131.0	132.9	134.7	137.1
72.5°	113.8	113.4	112.6	112.3	112.6	113.4	113.8	114.8	115.8	117.7	120.0
75°	91.7	92.1	91.2	90.8	91.2	92.1	91.7	91.7	93.5	94.0	94.9
77.5°	67.7	65.7	66.8	65.7	66.8	65.7	67.7	69.6	70.2	72.2	72.3
80°	51.4	50.9	52.3	50.9	52.3	50.9	51.4	51.4	52.8	53.7	56.0
82.5°	40.7	40.2	40.8	39.9	40.8	40.2	40.7	40.3	40.9	42.3	41.9
85°	24.5	24.1	23.6	24.1	23.6	24.1	24.5	24.1	23.6	24.1	24.5
87.5°	9.9	9.5	9.6	9.6	9.6	9.5	9.9	9.5	9.8	9.7	9.6
90°	7.0	7.0	7.2	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7
92.5°	21.8	21.0	20.6	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8
95°	91.0	81.6	79.1	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6
97.5°	209.8	192.2	183.1	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4
100°	285.2	262.5	250.8	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6
102.5°	353.0	336.9	324.2	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5
105°	438.0	427.7	421.3	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6
107.5°	473.8	473.8	471.6	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0
110°	478.0	484.0	486.2	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	466.2	476.5	482.0	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1
115°	437.1	452.2	461.0	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1
117.5°	404.7	420.4	429.2	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4
120°	383.9	399.0	407.5	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3
122.5°	366.2	380.0	388.6	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5
125°	343.5	356.4	363.4	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6
127.5°	326.4	337.8	344.3	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5
130°	315.8	326.2	332.5	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2
132.5°	304.7	315.0	320.8	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9
135°	286.5	296.9	302.6	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8
137.5°	267.8	277.2	282.5	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8
140°	256.2	264.4	269.1	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0
142.5°	245.1	252.1	256.5	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8
145°	230.1	235.4	238.9	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5
147.5°	218.3	222.6	224.5	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4
150°	211.4	215.3	216.5	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2
152.5°	205.6	208.7	209.9	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7
155°	197.9	200.1	201.1	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8
157.5°	190.8	192.6	193.5	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1
160°	186.3	187.8	188.4	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6
162.5°	182.0	183.2	183.4	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7
165°	175.8	176.5	176.5	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9
167.5°	170.0	170.5	170.2	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2
170°	166.4	166.7	166.7	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3
172.5°	163.1	163.7	163.2	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0
175°	159.2	159.4	158.8	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5
177.5°	156.9	157.0	156.3	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1081.3	1085.3	1087.5	1092.7	1100.1	1103.8	1109.0	1112.8	1117.9	1124.2	1129.4
5°	1011.2	1022.3	1029.7	1041.3	1052.0	1062.7	1076.0	1085.7	1098.8	1113.6	1125.2
7.5°	946.2	960.1	972.4	987.7	1005.3	1019.0	1036.5	1054.4	1074.7	1095.7	1115.5
10°	904.7	918.6	933.9	952.9	970.4	989.0	1009.9	1030.6	1056.1	1079.8	1106.6
12.5°	863.6	879.0	896.2	917.3	938.6	962.3	983.6	1007.0	1034.3	1065.0	1093.7
15°	812.6	827.4	846.0	864.0	888.5	914.4	942.7	973.7	1004.3	1038.6	1074.2
17.5°	757.9	774.2	794.5	815.5	841.3	871.6	899.4	933.4	967.7	1007.6	1049.5
20°	722.3	739.0	763.0	786.2	809.9	839.5	872.4	907.0	943.6	985.8	1032.5
22.5°	694.2	706.1	729.7	753.2	781.0	811.3	843.5	879.7	919.5	963.1	1012.2
25°	652.4	666.3	683.4	707.9	736.6	768.7	801.0	839.5	883.0	927.5	979.7
27.5°	615.3	626.7	643.6	662.9	691.4	724.6	759.1	799.2	843.8	889.1	944.1
30°	589.0	601.5	617.7	638.0	660.8	696.9	732.0	771.4	816.8	863.5	920.0
32.5°	566.0	578.9	592.8	612.1	636.7	668.7	705.0	743.6	789.7	837.9	893.0
35°	533.9	542.7	555.6	574.6	598.7	624.6	661.6	702.4	747.3	797.3	852.4
37.5°	497.0	508.4	521.3	537.8	558.8	586.9	621.3	662.5	704.3	752.2	802.5
40°	475.5	486.2	500.5	512.6	534.8	560.3	591.7	634.8	676.5	721.4	767.2
42.5°	453.7	464.0	476.1	491.1	511.0	535.8	565.1	605.2	649.8	692.1	730.6
45°	419.5	430.2	441.8	455.6	474.1	498.2	527.4	563.9	602.9	641.8	670.9
47.5°	386.8	396.8	407.8	422.0	439.1	462.3	488.4	520.7	558.5	591.6	612.4
50°	363.5	372.7	384.8	398.7	415.4	437.1	462.1	494.0	525.5	555.6	574.6
52.5°	340.5	350.9	362.9	375.0	390.9	412.7	435.8	463.3	493.3	517.8	533.5
55°	306.0	315.8	326.9	339.4	355.2	373.6	398.2	420.0	443.5	464.4	473.7
57.5°	272.8	281.3	291.8	304.8	319.0	336.2	355.6	376.6	393.2	408.0	418.4
60°	250.9	258.3	268.0	279.2	294.4	310.2	327.8	347.2	360.3	372.7	382.5
62.5°	228.7	235.8	245.1	255.1	268.6	283.2	300.1	315.8	328.4	336.8	348.0
65°	195.4	202.3	210.2	220.9	231.5	243.5	258.9	270.4	279.2	288.5	295.4
67.5°	164.3	170.1	177.6	185.9	194.9	206.5	218.4	228.0	234.0	239.6	247.9
70°	144.0	148.6	154.6	161.1	170.9	182.4	191.7	199.1	203.3	208.8	219.0
72.5°	123.2	128.6	134.3	140.8	148.6	158.4	166.5	173.9	176.6	181.0	187.5
75°	97.2	100.0	104.7	109.2	114.9	123.1	131.0	132.9	135.2	138.9	143.6
77.5°	73.6	76.1	77.8	81.0	85.3	92.0	96.2	99.0	99.5	100.9	105.5
80°	58.3	59.7	61.6	63.9	65.7	71.3	73.7	76.4	77.3	78.7	81.1
82.5°	42.8	44.1	45.3	47.3	50.2	52.4	54.8	57.5	57.7	58.7	59.2
85°	25.0	25.5	24.5	25.5	25.9	26.8	29.2	31.5	31.0	30.6	31.9
87.5°	10.0	9.9	9.4	10.4	9.5	9.9	9.8	10.0	10.6	11.2	11.9
90°	5.4	5.1	4.4	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4
92.5°	82.2	101.6	103.3	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8
95°	273.2	279.2	227.8	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4
97.5°	345.7	298.2	203.5	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3
100°	363.4	284.5	181.6	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0
102.5°	352.8	260.6	164.9	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4
105°	319.0	228.5	148.7	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6
107.5°	284.4	206.3	142.0	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7
110°	264.7	196.0	139.9	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	250.1	189.9	139.9	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3
115°	234.2	183.4	140.9	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7
117.5°	224.6	180.2	142.9	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2
120°	219.4	178.7	145.0	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2
122.5°	214.8	177.5	146.7	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6
125°	208.7	175.8	149.7	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3
127.5°	203.0	175.1	153.0	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5
130°	199.2	174.6	155.1	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8
132.5°	196.2	174.6	157.3	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2
135°	192.5	174.6	160.4	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3
137.5°	189.3	175.0	163.3	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5
140°	187.8	175.2	164.5	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6
142.5°	186.5	175.5	165.2	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1
145°	184.7	175.2	166.0	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4
147.5°	182.7	174.4	166.4	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9
150°	181.2	173.6	166.4	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2
152.5°	179.4	172.6	166.1	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8
155°	176.5	170.9	165.4	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4
157.5°	173.7	168.9	164.6	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6
160°	171.5	167.6	163.9	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4
162.5°	169.4	166.1	163.1	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6
165°	166.4	163.9	162.0	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0
167.5°	163.5	161.7	160.2	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3
170°	161.7	160.4	159.4	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8
172.5°	159.9	158.9	158.5	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8
175°	157.6	157.3	157.3	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0
177.5°	156.6	156.3	156.3	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333552-940

CATALOG NUMBER: S125RDIP-S850D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1133.5	1136.8	1141.7	1147.2	1151.6	1156.5	1159.0	1159.0	1161.3	1166.1	1172.3
5°	1136.8	1148.8	1160.3	1175.2	1186.7	1200.2	1210.3	1220.0	1228.9	1239.9	1251.5
7.5°	1135.8	1155.7	1176.6	1200.0	1225.7	1246.2	1267.2	1283.7	1299.9	1321.2	1338.0
10°	1132.1	1158.0	1186.2	1215.8	1248.3	1276.6	1302.0	1325.2	1347.4	1370.6	1391.3
12.5°	1125.4	1158.4	1192.9	1228.5	1269.4	1301.7	1334.6	1359.2	1385.2	1410.5	1436.2
15°	1115.4	1154.3	1196.0	1245.5	1295.6	1331.7	1364.1	1396.0	1420.0	1448.8	1473.4
17.5°	1094.8	1144.9	1197.3	1251.4	1299.5	1341.5	1375.5	1405.8	1431.5	1463.0	1496.4
20°	1082.5	1136.8	1191.3	1249.2	1295.0	1338.1	1371.0	1402.5	1434.4	1475.6	1516.4
22.5°	1065.5	1123.4	1181.3	1236.3	1284.7	1326.2	1360.2	1398.8	1440.7	1487.5	1536.8
25°	1038.6	1098.3	1155.7	1208.0	1255.3	1297.9	1344.2	1396.0	1447.0	1508.5	1579.4
27.5°	1004.4	1061.9	1113.2	1168.5	1215.4	1269.6	1327.4	1383.6	1457.1	1541.8	1630.2
30°	978.8	1033.5	1082.1	1134.4	1187.7	1247.4	1312.2	1378.4	1465.9	1565.5	1670.6
32.5°	949.2	998.6	1046.9	1097.3	1158.8	1224.4	1293.3	1374.3	1478.9	1592.1	1700.9
35°	897.8	942.3	989.0	1045.0	1110.4	1181.6	1269.6	1368.2	1494.6	1616.4	1714.1
37.5°	843.9	879.0	926.0	985.1	1056.1	1138.6	1238.5	1358.3	1488.2	1597.4	1639.0
40°	802.5	835.3	884.8	946.9	1017.3	1107.5	1219.6	1342.7	1473.4	1549.3	1546.0
42.5°	761.3	794.5	842.2	904.6	978.0	1079.1	1194.4	1322.4	1432.6	1461.5	1401.2
45°	698.2	729.2	776.1	839.0	917.7	1023.8	1145.0	1267.7	1338.1	1291.4	1171.9
47.5°	634.0	664.1	707.5	769.2	855.1	966.1	1080.8	1181.4	1191.3	1090.9	947.6
50°	591.7	620.0	661.2	726.9	810.3	918.6	1029.3	1108.5	1084.0	961.3	813.5
52.5°	550.6	577.7	616.4	678.4	763.6	869.8	968.6	1030.6	973.9	843.5	710.5
55°	489.9	515.8	554.7	611.6	688.9	786.2	872.8	895.5	812.2	680.6	573.2
57.5°	432.2	451.2	489.6	539.9	614.5	700.3	762.3	758.2	666.3	547.9	470.8
60°	394.0	411.2	447.7	494.0	564.9	641.8	685.3	666.7	573.6	476.0	401.9
62.5°	358.5	374.5	405.1	447.7	508.5	575.4	607.1	581.6	493.7	407.9	348.9
65°	304.7	316.2	340.8	380.1	427.8	474.1	502.4	464.8	387.1	322.3	277.8
67.5°	254.4	264.4	286.2	314.5	347.3	379.3	390.7	355.6	295.2	251.5	220.2
70°	221.8	231.0	245.8	272.2	294.0	316.7	322.3	290.8	240.3	207.0	187.5
72.5°	190.6	199.2	212.1	230.8	245.8	259.0	261.5	232.3	193.6	170.7	155.7
75°	145.3	152.8	161.1	168.1	177.8	180.1	179.1	156.5	135.6	120.4	112.1
77.5°	106.8	109.9	115.0	117.8	118.2	118.1	113.3	99.0	88.3	81.9	78.6
80°	82.4	84.7	86.1	87.0	87.5	82.8	77.8	69.0	65.3	61.6	57.4
82.5°	59.8	61.4	62.8	63.0	60.5	56.6	51.9	47.5	44.9	43.1	41.5
85°	32.4	32.9	32.4	30.1	26.8	25.5	24.5	23.6	23.2	22.6	22.6
87.5°	11.6	10.6	8.9	9.4	9.5	9.2	9.4	9.0	8.8	8.8	8.9
90°	0.6	1.2	1.9	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7
92.5°	4.6	7.3	11.2	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8
95°	10.7	13.2	16.7	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6
97.5°	17.7	19.4	22.9	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4
100°	22.6	24.0	27.4	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6
102.5°	27.7	28.7	32.5	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5
105°	35.6	37.2	40.3	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6
107.5°	44.3	45.8	48.4	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0
110°	50.1	51.4	54.2	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.9	56.9	59.7	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1
115°	64.3	65.3	68.0	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1
117.5°	72.1	73.2	76.0	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4
120°	77.2	78.5	81.3	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3
122.5°	82.2	83.3	86.1	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5
125°	88.9	90.4	93.3	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6
127.5°	94.4	96.4	100.0	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5
130°	97.7	100.2	104.3	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2
132.5°	100.5	103.5	108.1	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9
135°	104.6	108.4	113.4	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8
137.5°	109.5	113.0	118.1	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8
140°	112.5	116.3	121.4	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0
142.5°	115.7	119.3	124.4	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8
145°	121.0	124.1	128.6	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5
147.5°	126.3	129.0	133.1	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4
150°	129.8	132.1	136.2	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2
152.5°	133.1	135.1	138.7	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7
155°	137.4	139.3	142.4	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8
157.5°	141.5	143.0	145.7	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1
160°	144.0	145.3	147.5	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6
162.5°	146.3	147.6	149.5	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7
165°	149.4	150.3	151.9	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9
167.5°	151.9	152.6	153.4	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2
170°	153.5	153.8	154.4	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3
172.5°	154.3	154.5	155.2	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0
175°	155.3	155.7	156.0	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5
177.5°	156.0	156.0	156.3	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1177.1	1177.1	1183.5	1183.1	1187.2	1185.7	1186.4
5°	1265.4	1273.3	1280.2	1284.9	1291.8	1293.7	1292.7
7.5°	1356.9	1374.4	1383.0	1394.6	1396.8	1402.8	1402.2
10°	1413.6	1430.7	1443.7	1453.8	1459.0	1465.4	1465.9
12.5°	1458.0	1472.6	1484.1	1493.5	1499.7	1501.7	1503.0
15°	1492.8	1509.0	1522.4	1535.8	1543.7	1549.7	1553.0
17.5°	1527.8	1552.8	1576.5	1594.7	1605.7	1614.9	1614.8
20°	1554.8	1583.5	1613.2	1634.0	1655.3	1664.6	1666.0
22.5°	1583.7	1627.6	1665.8	1698.1	1726.1	1735.7	1739.3
25°	1643.7	1701.1	1760.0	1805.4	1837.7	1856.7	1859.5
27.5°	1716.2	1793.9	1855.8	1897.6	1924.6	1938.7	1941.7
30°	1767.4	1839.2	1894.7	1926.2	1938.7	1940.5	1933.6
32.5°	1790.3	1844.0	1866.2	1864.3	1839.8	1823.5	1817.2
35°	1762.3	1751.1	1696.9	1632.2	1582.6	1551.1	1542.7
37.5°	1603.7	1507.9	1408.2	1310.3	1258.1	1231.6	1186.1
40°	1447.4	1310.8	1207.1	1124.7	1065.9	1018.6	1007.5
42.5°	1271.0	1130.1	1026.4	955.7	908.8	876.4	862.3
45°	1021.5	900.1	814.5	760.3	724.2	700.5	689.9
47.5°	817.0	723.1	660.7	620.5	593.1	572.5	566.8
50°	704.7	629.7	576.9	543.1	522.3	506.6	500.1
52.5°	612.1	551.5	511.0	483.1	463.4	453.6	448.2
55°	505.2	452.8	423.7	401.4	390.3	382.5	378.7
57.5°	413.1	375.3	354.0	338.7	328.4	323.3	321.6
60°	361.6	332.0	312.5	300.5	293.6	287.0	285.3
62.5°	316.0	292.7	277.7	267.2	260.2	257.4	256.4
65°	254.7	239.4	228.3	221.8	216.2	215.3	214.8
67.5°	202.4	193.4	187.6	180.8	178.9	175.7	175.0
70°	173.2	167.1	160.2	157.9	155.6	152.3	152.8
72.5°	146.9	140.9	136.2	133.0	132.2	130.8	132.1
75°	107.5	105.6	103.7	101.4	100.5	100.5	100.0
77.5°	76.7	75.1	73.0	71.7	71.4	69.5	70.2
80°	55.6	53.2	52.3	52.8	51.4	50.9	50.9
82.5°	41.1	40.3	39.3	39.4	39.1	38.7	39.1
85°	22.6	22.2	22.2	21.8	21.8	21.3	21.3
87.5°	9.4	9.8	9.2	8.8	8.8	9.2	9.6
90°	6.0	6.3	7.0	7.0	7.0	7.2	7.2
92.5°	40.5	30.5	25.9	21.8	21.0	20.6	20.1
95°	178.7	139.9	113.4	91.0	81.6	79.1	74.1
97.5°	303.9	266.1	229.3	209.8	192.2	183.1	179.0
100°	372.2	339.7	306.9	285.2	262.5	250.8	245.8
102.5°	414.0	398.5	376.3	353.0	336.9	324.2	320.5
105°	437.7	451.6	448.2	438.0	427.7	421.3	417.6
107.5°	416.6	452.2	468.7	473.8	473.8	471.6	469.1
110°	392.7	437.1	463.9	478.0	484.0	486.2	486.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.0	413.9	445.5	466.2	476.5	482.0	484.3
115°	335.0	378.2	412.5	437.1	452.2	461.0	465.1
117.5°	311.5	348.7	380.2	404.7	420.4	429.2	431.7
120°	298.1	332.8	360.5	383.9	399.0	407.5	410.0
122.5°	288.6	319.4	345.4	366.2	380.0	388.6	390.8
125°	275.7	303.2	325.8	343.5	356.4	363.4	366.5
127.5°	263.5	289.1	310.3	326.4	337.8	344.3	345.7
130°	254.9	279.6	300.1	315.8	326.2	332.5	334.4
132.5°	246.9	269.2	288.9	304.7	315.0	320.8	323.0
135°	234.4	254.7	272.6	286.5	296.9	302.6	304.4
137.5°	223.4	240.1	255.4	267.8	277.2	282.5	284.5
140°	216.8	231.3	244.5	256.2	264.4	269.1	270.7
142.5°	211.2	223.7	235.2	245.1	252.1	256.5	257.9
145°	204.2	214.0	222.5	230.1	235.4	238.9	240.1
147.5°	198.3	205.9	212.3	218.3	222.6	224.5	225.2
150°	195.1	201.1	206.7	211.4	215.3	216.5	216.8
152.5°	191.8	197.2	201.7	205.6	208.7	209.9	210.3
155°	186.9	191.3	194.7	197.9	200.1	201.1	201.3
157.5°	182.2	185.7	188.3	190.8	192.6	193.5	193.4
160°	178.7	181.8	184.0	186.3	187.8	188.4	188.2
162.5°	175.7	178.3	180.3	182.0	183.2	183.4	183.3
165°	171.1	173.0	174.6	175.8	176.5	176.5	176.5
167.5°	166.7	168.2	169.3	170.0	170.5	170.2	170.1
170°	164.2	165.1	165.8	166.4	166.7	166.7	166.4
172.5°	161.9	162.6	163.0	163.1	163.7	163.2	162.8
175°	158.5	159.2	159.2	159.2	159.4	158.8	158.5
177.5°	157.0	157.0	157.0	156.9	157.0	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3

(END OF REPORT)