

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: P333564-940

Luminaire Tested: **S125RDIP-S850D810U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333564-940
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-S850D810U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5517.6 lumens
Efficiency: N/A
Efficacy: 120.2 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: General Diffuse

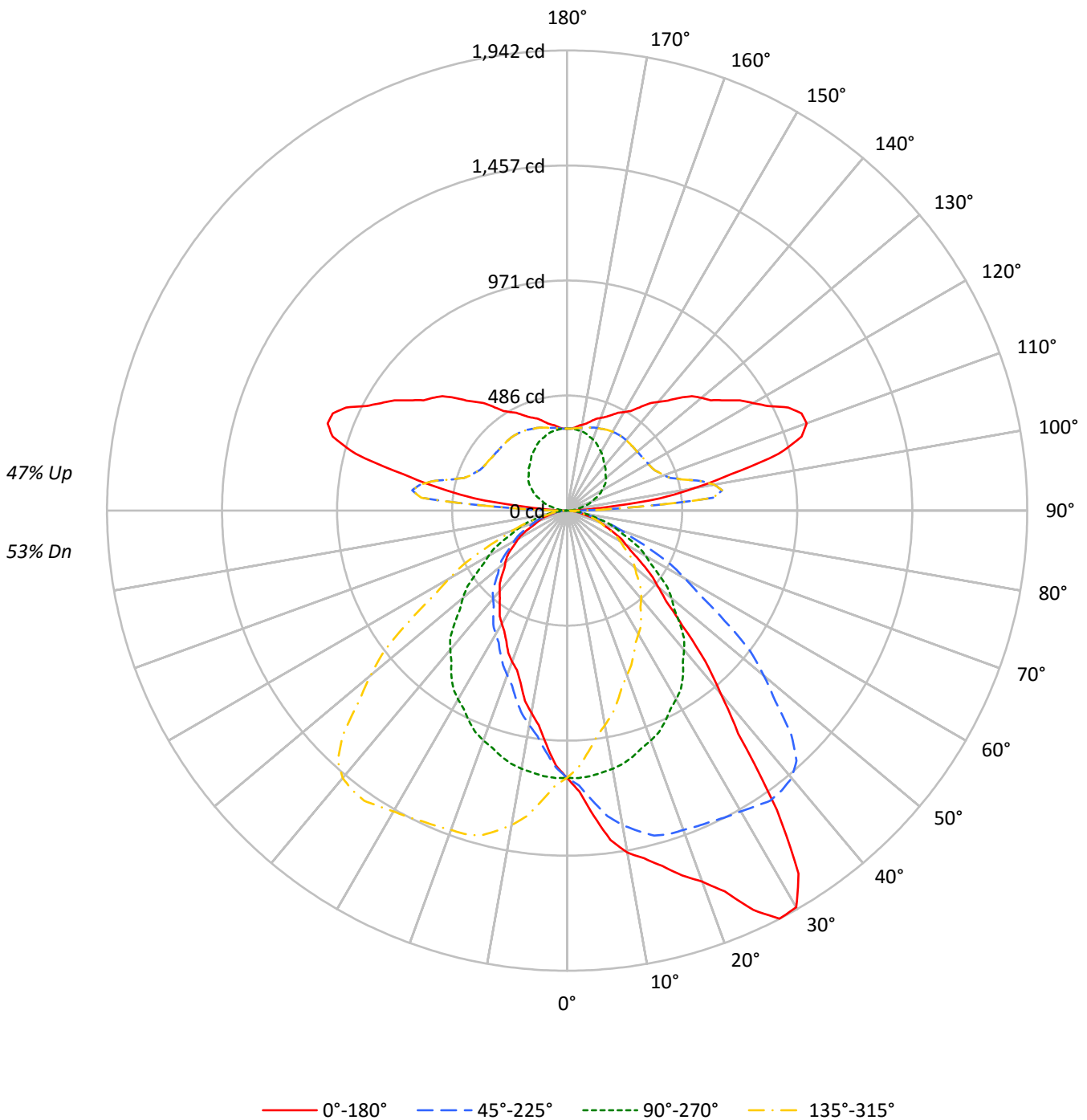
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	60	53	52	51	46
2	90	83	77	72	84	77	72	68	66	63	59	56	54	51	47	45	43	39
3	83	73	66	61	76	68	62	57	59	54	50	50	47	44	42	39	37	33
4	76	65	58	52	70	61	54	49	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	42	37	40	36	33	34	31	28	25
6	64	52	44	39	59	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	47	40	34	55	44	37	32	39	33	29	33	29	26	28	25	22	20
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	26	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	22	19	17	15

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



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	2.0
10°-20°	317.0	5.7
20°-30°	502.6	9.1
30°-40°	606.1	11.0
40°-50°	541.2	9.8
50°-60°	415.1	7.5
60°-70°	269.7	4.9
70°-80°	131.1	2.4
80°-90°	33.2	0.6
90°-100°	250.7	4.5
100°-110°	538.9	9.8
110°-120°	505.7	9.2
120°-130°	409.8	7.4
130°-140°	328.9	6.0
140°-150°	248.2	4.5
150°-160°	174.7	3.2
160°-170°	103.0	1.9
170°-180°	33.5	0.6
0°-30°	927.7	16.8
0°-40°	1533.8	27.8
0°-60°	2490.1	45.1
0°-90°	2924.2	53.0
90°-120°	1295.2	23.5
90°-150°	2282.2	41.4
90°-180°	2593.0	47.0
0°-180°	5517.6	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°	16	1	16	1	16	12
95°	164	23	164	23	164	232
105°	924	79	924	79	924	918
115°	1029	141	1029	141	1029	1005
125°	811	195	811	195	811	734
135°	674	229	674	229	674	522
145°	531	266	531	266	531	338
155°	446	304	446	304	446	208
165°	390	332	390	332	390	112
175°	351	345	351	345	351	34
180°	346	346	346	346	346	



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

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°	11.3	11.0	10.4	10.4	10.9	11.3	10.8	10.3	10.2	10.0	10.1
90°	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6	11.9	11.1	9.7
92.5°	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6	182.0	224.8	228.4
95°	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3	604.5	617.8	504.1
97.5°	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6	764.8	659.7	450.1
100°	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6	803.9	629.6	401.6
102.5°	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9	780.5	576.6	364.8
105°	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9	705.6	505.5	329.1
107.5°	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2	629.2	456.6	314.1
110°	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3	585.7	433.6	309.6



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5	553.3	420.3	309.6
115°	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1	518.0	405.8	311.7
117.5°	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0	497.0	398.7	316.3
120°	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9	485.3	395.3	320.7
122.5°	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9	475.2	392.5	324.6
125°	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0	461.5	389.1	331.2
127.5°	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7	449.0	387.4	338.6
130°	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7	440.7	386.3	343.0
132.5°	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7	434.0	386.3	348.0
135°	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6	426.0	386.3	354.9
137.5°	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3	418.9	387.1	361.1
140°	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9	415.5	387.6	363.9
142.5°	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7	412.8	388.3	365.6
145°	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2	408.6	387.6	367.5
147.5°	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2	404.2	385.8	368.1
150°	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3	400.9	384.1	368.1
152.5°	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6	397.0	381.9	367.6
155°	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3	390.5	377.9	366.0
157.5°	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0	384.3	373.7	364.3
160°	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3	379.3	371.0	362.6
162.5°	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2	374.8	367.6	360.9
165°	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7	368.1	362.6	358.4
167.5°	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6	361.6	357.7	354.5
170°	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1	357.7	354.9	352.8
172.5°	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1	353.7	351.5	350.5
175°	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7	348.6	347.9	347.9
177.5°	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0	346.3	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

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°	10.3	10.1	10.3	10.0	9.4	11.0	11.8	11.9	11.4	11.0	10.4
90°	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7	1.4	2.8	4.2
92.5°	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5	10.3	16.1	24.8
95°	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0	23.7	29.2	36.9
97.5°	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2	39.1	43.0	50.6
100°	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8	50.2	53.0	60.6
102.5°	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5	61.3	63.6	71.8
105°	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8	78.8	82.3	89.3
107.5°	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7	98.0	101.4	107.1
110°	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5	110.8	113.6	119.9



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3	123.7	125.9	132.2
115°	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8	142.2	144.4	150.6
117.5°	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6	159.7	161.9	168.2
120°	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7	170.9	173.6	179.9
122.5°	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5	182.0	184.2	190.5
125°	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2	196.6	200.1	206.3
127.5°	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8	208.9	213.4	221.3
130°	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0	216.2	221.7	230.8
132.5°	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6	222.3	229.0	239.2
135°	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7	231.5	239.9	251.0
137.5°	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1	242.2	250.0	261.2
140°	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8	248.9	257.3	268.4
142.5°	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6	256.2	263.9	275.1
145°	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4	267.7	274.7	284.5
147.5°	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6	279.5	285.4	294.5
150°	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9	287.2	292.1	301.2
152.5°	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6	294.5	298.8	306.7
155°	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0	304.0	308.2	315.1
157.5°	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2	313.1	316.4	322.4
160°	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3	318.6	321.5	326.3
162.5°	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3	323.7	326.5	330.7
165°	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9	330.5	332.6	336.1
167.5°	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9	336.2	337.4	339.4
170°	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3	339.6	340.3	341.6
172.5°	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5	341.3	341.9	343.3
175°	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1	343.8	344.5	345.1
177.5°	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3	345.3	345.3	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-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°	10.3	10.6	10.4	11.4	10.4	11.1	11.2	11.1	11.1	11.3	11.2
90°	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6	13.3	13.9	15.3
92.5°	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6	89.7	67.5	57.2
95°	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3	395.3	309.6	251.0
97.5°	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6	672.3	588.7	507.3
100°	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6	823.4	751.6	679.1
102.5°	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9	916.1	881.5	832.5
105°	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9	968.5	999.2	991.5
107.5°	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2	921.8	1000.5	1036.9
110°	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3	868.7	967.1	1026.3



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5	816.3	915.7	985.6
115°	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1	741.2	836.7	912.7
117.5°	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0	689.1	771.4	841.2
120°	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9	659.6	736.3	797.6
122.5°	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9	638.4	706.7	764.2
125°	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0	610.1	670.7	720.9
127.5°	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7	583.0	639.6	686.6
130°	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7	564.1	618.4	663.8
132.5°	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7	546.2	595.6	639.2
135°	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6	518.7	563.4	603.1
137.5°	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3	494.2	531.3	565.0
140°	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9	479.7	511.8	541.0
142.5°	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7	467.4	495.0	520.4
145°	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2	451.8	473.4	492.2
147.5°	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2	438.8	455.4	469.7
150°	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3	431.6	444.8	457.4
152.5°	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6	424.4	436.5	446.2
155°	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3	413.5	423.2	430.9
157.5°	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0	403.1	410.6	416.7
160°	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3	395.3	402.3	407.2
162.5°	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2	388.6	394.5	398.8
165°	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7	378.6	382.8	386.3
167.5°	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6	368.8	372.0	374.5
170°	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1	363.3	365.3	366.8
172.5°	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1	358.2	359.8	360.6
175°	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7	350.7	352.1	352.1
177.5°	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0	347.5	347.5	347.5
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-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°	11.6	11.2	11.3	11.3	11.3	11.2	11.6	11.2	11.3	11.1	11.1
90°	15.3	15.3	16.1	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6
92.5°	48.2	46.5	45.6	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6
95°	201.5	180.6	175.0	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3
97.5°	464.2	425.2	404.9	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6
100°	631.0	580.8	555.0	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6
102.5°	781.0	745.3	717.3	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9
105°	969.1	946.1	932.2	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9
107.5°	1048.2	1048.0	1043.5	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2
110°	1057.7	1070.9	1075.8	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1031.4	1054.2	1066.3	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5
115°	967.1	1000.5	1020.0	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1
117.5°	895.5	930.1	949.5	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0
120°	849.2	882.7	901.5	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9
122.5°	810.2	840.9	859.7	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9
125°	760.0	788.5	803.9	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0
127.5°	722.0	747.3	761.8	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7
130°	698.7	721.7	735.6	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7
132.5°	674.0	697.1	709.9	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7
135°	633.7	656.7	669.3	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6
137.5°	592.5	613.4	625.0	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3
140°	566.9	585.0	595.4	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9
142.5°	542.3	557.7	567.6	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7
145°	509.0	520.8	528.5	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2
147.5°	482.9	492.4	496.9	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2
150°	467.9	476.2	479.0	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3
152.5°	455.0	461.7	464.5	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6
155°	437.8	442.7	444.8	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3
157.5°	422.1	426.1	428.1	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0
160°	412.1	415.5	417.0	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3
162.5°	402.6	405.5	405.8	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2
165°	389.1	390.5	390.5	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7
167.5°	375.9	377.2	376.7	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6
170°	368.1	368.8	368.8	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1
172.5°	360.9	362.1	361.1	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1
175°	352.1	352.8	351.4	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7
177.5°	347.0	347.5	345.8	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-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°	11.2	11.1	10.4	11.4	10.4	10.6	10.3	10.4	11.0	11.4	11.9
90°	11.9	11.1	9.7	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7
92.5°	182.0	224.8	228.4	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5
95°	604.5	617.8	504.1	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0
97.5°	764.8	659.7	450.1	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2
100°	803.9	629.6	401.6	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8
102.5°	780.5	576.6	364.8	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5
105°	705.6	505.5	329.1	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8
107.5°	629.2	456.6	314.1	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7
110°	585.7	433.6	309.6	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	553.3	420.3	309.6	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3
115°	518.0	405.8	311.7	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8
117.5°	497.0	398.7	316.3	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6
120°	485.3	395.3	320.7	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7
122.5°	475.2	392.5	324.6	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5
125°	461.5	389.1	331.2	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2
127.5°	449.0	387.4	338.6	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8
130°	440.7	386.3	343.0	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0
132.5°	434.0	386.3	348.0	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6
135°	426.0	386.3	354.9	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7
137.5°	418.9	387.1	361.1	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1
140°	415.5	387.6	363.9	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8
142.5°	412.8	388.3	365.6	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6
145°	408.6	387.6	367.5	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4
147.5°	404.2	385.8	368.1	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6
150°	400.9	384.1	368.1	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9
152.5°	397.0	381.9	367.6	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6
155°	390.5	377.9	366.0	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0
157.5°	384.3	373.7	364.3	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2
160°	379.3	371.0	362.6	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3
162.5°	374.8	367.6	360.9	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3
165°	368.1	362.6	358.4	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9
167.5°	361.6	357.7	354.5	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9
170°	357.7	354.9	352.8	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3
172.5°	353.7	351.5	350.5	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5
175°	348.6	347.9	347.9	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1
177.5°	346.3	345.8	345.8	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-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°	11.8	11.0	9.4	10.0	10.3	10.1	10.3	10.1	10.0	10.2	10.3
90°	1.4	2.8	4.2	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6
92.5°	10.3	16.1	24.8	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6
95°	23.7	29.2	36.9	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3
97.5°	39.1	43.0	50.6	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6
100°	50.2	53.0	60.6	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6
102.5°	61.3	63.6	71.8	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9
105°	78.8	82.3	89.3	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9
107.5°	98.0	101.4	107.1	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2
110°	110.8	113.6	119.9	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.7	125.9	132.2	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5
115°	142.2	144.4	150.6	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1
117.5°	159.7	161.9	168.2	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0
120°	170.9	173.6	179.9	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9
122.5°	182.0	184.2	190.5	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9
125°	196.6	200.1	206.3	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0
127.5°	208.9	213.4	221.3	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7
130°	216.2	221.7	230.8	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7
132.5°	222.3	229.0	239.2	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7
135°	231.5	239.9	251.0	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6
137.5°	242.2	250.0	261.2	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3
140°	248.9	257.3	268.4	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9
142.5°	256.2	263.9	275.1	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7
145°	267.7	274.7	284.5	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2
147.5°	279.5	285.4	294.5	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2
150°	287.2	292.1	301.2	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3
152.5°	294.5	298.8	306.7	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6
155°	304.0	308.2	315.1	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3
157.5°	313.1	316.4	322.4	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0
160°	318.6	321.5	326.3	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3
162.5°	323.7	326.5	330.7	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2
165°	330.5	332.6	336.1	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7
167.5°	336.2	337.4	339.4	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6
170°	339.6	340.3	341.6	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1
172.5°	341.3	341.9	343.3	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1
175°	343.8	344.5	345.1	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7
177.5°	345.3	345.3	345.8	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

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°	10.8	11.3	10.9	10.4	10.4	11.0	11.3
90°	13.3	13.9	15.3	15.3	15.3	16.1	16.1
92.5°	89.7	67.5	57.2	48.2	46.5	45.6	44.5
95°	395.3	309.6	251.0	201.5	180.6	175.0	163.8
97.5°	672.3	588.7	507.3	464.2	425.2	404.9	396.0
100°	823.4	751.6	679.1	631.0	580.8	555.0	543.9
102.5°	916.1	881.5	832.5	781.0	745.3	717.3	708.9
105°	968.5	999.2	991.5	969.1	946.1	932.2	923.8
107.5°	921.8	1000.5	1036.9	1048.2	1048.0	1043.5	1037.9
110°	868.7	967.1	1026.3	1057.7	1070.9	1075.8	1075.8



TEST NUMBER: P333564-940

CATALOG NUMBER: S125RDIP-S850D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	816.3	915.7	985.6	1031.4	1054.2	1066.3	1071.4
115°	741.2	836.7	912.7	967.1	1000.5	1020.0	1029.1
117.5°	689.1	771.4	841.2	895.5	930.1	949.5	955.0
120°	659.6	736.3	797.6	849.2	882.7	901.5	907.0
122.5°	638.4	706.7	764.2	810.2	840.9	859.7	864.7
125°	610.1	670.7	720.9	760.0	788.5	803.9	810.8
127.5°	583.0	639.6	686.6	722.0	747.3	761.8	764.8
130°	564.1	618.4	663.8	698.7	721.7	735.6	739.8
132.5°	546.2	595.6	639.2	674.0	697.1	709.9	714.6
135°	518.7	563.4	603.1	633.7	656.7	669.3	673.5
137.5°	494.2	531.3	565.0	592.5	613.4	625.0	629.6
140°	479.7	511.8	541.0	566.9	585.0	595.4	598.9
142.5°	467.4	495.0	520.4	542.3	557.7	567.6	570.4
145°	451.8	473.4	492.2	509.0	520.8	528.5	531.3
147.5°	438.8	455.4	469.7	482.9	492.4	496.9	498.1
150°	431.6	444.8	457.4	467.9	476.2	479.0	479.7
152.5°	424.4	436.5	446.2	455.0	461.7	464.5	465.2
155°	413.5	423.2	430.9	437.8	442.7	444.8	445.5
157.5°	403.1	410.6	416.7	422.1	426.1	428.1	427.9
160°	395.3	402.3	407.2	412.1	415.5	417.0	416.3
162.5°	388.6	394.5	398.8	402.6	405.5	405.8	405.6
165°	378.6	382.8	386.3	389.1	390.5	390.5	390.5
167.5°	368.8	372.0	374.5	375.9	377.2	376.7	376.5
170°	363.3	365.3	366.8	368.1	368.8	368.8	368.1
172.5°	358.2	359.8	360.6	360.9	362.1	361.1	360.3
175°	350.7	352.1	352.1	352.1	352.8	351.4	350.7
177.5°	347.5	347.5	347.5	347.0	347.5	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8

(END OF REPORT)