

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: P333564-830

Luminaire Tested: **S125RDIP-S850D810U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333564-830
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-S850D810U830-4F0-1E-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: 5832.1 lumens
Efficiency: N/A
Efficacy: 127.1 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

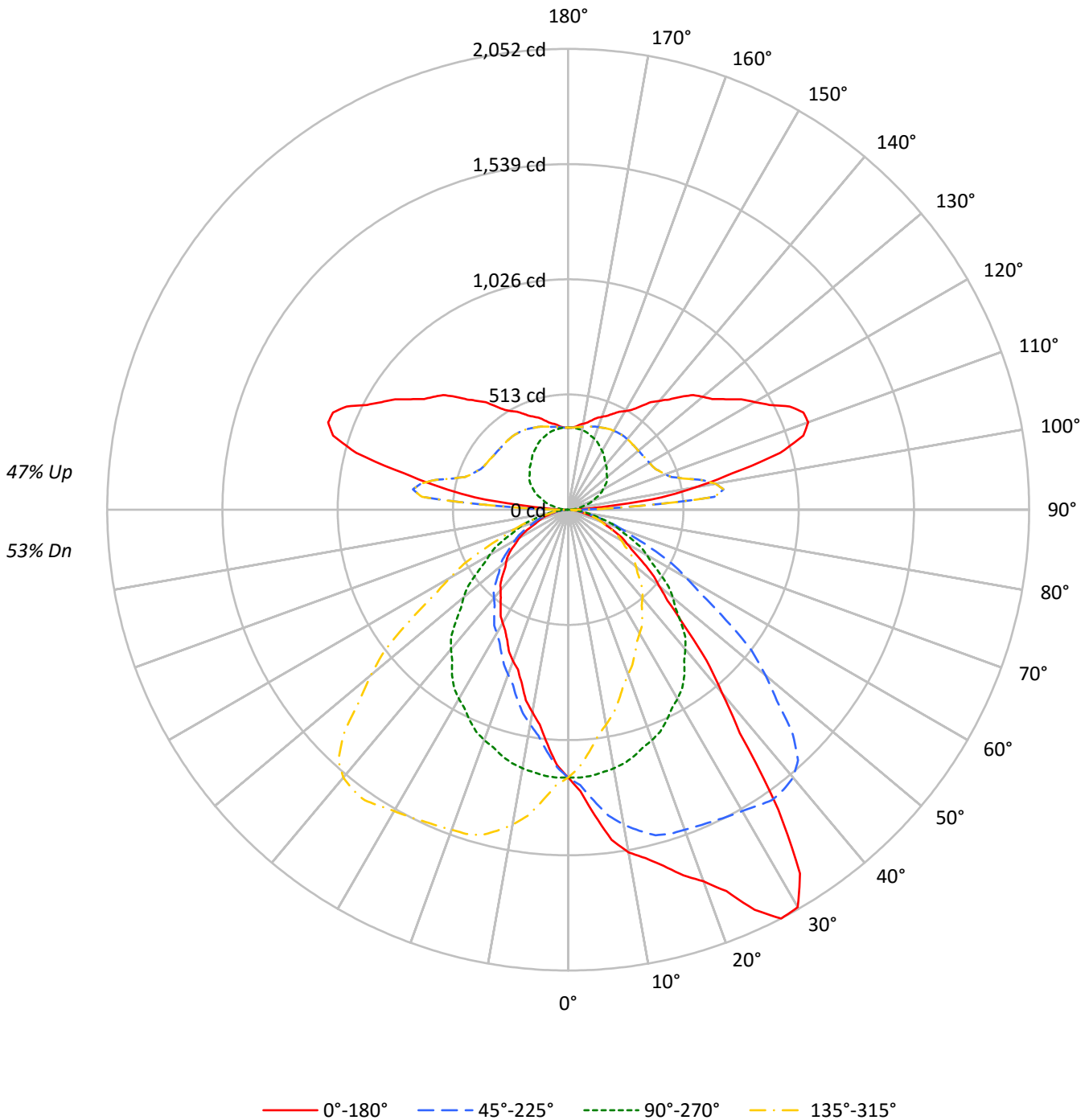
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	7700	7700	7700	7700
5°	8858	7710	6809	7710
10°	10161	7671	6008	7671
15°	10975	7592	5340	7592
20°	12103	7501	4931	7501
25°	14006	7380	4576	7380
30°	15242	7252	4343	7252
35°	12857	7104	4129	7104
40°	8979	6837	3945	6837
45°	6660	6477	3764	6477
50°	5311	6103	3609	6103
55°	4507	5638	3471	5638
60°	3894	5222	3250	5222
65°	3470	4772	2797	4772
70°	3051	4371	2551	4371
75°	2640	3785	2395	3785
80°	2001	3187	2001	3187
85°	1667	2497	1882	2497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	2.0
10°-20°	335.0	5.7
20°-30°	531.2	9.1
30°-40°	640.6	11.0
40°-50°	572.1	9.8
50°-60°	438.7	7.5
60°-70°	285.1	4.9
70°-80°	138.6	2.4
80°-90°	35.1	0.6
90°-100°	264.9	4.5
100°-110°	569.6	9.8
110°-120°	534.5	9.2
120°-130°	433.2	7.4
130°-140°	347.7	6.0
140°-150°	262.4	4.5
150°-160°	184.7	3.2
160°-170°	108.8	1.9
170°-180°	35.4	0.6
0°-30°	980.6	16.8
0°-40°	1621.2	27.8
0°-60°	2632.0	45.1
0°-90°	3090.9	53.0
90°-120°	1369.1	23.5
90°-150°	2412.3	41.4
90°-180°	2741.0	47.0
0°-180°	5832.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1192	1192	1192	1192	1192	
5°	1366	1189	1050	1189	1366	137
15°	1642	1136	799	1136	1642	470
25°	1966	1036	642	1036	1966	902
35°	1631	901	524	901	1631	985
45°	729	709	412	709	729	582
55°	400	501	308	501	400	363
65°	227	312	183	312	227	226
75°	106	152	96	152	106	113
85°	22	34	25	34	22	26
90°	17	1	17	1	17	13
95°	173	24	173	24	173	245
105°	976	83	976	83	976	971
115°	1088	149	1088	149	1088	1063
125°	857	206	857	206	857	775
135°	712	242	712	242	712	552
145°	562	282	562	282	562	357
155°	471	321	471	321	471	219
165°	413	351	413	351	413	118
175°	371	365	371	365	371	36
180°	366	366	366	366	366	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1254.1	1253.3	1254.9	1250.6	1250.9	1244.3	1244.3	1239.2	1232.6	1227.5	1225.1
5°	1366.4	1367.4	1365.5	1358.1	1353.2	1345.9	1337.6	1322.9	1310.6	1298.9	1289.6
7.5°	1482.1	1482.8	1476.4	1474.1	1461.8	1452.7	1434.3	1414.3	1396.6	1374.0	1356.9
10°	1549.4	1549.0	1542.2	1536.7	1526.0	1512.3	1494.2	1470.6	1448.7	1424.2	1400.7
12.5°	1588.7	1587.3	1585.2	1578.7	1568.7	1556.5	1541.2	1518.1	1490.9	1464.1	1436.7
15°	1641.5	1638.0	1631.7	1623.3	1609.2	1595.0	1577.9	1557.4	1531.3	1501.0	1475.6
17.5°	1706.9	1706.9	1697.2	1685.6	1666.3	1641.3	1614.9	1581.7	1546.4	1513.1	1485.9
20°	1761.0	1759.4	1749.6	1727.1	1705.2	1673.8	1643.4	1602.8	1559.7	1516.2	1482.4
22.5°	1838.4	1834.7	1824.5	1794.9	1760.8	1720.4	1674.0	1624.4	1572.3	1522.9	1478.6
25°	1965.5	1962.6	1942.5	1908.3	1860.3	1798.1	1737.4	1669.4	1594.5	1529.5	1475.6
27.5°	2052.4	2049.2	2034.3	2005.8	1961.6	1896.2	1814.0	1723.2	1629.7	1540.1	1462.4
30°	2043.8	2051.2	2049.2	2036.0	2002.7	1944.0	1868.1	1765.9	1654.7	1549.4	1457.0
32.5°	1920.8	1927.4	1944.7	1970.6	1972.6	1949.1	1892.3	1797.9	1682.9	1563.2	1452.6
35°	1630.7	1639.6	1672.8	1725.2	1793.7	1851.0	1862.7	1811.8	1708.5	1579.8	1446.2
37.5°	1253.7	1301.8	1329.8	1385.0	1488.5	1593.8	1695.2	1732.4	1688.5	1573.0	1435.8
40°	1065.0	1076.7	1126.6	1188.8	1275.9	1385.5	1529.9	1634.2	1637.6	1557.4	1419.3
42.5°	911.4	926.3	960.6	1010.2	1084.9	1194.5	1343.5	1481.1	1544.8	1514.3	1397.8
45°	729.2	740.5	765.4	803.6	860.9	951.4	1079.7	1238.7	1365.0	1414.4	1340.0
47.5°	599.1	605.1	626.9	655.9	698.3	764.3	863.6	1001.6	1153.1	1259.2	1248.8
50°	528.6	535.5	552.0	574.1	609.8	665.6	744.9	859.9	1016.1	1145.8	1171.7
52.5°	473.7	479.5	489.8	510.7	540.1	583.0	647.0	751.0	891.6	1029.4	1089.4
55°	400.3	404.3	412.6	424.3	447.8	478.6	534.0	605.9	719.4	858.5	946.5
57.5°	339.9	341.8	347.1	358.0	374.2	396.7	436.7	497.7	579.1	704.3	801.4
60°	301.5	303.4	310.3	317.6	330.4	350.9	382.2	424.8	503.1	606.3	704.7
62.5°	271.0	272.1	275.0	282.4	293.5	309.4	334.0	368.8	431.1	521.8	614.7
65°	227.1	227.6	228.6	234.4	241.3	253.1	269.2	293.6	340.6	409.2	491.3
67.5°	185.0	185.7	189.1	191.1	198.3	204.4	214.0	232.7	265.8	312.0	375.9
70°	161.6	161.0	164.5	166.9	169.4	176.6	183.0	198.2	218.8	254.0	307.4
72.5°	139.6	138.3	139.8	140.6	143.9	148.9	155.2	164.6	180.4	204.6	245.5
75°	105.8	106.2	106.2	107.2	109.6	111.6	113.6	118.5	127.2	143.4	165.4
77.5°	74.2	73.4	75.5	75.8	77.2	79.4	81.1	83.0	86.6	93.3	104.6
80°	53.8	53.8	54.3	55.8	55.3	56.3	58.7	60.7	65.1	69.0	73.0
82.5°	41.3	40.9	41.4	41.7	41.6	42.6	43.5	43.8	45.5	47.5	50.2
85°	22.5	22.5	23.0	23.0	23.5	23.5	23.9	23.9	23.9	24.5	25.0
87.5°	12.0	11.6	11.0	11.0	11.5	12.0	11.4	10.8	10.7	10.6	10.7
90°	17.0	17.0	16.2	16.2	16.2	14.7	14.0	13.3	12.5	11.8	10.3
92.5°	47.0	48.2	49.2	51.0	60.4	71.4	94.8	130.6	192.4	237.6	241.4
95°	173.1	185.0	190.9	213.0	265.3	327.3	417.8	529.9	638.9	653.0	532.8
97.5°	418.6	428.0	449.4	490.7	536.2	622.3	710.6	789.2	808.4	697.3	475.8
100°	574.9	586.6	613.9	666.9	717.8	794.5	870.3	906.4	849.7	665.5	424.5
102.5°	749.3	758.2	787.8	825.6	880.0	931.8	968.3	945.9	825.0	609.4	385.6
105°	976.5	985.3	1000.0	1024.4	1048.0	1056.1	1023.7	922.7	745.8	534.3	347.9
107.5°	1097.0	1103.0	1107.8	1108.0	1096.0	1057.5	974.3	839.5	665.1	482.6	332.0
110°	1137.2	1137.2	1132.0	1117.9	1084.8	1022.2	918.2	778.3	619.1	458.4	327.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1132.5	1127.1	1114.3	1090.2	1041.8	967.9	862.8	729.9	584.8	444.2	327.3
115°	1087.8	1078.2	1057.5	1022.2	964.7	884.4	783.4	669.2	547.5	429.0	329.4
117.5°	1009.5	1003.6	983.1	946.6	889.1	815.4	728.4	630.0	525.3	421.4	334.3
120°	958.8	952.9	933.0	897.6	843.1	778.3	697.2	608.7	512.9	417.8	339.0
122.5°	914.0	908.7	888.8	856.4	807.8	747.0	674.8	592.9	502.3	414.9	343.1
125°	857.1	849.7	833.5	803.3	762.0	709.0	644.9	569.7	487.9	411.2	350.1
127.5°	808.4	805.2	789.9	763.2	725.8	676.1	616.2	546.1	474.6	409.4	357.9
130°	781.9	777.5	762.8	738.5	701.6	653.7	596.3	531.3	465.8	408.3	362.6
132.5°	755.4	750.4	736.8	712.5	675.6	629.5	577.3	516.6	458.7	408.3	367.9
135°	711.9	707.5	694.2	669.9	637.4	595.5	548.3	497.5	450.3	408.3	375.1
137.5°	665.5	660.6	648.4	626.3	597.2	561.6	522.4	481.3	442.8	409.2	381.7
140°	633.0	629.3	618.3	599.2	571.8	540.9	507.0	472.4	439.2	409.7	384.7
142.5°	602.9	599.9	589.5	573.3	550.1	523.2	494.1	464.8	436.3	410.4	386.4
145°	561.6	558.6	550.5	538.0	520.3	500.4	477.6	454.7	431.9	409.7	388.4
147.5°	526.5	525.2	520.5	510.4	496.4	481.4	463.8	445.3	427.3	407.8	389.1
150°	507.0	506.3	503.3	494.6	483.4	470.1	456.2	440.0	423.8	406.0	389.1
152.5°	491.7	491.0	488.0	481.0	471.6	461.4	448.6	434.0	419.6	403.7	388.5
155°	470.9	470.1	468.0	462.8	455.4	447.3	437.1	425.3	412.7	399.4	386.9
157.5°	452.3	452.5	450.4	446.2	440.5	434.0	426.1	416.4	406.2	395.0	385.0
160°	440.0	440.7	439.2	435.5	430.4	425.3	417.8	410.5	401.0	392.1	383.2
162.5°	428.8	429.0	428.6	425.6	421.5	417.0	410.8	404.0	396.2	388.5	381.4
165°	412.7	412.7	412.7	411.2	408.3	404.6	400.2	395.0	389.1	383.2	378.8
167.5°	397.9	398.1	398.7	397.4	395.9	393.2	389.8	386.4	382.2	378.1	374.7
170°	389.1	389.8	389.8	389.1	387.7	386.2	384.0	381.7	378.1	375.1	372.9
172.5°	380.9	381.6	382.8	381.4	381.2	380.3	378.6	376.5	373.9	371.6	370.5
175°	370.7	371.5	372.9	372.2	372.2	372.2	370.7	370.7	368.4	367.8	367.8
177.5°	365.5	365.5	367.3	366.7	367.3	367.3	367.3	366.7	366.1	365.5	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1225.1	1222.4	1217.3	1212.6	1206.7	1201.6	1198.1	1193.8	1188.3	1181.7	1176.2
5°	1279.3	1268.6	1254.3	1242.2	1226.4	1214.3	1201.6	1189.3	1177.0	1161.4	1147.6
7.5°	1339.4	1317.2	1295.6	1268.4	1243.7	1221.6	1200.5	1179.1	1158.2	1136.0	1114.5
10°	1376.2	1349.3	1319.5	1285.2	1253.9	1224.0	1196.7	1169.7	1141.3	1116.3	1089.4
12.5°	1410.7	1375.9	1341.8	1298.5	1260.9	1224.5	1189.6	1156.0	1125.7	1093.3	1064.4
15°	1441.8	1407.6	1369.4	1316.5	1264.1	1220.1	1179.0	1135.5	1097.8	1061.6	1029.3
17.5°	1453.9	1418.0	1373.6	1322.8	1265.6	1210.1	1157.2	1109.4	1065.1	1022.8	986.6
20°	1449.2	1414.4	1368.9	1320.4	1259.2	1201.6	1144.2	1091.4	1042.0	997.4	958.8
22.5°	1437.8	1401.8	1357.9	1306.7	1248.7	1187.4	1126.2	1069.9	1018.0	971.9	929.8
25°	1420.8	1371.9	1326.8	1276.9	1221.5	1160.9	1097.8	1035.6	980.3	933.3	887.3
27.5°	1403.1	1342.0	1284.7	1235.1	1176.7	1122.5	1061.7	997.9	939.8	891.9	844.7
30°	1387.0	1318.5	1255.4	1199.1	1143.8	1092.4	1034.6	972.4	912.8	863.4	815.4
32.5°	1367.1	1294.2	1224.8	1159.9	1106.5	1055.6	1003.3	943.9	885.7	834.7	786.0
35°	1342.0	1249.0	1173.7	1104.6	1045.4	996.0	949.0	901.0	842.7	789.9	742.4
37.5°	1309.1	1203.5	1116.3	1041.2	978.7	929.1	892.0	848.2	795.0	744.4	700.3
40°	1289.1	1170.6	1075.3	1000.9	935.3	882.9	848.2	811.0	762.5	715.0	671.0
42.5°	1262.5	1140.6	1033.8	956.2	890.2	839.8	804.6	772.2	731.6	686.8	639.7
45°	1210.3	1082.1	970.1	886.8	820.3	770.8	738.0	709.2	678.3	637.3	596.1
47.5°	1142.4	1021.2	903.8	813.0	747.8	701.9	670.1	647.3	625.3	590.3	550.4
50°	1088.0	971.0	856.5	768.4	698.9	655.3	625.5	607.4	587.3	555.4	522.2
52.5°	1023.8	919.4	807.1	717.1	651.5	610.7	582.0	563.9	547.3	521.4	489.7
55°	922.6	831.0	728.2	646.5	586.4	545.2	517.8	500.7	490.9	468.8	443.9
57.5°	805.8	740.2	649.5	570.7	517.6	476.9	456.9	442.2	431.2	415.6	398.0
60°	724.3	678.3	597.1	522.2	473.3	434.6	416.5	404.3	394.0	380.8	367.0
62.5°	641.7	608.2	537.5	473.3	428.2	395.9	378.9	367.9	356.0	347.1	333.8
65°	531.0	501.1	452.2	401.8	360.2	334.2	322.1	312.3	304.9	295.1	285.8
67.5°	413.0	401.0	367.1	332.4	302.6	279.5	268.9	262.0	253.3	247.3	241.0
70°	340.6	334.8	310.8	287.8	259.9	244.2	234.4	231.5	220.7	214.9	210.5
72.5°	276.4	273.7	259.9	243.9	224.2	210.6	201.5	198.2	191.3	186.6	183.8
75°	189.4	190.4	187.9	177.7	170.3	161.6	153.6	151.7	146.8	142.9	140.4
77.5°	119.8	124.8	125.0	124.5	121.6	116.2	112.9	111.5	106.7	105.2	104.6
80°	82.2	87.6	92.5	92.0	91.0	89.5	87.1	85.7	83.2	81.7	80.8
82.5°	54.9	59.9	63.9	66.5	66.4	64.9	63.2	62.6	62.0	61.0	60.8
85°	25.9	27.0	28.4	31.9	34.2	34.8	34.2	33.7	32.3	32.8	33.3
87.5°	10.9	10.7	10.8	10.6	9.9	11.6	12.4	12.6	12.1	11.6	11.0
90°	9.6	8.1	7.4	5.9	4.4	2.9	1.5	0.8	1.5	2.9	4.4
92.5°	168.1	100.7	60.4	38.9	26.2	17.1	10.9	9.0	10.9	17.1	26.2
95°	329.4	167.3	88.4	55.2	39.0	30.9	25.1	24.3	25.1	30.9	39.0
97.5°	263.0	144.1	92.0	68.1	53.5	45.4	41.3	40.3	41.3	45.4	53.5
100°	238.7	143.0	100.2	78.1	64.1	56.0	53.1	51.6	53.1	56.0	64.1
102.5°	228.8	148.3	110.3	88.7	75.9	67.2	64.8	64.0	64.8	67.2	75.9
105°	224.8	159.2	126.8	106.1	94.3	87.0	83.3	83.3	83.3	87.0	94.3
107.5°	231.6	175.4	144.0	125.5	113.2	107.2	103.6	102.2	103.6	107.2	113.2
110°	238.1	187.2	156.9	137.8	126.8	120.1	117.2	115.7	117.2	120.1	126.8



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	246.3	198.4	169.4	150.8	139.7	133.1	130.7	129.2	130.7	133.1	139.7
115°	258.6	215.9	188.7	170.2	159.2	152.6	150.3	148.8	150.3	152.6	159.2
117.5°	272.9	233.9	208.1	190.3	177.8	171.2	168.8	166.5	168.8	171.2	177.8
120°	282.3	246.9	221.1	202.6	190.1	183.5	180.6	178.3	180.6	183.5	190.1
122.5°	292.8	259.3	233.5	215.1	201.3	194.7	192.4	190.8	192.4	194.7	201.3
125°	307.3	275.6	251.3	232.1	218.1	211.5	207.8	206.3	207.8	211.5	218.1
127.5°	320.6	291.4	268.0	248.8	233.9	225.6	220.8	218.6	220.8	225.6	233.9
130°	329.4	301.4	278.6	259.4	243.9	234.3	228.5	226.2	228.5	234.3	243.9
132.5°	337.1	310.9	288.0	268.8	252.8	242.0	235.0	232.1	235.0	242.0	252.8
135°	347.9	323.6	300.7	280.8	265.3	253.5	244.7	241.8	244.7	253.5	265.3
137.5°	355.8	332.5	311.7	291.2	276.1	264.3	256.0	253.8	256.0	264.3	276.1
140°	361.1	339.0	317.6	297.7	283.7	271.9	263.1	260.9	263.1	271.9	283.7
142.5°	364.1	343.1	322.9	304.3	290.8	279.0	270.8	269.1	270.8	279.0	290.8
145°	368.4	350.1	330.9	314.0	300.7	290.4	283.0	281.5	283.0	290.4	300.7
147.5°	371.2	354.5	337.7	322.8	311.3	301.7	295.4	294.5	295.4	301.7	311.3
150°	372.9	357.4	341.2	328.7	318.4	308.8	303.6	302.2	303.6	308.8	318.4
152.5°	374.1	360.3	345.3	334.0	324.2	315.8	311.3	310.4	311.3	315.8	324.2
155°	375.1	363.4	350.8	340.4	333.1	325.7	321.3	321.3	321.3	325.7	333.1
157.5°	375.9	365.8	355.1	347.2	340.7	334.4	330.9	331.0	330.9	334.4	340.7
160°	375.9	367.0	357.4	350.8	344.9	339.8	336.8	337.5	336.8	339.8	344.9
162.5°	375.2	368.2	359.8	354.3	349.6	345.1	342.1	342.8	342.1	345.1	349.6
165°	374.4	368.4	362.6	358.2	355.2	351.6	349.3	350.8	349.3	351.6	355.2
167.5°	372.6	368.4	363.6	360.8	358.7	356.7	355.3	356.1	355.3	356.7	358.7
170°	371.5	368.4	364.8	362.6	361.1	359.7	358.9	359.7	358.9	359.7	361.1
172.5°	370.2	367.9	364.8	363.7	362.9	361.4	360.7	362.0	360.7	361.4	362.9
175°	368.4	367.0	364.8	364.8	364.8	364.1	363.4	364.8	363.4	364.1	364.8
177.5°	366.7	366.1	365.0	365.0	365.5	365.0	365.0	366.1	365.0	365.0	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1172.2	1166.8	1162.8	1155.0	1149.5	1147.2	1142.9	1141.7	1146.0	1142.9	1142.5
5°	1137.4	1123.2	1111.9	1100.7	1088.4	1080.6	1068.8	1067.0	1063.9	1059.6	1058.6
7.5°	1095.6	1077.1	1062.6	1044.1	1027.8	1014.8	1000.1	993.3	989.4	983.7	976.1
10°	1067.4	1045.4	1025.8	1007.2	987.1	971.0	956.3	945.1	937.7	930.9	927.9
12.5°	1039.6	1017.2	992.1	969.6	947.3	929.1	912.9	905.5	897.4	889.4	882.5
15°	996.5	966.6	939.1	913.2	894.2	874.6	858.9	848.2	835.9	832.5	819.3
17.5°	950.6	921.3	889.3	862.0	839.8	818.3	801.1	788.8	779.7	767.0	760.9
20°	922.1	887.3	856.0	831.0	806.5	781.1	763.5	753.2	744.4	734.1	729.2
22.5°	891.6	857.5	825.5	796.2	771.3	746.3	733.8	723.0	713.0	703.6	697.1
25°	846.7	812.5	778.6	748.3	722.4	704.3	689.6	677.3	671.9	662.7	655.8
27.5°	802.4	765.9	730.8	700.7	680.3	662.4	650.4	640.6	630.9	622.8	616.9
30°	773.7	736.6	698.4	674.4	652.9	635.7	622.5	613.2	605.9	598.5	594.2
32.5°	745.2	706.8	673.0	647.0	626.6	611.9	598.2	589.4	581.6	573.5	568.4
35°	699.4	660.3	632.8	607.4	587.3	573.6	564.3	551.6	545.2	539.3	534.0
37.5°	656.8	620.4	590.7	568.4	551.0	537.3	525.4	518.5	510.7	505.4	500.9
40°	625.5	592.2	565.2	541.8	529.0	513.9	502.7	493.8	488.0	481.1	476.2
42.5°	597.3	566.4	540.2	519.1	503.2	490.4	479.6	470.7	463.3	458.4	454.3
45°	557.4	526.6	501.1	481.5	466.9	454.7	443.4	439.0	429.2	423.4	421.4
47.5°	516.2	488.6	464.1	446.0	431.0	419.4	408.9	399.8	394.5	388.7	385.6
50°	488.4	462.0	439.0	421.4	406.7	394.0	384.2	378.3	371.0	365.6	361.7
52.5°	460.6	436.2	413.2	396.3	383.6	370.9	360.0	354.0	347.1	343.7	340.9
55°	420.9	394.9	375.4	358.7	345.5	333.8	323.5	317.6	313.2	309.8	308.8
57.5°	375.9	355.3	337.1	322.2	308.4	297.4	288.3	282.8	278.9	278.3	275.4
60°	346.5	327.9	311.2	295.1	283.3	273.1	265.2	258.9	255.0	254.5	253.5
62.5°	317.2	299.4	283.9	269.7	259.1	249.2	241.8	234.6	232.2	229.8	227.7
65°	273.6	257.4	244.7	233.5	222.2	213.9	206.5	202.1	196.7	193.8	188.4
67.5°	230.8	218.3	206.0	196.5	187.8	179.8	173.7	167.2	163.5	161.2	157.3
70°	202.6	192.8	180.6	170.3	163.4	157.1	152.2	144.9	142.4	140.4	138.5
72.5°	176.0	167.4	157.1	148.8	141.9	135.9	130.3	126.9	124.4	122.4	121.3
75°	138.5	130.2	121.4	115.5	110.7	105.8	102.7	100.3	99.3	98.9	96.9
77.5°	101.7	97.3	90.2	85.6	82.3	80.4	77.8	76.4	76.3	74.2	73.5
80°	77.9	75.4	69.5	67.6	65.1	63.2	61.6	59.2	56.7	55.8	54.3
82.5°	57.9	55.4	53.1	50.0	47.9	46.7	45.2	44.3	44.7	43.3	42.6
85°	30.8	28.4	27.4	27.0	25.9	27.0	26.4	25.9	25.4	25.0	25.4
87.5°	10.9	11.2	11.0	12.1	11.0	11.8	11.9	11.7	11.8	12.0	11.9
90°	5.9	7.4	8.1	9.6	10.3	11.8	12.5	13.3	14.0	14.7	16.2
92.5°	38.9	60.4	100.7	168.1	241.4	237.6	192.4	130.6	94.8	71.4	60.4
95°	55.2	88.4	167.3	329.4	532.8	653.0	638.9	529.9	417.8	327.3	265.3
97.5°	68.1	92.0	144.1	263.0	475.8	697.3	808.4	789.2	710.6	622.3	536.2
100°	78.1	100.2	143.0	238.7	424.5	665.5	849.7	906.4	870.3	794.5	717.8
102.5°	88.7	110.3	148.3	228.8	385.6	609.4	825.0	945.9	968.3	931.8	880.0
105°	106.1	126.8	159.2	224.8	347.9	534.3	745.8	922.7	1023.7	1056.1	1048.0
107.5°	125.5	144.0	175.4	231.6	332.0	482.6	665.1	839.5	974.3	1057.5	1096.0
110°	137.8	156.9	187.2	238.1	327.3	458.4	619.1	778.3	918.2	1022.2	1084.8



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.8	169.4	198.4	246.3	327.3	444.2	584.8	729.9	862.8	967.9	1041.8
115°	170.2	188.7	215.9	258.6	329.4	429.0	547.5	669.2	783.4	884.4	964.7
117.5°	190.3	208.1	233.9	272.9	334.3	421.4	525.3	630.0	728.4	815.4	889.1
120°	202.6	221.1	246.9	282.3	339.0	417.8	512.9	608.7	697.2	778.3	843.1
122.5°	215.1	233.5	259.3	292.8	343.1	414.9	502.3	592.9	674.8	747.0	807.8
125°	232.1	251.3	275.6	307.3	350.1	411.2	487.9	569.7	644.9	709.0	762.0
127.5°	248.8	268.0	291.4	320.6	357.9	409.4	474.6	546.1	616.2	676.1	725.8
130°	259.4	278.6	301.4	329.4	362.6	408.3	465.8	531.3	596.3	653.7	701.6
132.5°	268.8	288.0	310.9	337.1	367.9	408.3	458.7	516.6	577.3	629.5	675.6
135°	280.8	300.7	323.6	347.9	375.1	408.3	450.3	497.5	548.3	595.5	637.4
137.5°	291.2	311.7	332.5	355.8	381.7	409.2	442.8	481.3	522.4	561.6	597.2
140°	297.7	317.6	339.0	361.1	384.7	409.7	439.2	472.4	507.0	540.9	571.8
142.5°	304.3	322.9	343.1	364.1	386.4	410.4	436.3	464.8	494.1	523.2	550.1
145°	314.0	330.9	350.1	368.4	388.4	409.7	431.9	454.7	477.6	500.4	520.3
147.5°	322.8	337.7	354.5	371.2	389.1	407.8	427.3	445.3	463.8	481.4	496.4
150°	328.7	341.2	357.4	372.9	389.1	406.0	423.8	440.0	456.2	470.1	483.4
152.5°	334.0	345.3	360.3	374.1	388.5	403.7	419.6	434.0	448.6	461.4	471.6
155°	340.4	350.8	363.4	375.1	386.9	399.4	412.7	425.3	437.1	447.3	455.4
157.5°	347.2	355.1	365.8	375.9	385.0	395.0	406.2	416.4	426.1	434.0	440.5
160°	350.8	357.4	367.0	375.9	383.2	392.1	401.0	410.5	417.8	425.3	430.4
162.5°	354.3	359.8	368.2	375.2	381.4	388.5	396.2	404.0	410.8	417.0	421.5
165°	358.2	362.6	368.4	374.4	378.8	383.2	389.1	395.0	400.2	404.6	408.3
167.5°	360.8	363.6	368.4	372.6	374.7	378.1	382.2	386.4	389.8	393.2	395.9
170°	362.6	364.8	368.4	371.5	372.9	375.1	378.1	381.7	384.0	386.2	387.7
172.5°	363.7	364.8	367.9	370.2	370.5	371.6	373.9	376.5	378.6	380.3	381.2
175°	364.8	364.8	367.0	368.4	367.8	367.8	368.4	370.7	370.7	372.2	372.2
177.5°	365.0	365.0	366.1	366.7	365.5	365.5	366.1	366.7	367.3	367.3	367.3
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.1	1137.8	1136.6	1138.2	1136.6	1137.8	1142.1	1142.5	1142.9	1146.0	1141.7
5°	1053.7	1048.9	1051.2	1050.3	1051.2	1048.9	1053.7	1058.6	1059.6	1063.9	1067.0
7.5°	976.0	969.9	963.5	965.5	963.5	969.9	976.0	976.1	983.7	989.4	993.3
10°	921.5	916.7	913.7	916.2	913.7	916.7	921.5	927.9	930.9	937.7	945.1
12.5°	875.7	872.8	870.2	869.2	870.2	872.8	875.7	882.5	889.4	897.4	905.5
15°	813.4	807.6	805.1	798.7	805.1	807.6	813.4	819.3	832.5	835.9	848.2
17.5°	755.9	754.0	747.6	744.9	747.6	754.0	755.9	760.9	767.0	779.7	788.8
20°	721.9	719.9	713.6	717.5	713.6	719.9	721.9	729.2	734.1	744.4	753.2
22.5°	693.7	689.4	687.3	686.2	687.3	689.4	693.7	697.1	703.6	713.0	723.0
25°	653.8	647.5	645.1	642.2	645.1	647.5	653.8	655.8	662.7	671.9	677.3
27.5°	614.2	610.7	607.5	606.7	607.5	610.7	614.2	616.9	622.8	630.9	640.6
30°	588.2	584.8	582.4	582.4	582.4	584.8	588.2	594.2	598.5	605.9	613.2
32.5°	565.1	562.5	560.1	559.7	560.1	562.5	565.1	568.4	573.5	581.6	589.4
35°	531.5	527.6	526.6	523.7	526.6	527.6	531.5	534.0	539.3	545.2	551.6
37.5°	496.5	493.3	493.2	492.9	493.2	493.3	496.5	500.9	505.4	510.7	518.5
40°	474.3	471.8	471.3	467.9	471.3	471.8	474.3	476.2	481.1	488.0	493.8
42.5°	450.3	449.1	447.4	445.9	447.4	449.1	450.3	454.3	458.4	463.3	470.7
45°	417.9	414.5	414.5	412.1	414.5	414.5	417.9	421.4	423.4	429.2	439.0
47.5°	384.5	381.8	382.1	379.6	382.1	381.8	384.5	385.6	388.7	394.5	399.8
50°	362.1	360.7	360.2	359.2	360.2	360.7	362.1	361.7	365.6	371.0	378.3
52.5°	339.9	339.1	341.0	338.8	341.0	339.1	339.9	340.9	343.7	347.1	354.0
55°	309.8	308.3	311.2	308.3	311.2	308.3	309.8	308.8	309.8	313.2	317.6
57.5°	275.2	273.9	276.5	275.0	276.5	273.9	275.2	275.4	278.3	278.9	282.8
60°	252.5	249.6	251.1	251.6	251.1	249.6	252.5	253.5	254.5	255.0	258.9
62.5°	225.6	223.8	224.8	222.6	224.8	223.8	225.6	227.7	229.8	232.2	234.6
65°	187.5	186.0	184.0	183.0	184.0	186.0	187.5	188.4	193.8	196.7	202.1
67.5°	157.5	154.0	153.9	154.7	153.9	154.0	157.5	157.3	161.2	163.5	167.2
70°	135.5	135.5	135.1	135.1	135.1	135.5	135.5	138.5	140.4	142.4	144.9
72.5°	120.3	119.9	119.0	118.7	119.0	119.9	120.3	121.3	122.4	124.4	126.9
75°	96.9	97.4	96.4	96.0	96.4	97.4	96.9	96.9	98.9	99.3	100.3
77.5°	71.5	69.5	70.6	69.5	70.6	69.5	71.5	73.5	74.2	76.3	76.4
80°	54.3	53.8	55.3	53.8	55.3	53.8	54.3	54.3	55.8	56.7	59.2
82.5°	43.0	42.5	43.2	42.1	43.2	42.5	43.0	42.6	43.3	44.7	44.3
85°	25.9	25.4	25.0	25.4	25.0	25.4	25.9	25.4	25.0	25.4	25.9
87.5°	12.3	11.9	12.0	12.0	12.0	11.9	12.3	11.9	12.0	11.8	11.7
90°	16.2	16.2	17.0	17.0	17.0	16.2	16.2	16.2	14.7	14.0	13.3
92.5°	51.0	49.2	48.2	47.0	48.2	49.2	51.0	60.4	71.4	94.8	130.6
95°	213.0	190.9	185.0	173.1	185.0	190.9	213.0	265.3	327.3	417.8	529.9
97.5°	490.7	449.4	428.0	418.6	428.0	449.4	490.7	536.2	622.3	710.6	789.2
100°	666.9	613.9	586.6	574.9	586.6	613.9	666.9	717.8	794.5	870.3	906.4
102.5°	825.6	787.8	758.2	749.3	758.2	787.8	825.6	880.0	931.8	968.3	945.9
105°	1024.4	1000.0	985.3	976.5	985.3	1000.0	1024.4	1048.0	1056.1	1023.7	922.7
107.5°	1108.0	1107.8	1103.0	1097.0	1103.0	1107.8	1108.0	1096.0	1057.5	974.3	839.5
110°	1117.9	1132.0	1137.2	1137.2	1137.2	1132.0	1117.9	1084.8	1022.2	918.2	778.3



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1090.2	1114.3	1127.1	1132.5	1127.1	1114.3	1090.2	1041.8	967.9	862.8	729.9
115°	1022.2	1057.5	1078.2	1087.8	1078.2	1057.5	1022.2	964.7	884.4	783.4	669.2
117.5°	946.6	983.1	1003.6	1009.5	1003.6	983.1	946.6	889.1	815.4	728.4	630.0
120°	897.6	933.0	952.9	958.8	952.9	933.0	897.6	843.1	778.3	697.2	608.7
122.5°	856.4	888.8	908.7	914.0	908.7	888.8	856.4	807.8	747.0	674.8	592.9
125°	803.3	833.5	849.7	857.1	849.7	833.5	803.3	762.0	709.0	644.9	569.7
127.5°	763.2	789.9	805.2	808.4	805.2	789.9	763.2	725.8	676.1	616.2	546.1
130°	738.5	762.8	777.5	781.9	777.5	762.8	738.5	701.6	653.7	596.3	531.3
132.5°	712.5	736.8	750.4	755.4	750.4	736.8	712.5	675.6	629.5	577.3	516.6
135°	669.9	694.2	707.5	711.9	707.5	694.2	669.9	637.4	595.5	548.3	497.5
137.5°	626.3	648.4	660.6	665.5	660.6	648.4	626.3	597.2	561.6	522.4	481.3
140°	599.2	618.3	629.3	633.0	629.3	618.3	599.2	571.8	540.9	507.0	472.4
142.5°	573.3	589.5	599.9	602.9	599.9	589.5	573.3	550.1	523.2	494.1	464.8
145°	538.0	550.5	558.6	561.6	558.6	550.5	538.0	520.3	500.4	477.6	454.7
147.5°	510.4	520.5	525.2	526.5	525.2	520.5	510.4	496.4	481.4	463.8	445.3
150°	494.6	503.3	506.3	507.0	506.3	503.3	494.6	483.4	470.1	456.2	440.0
152.5°	481.0	488.0	491.0	491.7	491.0	488.0	481.0	471.6	461.4	448.6	434.0
155°	462.8	468.0	470.1	470.9	470.1	468.0	462.8	455.4	447.3	437.1	425.3
157.5°	446.2	450.4	452.5	452.3	452.5	450.4	446.2	440.5	434.0	426.1	416.4
160°	435.5	439.2	440.7	440.0	440.7	439.2	435.5	430.4	425.3	417.8	410.5
162.5°	425.6	428.6	429.0	428.8	429.0	428.6	425.6	421.5	417.0	410.8	404.0
165°	411.2	412.7	412.7	412.7	412.7	412.7	411.2	408.3	404.6	400.2	395.0
167.5°	397.4	398.7	398.1	397.9	398.1	398.7	397.4	395.9	393.2	389.8	386.4
170°	389.1	389.8	389.8	389.1	389.8	389.8	389.1	387.7	386.2	384.0	381.7
172.5°	381.4	382.8	381.6	380.9	381.6	382.8	381.4	381.2	380.3	378.6	376.5
175°	372.2	372.9	371.5	370.7	371.5	372.9	372.2	372.2	372.2	370.7	370.7
177.5°	366.7	367.3	365.5	365.5	365.5	367.3	366.7	367.3	367.3	367.3	366.7
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.9	1147.2	1149.5	1155.0	1162.8	1166.8	1172.2	1176.2	1181.7	1188.3	1193.8
5°	1068.8	1080.6	1088.4	1100.7	1111.9	1123.2	1137.4	1147.6	1161.4	1177.0	1189.3
7.5°	1000.1	1014.8	1027.8	1044.1	1062.6	1077.1	1095.6	1114.5	1136.0	1158.2	1179.1
10°	956.3	971.0	987.1	1007.2	1025.8	1045.4	1067.4	1089.4	1116.3	1141.3	1169.7
12.5°	912.9	929.1	947.3	969.6	992.1	1017.2	1039.6	1064.4	1093.3	1125.7	1156.0
15°	858.9	874.6	894.2	913.2	939.1	966.6	996.5	1029.3	1061.6	1097.8	1135.5
17.5°	801.1	818.3	839.8	862.0	889.3	921.3	950.6	986.6	1022.8	1065.1	1109.4
20°	763.5	781.1	806.5	831.0	856.0	887.3	922.1	958.8	997.4	1042.0	1091.4
22.5°	733.8	746.3	771.3	796.2	825.5	857.5	891.6	929.8	971.9	1018.0	1069.9
25°	689.6	704.3	722.4	748.3	778.6	812.5	846.7	887.3	933.3	980.3	1035.6
27.5°	650.4	662.4	680.3	700.7	730.8	765.9	802.4	844.7	891.9	939.8	997.9
30°	622.5	635.7	652.9	674.4	698.4	736.6	773.7	815.4	863.4	912.8	972.4
32.5°	598.2	611.9	626.6	647.0	673.0	706.8	745.2	786.0	834.7	885.7	943.9
35°	564.3	573.6	587.3	607.4	632.8	660.3	699.4	742.4	789.9	842.7	901.0
37.5°	525.4	537.3	551.0	568.4	590.7	620.4	656.8	700.3	744.4	795.0	848.2
40°	502.7	513.9	529.0	541.8	565.2	592.2	625.5	671.0	715.0	762.5	811.0
42.5°	479.6	490.4	503.2	519.1	540.2	566.4	597.3	639.7	686.8	731.6	772.2
45°	443.4	454.7	466.9	481.5	501.1	526.6	557.4	596.1	637.3	678.3	709.2
47.5°	408.9	419.4	431.0	446.0	464.1	488.6	516.2	550.4	590.3	625.3	647.3
50°	384.2	394.0	406.7	421.4	439.0	462.0	488.4	522.2	555.4	587.3	607.4
52.5°	360.0	370.9	383.6	396.3	413.2	436.2	460.6	489.7	521.4	547.3	563.9
55°	323.5	333.8	345.5	358.7	375.4	394.9	420.9	443.9	468.8	490.9	500.7
57.5°	288.3	297.4	308.4	322.2	337.1	355.3	375.9	398.0	415.6	431.2	442.2
60°	265.2	273.1	283.3	295.1	311.2	327.9	346.5	367.0	380.8	394.0	404.3
62.5°	241.8	249.2	259.1	269.7	283.9	299.4	317.2	333.8	347.1	356.0	367.9
65°	206.5	213.9	222.2	233.5	244.7	257.4	273.6	285.8	295.1	304.9	312.3
67.5°	173.7	179.8	187.8	196.5	206.0	218.3	230.8	241.0	247.3	253.3	262.0
70°	152.2	157.1	163.4	170.3	180.6	192.8	202.6	210.5	214.9	220.7	231.5
72.5°	130.3	135.9	141.9	148.8	157.1	167.4	176.0	183.8	186.6	191.3	198.2
75°	102.7	105.8	110.7	115.5	121.4	130.2	138.5	140.4	142.9	146.8	151.7
77.5°	77.8	80.4	82.3	85.6	90.2	97.3	101.7	104.6	105.2	106.7	111.5
80°	61.6	63.2	65.1	67.6	69.5	75.4	77.9	80.8	81.7	83.2	85.7
82.5°	45.2	46.7	47.9	50.0	53.1	55.4	57.9	60.8	61.0	62.0	62.6
85°	26.4	27.0	25.9	27.0	27.4	28.4	30.8	33.3	32.8	32.3	33.7
87.5°	11.9	11.8	11.0	12.1	11.0	11.2	10.9	11.0	11.6	12.1	12.6
90°	12.5	11.8	10.3	9.6	8.1	7.4	5.9	4.4	2.9	1.5	0.8
92.5°	192.4	237.6	241.4	168.1	100.7	60.4	38.9	26.2	17.1	10.9	9.0
95°	638.9	653.0	532.8	329.4	167.3	88.4	55.2	39.0	30.9	25.1	24.3
97.5°	808.4	697.3	475.8	263.0	144.1	92.0	68.1	53.5	45.4	41.3	40.3
100°	849.7	665.5	424.5	238.7	143.0	100.2	78.1	64.1	56.0	53.1	51.6
102.5°	825.0	609.4	385.6	228.8	148.3	110.3	88.7	75.9	67.2	64.8	64.0
105°	745.8	534.3	347.9	224.8	159.2	126.8	106.1	94.3	87.0	83.3	83.3
107.5°	665.1	482.6	332.0	231.6	175.4	144.0	125.5	113.2	107.2	103.6	102.2
110°	619.1	458.4	327.3	238.1	187.2	156.9	137.8	126.8	120.1	117.2	115.7



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	584.8	444.2	327.3	246.3	198.4	169.4	150.8	139.7	133.1	130.7	129.2
115°	547.5	429.0	329.4	258.6	215.9	188.7	170.2	159.2	152.6	150.3	148.8
117.5°	525.3	421.4	334.3	272.9	233.9	208.1	190.3	177.8	171.2	168.8	166.5
120°	512.9	417.8	339.0	282.3	246.9	221.1	202.6	190.1	183.5	180.6	178.3
122.5°	502.3	414.9	343.1	292.8	259.3	233.5	215.1	201.3	194.7	192.4	190.8
125°	487.9	411.2	350.1	307.3	275.6	251.3	232.1	218.1	211.5	207.8	206.3
127.5°	474.6	409.4	357.9	320.6	291.4	268.0	248.8	233.9	225.6	220.8	218.6
130°	465.8	408.3	362.6	329.4	301.4	278.6	259.4	243.9	234.3	228.5	226.2
132.5°	458.7	408.3	367.9	337.1	310.9	288.0	268.8	252.8	242.0	235.0	232.1
135°	450.3	408.3	375.1	347.9	323.6	300.7	280.8	265.3	253.5	244.7	241.8
137.5°	442.8	409.2	381.7	355.8	332.5	311.7	291.2	276.1	264.3	256.0	253.8
140°	439.2	409.7	384.7	361.1	339.0	317.6	297.7	283.7	271.9	263.1	260.9
142.5°	436.3	410.4	386.4	364.1	343.1	322.9	304.3	290.8	279.0	270.8	269.1
145°	431.9	409.7	388.4	368.4	350.1	330.9	314.0	300.7	290.4	283.0	281.5
147.5°	427.3	407.8	389.1	371.2	354.5	337.7	322.8	311.3	301.7	295.4	294.5
150°	423.8	406.0	389.1	372.9	357.4	341.2	328.7	318.4	308.8	303.6	302.2
152.5°	419.6	403.7	388.5	374.1	360.3	345.3	334.0	324.2	315.8	311.3	310.4
155°	412.7	399.4	386.9	375.1	363.4	350.8	340.4	333.1	325.7	321.3	321.3
157.5°	406.2	395.0	385.0	375.9	365.8	355.1	347.2	340.7	334.4	330.9	331.0
160°	401.0	392.1	383.2	375.9	367.0	357.4	350.8	344.9	339.8	336.8	337.5
162.5°	396.2	388.5	381.4	375.2	368.2	359.8	354.3	349.6	345.1	342.1	342.8
165°	389.1	383.2	378.8	374.4	368.4	362.6	358.2	355.2	351.6	349.3	350.8
167.5°	382.2	378.1	374.7	372.6	368.4	363.6	360.8	358.7	356.7	355.3	356.1
170°	378.1	375.1	372.9	371.5	368.4	364.8	362.6	361.1	359.7	358.9	359.7
172.5°	373.9	371.6	370.5	370.2	367.9	364.8	363.7	362.9	361.4	360.7	362.0
175°	368.4	367.8	367.8	368.4	367.0	364.8	364.8	364.8	364.1	363.4	364.8
177.5°	366.1	365.5	365.5	366.7	366.1	365.0	365.0	365.5	365.0	365.0	366.1
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333564-830

CATALOG NUMBER: S125RDIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1198.1	1201.6	1206.7	1212.6	1217.3	1222.4	1225.1	1225.1	1227.5	1232.6	1239.2
5°	1201.6	1214.3	1226.4	1242.2	1254.3	1268.6	1279.3	1289.6	1298.9	1310.6	1322.9
7.5°	1200.5	1221.6	1243.7	1268.4	1295.6	1317.2	1339.4	1356.9	1374.0	1396.6	1414.3
10°	1196.7	1224.0	1253.9	1285.2	1319.5	1349.3	1376.2	1400.7	1424.2	1448.7	1470.6
12.5°	1189.6	1224.5	1260.9	1298.5	1341.8	1375.9	1410.7	1436.7	1464.1	1490.9	1518.1
15°	1179.0	1220.1	1264.1	1316.5	1369.4	1407.6	1441.8	1475.6	1501.0	1531.3	1557.4
17.5°	1157.2	1210.1	1265.6	1322.8	1373.6	1418.0	1453.9	1485.9	1513.1	1546.4	1581.7
20°	1144.2	1201.6	1259.2	1320.4	1368.9	1414.4	1449.2	1482.4	1516.2	1559.7	1602.8
22.5°	1126.2	1187.4	1248.7	1306.7	1357.9	1401.8	1437.8	1478.6	1522.9	1572.3	1624.4
25°	1097.8	1160.9	1221.5	1276.9	1326.8	1371.9	1420.8	1475.6	1529.5	1594.5	1669.4
27.5°	1061.7	1122.5	1176.7	1235.1	1284.7	1342.0	1403.1	1462.4	1540.1	1629.7	1723.2
30°	1034.6	1092.4	1143.8	1199.1	1255.4	1318.5	1387.0	1457.0	1549.4	1654.7	1765.9
32.5°	1003.3	1055.6	1106.5	1159.9	1224.8	1294.2	1367.1	1452.6	1563.2	1682.9	1797.9
35°	949.0	996.0	1045.4	1104.6	1173.7	1249.0	1342.0	1446.2	1579.8	1708.5	1811.8
37.5°	892.0	929.1	978.7	1041.2	1116.3	1203.5	1309.1	1435.8	1573.0	1688.5	1732.4
40°	848.2	882.9	935.3	1000.9	1075.3	1170.6	1289.1	1419.3	1557.4	1637.6	1634.2
42.5°	804.6	839.8	890.2	956.2	1033.8	1140.6	1262.5	1397.8	1514.3	1544.8	1481.1
45°	738.0	770.8	820.3	886.8	970.1	1082.1	1210.3	1340.0	1414.4	1365.0	1238.7
47.5°	670.1	701.9	747.8	813.0	903.8	1021.2	1142.4	1248.8	1259.2	1153.1	1001.6
50°	625.5	655.3	698.9	768.4	856.5	971.0	1088.0	1171.7	1145.8	1016.1	859.9
52.5°	582.0	610.7	651.5	717.1	807.1	919.4	1023.8	1089.4	1029.4	891.6	751.0
55°	517.8	545.2	586.4	646.5	728.2	831.0	922.6	946.5	858.5	719.4	605.9
57.5°	456.9	476.9	517.6	570.7	649.5	740.2	805.8	801.4	704.3	579.1	497.7
60°	416.5	434.6	473.3	522.2	597.1	678.3	724.3	704.7	606.3	503.1	424.8
62.5°	378.9	395.9	428.2	473.3	537.5	608.2	641.7	614.7	521.8	431.1	368.8
65°	322.1	334.2	360.2	401.8	452.2	501.1	531.0	491.3	409.2	340.6	293.6
67.5°	268.9	279.5	302.6	332.4	367.1	401.0	413.0	375.9	312.0	265.8	232.7
70°	234.4	244.2	259.9	287.8	310.8	334.8	340.6	307.4	254.0	218.8	198.2
72.5°	201.5	210.6	224.2	243.9	259.9	273.7	276.4	245.5	204.6	180.4	164.6
75°	153.6	161.6	170.3	177.7	187.9	190.4	189.4	165.4	143.4	127.2	118.5
77.5°	112.9	116.2	121.6	124.5	125.0	124.8	119.8	104.6	93.3	86.6	83.0
80°	87.1	89.5	91.0	92.0	92.5	87.6	82.2	73.0	69.0	65.1	60.7
82.5°	63.2	64.9	66.4	66.5	63.9	59.9	54.9	50.2	47.5	45.5	43.8
85°	34.2	34.8	34.2	31.9	28.4	27.0	25.9	25.0	24.5	23.9	23.9
87.5°	12.4	11.6	9.9	10.6	10.8	10.7	10.9	10.7	10.6	10.7	10.8
90°	1.5	2.9	4.4	5.9	7.4	8.1	9.6	10.3	11.8	12.5	13.3
92.5°	10.9	17.1	26.2	38.9	60.4	100.7	168.1	241.4	237.6	192.4	130.6
95°	25.1	30.9	39.0	55.2	88.4	167.3	329.4	532.8	653.0	638.9	529.9
97.5°	41.3	45.4	53.5	68.1	92.0	144.1	263.0	475.8	697.3	808.4	789.2
100°	53.1	56.0	64.1	78.1	100.2	143.0	238.7	424.5	665.5	849.7	906.4
102.5°	64.8	67.2	75.9	88.7	110.3	148.3	228.8	385.6	609.4	825.0	945.9
105°	83.3	87.0	94.3	106.1	126.8	159.2	224.8	347.9	534.3	745.8	922.7
107.5°	103.6	107.2	113.2	125.5	144.0	175.4	231.6	332.0	482.6	665.1	839.5
110°	117.2	120.1	126.8	137.8	156.9	187.2	238.1	327.3	458.4	619.1	778.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	130.7	133.1	139.7	150.8	169.4	198.4	246.3	327.3	444.2	584.8	729.9
115°	150.3	152.6	159.2	170.2	188.7	215.9	258.6	329.4	429.0	547.5	669.2
117.5°	168.8	171.2	177.8	190.3	208.1	233.9	272.9	334.3	421.4	525.3	630.0
120°	180.6	183.5	190.1	202.6	221.1	246.9	282.3	339.0	417.8	512.9	608.7
122.5°	192.4	194.7	201.3	215.1	233.5	259.3	292.8	343.1	414.9	502.3	592.9
125°	207.8	211.5	218.1	232.1	251.3	275.6	307.3	350.1	411.2	487.9	569.7
127.5°	220.8	225.6	233.9	248.8	268.0	291.4	320.6	357.9	409.4	474.6	546.1
130°	228.5	234.3	243.9	259.4	278.6	301.4	329.4	362.6	408.3	465.8	531.3
132.5°	235.0	242.0	252.8	268.8	288.0	310.9	337.1	367.9	408.3	458.7	516.6
135°	244.7	253.5	265.3	280.8	300.7	323.6	347.9	375.1	408.3	450.3	497.5
137.5°	256.0	264.3	276.1	291.2	311.7	332.5	355.8	381.7	409.2	442.8	481.3
140°	263.1	271.9	283.7	297.7	317.6	339.0	361.1	384.7	409.7	439.2	472.4
142.5°	270.8	279.0	290.8	304.3	322.9	343.1	364.1	386.4	410.4	436.3	464.8
145°	283.0	290.4	300.7	314.0	330.9	350.1	368.4	388.4	409.7	431.9	454.7
147.5°	295.4	301.7	311.3	322.8	337.7	354.5	371.2	389.1	407.8	427.3	445.3
150°	303.6	308.8	318.4	328.7	341.2	357.4	372.9	389.1	406.0	423.8	440.0
152.5°	311.3	315.8	324.2	334.0	345.3	360.3	374.1	388.5	403.7	419.6	434.0
155°	321.3	325.7	333.1	340.4	350.8	363.4	375.1	386.9	399.4	412.7	425.3
157.5°	330.9	334.4	340.7	347.2	355.1	365.8	375.9	385.0	395.0	406.2	416.4
160°	336.8	339.8	344.9	350.8	357.4	367.0	375.9	383.2	392.1	401.0	410.5
162.5°	342.1	345.1	349.6	354.3	359.8	368.2	375.2	381.4	388.5	396.2	404.0
165°	349.3	351.6	355.2	358.2	362.6	368.4	374.4	378.8	383.2	389.1	395.0
167.5°	355.3	356.7	358.7	360.8	363.6	368.4	372.6	374.7	378.1	382.2	386.4
170°	358.9	359.7	361.1	362.6	364.8	368.4	371.5	372.9	375.1	378.1	381.7
172.5°	360.7	361.4	362.9	363.7	364.8	367.9	370.2	370.5	371.6	373.9	376.5
175°	363.4	364.1	364.8	364.8	364.8	367.0	368.4	367.8	367.8	368.4	370.7
177.5°	365.0	365.0	365.5	365.0	365.0	366.1	366.7	365.5	365.5	366.1	366.7
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1244.3	1244.3	1250.9	1250.6	1254.9	1253.3	1254.1
5°	1337.6	1345.9	1353.2	1358.1	1365.5	1367.4	1366.4
7.5°	1434.3	1452.7	1461.8	1474.1	1476.4	1482.8	1482.1
10°	1494.2	1512.3	1526.0	1536.7	1542.2	1549.0	1549.4
12.5°	1541.2	1556.5	1568.7	1578.7	1585.2	1587.3	1588.7
15°	1577.9	1595.0	1609.2	1623.3	1631.7	1638.0	1641.5
17.5°	1614.9	1641.3	1666.3	1685.6	1697.2	1706.9	1706.9
20°	1643.4	1673.8	1705.2	1727.1	1749.6	1759.4	1761.0
22.5°	1674.0	1720.4	1760.8	1794.9	1824.5	1834.7	1838.4
25°	1737.4	1798.1	1860.3	1908.3	1942.5	1962.6	1965.5
27.5°	1814.0	1896.2	1961.6	2005.8	2034.3	2049.2	2052.4
30°	1868.1	1944.0	2002.7	2036.0	2049.2	2051.2	2043.8
32.5°	1892.3	1949.1	1972.6	1970.6	1944.7	1927.4	1920.8
35°	1862.7	1851.0	1793.7	1725.2	1672.8	1639.6	1630.7
37.5°	1695.2	1593.8	1488.5	1385.0	1329.8	1301.8	1253.7
40°	1529.9	1385.5	1275.9	1188.8	1126.6	1076.7	1065.0
42.5°	1343.5	1194.5	1084.9	1010.2	960.6	926.3	911.4
45°	1079.7	951.4	860.9	803.6	765.4	740.5	729.2
47.5°	863.6	764.3	698.3	655.9	626.9	605.1	599.1
50°	744.9	665.6	609.8	574.1	552.0	535.5	528.6
52.5°	647.0	583.0	540.1	510.7	489.8	479.5	473.7
55°	534.0	478.6	447.8	424.3	412.6	404.3	400.3
57.5°	436.7	396.7	374.2	358.0	347.1	341.8	339.9
60°	382.2	350.9	330.4	317.6	310.3	303.4	301.5
62.5°	334.0	309.4	293.5	282.4	275.0	272.1	271.0
65°	269.2	253.1	241.3	234.4	228.6	227.6	227.1
67.5°	214.0	204.4	198.3	191.1	189.1	185.7	185.0
70°	183.0	176.6	169.4	166.9	164.5	161.0	161.6
72.5°	155.2	148.9	143.9	140.6	139.8	138.3	139.6
75°	113.6	111.6	109.6	107.2	106.2	106.2	105.8
77.5°	81.1	79.4	77.2	75.8	75.5	73.4	74.2
80°	58.7	56.3	55.3	55.8	54.3	53.8	53.8
82.5°	43.5	42.6	41.6	41.7	41.4	40.9	41.3
85°	23.9	23.5	23.5	23.0	23.0	22.5	22.5
87.5°	11.4	12.0	11.5	11.0	11.0	11.6	12.0
90°	14.0	14.7	16.2	16.2	16.2	17.0	17.0
92.5°	94.8	71.4	60.4	51.0	49.2	48.2	47.0
95°	417.8	327.3	265.3	213.0	190.9	185.0	173.1
97.5°	710.6	622.3	536.2	490.7	449.4	428.0	418.6
100°	870.3	794.5	717.8	666.9	613.9	586.6	574.9
102.5°	968.3	931.8	880.0	825.6	787.8	758.2	749.3
105°	1023.7	1056.1	1048.0	1024.4	1000.0	985.3	976.5
107.5°	974.3	1057.5	1096.0	1108.0	1107.8	1103.0	1097.0
110°	918.2	1022.2	1084.8	1117.9	1132.0	1137.2	1137.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	862.8	967.9	1041.8	1090.2	1114.3	1127.1	1132.5
115°	783.4	884.4	964.7	1022.2	1057.5	1078.2	1087.8
117.5°	728.4	815.4	889.1	946.6	983.1	1003.6	1009.5
120°	697.2	778.3	843.1	897.6	933.0	952.9	958.8
122.5°	674.8	747.0	807.8	856.4	888.8	908.7	914.0
125°	644.9	709.0	762.0	803.3	833.5	849.7	857.1
127.5°	616.2	676.1	725.8	763.2	789.9	805.2	808.4
130°	596.3	653.7	701.6	738.5	762.8	777.5	781.9
132.5°	577.3	629.5	675.6	712.5	736.8	750.4	755.4
135°	548.3	595.5	637.4	669.9	694.2	707.5	711.9
137.5°	522.4	561.6	597.2	626.3	648.4	660.6	665.5
140°	507.0	540.9	571.8	599.2	618.3	629.3	633.0
142.5°	494.1	523.2	550.1	573.3	589.5	599.9	602.9
145°	477.6	500.4	520.3	538.0	550.5	558.6	561.6
147.5°	463.8	481.4	496.4	510.4	520.5	525.2	526.5
150°	456.2	470.1	483.4	494.6	503.3	506.3	507.0
152.5°	448.6	461.4	471.6	481.0	488.0	491.0	491.7
155°	437.1	447.3	455.4	462.8	468.0	470.1	470.9
157.5°	426.1	434.0	440.5	446.2	450.4	452.5	452.3
160°	417.8	425.3	430.4	435.5	439.2	440.7	440.0
162.5°	410.8	417.0	421.5	425.6	428.6	429.0	428.8
165°	400.2	404.6	408.3	411.2	412.7	412.7	412.7
167.5°	389.8	393.2	395.9	397.4	398.7	398.1	397.9
170°	384.0	386.2	387.7	389.1	389.8	389.8	389.1
172.5°	378.6	380.3	381.2	381.4	382.8	381.6	380.9
175°	370.7	372.2	372.2	372.2	372.9	371.5	370.7
177.5°	367.3	367.3	367.3	366.7	367.3	365.5	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5

(END OF REPORT)