

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: P333576-927

Luminaire Tested: **S125RDIP-S850D1205U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333576-927  
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-S850D1205U927-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6022.4 lumens  
Efficiency: N/A  
Efficacy: 105.8 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

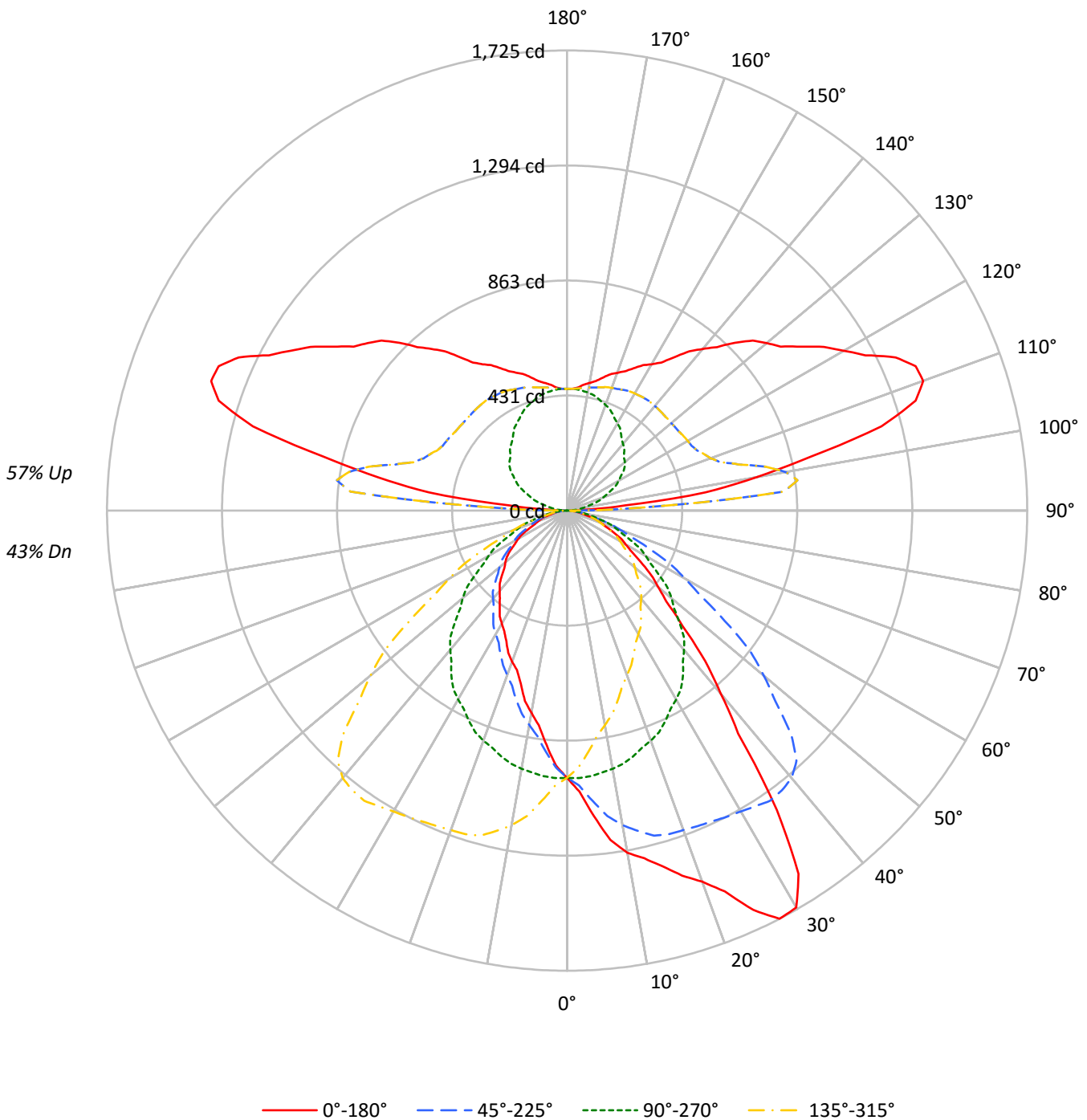
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43				
1	97	92	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37				
2	88	81	75	70	80	74	69	65	62	58	55	50	48	46	40	38	37	32				
3	81	72	65	59	74	66	60	55	55	50	47	45	42	39	35	33	31	27				
4	74	63	56	50	67	58	52	47	49	44	40	40	36	34	32	29	27	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	32	29	29	26	24	21				
6	63	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21	18				
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	27	24	27	23	20	22	19	17	14				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13				
10	47	35	28	23	43	32	26	22	28	22	19	23	19	16	19	16	14	12				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6471	6471	6471	6471
5°	7445	6480	5723	6480
10°	8540	6447	5050	6447
15°	9225	6381	4488	6381
20°	10172	6304	4144	6304
25°	11771	6202	3846	6202
30°	12810	6095	3650	6095
35°	10806	5970	3470	5970
40°	7546	5746	3315	5746
45°	5598	5444	3163	5444
50°	4464	5129	3033	5129
55°	3788	4738	2917	4738
60°	3273	4389	2731	4389
65°	2916	4010	2350	4010
70°	2564	3675	2143	3675
75°	2218	3182	2011	3182
80°	1681	2678	1681	2678
85°	1401	2104	1586	2104



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.1	1.6
10°-20°	281.6	4.7
20°-30°	446.5	7.4
30°-40°	538.4	8.9
40°-50°	480.8	8.0
50°-60°	368.7	6.1
60°-70°	239.6	4.0
70°-80°	116.5	1.9
80°-90°	30.4	0.5
90°-100°	330.9	5.5
100°-110°	711.4	11.8
110°-120°	667.6	11.1
120°-130°	541.1	9.0
130°-140°	434.2	7.2
140°-150°	327.7	5.4
150°-160°	230.6	3.8
160°-170°	136.0	2.3
170°-180°	44.2	0.7
0°-30°	824.2	13.7
0°-40°	1362.6	22.6
0°-60°	2212.2	36.7
0°-90°	2598.6	43.1
90°-120°	1710.0	28.4
90°-150°	3013.0	50.0
90°-180°	3424.0	56.9
0°-180°	6022.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1002	1002	1002	1002	1002	
5°	1148	1000	883	1000	1148	115
15°	1380	954	671	954	1380	395
25°	1652	870	540	870	1652	758
35°	1371	757	440	757	1371	828
45°	613	596	346	596	613	489
55°	336	421	259	421	336	305
65°	191	262	154	262	191	190
75°	89	128	81	128	89	95
85°	19	28	21	28	19	22
90°	21	1	21	1	21	15
95°	216	30	216	30	216	306
105°	1220	104	1220	104	1220	1212
115°	1359	186	1359	186	1359	1327
125°	1071	258	1071	258	1071	969
135°	889	302	889	302	889	689
145°	701	352	701	352	701	446
155°	588	401	588	401	588	274
165°	516	438	516	438	516	147
175°	463	456	463	456	463	45
180°	456	456	456	456	456	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1054.0	1053.4	1054.7	1051.1	1051.4	1045.8	1045.8	1041.5	1035.9	1031.7	1029.7
5°	1148.4	1149.3	1147.6	1141.5	1137.3	1131.2	1124.2	1111.8	1101.5	1091.7	1083.9
7.5°	1245.7	1246.3	1240.9	1239.0	1228.6	1221.0	1205.5	1188.7	1173.8	1154.8	1140.4
10°	1302.3	1301.9	1296.2	1291.6	1282.5	1271.1	1255.8	1236.0	1217.6	1197.0	1177.3
12.5°	1335.2	1334.1	1332.3	1326.8	1318.4	1308.2	1295.3	1275.9	1253.1	1230.6	1207.5
15°	1379.7	1376.7	1371.4	1364.4	1352.5	1340.5	1326.2	1308.9	1287.1	1261.6	1240.2
17.5°	1434.6	1434.6	1426.5	1416.7	1400.5	1379.5	1357.2	1329.4	1299.7	1271.7	1248.9
20°	1480.0	1478.8	1470.5	1451.6	1433.1	1406.8	1381.2	1347.1	1310.9	1274.3	1245.9
22.5°	1545.2	1542.0	1533.4	1508.6	1479.9	1446.0	1406.9	1365.2	1321.4	1279.9	1242.7
25°	1651.9	1649.5	1632.6	1603.9	1563.5	1511.2	1460.2	1403.1	1340.1	1285.5	1240.2
27.5°	1725.0	1722.3	1709.8	1685.8	1648.7	1593.7	1524.6	1448.3	1369.7	1294.4	1229.2
30°	1717.8	1723.9	1722.3	1711.2	1683.2	1633.9	1570.1	1484.2	1390.8	1302.3	1224.6
32.5°	1614.4	1619.9	1634.4	1656.2	1657.9	1638.2	1590.5	1511.1	1414.4	1313.8	1220.9
35°	1370.6	1378.0	1406.0	1450.0	1507.5	1555.7	1565.6	1522.8	1436.0	1327.8	1215.5
37.5°	1053.7	1094.2	1117.7	1164.0	1251.0	1339.6	1424.7	1456.0	1419.1	1322.1	1206.7
40°	895.1	904.9	946.9	999.2	1072.4	1164.5	1285.9	1373.5	1376.3	1308.9	1192.9
42.5°	766.0	778.6	807.4	849.1	911.8	1003.9	1129.2	1244.8	1298.4	1272.7	1174.8
45°	612.9	622.3	643.3	675.4	723.6	799.6	907.4	1041.1	1147.2	1188.7	1126.2
47.5°	503.5	508.6	526.9	551.3	586.9	642.4	725.8	841.9	969.2	1058.4	1049.6
50°	444.3	450.0	464.0	482.5	512.5	559.4	626.1	722.7	854.0	963.0	984.8
52.5°	398.2	403.0	411.7	429.2	453.9	490.0	543.8	631.2	749.3	865.2	915.6
55°	336.4	339.8	346.7	356.6	376.4	402.3	448.8	509.2	604.7	721.5	795.5
57.5°	285.7	287.2	291.8	300.9	314.5	333.4	367.0	418.3	486.7	591.9	673.6
60°	253.4	255.0	260.8	267.0	277.7	294.9	321.2	357.0	422.9	509.6	592.3
62.5°	227.8	228.7	231.2	237.3	246.7	260.1	280.7	310.0	362.3	438.6	516.7
65°	190.8	191.3	192.1	197.0	202.8	212.7	226.2	246.8	286.3	343.9	413.0
67.5°	155.5	156.1	158.9	160.7	166.7	171.8	179.8	195.6	223.4	262.2	315.9
70°	135.8	135.3	138.2	140.3	142.4	148.5	153.8	166.6	183.9	213.5	258.3
72.5°	117.3	116.2	117.5	118.2	121.0	125.2	130.5	138.3	151.6	172.0	206.4
75°	88.9	89.3	89.3	90.1	92.1	93.8	95.5	99.6	106.9	120.5	139.0
77.5°	62.3	61.7	63.5	63.7	64.9	66.7	68.1	69.8	72.8	78.4	87.9
80°	45.2	45.2	45.6	46.9	46.5	47.3	49.4	51.0	54.7	58.0	61.3
82.5°	34.7	34.4	34.8	35.0	34.9	35.8	36.5	36.8	38.3	39.9	42.2
85°	18.9	18.9	19.3	19.3	19.7	19.7	20.1	20.1	20.1	20.6	21.0
87.5°	11.5	11.2	10.6	10.6	10.9	11.2	10.8	10.2	10.1	9.8	9.8
90°	21.2	21.2	20.3	20.3	20.3	18.4	17.5	16.6	15.7	14.7	12.9
92.5°	58.7	60.2	61.5	63.7	75.5	89.1	118.4	163.1	240.3	296.8	301.6
95°	216.3	231.1	238.4	266.0	331.4	408.7	521.9	661.8	798.0	815.6	665.5
97.5°	522.8	534.6	561.3	612.8	669.7	777.3	887.6	985.6	1009.8	870.9	594.3
100°	718.0	732.7	766.8	833.1	896.5	992.3	1087.1	1132.2	1061.3	831.2	530.2
102.5°	936.0	947.0	984.0	1031.1	1099.1	1163.9	1209.3	1181.5	1030.4	761.2	481.6
105°	1219.6	1230.7	1249.1	1279.5	1308.9	1319.1	1278.6	1152.5	931.5	667.3	434.4
107.5°	1370.2	1377.6	1383.7	1383.9	1369.0	1320.9	1216.9	1048.6	830.7	602.7	414.5
110°	1420.3	1420.3	1413.9	1396.4	1354.9	1276.7	1146.9	972.0	773.2	572.5	408.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1414.4	1407.8	1391.8	1361.8	1301.2	1208.9	1077.7	911.6	730.5	554.8	408.7
115°	1358.6	1346.6	1320.9	1276.7	1204.9	1104.5	978.5	835.8	683.9	535.8	411.5
117.5°	1260.8	1253.5	1228.0	1182.3	1110.5	1018.4	909.8	786.8	656.1	526.3	417.6
120°	1197.5	1190.2	1165.3	1121.2	1053.0	972.0	870.8	760.3	640.6	521.9	423.4
122.5°	1141.6	1135.0	1110.1	1069.6	1008.8	933.0	842.8	740.5	627.4	518.2	428.6
125°	1070.6	1061.3	1041.1	1003.3	951.8	885.5	805.4	711.5	609.3	513.7	437.2
127.5°	1009.8	1005.8	986.6	953.2	906.5	844.5	769.7	682.1	592.8	511.4	446.9
130°	976.6	971.1	952.7	922.3	876.3	816.5	744.7	663.7	581.8	509.9	452.9
132.5°	943.5	937.2	920.3	889.9	843.9	786.2	721.1	645.2	572.9	509.9	459.5
135°	889.2	883.7	867.1	836.7	796.2	743.8	684.8	621.3	562.4	509.9	468.5
137.5°	831.2	825.1	809.8	782.2	746.0	701.4	652.4	601.1	553.0	511.0	476.8
140°	790.7	786.1	772.3	748.4	714.3	675.7	633.3	590.0	548.6	511.7	480.5
142.5°	753.1	749.2	736.2	716.0	687.1	653.6	617.1	580.4	544.9	512.5	482.7
145°	701.4	697.8	687.6	671.9	649.8	625.0	596.4	567.9	539.4	511.7	485.1
147.5°	657.6	655.9	650.1	637.5	620.0	601.3	579.3	556.2	533.7	509.4	486.0
150°	633.3	632.4	628.7	617.7	603.8	587.2	569.8	549.5	529.3	507.2	486.0
152.5°	614.2	613.2	609.5	600.7	589.1	576.2	560.2	542.2	524.1	504.2	485.3
155°	588.2	587.2	584.5	578.1	568.9	558.7	545.8	531.1	515.5	498.9	483.2
157.5°	565.0	565.1	562.6	557.2	550.1	542.2	532.2	520.1	507.4	493.4	480.9
160°	549.5	550.5	548.6	544.0	537.6	531.1	521.9	512.7	500.7	489.7	478.6
162.5°	535.5	535.8	535.4	531.5	526.5	520.8	513.1	504.6	494.9	485.3	476.4
165°	515.5	515.5	515.5	513.7	509.9	505.3	499.8	493.4	486.0	478.6	473.1
167.5°	497.1	497.3	498.0	496.3	494.5	491.2	487.0	482.7	477.4	472.2	467.9
170°	486.0	487.0	487.0	486.0	484.2	482.4	479.6	476.8	472.2	468.5	465.8
172.5°	475.7	476.7	478.1	476.4	476.1	475.0	472.9	470.2	467.1	464.1	462.8
175°	463.0	463.9	465.8	464.9	464.9	464.9	463.0	463.0	460.3	459.3	459.3
177.5°	456.5	456.5	458.8	458.0	458.8	458.8	458.8	458.0	457.3	456.5	456.5
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1029.7	1027.4	1023.1	1019.1	1014.2	1010.0	1006.9	1003.4	998.7	993.2	988.6
5°	1075.2	1066.2	1054.2	1044.0	1030.8	1020.6	1009.9	999.6	989.3	976.1	964.6
7.5°	1125.8	1107.1	1088.9	1066.0	1045.3	1026.7	1009.0	991.0	973.4	954.7	936.7
10°	1156.7	1134.1	1109.0	1080.1	1053.8	1028.7	1005.8	983.1	959.3	938.3	915.6
12.5°	1185.7	1156.4	1127.8	1091.4	1059.8	1029.1	999.8	971.6	946.1	918.9	894.6
15°	1211.8	1183.0	1151.0	1106.5	1062.5	1025.5	990.9	954.3	922.7	892.2	865.1
17.5°	1221.9	1191.8	1154.4	1111.7	1063.7	1017.1	972.6	932.4	895.2	859.7	829.2
20°	1218.0	1188.7	1150.5	1109.8	1058.4	1009.9	961.7	917.3	875.8	838.3	805.8
22.5°	1208.4	1178.2	1141.3	1098.3	1049.5	998.0	946.6	899.2	855.6	816.9	781.5
25°	1194.1	1153.0	1115.2	1073.2	1026.7	975.7	922.7	870.4	823.9	784.4	745.8
27.5°	1179.2	1127.9	1079.7	1038.1	989.0	943.4	892.3	838.7	789.9	749.6	710.0
30°	1165.8	1108.2	1055.1	1007.8	961.3	918.1	869.6	817.3	767.1	725.6	685.3
32.5°	1149.0	1087.7	1029.4	974.9	930.0	887.2	843.3	793.3	744.4	701.6	660.6
35°	1127.9	1049.7	986.4	928.4	878.6	837.1	797.6	757.2	708.3	663.9	624.0
37.5°	1100.3	1011.5	938.3	875.1	822.6	780.9	749.7	712.9	668.2	625.7	588.6
40°	1083.5	983.9	903.7	841.2	786.1	742.0	712.9	681.6	640.9	600.9	564.0
42.5°	1061.1	958.6	868.9	803.7	748.2	705.8	676.3	649.0	614.9	577.3	537.7
45°	1017.2	909.5	815.3	745.4	689.4	647.8	620.3	596.0	570.1	535.6	501.0
47.5°	960.1	858.3	759.6	683.3	628.5	589.9	563.2	544.1	525.5	496.1	462.6
50°	914.4	816.1	719.9	645.8	587.4	550.8	525.7	510.5	493.6	466.8	438.9
52.5°	860.5	772.7	678.3	602.7	547.6	513.3	489.2	474.0	460.0	438.2	411.6
55°	775.4	698.5	612.0	543.4	492.8	458.2	435.2	420.8	412.6	394.0	373.1
57.5°	677.2	622.1	545.9	479.7	435.0	400.8	384.0	371.7	362.4	349.3	334.5
60°	608.8	570.1	501.8	438.9	397.8	365.3	350.1	339.8	331.1	320.0	308.5
62.5°	539.3	511.2	451.8	397.8	359.9	332.7	318.5	309.2	299.2	291.8	280.5
65°	446.3	421.2	380.1	337.7	302.8	280.9	270.7	262.4	256.3	248.0	240.2
67.5°	347.1	337.0	308.6	279.4	254.3	234.9	226.0	220.2	212.9	207.9	202.6
70°	286.3	281.4	261.2	241.9	218.4	205.3	197.0	194.6	185.5	180.6	176.9
72.5°	232.3	230.0	218.4	205.0	188.5	177.0	169.4	166.6	160.8	156.9	154.5
75°	159.1	160.0	158.0	149.3	143.1	135.8	129.1	127.5	123.4	120.1	118.0
77.5°	100.7	104.9	105.0	104.6	102.2	97.7	94.9	93.7	89.7	88.4	87.9
80°	69.1	73.6	77.7	77.3	76.5	75.3	73.2	72.0	69.9	68.7	67.9
82.5°	46.1	50.3	53.7	55.9	55.8	54.6	53.2	52.6	52.1	51.3	51.1
85°	21.8	22.7	23.8	26.8	28.8	29.2	28.8	28.4	27.2	27.6	28.0
87.5°	10.0	9.6	9.7	9.3	8.6	10.0	10.5	10.7	10.2	10.0	9.7
90°	12.0	10.1	9.2	7.4	5.5	3.6	1.8	1.0	1.8	3.6	5.5
92.5°	210.1	125.7	75.5	48.6	32.8	21.4	13.6	11.2	13.6	21.4	32.8
95°	411.5	209.0	110.4	69.0	48.8	38.7	31.3	30.3	31.3	38.7	48.8
97.5°	328.4	180.1	114.9	85.1	66.9	56.7	51.6	50.5	51.6	56.7	66.9
100°	298.3	178.6	125.2	97.6	80.1	69.9	66.3	64.4	66.3	69.9	80.1
102.5°	285.7	185.2	137.7	110.8	94.8	84.0	81.0	79.9	81.0	84.0	94.8
105°	280.7	198.8	158.4	132.5	117.8	108.6	104.0	104.0	104.0	108.6	117.8
107.5°	289.2	219.0	179.8	156.7	141.4	133.8	129.4	127.5	129.4	133.8	141.4
110°	297.3	233.8	196.1	172.1	158.4	150.0	146.4	144.5	146.4	150.0	158.4





TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	307.6	247.8	211.5	188.3	174.5	166.2	163.3	161.4	163.3	166.2	174.5
115°	323.1	269.7	235.7	212.6	198.8	190.5	187.7	185.9	187.7	190.5	198.8
117.5°	340.8	292.2	259.9	237.7	222.0	213.7	210.8	208.0	210.8	213.7	222.0
120°	352.5	308.4	276.2	253.1	237.5	229.2	225.5	222.8	225.5	229.2	237.5
122.5°	365.8	323.8	291.6	268.6	251.4	243.2	240.3	238.2	240.3	243.2	251.4
125°	383.8	344.3	313.9	289.9	272.4	264.2	259.6	257.7	259.6	264.2	272.4
127.5°	400.4	363.9	334.7	310.8	292.2	281.7	275.8	273.0	275.8	281.7	292.2
130°	411.5	376.4	347.9	324.0	304.7	292.7	285.3	282.6	285.3	292.7	304.7
132.5°	421.0	388.2	359.7	335.8	315.8	302.3	293.4	289.9	293.4	302.3	315.8
135°	434.4	404.1	375.6	350.7	331.4	316.6	305.6	301.9	305.6	316.6	331.4
137.5°	444.4	415.3	389.4	363.8	344.8	330.1	319.8	317.0	319.8	330.1	344.8
140°	451.1	423.4	396.7	371.9	354.4	339.7	328.6	325.8	328.6	339.7	354.4
142.5°	454.7	428.6	403.4	380.0	363.2	348.5	338.2	336.1	338.2	348.5	363.2
145°	460.3	437.2	413.3	392.1	375.6	362.7	353.5	351.6	353.5	362.7	375.6
147.5°	463.6	442.8	421.8	403.1	388.8	376.8	368.9	367.8	368.9	376.8	388.8
150°	465.8	446.4	426.2	410.5	397.7	385.7	379.2	377.4	379.2	385.7	397.7
152.5°	467.2	450.1	431.3	417.2	405.0	394.5	388.8	387.7	388.8	394.5	405.0
155°	468.5	453.8	438.2	425.2	416.1	406.9	401.3	401.3	401.3	406.9	416.1
157.5°	469.4	456.9	443.5	433.7	425.6	417.7	413.3	413.5	413.3	417.7	425.6
160°	469.4	458.4	446.4	438.2	430.8	424.4	420.6	421.6	420.6	424.4	430.8
162.5°	468.7	459.9	449.4	442.6	436.7	430.9	427.3	428.2	427.3	430.9	436.7
165°	467.6	460.3	452.9	447.3	443.7	439.1	436.3	438.2	436.3	439.1	443.7
167.5°	465.4	460.3	454.2	450.7	448.1	445.5	443.9	444.8	443.9	445.5	448.1
170°	463.9	460.3	455.7	452.9	451.1	449.2	448.3	449.2	448.3	449.2	451.1
172.5°	462.5	459.5	455.7	454.3	453.2	451.4	450.5	452.2	450.5	451.4	453.2
175°	460.3	458.4	455.7	455.7	455.7	454.7	453.8	455.7	453.8	454.7	455.7
177.5°	458.0	457.3	455.8	455.8	456.5	455.8	455.8	457.3	455.8	455.8	456.5
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	985.2	980.6	977.3	970.7	966.1	964.2	960.6	959.6	963.2	960.6	960.2
5°	955.9	944.0	934.5	925.1	914.8	908.2	898.3	896.8	894.2	890.6	889.7
7.5°	920.8	905.3	893.1	877.5	863.9	852.9	840.6	834.8	831.6	826.8	820.4
10°	897.1	878.6	862.1	846.5	829.7	816.1	803.7	794.3	788.1	782.4	779.9
12.5°	873.8	854.9	833.9	814.9	796.1	780.9	767.2	761.0	754.2	747.5	741.7
15°	837.5	812.4	789.3	767.5	751.5	735.1	721.9	712.9	702.6	699.7	688.6
17.5°	799.0	774.4	747.4	724.5	705.8	687.8	673.3	663.0	655.3	644.7	639.5
20°	775.0	745.8	719.5	698.5	677.9	656.5	641.7	633.0	625.7	617.0	612.9
22.5°	749.3	720.7	693.8	669.2	648.2	627.2	616.7	607.7	599.3	591.4	585.9
25°	711.6	682.9	654.4	628.9	607.1	591.9	579.6	569.3	564.7	557.0	551.2
27.5°	674.4	643.7	614.3	588.9	571.8	556.7	546.6	538.4	530.3	523.5	518.5
30°	650.3	619.1	587.0	566.8	548.7	534.3	523.2	515.4	509.2	503.0	499.4
32.5°	626.3	594.1	565.6	543.8	526.6	514.3	502.8	495.4	488.9	482.0	477.7
35°	587.8	554.9	531.9	510.5	493.6	482.1	474.3	463.6	458.2	453.3	448.8
37.5°	552.0	521.4	496.5	477.8	463.1	451.6	441.6	435.8	429.2	424.8	421.0
40°	525.7	497.7	475.1	455.3	444.7	431.9	422.5	415.0	410.1	404.3	400.2
42.5°	502.0	476.0	454.0	436.3	422.9	412.2	403.1	395.6	389.4	385.2	381.8
45°	468.5	442.6	421.2	404.7	392.4	382.1	372.6	369.0	360.8	355.8	354.2
47.5°	433.9	410.7	390.1	374.9	362.3	352.5	343.6	336.0	331.5	326.7	324.1
50°	410.5	388.3	369.0	354.2	341.8	331.1	322.9	318.0	311.8	307.3	304.0
52.5°	387.1	366.6	347.3	333.1	322.4	311.7	302.5	297.5	291.8	288.8	286.5
55°	353.8	331.9	315.5	301.5	290.4	280.5	271.9	267.0	263.2	260.4	259.5
57.5°	315.9	298.7	283.4	270.8	259.2	249.9	242.3	237.7	234.4	233.9	231.5
60°	291.2	275.6	261.6	248.0	238.1	229.5	222.9	217.6	214.3	213.9	213.1
62.5°	266.6	251.6	238.6	226.6	217.8	209.5	203.2	197.2	195.2	193.1	191.4
65°	230.0	216.3	205.7	196.2	186.7	179.7	173.6	169.8	165.3	162.9	158.4
67.5°	194.0	183.5	173.2	165.2	157.8	151.1	146.0	140.5	137.4	135.5	132.2
70°	170.3	162.1	151.8	143.1	137.4	132.1	127.9	121.8	119.7	118.0	116.4
72.5°	147.9	140.7	132.1	125.1	119.3	114.2	109.5	106.6	104.6	102.9	102.0
75°	116.4	109.4	102.0	97.0	93.0	88.9	86.3	84.3	83.5	83.1	81.4
77.5°	85.5	81.8	75.8	71.9	69.2	67.6	65.4	64.2	64.2	62.3	61.8
80°	65.4	63.4	58.4	56.8	54.7	53.1	51.8	49.7	47.7	46.9	45.6
82.5°	48.6	46.6	44.6	42.0	40.2	39.2	38.0	37.2	37.5	36.4	35.8
85°	25.9	23.8	23.1	22.7	21.8	22.7	22.2	21.8	21.4	21.0	21.4
87.5°	9.7	10.1	9.9	10.9	10.1	10.9	11.0	10.9	11.1	11.2	11.3
90°	7.4	9.2	10.1	12.0	12.9	14.7	15.7	16.6	17.5	18.4	20.3
92.5°	48.6	75.5	125.7	210.1	301.6	296.8	240.3	163.1	118.4	89.1	75.5
95°	69.0	110.4	209.0	411.5	665.5	815.6	798.0	661.8	521.9	408.7	331.4
97.5°	85.1	114.9	180.1	328.4	594.3	870.9	1009.8	985.6	887.6	777.3	669.7
100°	97.6	125.2	178.6	298.3	530.2	831.2	1061.3	1132.2	1087.1	992.3	896.5
102.5°	110.8	137.7	185.2	285.7	481.6	761.2	1030.4	1181.5	1209.3	1163.9	1099.1
105°	132.5	158.4	198.8	280.7	434.4	667.3	931.5	1152.5	1278.6	1319.1	1308.9
107.5°	156.7	179.8	219.0	289.2	414.5	602.7	830.7	1048.6	1216.9	1320.9	1369.0
110°	172.1	196.1	233.8	297.3	408.7	572.5	773.2	972.0	1146.9	1276.7	1354.9



TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	188.3	211.5	247.8	307.6	408.7	554.8	730.5	911.6	1077.7	1208.9	1301.2
115°	212.6	235.7	269.7	323.1	411.5	535.8	683.9	835.8	978.5	1104.5	1204.9
117.5°	237.7	259.9	292.2	340.8	417.6	526.3	656.1	786.8	909.8	1018.4	1110.5
120°	253.1	276.2	308.4	352.5	423.4	521.9	640.6	760.3	870.8	972.0	1053.0
122.5°	268.6	291.6	323.8	365.8	428.6	518.2	627.4	740.5	842.8	933.0	1008.8
125°	289.9	313.9	344.3	383.8	437.2	513.7	609.3	711.5	805.4	885.5	951.8
127.5°	310.8	334.7	363.9	400.4	446.9	511.4	592.8	682.1	769.7	844.5	906.5
130°	324.0	347.9	376.4	411.5	452.9	509.9	581.8	663.7	744.7	816.5	876.3
132.5°	335.8	359.7	388.2	421.0	459.5	509.9	572.9	645.2	721.1	786.2	843.9
135°	350.7	375.6	404.1	434.4	468.5	509.9	562.4	621.3	684.8	743.8	796.2
137.5°	363.8	389.4	415.3	444.4	476.8	511.0	553.0	601.1	652.4	701.4	746.0
140°	371.9	396.7	423.4	451.1	480.5	511.7	548.6	590.0	633.3	675.7	714.3
142.5°	380.0	403.4	428.6	454.7	482.7	512.5	544.9	580.4	617.1	653.6	687.1
145°	392.1	413.3	437.2	460.3	485.1	511.7	539.4	567.9	596.4	625.0	649.8
147.5°	403.1	421.8	442.8	463.6	486.0	509.4	533.7	556.2	579.3	601.3	620.0
150°	410.5	426.2	446.4	465.8	486.0	507.2	529.3	549.5	569.8	587.2	603.8
152.5°	417.2	431.3	450.1	467.2	485.3	504.2	524.1	542.2	560.2	576.2	589.1
155°	425.2	438.2	453.8	468.5	483.2	498.9	515.5	531.1	545.8	558.7	568.9
157.5°	433.7	443.5	456.9	469.4	480.9	493.4	507.4	520.1	532.2	542.2	550.1
160°	438.2	446.4	458.4	469.4	478.6	489.7	500.7	512.7	521.9	531.1	537.6
162.5°	442.6	449.4	459.9	468.7	476.4	485.3	494.9	504.6	513.1	520.8	526.5
165°	447.3	452.9	460.3	467.6	473.1	478.6	486.0	493.4	499.8	505.3	509.9
167.5°	450.7	454.2	460.3	465.4	467.9	472.2	477.4	482.7	487.0	491.2	494.5
170°	452.9	455.7	460.3	463.9	465.8	468.5	472.2	476.8	479.6	482.4	484.2
172.5°	454.3	455.7	459.5	462.5	462.8	464.1	467.1	470.2	472.9	475.0	476.1
175°	455.7	455.7	458.4	460.3	459.3	459.3	460.3	463.0	463.0	464.9	464.9
177.5°	455.8	455.8	457.3	458.0	456.5	456.5	457.3	458.0	458.8	458.8	458.8
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	959.9	956.3	955.3	956.6	955.3	956.3	959.9	960.2	960.6	963.2	959.6
5°	885.6	881.5	883.5	882.7	883.5	881.5	885.6	889.7	890.6	894.2	896.8
7.5°	820.3	815.2	809.8	811.5	809.8	815.2	820.3	820.4	826.8	831.6	834.8
10°	774.5	770.5	767.9	770.0	767.9	770.5	774.5	779.9	782.4	788.1	794.3
12.5°	736.0	733.6	731.4	730.6	731.4	733.6	736.0	741.7	747.5	754.2	761.0
15°	683.7	678.7	676.7	671.3	676.7	678.7	683.7	688.6	699.7	702.6	712.9
17.5°	635.3	633.7	628.4	626.1	628.4	633.7	635.3	639.5	644.7	655.3	663.0
20°	606.7	605.1	599.8	603.0	599.8	605.1	606.7	612.9	617.0	625.7	633.0
22.5°	583.0	579.4	577.7	576.7	577.7	579.4	583.0	585.9	591.4	599.3	607.7
25°	549.5	544.2	542.2	539.7	542.2	544.2	549.5	551.2	557.0	564.7	569.3
27.5°	516.2	513.3	510.6	509.9	510.6	513.3	516.2	518.5	523.5	530.3	538.4
30°	494.4	491.5	489.5	489.5	489.5	491.5	494.4	499.4	503.0	509.2	515.4
32.5°	475.0	472.8	470.7	470.4	470.7	472.8	475.0	477.7	482.0	488.9	495.4
35°	446.7	443.5	442.6	440.1	442.6	443.5	446.7	448.8	453.3	458.2	463.6
37.5°	417.3	414.6	414.5	414.3	414.5	414.6	417.3	421.0	424.8	429.2	435.8
40°	398.6	396.6	396.1	393.2	396.1	396.6	398.6	400.2	404.3	410.1	415.0
42.5°	378.5	377.5	376.0	374.8	376.0	377.5	378.5	381.8	385.2	389.4	395.6
45°	351.3	348.4	348.4	346.3	348.4	348.4	351.3	354.2	355.8	360.8	369.0
47.5°	323.1	320.9	321.2	319.0	321.2	320.9	323.1	324.1	326.7	331.5	336.0
50°	304.4	303.2	302.8	301.9	302.8	303.2	304.4	304.0	307.3	311.8	318.0
52.5°	285.7	285.0	286.6	284.8	286.6	285.0	285.7	286.5	288.8	291.8	297.5
55°	260.4	259.1	261.6	259.1	261.6	259.1	260.4	259.5	260.4	263.2	267.0
57.5°	231.3	230.2	232.4	231.2	232.4	230.2	231.3	231.5	233.9	234.4	237.7
60°	212.2	209.8	211.0	211.4	211.0	209.8	212.2	213.1	213.9	214.3	217.6
62.5°	189.6	188.1	188.9	187.1	188.9	188.1	189.6	191.4	193.1	195.2	197.2
65°	157.6	156.3	154.6	153.8	154.6	156.3	157.6	158.4	162.9	165.3	169.8
67.5°	132.4	129.4	129.4	130.0	129.4	129.4	132.4	132.2	135.5	137.4	140.5
70°	113.9	113.9	113.5	113.5	113.5	113.9	113.9	116.4	118.0	119.7	121.8
72.5°	101.1	100.8	100.1	99.7	100.1	100.8	101.1	102.0	102.9	104.6	106.6
75°	81.4	81.8	81.0	80.6	81.0	81.8	81.4	81.4	83.1	83.5	84.3
77.5°	60.1	58.4	59.3	58.4	59.3	58.4	60.1	61.8	62.3	64.2	64.2
80°	45.6	45.2	46.5	45.2	46.5	45.2	45.6	45.6	46.9	47.7	49.7
82.5°	36.1	35.7	36.3	35.4	36.3	35.7	36.1	35.8	36.4	37.5	37.2
85°	21.8	21.4	21.0	21.4	21.0	21.4	21.8	21.4	21.0	21.4	21.8
87.5°	11.6	11.3	11.5	11.5	11.5	11.3	11.6	11.3	11.2	11.1	10.9
90°	20.3	20.3	21.2	21.2	21.2	20.3	20.3	20.3	18.4	17.5	16.6
92.5°	63.7	61.5	60.2	58.7	60.2	61.5	63.7	75.5	89.1	118.4	163.1
95°	266.0	238.4	231.1	216.3	231.1	238.4	266.0	331.4	408.7	521.9	661.8
97.5°	612.8	561.3	534.6	522.8	534.6	561.3	612.8	669.7	777.3	887.6	985.6
100°	833.1	766.8	732.7	718.0	732.7	766.8	833.1	896.5	992.3	1087.1	1132.2
102.5°	1031.1	984.0	947.0	936.0	947.0	984.0	1031.1	1099.1	1163.9	1209.3	1181.5
105°	1279.5	1249.1	1230.7	1219.6	1230.7	1249.1	1279.5	1308.9	1319.1	1278.6	1152.5
107.5°	1383.9	1383.7	1377.6	1370.2	1377.6	1383.7	1383.9	1369.0	1320.9	1216.9	1048.6
110°	1396.4	1413.9	1420.3	1420.3	1420.3	1413.9	1396.4	1354.9	1276.7	1146.9	972.0



TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1361.8	1391.8	1407.8	1414.4	1407.8	1391.8	1361.8	1301.2	1208.9	1077.7	911.6
115°	1276.7	1320.9	1346.6	1358.6	1346.6	1320.9	1276.7	1204.9	1104.5	978.5	835.8
117.5°	1182.3	1228.0	1253.5	1260.8	1253.5	1228.0	1182.3	1110.5	1018.4	909.8	786.8
120°	1121.2	1165.3	1190.2	1197.5	1190.2	1165.3	1121.2	1053.0	972.0	870.8	760.3
122.5°	1069.6	1110.1	1135.0	1141.6	1135.0	1110.1	1069.6	1008.8	933.0	842.8	740.5
125°	1003.3	1041.1	1061.3	1070.6	1061.3	1041.1	1003.3	951.8	885.5	805.4	711.5
127.5°	953.2	986.6	1005.8	1009.8	1005.8	986.6	953.2	906.5	844.5	769.7	682.1
130°	922.3	952.7	971.1	976.6	971.1	952.7	922.3	876.3	816.5	744.7	663.7
132.5°	889.9	920.3	937.2	943.5	937.2	920.3	889.9	843.9	786.2	721.1	645.2
135°	836.7	867.1	883.7	889.2	883.7	867.1	836.7	796.2	743.8	684.8	621.3
137.5°	782.2	809.8	825.1	831.2	825.1	809.8	782.2	746.0	701.4	652.4	601.1
140°	748.4	772.3	786.1	790.7	786.1	772.3	748.4	714.3	675.7	633.3	590.0
142.5°	716.0	736.2	749.2	753.1	749.2	736.2	716.0	687.1	653.6	617.1	580.4
145°	671.9	687.6	697.8	701.4	697.8	687.6	671.9	649.8	625.0	596.4	567.9
147.5°	637.5	650.1	655.9	657.6	655.9	650.1	637.5	620.0	601.3	579.3	556.2
150°	617.7	628.7	632.4	633.3	632.4	628.7	617.7	603.8	587.2	569.8	549.5
152.5°	600.7	609.5	613.2	614.2	613.2	609.5	600.7	589.1	576.2	560.2	542.2
155°	578.1	584.5	587.2	588.2	587.2	584.5	578.1	568.9	558.7	545.8	531.1
157.5°	557.2	562.6	565.1	565.0	565.1	562.6	557.2	550.1	542.2	532.2	520.1
160°	544.0	548.6	550.5	549.5	550.5	548.6	544.0	537.6	531.1	521.9	512.7
162.5°	531.5	535.4	535.8	535.5	535.8	535.4	531.5	526.5	520.8	513.1	504.6
165°	513.7	515.5	515.5	515.5	515.5	515.5	513.7	509.9	505.3	499.8	493.4
167.5°	496.3	498.0	497.3	497.1	497.3	498.0	496.3	494.5	491.2	487.0	482.7
170°	486.0	487.0	487.0	486.0	487.0	487.0	486.0	484.2	482.4	479.6	476.8
172.5°	476.4	478.1	476.7	475.7	476.7	478.1	476.4	476.1	475.0	472.9	470.2
175°	464.9	465.8	463.9	463.0	463.9	465.8	464.9	464.9	464.9	463.0	463.0
177.5°	458.0	458.8	456.5	456.5	456.5	458.8	458.0	458.8	458.8	458.8	458.0
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	960.6	964.2	966.1	970.7	977.3	980.6	985.2	988.6	993.2	998.7	1003.4
5°	898.3	908.2	914.8	925.1	934.5	944.0	955.9	964.6	976.1	989.3	999.6
7.5°	840.6	852.9	863.9	877.5	893.1	905.3	920.8	936.7	954.7	973.4	991.0
10°	803.7	816.1	829.7	846.5	862.1	878.6	897.1	915.6	938.3	959.3	983.1
12.5°	767.2	780.9	796.1	814.9	833.9	854.9	873.8	894.6	918.9	946.1	971.6
15°	721.9	735.1	751.5	767.5	789.3	812.4	837.5	865.1	892.2	922.7	954.3
17.5°	673.3	687.8	705.8	724.5	747.4	774.4	799.0	829.2	859.7	895.2	932.4
20°	641.7	656.5	677.9	698.5	719.5	745.8	775.0	805.8	838.3	875.8	917.3
22.5°	616.7	627.2	648.2	669.2	693.8	720.7	749.3	781.5	816.9	855.6	899.2
25°	579.6	591.9	607.1	628.9	654.4	682.9	711.6	745.8	784.4	823.9	870.4
27.5°	546.6	556.7	571.8	588.9	614.3	643.7	674.4	710.0	749.6	789.9	838.7
30°	523.2	534.3	548.7	566.8	587.0	619.1	650.3	685.3	725.6	767.1	817.3
32.5°	502.8	514.3	526.6	543.8	565.6	594.1	626.3	660.6	701.6	744.4	793.3
35°	474.3	482.1	493.6	510.5	531.9	554.9	587.8	624.0	663.9	708.3	757.2
37.5°	441.6	451.6	463.1	477.8	496.5	521.4	552.0	588.6	625.7	668.2	712.9
40°	422.5	431.9	444.7	455.3	475.1	497.7	525.7	564.0	600.9	640.9	681.6
42.5°	403.1	412.2	422.9	436.3	454.0	476.0	502.0	537.7	577.3	614.9	649.0
45°	372.6	382.1	392.4	404.7	421.2	442.6	468.5	501.0	535.6	570.1	596.0
47.5°	343.6	352.5	362.3	374.9	390.1	410.7	433.9	462.6	496.1	525.5	544.1
50°	322.9	331.1	341.8	354.2	369.0	388.3	410.5	438.9	466.8	493.6	510.5
52.5°	302.5	311.7	322.4	333.1	347.3	366.6	387.1	411.6	438.2	460.0	474.0
55°	271.9	280.5	290.4	301.5	315.5	331.9	353.8	373.1	394.0	412.6	420.8
57.5°	242.3	249.9	259.2	270.8	283.4	298.7	315.9	334.5	349.3	362.4	371.7
60°	222.9	229.5	238.1	248.0	261.6	275.6	291.2	308.5	320.0	331.1	339.8
62.5°	203.2	209.5	217.8	226.6	238.6	251.6	266.6	280.5	291.8	299.2	309.2
65°	173.6	179.7	186.7	196.2	205.7	216.3	230.0	240.2	248.0	256.3	262.4
67.5°	146.0	151.1	157.8	165.2	173.2	183.5	194.0	202.6	207.9	212.9	220.2
70°	127.9	132.1	137.4	143.1	151.8	162.1	170.3	176.9	180.6	185.5	194.6
72.5°	109.5	114.2	119.3	125.1	132.1	140.7	147.9	154.5	156.9	160.8	166.6
75°	86.3	88.9	93.0	97.0	102.0	109.4	116.4	118.0	120.1	123.4	127.5
77.5°	65.4	67.6	69.2	71.9	75.8	81.8	85.5	87.9	88.4	89.7	93.7
80°	51.8	53.1	54.7	56.8	58.4	63.4	65.4	67.9	68.7	69.9	72.0
82.5°	38.0	39.2	40.2	42.0	44.6	46.6	48.6	51.1	51.3	52.1	52.6
85°	22.2	22.7	21.8	22.7	23.1	23.8	25.9	28.0	27.6	27.2	28.4
87.5°	11.0	10.9	10.1	10.9	9.9	10.1	9.7	9.7	10.0	10.2	10.7
90°	15.7	14.7	12.9	12.0	10.1	9.2	7.4	5.5	3.6	1.8	1.0
92.5°	240.3	296.8	301.6	210.1	125.7	75.5	48.6	32.8	21.4	13.6	11.2
95°	798.0	815.6	665.5	411.5	209.0	110.4	69.0	48.8	38.7	31.3	30.3
97.5°	1009.8	870.9	594.3	328.4	180.1	114.9	85.1	66.9	56.7	51.6	50.5
100°	1061.3	831.2	530.2	298.3	178.6	125.2	97.6	80.1	69.9	66.3	64.4
102.5°	1030.4	761.2	481.6	285.7	185.2	137.7	110.8	94.8	84.0	81.0	79.9
105°	931.5	667.3	434.4	280.7	198.8	158.4	132.5	117.8	108.6	104.0	104.0
107.5°	830.7	602.7	414.5	289.2	219.0	179.8	156.7	141.4	133.8	129.4	127.5
110°	773.2	572.5	408.7	297.3	233.8	196.1	172.1	158.4	150.0	146.4	144.5



TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	730.5	554.8	408.7	307.6	247.8	211.5	188.3	174.5	166.2	163.3	161.4
115°	683.9	535.8	411.5	323.1	269.7	235.7	212.6	198.8	190.5	187.7	185.9
117.5°	656.1	526.3	417.6	340.8	292.2	259.9	237.7	222.0	213.7	210.8	208.0
120°	640.6	521.9	423.4	352.5	308.4	276.2	253.1	237.5	229.2	225.5	222.8
122.5°	627.4	518.2	428.6	365.8	323.8	291.6	268.6	251.4	243.2	240.3	238.2
125°	609.3	513.7	437.2	383.8	344.3	313.9	289.9	272.4	264.2	259.6	257.7
127.5°	592.8	511.4	446.9	400.4	363.9	334.7	310.8	292.2	281.7	275.8	273.0
130°	581.8	509.9	452.9	411.5	376.4	347.9	324.0	304.7	292.7	285.3	282.6
132.5°	572.9	509.9	459.5	421.0	388.2	359.7	335.8	315.8	302.3	293.4	289.9
135°	562.4	509.9	468.5	434.4	404.1	375.6	350.7	331.4	316.6	305.6	301.9
137.5°	553.0	511.0	476.8	444.4	415.3	389.4	363.8	344.8	330.1	319.8	317.0
140°	548.6	511.7	480.5	451.1	423.4	396.7	371.9	354.4	339.7	328.6	325.8
142.5°	544.9	512.5	482.7	454.7	428.6	403.4	380.0	363.2	348.5	338.2	336.1
145°	539.4	511.7	485.1	460.3	437.2	413.3	392.1	375.6	362.7	353.5	351.6
147.5°	533.7	509.4	486.0	463.6	442.8	421.8	403.1	388.8	376.8	368.9	367.8
150°	529.3	507.2	486.0	465.8	446.4	426.2	410.5	397.7	385.7	379.2	377.4
152.5°	524.1	504.2	485.3	467.2	450.1	431.3	417.2	405.0	394.5	388.8	387.7
155°	515.5	498.9	483.2	468.5	453.8	438.2	425.2	416.1	406.9	401.3	401.3
157.5°	507.4	493.4	480.9	469.4	456.9	443.5	433.7	425.6	417.7	413.3	413.5
160°	500.7	489.7	478.6	469.4	458.4	446.4	438.2	430.8	424.4	420.6	421.6
162.5°	494.9	485.3	476.4	468.7	459.9	449.4	442.6	436.7	430.9	427.3	428.2
165°	486.0	478.6	473.1	467.6	460.3	452.9	447.3	443.7	439.1	436.3	438.2
167.5°	477.4	472.2	467.9	465.4	460.3	454.2	450.7	448.1	445.5	443.9	444.8
170°	472.2	468.5	465.8	463.9	460.3	455.7	452.9	451.1	449.2	448.3	449.2
172.5°	467.1	464.1	462.8	462.5	459.5	455.7	454.3	453.2	451.4	450.5	452.2
175°	460.3	459.3	459.3	460.3	458.4	455.7	455.7	455.7	454.7	453.8	455.7
177.5°	457.3	456.5	456.5	458.0	457.3	455.8	455.8	456.5	455.8	455.8	457.3
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333576-927

CATALOG NUMBER: S125RDIP-S850D1205U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1006.9	1010.0	1014.2	1019.1	1023.1	1027.4	1029.7	1029.7	1031.7	1035.9	1041.5
5°	1009.9	1020.6	1030.8	1044.0	1054.2	1066.2	1075.2	1083.9	1091.7	1101.5	1111.8
7.5°	1009.0	1026.7	1045.3	1066.0	1088.9	1107.1	1125.8	1140.4	1154.8	1173.8	1188.7
10°	1005.8	1028.7	1053.8	1080.1	1109.0	1134.1	1156.7	1177.3	1197.0	1217.6	1236.0
12.5°	999.8	1029.1	1059.8	1091.4	1127.8	1156.4	1185.7	1207.5	1230.6	1253.1	1275.9
15°	990.9	1025.5	1062.5	1106.5	1151.0	1183.0	1211.8	1240.2	1261.6	1287.1	1308.9
17.5°	972.6	1017.1	1063.7	1111.7	1154.4	1191.8	1221.9	1248.9	1271.7	1299.7	1329.4
20°	961.7	1009.9	1058.4	1109.8	1150.5	1188.7	1218.0	1245.9	1274.3	1310.9	1347.1
22.5°	946.6	998.0	1049.5	1098.3	1141.3	1178.2	1208.4	1242.7	1279.9	1321.4	1365.2
25°	922.7	975.7	1026.7	1073.2	1115.2	1153.0	1194.1	1240.2	1285.5	1340.1	1403.1
27.5°	892.3	943.4	989.0	1038.1	1079.7	1127.9	1179.2	1229.2	1294.4	1369.7	1448.3
30°	869.6	918.1	961.3	1007.8	1055.1	1108.2	1165.8	1224.6	1302.3	1390.8	1484.2
32.5°	843.3	887.2	930.0	974.9	1029.4	1087.7	1149.0	1220.9	1313.8	1414.4	1511.1
35°	797.6	837.1	878.6	928.4	986.4	1049.7	1127.9	1215.5	1327.8	1436.0	1522.8
37.5°	749.7	780.9	822.6	875.1	938.3	1011.5	1100.3	1206.7	1322.1	1419.1	1456.0
40°	712.9	742.0	786.1	841.2	903.7	983.9	1083.5	1192.9	1308.9	1376.3	1373.5
42.5°	676.3	705.8	748.2	803.7	868.9	958.6	1061.1	1174.8	1272.7	1298.4	1244.8
45°	620.3	647.8	689.4	745.4	815.3	909.5	1017.2	1126.2	1188.7	1147.2	1041.1
47.5°	563.2	589.9	628.5	683.3	759.6	858.3	960.1	1049.6	1058.4	969.2	841.9
50°	525.7	550.8	587.4	645.8	719.9	816.1	914.4	984.8	963.0	854.0	722.7
52.5°	489.2	513.3	547.6	602.7	678.3	772.7	860.5	915.6	865.2	749.3	631.2
55°	435.2	458.2	492.8	543.4	612.0	698.5	775.4	795.5	721.5	604.7	509.2
57.5°	384.0	400.8	435.0	479.7	545.9	622.1	677.2	673.6	591.9	486.7	418.3
60°	350.1	365.3	397.8	438.9	501.8	570.1	608.8	592.3	509.6	422.9	357.0
62.5°	318.5	332.7	359.9	397.8	451.8	511.2	539.3	516.7	438.6	362.3	310.0
65°	270.7	280.9	302.8	337.7	380.1	421.2	446.3	413.0	343.9	286.3	246.8
67.5°	226.0	234.9	254.3	279.4	308.6	337.0	347.1	315.9	262.2	223.4	195.6
70°	197.0	205.3	218.4	241.9	261.2	281.4	286.3	258.3	213.5	183.9	166.6
72.5°	169.4	177.0	188.5	205.0	218.4	230.0	232.3	206.4	172.0	151.6	138.3
75°	129.1	135.8	143.1	149.3	158.0	160.0	159.1	139.0	120.5	106.9	99.6
77.5°	94.9	97.7	102.2	104.6	105.0	104.9	100.7	87.9	78.4	72.8	69.8
80°	73.2	75.3	76.5	77.3	77.7	73.6	69.1	61.3	58.0	54.7	51.0
82.5°	53.2	54.6	55.8	55.9	53.7	50.3	46.1	42.2	39.9	38.3	36.8
85°	28.8	29.2	28.8	26.8	23.8	22.7	21.8	21.0	20.6	20.1	20.1
87.5°	10.5	10.0	8.6	9.3	9.7	9.6	10.0	9.8	9.8	10.1	10.2
90°	1.8	3.6	5.5	7.4	9.2	10.1	12.0	12.9	14.7	15.7	16.6
92.5°	13.6	21.4	32.8	48.6	75.5	125.7	210.1	301.6	296.8	240.3	163.1
95°	31.3	38.7	48.8	69.0	110.4	209.0	411.5	665.5	815.6	798.0	661.8
97.5°	51.6	56.7	66.9	85.1	114.9	180.1	328.4	594.3	870.9	1009.8	985.6
100°	66.3	69.9	80.1	97.6	125.2	178.6	298.3	530.2	831.2	1061.3	1132.2
102.5°	81.0	84.0	94.8	110.8	137.7	185.2	285.7	481.6	761.2	1030.4	1181.5
105°	104.0	108.6	117.8	132.5	158.4	198.8	280.7	434.4	667.3	931.5	1152.5
107.5°	129.4	133.8	141.4	156.7	179.8	219.0	289.2	414.5	602.7	830.7	1048.6
110°	146.4	150.0	158.4	172.1	196.1	233.8	297.3	408.7	572.5	773.2	972.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	163.3	166.2	174.5	188.3	211.5	247.8	307.6	408.7	554.8	730.5	911.6
115°	187.7	190.5	198.8	212.6	235.7	269.7	323.1	411.5	535.8	683.9	835.8
117.5°	210.8	213.7	222.0	237.7	259.9	292.2	340.8	417.6	526.3	656.1	786.8
120°	225.5	229.2	237.5	253.1	276.2	308.4	352.5	423.4	521.9	640.6	760.3
122.5°	240.3	243.2	251.4	268.6	291.6	323.8	365.8	428.6	518.2	627.4	740.5
125°	259.6	264.2	272.4	289.9	313.9	344.3	383.8	437.2	513.7	609.3	711.5
127.5°	275.8	281.7	292.2	310.8	334.7	363.9	400.4	446.9	511.4	592.8	682.1
130°	285.3	292.7	304.7	324.0	347.9	376.4	411.5	452.9	509.9	581.8	663.7
132.5°	293.4	302.3	315.8	335.8	359.7	388.2	421.0	459.5	509.9	572.9	645.2
135°	305.6	316.6	331.4	350.7	375.6	404.1	434.4	468.5	509.9	562.4	621.3
137.5°	319.8	330.1	344.8	363.8	389.4	415.3	444.4	476.8	511.0	553.0	601.1
140°	328.6	339.7	354.4	371.9	396.7	423.4	451.1	480.5	511.7	548.6	590.0
142.5°	338.2	348.5	363.2	380.0	403.4	428.6	454.7	482.7	512.5	544.9	580.4
145°	353.5	362.7	375.6	392.1	413.3	437.2	460.3	485.1	511.7	539.4	567.9
147.5°	368.9	376.8	388.8	403.1	421.8	442.8	463.6	486.0	509.4	533.7	556.2
150°	379.2	385.7	397.7	410.5	426.2	446.4	465.8	486.0	507.2	529.3	549.5
152.5°	388.8	394.5	405.0	417.2	431.3	450.1	467.2	485.3	504.2	524.1	542.2
155°	401.3	406.9	416.1	425.2	438.2	453.8	468.5	483.2	498.9	515.5	531.1
157.5°	413.3	417.7	425.6	433.7	443.5	456.9	469.4	480.9	493.4	507.4	520.1
160°	420.6	424.4	430.8	438.2	446.4	458.4	469.4	478.6	489.7	500.7	512.7
162.5°	427.3	430.9	436.7	442.6	449.4	459.9	468.7	476.4	485.3	494.9	504.6
165°	436.3	439.1	443.7	447.3	452.9	460.3	467.6	473.1	478.6	486.0	493.4
167.5°	443.9	445.5	448.1	450.7	454.2	460.3	465.4	467.9	472.2	477.4	482.7
170°	448.3	449.2	451.1	452.9	455.7	460.3	463.9	465.8	468.5	472.2	476.8
172.5°	450.5	451.4	453.2	454.3	455.7	459.5	462.5	462.8	464.1	467.1	470.2
175°	453.8	454.7	455.7	455.7	455.7	458.4	460.3	459.3	459.3	460.3	463.0
177.5°	455.8	455.8	456.5	455.8	455.8	457.3	458.0	456.5	456.5	457.3	458.0
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1045.8	1045.8	1051.4	1051.1	1054.7	1053.4	1054.0
5°	1124.2	1131.2	1137.3	1141.5	1147.6	1149.3	1148.4
7.5°	1205.5	1221.0	1228.6	1239.0	1240.9	1246.3	1245.7
10°	1255.8	1271.1	1282.5	1291.6	1296.2	1301.9	1302.3
12.5°	1295.3	1308.2	1318.4	1326.8	1332.3	1334.1	1335.2
15°	1326.2	1340.5	1352.5	1364.4	1371.4	1376.7	1379.7
17.5°	1357.2	1379.5	1400.5	1416.7	1426.5	1434.6	1434.6
20°	1381.2	1406.8	1433.1	1451.6	1470.5	1478.8	1480.0
22.5°	1406.9	1446.0	1479.9	1508.6	1533.4	1542.0	1545.2
25°	1460.2	1511.2	1563.5	1603.9	1632.6	1649.5	1651.9
27.5°	1524.6	1593.7	1648.7	1685.8	1709.8	1722.3	1725.0
30°	1570.1	1633.9	1683.2	1711.2	1722.3	1723.9	1717.8
32.5°	1590.5	1638.2	1657.9	1656.2	1634.4	1619.9	1614.4
35°	1565.6	1555.7	1507.5	1450.0	1406.0	1378.0	1370.6
37.5°	1424.7	1339.6	1251.0	1164.0	1117.7	1094.2	1053.7
40°	1285.9	1164.5	1072.4	999.2	946.9	904.9	895.1
42.5°	1129.2	1003.9	911.8	849.1	807.4	778.6	766.0
45°	907.4	799.6	723.6	675.4	643.3	622.3	612.9
47.5°	725.8	642.4	586.9	551.3	526.9	508.6	503.5
50°	626.1	559.4	512.5	482.5	464.0	450.0	444.3
52.5°	543.8	490.0	453.9	429.2	411.7	403.0	398.2
55°	448.8	402.3	376.4	356.6	346.7	339.8	336.4
57.5°	367.0	333.4	314.5	300.9	291.8	287.2	285.7
60°	321.2	294.9	277.7	267.0	260.8	255.0	253.4
62.5°	280.7	260.1	246.7	237.3	231.2	228.7	227.8
65°	226.2	212.7	202.8	197.0	192.1	191.3	190.8
67.5°	179.8	171.8	166.7	160.7	158.9	156.1	155.5
70°	153.8	148.5	142.4	140.3	138.2	135.3	135.8
72.5°	130.5	125.2	121.0	118.2	117.5	116.2	117.3
75°	95.5	93.8	92.1	90.1	89.3	89.3	88.9
77.5°	68.1	66.7	64.9	63.7	63.5	61.7	62.3
80°	49.4	47.3	46.5	46.9	45.6	45.2	45.2
82.5°	36.5	35.8	34.9	35.0	34.8	34.4	34.7
85°	20.1	19.7	19.7	19.3	19.3	18.9	18.9
87.5°	10.8	11.2	10.9	10.6	10.6	11.2	11.5
90°	17.5	18.4	20.3	20.3	20.3	21.2	21.2
92.5°	118.4	89.1	75.5	63.7	61.5	60.2	58.7
95°	521.9	408.7	331.4	266.0	238.4	231.1	216.3
97.5°	887.6	777.3	669.7	612.8	561.3	534.6	522.8
100°	1087.1	992.3	896.5	833.1	766.8	732.7	718.0
102.5°	1209.3	1163.9	1099.1	1031.1	984.0	947.0	936.0
105°	1278.6	1319.1	1308.9	1279.5	1249.1	1230.7	1219.6
107.5°	1216.9	1320.9	1369.0	1383.9	1383.7	1377.6	1370.2
110°	1146.9	1276.7	1354.9	1396.4	1413.9	1420.3	1420.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1077.7	1208.9	1301.2	1361.8	1391.8	1407.8	1414.4
115°	978.5	1104.5	1204.9	1276.7	1320.9	1346.6	1358.6
117.5°	909.8	1018.4	1110.5	1182.3	1228.0	1253.5	1260.8
120°	870.8	972.0	1053.0	1121.2	1165.3	1190.2	1197.5
122.5°	842.8	933.0	1008.8	1069.6	1110.1	1135.0	1141.6
125°	805.4	885.5	951.8	1003.3	1041.1	1061.3	1070.6
127.5°	769.7	844.5	906.5	953.2	986.6	1005.8	1009.8
130°	744.7	816.5	876.3	922.3	952.7	971.1	976.6
132.5°	721.1	786.2	843.9	889.9	920.3	937.2	943.5
135°	684.8	743.8	796.2	836.7	867.1	883.7	889.2
137.5°	652.4	701.4	746.0	782.2	809.8	825.1	831.2
140°	633.3	675.7	714.3	748.4	772.3	786.1	790.7
142.5°	617.1	653.6	687.1	716.0	736.2	749.2	753.1
145°	596.4	625.0	649.8	671.9	687.6	697.8	701.4
147.5°	579.3	601.3	620.0	637.5	650.1	655.9	657.6
150°	569.8	587.2	603.8	617.7	628.7	632.4	633.3
152.5°	560.2	576.2	589.1	600.7	609.5	613.2	614.2
155°	545.8	558.7	568.9	578.1	584.5	587.2	588.2
157.5°	532.2	542.2	550.1	557.2	562.6	565.1	565.0
160°	521.9	531.1	537.6	544.0	548.6	550.5	549.5
162.5°	513.1	520.8	526.5	531.5	535.4	535.8	535.5
165°	499.8	505.3	509.9	513.7	515.5	515.5	515.5
167.5°	487.0	491.2	494.5	496.3	498.0	497.3	497.1
170°	479.6	482.4	484.2	486.0	487.0	487.0	486.0
172.5°	472.9	475.0	476.1	476.4	478.1	476.7	475.7
175°	463.0	464.9	464.9	464.9	465.8	463.9	463.0
177.5°	458.8	458.8	458.8	458.0	458.8	456.5	456.5
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5

(END OF REPORT)