

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: P333563-927

Luminaire Tested: **S125RDIP-S850D810U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333563-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S850D810U927-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4819.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

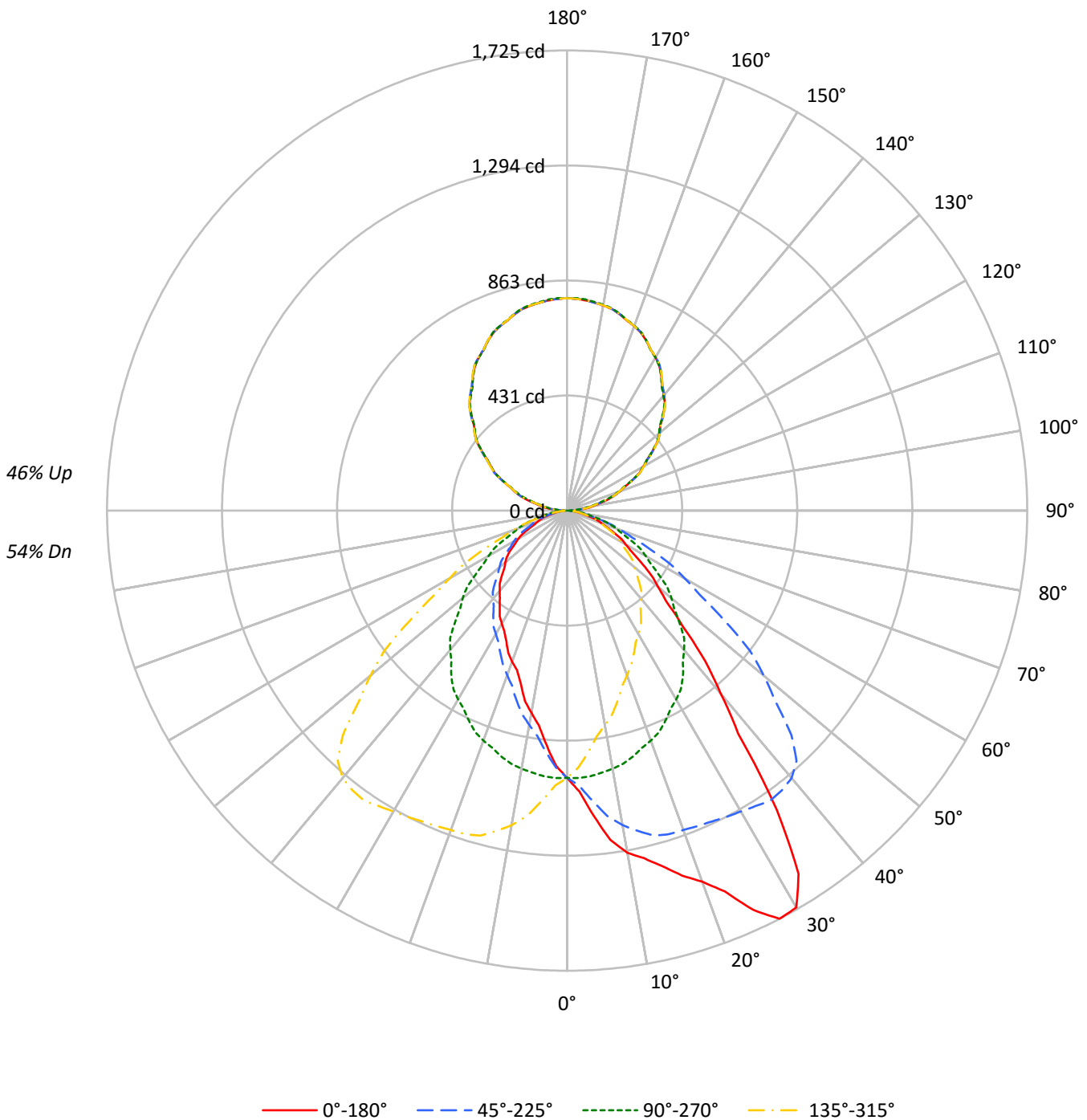
Input Watts (W): 45.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
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	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	47	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	25	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

**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	2.0
10°-20°	281.6	5.8
20°-30°	446.5	9.3
30°-40°	538.4	11.2
40°-50°	480.8	10.0
50°-60°	368.7	7.7
60°-70°	239.6	5.0
70°-80°	116.5	2.4
80°-90°	29.5	0.6
90°-100°	53.3	1.1
100°-110°	157.4	3.3
110°-120°	266.7	5.5
120°-130°	350.9	7.3
130°-140°	393.2	8.2
140°-150°	385.4	8.0
150°-160°	323.7	6.7
160°-170°	215.2	4.5
170°-180°	75.3	1.6
0°-30°	824.2	17.1
0°-40°	1362.6	28.3
0°-60°	2212.2	45.9
0°-90°	2597.8	53.9
90°-120°	477.4	9.9
90°-150°	1607.0	33.3
90°-180°	2221.0	46.1
0°-180°	4819.0	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°	15	1	15	1	15	9
95°	53	40	53	40	53	54
105°	154	141	154	141	154	163
115°	270	267	270	267	270	267
125°	392	390	392	390	392	350
135°	509	507	509	507	509	392
145°	616	614	616	614	616	385
155°	702	702	702	702	702	323
165°	762	764	762	764	762	215
175°	791	794	791	794	791	75
180°	796	796	796	796	796	



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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°	10.2	9.8	9.4	9.3	9.6	10.1	9.7	9.2	9.0	8.9	9.0
90°	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.2	10.6	9.9	9.0
92.5°	29.2	28.9	28.6	28.4	28.0	27.4	26.5	25.6	24.7	23.8	22.6
95°	53.2	53.0	52.8	52.4	52.2	51.6	50.6	49.6	48.6	47.7	46.3
97.5°	80.8	80.6	80.4	80.2	80.1	79.6	78.7	77.8	76.8	76.0	74.1
100°	101.6	101.3	101.0	100.8	100.5	99.7	98.5	97.3	96.0	94.7	93.0
102.5°	122.4	122.0	121.6	121.3	120.9	120.0	118.7	117.3	116.0	114.6	113.7
105°	153.6	153.2	152.8	152.4	151.9	151.4	150.5	149.7	148.9	148.1	147.2
107.5°	185.6	185.6	185.6	185.7	185.7	185.5	185.1	184.7	184.3	183.9	183.2
110°	209.4	209.5	209.6	209.8	209.9	209.8	209.4	209.0	208.6	208.1	207.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	232.7	232.9	233.1	233.4	233.7	233.7	233.5	233.3	233.1	232.9	232.4
115°	269.5	269.6	269.7	269.9	270.0	270.1	270.3	270.5	270.5	270.7	270.5
117.5°	305.4	305.9	306.5	307.0	307.6	307.8	307.7	307.6	307.4	307.4	307.1
120°	330.2	330.7	331.3	331.8	332.4	332.6	332.6	332.6	332.6	332.6	332.5
122.5°	355.0	355.4	355.8	356.2	356.7	357.0	357.1	357.2	357.3	357.4	357.0
125°	392.1	392.3	392.4	392.5	392.7	392.8	393.2	393.4	393.7	394.0	393.8
127.5°	427.8	428.1	428.3	428.6	428.9	429.1	429.2	429.4	429.5	429.7	429.5
130°	451.5	451.9	452.1	452.4	452.7	452.9	453.0	453.1	453.3	453.4	453.1
132.5°	473.9	474.3	474.7	475.1	475.4	475.7	475.8	475.9	476.1	476.3	476.3
135°	508.6	509.1	509.7	510.2	510.8	511.0	511.0	511.0	511.0	511.0	510.9
137.5°	542.5	543.2	543.9	544.5	545.3	545.5	545.3	545.2	545.0	544.9	544.5
140°	564.4	565.0	565.7	566.4	567.0	567.3	567.0	566.7	566.5	566.2	565.8
142.5°	585.1	585.8	586.5	587.2	587.9	588.1	588.0	587.8	587.6	587.5	586.9
145°	616.3	616.8	617.2	617.6	618.0	618.2	618.2	618.2	618.2	618.2	617.8
147.5°	643.0	644.0	644.8	645.8	646.7	647.1	646.7	646.3	646.0	645.7	645.4
150°	662.8	663.1	663.4	663.6	663.9	664.1	664.1	664.1	664.1	664.1	663.5
152.5°	679.1	679.7	680.2	680.6	681.1	681.2	680.9	680.6	680.2	679.9	679.7
155°	702.4	703.1	703.9	704.5	705.2	705.3	704.7	704.2	703.6	703.1	702.9
157.5°	721.9	722.8	723.7	724.6	725.6	725.7	725.2	724.6	724.1	723.5	723.3
160°	735.3	735.9	736.7	737.4	738.1	738.1	737.5	737.0	736.5	735.9	735.8
162.5°	746.7	747.5	748.3	749.1	749.9	750.0	749.3	748.6	748.0	747.3	747.3
165°	761.9	762.7	763.6	764.4	765.2	765.3	764.9	764.3	763.7	763.2	763.0
167.5°	774.0	774.9	775.8	776.7	777.4	777.5	776.7	775.9	775.0	774.2	774.2
170°	780.5	781.5	782.4	783.4	784.3	784.4	783.6	782.8	782.0	781.1	781.1
172.5°	785.9	786.8	787.7	788.5	789.4	789.4	788.5	787.7	786.9	786.1	786.1
175°	791.1	792.0	793.0	793.9	794.9	795.0	794.2	793.3	792.5	791.6	791.6
177.5°	794.0	794.8	795.6	796.3	797.1	797.2	796.5	795.8	795.2	794.5	794.6
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



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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°	9.2	9.0	9.1	8.9	8.3	9.7	10.5	10.6	10.2	9.7	9.3
90°	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6	1.7	2.9	4.0
92.5°	21.4	20.2	19.0	18.1	17.3	16.6	15.8	15.0	15.8	16.6	17.3
95°	44.9	43.6	42.2	41.4	41.1	40.8	40.6	40.2	40.6	40.8	41.1
97.5°	72.2	70.3	68.4	67.3	67.3	67.1	67.0	66.9	67.0	67.1	67.3
100°	91.2	89.4	87.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
102.5°	112.8	111.9	111.0	110.3	109.7	109.2	108.6	108.1	108.6	109.2	109.7
105°	146.4	145.6	144.7	144.0	143.3	142.6	142.0	141.2	142.0	142.6	143.3
107.5°	182.6	182.0	181.3	180.7	180.0	179.3	178.6	177.9	178.6	179.3	180.0
110°	207.3	206.9	206.5	206.0	205.3	204.5	203.9	203.2	203.9	204.5	205.3





TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	231.9	231.3	230.8	230.4	230.0	229.7	229.3	228.9	229.3	229.7	230.0
115°	270.1	269.9	269.6	269.2	268.6	268.1	267.5	267.0	267.5	268.1	268.6
117.5°	306.9	306.7	306.4	306.1	305.9	305.6	305.4	305.1	305.4	305.6	305.9
120°	332.4	332.2	332.1	331.7	331.0	330.3	329.6	328.9	329.6	330.3	331.0
122.5°	356.7	356.3	356.0	355.7	355.5	355.2	355.0	354.7	355.0	355.2	355.5
125°	393.7	393.6	393.4	392.9	392.1	391.3	390.5	389.6	390.5	391.3	392.1
127.5°	429.3	429.1	429.0	428.6	428.2	427.7	427.3	426.8	427.3	427.7	428.2
130°	452.9	452.6	452.3	451.9	451.1	450.5	449.8	449.1	449.8	450.5	451.1
132.5°	476.3	476.4	476.4	475.9	474.8	473.6	472.5	471.4	472.5	473.6	474.8
135°	510.8	510.6	510.5	510.0	509.2	508.3	507.6	506.7	507.6	508.3	509.2
137.5°	544.2	544.0	543.7	543.1	542.3	541.5	540.7	540.0	540.7	541.5	542.3
140°	565.4	564.9	564.5	564.0	563.3	562.6	561.9	561.3	561.9	562.6	563.3
142.5°	586.5	585.9	585.4	584.9	584.2	583.7	583.1	582.6	583.1	583.7	584.2
145°	617.3	617.0	616.6	616.1	615.5	615.0	614.4	613.9	614.4	615.0	615.5
147.5°	645.1	644.8	644.4	644.0	643.8	643.5	643.2	642.9	643.2	643.5	643.8
150°	663.0	662.4	661.9	661.6	661.8	661.9	662.0	662.2	662.0	661.9	661.8
152.5°	679.5	679.2	679.1	678.8	678.7	678.4	678.3	678.0	678.3	678.4	678.7
155°	702.8	702.7	702.5	702.4	702.4	702.4	702.4	702.4	702.4	702.4	702.4
157.5°	723.3	723.1	722.9	723.0	723.3	723.7	724.0	724.3	724.0	723.7	723.3
160°	735.6	735.5	735.4	735.5	735.9	736.3	736.7	737.1	736.7	736.3	735.9
162.5°	747.3	747.2	747.2	747.3	747.7	747.9	748.2	748.5	748.2	747.9	747.7
165°	762.9	762.7	762.6	762.7	763.0	763.3	763.5	763.8	763.5	763.3	763.0
167.5°	774.2	774.2	774.2	774.4	775.0	775.5	776.1	776.7	776.1	775.5	775.0
170°	781.1	781.1	781.1	781.4	782.0	782.5	783.1	783.6	783.1	782.5	782.0
172.5°	786.1	786.1	786.1	786.3	786.9	787.4	788.0	788.5	788.0	787.4	786.9
175°	791.6	791.6	791.6	791.9	792.5	793.1	793.6	794.2	793.6	793.1	792.5
177.5°	794.7	794.9	795.0	795.2	795.7	796.1	796.5	797.0	796.5	796.1	795.7
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**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°	9.3	9.4	9.3	10.1	9.3	9.9	10.0	9.8	10.0	10.1	9.9
90°	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.2	12.0	12.7	13.2
92.5°	18.1	19.0	20.2	21.4	22.6	23.8	24.7	25.6	26.5	27.4	28.0
95°	41.4	42.2	43.6	44.9	46.3	47.7	48.6	49.6	50.6	51.6	52.2
97.5°	67.3	68.4	70.3	72.2	74.1	76.0	76.8	77.8	78.7	79.6	80.1
100°	86.7	87.6	89.4	91.2	93.0	94.7	96.0	97.3	98.5	99.7	100.5
102.5°	110.3	111.0	111.9	112.8	113.7	114.6	116.0	117.3	118.7	120.0	120.9
105°	144.0	144.7	145.6	146.4	147.2	148.1	148.9	149.7	150.5	151.4	151.9
107.5°	180.7	181.3	182.0	182.6	183.2	183.9	184.3	184.7	185.1	185.5	185.7
110°	206.0	206.5	206.9	207.3	207.7	208.1	208.6	209.0	209.4	209.8	209.9



TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	230.4	230.8	231.3	231.9	232.4	232.9	233.1	233.3	233.5	233.7	233.7
115°	269.2	269.6	269.9	270.1	270.5	270.7	270.5	270.5	270.3	270.1	270.0
117.5°	306.1	306.4	306.7	306.9	307.1	307.4	307.4	307.6	307.7	307.8	307.6
120°	331.7	332.1	332.2	332.4	332.5	332.6	332.6	332.6	332.6	332.6	332.4
122.5°	355.7	356.0	356.3	356.7	357.0	357.4	357.3	357.2	357.1	357.0	356.7
125°	392.9	393.4	393.6	393.7	393.8	394.0	393.7	393.4	393.2	392.8	392.7
127.5°	428.6	429.0	429.1	429.3	429.5	429.7	429.5	429.4	429.2	429.1	428.9
130°	451.9	452.3	452.6	452.9	453.1	453.4	453.3	453.1	453.0	452.9	452.7
132.5°	475.9	476.4	476.4	476.3	476.3	476.3	476.1	475.9	475.8	475.7	475.4
135°	510.0	510.5	510.6	510.8	510.9	511.0	511.0	511.0	511.0	511.0	510.8
137.5°	543.1	543.7	544.0	544.2	544.5	544.9	545.0	545.2	545.3	545.5	545.3
140°	564.0	564.5	564.9	565.4	565.8	566.2	566.5	566.7	567.0	567.3	567.0
142.5°	584.9	585.4	585.9	586.5	586.9	587.5	587.6	587.8	588.0	588.1	587.9
145°	616.1	616.6	617.0	617.3	617.8	618.2	618.2	618.2	618.2	618.2	618.0
147.5°	644.0	644.4	644.8	645.1	645.4	645.7	646.0	646.3	646.7	647.1	646.7
150°	661.6	661.9	662.4	663.0	663.5	664.1	664.1	664.1	664.1	664.1	663.9
152.5°	678.8	679.1	679.2	679.5	679.7	679.9	680.2	680.6	680.9	681.2	681.1
155°	702.4	702.5	702.7	702.8	702.9	703.1	703.6	704.2	704.7	705.3	705.2
157.5°	723.0	722.9	723.1	723.3	723.3	723.5	724.1	724.6	725.2	725.7	725.6
160°	735.5	735.4	735.5	735.6	735.8	735.9	736.5	737.0	737.5	738.1	738.1
162.5°	747.3	747.2	747.2	747.3	747.3	747.3	748.0	748.6	749.3	750.0	749.9
165°	762.7	762.6	762.7	762.9	763.0	763.2	763.7	764.3	764.9	765.3	765.2
167.5°	774.4	774.2	774.2	774.2	774.2	774.2	775.0	775.9	776.7	777.5	777.4
170°	781.4	781.1	781.1	781.1	781.1	781.1	782.0	782.8	783.6	784.4	784.3
172.5°	786.3	786.1	786.1	786.1	786.1	786.1	786.9	787.7	788.5	789.4	789.4
175°	791.9	791.6	791.6	791.6	791.6	791.6	792.5	793.3	794.2	795.0	794.9
177.5°	795.2	795.0	794.9	794.7	794.6	794.5	795.2	795.8	796.5	797.2	797.1
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**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°	10.3	10.1	10.1	10.2	10.1	10.1	10.3	9.9	10.1	10.0	9.8
90°	13.6	14.0	14.4	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.2
92.5°	28.4	28.6	28.9	29.2	28.9	28.6	28.4	28.0	27.4	26.5	25.6
95°	52.4	52.8	53.0	53.2	53.0	52.8	52.4	52.2	51.6	50.6	49.6
97.5°	80.2	80.4	80.6	80.8	80.6	80.4	80.2	80.1	79.6	78.7	77.8
100°	100.8	101.0	101.3	101.6	101.3	101.0	100.8	100.5	99.7	98.5	97.3
102.5°	121.3	121.6	122.0	122.4	122.0	121.6	121.3	120.9	120.0	118.7	117.3
105°	152.4	152.8	153.2	153.6	153.2	152.8	152.4	151.9	151.4	150.5	149.7
107.5°	185.7	185.6	185.6	185.6	185.6	185.6	185.7	185.7	185.5	185.1	184.7
110°	209.8	209.6	209.5	209.4	209.5	209.6	209.8	209.9	209.8	209.4	209.0



TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	233.4	233.1	232.9	232.7	232.9	233.1	233.4	233.7	233.7	233.5	233.3
115°	269.9	269.7	269.6	269.5	269.6	269.7	269.9	270.0	270.1	270.3	270.5
117.5°	307.0	306.5	305.9	305.4	305.9	306.5	307.0	307.6	307.8	307.7	307.6
120°	331.8	331.3	330.7	330.2	330.7	331.3	331.8	332.4	332.6	332.6	332.6
122.5°	356.2	355.8	355.4	355.0	355.4	355.8	356.2	356.7	357.0	357.1	357.2
125°	392.5	392.4	392.3	392.1	392.3	392.4	392.5	392.7	392.8	393.2	393.4
127.5°	428.6	428.3	428.1	427.8	428.1	428.3	428.6	428.9	429.1	429.2	429.4
130°	452.4	452.1	451.9	451.5	451.9	452.1	452.4	452.7	452.9	453.0	453.1
132.5°	475.1	474.7	474.3	473.9	474.3	474.7	475.1	475.4	475.7	475.8	475.9
135°	510.2	509.7	509.1	508.6	509.1	509.7	510.2	510.8	511.0	511.0	511.0
137.5°	544.5	543.9	543.2	542.5	543.2	543.9	544.5	545.3	545.5	545.3	545.2
140°	566.4	565.7	565.0	564.4	565.0	565.7	566.4	567.0	567.3	567.0	566.7
142.5°	587.2	586.5	585.8	585.1	585.8	586.5	587.2	587.9	588.1	588.0	587.8
145°	617.6	617.2	616.8	616.3	616.8	617.2	617.6	618.0	618.2	618.2	618.2
147.5°	645.8	644.8	644.0	643.0	644.0	644.8	645.8	646.7	647.1	646.7	646.3
150°	663.6	663.4	663.1	662.8	663.1	663.4	663.6	663.9	664.1	664.1	664.1
152.5°	680.6	680.2	679.7	679.1	679.7	680.2	680.6	681.1	681.2	680.9	680.6
155°	704.5	703.9	703.1	702.4	703.1	703.9	704.5	705.2	705.3	704.7	704.2
157.5°	724.6	723.7	722.8	721.9	722.8	723.7	724.6	725.6	725.7	725.2	724.6
160°	737.4	736.7	735.9	735.3	735.9	736.7	737.4	738.1	738.1	737.5	737.0
162.5°	749.1	748.3	747.5	746.7	747.5	748.3	749.1	749.9	750.0	749.3	748.6
165°	764.4	763.6	762.7	761.9	762.7	763.6	764.4	765.2	765.3	764.9	764.3
167.5°	776.7	775.8	774.9	774.0	774.9	775.8	776.7	777.4	777.5	776.7	775.9
170°	783.4	782.4	781.5	780.5	781.5	782.4	783.4	784.3	784.4	783.6	782.8
172.5°	788.5	787.7	786.8	785.9	786.8	787.7	788.5	789.4	789.4	788.5	787.7
175°	793.9	793.0	792.0	791.1	792.0	793.0	793.9	794.9	795.0	794.2	793.3
177.5°	796.3	795.6	794.8	794.0	794.8	795.6	796.3	797.1	797.2	796.5	795.8
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**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°	10.0	9.9	9.3	10.1	9.3	9.4	9.3	9.3	9.7	10.2	10.6
90°	10.6	9.9	9.0	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6
92.5°	24.7	23.8	22.6	21.4	20.2	19.0	18.1	17.3	16.6	15.8	15.0
95°	48.6	47.7	46.3	44.9	43.6	42.2	41.4	41.1	40.8	40.6	40.2
97.5°	76.8	76.0	74.1	72.2	70.3	68.4	67.3	67.3	67.1	67.0	66.9
100°	96.0	94.7	93.0	91.2	89.4	87.6	86.7	86.7	86.7	86.7	86.7
102.5°	116.0	114.6	113.7	112.8	111.9	111.0	110.3	109.7	109.2	108.6	108.1
105°	148.9	148.1	147.2	146.4	145.6	144.7	144.0	143.3	142.6	142.0	141.2
107.5°	184.3	183.9	183.2	182.6	182.0	181.3	180.7	180.0	179.3	178.6	177.9
110°	208.6	208.1	207.7	207.3	206.9	206.5	206.0	205.3	204.5	203.9	203.2



TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	233.1	232.9	232.4	231.9	231.3	230.8	230.4	230.0	229.7	229.3	228.9
115°	270.5	270.7	270.5	270.1	269.9	269.6	269.2	268.6	268.1	267.5	267.0
117.5°	307.4	307.4	307.1	306.9	306.7	306.4	306.1	305.9	305.6	305.4	305.1
120°	332.6	332.6	332.5	332.4	332.2	332.1	331.7	331.0	330.3	329.6	328.9
122.5°	357.3	357.4	357.0	356.7	356.3	356.0	355.7	355.5	355.2	355.0	354.7
125°	393.7	394.0	393.8	393.7	393.6	393.4	392.9	392.1	391.3	390.5	389.6
127.5°	429.5	429.7	429.5	429.3	429.1	429.0	428.6	428.2	427.7	427.3	426.8
130°	453.3	453.4	453.1	452.9	452.6	452.3	451.9	451.1	450.5	449.8	449.1
132.5°	476.1	476.3	476.3	476.3	476.4	476.4	475.9	474.8	473.6	472.5	471.4
135°	511.0	511.0	510.9	510.8	510.6	510.5	510.0	509.2	508.3	507.6	506.7
137.5°	545.0	544.9	544.5	544.2	544.0	543.7	543.1	542.3	541.5	540.7	540.0
140°	566.5	566.2	565.8	565.4	564.9	564.5	564.0	563.3	562.6	561.9	561.3
142.5°	587.6	587.5	586.9	586.5	585.9	585.4	584.9	584.2	583.7	583.1	582.6
145°	618.2	618.2	617.8	617.3	617.0	616.6	616.1	615.5	615.0	614.4	613.9
147.5°	646.0	645.7	645.4	645.1	644.8	644.4	644.0	643.8	643.5	643.2	642.9
150°	664.1	664.1	663.5	663.0	662.4	661.9	661.6	661.8	661.9	662.0	662.2
152.5°	680.2	679.9	679.7	679.5	679.2	679.1	678.8	678.7	678.4	678.3	678.0
155°	703.6	703.1	702.9	702.8	702.7	702.5	702.4	702.4	702.4	702.4	702.4
157.5°	724.1	723.5	723.3	723.3	723.1	722.9	723.0	723.3	723.7	724.0	724.3
160°	736.5	735.9	735.8	735.6	735.5	735.4	735.5	735.9	736.3	736.7	737.1
162.5°	748.0	747.3	747.3	747.3	747.2	747.2	747.3	747.7	747.9	748.2	748.5
165°	763.7	763.2	763.0	762.9	762.7	762.6	762.7	763.0	763.3	763.5	763.8
167.5°	775.0	774.2	774.2	774.2	774.2	774.2	774.4	775.0	775.5	776.1	776.7
170°	782.0	781.1	781.1	781.1	781.1	781.1	781.4	782.0	782.5	783.1	783.6
172.5°	786.9	786.1	786.1	786.1	786.1	786.1	786.3	786.9	787.4	788.0	788.5
175°	792.5	791.6	791.6	791.6	791.6	791.6	791.9	792.5	793.1	793.6	794.2
177.5°	795.2	794.5	794.6	794.7	794.9	795.0	795.2	795.7	796.1	796.5	797.0
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333563-927

CATALOG NUMBER: S125RDIP-S850D810U927-4F0-1E-UDD-A1

**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	9.7	8.3	8.9	9.1	9.0	9.2	9.0	8.9	9.0	9.2
90°	1.7	2.9	4.0	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.2
92.5°	15.8	16.6	17.3	18.1	19.0	20.2	21.4	22.6	23.8	24.7	25.6
95°	40.6	40.8	41.1	41.4	42.2	43.6	44.9	46.3	47.7	48.6	49.6
97.5°	67.0	67.1	67.3	67.3	68.4	70.3	72.2	74.1	76.0	76.8	77.8
100°	86.7	86.7	86.7	86.7	87.6	89.4	91.2	93.0	94.7	96.0	97.3
102.5°	108.6	109.2	109.7	110.3	111.0	111.9	112.8	113.7	114.6	116.0	117.3
105°	142.0	142.6	143.3	144.0	144.7	145.6	146.4	147.2	148.1	148.9	149.7
107.5°	178.6	179.3	180.0	180.7	181.3	182.0	182.6	183.2	183.9	184.3	184.7
110°	203.9	204.5	205.3	206.0	206.5	206.9	207.3	207.7	208.1	208.6	209.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	229.3	229.7	230.0	230.4	230.8	231.3	231.9	232.4	232.9	233.1	233.3
115°	267.5	268.1	268.6	269.2	269.6	269.9	270.1	270.5	270.7	270.5	270.5
117.5°	305.4	305.6	305.9	306.1	306.4	306.7	306.9	307.1	307.4	307.4	307.6
120°	329.6	330.3	331.0	331.7	332.1	332.2	332.4	332.5	332.6	332.6	332.6
122.5°	355.0	355.2	355.5	355.7	356.0	356.3	356.7	357.0	357.4	357.3	357.2
125°	390.5	391.3	392.1	392.9	393.4	393.6	393.7	393.8	394.0	393.7	393.4
127.5°	427.3	427.7	428.2	428.6	429.0	429.1	429.3	429.5	429.7	429.5	429.4
130°	449.8	450.5	451.1	451.9	452.3	452.6	452.9	453.1	453.4	453.3	453.1
132.5°	472.5	473.6	474.8	475.9	476.4	476.4	476.3	476.3	476.3	476.1	475.9
135°	507.6	508.3	509.2	510.0	510.5	510.6	510.8	510.9	511.0	511.0	511.0
137.5°	540.7	541.5	542.3	543.1	543.7	544.0	544.2	544.5	544.9	545.0	545.2
140°	561.9	562.6	563.3	564.0	564.5	564.9	565.4	565.8	566.2	566.5	566.7
142.5°	583.1	583.7	584.2	584.9	585.4	585.9	586.5	586.9	587.5	587.6	587.8
145°	614.4	615.0	615.5	616.1	616.6	617.0	617.3	617.8	618.2	618.2	618.2
147.5°	643.2	643.5	643.8	644.0	644.4	644.8	645.1	645.4	645.7	646.0	646.3
150°	662.0	661.9	661.8	661.6	661.9	662.4	663.0	663.5	664.1	664.1	664.1
152.5°	678.3	678.4	678.7	678.8	679.1	679.2	679.5	679.7	679.9	680.2	680.6
155°	702.4	702.4	702.4	702.4	702.5	702.7	702.8	702.9	703.1	703.6	704.2
157.5°	724.0	723.7	723.3	723.0	722.9	723.1	723.3	723.3	723.5	724.1	724.6
160°	736.7	736.3	735.9	735.5	735.4	735.5	735.6	735.8	735.9	736.5	737.0
162.5°	748.2	747.9	747.7	747.3	747.2	747.2	747.3	747.3	747.3	748.0	748.6
165°	763.5	763.3	763.0	762.7	762.6	762.7	762.9	763.0	763.2	763.7	764.3
167.5°	776.1	775.5	775.0	774.4	774.2	774.2	774.2	774.2	774.2	775.0	775.9
170°	783.1	782.5	782.0	781.4	781.1	781.1	781.1	781.1	781.1	782.0	782.8
172.5°	788.0	787.4	786.9	786.3	786.1	786.1	786.1	786.1	786.1	786.9	787.7
175°	793.6	793.1	792.5	791.9	791.6	791.6	791.6	791.6	791.6	792.5	793.3
177.5°	796.5	796.1	795.7	795.2	795.0	794.9	794.7	794.6	794.5	795.2	795.8
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



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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°	9.7	10.1	9.6	9.3	9.4	9.8	10.2
90°	12.0	12.7	13.2	13.6	14.0	14.4	14.9
92.5°	26.5	27.4	28.0	28.4	28.6	28.9	29.2
95°	50.6	51.6	52.2	52.4	52.8	53.0	53.2
97.5°	78.7	79.6	80.1	80.2	80.4	80.6	80.8
100°	98.5	99.7	100.5	100.8	101.0	101.3	101.6
102.5°	118.7	120.0	120.9	121.3	121.6	122.0	122.4
105°	150.5	151.4	151.9	152.4	152.8	153.2	153.6
107.5°	185.1	185.5	185.7	185.7	185.6	185.6	185.6
110°	209.4	209.8	209.9	209.8	209.6	209.5	209.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	233.5	233.7	233.7	233.4	233.1	232.9	232.7
115°	270.3	270.1	270.0	269.9	269.7	269.6	269.5
117.5°	307.7	307.8	307.6	307.0	306.5	305.9	305.4
120°	332.6	332.6	332.4	331.8	331.3	330.7	330.2
122.5°	357.1	357.0	356.7	356.2	355.8	355.4	355.0
125°	393.2	392.8	392.7	392.5	392.4	392.3	392.1
127.5°	429.2	429.1	428.9	428.6	428.3	428.1	427.8
130°	453.0	452.9	452.7	452.4	452.1	451.9	451.5
132.5°	475.8	475.7	475.4	475.1	474.7	474.3	473.9
135°	511.0	511.0	510.8	510.2	509.7	509.1	508.6
137.5°	545.3	545.5	545.3	544.5	543.9	543.2	542.5
140°	567.0	567.3	567.0	566.4	565.7	565.0	564.4
142.5°	588.0	588.1	587.9	587.2	586.5	585.8	585.1
145°	618.2	618.2	618.0	617.6	617.2	616.8	616.3
147.5°	646.7	647.1	646.7	645.8	644.8	644.0	643.0
150°	664.1	664.1	663.9	663.6	663.4	663.1	662.8
152.5°	680.9	681.2	681.1	680.6	680.2	679.7	679.1
155°	704.7	705.3	705.2	704.5	703.9	703.1	702.4
157.5°	725.2	725.7	725.6	724.6	723.7	722.8	721.9
160°	737.5	738.1	738.1	737.4	736.7	735.9	735.3
162.5°	749.3	750.0	749.9	749.1	748.3	747.5	746.7
165°	764.9	765.3	765.2	764.4	763.6	762.7	761.9
167.5°	776.7	777.5	777.4	776.7	775.8	774.9	774.0
170°	783.6	784.4	784.3	783.4	782.4	781.5	780.5
172.5°	788.5	789.4	789.4	788.5	787.7	786.8	785.9
175°	794.2	795.0	794.9	793.9	793.0	792.0	791.1
177.5°	796.5	797.2	797.1	796.3	795.6	794.8	794.0
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0

(END OF REPORT)