

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: P333215-927

Luminaire Tested: **S125DIP-S850D590U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333215-927  
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: S125DIP-S850D590U927-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4356.4 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct

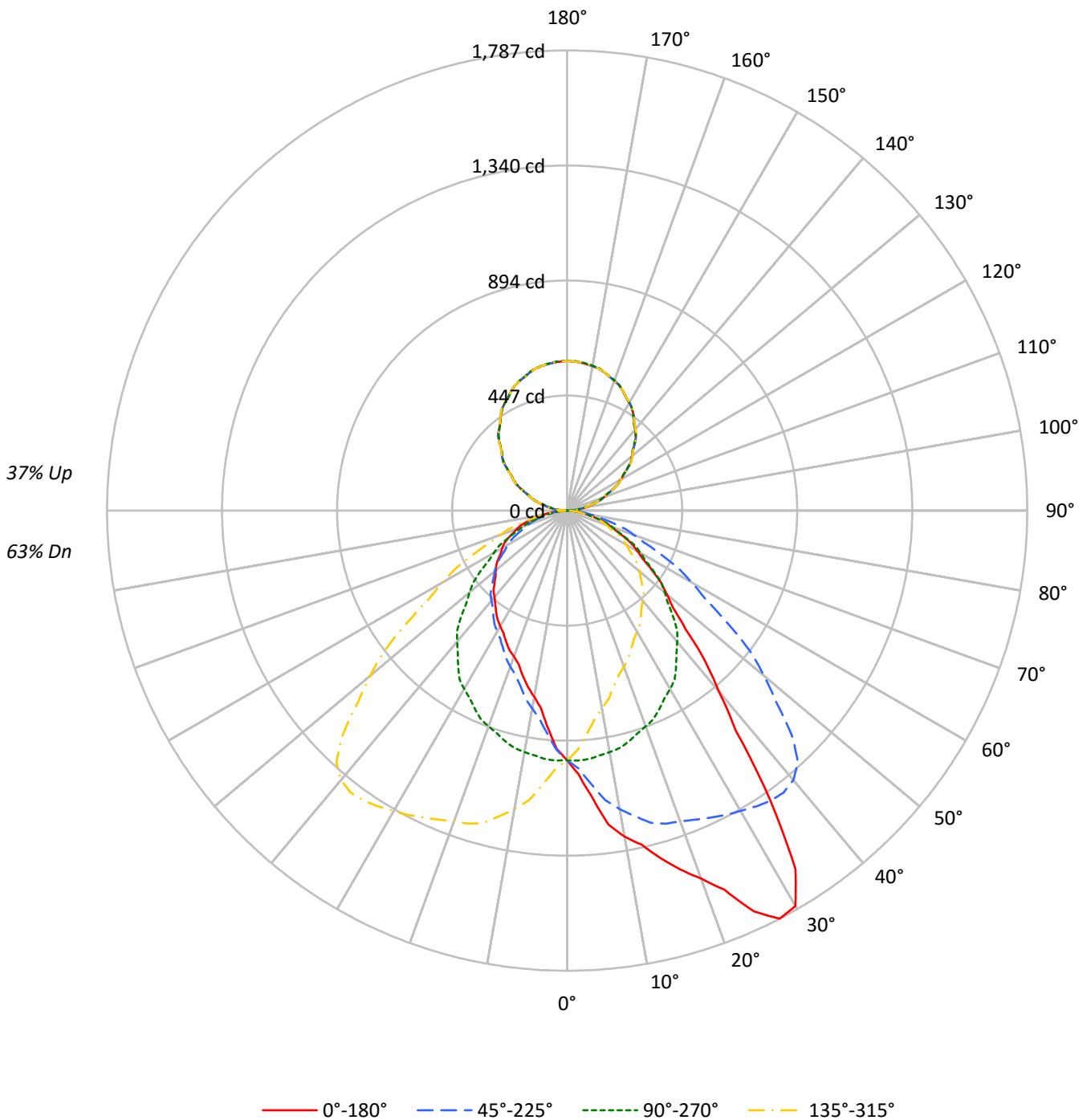
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	60	59	58	53
2	92	85	79	73	86	80	74	70	70	66	63	62	58	56	54	51	49	45
3	84	75	67	61	79	70	64	59	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	65	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

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

	0°	90°	180°	270°
0°	6259	6259	6259	6259
5°	7248	6280	5499	6280
10°	8433	6248	4818	6248
15°	9335	6202	4444	6202
20°	10449	6129	4144	6129
25°	12241	6047	3998	6047
30°	13221	5967	3871	5967
35°	10871	5815	3788	5815
40°	7727	5604	3697	5604
45°	5936	5320	3644	5320
50°	5067	4967	3636	4967
55°	4512	4622	3668	4622
60°	4070	4246	3761	4246
65°	3759	3865	3859	3865
70°	3418	3473	3914	3473
75°	3019	3059	3880	3059
80°	2540	2492	3552	2492
85°	2016	1793	2868	1793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.3	2.1
10°-20°	277.8	6.4
20°-30°	451.1	10.4
30°-40°	550.2	12.6
40°-50°	500.5	11.5
50°-60°	398.7	9.2
60°-70°	277.7	6.4
70°-80°	148.1	3.4
80°-90°	38.7	0.9
90°-100°	38.9	0.9
100°-110°	114.9	2.6
110°-120°	194.5	4.5
120°-130°	256.0	5.9
130°-140°	286.9	6.6
140°-150°	281.2	6.5
150°-160°	236.2	5.4
160°-170°	157.0	3.6
170°-180°	54.9	1.3
0°-30°	822.1	18.9
0°-40°	1372.3	31.5
0°-60°	2271.6	52.1
0°-90°	2736.0	62.8
90°-120°	348.3	8.0
90°-150°	1172.4	26.9
90°-180°	1620.0	37.2
0°-180°	4356.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	969	969	969	969	969	
5°	1118	969	848	969	1118	113
15°	1396	928	665	928	1396	400
25°	1718	849	561	849	1718	785
35°	1379	738	480	738	1379	844
45°	650	582	399	582	650	520
55°	401	410	326	410	401	361
65°	246	253	252	253	246	244
75°	121	123	156	123	121	130
85°	27	24	39	24	27	32
90°	11	0	11	0	11	7
95°	39	29	39	29	39	40
105°	112	103	112	103	112	119
115°	197	195	197	195	197	194
125°	286	284	286	284	286	255
135°	371	370	371	370	371	286
145°	450	448	450	448	450	281
155°	512	512	512	512	512	236
165°	556	557	556	557	556	157
175°	577	579	577	579	577	55
180°	581	581	581	581	581	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	1025.1	1023.7	1022.5	1019.8	1021.8	1016.2	1013.5	1008.9	1003.4	1001.4	999.1
5°	1118.0	1120.1	1122.1	1113.5	1114.4	1108.6	1095.4	1084.7	1076.1	1065.0	1057.2
7.5°	1229.9	1225.0	1224.6	1219.1	1209.4	1201.7	1187.9	1170.3	1153.3	1133.9	1117.8
10°	1285.9	1286.3	1282.5	1276.0	1265.7	1258.3	1240.2	1222.9	1202.0	1177.3	1159.6
12.5°	1328.0	1329.7	1325.0	1316.1	1311.1	1294.5	1280.3	1259.8	1234.9	1215.1	1188.2
15°	1396.1	1391.5	1388.3	1377.2	1368.6	1351.3	1328.6	1307.3	1280.1	1255.0	1229.9
17.5°	1461.7	1465.4	1459.2	1449.1	1422.3	1402.1	1371.7	1342.4	1308.7	1275.0	1245.1
20°	1520.4	1523.6	1514.2	1496.5	1464.4	1444.2	1404.3	1366.5	1327.4	1284.2	1251.3
22.5°	1593.4	1590.8	1578.0	1551.1	1523.3	1486.1	1442.8	1396.8	1347.8	1299.0	1255.3
25°	1717.8	1700.5	1692.7	1659.4	1622.8	1568.0	1508.8	1441.4	1380.5	1315.9	1260.0
27.5°	1786.7	1781.3	1772.6	1749.4	1710.9	1652.4	1582.5	1500.3	1414.4	1332.9	1259.7
30°	1772.9	1773.7	1774.6	1767.1	1742.5	1698.4	1629.0	1540.5	1438.4	1346.7	1262.0
32.5°	1650.5	1665.5	1679.7	1696.7	1703.6	1695.2	1651.6	1571.8	1466.8	1362.6	1260.7
35°	1378.8	1383.4	1429.8	1475.9	1538.4	1587.0	1619.5	1584.1	1495.6	1375.9	1259.1
37.5°	1075.1	1097.3	1129.5	1181.5	1271.8	1352.6	1456.5	1504.3	1475.8	1380.3	1256.2
40°	916.5	937.1	958.0	1011.1	1087.2	1185.1	1303.1	1403.9	1427.4	1366.5	1246.3
42.5°	794.1	810.3	833.6	873.5	937.2	1023.8	1136.6	1268.4	1349.4	1326.4	1225.7
45°	649.9	660.2	678.3	710.0	756.1	823.9	923.4	1067.5	1192.9	1234.5	1176.5
47.5°	556.3	556.2	570.3	592.2	625.4	683.1	756.7	869.5	1003.5	1102.6	1098.0
50°	504.3	502.2	513.3	532.3	558.6	596.8	667.2	757.2	886.1	998.3	1029.6
52.5°	459.5	459.8	466.6	480.6	502.6	535.4	587.9	669.1	779.1	894.4	953.2
55°	400.7	399.0	406.8	416.3	432.3	453.7	491.5	553.7	642.9	756.5	833.0
57.5°	346.7	351.2	354.3	360.9	374.2	388.6	420.5	466.0	536.9	634.3	715.2
60°	315.1	319.6	322.1	328.7	339.4	351.7	376.4	413.4	473.0	557.0	637.2
62.5°	286.8	290.3	291.1	297.1	305.8	317.8	337.2	368.3	415.4	488.9	567.4
65°	246.0	246.0	247.6	253.8	257.9	268.6	283.4	306.0	343.9	401.1	468.1
67.5°	206.7	208.7	208.2	211.0	214.8	223.0	233.6	252.3	280.4	322.1	375.7
70°	181.0	182.6	182.2	184.3	188.4	193.8	202.4	220.1	240.2	276.0	322.1
72.5°	158.0	158.6	157.6	160.3	162.7	167.4	177.1	186.5	205.3	235.5	273.4
75°	121.0	121.8	122.6	124.2	126.7	129.1	134.1	143.5	155.9	178.6	202.8
77.5°	90.6	89.1	91.1	90.9	92.2	94.1	98.5	103.5	113.6	127.9	146.7
80°	68.3	68.7	68.7	69.1	71.1	72.4	76.1	79.8	87.6	98.3	111.5
82.5°	49.8	50.9	50.3	51.0	52.8	53.6	55.7	58.7	63.3	71.7	81.2
85°	27.2	25.1	25.9	26.8	26.8	27.2	28.8	30.0	32.5	35.8	39.5
87.5°	10.1	10.7	10.9	10.9	11.2	11.1	12.3	12.2	13.1	13.9	15.1
90°	10.9	10.5	10.2	10.0	9.7	9.3	8.7	8.2	7.8	7.2	6.5
92.5°	21.3	21.1	20.9	20.7	20.4	20.0	19.3	18.7	18.0	17.3	16.5
95°	38.9	38.7	38.5	38.3	38.0	37.6	36.9	36.2	35.5	34.8	33.8
97.5°	58.9	58.8	58.7	58.5	58.5	58.1	57.4	56.7	56.1	55.4	54.0
100°	74.1	73.9	73.8	73.5	73.3	72.7	71.9	71.0	70.0	69.2	67.8
102.5°	89.3	89.0	88.7	88.5	88.2	87.5	86.6	85.6	84.6	83.6	82.9
105°	112.1	111.8	111.5	111.1	110.9	110.4	109.8	109.2	108.6	108.0	107.4
107.5°	135.4	135.4	135.5	135.5	135.5	135.3	135.1	134.8	134.4	134.1	133.6
110°	152.7	152.8	153.0	153.0	153.1	153.0	152.7	152.4	152.2	151.9	151.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	169.8	169.9	170.1	170.3	170.5	170.5	170.3	170.2	170.1	169.9	169.5
115°	196.6	196.7	196.8	196.9	197.0	197.1	197.2	197.3	197.4	197.5	197.3
117.5°	222.8	223.2	223.6	224.0	224.4	224.6	224.5	224.4	224.3	224.3	224.0
120°	240.9	241.3	241.7	242.1	242.5	242.6	242.6	242.6	242.6	242.6	242.6
122.5°	259.0	259.3	259.6	259.9	260.2	260.5	260.5	260.6	260.7	260.8	260.5
125°	286.1	286.1	286.3	286.4	286.5	286.6	286.8	287.0	287.2	287.4	287.3
127.5°	312.1	312.3	312.5	312.7	312.9	313.1	313.1	313.2	313.4	313.5	313.3
130°	329.5	329.6	329.9	330.0	330.3	330.4	330.5	330.6	330.7	330.8	330.6
132.5°	345.7	346.0	346.3	346.6	346.8	347.1	347.1	347.2	347.4	347.5	347.5
135°	371.1	371.5	371.9	372.2	372.6	372.8	372.8	372.8	372.8	372.8	372.7
137.5°	395.8	396.3	396.8	397.3	397.8	398.0	397.8	397.8	397.6	397.5	397.3
140°	411.7	412.2	412.7	413.2	413.7	413.8	413.7	413.4	413.3	413.0	412.7
142.5°	426.9	427.4	427.9	428.4	428.9	429.0	429.0	428.8	428.7	428.6	428.3
145°	449.6	450.0	450.3	450.6	450.8	451.0	451.0	451.0	451.0	451.0	450.8
147.5°	469.1	469.8	470.5	471.1	471.8	472.1	471.8	471.6	471.3	471.1	470.9
150°	483.5	483.8	483.9	484.2	484.3	484.4	484.4	484.4	484.4	484.4	484.0
152.5°	495.5	495.8	496.2	496.5	496.9	497.0	496.8	496.5	496.3	496.1	495.8
155°	512.5	512.9	513.5	514.0	514.5	514.5	514.1	513.7	513.3	512.9	512.9
157.5°	526.6	527.4	528.0	528.6	529.3	529.4	529.0	528.6	528.2	527.8	527.8
160°	536.5	536.9	537.4	538.0	538.4	538.4	538.1	537.7	537.3	536.9	536.8
162.5°	544.7	545.3	545.9	546.5	547.1	547.2	546.6	546.1	545.7	545.2	545.2
165°	555.9	556.4	557.1	557.7	558.3	558.4	557.9	557.5	557.1	556.7	556.7
167.5°	564.7	565.3	565.9	566.6	567.2	567.2	566.6	566.0	565.4	564.8	564.8
170°	569.4	570.1	570.8	571.6	572.2	572.3	571.6	571.1	570.5	569.9	569.9
172.5°	573.4	574.0	574.6	575.3	575.9	575.9	575.3	574.7	574.1	573.5	573.5
175°	577.1	577.8	578.5	579.2	579.9	580.0	579.3	578.8	578.1	577.6	577.6
177.5°	579.2	579.8	580.4	581.0	581.5	581.5	581.1	580.6	580.1	579.6	579.7
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	997.1	994.8	992.1	987.5	982.0	979.0	974.4	971.5	965.5	960.6	955.3
5°	1047.7	1037.0	1027.1	1014.4	1000.4	991.3	980.6	968.7	956.4	943.6	929.6
7.5°	1100.1	1081.2	1060.6	1038.5	1016.8	997.0	977.9	959.3	941.8	920.8	902.9
10°	1135.3	1111.4	1085.9	1055.9	1026.7	1001.2	975.3	952.7	929.6	905.0	883.1
12.5°	1170.5	1138.8	1102.7	1069.8	1034.6	1003.9	973.4	944.4	915.5	888.2	862.8
15°	1195.4	1167.4	1134.1	1087.2	1047.7	1005.4	965.0	927.6	892.6	862.2	830.1
17.5°	1211.7	1175.7	1140.0	1095.0	1043.1	995.8	950.1	907.3	867.8	829.3	798.4
20°	1214.7	1177.7	1140.3	1096.2	1043.1	988.9	943.3	891.8	849.5	809.5	771.7
22.5°	1213.7	1171.8	1131.0	1085.7	1034.0	984.0	928.8	876.3	830.4	791.1	751.6
25°	1204.4	1159.6	1108.6	1063.0	1011.9	958.9	902.9	848.6	801.7	756.9	717.8
27.5°	1196.7	1138.5	1080.8	1027.5	978.3	929.6	876.1	820.5	768.5	723.0	686.2
30°	1187.2	1123.4	1058.4	1002.8	952.3	905.0	854.4	800.1	745.8	701.3	661.9
32.5°	1178.6	1104.3	1035.7	975.3	921.6	875.7	829.0	777.4	724.1	679.0	639.4
35°	1162.1	1076.1	997.5	929.2	872.0	824.7	785.7	737.5	688.6	645.0	607.1
37.5°	1141.1	1039.0	954.7	883.1	820.5	770.6	734.3	697.3	650.3	608.3	574.1
40°	1124.6	1012.7	923.4	850.2	785.3	733.4	699.7	664.7	625.7	586.6	550.4
42.5°	1103.9	989.0	891.9	813.1	748.7	698.2	662.8	633.1	598.7	562.2	528.6
45°	1065.8	946.1	840.8	756.1	691.0	641.3	604.7	582.5	556.6	522.0	493.6
47.5°	1009.8	894.5	785.6	698.2	631.1	584.9	550.6	529.3	511.0	485.4	459.6
50°	960.0	856.0	745.8	658.9	591.9	545.4	513.8	494.4	478.8	459.1	437.3
52.5°	904.4	807.6	706.6	620.8	554.4	508.6	477.6	460.6	447.6	433.4	411.9
55°	816.1	733.9	640.1	558.6	497.3	452.5	425.3	410.5	399.8	389.1	376.0
57.5°	718.7	654.4	571.3	496.9	440.5	399.7	374.3	359.9	351.6	346.1	338.3
60°	650.3	595.2	523.6	455.7	400.7	364.5	339.8	328.7	321.7	317.1	311.4
62.5°	586.8	541.6	475.2	413.3	365.1	330.9	308.9	298.1	291.4	289.1	284.4
65°	493.2	458.3	403.5	352.1	311.0	281.8	263.2	252.9	248.8	246.4	246.8
67.5°	401.0	379.7	335.7	291.9	259.0	234.6	219.8	211.8	209.8	206.5	206.4
70°	344.7	328.7	291.7	253.4	224.2	205.3	192.1	183.9	181.8	180.1	179.7
72.5°	295.0	281.0	248.8	218.2	191.9	175.3	164.5	159.5	156.1	155.2	155.1
75°	221.7	213.9	188.4	164.1	146.0	134.5	127.1	122.6	120.1	119.7	120.1
77.5°	157.6	150.8	134.6	117.4	106.0	97.3	91.0	89.4	86.7	86.7	86.3
80°	118.4	113.9	103.7	90.1	80.6	73.2	69.9	67.0	66.2	65.0	66.2
82.5°	85.9	81.0	74.1	65.4	57.6	53.2	49.8	49.0	48.5	47.8	48.2
85°	42.4	42.8	38.7	32.1	28.8	26.3	24.2	24.2	23.8	23.4	23.8
87.5°	15.6	14.8	13.4	12.3	10.5	9.3	8.8	9.0	8.2	8.0	8.5
90°	5.9	5.1	4.4	3.6	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	15.6	14.7	13.9	13.2	12.6	12.0	11.5	10.9	11.5	12.0	12.6
95°	32.8	31.8	30.8	30.2	29.9	29.8	29.5	29.4	29.5	29.8	29.9
97.5°	52.6	51.3	49.8	49.1	49.0	49.0	48.9	48.8	48.9	49.0	49.0
100°	66.5	65.2	63.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
102.5°	82.3	81.6	81.0	80.4	80.0	79.6	79.2	78.8	79.2	79.6	80.0
105°	106.8	106.2	105.6	105.0	104.6	104.0	103.5	103.1	103.5	104.0	104.6
107.5°	133.2	132.8	132.3	131.8	131.3	130.8	130.3	129.8	130.3	130.8	131.3
110°	151.2	150.9	150.7	150.3	149.7	149.2	148.7	148.2	148.7	149.2	149.7





TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.1	168.8	168.4	168.1	167.8	167.5	167.3	167.0	167.3	167.5	167.8
115°	197.1	196.9	196.7	196.4	196.0	195.6	195.2	194.8	195.2	195.6	196.0
117.5°	223.9	223.7	223.6	223.3	223.2	223.0	222.8	222.6	222.8	223.0	223.2
120°	242.5	242.4	242.2	242.0	241.5	241.0	240.5	240.0	240.5	241.0	241.5
122.5°	260.2	260.0	259.7	259.5	259.3	259.1	259.0	258.8	259.0	259.1	259.3
125°	287.2	287.1	287.0	286.7	286.1	285.4	284.9	284.2	284.9	285.4	286.1
127.5°	313.2	313.1	313.0	312.8	312.4	312.0	311.7	311.4	311.7	312.0	312.4
130°	330.4	330.2	330.0	329.6	329.2	328.7	328.1	327.6	328.1	328.7	329.2
132.5°	347.5	347.5	347.6	347.2	346.3	345.5	344.8	343.9	344.8	345.5	346.3
135°	372.6	372.6	372.4	372.1	371.5	370.9	370.3	369.6	370.3	370.9	371.5
137.5°	397.0	396.9	396.6	396.2	395.6	395.1	394.5	393.9	394.5	395.1	395.6
140°	412.5	412.2	411.9	411.5	410.9	410.4	410.0	409.4	410.0	410.4	410.9
142.5°	427.9	427.5	427.1	426.7	426.3	425.8	425.4	425.0	425.4	425.8	426.3
145°	450.4	450.1	449.8	449.5	449.1	448.7	448.2	447.8	448.2	448.7	449.1
147.5°	470.6	470.3	470.1	469.9	469.7	469.4	469.2	469.0	469.2	469.4	469.7
150°	483.6	483.2	482.8	482.7	482.8	482.9	483.0	483.1	483.0	482.9	482.8
152.5°	495.7	495.5	495.4	495.2	495.1	495.0	494.8	494.6	494.8	495.0	495.1
155°	512.7	512.6	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5
157.5°	527.7	527.5	527.4	527.5	527.8	527.9	528.1	528.4	528.1	527.9	527.8
160°	536.7	536.5	536.5	536.5	536.9	537.2	537.5	537.8	537.5	537.2	536.9
162.5°	545.2	545.1	545.1	545.2	545.4	545.7	545.9	546.1	545.9	545.7	545.4
165°	556.6	556.4	556.3	556.4	556.6	556.8	557.0	557.2	557.0	556.8	556.6
167.5°	564.8	564.8	564.8	565.0	565.4	565.8	566.3	566.6	566.3	565.8	565.4
170°	569.9	569.9	569.9	570.1	570.5	570.8	571.2	571.6	571.2	570.8	570.5
172.5°	573.5	573.5	573.5	573.7	574.1	574.5	574.9	575.3	574.9	574.5	574.1
175°	577.6	577.6	577.6	577.7	578.1	578.5	578.9	579.3	578.9	578.5	578.1
177.5°	579.8	579.9	580.0	580.1	580.5	580.8	581.1	581.5	581.1	580.8	580.5
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	952.4	948.7	945.8	939.2	935.6	930.7	926.7	931.0	926.4	928.4	925.3
5°	922.7	911.2	902.9	891.0	880.7	871.2	864.3	863.0	859.7	858.1	853.1
7.5°	886.9	872.5	858.4	842.8	829.6	816.2	807.6	800.6	795.9	789.7	785.5
10°	865.9	846.5	830.1	811.2	794.7	780.3	768.8	763.0	757.7	749.9	747.0
12.5°	839.9	819.9	799.8	779.6	763.8	747.7	737.8	729.1	725.5	716.6	715.7
15°	808.7	778.7	758.9	738.4	716.5	703.4	695.1	685.7	681.6	675.4	670.9
17.5°	771.5	744.7	720.0	698.7	680.0	668.9	658.7	652.2	645.2	641.1	633.7
20°	744.6	719.1	694.3	671.7	657.4	644.6	636.4	630.2	622.8	620.8	613.3
22.5°	721.8	693.7	670.0	651.0	635.3	620.9	612.0	607.8	602.7	596.4	594.8
25°	684.9	655.7	635.6	616.6	602.6	589.5	583.3	578.0	573.0	568.5	566.8
27.5°	653.0	626.9	602.9	585.8	573.7	561.7	556.2	549.7	546.1	542.5	538.1
30°	630.6	603.9	582.9	566.4	553.3	542.6	536.8	532.3	529.0	525.7	523.2
32.5°	607.5	582.8	562.4	546.4	533.2	525.1	520.0	516.8	513.2	509.2	506.1
35°	577.1	549.9	530.2	516.3	506.0	499.8	494.0	491.2	487.0	487.0	483.7
37.5°	542.8	519.4	501.9	489.2	480.0	474.4	468.2	466.2	463.6	461.8	460.7
40°	522.4	500.6	484.2	471.4	461.5	457.0	452.1	448.8	447.1	445.0	444.3
42.5°	501.4	480.5	464.8	453.0	444.4	440.5	435.9	433.6	430.3	427.6	427.1
45°	469.4	449.2	434.8	425.3	418.0	413.4	410.5	405.6	403.9	400.7	400.2
47.5°	438.9	419.6	405.5	397.8	391.3	387.5	383.0	378.1	376.2	374.5	374.4
50°	416.3	398.6	385.4	378.0	371.9	366.5	361.9	358.7	357.4	357.4	358.3
52.5°	393.2	378.2	367.0	358.0	352.1	346.4	342.2	340.2	338.3	340.3	341.8
55°	359.5	344.3	336.0	327.4	321.7	315.1	313.1	312.2	311.0	314.3	315.9
57.5°	323.8	313.1	303.5	294.9	289.8	286.0	283.2	282.7	284.9	286.5	291.9
60°	301.1	288.8	280.1	273.5	267.4	264.9	264.1	263.2	264.9	269.4	276.4
62.5°	276.1	266.1	256.7	251.8	247.3	243.2	243.0	243.5	246.8	252.0	259.0
65°	239.4	230.8	224.6	218.8	215.2	212.7	213.5	215.2	218.8	225.9	233.6
67.5°	202.2	196.2	190.7	186.0	182.4	182.4	183.3	185.8	190.1	198.2	205.3
70°	178.1	171.5	167.0	164.9	162.1	160.4	162.9	167.0	170.7	178.1	184.3
72.5°	154.1	148.5	145.0	143.5	142.4	141.0	141.8	146.2	151.3	158.7	165.9
75°	118.4	116.4	113.9	112.3	111.1	111.9	112.7	116.8	121.0	128.7	137.0
77.5°	86.4	84.3	82.9	82.5	81.8	82.1	84.5	87.5	91.6	97.3	103.5
80°	65.4	64.6	63.8	63.4	63.4	63.8	67.0	69.1	72.8	78.2	83.1
82.5°	47.6	47.1	47.0	46.9	47.2	47.3	49.3	52.0	55.1	59.1	63.4
85°	25.1	24.2	25.5	25.9	25.1	26.3	27.2	28.8	30.0	32.1	34.1
87.5°	9.0	9.7	9.6	10.1	10.2	11.0	10.8	12.2	12.9	13.7	13.5
90°	3.6	4.4	5.1	5.9	6.5	7.2	7.8	8.2	8.7	9.3	9.7
92.5°	13.2	13.9	14.7	15.6	16.5	17.3	18.0	18.7	19.3	20.0	20.4
95°	30.2	30.8	31.8	32.8	33.8	34.8	35.5	36.2	36.9	37.6	38.0
97.5°	49.1	49.8	51.3	52.6	54.0	55.4	56.1	56.7	57.4	58.1	58.5
100°	63.3	63.9	65.2	66.5	67.8	69.2	70.0	71.0	71.9	72.7	73.3
102.5°	80.4	81.0	81.6	82.3	82.9	83.6	84.6	85.6	86.6	87.5	88.2
105°	105.0	105.6	106.2	106.8	107.4	108.0	108.6	109.2	109.8	110.4	110.9
107.5°	131.8	132.3	132.8	133.2	133.6	134.1	134.4	134.8	135.1	135.3	135.5
110°	150.3	150.7	150.9	151.2	151.5	151.9	152.2	152.4	152.7	153.0	153.1



TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	168.1	168.4	168.8	169.1	169.5	169.9	170.1	170.2	170.3	170.5	170.5
115°	196.4	196.7	196.9	197.1	197.3	197.5	197.4	197.3	197.2	197.1	197.0
117.5°	223.3	223.6	223.7	223.9	224.0	224.3	224.3	224.4	224.5	224.6	224.4
120°	242.0	242.2	242.4	242.5	242.6	242.6	242.6	242.6	242.6	242.6	242.5
122.5°	259.5	259.7	260.0	260.2	260.5	260.8	260.7	260.6	260.5	260.5	260.2
125°	286.7	287.0	287.1	287.2	287.3	287.4	287.2	287.0	286.8	286.6	286.5
127.5°	312.8	313.0	313.1	313.2	313.3	313.5	313.4	313.2	313.1	313.1	312.9
130°	329.6	330.0	330.2	330.4	330.6	330.8	330.7	330.6	330.5	330.4	330.3
132.5°	347.2	347.6	347.5	347.5	347.5	347.5	347.4	347.2	347.1	347.1	346.8
135°	372.1	372.4	372.6	372.6	372.7	372.8	372.8	372.8	372.8	372.8	372.6
137.5°	396.2	396.6	396.9	397.0	397.3	397.5	397.6	397.8	397.8	398.0	397.8
140°	411.5	411.9	412.2	412.5	412.7	413.0	413.3	413.4	413.7	413.8	413.7
142.5°	426.7	427.1	427.5	427.9	428.3	428.6	428.7	428.8	429.0	429.0	428.9
145°	449.5	449.8	450.1	450.4	450.8	451.0	451.0	451.0	451.0	451.0	450.8
147.5°	469.9	470.1	470.3	470.6	470.9	471.1	471.3	471.6	471.8	472.1	471.8
150°	482.7	482.8	483.2	483.6	484.0	484.4	484.4	484.4	484.4	484.4	484.3
152.5°	495.2	495.4	495.5	495.7	495.8	496.1	496.3	496.5	496.8	497.0	496.9
155°	512.5	512.5	512.6	512.7	512.9	512.9	513.3	513.7	514.1	514.5	514.5
157.5°	527.5	527.4	527.5	527.7	527.8	527.8	528.2	528.6	529.0	529.4	529.3
160°	536.5	536.5	536.5	536.7	536.8	536.9	537.3	537.7	538.1	538.4	538.4
162.5°	545.2	545.1	545.1	545.2	545.2	545.2	545.7	546.1	546.6	547.2	547.1
165°	556.4	556.3	556.4	556.6	556.7	556.7	557.1	557.5	557.9	558.4	558.3
167.5°	565.0	564.8	564.8	564.8	564.8	564.8	565.4	566.0	566.6	567.2	567.2
170°	570.1	569.9	569.9	569.9	569.9	569.9	570.5	571.1	571.6	572.3	572.2
172.5°	573.7	573.5	573.5	573.5	573.5	573.5	574.1	574.7	575.3	575.9	575.9
175°	577.7	577.6	577.6	577.6	577.6	577.6	578.1	578.8	579.3	580.0	579.9
177.5°	580.1	580.0	579.9	579.8	579.7	579.6	580.1	580.6	581.1	581.5	581.5
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	923.4	925.7	923.7	926.4	923.7	925.7	923.4	925.3	928.4	926.4	931.0
5°	851.0	847.4	849.9	848.2	849.9	847.4	851.0	853.1	858.1	859.7	863.0
7.5°	784.3	780.7	776.7	774.8	776.7	780.7	784.3	785.5	789.7	795.9	800.6
10°	742.5	737.9	737.5	734.7	737.5	737.9	742.5	747.0	749.9	757.7	763.0
12.5°	711.9	707.7	703.0	701.8	703.0	707.7	711.9	715.7	716.6	725.5	729.1
15°	668.4	665.1	662.3	664.7	662.3	665.1	668.4	670.9	675.4	681.6	685.7
17.5°	632.3	629.6	629.1	626.1	629.1	629.6	632.3	633.7	641.1	645.2	652.2
20°	609.6	607.5	608.4	603.0	608.4	607.5	609.6	613.3	620.8	622.8	630.2
22.5°	591.5	587.5	587.0	585.9	587.0	587.5	591.5	594.8	596.4	602.7	607.8
25°	563.2	561.1	559.0	561.1	559.0	561.1	563.2	566.8	568.5	573.0	578.0
27.5°	538.4	535.9	535.4	535.6	535.4	535.9	538.4	538.1	542.5	546.1	549.7
30°	523.2	519.1	519.5	519.1	519.5	519.1	523.2	523.2	525.7	529.0	532.3
32.5°	506.8	504.0	503.4	502.6	503.4	504.0	506.8	506.1	509.2	513.2	516.8
35°	482.5	482.5	480.5	480.5	480.5	482.5	482.5	483.7	487.0	487.0	491.2
37.5°	459.7	459.3	458.0	458.3	458.0	459.3	459.7	460.7	461.8	463.6	466.2
40°	442.6	442.2	440.9	438.5	440.9	442.2	442.6	444.3	445.0	447.1	448.8
42.5°	426.1	424.8	424.2	423.3	424.2	424.8	426.1	427.1	427.6	430.3	433.6
45°	400.2	400.2	399.4	399.0	399.4	400.2	400.2	400.2	400.7	403.9	405.6
47.5°	375.1	375.8	377.4	377.2	377.4	375.8	375.1	374.4	374.5	376.2	378.1
50°	359.9	360.4	361.6	361.9	361.6	360.4	359.9	358.3	357.4	357.4	358.7
52.5°	343.2	345.5	347.1	346.8	347.1	345.5	343.2	341.8	340.3	338.3	340.2
55°	319.6	322.5	325.3	325.8	325.3	322.5	319.6	315.9	314.3	311.0	312.2
57.5°	296.4	300.4	303.4	304.4	303.4	300.4	296.4	291.9	286.5	284.9	282.7
60°	280.5	285.9	289.6	291.2	289.6	285.9	280.5	276.4	269.4	264.9	263.2
62.5°	265.4	271.4	275.1	275.4	275.1	271.4	265.4	259.0	252.0	246.8	243.5
65°	240.7	246.8	250.1	252.5	250.1	246.8	240.7	233.6	225.9	218.8	215.2
67.5°	214.0	220.1	223.8	225.8	223.8	220.1	214.0	205.3	198.2	190.1	185.8
70°	194.6	200.7	205.7	207.3	205.7	200.7	194.6	184.3	178.1	170.7	167.0
72.5°	175.5	181.0	185.0	186.9	185.0	181.0	175.5	165.9	158.7	151.3	146.2
75°	142.4	149.7	153.4	155.5	153.4	149.7	142.4	137.0	128.7	121.0	116.8
77.5°	109.7	116.5	118.7	119.8	118.7	116.5	109.7	103.5	97.3	91.6	87.5
80°	88.0	92.1	95.0	95.5	95.0	92.1	88.0	83.1	78.2	72.8	69.1
82.5°	67.7	71.1	72.0	73.0	72.0	71.1	67.7	63.4	59.1	55.1	52.0
85°	37.0	38.7	39.1	38.7	39.1	38.7	37.0	34.1	32.1	30.0	28.8
87.5°	14.2	13.9	13.9	14.7	13.9	13.9	14.2	13.5	13.7	12.9	12.2
90°	10.0	10.2	10.5	10.9	10.5	10.2	10.0	9.7	9.3	8.7	8.2
92.5°	20.7	20.9	21.1	21.3	21.1	20.9	20.7	20.4	20.0	19.3	18.7
95°	38.3	38.5	38.7	38.9	38.7	38.5	38.3	38.0	37.6	36.9	36.2
97.5°	58.5	58.7	58.8	58.9	58.8	58.7	58.5	58.5	58.1	57.4	56.7
100°	73.5	73.8	73.9	74.1	73.9	73.8	73.5	73.3	72.7	71.9	71.0
102.5°	88.5	88.7	89.0	89.3	89.0	88.7	88.5	88.2	87.5	86.6	85.6
105°	111.1	111.5	111.8	112.1	111.8	111.5	111.1	110.9	110.4	109.8	109.2
107.5°	135.5	135.5	135.4	135.4	135.4	135.5	135.5	135.5	135.3	135.1	134.8
110°	153.0	153.0	152.8	152.7	152.8	153.0	153.0	153.1	153.0	152.7	152.4



TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	170.3	170.1	169.9	169.8	169.9	170.1	170.3	170.5	170.5	170.3	170.2
115°	196.9	196.8	196.7	196.6	196.7	196.8	196.9	197.0	197.1	197.2	197.3
117.5°	224.0	223.6	223.2	222.8	223.2	223.6	224.0	224.4	224.6	224.5	224.4
120°	242.1	241.7	241.3	240.9	241.3	241.7	242.1	242.5	242.6	242.6	242.6
122.5°	259.9	259.6	259.3	259.0	259.3	259.6	259.9	260.2	260.5	260.5	260.6
125°	286.4	286.3	286.1	286.1	286.1	286.3	286.4	286.5	286.6	286.8	287.0
127.5°	312.7	312.5	312.3	312.1	312.3	312.5	312.7	312.9	313.1	313.1	313.2
130°	330.0	329.9	329.6	329.5	329.6	329.9	330.0	330.3	330.4	330.5	330.6
132.5°	346.6	346.3	346.0	345.7	346.0	346.3	346.6	346.8	347.1	347.1	347.2
135°	372.2	371.9	371.5	371.1	371.5	371.9	372.2	372.6	372.8	372.8	372.8
137.5°	397.3	396.8	396.3	395.8	396.3	396.8	397.3	397.8	398.0	397.8	397.8
140°	413.2	412.7	412.2	411.7	412.2	412.7	413.2	413.7	413.8	413.7	413.4
142.5°	428.4	427.9	427.4	426.9	427.4	427.9	428.4	428.9	429.0	429.0	428.8
145°	450.6	450.3	450.0	449.6	450.0	450.3	450.6	450.8	451.0	451.0	451.0
147.5°	471.1	470.5	469.8	469.1	469.8	470.5	471.1	471.8	472.1	471.8	471.6
150°	484.2	483.9	483.8	483.5	483.8	483.9	484.2	484.3	484.4	484.4	484.4
152.5°	496.5	496.2	495.8	495.5	495.8	496.2	496.5	496.9	497.0	496.8	496.5
155°	514.0	513.5	512.9	512.5	512.9	513.5	514.0	514.5	514.5	514.1	513.7
157.5°	528.6	528.0	527.4	526.6	527.4	528.0	528.6	529.3	529.4	529.0	528.6
160°	538.0	537.4	536.9	536.5	536.9	537.4	538.0	538.4	538.4	538.1	537.7
162.5°	546.5	545.9	545.3	544.7	545.3	545.9	546.5	547.1	547.2	546.6	546.1
165°	557.7	557.1	556.4	555.9	556.4	557.1	557.7	558.3	558.4	557.9	557.5
167.5°	566.6	565.9	565.3	564.7	565.3	565.9	566.6	567.2	567.2	566.6	566.0
170°	571.6	570.8	570.1	569.4	570.1	570.8	571.6	572.2	572.3	571.6	571.1
172.5°	575.3	574.6	574.0	573.4	574.0	574.6	575.3	575.9	575.9	575.3	574.7
175°	579.2	578.5	577.8	577.1	577.8	578.5	579.2	579.9	580.0	579.3	578.8
177.5°	581.0	580.4	579.8	579.2	579.8	580.4	581.0	581.5	581.5	581.1	580.6
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	926.7	930.7	935.6	939.2	945.8	948.7	952.4	955.3	960.6	965.5	971.5
5°	864.3	871.2	880.7	891.0	902.9	911.2	922.7	929.6	943.6	956.4	968.7
7.5°	807.6	816.2	829.6	842.8	858.4	872.5	886.9	902.9	920.8	941.8	959.3
10°	768.8	780.3	794.7	811.2	830.1	846.5	865.9	883.1	905.0	929.6	952.7
12.5°	737.8	747.7	763.8	779.6	799.8	819.9	839.9	862.8	888.2	915.5	944.4
15°	695.1	703.4	716.5	738.4	758.9	778.7	808.7	830.1	862.2	892.6	927.6
17.5°	658.7	668.9	680.0	698.7	720.0	744.7	771.5	798.4	829.3	867.8	907.3
20°	636.4	644.6	657.4	671.7	694.3	719.1	744.6	771.7	809.5	849.5	891.8
22.5°	612.0	620.9	635.3	651.0	670.0	693.7	721.8	751.6	791.1	830.4	876.3
25°	583.3	589.5	602.6	616.6	635.6	655.7	684.9	717.8	756.9	801.7	848.6
27.5°	556.2	561.7	573.7	585.8	602.9	626.9	653.0	686.2	723.0	768.5	820.5
30°	536.8	542.6	553.3	566.4	582.9	603.9	630.6	661.9	701.3	745.8	800.1
32.5°	520.0	525.1	533.2	546.4	562.4	582.8	607.5	639.4	679.0	724.1	777.4
35°	494.0	499.8	506.0	516.3	530.2	549.9	577.1	607.1	645.0	688.6	737.5
37.5°	468.2	474.4	480.0	489.2	501.9	519.4	542.8	574.1	608.3	650.3	697.3
40°	452.1	457.0	461.5	471.4	484.2	500.6	522.4	550.4	586.6	625.7	664.7
42.5°	435.9	440.5	444.4	453.0	464.8	480.5	501.4	528.6	562.2	598.7	633.1
45°	410.5	413.4	418.0	425.3	434.8	449.2	469.4	493.6	522.0	556.6	582.5
47.5°	383.0	387.5	391.3	397.8	405.5	419.6	438.9	459.6	485.4	511.0	529.3
50°	361.9	366.5	371.9	378.0	385.4	398.6	416.3	437.3	459.1	478.8	494.4
52.5°	342.2	346.4	352.1	358.0	367.0	378.2	393.2	411.9	433.4	447.6	460.6
55°	313.1	315.1	321.7	327.4	336.0	344.3	359.5	376.0	389.1	399.8	410.5
57.5°	283.2	286.0	289.8	294.9	303.5	313.1	323.8	338.3	346.1	351.6	359.9
60°	264.1	264.9	267.4	273.5	280.1	288.8	301.1	311.4	317.1	321.7	328.7
62.5°	243.0	243.2	247.3	251.8	256.7	266.1	276.1	284.4	289.1	291.4	298.1
65°	213.5	212.7	215.2	218.8	224.6	230.8	239.4	246.8	246.4	248.8	252.9
67.5°	183.3	182.4	182.4	186.0	190.7	196.2	202.2	206.4	206.5	209.8	211.8
70°	162.9	160.4	162.1	164.9	167.0	171.5	178.1	179.7	180.1	181.8	183.9
72.5°	141.8	141.0	142.4	143.5	145.0	148.5	154.1	155.1	155.2	156.1	159.5
75°	112.7	111.9	111.1	112.3	113.9	116.4	118.4	120.1	119.7	120.1	122.6
77.5°	84.5	82.1	81.8	82.5	82.9	84.3	86.4	86.3	86.7	86.7	89.4
80°	67.0	63.8	63.4	63.4	63.8	64.6	65.4	66.2	65.0	66.2	67.0
82.5°	49.3	47.3	47.2	46.9	47.0	47.1	47.6	48.2	47.8	48.5	49.0
85°	27.2	26.3	25.1	25.9	25.5	24.2	25.1	23.8	23.4	23.8	24.2
87.5°	10.8	11.0	10.2	10.1	9.6	9.7	9.0	8.5	8.0	8.2	9.0
90°	7.8	7.2	6.5	5.9	5.1	4.4	3.6	2.9	2.1	1.3	0.5
92.5°	18.0	17.3	16.5	15.6	14.7	13.9	13.2	12.6	12.0	11.5	10.9
95°	35.5	34.8	33.8	32.8	31.8	30.8	30.2	29.9	29.8	29.5	29.4
97.5°	56.1	55.4	54.0	52.6	51.3	49.8	49.1	49.0	49.0	48.9	48.8
100°	70.0	69.2	67.8	66.5	65.2	63.9	63.3	63.3	63.3	63.3	63.3
102.5°	84.6	83.6	82.9	82.3	81.6	81.0	80.4	80.0	79.6	79.2	78.8
105°	108.6	108.0	107.4	106.8	106.2	105.6	105.0	104.6	104.0	103.5	103.1
107.5°	134.4	134.1	133.6	133.2	132.8	132.3	131.8	131.3	130.8	130.3	129.8
110°	152.2	151.9	151.5	151.2	150.9	150.7	150.3	149.7	149.2	148.7	148.2



TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	170.1	169.9	169.5	169.1	168.8	168.4	168.1	167.8	167.5	167.3	167.0
115°	197.4	197.5	197.3	197.1	196.9	196.7	196.4	196.0	195.6	195.2	194.8
117.5°	224.3	224.3	224.0	223.9	223.7	223.6	223.3	223.2	223.0	222.8	222.6
120°	242.6	242.6	242.6	242.5	242.4	242.2	242.0	241.5	241.0	240.5	240.0
122.5°	260.7	260.8	260.5	260.2	260.0	259.7	259.5	259.3	259.1	259.0	258.8
125°	287.2	287.4	287.3	287.2	287.1	287.0	286.7	286.1	285.4	284.9	284.2
127.5°	313.4	313.5	313.3	313.2	313.1	313.0	312.8	312.4	312.0	311.7	311.4
130°	330.7	330.8	330.6	330.4	330.2	330.0	329.6	329.2	328.7	328.1	327.6
132.5°	347.4	347.5	347.5	347.5	347.5	347.6	347.2	346.3	345.5	344.8	343.9
135°	372.8	372.8	372.7	372.6	372.6	372.4	372.1	371.5	370.9	370.3	369.6
137.5°	397.6	397.5	397.3	397.0	396.9	396.6	396.2	395.6	395.1	394.5	393.9
140°	413.3	413.0	412.7	412.5	412.2	411.9	411.5	410.9	410.4	410.0	409.4
142.5°	428.7	428.6	428.3	427.9	427.5	427.1	426.7	426.3	425.8	425.4	425.0
145°	451.0	451.0	450.8	450.4	450.1	449.8	449.5	449.1	448.7	448.2	447.8
147.5°	471.3	471.1	470.9	470.6	470.3	470.1	469.9	469.7	469.4	469.2	469.0
150°	484.4	484.4	484.0	483.6	483.2	482.8	482.7	482.8	482.9	483.0	483.1
152.5°	496.3	496.1	495.8	495.7	495.5	495.4	495.2	495.1	495.0	494.8	494.6
155°	513.3	512.9	512.9	512.7	512.6	512.5	512.5	512.5	512.5	512.5	512.5
157.5°	528.2	527.8	527.8	527.7	527.5	527.4	527.5	527.8	527.9	528.1	528.4
160°	537.3	536.9	536.8	536.7	536.5	536.5	536.5	536.9	537.2	537.5	537.8
162.5°	545.7	545.2	545.2	545.2	545.1	545.1	545.2	545.4	545.7	545.9	546.1
165°	557.1	556.7	556.7	556.6	556.4	556.3	556.4	556.6	556.8	557.0	557.2
167.5°	565.4	564.8	564.8	564.8	564.8	564.8	565.0	565.4	565.8	566.3	566.6
170°	570.5	569.9	569.9	569.9	569.9	569.9	570.1	570.5	570.8	571.2	571.6
172.5°	574.1	573.5	573.5	573.5	573.5	573.5	573.7	574.1	574.5	574.9	575.3
175°	578.1	577.6	577.6	577.6	577.6	577.6	577.7	578.1	578.5	578.9	579.3
177.5°	580.1	579.6	579.7	579.8	579.9	580.0	580.1	580.5	580.8	581.1	581.5
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333215-927

CATALOG NUMBER: S125DIP-S850D590U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	974.4	979.0	982.0	987.5	992.1	994.8	997.1	999.1	1001.4	1003.4	1008.9
5°	980.6	991.3	1000.4	1014.4	1027.1	1037.0	1047.7	1057.2	1065.0	1076.1	1084.7
7.5°	977.9	997.0	1016.8	1038.5	1060.6	1081.2	1100.1	1117.8	1133.9	1153.3	1170.3
10°	975.3	1001.2	1026.7	1055.9	1085.9	1111.4	1135.3	1159.6	1177.3	1202.0	1222.9
12.5°	973.4	1003.9	1034.6	1069.8	1102.7	1138.8	1170.5	1188.2	1215.1	1234.9	1259.8
15°	965.0	1005.4	1047.7	1087.2	1134.1	1167.4	1195.4	1229.9	1255.0	1280.1	1307.3
17.5°	950.1	995.8	1043.1	1095.0	1140.0	1175.7	1211.7	1245.1	1275.0	1308.7	1342.4
20°	943.3	988.9	1043.1	1096.2	1140.3	1177.7	1214.7	1251.3	1284.2	1327.4	1366.5
22.5°	928.8	984.0	1034.0	1085.7	1131.0	1171.8	1213.7	1255.3	1299.0	1347.8	1396.8
25°	902.9	958.9	1011.9	1063.0	1108.6	1159.6	1204.4	1260.0	1315.9	1380.5	1441.4
27.5°	876.1	929.6	978.3	1027.5	1080.8	1138.5	1196.7	1259.7	1332.9	1414.4	1500.3
30°	854.4	905.0	952.3	1002.8	1058.4	1123.4	1187.2	1262.0	1346.7	1438.4	1540.5
32.5°	829.0	875.7	921.6	975.3	1035.7	1104.3	1178.6	1260.7	1362.6	1466.8	1571.8
35°	785.7	824.7	872.0	929.2	997.5	1076.1	1162.1	1259.1	1375.9	1495.6	1584.1
37.5°	734.3	770.6	820.5	883.1	954.7	1039.0	1141.1	1256.2	1380.3	1475.8	1504.3
40°	699.7	733.4	785.3	850.2	923.4	1012.7	1124.6	1246.3	1366.5	1427.4	1403.9
42.5°	662.8	698.2	748.7	813.1	891.9	989.0	1103.9	1225.7	1326.4	1349.4	1268.4
45°	604.7	641.3	691.0	756.1	840.8	946.1	1065.8	1176.5	1234.5	1192.9	1067.5
47.5°	550.6	584.9	631.1	698.2	785.6	894.5	1009.8	1098.0	1102.6	1003.5	869.5
50°	513.8	545.4	591.9	658.9	745.8	856.0	960.0	1029.6	998.3	886.1	757.2
52.5°	477.6	508.6	554.4	620.8	706.6	807.6	904.4	953.2	894.4	779.1	669.1
55°	425.3	452.5	497.3	558.6	640.1	733.9	816.1	833.0	756.5	642.9	553.7
57.5°	374.3	399.7	440.5	496.9	571.3	654.4	718.7	715.2	634.3	536.9	466.0
60°	339.8	364.5	400.7	455.7	523.6	595.2	650.3	637.2	557.0	473.0	413.4
62.5°	308.9	330.9	365.1	413.3	475.2	541.6	586.8	567.4	488.9	415.4	368.3
65°	263.2	281.8	311.0	352.1	403.5	458.3	493.2	468.1	401.1	343.9	306.0
67.5°	219.8	234.6	259.0	291.9	335.7	379.7	401.0	375.7	322.1	280.4	252.3
70°	192.1	205.3	224.2	253.4	291.7	328.7	344.7	322.1	276.0	240.2	220.1
72.5°	164.5	175.3	191.9	218.2	248.8	281.0	295.0	273.4	235.5	205.3	186.5
75°	127.1	134.5	146.0	164.1	188.4	213.9	221.7	202.8	178.6	155.9	143.5
77.5°	91.0	97.3	106.0	117.4	134.6	150.8	157.6	146.7	127.9	113.6	103.5
80°	69.9	73.2	80.6	90.1	103.7	113.9	118.4	111.5	98.3	87.6	79.8
82.5°	49.8	53.2	57.6	65.4	74.1	81.0	85.9	81.2	71.7	63.3	58.7
85°	24.2	26.3	28.8	32.1	38.7	42.8	42.4	39.5	35.8	32.5	30.0
87.5°	8.8	9.3	10.5	12.3	13.4	14.8	15.6	15.1	13.9	13.1	12.2
90°	1.3	2.1	2.9	3.6	4.4	5.1	5.9	6.5	7.2	7.8	8.2
92.5°	11.5	12.0	12.6	13.2	13.9	14.7	15.6	16.5	17.3	18.0	18.7
95°	29.5	29.8	29.9	30.2	30.8	31.8	32.8	33.8	34.8	35.5	36.2
97.5°	48.9	49.0	49.0	49.1	49.8	51.3	52.6	54.0	55.4	56.1	56.7
100°	63.3	63.3	63.3	63.3	63.9	65.2	66.5	67.8	69.2	70.0	71.0
102.5°	79.2	79.6	80.0	80.4	81.0	81.6	82.3	82.9	83.6	84.6	85.6
105°	103.5	104.0	104.6	105.0	105.6	106.2	106.8	107.4	108.0	108.6	109.2
107.5°	130.3	130.8	131.3	131.8	132.3	132.8	133.2	133.6	134.1	134.4	134.8
110°	148.7	149.2	149.7	150.3	150.7	150.9	151.2	151.5	151.9	152.2	152.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	167.3	167.5	167.8	168.1	168.4	168.8	169.1	169.5	169.9	170.1	170.2
115°	195.2	195.6	196.0	196.4	196.7	196.9	197.1	197.3	197.5	197.4	197.3
117.5°	222.8	223.0	223.2	223.3	223.6	223.7	223.9	224.0	224.3	224.3	224.4
120°	240.5	241.0	241.5	242.0	242.2	242.4	242.5	242.6	242.6	242.6	242.6
122.5°	259.0	259.1	259.3	259.5	259.7	260.0	260.2	260.5	260.8	260.7	260.6
125°	284.9	285.4	286.1	286.7	287.0	287.1	287.2	287.3	287.4	287.2	287.0
127.5°	311.7	312.0	312.4	312.8	313.0	313.1	313.2	313.3	313.5	313.4	313.2
130°	328.1	328.7	329.2	329.6	330.0	330.2	330.4	330.6	330.8	330.7	330.6
132.5°	344.8	345.5	346.3	347.2	347.6	347.5	347.5	347.5	347.5	347.4	347.2
135°	370.3	370.9	371.5	372.1	372.4	372.6	372.6	372.7	372.8	372.8	372.8
137.5°	394.5	395.1	395.6	396.2	396.6	396.9	397.0	397.3	397.5	397.6	397.8
140°	410.0	410.4	410.9	411.5	411.9	412.2	412.5	412.7	413.0	413.3	413.4
142.5°	425.4	425.8	426.3	426.7	427.1	427.5	427.9	428.3	428.6	428.7	428.8
145°	448.2	448.7	449.1	449.5	449.8	450.1	450.4	450.8	451.0	451.0	451.0
147.5°	469.2	469.4	469.7	469.9	470.1	470.3	470.6	470.9	471.1	471.3	471.6
150°	483.0	482.9	482.8	482.7	482.8	483.2	483.6	484.0	484.4	484.4	484.4
152.5°	494.8	495.0	495.1	495.2	495.4	495.5	495.7	495.8	496.1	496.3	496.5
155°	512.5	512.5	512.5	512.5	512.5	512.6	512.7	512.9	512.9	513.3	513.7
157.5°	528.1	527.9	527.8	527.5	527.4	527.5	527.7	527.8	527.8	528.2	528.6
160°	537.5	537.2	536.9	536.5	536.5	536.5	536.7	536.8	536.9	537.3	537.7
162.5°	545.9	545.7	545.4	545.2	545.1	545.1	545.2	545.2	545.2	545.7	546.1
165°	557.0	556.8	556.6	556.4	556.3	556.4	556.6	556.7	556.7	557.1	557.5
167.5°	566.3	565.8	565.4	565.0	564.8	564.8	564.8	564.8	564.8	565.4	566.0
170°	571.2	570.8	570.5	570.1	569.9	569.9	569.9	569.9	569.9	570.5	571.1
172.5°	574.9	574.5	574.1	573.7	573.5	573.5	573.5	573.5	573.5	574.1	574.7
175°	578.9	578.5	578.1	577.7	577.6	577.6	577.6	577.6	577.6	578.1	578.8
177.5°	581.1	580.8	580.5	580.1	580.0	579.9	579.8	579.7	579.6	580.1	580.6
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	969.2	969.2	969.2	969.2	969.2	969.2	969.2
2.5°	1013.5	1016.2	1021.8	1019.8	1022.5	1023.7	1025.1
5°	1095.4	1108.6	1114.4	1113.5	1122.1	1120.1	1118.0
7.5°	1187.9	1201.7	1209.4	1219.1	1224.6	1225.0	1229.9
10°	1240.2	1258.3	1265.7	1276.0	1282.5	1286.3	1285.9
12.5°	1280.3	1294.5	1311.1	1316.1	1325.0	1329.7	1328.0
15°	1328.6	1351.3	1368.6	1377.2	1388.3	1391.5	1396.1
17.5°	1371.7	1402.1	1422.3	1449.1	1459.2	1465.4	1461.7
20°	1404.3	1444.2	1464.4	1496.5	1514.2	1523.6	1520.4
22.5°	1442.8	1486.1	1523.3	1551.1	1578.0	1590.8	1593.4
25°	1508.8	1568.0	1622.8	1659.4	1692.7	1700.5	1717.8
27.5°	1582.5	1652.4	1710.9	1749.4	1772.6	1781.3	1786.7
30°	1629.0	1698.4	1742.5	1767.1	1774.6	1773.7	1772.9
32.5°	1651.6	1695.2	1703.6	1696.7	1679.7	1665.5	1650.5
35°	1619.5	1587.0	1538.4	1475.9	1429.8	1383.4	1378.8
37.5°	1456.5	1352.6	1271.8	1181.5	1129.5	1097.3	1075.1
40°	1303.1	1185.1	1087.2	1011.1	958.0	937.1	916.5
42.5°	1136.6	1023.8	937.2	873.5	833.6	810.3	794.1
45°	923.4	823.9	756.1	710.0	678.3	660.2	649.9
47.5°	756.7	683.1	625.4	592.2	570.3	556.2	556.3
50°	667.2	596.8	558.6	532.3	513.3	502.2	504.3
52.5°	587.9	535.4	502.6	480.6	466.6	459.8	459.5
55°	491.5	453.7	432.3	416.3	406.8	399.0	400.7
57.5°	420.5	388.6	374.2	360.9	354.3	351.2	346.7
60°	376.4	351.7	339.4	328.7	322.1	319.6	315.1
62.5°	337.2	317.8	305.8	297.1	291.1	290.3	286.8
65°	283.4	268.6	257.9	253.8	247.6	246.0	246.0
67.5°	233.6	223.0	214.8	211.0	208.2	208.7	206.7
70°	202.4	193.8	188.4	184.3	182.2	182.6	181.0
72.5°	177.1	167.4	162.7	160.3	157.6	158.6	158.0
75°	134.1	129.1	126.7	124.2	122.6	121.8	121.0
77.5°	98.5	94.1	92.2	90.9	91.1	89.1	90.6
80°	76.1	72.4	71.1	69.1	68.7	68.7	68.3
82.5°	55.7	53.6	52.8	51.0	50.3	50.9	49.8
85°	28.8	27.2	26.8	26.8	25.9	25.1	27.2
87.5°	12.3	11.1	11.2	10.9	10.9	10.7	10.1
90°	8.7	9.3	9.7	10.0	10.2	10.5	10.9
92.5°	19.3	20.0	20.4	20.7	20.9	21.1	21.3
95°	36.9	37.6	38.0	38.3	38.5	38.7	38.9
97.5°	57.4	58.1	58.5	58.5	58.7	58.8	58.9
100°	71.9	72.7	73.3	73.5	73.8	73.9	74.1
102.5°	86.6	87.5	88.2	88.5	88.7	89.0	89.3
105°	109.8	110.4	110.9	111.1	111.5	111.8	112.1
107.5°	135.1	135.3	135.5	135.5	135.5	135.4	135.4
110°	152.7	153.0	153.1	153.0	153.0	152.8	152.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	170.3	170.5	170.5	170.3	170.1	169.9	169.8
115°	197.2	197.1	197.0	196.9	196.8	196.7	196.6
117.5°	224.5	224.6	224.4	224.0	223.6	223.2	222.8
120°	242.6	242.6	242.5	242.1	241.7	241.3	240.9
122.5°	260.5	260.5	260.2	259.9	259.6	259.3	259.0
125°	286.8	286.6	286.5	286.4	286.3	286.1	286.1
127.5°	313.1	313.1	312.9	312.7	312.5	312.3	312.1
130°	330.5	330.4	330.3	330.0	329.9	329.6	329.5
132.5°	347.1	347.1	346.8	346.6	346.3	346.0	345.7
135°	372.8	372.8	372.6	372.2	371.9	371.5	371.1
137.5°	397.8	398.0	397.8	397.3	396.8	396.3	395.8
140°	413.7	413.8	413.7	413.2	412.7	412.2	411.7
142.5°	429.0	429.0	428.9	428.4	427.9	427.4	426.9
145°	451.0	451.0	450.8	450.6	450.3	450.0	449.6
147.5°	471.8	472.1	471.8	471.1	470.5	469.8	469.1
150°	484.4	484.4	484.3	484.2	483.9	483.8	483.5
152.5°	496.8	497.0	496.9	496.5	496.2	495.8	495.5
155°	514.1	514.5	514.5	514.0	513.5	512.9	512.5
157.5°	529.0	529.4	529.3	528.6	528.0	527.4	526.6
160°	538.1	538.4	538.4	538.0	537.4	536.9	536.5
162.5°	546.6	547.2	547.1	546.5	545.9	545.3	544.7
165°	557.9	558.4	558.3	557.7	557.1	556.4	555.9
167.5°	566.6	567.2	567.2	566.6	565.9	565.3	564.7
170°	571.6	572.3	572.2	571.6	570.8	570.1	569.4
172.5°	575.3	575.9	575.9	575.3	574.6	574.0	573.4
175°	579.3	580.0	579.9	579.2	578.5	577.8	577.1
177.5°	581.1	581.5	581.5	581.0	580.4	579.8	579.2
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7

(END OF REPORT)