

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: P333243-927

Luminaire Tested: **S125DIP-S850D1205U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333243-927
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: S125DIP-S850D1205U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6161.0 lumens
Efficiency: N/A
Efficacy: 108.3 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: General Diffuse

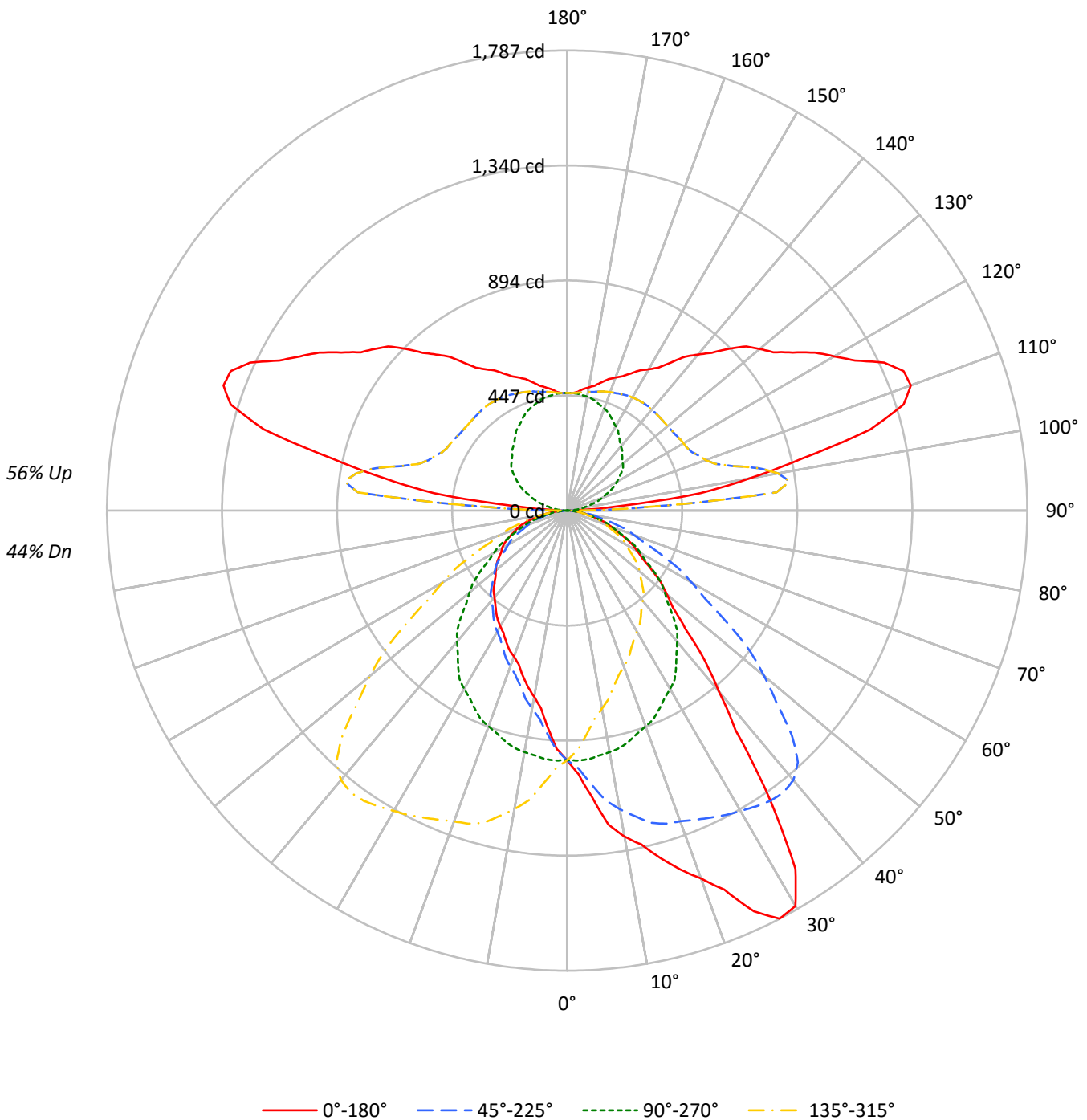
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	85	88	85	82	79	71	68	66	57	56	55	45	44	43	38
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	33	32	27
4	74	63	55	50	67	58	51	46	49	44	40	40	36	33	32	29	27	24
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	40	34	39	34	30	33	28	25	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	25	22	24	21	19	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

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	1.5
10°-20°	277.8	4.5
20°-30°	451.1	7.3
30°-40°	550.2	8.9
40°-50°	500.5	8.1
50°-60°	398.7	6.5
60°-70°	277.7	4.5
70°-80°	148.1	2.4
80°-90°	39.9	0.6
90°-100°	330.9	5.4
100°-110°	711.4	11.5
110°-120°	667.6	10.8
120°-130°	541.1	8.8
130°-140°	434.2	7.0
140°-150°	327.7	5.3
150°-160°	230.6	3.7
160°-170°	136.0	2.2
170°-180°	44.2	0.7
0°-30°	822.1	13.3
0°-40°	1372.3	22.3
0°-60°	2271.6	36.9
0°-90°	2737.2	44.4
90°-120°	1710.0	27.8
90°-150°	3013.0	48.9
90°-180°	3424.0	55.6
0°-180°	6161.0	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°	21	1	21	1	21	16
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°	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°	12.1	12.8	12.9	12.9	13.2	12.9	14.0	13.9	14.7	15.4	16.4
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°	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°	16.9	15.8	14.3	13.0	11.0	9.6	9.0	9.0	8.2	8.3	9.0
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: P333243-927

CATALOG NUMBER: S125DIP-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: P333243-927

CATALOG NUMBER: S125DIP-S850D1205U927-4F0-1E-UDD-A4

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°	9.7	10.7	10.6	11.2	11.5	12.5	12.4	13.9	14.7	15.5	15.6
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: P333243-927

CATALOG NUMBER: S125DIP-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: P333243-927

CATALOG NUMBER: S125DIP-S850D1205U927-4F0-1E-UDD-A4

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°	16.2	15.9	16.1	16.7	16.1	15.9	16.2	15.6	15.5	14.7	13.9
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: P333243-927

CATALOG NUMBER: S125DIP-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: P333243-927

CATALOG NUMBER: S125DIP-S850D1205U927-4F0-1E-UDD-A4

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°	12.4	12.5	11.5	11.2	10.6	10.7	9.7	9.0	8.3	8.2	9.0
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: P333243-927

CATALOG NUMBER: S125DIP-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: P333243-927

CATALOG NUMBER: S125DIP-S850D1205U927-4F0-1E-UDD-A4

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°	9.0	9.6	11.0	13.0	14.3	15.8	16.9	16.4	15.4	14.7	13.9
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°	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°	14.0	12.9	13.2	12.9	12.9	12.8	12.1
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)