

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: P333225-927

Luminaire Tested: **S125DIP-S850D810U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333225-927
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-S850D810U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5040.3 lumens
Efficiency: N/A
Efficacy: 109.8 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

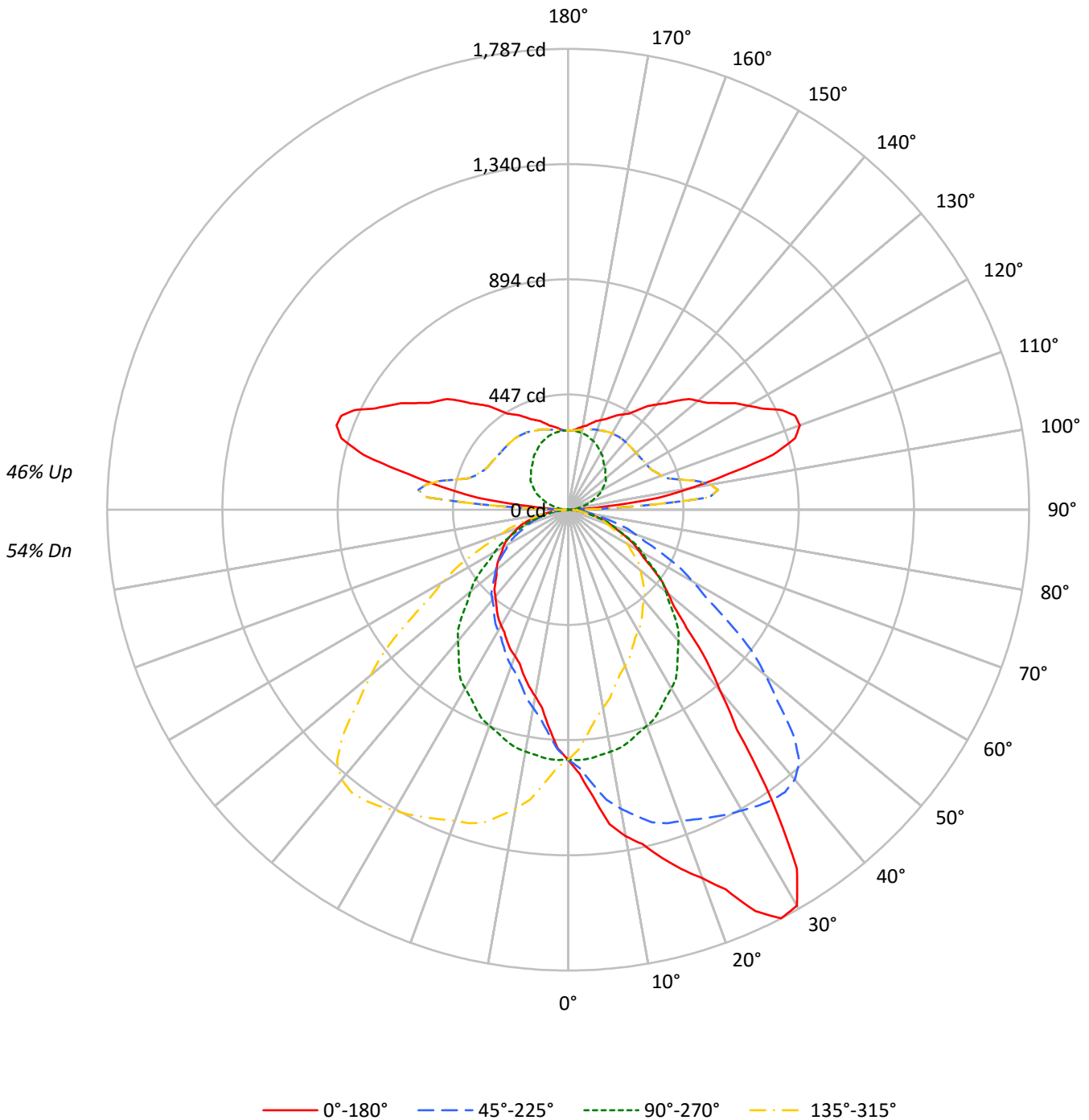
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	53	52	51	46
2	90	83	77	72	84	77	72	67	66	63	59	57	54	51	47	45	43	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	43	42	39	37	33
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	38	35	32	29
5	69	58	50	44	64	54	47	41	47	41	37	40	36	32	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	36	32	29	31	27	25	22
7	59	47	39	33	55	44	37	32	38	33	28	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	22	20	17
9	51	39	31	26	47	37	30	25	32	27	23	28	23	20	24	20	18	16
10	48	36	28	24	44	34	27	23	30	24	20	26	21	18	22	19	16	14

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



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	1.9
10°-20°	277.8	5.5
20°-30°	451.1	8.9
30°-40°	550.2	10.9
40°-50°	500.5	9.9
50°-60°	398.7	7.9
60°-70°	277.7	5.5
70°-80°	148.1	2.9
80°-90°	39.1	0.8
90°-100°	222.7	4.4
100°-110°	478.7	9.5
110°-120°	449.3	8.9
120°-130°	364.1	7.2
130°-140°	292.2	5.8
140°-150°	220.5	4.4
150°-160°	155.2	3.1
160°-170°	91.5	1.8
170°-180°	29.8	0.6
0°-30°	822.1	16.3
0°-40°	1372.3	27.2
0°-60°	2271.6	45.1
0°-90°	2736.4	54.3
90°-120°	1150.7	22.8
90°-150°	2027.5	40.2
90°-180°	2304.0	45.7
0°-180°	5040.3	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°	14	1	14	1	14	11
95°	146	20	146	20	146	206
105°	821	70	821	70	821	816
115°	914	125	914	125	914	893
125°	720	173	720	173	720	652
135°	598	203	598	203	598	464
145°	472	237	472	237	472	300
155°	396	270	396	270	396	184
165°	347	295	347	295	347	99
175°	312	307	312	307	312	30
180°	307	307	307	307	307	



TEST NUMBER: P333225-927

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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°	10.8	11.4	11.6	11.6	12.0	11.7	12.9	12.8	13.6	14.5	15.5
90°	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2	10.5	9.9	8.6
92.5°	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8	161.7	199.7	202.9
95°	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4	537.0	548.8	447.8
97.5°	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3	679.5	586.1	399.9
100°	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8	714.2	559.4	356.8
102.5°	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0	693.4	512.2	324.1
105°	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5	626.9	449.1	292.4
107.5°	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6	559.0	405.6	279.0
110°	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1	520.3	385.2	275.0



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5	491.5	373.4	275.0
115°	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4	460.2	360.5	276.9
117.5°	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5	441.5	354.2	281.0
120°	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6	431.1	351.2	284.9
122.5°	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3	422.2	348.7	288.4
125°	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8	410.0	345.6	294.2
127.5°	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0	398.9	344.1	300.8
130°	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6	391.5	343.2	304.8
132.5°	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2	385.6	343.2	309.2
135°	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1	378.4	343.2	315.3
137.5°	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5	372.2	343.9	320.8
140°	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0	369.2	344.4	323.3
142.5°	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6	366.7	344.9	324.8
145°	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1	363.0	344.4	326.5
147.5°	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2	359.1	342.8	327.0
150°	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8	356.2	341.3	327.0
152.5°	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8	352.7	339.3	326.5
155°	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4	346.9	335.7	325.2
157.5°	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0	341.4	332.0	323.6
160°	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0	337.0	329.5	322.1
162.5°	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5	333.0	326.5	320.6
165°	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0	327.0	322.1	318.4
167.5°	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8	321.2	317.7	314.9
170°	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8	317.7	315.3	313.4
172.5°	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4	314.3	312.3	311.4
175°	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6	309.7	309.1	309.1
177.5°	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2	307.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

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°	16.1	15.2	13.7	12.5	10.6	9.3	8.8	9.0	8.2	8.1	8.6
90°	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6	1.3	2.5	3.7
92.5°	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5	9.2	14.3	22.0
95°	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4	21.1	26.0	32.8
97.5°	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9	34.7	38.2	45.0
100°	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3	44.6	47.1	53.9
102.5°	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8	54.5	56.5	63.8
105°	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0	70.0	73.1	79.3
107.5°	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9	87.1	90.1	95.1
110°	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3	98.5	100.9	106.5



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6	109.9	111.9	117.4
115°	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1	126.4	128.3	133.8
117.5°	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0	141.9	143.9	149.4
120°	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9	151.8	154.2	159.8
122.5°	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3	161.7	163.7	169.2
125°	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4	174.7	177.8	183.3
127.5°	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7	185.6	189.6	196.6
130°	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1	192.0	196.9	205.0
132.5°	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1	197.5	203.4	212.5
135°	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2	205.7	213.1	223.0
137.5°	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3	215.2	222.1	232.0
140°	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3	221.1	228.5	238.4
142.5°	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2	227.6	234.5	244.4
145°	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6	237.8	244.1	252.7
147.5°	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5	248.3	253.6	261.7
150°	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0	255.2	259.5	267.6
152.5°	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9	261.7	265.5	272.5
155°	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1	270.1	273.8	280.0
157.5°	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2	278.1	281.1	286.4
160°	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7	283.0	285.6	289.9
162.5°	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1	287.6	290.0	293.8
165°	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9	293.6	295.5	298.6
167.5°	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3	298.7	299.8	301.5
170°	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3	301.7	302.3	303.5
172.5°	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3	303.2	303.7	305.0
175°	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6	305.4	306.0	306.6
177.5°	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7	306.7	306.7	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-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°	9.2	10.1	9.9	10.5	10.6	11.5	11.3	12.8	13.5	14.3	14.3
90°	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2	11.8	12.4	13.6
92.5°	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8	79.7	60.0	50.8
95°	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4	351.2	275.0	223.0
97.5°	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3	597.2	523.0	450.7
100°	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8	731.5	667.7	603.3
102.5°	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0	813.8	783.2	739.6
105°	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5	860.4	887.6	880.8
107.5°	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6	818.9	888.8	921.1
110°	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1	771.7	859.1	911.7



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5	725.2	813.5	875.6
115°	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4	658.5	743.3	810.8
117.5°	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5	612.2	685.3	747.3
120°	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6	586.0	654.1	708.6
122.5°	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3	567.1	627.8	678.9
125°	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8	542.0	595.9	640.5
127.5°	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0	517.9	568.2	610.0
130°	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6	501.1	549.4	589.7
132.5°	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2	485.2	529.1	567.8
135°	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1	460.8	500.5	535.8
137.5°	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5	439.0	472.0	501.9
140°	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0	426.1	454.6	480.6
142.5°	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6	415.3	439.7	462.3
145°	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1	401.4	420.6	437.3
147.5°	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2	389.8	404.6	417.2
150°	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8	383.4	395.1	406.3
152.5°	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8	377.0	387.8	396.4
155°	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4	367.3	376.0	382.8
157.5°	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0	358.1	364.8	370.2
160°	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0	351.2	357.4	361.7
162.5°	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5	345.2	350.5	354.3
165°	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0	336.4	340.1	343.2
167.5°	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8	327.6	330.5	332.7
170°	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8	322.7	324.6	325.8
172.5°	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4	318.2	319.6	320.4
175°	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6	311.6	312.8	312.8
177.5°	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2	308.7	308.7	308.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-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°	14.9	14.6	14.7	15.4	14.7	14.6	14.9	14.3	14.3	13.5	12.8
90°	13.6	13.6	14.3	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2
92.5°	42.9	41.4	40.5	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8
95°	179.0	160.4	155.5	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4
97.5°	412.4	377.7	359.7	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3
100°	560.5	515.9	493.1	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8
102.5°	693.9	662.1	637.2	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0
105°	860.9	840.5	828.1	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5
107.5°	931.2	931.1	927.0	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6
110°	939.6	951.4	955.8	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	916.3	936.5	947.3	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5
115°	859.1	888.8	906.2	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4
117.5°	795.6	826.2	843.5	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5
120°	754.4	784.2	800.9	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6
122.5°	719.8	747.0	763.7	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3
125°	675.2	700.5	714.2	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8
127.5°	641.4	663.8	676.8	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0
130°	620.7	641.1	653.5	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6
132.5°	598.8	619.2	630.7	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2
135°	563.0	583.4	594.6	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1
137.5°	526.4	544.9	555.2	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5
140°	503.6	519.7	528.9	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0
142.5°	481.8	495.4	504.2	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6
145°	452.2	462.7	469.5	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1
147.5°	429.0	437.4	441.4	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2
150°	415.7	423.0	425.6	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8
152.5°	404.3	410.2	412.6	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8
155°	389.0	393.3	395.1	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4
157.5°	375.0	378.6	380.3	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0
160°	366.1	369.2	370.4	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0
162.5°	357.7	360.2	360.5	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5
165°	345.6	346.9	346.9	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0
167.5°	334.0	335.1	334.6	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8
170°	327.0	327.6	327.6	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8
172.5°	320.6	321.7	320.8	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4
175°	312.8	313.4	312.2	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6
177.5°	308.2	308.7	307.2	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-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°	11.3	11.5	10.6	10.5	9.9	10.1	9.2	8.6	8.1	8.2	9.0
90°	10.5	9.9	8.6	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6
92.5°	161.7	199.7	202.9	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5
95°	537.0	548.8	447.8	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4
97.5°	679.5	586.1	399.9	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9
100°	714.2	559.4	356.8	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3
102.5°	693.4	512.2	324.1	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8
105°	626.9	449.1	292.4	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0
107.5°	559.0	405.6	279.0	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9
110°	520.3	385.2	275.0	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	491.5	373.4	275.0	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6
115°	460.2	360.5	276.9	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1
117.5°	441.5	354.2	281.0	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0
120°	431.1	351.2	284.9	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9
122.5°	422.2	348.7	288.4	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3
125°	410.0	345.6	294.2	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4
127.5°	398.9	344.1	300.8	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7
130°	391.5	343.2	304.8	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1
132.5°	385.6	343.2	309.2	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1
135°	378.4	343.2	315.3	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2
137.5°	372.2	343.9	320.8	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3
140°	369.2	344.4	323.3	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3
142.5°	366.7	344.9	324.8	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2
145°	363.0	344.4	326.5	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6
147.5°	359.1	342.8	327.0	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5
150°	356.2	341.3	327.0	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0
152.5°	352.7	339.3	326.5	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9
155°	346.9	335.7	325.2	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1
157.5°	341.4	332.0	323.6	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2
160°	337.0	329.5	322.1	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7
162.5°	333.0	326.5	320.6	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1
165°	327.0	322.1	318.4	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9
167.5°	321.2	317.7	314.9	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3
170°	317.7	315.3	313.4	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3
172.5°	314.3	312.3	311.4	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3
175°	309.7	309.1	309.1	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6
177.5°	307.7	307.2	307.2	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-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°	8.8	9.3	10.6	12.5	13.7	15.2	16.1	15.5	14.5	13.6	12.8
90°	1.3	2.5	3.7	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2
92.5°	9.2	14.3	22.0	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8
95°	21.1	26.0	32.8	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4
97.5°	34.7	38.2	45.0	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3
100°	44.6	47.1	53.9	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8
102.5°	54.5	56.5	63.8	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0
105°	70.0	73.1	79.3	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5
107.5°	87.1	90.1	95.1	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6
110°	98.5	100.9	106.5	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	109.9	111.9	117.4	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5
115°	126.4	128.3	133.8	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4
117.5°	141.9	143.9	149.4	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5
120°	151.8	154.2	159.8	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6
122.5°	161.7	163.7	169.2	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3
125°	174.7	177.8	183.3	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8
127.5°	185.6	189.6	196.6	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0
130°	192.0	196.9	205.0	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6
132.5°	197.5	203.4	212.5	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2
135°	205.7	213.1	223.0	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1
137.5°	215.2	222.1	232.0	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5
140°	221.1	228.5	238.4	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0
142.5°	227.6	234.5	244.4	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6
145°	237.8	244.1	252.7	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1
147.5°	248.3	253.6	261.7	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2
150°	255.2	259.5	267.6	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8
152.5°	261.7	265.5	272.5	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8
155°	270.1	273.8	280.0	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4
157.5°	278.1	281.1	286.4	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0
160°	283.0	285.6	289.9	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0
162.5°	287.6	290.0	293.8	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5
165°	293.6	295.5	298.6	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0
167.5°	298.7	299.8	301.5	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8
170°	301.7	302.3	303.5	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8
172.5°	303.2	303.7	305.0	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4
175°	305.4	306.0	306.6	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6
177.5°	306.7	306.7	307.2	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

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°	12.9	11.7	12.0	11.6	11.6	11.4	10.8
90°	11.8	12.4	13.6	13.6	13.6	14.3	14.3
92.5°	79.7	60.0	50.8	42.9	41.4	40.5	39.5
95°	351.2	275.0	223.0	179.0	160.4	155.5	145.5
97.5°	597.2	523.0	450.7	412.4	377.7	359.7	351.8
100°	731.5	667.7	603.3	560.5	515.9	493.1	483.2
102.5°	813.8	783.2	739.6	693.9	662.1	637.2	629.8
105°	860.4	887.6	880.8	860.9	840.5	828.1	820.7
107.5°	818.9	888.8	921.1	931.2	931.1	927.0	922.0
110°	771.7	859.1	911.7	939.6	951.4	955.8	955.8



TEST NUMBER: P333225-927

CATALOG NUMBER: S125DIP-S850D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	725.2	813.5	875.6	916.3	936.5	947.3	951.8
115°	658.5	743.3	810.8	859.1	888.8	906.2	914.3
117.5°	612.2	685.3	747.3	795.6	826.2	843.5	848.4
120°	586.0	654.1	708.6	754.4	784.2	800.9	805.8
122.5°	567.1	627.8	678.9	719.8	747.0	763.7	768.2
125°	542.0	595.9	640.5	675.2	700.5	714.2	720.3
127.5°	517.9	568.2	610.0	641.4	663.8	676.8	679.5
130°	501.1	549.4	589.7	620.7	641.1	653.5	657.2
132.5°	485.2	529.1	567.8	598.8	619.2	630.7	634.9
135°	460.8	500.5	535.8	563.0	583.4	594.6	598.3
137.5°	439.0	472.0	501.9	526.4	544.9	555.2	559.4
140°	426.1	454.6	480.6	503.6	519.7	528.9	532.0
142.5°	415.3	439.7	462.3	481.8	495.4	504.2	506.8
145°	401.4	420.6	437.3	452.2	462.7	469.5	472.0
147.5°	389.8	404.6	417.2	429.0	437.4	441.4	442.5
150°	383.4	395.1	406.3	415.7	423.0	425.6	426.1
152.5°	377.0	387.8	396.4	404.3	410.2	412.6	413.3
155°	367.3	376.0	382.8	389.0	393.3	395.1	395.8
157.5°	358.1	364.8	370.2	375.0	378.6	380.3	380.2
160°	351.2	357.4	361.7	366.1	369.2	370.4	369.8
162.5°	345.2	350.5	354.3	357.7	360.2	360.5	360.4
165°	336.4	340.1	343.2	345.6	346.9	346.9	346.9
167.5°	327.6	330.5	332.7	334.0	335.1	334.6	334.5
170°	322.7	324.6	325.8	327.0	327.6	327.6	327.0
172.5°	318.2	319.6	320.4	320.6	321.7	320.8	320.1
175°	311.6	312.8	312.8	312.8	313.4	312.2	311.6
177.5°	308.7	308.7	308.7	308.2	308.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2

(END OF REPORT)