

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: P333413-927

Luminaire Tested: **S125DIW-S850D1050U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333413-927
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: S125DIW-S850D1050U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5615.2 lumens
Efficiency: N/A
Efficacy: 106.8 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

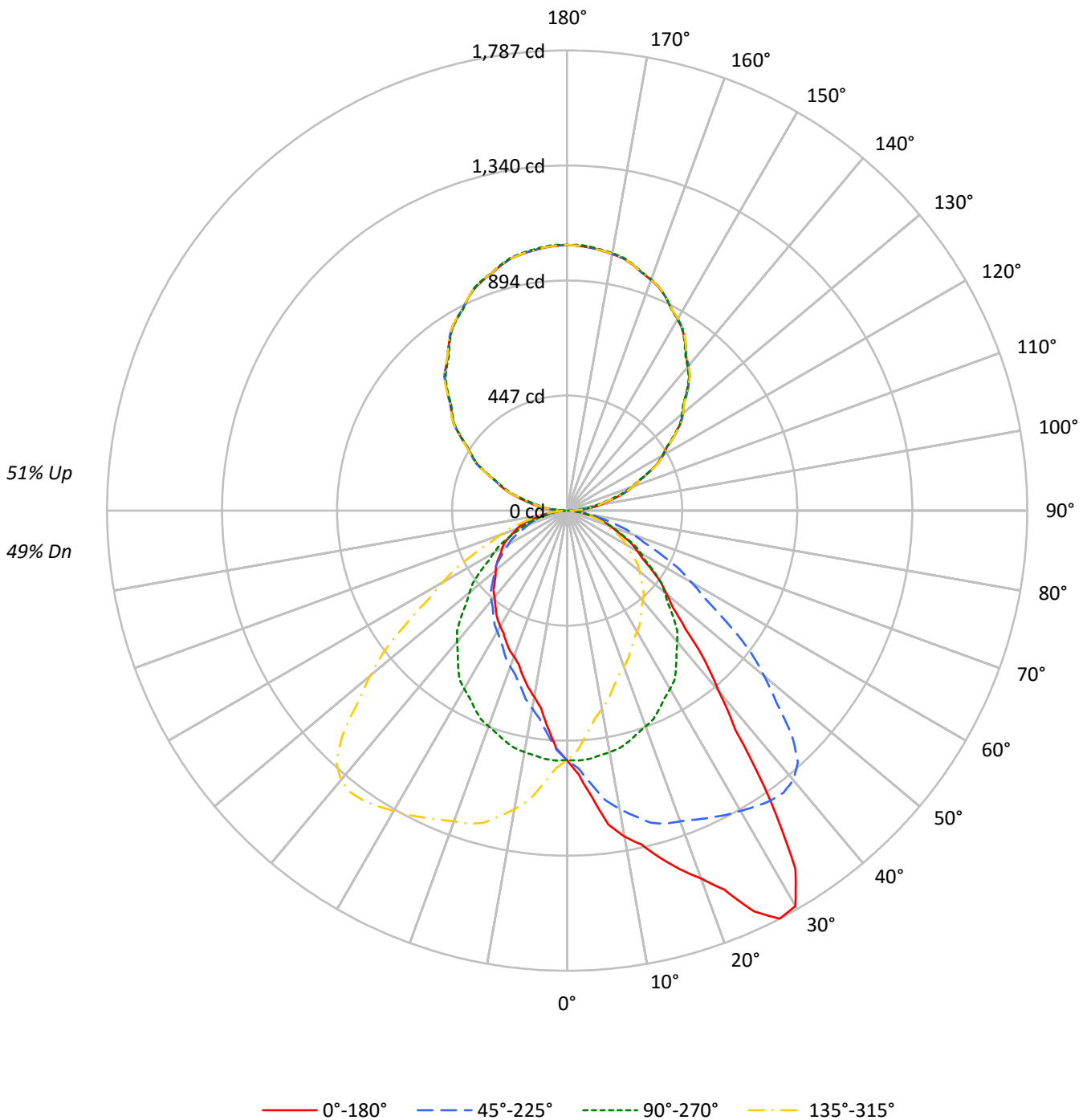
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	42
2	89	82	76	71	82	76	70	66	64	60	57	53	51	48	43	41	40	35
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	39	36	34	30
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13

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	1.7
10°-20°	277.8	4.9
20°-30°	451.1	8.0
30°-40°	550.2	9.8
40°-50°	500.5	8.9
50°-60°	398.7	7.1
60°-70°	277.7	4.9
70°-80°	148.1	2.6
80°-90°	39.6	0.7
90°-100°	69.1	1.2
100°-110°	204.0	3.6
110°-120°	345.5	6.2
120°-130°	454.7	8.1
130°-140°	509.6	9.1
140°-150°	499.4	8.9
150°-160°	419.5	7.5
160°-170°	278.8	5.0
170°-180°	97.6	1.7
0°-30°	822.1	14.6
0°-40°	1372.3	24.4
0°-60°	2271.6	40.5
0°-90°	2737.0	48.7
90°-120°	618.6	11.0
90°-150°	2082.3	37.1
90°-180°	2878.0	51.3
0°-180°	5615.2	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°	19	1	19	1	19	12
95°	69	52	69	52	69	70
105°	199	183	199	183	199	211
115°	349	346	349	346	349	345
125°	508	505	508	505	508	454
135°	659	657	659	657	659	508
145°	799	795	799	795	799	499
155°	910	910	910	910	910	419
165°	987	990	987	990	987	278
175°	1025	1029	1025	1029	1025	97
180°	1031	1031	1031	1031	1031	



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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°	11.7	12.3	12.5	12.4	12.7	12.5	13.6	13.5	14.3	15.1	16.2
90°	19.3	18.7	18.2	17.7	17.1	16.4	15.5	14.7	13.7	12.8	11.6
92.5°	37.9	37.5	37.1	36.7	36.3	35.6	34.4	33.2	32.0	30.8	29.3
95°	69.0	68.7	68.3	68.0	67.6	66.8	65.5	64.3	63.1	61.8	60.0
97.5°	104.6	104.5	104.3	104.0	103.8	103.1	102.0	100.8	99.6	98.4	95.9
100°	131.7	131.3	130.9	130.6	130.2	129.2	127.6	126.0	124.5	122.8	120.5
102.5°	158.6	158.1	157.6	157.1	156.6	155.5	153.8	152.0	150.3	148.5	147.3
105°	199.1	198.5	198.0	197.5	196.9	196.1	195.0	194.0	192.9	191.9	190.8
107.5°	240.5	240.5	240.6	240.6	240.7	240.3	239.9	239.3	238.8	238.2	237.4
110°	271.3	271.5	271.6	271.9	272.0	271.9	271.3	270.8	270.2	269.7	269.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	301.5	301.8	302.1	302.5	302.8	302.8	302.5	302.3	302.1	301.8	301.1
115°	349.2	349.4	349.5	349.7	349.9	350.1	350.2	350.4	350.6	350.8	350.4
117.5°	395.7	396.4	397.1	397.8	398.5	398.9	398.7	398.5	398.5	398.3	398.0
120°	427.9	428.6	429.3	430.0	430.7	431.0	431.0	431.0	431.0	431.0	430.9
122.5°	459.9	460.5	461.1	461.7	462.2	462.6	462.7	462.9	463.0	463.2	462.7
125°	508.1	508.3	508.4	508.7	508.8	509.1	509.5	509.8	510.2	510.5	510.3
127.5°	554.4	554.7	555.1	555.4	555.8	556.0	556.2	556.3	556.6	556.7	556.5
130°	585.2	585.5	585.9	586.2	586.6	586.8	587.0	587.2	587.4	587.6	587.2
132.5°	614.0	614.6	615.1	615.5	616.1	616.4	616.6	616.7	617.0	617.1	617.2
135°	659.0	659.7	660.4	661.2	661.9	662.2	662.2	662.2	662.2	662.2	662.0
137.5°	703.0	703.9	704.8	705.7	706.5	706.9	706.7	706.5	706.2	706.1	705.7
140°	731.3	732.1	733.0	734.0	734.8	735.1	734.7	734.4	734.0	733.6	733.1
142.5°	758.2	759.1	760.0	760.9	761.8	762.2	761.9	761.7	761.4	761.3	760.6
145°	798.7	799.2	799.7	800.3	800.8	801.1	801.1	801.1	801.1	801.1	800.6
147.5°	833.2	834.4	835.6	836.9	838.0	838.4	838.0	837.6	837.2	836.7	836.3
150°	858.9	859.2	859.6	859.9	860.3	860.5	860.5	860.5	860.5	860.5	859.8
152.5°	880.0	880.7	881.4	882.0	882.6	882.7	882.3	881.9	881.5	881.1	880.7
155°	910.2	911.2	912.0	912.9	913.8	913.9	913.2	912.5	911.8	911.1	910.9
157.5°	935.5	936.6	937.8	939.0	940.2	940.4	939.7	939.0	938.3	937.5	937.4
160°	952.8	953.7	954.6	955.5	956.3	956.5	955.8	955.1	954.3	953.6	953.4
162.5°	967.6	968.6	969.6	970.7	971.7	971.8	970.9	970.1	969.2	968.4	968.4
165°	987.3	988.4	989.4	990.5	991.6	991.7	991.0	990.3	989.6	988.9	988.7
167.5°	1003.1	1004.2	1005.3	1006.4	1007.5	1007.5	1006.4	1005.4	1004.2	1003.2	1003.2
170°	1011.4	1012.6	1013.9	1015.1	1016.4	1016.4	1015.4	1014.3	1013.3	1012.2	1012.2
172.5°	1018.4	1019.5	1020.6	1021.8	1022.9	1022.9	1021.8	1020.7	1019.7	1018.6	1018.6
175°	1025.0	1026.3	1027.5	1028.8	1030.0	1030.2	1029.0	1027.9	1026.9	1025.8	1025.8
177.5°	1028.9	1029.9	1030.9	1031.9	1032.8	1032.9	1032.1	1031.3	1030.4	1029.5	1029.7
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



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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°	16.6	15.6	14.1	12.8	10.9	9.6	9.0	9.0	8.3	8.3	9.0
90°	10.4	9.1	7.8	6.5	5.1	3.6	2.2	0.8	2.2	3.6	5.1
92.5°	27.7	26.2	24.7	23.4	22.4	21.4	20.4	19.4	20.4	21.4	22.4
95°	58.2	56.5	54.7	53.6	53.2	52.9	52.5	52.2	52.5	52.9	53.2
97.5°	93.5	91.0	88.6	87.3	87.1	87.0	86.8	86.7	86.8	87.0	87.1
100°	118.2	115.8	113.5	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4
102.5°	146.2	145.0	143.8	142.8	142.1	141.4	140.7	140.0	140.7	141.4	142.1
105°	189.7	188.6	187.6	186.6	185.7	184.8	183.9	183.0	183.9	184.8	185.7
107.5°	236.6	235.8	235.0	234.1	233.2	232.3	231.4	230.5	231.4	232.3	233.2
110°	268.6	268.1	267.6	266.9	265.9	265.1	264.2	263.2	264.2	265.1	265.9



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	300.5	299.8	299.1	298.5	298.1	297.6	297.1	296.7	297.1	297.6	298.1
115°	350.1	349.7	349.4	348.8	348.1	347.4	346.7	345.9	346.7	347.4	348.1
117.5°	397.7	397.4	397.0	396.7	396.3	396.0	395.7	395.4	395.7	396.0	396.3
120°	430.7	430.5	430.3	429.8	428.9	428.0	427.1	426.2	427.1	428.0	428.9
122.5°	462.2	461.8	461.3	460.9	460.6	460.3	459.9	459.6	459.9	460.3	460.6
125°	510.2	510.0	509.8	509.1	508.1	507.0	506.0	504.9	506.0	507.0	508.1
127.5°	556.3	556.1	555.9	555.5	554.8	554.3	553.7	553.0	553.7	554.3	554.8
130°	586.8	586.5	586.1	585.5	584.6	583.8	582.8	581.9	582.8	583.8	584.6
132.5°	617.3	617.3	617.4	616.7	615.2	613.8	612.3	610.9	612.3	613.8	615.2
135°	661.9	661.7	661.5	660.9	659.8	658.7	657.7	656.6	657.7	658.7	659.8
137.5°	705.3	704.9	704.5	703.8	702.7	701.7	700.7	699.7	700.7	701.7	702.7
140°	732.6	732.1	731.5	730.8	729.9	729.0	728.1	727.2	728.1	729.0	729.9
142.5°	759.9	759.2	758.6	757.9	757.1	756.4	755.6	754.9	755.6	756.4	757.1
145°	800.0	799.5	798.9	798.3	797.6	796.9	796.1	795.4	796.1	796.9	797.6
147.5°	835.8	835.4	835.0	834.6	834.2	833.9	833.5	833.1	833.5	833.9	834.2
150°	859.0	858.3	857.6	857.4	857.5	857.7	857.9	858.1	857.9	857.7	857.5
152.5°	880.4	880.2	879.9	879.6	879.4	879.1	878.8	878.6	878.8	879.1	879.4
155°	910.7	910.5	910.3	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
157.5°	937.2	937.0	936.8	936.9	937.3	937.7	938.1	938.5	938.1	937.7	937.3
160°	953.2	953.1	952.9	953.1	953.6	954.1	954.7	955.2	954.7	954.1	953.6
162.5°	968.3	968.3	968.2	968.4	968.8	969.2	969.6	969.9	969.6	969.2	968.8
165°	988.6	988.4	988.2	988.2	988.6	989.0	989.4	989.8	989.4	989.0	988.6
167.5°	1003.2	1003.2	1003.2	1003.5	1004.2	1005.0	1005.7	1006.4	1005.7	1005.0	1004.2
170°	1012.2	1012.2	1012.2	1012.6	1013.3	1014.0	1014.7	1015.4	1014.7	1014.0	1013.3
172.5°	1018.6	1018.6	1018.6	1019.0	1019.7	1020.4	1021.1	1021.8	1021.1	1020.4	1019.7
175°	1025.8	1025.8	1025.8	1026.2	1026.9	1027.6	1028.3	1029.0	1028.3	1027.6	1026.9
177.5°	1029.8	1029.9	1030.1	1030.5	1031.0	1031.6	1032.1	1032.8	1032.1	1031.6	1031.0
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-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°	9.5	10.5	10.4	10.9	11.2	12.1	12.0	13.5	14.3	15.1	15.0
90°	6.5	7.8	9.1	10.4	11.6	12.8	13.7	14.7	15.5	16.4	17.1
92.5°	23.4	24.7	26.2	27.7	29.3	30.8	32.0	33.2	34.4	35.6	36.3
95°	53.6	54.7	56.5	58.2	60.0	61.8	63.1	64.3	65.5	66.8	67.6
97.5°	87.3	88.6	91.0	93.5	95.9	98.4	99.6	100.8	102.0	103.1	103.8
100°	112.4	113.5	115.8	118.2	120.5	122.8	124.5	126.0	127.6	129.2	130.2
102.5°	142.8	143.8	145.0	146.2	147.3	148.5	150.3	152.0	153.8	155.5	156.6
105°	186.6	187.6	188.6	189.7	190.8	191.9	192.9	194.0	195.0	196.1	196.9
107.5°	234.1	235.0	235.8	236.6	237.4	238.2	238.8	239.3	239.9	240.3	240.7
110°	266.9	267.6	268.1	268.6	269.2	269.7	270.2	270.8	271.3	271.9	272.0



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	298.5	299.1	299.8	300.5	301.1	301.8	302.1	302.3	302.5	302.8	302.8
115°	348.8	349.4	349.7	350.1	350.4	350.8	350.6	350.4	350.2	350.1	349.9
117.5°	396.7	397.0	397.4	397.7	398.0	398.3	398.5	398.5	398.7	398.9	398.5
120°	429.8	430.3	430.5	430.7	430.9	431.0	431.0	431.0	431.0	431.0	430.7
122.5°	460.9	461.3	461.8	462.2	462.7	463.2	463.0	462.9	462.7	462.6	462.2
125°	509.1	509.8	510.0	510.2	510.3	510.5	510.2	509.8	509.5	509.1	508.8
127.5°	555.5	555.9	556.1	556.3	556.5	556.7	556.6	556.3	556.2	556.0	555.8
130°	585.5	586.1	586.5	586.8	587.2	587.6	587.4	587.2	587.0	586.8	586.6
132.5°	616.7	617.4	617.3	617.3	617.2	617.1	617.0	616.7	616.6	616.4	616.1
135°	660.9	661.5	661.7	661.9	662.0	662.2	662.2	662.2	662.2	662.2	661.9
137.5°	703.8	704.5	704.9	705.3	705.7	706.1	706.2	706.5	706.7	706.9	706.5
140°	730.8	731.5	732.1	732.6	733.1	733.6	734.0	734.4	734.7	735.1	734.8
142.5°	757.9	758.6	759.2	759.9	760.6	761.3	761.4	761.7	761.9	762.2	761.8
145°	798.3	798.9	799.5	800.0	800.6	801.1	801.1	801.1	801.1	801.1	800.8
147.5°	834.6	835.0	835.4	835.8	836.3	836.7	837.2	837.6	838.0	838.4	838.0
150°	857.4	857.6	858.3	859.0	859.8	860.5	860.5	860.5	860.5	860.5	860.3
152.5°	879.6	879.9	880.2	880.4	880.7	881.1	881.5	881.9	882.3	882.7	882.6
155°	910.2	910.3	910.5	910.7	910.9	911.1	911.8	912.5	913.2	913.9	913.8
157.5°	936.9	936.8	937.0	937.2	937.4	937.5	938.3	939.0	939.7	940.4	940.2
160°	953.1	952.9	953.1	953.2	953.4	953.6	954.3	955.1	955.8	956.5	956.3
162.5°	968.4	968.2	968.3	968.3	968.4	968.4	969.2	970.1	970.9	971.8	971.7
165°	988.2	988.2	988.4	988.6	988.7	988.9	989.6	990.3	991.0	991.7	991.6
167.5°	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.2	1005.4	1006.4	1007.5	1007.5
170°	1012.6	1012.2	1012.2	1012.2	1012.2	1012.2	1013.3	1014.3	1015.4	1016.4	1016.4
172.5°	1019.0	1018.6	1018.6	1018.6	1018.6	1018.6	1019.7	1020.7	1021.8	1022.9	1022.9
175°	1026.2	1025.8	1025.8	1025.8	1025.8	1025.8	1026.9	1027.9	1029.0	1030.2	1030.0
177.5°	1030.5	1030.1	1029.9	1029.8	1029.7	1029.5	1030.4	1031.3	1032.1	1032.9	1032.8
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-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°	15.7	15.4	15.6	16.3	15.6	15.4	15.7	15.0	15.1	14.3	13.5
90°	17.7	18.2	18.7	19.3	18.7	18.2	17.7	17.1	16.4	15.5	14.7
92.5°	36.7	37.1	37.5	37.9	37.5	37.1	36.7	36.3	35.6	34.4	33.2
95°	68.0	68.3	68.7	69.0	68.7	68.3	68.0	67.6	66.8	65.5	64.3
97.5°	104.0	104.3	104.5	104.6	104.5	104.3	104.0	103.8	103.1	102.0	100.8
100°	130.6	130.9	131.3	131.7	131.3	130.9	130.6	130.2	129.2	127.6	126.0
102.5°	157.1	157.6	158.1	158.6	158.1	157.6	157.1	156.6	155.5	153.8	152.0
105°	197.5	198.0	198.5	199.1	198.5	198.0	197.5	196.9	196.1	195.0	194.0
107.5°	240.6	240.6	240.5	240.5	240.5	240.6	240.6	240.7	240.3	239.9	239.3
110°	271.9	271.6	271.5	271.3	271.5	271.6	271.9	272.0	271.9	271.3	270.8



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	302.5	302.1	301.8	301.5	301.8	302.1	302.5	302.8	302.8	302.5	302.3
115°	349.7	349.5	349.4	349.2	349.4	349.5	349.7	349.9	350.1	350.2	350.4
117.5°	397.8	397.1	396.4	395.7	396.4	397.1	397.8	398.5	398.9	398.7	398.5
120°	430.0	429.3	428.6	427.9	428.6	429.3	430.0	430.7	431.0	431.0	431.0
122.5°	461.7	461.1	460.5	459.9	460.5	461.1	461.7	462.2	462.6	462.7	462.9
125°	508.7	508.4	508.3	508.1	508.3	508.4	508.7	508.8	509.1	509.5	509.8
127.5°	555.4	555.1	554.7	554.4	554.7	555.1	555.4	555.8	556.0	556.2	556.3
130°	586.2	585.9	585.5	585.2	585.5	585.9	586.2	586.6	586.8	587.0	587.2
132.5°	615.5	615.1	614.6	614.0	614.6	615.1	615.5	616.1	616.4	616.6	616.7
135°	661.2	660.4	659.7	659.0	659.7	660.4	661.2	661.9	662.2	662.2	662.2
137.5°	705.7	704.8	703.9	703.0	703.9	704.8	705.7	706.5	706.9	706.7	706.5
140°	734.0	733.0	732.1	731.3	732.1	733.0	734.0	734.8	735.1	734.7	734.4
142.5°	760.9	760.0	759.1	758.2	759.1	760.0	760.9	761.8	762.2	761.9	761.7
145°	800.3	799.7	799.2	798.7	799.2	799.7	800.3	800.8	801.1	801.1	801.1
147.5°	836.9	835.6	834.4	833.2	834.4	835.6	836.9	838.0	838.4	838.0	837.6
150°	859.9	859.6	859.2	858.9	859.2	859.6	859.9	860.3	860.5	860.5	860.5
152.5°	882.0	881.4	880.7	880.0	880.7	881.4	882.0	882.6	882.7	882.3	881.9
155°	912.9	912.0	911.2	910.2	911.2	912.0	912.9	913.8	913.9	913.2	912.5
157.5°	939.0	937.8	936.6	935.5	936.6	937.8	939.0	940.2	940.4	939.7	939.0
160°	955.5	954.6	953.7	952.8	953.7	954.6	955.5	956.3	956.5	955.8	955.1
162.5°	970.7	969.6	968.6	967.6	968.6	969.6	970.7	971.7	971.8	970.9	970.1
165°	990.5	989.4	988.4	987.3	988.4	989.4	990.5	991.6	991.7	991.0	990.3
167.5°	1006.4	1005.3	1004.2	1003.1	1004.2	1005.3	1006.4	1007.5	1007.5	1006.4	1005.4
170°	1015.1	1013.9	1012.6	1011.4	1012.6	1013.9	1015.1	1016.4	1016.4	1015.4	1014.3
172.5°	1021.8	1020.6	1019.5	1018.4	1019.5	1020.6	1021.8	1022.9	1022.9	1021.8	1020.7
175°	1028.8	1027.5	1026.3	1025.0	1026.3	1027.5	1028.8	1030.0	1030.2	1029.0	1027.9
177.5°	1031.9	1030.9	1029.9	1028.9	1029.9	1030.9	1031.9	1032.8	1032.9	1032.1	1031.3
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-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°	12.0	12.1	11.2	10.9	10.4	10.5	9.5	9.0	8.3	8.3	9.0
90°	13.7	12.8	11.6	10.4	9.1	7.8	6.5	5.1	3.6	2.2	0.8
92.5°	32.0	30.8	29.3	27.7	26.2	24.7	23.4	22.4	21.4	20.4	19.4
95°	63.1	61.8	60.0	58.2	56.5	54.7	53.6	53.2	52.9	52.5	52.2
97.5°	99.6	98.4	95.9	93.5	91.0	88.6	87.3	87.1	87.0	86.8	86.7
100°	124.5	122.8	120.5	118.2	115.8	113.5	112.4	112.4	112.4	112.4	112.4
102.5°	150.3	148.5	147.3	146.2	145.0	143.8	142.8	142.1	141.4	140.7	140.0
105°	192.9	191.9	190.8	189.7	188.6	187.6	186.6	185.7	184.8	183.9	183.0
107.5°	238.8	238.2	237.4	236.6	235.8	235.0	234.1	233.2	232.3	231.4	230.5
110°	270.2	269.7	269.2	268.6	268.1	267.6	266.9	265.9	265.1	264.2	263.2



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	302.1	301.8	301.1	300.5	299.8	299.1	298.5	298.1	297.6	297.1	296.7
115°	350.6	350.8	350.4	350.1	349.7	349.4	348.8	348.1	347.4	346.7	345.9
117.5°	398.5	398.3	398.0	397.7	397.4	397.0	396.7	396.3	396.0	395.7	395.4
120°	431.0	431.0	430.9	430.7	430.5	430.3	429.8	428.9	428.0	427.1	426.2
122.5°	463.0	463.2	462.7	462.2	461.8	461.3	460.9	460.6	460.3	459.9	459.6
125°	510.2	510.5	510.3	510.2	510.0	509.8	509.1	508.1	507.0	506.0	504.9
127.5°	556.6	556.7	556.5	556.3	556.1	555.9	555.5	554.8	554.3	553.7	553.0
130°	587.4	587.6	587.2	586.8	586.5	586.1	585.5	584.6	583.8	582.8	581.9
132.5°	617.0	617.1	617.2	617.3	617.3	617.4	616.7	615.2	613.8	612.3	610.9
135°	662.2	662.2	662.0	661.9	661.7	661.5	660.9	659.8	658.7	657.7	656.6
137.5°	706.2	706.1	705.7	705.3	704.9	704.5	703.8	702.7	701.7	700.7	699.7
140°	734.0	733.6	733.1	732.6	732.1	731.5	730.8	729.9	729.0	728.1	727.2
142.5°	761.4	761.3	760.6	759.9	759.2	758.6	757.9	757.1	756.4	755.6	754.9
145°	801.1	801.1	800.6	800.0	799.5	798.9	798.3	797.6	796.9	796.1	795.4
147.5°	837.2	836.7	836.3	835.8	835.4	835.0	834.6	834.2	833.9	833.5	833.1
150°	860.5	860.5	859.8	859.0	858.3	857.6	857.4	857.5	857.7	857.9	858.1
152.5°	881.5	881.1	880.7	880.4	880.2	879.9	879.6	879.4	879.1	878.8	878.6
155°	911.8	911.1	910.9	910.7	910.5	910.3	910.2	910.2	910.2	910.2	910.2
157.5°	938.3	937.5	937.4	937.2	937.0	936.8	936.9	937.3	937.7	938.1	938.5
160°	954.3	953.6	953.4	953.2	953.1	952.9	953.1	953.6	954.1	954.7	955.2
162.5°	969.2	968.4	968.4	968.3	968.3	968.2	968.4	968.8	969.2	969.6	969.9
165°	989.6	988.9	988.7	988.6	988.4	988.2	988.2	988.6	989.0	989.4	989.8
167.5°	1004.2	1003.2	1003.2	1003.2	1003.2	1003.2	1003.5	1004.2	1005.0	1005.7	1006.4
170°	1013.3	1012.2	1012.2	1012.2	1012.2	1012.2	1012.6	1013.3	1014.0	1014.7	1015.4
172.5°	1019.7	1018.6	1018.6	1018.6	1018.6	1018.6	1019.0	1019.7	1020.4	1021.1	1021.8
175°	1026.9	1025.8	1025.8	1025.8	1025.8	1025.8	1026.2	1026.9	1027.6	1028.3	1029.0
177.5°	1030.4	1029.5	1029.7	1029.8	1029.9	1030.1	1030.5	1031.0	1031.6	1032.1	1032.8
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333413-927

CATALOG NUMBER: S125DIW-S850D1050U927-4F0-1E-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°	9.0	9.6	10.9	12.8	14.1	15.6	16.6	16.2	15.1	14.3	13.5
90°	2.2	3.6	5.1	6.5	7.8	9.1	10.4	11.6	12.8	13.7	14.7
92.5°	20.4	21.4	22.4	23.4	24.7	26.2	27.7	29.3	30.8	32.0	33.2
95°	52.5	52.9	53.2	53.6	54.7	56.5	58.2	60.0	61.8	63.1	64.3
97.5°	86.8	87.0	87.1	87.3	88.6	91.0	93.5	95.9	98.4	99.6	100.8
100°	112.4	112.4	112.4	112.4	113.5	115.8	118.2	120.5	122.8	124.5	126.0
102.5°	140.7	141.4	142.1	142.8	143.8	145.0	146.2	147.3	148.5	150.3	152.0
105°	183.9	184.8	185.7	186.6	187.6	188.6	189.7	190.8	191.9	192.9	194.0
107.5°	231.4	232.3	233.2	234.1	235.0	235.8	236.6	237.4	238.2	238.8	239.3
110°	264.2	265.1	265.9	266.9	267.6	268.1	268.6	269.2	269.7	270.2	270.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	297.1	297.6	298.1	298.5	299.1	299.8	300.5	301.1	301.8	302.1	302.3
115°	346.7	347.4	348.1	348.8	349.4	349.7	350.1	350.4	350.8	350.6	350.4
117.5°	395.7	396.0	396.3	396.7	397.0	397.4	397.7	398.0	398.3	398.5	398.5
120°	427.1	428.0	428.9	429.8	430.3	430.5	430.7	430.9	431.0	431.0	431.0
122.5°	459.9	460.3	460.6	460.9	461.3	461.8	462.2	462.7	463.2	463.0	462.9
125°	506.0	507.0	508.1	509.1	509.8	510.0	510.2	510.3	510.5	510.2	509.8
127.5°	553.7	554.3	554.8	555.5	555.9	556.1	556.3	556.5	556.7	556.6	556.3
130°	582.8	583.8	584.6	585.5	586.1	586.5	586.8	587.2	587.6	587.4	587.2
132.5°	612.3	613.8	615.2	616.7	617.4	617.3	617.3	617.2	617.1	617.0	616.7
135°	657.7	658.7	659.8	660.9	661.5	661.7	661.9	662.0	662.2	662.2	662.2
137.5°	700.7	701.7	702.7	703.8	704.5	704.9	705.3	705.7	706.1	706.2	706.5
140°	728.1	729.0	729.9	730.8	731.5	732.1	732.6	733.1	733.6	734.0	734.4
142.5°	755.6	756.4	757.1	757.9	758.6	759.2	759.9	760.6	761.3	761.4	761.7
145°	796.1	796.9	797.6	798.3	798.9	799.5	800.0	800.6	801.1	801.1	801.1
147.5°	833.5	833.9	834.2	834.6	835.0	835.4	835.8	836.3	836.7	837.2	837.6
150°	857.9	857.7	857.5	857.4	857.6	858.3	859.0	859.8	860.5	860.5	860.5
152.5°	878.8	879.1	879.4	879.6	879.9	880.2	880.4	880.7	881.1	881.5	881.9
155°	910.2	910.2	910.2	910.2	910.3	910.5	910.7	910.9	911.1	911.8	912.5
157.5°	938.1	937.7	937.3	936.9	936.8	937.0	937.2	937.4	937.5	938.3	939.0
160°	954.7	954.1	953.6	953.1	952.9	953.1	953.2	953.4	953.6	954.3	955.1
162.5°	969.6	969.2	968.8	968.4	968.2	968.3	968.3	968.4	968.4	969.2	970.1
165°	989.4	989.0	988.6	988.2	988.2	988.4	988.6	988.7	988.9	989.6	990.3
167.5°	1005.7	1005.0	1004.2	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.2	1005.4
170°	1014.7	1014.0	1013.3	1012.6	1012.2	1012.2	1012.2	1012.2	1012.2	1013.3	1014.3
172.5°	1021.1	1020.4	1019.7	1019.0	1018.6	1018.6	1018.6	1018.6	1018.6	1019.7	1020.7
175°	1028.3	1027.6	1026.9	1026.2	1025.8	1025.8	1025.8	1025.8	1025.8	1026.9	1027.9
177.5°	1032.1	1031.6	1031.0	1030.5	1030.1	1029.9	1029.8	1029.7	1029.5	1030.4	1031.3
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



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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°	13.6	12.5	12.7	12.4	12.5	12.3	11.7
90°	15.5	16.4	17.1	17.7	18.2	18.7	19.3
92.5°	34.4	35.6	36.3	36.7	37.1	37.5	37.9
95°	65.5	66.8	67.6	68.0	68.3	68.7	69.0
97.5°	102.0	103.1	103.8	104.0	104.3	104.5	104.6
100°	127.6	129.2	130.2	130.6	130.9	131.3	131.7
102.5°	153.8	155.5	156.6	157.1	157.6	158.1	158.6
105°	195.0	196.1	196.9	197.5	198.0	198.5	199.1
107.5°	239.9	240.3	240.7	240.6	240.6	240.5	240.5
110°	271.3	271.9	272.0	271.9	271.6	271.5	271.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	302.5	302.8	302.8	302.5	302.1	301.8	301.5
115°	350.2	350.1	349.9	349.7	349.5	349.4	349.2
117.5°	398.7	398.9	398.5	397.8	397.1	396.4	395.7
120°	431.0	431.0	430.7	430.0	429.3	428.6	427.9
122.5°	462.7	462.6	462.2	461.7	461.1	460.5	459.9
125°	509.5	509.1	508.8	508.7	508.4	508.3	508.1
127.5°	556.2	556.0	555.8	555.4	555.1	554.7	554.4
130°	587.0	586.8	586.6	586.2	585.9	585.5	585.2
132.5°	616.6	616.4	616.1	615.5	615.1	614.6	614.0
135°	662.2	662.2	661.9	661.2	660.4	659.7	659.0
137.5°	706.7	706.9	706.5	705.7	704.8	703.9	703.0
140°	734.7	735.1	734.8	734.0	733.0	732.1	731.3
142.5°	761.9	762.2	761.8	760.9	760.0	759.1	758.2
145°	801.1	801.1	800.8	800.3	799.7	799.2	798.7
147.5°	838.0	838.4	838.0	836.9	835.6	834.4	833.2
150°	860.5	860.5	860.3	859.9	859.6	859.2	858.9
152.5°	882.3	882.7	882.6	882.0	881.4	880.7	880.0
155°	913.2	913.9	913.8	912.9	912.0	911.2	910.2
157.5°	939.7	940.4	940.2	939.0	937.8	936.6	935.5
160°	955.8	956.5	956.3	955.5	954.6	953.7	952.8
162.5°	970.9	971.8	971.7	970.7	969.6	968.6	967.6
165°	991.0	991.7	991.6	990.5	989.4	988.4	987.3
167.5°	1006.4	1007.5	1007.5	1006.4	1005.3	1004.2	1003.1
170°	1015.4	1016.4	1016.4	1015.1	1013.9	1012.6	1011.4
172.5°	1021.8	1022.9	1022.9	1021.8	1020.6	1019.5	1018.4
175°	1029.0	1030.2	1030.0	1028.8	1027.5	1026.3	1025.0
177.5°	1032.1	1032.9	1032.8	1031.9	1030.9	1029.9	1028.9
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4

(END OF REPORT)