

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: P333377

Luminaire Tested: **S125DIW-S610D770U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333377
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-S610D770U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5189.4 lumens
Efficiency: N/A
Efficacy: 138.0 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

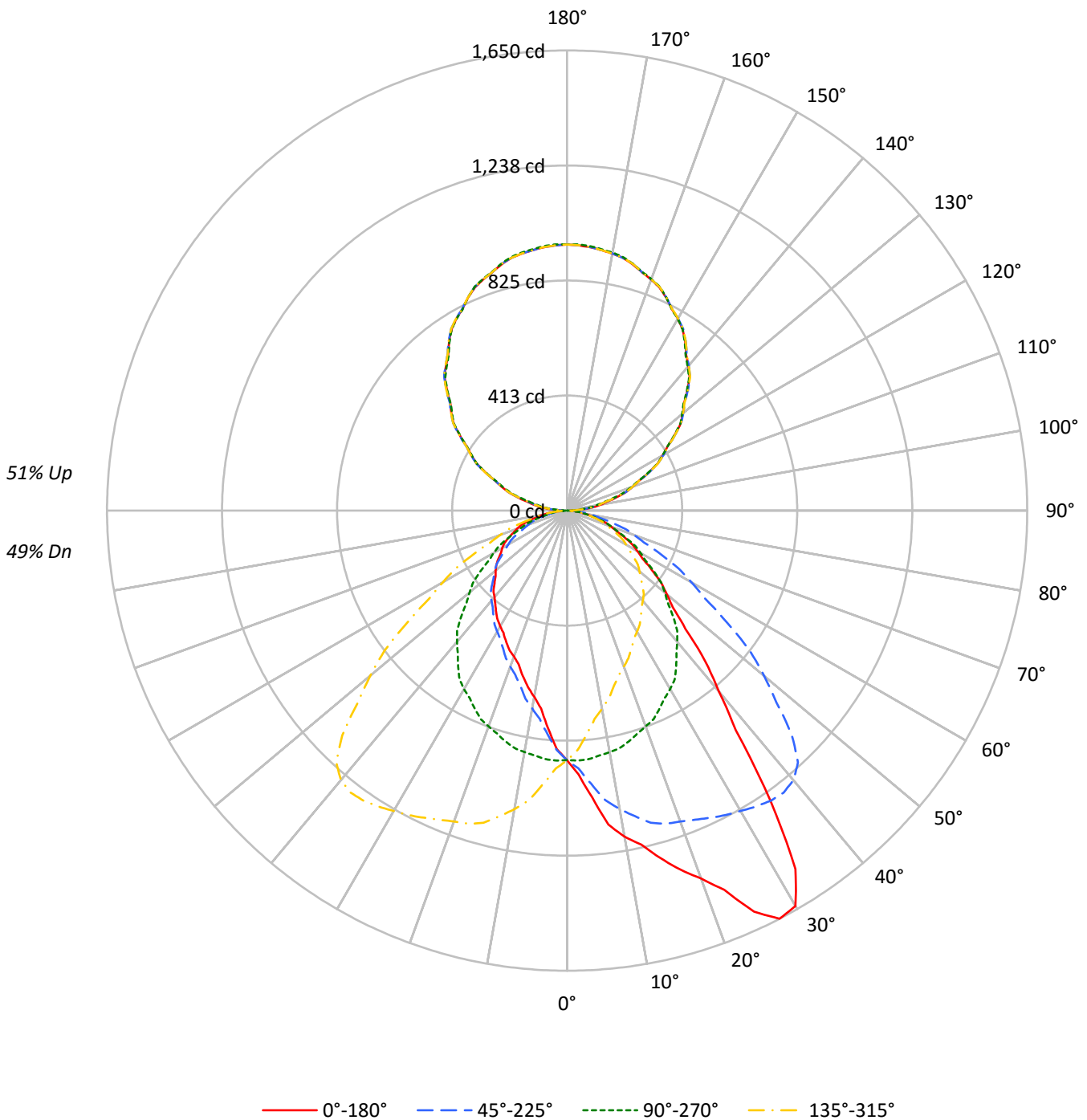
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	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°	5780	5780	5780	5780
5°	6694	5800	5078	5800
10°	7788	5770	4450	5770
15°	8620	5727	4105	5727
20°	9649	5660	3827	5660
25°	11305	5585	3693	5585
30°	12210	5510	3575	5510
35°	10039	5370	3498	5370
40°	7136	5176	3414	5176
45°	5482	4913	3366	4913
50°	4679	4588	3359	4588
55°	4166	4269	3388	4269
60°	3759	3920	3475	3920
65°	3472	3570	3564	3570
70°	3155	3206	3616	3206
75°	2787	2825	3583	2825
80°	2347	2302	3277	2302
85°	1860	1660	2645	1660



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.7
10°-20°	256.5	4.9
20°-30°	416.6	8.0
30°-40°	508.1	9.8
40°-50°	462.2	8.9
50°-60°	368.2	7.1
60°-70°	256.4	4.9
70°-80°	136.8	2.6
80°-90°	36.6	0.7
90°-100°	63.9	1.2
100°-110°	188.7	3.6
110°-120°	319.6	6.2
120°-130°	420.6	8.1
130°-140°	471.2	9.1
140°-150°	461.9	8.9
150°-160°	387.9	7.5
160°-170°	257.9	5.0
170°-180°	90.2	1.7
0°-30°	759.2	14.6
0°-40°	1267.4	24.4
0°-60°	2097.8	40.4
0°-90°	2527.6	48.7
90°-120°	572.1	11.0
90°-150°	1925.8	37.1
90°-180°	2662.0	51.3
0°-180°	5189.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	29
90°	18	1	18	1	18	11
95°	64	48	64	48	64	65
105°	184	169	184	169	184	195
115°	323	320	323	320	323	319
125°	470	467	470	467	470	420
135°	610	607	610	607	610	470
145°	739	736	739	736	739	461
155°	842	842	842	842	842	387
165°	913	915	913	915	913	257
175°	948	952	948	952	948	90
180°	954	954	954	954	954	



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CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	10.9	11.4	11.6	11.5	11.7	11.5	12.6	12.4	13.2	13.9	14.9
90°	17.8	17.3	16.8	16.3	15.8	15.2	14.4	13.5	12.7	11.9	10.7
92.5°	35.0	34.7	34.3	34.0	33.6	32.9	31.8	30.7	29.6	28.5	27.1
95°	63.8	63.5	63.2	62.9	62.5	61.8	60.6	59.5	58.3	57.2	55.5
97.5°	96.8	96.6	96.4	96.2	96.0	95.4	94.3	93.2	92.1	91.0	88.7
100°	121.7	121.4	121.1	120.8	120.4	119.5	118.0	116.5	115.1	113.6	111.4
102.5°	146.7	146.2	145.8	145.3	144.8	143.8	142.2	140.6	139.0	137.3	136.2
105°	184.1	183.6	183.1	182.6	182.1	181.4	180.4	179.4	178.4	177.4	176.4
107.5°	222.4	222.4	222.5	222.5	222.5	222.3	221.8	221.3	220.8	220.3	219.6
110°	250.9	251.1	251.2	251.4	251.6	251.4	250.9	250.4	249.9	249.4	248.9



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	278.8	279.1	279.4	279.7	280.0	280.0	279.8	279.6	279.4	279.1	278.5
115°	322.9	323.1	323.3	323.4	323.6	323.7	323.9	324.1	324.2	324.4	324.1
117.5°	366.0	366.6	367.3	368.0	368.6	368.9	368.7	368.6	368.5	368.4	368.1
120°	395.7	396.3	397.0	397.7	398.3	398.6	398.6	398.6	398.6	398.6	398.5
122.5°	425.4	425.9	426.4	426.9	427.5	427.8	427.9	428.1	428.2	428.3	427.9
125°	469.9	470.1	470.2	470.4	470.6	470.8	471.1	471.5	471.8	472.1	472.0
127.5°	512.7	513.0	513.3	513.7	514.0	514.2	514.4	514.6	514.7	514.9	514.7
130°	541.2	541.5	541.8	542.2	542.5	542.7	542.9	543.1	543.2	543.4	543.1
132.5°	567.9	568.4	568.8	569.3	569.7	570.1	570.2	570.4	570.6	570.7	570.8
135°	609.5	610.1	610.8	611.4	612.1	612.4	612.4	612.4	612.4	612.4	612.3
137.5°	650.1	651.0	651.8	652.6	653.4	653.8	653.6	653.4	653.2	653.0	652.6
140°	676.3	677.1	677.9	678.8	679.6	679.8	679.5	679.2	678.8	678.5	678.0
142.5°	701.2	702.0	702.9	703.7	704.5	704.8	704.6	704.4	704.2	704.0	703.4
145°	738.6	739.1	739.6	740.1	740.6	740.9	740.9	740.9	740.9	740.9	740.4
147.5°	770.6	771.7	772.8	773.9	775.0	775.4	775.0	774.6	774.2	773.8	773.4
150°	794.3	794.6	795.0	795.3	795.6	795.8	795.8	795.8	795.8	795.8	795.1
152.5°	813.9	814.5	815.1	815.7	816.3	816.4	816.0	815.6	815.2	814.8	814.5
155°	841.8	842.6	843.5	844.3	845.1	845.2	844.5	843.9	843.2	842.6	842.4
157.5°	865.1	866.2	867.3	868.4	869.5	869.7	869.0	868.4	867.7	867.1	866.9
160°	881.2	882.0	882.8	883.6	884.5	884.5	883.9	883.2	882.6	881.9	881.7
162.5°	894.8	895.8	896.7	897.7	898.7	898.7	897.9	897.2	896.4	895.6	895.5
165°	913.1	914.1	915.1	916.1	917.0	917.2	916.6	915.9	915.2	914.6	914.4
167.5°	927.6	928.7	929.7	930.7	931.7	931.7	930.8	929.8	928.8	927.8	927.8
170°	935.4	936.5	937.7	938.8	940.0	940.1	939.1	938.1	937.1	936.1	936.1
172.5°	941.9	942.9	943.9	945.0	946.0	946.0	945.0	944.0	943.0	942.0	942.0
175°	948.0	949.1	950.3	951.4	952.6	952.7	951.7	950.7	949.7	948.7	948.7
177.5°	951.5	952.5	953.4	954.3	955.2	955.3	954.5	953.7	952.9	952.1	952.3
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	15.3	14.4	13.0	11.8	10.1	8.9	8.3	8.4	7.7	7.7	8.2
90°	9.6	8.4	7.3	6.0	4.7	3.4	2.1	0.7	2.1	3.4	4.7
92.5°	25.7	24.3	22.8	21.7	20.7	19.8	18.9	18.0	18.9	19.8	20.7
95°	53.9	52.2	50.6	49.6	49.2	48.9	48.6	48.3	48.6	48.9	49.2
97.5°	86.5	84.2	81.9	80.7	80.6	80.4	80.3	80.2	80.3	80.4	80.6
100°	109.3	107.1	105.0	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9
102.5°	135.2	134.1	133.0	132.1	131.4	130.8	130.1	129.5	130.1	130.8	131.4
105°	175.4	174.5	173.5	172.6	171.7	170.9	170.1	169.3	170.1	170.9	171.7
107.5°	218.8	218.1	217.3	216.5	215.7	214.9	214.0	213.2	214.0	214.9	215.7
110°	248.4	247.9	247.4	246.8	246.0	245.1	244.3	243.5	244.3	245.1	246.0



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	277.9	277.2	276.6	276.1	275.7	275.2	274.8	274.4	274.8	275.2	275.7
115°	323.7	323.4	323.1	322.6	321.9	321.3	320.6	320.0	320.6	321.3	321.9
117.5°	367.8	367.5	367.2	366.9	366.6	366.3	366.0	365.7	366.0	366.3	366.6
120°	398.3	398.1	398.0	397.5	396.7	395.8	395.0	394.2	395.0	395.8	396.7
122.5°	427.5	427.0	426.6	426.3	426.0	425.7	425.4	425.1	425.4	425.7	426.0
125°	471.8	471.6	471.5	470.9	469.9	468.9	467.9	466.9	467.9	468.9	469.9
127.5°	514.5	514.3	514.1	513.7	513.2	512.6	512.0	511.5	512.0	512.6	513.2
130°	542.7	542.4	542.1	541.5	540.7	539.9	539.0	538.2	539.0	539.9	540.7
132.5°	570.8	570.9	571.0	570.3	569.0	567.6	566.3	564.9	566.3	567.6	569.0
135°	612.1	611.9	611.8	611.2	610.2	609.2	608.2	607.2	608.2	609.2	610.2
137.5°	652.2	651.9	651.5	650.9	649.9	648.9	648.0	647.0	648.0	648.9	649.9
140°	677.5	677.0	676.5	675.9	675.0	674.2	673.4	672.6	673.4	674.2	675.0
142.5°	702.8	702.2	701.5	700.9	700.2	699.5	698.8	698.1	698.8	699.5	700.2
145°	739.9	739.4	738.9	738.3	737.6	737.0	736.3	735.7	736.3	737.0	737.6
147.5°	773.0	772.6	772.2	771.9	771.5	771.1	770.8	770.4	770.8	771.1	771.5
150°	794.5	793.8	793.2	792.9	793.1	793.2	793.4	793.6	793.4	793.2	793.1
152.5°	814.3	814.0	813.7	813.5	813.3	813.0	812.8	812.6	812.8	813.0	813.3
155°	842.2	842.1	841.9	841.8	841.8	841.8	841.8	841.8	841.8	841.8	841.8
157.5°	866.7	866.6	866.4	866.5	866.9	867.2	867.6	868.0	867.6	867.2	866.9
160°	881.6	881.4	881.2	881.4	881.9	882.4	882.9	883.4	882.9	882.4	881.9
162.5°	895.5	895.5	895.4	895.6	896.0	896.3	896.7	897.1	896.7	896.3	896.0
165°	914.2	914.1	913.9	914.0	914.3	914.7	915.0	915.3	915.0	914.7	914.3
167.5°	927.8	927.8	927.8	928.1	928.8	929.4	930.1	930.8	930.1	929.4	928.8
170°	936.1	936.1	936.1	936.4	937.1	937.7	938.4	939.1	938.4	937.7	937.1
172.5°	942.0	942.0	942.0	942.4	943.0	943.7	944.3	945.0	944.3	943.7	943.0
175°	948.7	948.7	948.7	949.0	949.7	950.4	951.0	951.7	951.0	950.4	949.7
177.5°	952.4	952.5	952.7	953.0	953.5	954.0	954.6	955.1	954.6	954.0	953.5
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	8.8	9.7	9.6	10.1	10.3	11.2	11.0	12.4	13.2	14.0	13.8
90°	6.0	7.3	8.4	9.6	10.7	11.9	12.7	13.5	14.4	15.2	15.8
92.5°	21.7	22.8	24.3	25.7	27.1	28.5	29.6	30.7	31.8	32.9	33.6
95°	49.6	50.6	52.2	53.9	55.5	57.2	58.3	59.5	60.6	61.8	62.5
97.5°	80.7	81.9	84.2	86.5	88.7	91.0	92.1	93.2	94.3	95.4	96.0
100°	103.9	105.0	107.1	109.3	111.4	113.6	115.1	116.5	118.0	119.5	120.4
102.5°	132.1	133.0	134.1	135.2	136.2	137.3	139.0	140.6	142.2	143.8	144.8
105°	172.6	173.5	174.5	175.4	176.4	177.4	178.4	179.4	180.4	181.4	182.1
107.5°	216.5	217.3	218.1	218.8	219.6	220.3	220.8	221.3	221.8	222.3	222.5
110°	246.8	247.4	247.9	248.4	248.9	249.4	249.9	250.4	250.9	251.4	251.6



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	276.1	276.6	277.2	277.9	278.5	279.1	279.4	279.6	279.8	280.0	280.0
115°	322.6	323.1	323.4	323.7	324.1	324.4	324.2	324.1	323.9	323.7	323.6
117.5°	366.9	367.2	367.5	367.8	368.1	368.4	368.5	368.6	368.7	368.9	368.6
120°	397.5	398.0	398.1	398.3	398.5	398.6	398.6	398.6	398.6	398.6	398.3
122.5°	426.3	426.6	427.0	427.5	427.9	428.3	428.2	428.1	427.9	427.8	427.5
125°	470.9	471.5	471.6	471.8	472.0	472.1	471.8	471.5	471.1	470.8	470.6
127.5°	513.7	514.1	514.3	514.5	514.7	514.9	514.7	514.6	514.4	514.2	514.0
130°	541.5	542.1	542.4	542.7	543.1	543.4	543.2	543.1	542.9	542.7	542.5
132.5°	570.3	571.0	570.9	570.8	570.8	570.7	570.6	570.4	570.2	570.1	569.7
135°	611.2	611.8	611.9	612.1	612.3	612.4	612.4	612.4	612.4	612.4	612.1
137.5°	650.9	651.5	651.9	652.2	652.6	653.0	653.2	653.4	653.6	653.8	653.4
140°	675.9	676.5	677.0	677.5	678.0	678.5	678.8	679.2	679.5	679.8	679.6
142.5°	700.9	701.5	702.2	702.8	703.4	704.0	704.2	704.4	704.6	704.8	704.5
145°	738.3	738.9	739.4	739.9	740.4	740.9	740.9	740.9	740.9	740.9	740.6
147.5°	771.9	772.2	772.6	773.0	773.4	773.8	774.2	774.6	775.0	775.4	775.0
150°	792.9	793.2	793.8	794.5	795.1	795.8	795.8	795.8	795.8	795.8	795.6
152.5°	813.5	813.7	814.0	814.3	814.5	814.8	815.2	815.6	816.0	816.4	816.3
155°	841.8	841.9	842.1	842.2	842.4	842.6	843.2	843.9	844.5	845.2	845.1
157.5°	866.5	866.4	866.6	866.7	866.9	867.1	867.7	868.4	869.0	869.7	869.5
160°	881.4	881.2	881.4	881.6	881.7	881.9	882.6	883.2	883.9	884.5	884.5
162.5°	895.6	895.4	895.5	895.5	895.5	895.6	896.4	897.2	897.9	898.7	898.7
165°	914.0	913.9	914.1	914.2	914.4	914.6	915.2	915.9	916.6	917.2	917.0
167.5°	928.1	927.8	927.8	927.8	927.8	927.8	928.8	929.8	930.8	931.7	931.7
170°	936.4	936.1	936.1	936.1	936.1	936.1	937.1	938.1	939.1	940.1	940.0
172.5°	942.4	942.0	942.0	942.0	942.0	942.0	943.0	944.0	945.0	946.0	946.0
175°	949.0	948.7	948.7	948.7	948.7	948.7	949.7	950.7	951.7	952.7	952.6
177.5°	953.0	952.7	952.5	952.4	952.3	952.1	952.9	953.7	954.5	955.3	955.2
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	14.5	14.3	14.4	15.1	14.4	14.3	14.5	13.8	14.0	13.2	12.4
90°	16.3	16.8	17.3	17.8	17.3	16.8	16.3	15.8	15.2	14.4	13.5
92.5°	34.0	34.3	34.7	35.0	34.7	34.3	34.0	33.6	32.9	31.8	30.7
95°	62.9	63.2	63.5	63.8	63.5	63.2	62.9	62.5	61.8	60.6	59.5
97.5°	96.2	96.4	96.6	96.8	96.6	96.4	96.2	96.0	95.4	94.3	93.2
100°	120.8	121.1	121.4	121.7	121.4	121.1	120.8	120.4	119.5	118.0	116.5
102.5°	145.3	145.8	146.2	146.7	146.2	145.8	145.3	144.8	143.8	142.2	140.6
105°	182.6	183.1	183.6	184.1	183.6	183.1	182.6	182.1	181.4	180.4	179.4
107.5°	222.5	222.5	222.4	222.4	222.4	222.5	222.5	222.5	222.3	221.8	221.3
110°	251.4	251.2	251.1	250.9	251.1	251.2	251.4	251.6	251.4	250.9	250.4



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	279.7	279.4	279.1	278.8	279.1	279.4	279.7	280.0	280.0	279.8	279.6
115°	323.4	323.3	323.1	322.9	323.1	323.3	323.4	323.6	323.7	323.9	324.1
117.5°	368.0	367.3	366.6	366.0	366.6	367.3	368.0	368.6	368.9	368.7	368.6
120°	397.7	397.0	396.3	395.7	396.3	397.0	397.7	398.3	398.6	398.6	398.6
122.5°	426.9	426.4	425.9	425.4	425.9	426.4	426.9	427.5	427.8	427.9	428.1
125°	470.4	470.2	470.1	469.9	470.1	470.2	470.4	470.6	470.8	471.1	471.5
127.5°	513.7	513.3	513.0	512.7	513.0	513.3	513.7	514.0	514.2	514.4	514.6
130°	542.2	541.8	541.5	541.2	541.5	541.8	542.2	542.5	542.7	542.9	543.1
132.5°	569.3	568.8	568.4	567.9	568.4	568.8	569.3	569.7	570.1	570.2	570.4
135°	611.4	610.8	610.1	609.5	610.1	610.8	611.4	612.1	612.4	612.4	612.4
137.5°	652.6	651.8	651.0	650.1	651.0	651.8	652.6	653.4	653.8	653.6	653.4
140°	678.8	677.9	677.1	676.3	677.1	677.9	678.8	679.6	679.8	679.5	679.2
142.5°	703.7	702.9	702.0	701.2	702.0	702.9	703.7	704.5	704.8	704.6	704.4
145°	740.1	739.6	739.1	738.6	739.1	739.6	740.1	740.6	740.9	740.9	740.9
147.5°	773.9	772.8	771.7	770.6	771.7	772.8	773.9	775.0	775.4	775.0	774.6
150°	795.3	795.0	794.6	794.3	794.6	795.0	795.3	795.6	795.8	795.8	795.8
152.5°	815.7	815.1	814.5	813.9	814.5	815.1	815.7	816.3	816.4	816.0	815.6
155°	844.3	843.5	842.6	841.8	842.6	843.5	844.3	845.1	845.2	844.5	843.9
157.5°	868.4	867.3	866.2	865.1	866.2	867.3	868.4	869.5	869.7	869.0	868.4
160°	883.6	882.8	882.0	881.2	882.0	882.8	883.6	884.5	884.5	883.9	883.2
162.5°	897.7	896.7	895.8	894.8	895.8	896.7	897.7	898.7	898.7	897.9	897.2
165°	916.1	915.1	914.1	913.1	914.1	915.1	916.1	917.0	917.2	916.6	915.9
167.5°	930.7	929.7	928.7	927.6	928.7	929.7	930.7	931.7	931.7	930.8	929.8
170°	938.8	937.7	936.5	935.4	936.5	937.7	938.8	940.0	940.1	939.1	938.1
172.5°	945.0	943.9	942.9	941.9	942.9	943.9	945.0	946.0	946.0	945.0	944.0
175°	951.4	950.3	949.1	948.0	949.1	950.3	951.4	952.6	952.7	951.7	950.7
177.5°	954.3	953.4	952.5	951.5	952.5	953.4	954.3	955.2	955.3	954.5	953.7
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	11.0	11.2	10.3	10.1	9.6	9.7	8.8	8.2	7.7	7.7	8.4
90°	12.7	11.9	10.7	9.6	8.4	7.3	6.0	4.7	3.4	2.1	0.7
92.5°	29.6	28.5	27.1	25.7	24.3	22.8	21.7	20.7	19.8	18.9	18.0
95°	58.3	57.2	55.5	53.9	52.2	50.6	49.6	49.2	48.9	48.6	48.3
97.5°	92.1	91.0	88.7	86.5	84.2	81.9	80.7	80.6	80.4	80.3	80.2
100°	115.1	113.6	111.4	109.3	107.1	105.0	103.9	103.9	103.9	103.9	103.9
102.5°	139.0	137.3	136.2	135.2	134.1	133.0	132.1	131.4	130.8	130.1	129.5
105°	178.4	177.4	176.4	175.4	174.5	173.5	172.6	171.7	170.9	170.1	169.3
107.5°	220.8	220.3	219.6	218.8	218.1	217.3	216.5	215.7	214.9	214.0	213.2
110°	249.9	249.4	248.9	248.4	247.9	247.4	246.8	246.0	245.1	244.3	243.5



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	279.4	279.1	278.5	277.9	277.2	276.6	276.1	275.7	275.2	274.8	274.4
115°	324.2	324.4	324.1	323.7	323.4	323.1	322.6	321.9	321.3	320.6	320.0
117.5°	368.5	368.4	368.1	367.8	367.5	367.2	366.9	366.6	366.3	366.0	365.7
120°	398.6	398.6	398.5	398.3	398.1	398.0	397.5	396.7	395.8	395.0	394.2
122.5°	428.2	428.3	427.9	427.5	427.0	426.6	426.3	426.0	425.7	425.4	425.1
125°	471.8	472.1	472.0	471.8	471.6	471.5	470.9	469.9	468.9	467.9	466.9
127.5°	514.7	514.9	514.7	514.5	514.3	514.1	513.7	513.2	512.6	512.0	511.5
130°	543.2	543.4	543.1	542.7	542.4	542.1	541.5	540.7	539.9	539.0	538.2
132.5°	570.6	570.7	570.8	570.8	570.9	571.0	570.3	569.0	567.6	566.3	564.9
135°	612.4	612.4	612.3	612.1	611.9	611.8	611.2	610.2	609.2	608.2	607.2
137.5°	653.2	653.0	652.6	652.2	651.9	651.5	650.9	649.9	648.9	648.0	647.0
140°	678.8	678.5	678.0	677.5	677.0	676.5	675.9	675.0	674.2	673.4	672.6
142.5°	704.2	704.0	703.4	702.8	702.2	701.5	700.9	700.2	699.5	698.8	698.1
145°	740.9	740.9	740.4	739.9	739.4	738.9	738.3	737.6	737.0	736.3	735.7
147.5°	774.2	773.8	773.4	773.0	772.6	772.2	771.9	771.5	771.1	770.8	770.4
150°	795.8	795.8	795.1	794.5	793.8	793.2	792.9	793.1	793.2	793.4	793.6
152.5°	815.2	814.8	814.5	814.3	814.0	813.7	813.5	813.3	813.0	812.8	812.6
155°	843.2	842.6	842.4	842.2	842.1	841.9	841.8	841.8	841.8	841.8	841.8
157.5°	867.7	867.1	866.9	866.7	866.6	866.4	866.5	866.9	867.2	867.6	868.0
160°	882.6	881.9	881.7	881.6	881.4	881.2	881.4	881.9	882.4	882.9	883.4
162.5°	896.4	895.6	895.5	895.5	895.5	895.4	895.6	896.0	896.3	896.7	897.1
165°	915.2	914.6	914.4	914.2	914.1	913.9	914.0	914.3	914.7	915.0	915.3
167.5°	928.8	927.8	927.8	927.8	927.8	927.8	928.1	928.8	929.4	930.1	930.8
170°	937.1	936.1	936.1	936.1	936.1	936.1	936.4	937.1	937.7	938.4	939.1
172.5°	943.0	942.0	942.0	942.0	942.0	942.0	942.4	943.0	943.7	944.3	945.0
175°	949.7	948.7	948.7	948.7	948.7	948.7	949.0	949.7	950.4	951.0	951.7
177.5°	952.9	952.1	952.3	952.4	952.5	952.7	953.0	953.5	954.0	954.6	955.1
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.3	8.9	10.1	11.8	13.0	14.4	15.3	14.9	13.9	13.2	12.4
90°	2.1	3.4	4.7	6.0	7.3	8.4	9.6	10.7	11.9	12.7	13.5
92.5°	18.9	19.8	20.7	21.7	22.8	24.3	25.7	27.1	28.5	29.6	30.7
95°	48.6	48.9	49.2	49.6	50.6	52.2	53.9	55.5	57.2	58.3	59.5
97.5°	80.3	80.4	80.6	80.7	81.9	84.2	86.5	88.7	91.0	92.1	93.2
100°	103.9	103.9	103.9	103.9	105.0	107.1	109.3	111.4	113.6	115.1	116.5
102.5°	130.1	130.8	131.4	132.1	133.0	134.1	135.2	136.2	137.3	139.0	140.6
105°	170.1	170.9	171.7	172.6	173.5	174.5	175.4	176.4	177.4	178.4	179.4
107.5°	214.0	214.9	215.7	216.5	217.3	218.1	218.8	219.6	220.3	220.8	221.3
110°	244.3	245.1	246.0	246.8	247.4	247.9	248.4	248.9	249.4	249.9	250.4



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	274.8	275.2	275.7	276.1	276.6	277.2	277.9	278.5	279.1	279.4	279.6
115°	320.6	321.3	321.9	322.6	323.1	323.4	323.7	324.1	324.4	324.2	324.1
117.5°	366.0	366.3	366.6	366.9	367.2	367.5	367.8	368.1	368.4	368.5	368.6
120°	395.0	395.8	396.7	397.5	398.0	398.1	398.3	398.5	398.6	398.6	398.6
122.5°	425.4	425.7	426.0	426.3	426.6	427.0	427.5	427.9	428.3	428.2	428.1
125°	467.9	468.9	469.9	470.9	471.5	471.6	471.8	472.0	472.1	471.8	471.5
127.5°	512.0	512.6	513.2	513.7	514.1	514.3	514.5	514.7	514.9	514.7	514.6
130°	539.0	539.9	540.7	541.5	542.1	542.4	542.7	543.1	543.4	543.2	543.1
132.5°	566.3	567.6	569.0	570.3	571.0	570.9	570.8	570.8	570.7	570.6	570.4
135°	608.2	609.2	610.2	611.2	611.8	611.9	612.1	612.3	612.4	612.4	612.4
137.5°	648.0	648.9	649.9	650.9	651.5	651.9	652.2	652.6	653.0	653.2	653.4
140°	673.4	674.2	675.0	675.9	676.5	677.0	677.5	678.0	678.5	678.8	679.2
142.5°	698.8	699.5	700.2	700.9	701.5	702.2	702.8	703.4	704.0	704.2	704.4
145°	736.3	737.0	737.6	738.3	738.9	739.4	739.9	740.4	740.9	740.9	740.9
147.5°	770.8	771.1	771.5	771.9	772.2	772.6	773.0	773.4	773.8	774.2	774.6
150°	793.4	793.2	793.1	792.9	793.2	793.8	794.5	795.1	795.8	795.8	795.8
152.5°	812.8	813.0	813.3	813.5	813.7	814.0	814.3	814.5	814.8	815.2	815.6
155°	841.8	841.8	841.8	841.8	841.9	842.1	842.2	842.4	842.6	843.2	843.9
157.5°	867.6	867.2	866.9	866.5	866.4	866.6	866.7	866.9	867.1	867.7	868.4
160°	882.9	882.4	881.9	881.4	881.2	881.4	881.6	881.7	881.9	882.6	883.2
162.5°	896.7	896.3	896.0	895.6	895.4	895.5	895.5	895.5	895.6	896.4	897.2
165°	915.0	914.7	914.3	914.0	913.9	914.1	914.2	914.4	914.6	915.2	915.9
167.5°	930.1	929.4	928.8	928.1	927.8	927.8	927.8	927.8	927.8	928.8	929.8
170°	938.4	937.7	937.1	936.4	936.1	936.1	936.1	936.1	936.1	937.1	938.1
172.5°	944.3	943.7	943.0	942.4	942.0	942.0	942.0	942.0	942.0	943.0	944.0
175°	951.0	950.4	949.7	949.0	948.7	948.7	948.7	948.7	948.7	949.7	950.7
177.5°	954.6	954.0	953.5	953.0	952.7	952.5	952.4	952.3	952.1	952.9	953.7
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9	953.9



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	12.6	11.5	11.7	11.5	11.6	11.4	10.9
90°	14.4	15.2	15.8	16.3	16.8	17.3	17.8
92.5°	31.8	32.9	33.6	34.0	34.3	34.7	35.0
95°	60.6	61.8	62.5	62.9	63.2	63.5	63.8
97.5°	94.3	95.4	96.0	96.2	96.4	96.6	96.8
100°	118.0	119.5	120.4	120.8	121.1	121.4	121.7
102.5°	142.2	143.8	144.8	145.3	145.8	146.2	146.7
105°	180.4	181.4	182.1	182.6	183.1	183.6	184.1
107.5°	221.8	222.3	222.5	222.5	222.5	222.4	222.4
110°	250.9	251.4	251.6	251.4	251.2	251.1	250.9



TEST NUMBER: P333377

CATALOG NUMBER: S125DIW-S610D770U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	279.8	280.0	280.0	279.7	279.4	279.1	278.8
115°	323.9	323.7	323.6	323.4	323.3	323.1	322.9
117.5°	368.7	368.9	368.6	368.0	367.3	366.6	366.0
120°	398.6	398.6	398.3	397.7	397.0	396.3	395.7
122.5°	427.9	427.8	427.5	426.9	426.4	425.9	425.4
125°	471.1	470.8	470.6	470.4	470.2	470.1	469.9
127.5°	514.4	514.2	514.0	513.7	513.3	513.0	512.7
130°	542.9	542.7	542.5	542.2	541.8	541.5	541.2
132.5°	570.2	570.1	569.7	569.3	568.8	568.4	567.9
135°	612.4	612.4	612.1	611.4	610.8	610.1	609.5
137.5°	653.6	653.8	653.4	652.6	651.8	651.0	650.1
140°	679.5	679.8	679.6	678.8	677.9	677.1	676.3
142.5°	704.6	704.8	704.5	703.7	702.9	702.0	701.2
145°	740.9	740.9	740.6	740.1	739.6	739.1	738.6
147.5°	775.0	775.4	775.0	773.9	772.8	771.7	770.6
150°	795.8	795.8	795.6	795.3	795.0	794.6	794.3
152.5°	816.0	816.4	816.3	815.7	815.1	814.5	813.9
155°	844.5	845.2	845.1	844.3	843.5	842.6	841.8
157.5°	869.0	869.7	869.5	868.4	867.3	866.2	865.1
160°	883.9	884.5	884.5	883.6	882.8	882.0	881.2
162.5°	897.9	898.7	898.7	897.7	896.7	895.8	894.8
165°	916.6	917.2	917.0	916.1	915.1	914.1	913.1
167.5°	930.8	931.7	931.7	930.7	929.7	928.7	927.6
170°	939.1	940.1	940.0	938.8	937.7	936.5	935.4
172.5°	945.0	946.0	946.0	945.0	943.9	942.9	941.9
175°	951.7	952.7	952.6	951.4	950.3	949.1	948.0
177.5°	954.5	955.3	955.2	954.3	953.4	952.5	951.5
180°	953.9	953.9	953.9	953.9	953.9	953.9	953.9

(END OF REPORT)