

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: P333370

Luminaire Tested: **S125DIW-S610D470U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333370
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S610D470U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4400.8 lumens
Efficiency: N/A
Efficacy: 145.7 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

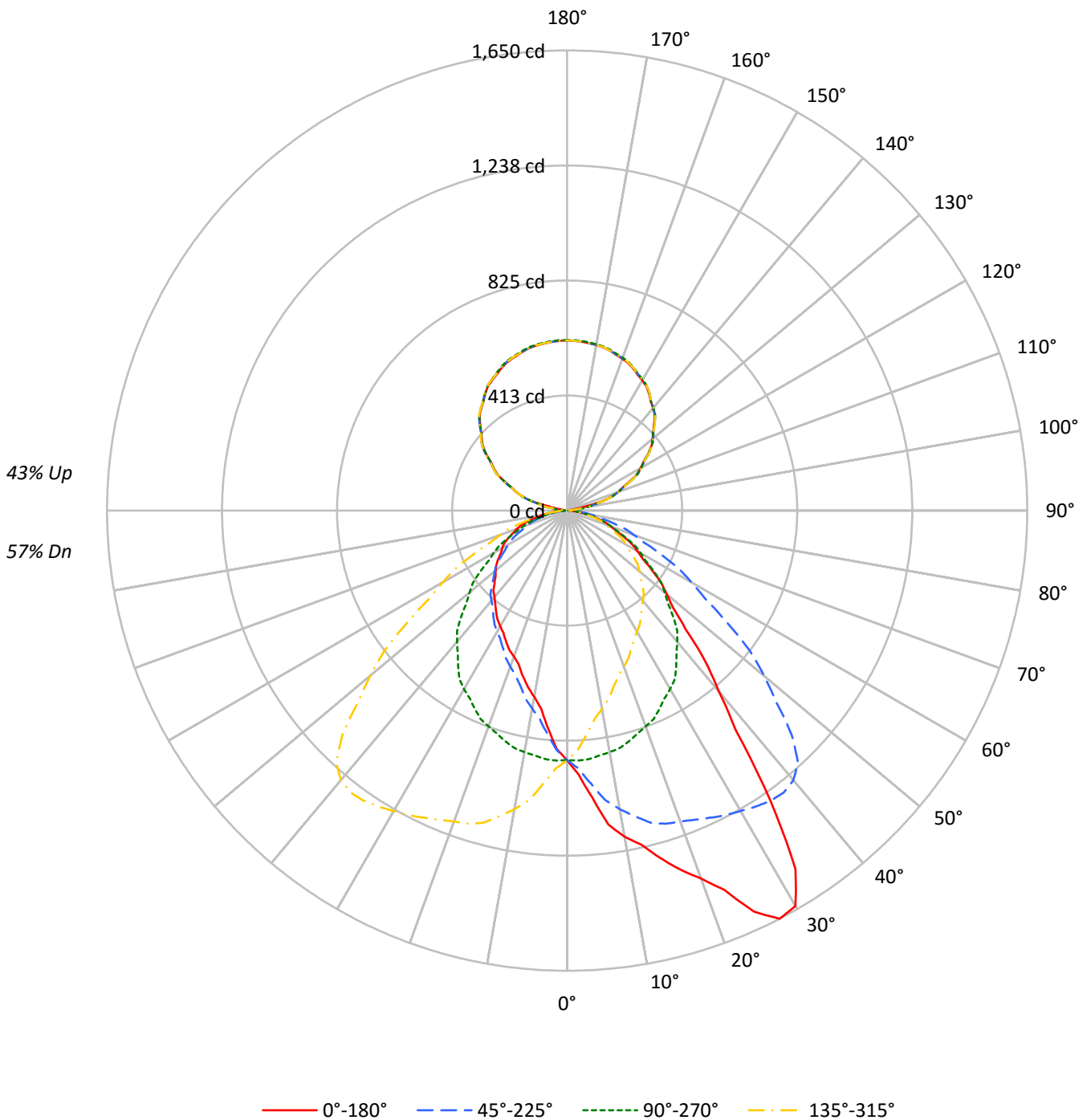
Input Watts (W): 30.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57
1	100	95	92	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49
2	91	84	78	72	85	78	73	68	68	64	60	58	55	53	50	47	46	41
3	83	74	66	61	77	69	63	57	60	55	51	52	48	45	44	41	39	35
4	76	65	57	51	71	61	54	49	53	48	44	46	42	39	40	36	34	30
5	70	58	50	44	65	55	47	42	48	42	38	42	37	34	36	32	30	26
6	65	52	44	38	60	49	42	37	43	37	33	38	33	29	32	29	26	23
7	60	47	39	34	56	45	37	32	39	33	29	34	30	26	30	26	23	21
8	55	43	35	30	52	41	33	29	36	30	26	31	27	23	27	24	21	18
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	23	20	17	15

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	2.0
10°-20°	256.5	5.8
20°-30°	416.6	9.5
30°-40°	508.1	11.5
40°-50°	462.2	10.5
50°-60°	368.2	8.4
60°-70°	256.4	5.8
70°-80°	136.8	3.1
80°-90°	35.8	0.8
90°-100°	22.2	0.5
100°-110°	136.7	3.1
110°-120°	247.9	5.6
120°-130°	318.1	7.2
130°-140°	342.2	7.8
140°-150°	321.2	7.3
150°-160°	259.8	5.9
160°-170°	168.0	3.8
170°-180°	58.0	1.3
0°-30°	759.2	17.3
0°-40°	1267.4	28.8
0°-60°	2097.8	47.7
0°-90°	2526.8	57.4
90°-120°	406.7	9.2
90°-150°	1388.2	31.5
90°-180°	1874.0	42.6
0°-180°	4400.8	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°	11	0	11	0	11	6
95°	10	26	10	26	10	8
105°	134	133	134	133	134	121
115°	248	250	248	250	248	246
125°	355	355	355	355	355	316
135°	441	443	441	443	441	340
145°	512	514	512	514	512	320
155°	561	566	561	566	561	259
165°	594	597	594	597	594	168
175°	608	610	608	610	608	58
180°	610	610	610	610	610	



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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°	9.5	10.0	10.3	10.2	10.4	10.4	11.5	11.4	12.2	13.0	14.1
90°	10.9	10.6	10.3	10.0	9.7	9.2	8.7	8.2	7.7	7.2	6.5
92.5°	10.1	10.0	9.9	9.7	9.6	9.2	8.7	8.2	7.7	7.2	6.6
95°	9.5	9.5	9.5	9.5	9.5	9.2	8.7	8.2	7.7	7.2	11.1
97.5°	9.5	9.5	9.5	9.5	9.5	10.9	13.8	16.6	19.4	22.3	29.8
100°	9.5	9.9	10.3	10.7	11.1	18.8	33.8	48.8	63.7	78.7	78.3
102.5°	56.9	63.7	70.6	77.4	84.3	89.1	91.9	94.8	97.6	100.4	100.2
105°	134.4	134.5	134.6	134.7	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.4	169.7	170.0	170.3	170.6	170.7	170.7	170.7	170.7	170.6	170.4
110°	193.6	193.5	193.4	193.3	193.2	193.3	193.6	193.9	194.2	194.5	194.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	215.3	215.5	215.6	215.8	215.9	216.2	216.5	216.9	217.3	217.7	217.6
115°	247.9	248.5	249.1	249.7	250.3	250.8	251.2	251.6	252.0	252.4	252.3
117.5°	282.7	282.9	283.2	283.4	283.7	284.1	284.6	285.1	285.7	286.2	285.8
120°	304.0	304.5	305.0	305.5	306.0	306.4	306.6	306.8	307.0	307.2	306.9
122.5°	324.3	324.9	325.4	326.0	326.6	327.0	327.2	327.4	327.6	327.8	327.7
125°	355.1	355.4	355.7	356.0	356.3	356.7	357.1	357.5	357.9	358.3	358.3
127.5°	381.1	381.8	382.6	383.3	384.1	384.6	384.8	385.0	385.2	385.4	385.5
130°	399.9	400.4	400.9	401.4	401.9	402.3	402.6	402.9	403.2	403.5	403.4
132.5°	417.3	417.8	418.3	418.8	419.3	419.6	419.6	419.7	419.8	419.8	420.0
135°	441.1	441.7	442.3	442.9	443.5	443.9	444.1	444.3	444.5	444.7	444.9
137.5°	465.0	465.5	466.0	466.5	467.1	467.3	467.3	467.2	467.2	467.1	467.3
140°	479.1	479.7	480.3	480.9	481.5	481.7	481.5	481.3	481.1	480.9	481.0
142.5°	492.5	493.1	493.7	494.3	494.9	495.2	495.1	495.1	495.0	495.0	494.9
145°	512.1	512.7	513.3	513.9	514.5	514.8	514.7	514.6	514.5	514.4	514.4
147.5°	528.3	529.0	529.8	530.5	531.2	531.5	531.4	531.3	531.1	531.0	530.9
150°	538.8	539.6	540.4	541.2	542.0	542.3	542.1	541.9	541.7	541.5	541.3
152.5°	548.6	549.3	550.0	550.7	551.5	551.7	551.5	551.3	551.1	550.9	550.7
155°	561.4	562.2	563.0	563.8	564.6	564.9	564.6	564.3	564.0	563.7	563.5
157.5°	572.2	573.0	573.8	574.6	575.4	575.6	575.3	575.0	574.7	574.4	574.3
160°	579.1	579.9	580.7	581.5	582.3	582.5	582.1	581.7	581.3	580.9	580.8
162.5°	585.2	586.1	587.0	587.9	588.8	588.9	588.4	587.8	587.2	586.7	586.6
165°	593.5	594.3	595.1	596.0	596.8	596.9	596.3	595.7	595.0	594.4	594.3
167.5°	599.3	600.2	601.1	602.0	603.0	603.0	602.3	601.6	600.9	600.1	600.0
170°	602.6	603.5	604.4	605.3	606.2	606.3	605.5	604.6	603.8	603.0	602.9
172.5°	604.8	605.7	606.6	607.5	608.4	608.5	607.7	607.0	606.3	605.6	605.4
175°	607.6	608.5	609.4	610.3	611.2	611.2	610.4	609.6	608.8	608.0	607.9
177.5°	609.2	609.8	610.5	611.1	611.8	611.8	611.2	610.7	610.1	609.6	609.5
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



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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°	14.5	13.8	12.4	11.4	9.7	8.6	8.2	8.3	7.5	7.4	7.9
90°	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.0	5.4	4.7	4.7	5.3	5.8	6.4	7.0	6.4	5.8	5.3
95°	14.9	18.7	22.5	24.6	24.9	25.2	25.5	25.8	25.5	25.2	24.9
97.5°	37.4	44.9	52.5	56.0	55.5	54.9	54.4	53.8	54.4	54.9	55.5
100°	77.9	77.5	77.1	76.8	76.5	76.2	75.9	75.5	75.9	76.2	76.5
102.5°	99.9	99.7	99.5	99.2	98.8	98.4	98.0	97.6	98.0	98.4	98.8
105°	134.8	134.8	134.8	134.6	134.2	133.8	133.4	133.0	133.4	133.8	134.2
107.5°	170.2	170.0	169.8	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7
110°	194.1	193.9	193.7	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	217.5	217.3	217.2	217.0	216.8	216.5	216.3	216.1	216.3	216.5	216.8
115°	252.2	252.1	252.0	251.7	251.2	250.7	250.2	249.7	250.2	250.7	251.2
117.5°	285.4	285.0	284.7	284.5	284.5	284.5	284.5	284.6	284.5	284.5	284.5
120°	306.6	306.3	306.0	305.9	306.0	306.1	306.2	306.3	306.2	306.1	306.0
122.5°	327.5	327.4	327.2	327.0	326.6	326.2	325.8	325.5	325.8	326.2	326.6
125°	358.3	358.3	358.3	357.9	357.2	356.5	355.8	355.1	355.8	356.5	357.2
127.5°	385.6	385.6	385.7	385.5	385.0	384.5	384.0	383.4	384.0	384.5	385.0
130°	403.3	403.2	403.1	402.8	402.3	401.8	401.3	400.8	401.3	401.8	402.3
132.5°	420.3	420.5	420.7	420.5	419.9	419.4	418.8	418.2	418.8	419.4	419.9
135°	445.1	445.3	445.5	445.3	444.7	444.1	443.5	442.9	443.5	444.1	444.7
137.5°	467.5	467.7	467.9	467.7	467.2	466.6	466.1	465.6	466.1	466.6	467.2
140°	481.1	481.2	481.3	481.2	481.0	480.8	480.6	480.4	480.6	480.8	481.0
142.5°	494.7	494.6	494.4	494.3	494.2	494.1	494.0	493.8	494.0	494.1	494.2
145°	514.4	514.4	514.4	514.3	514.1	513.9	513.7	513.5	513.7	513.9	514.1
147.5°	530.8	530.7	530.5	530.5	530.5	530.6	530.6	530.7	530.6	530.6	530.5
150°	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5	541.3	541.1	540.9
152.5°	550.5	550.3	550.1	550.2	550.7	551.1	551.6	552.0	551.6	551.1	550.7
155°	563.3	563.1	562.9	563.1	563.7	564.3	564.9	565.5	564.9	564.3	563.7
157.5°	574.3	574.3	574.3	574.4	574.8	575.2	575.5	575.9	575.5	575.2	574.8
160°	580.7	580.6	580.5	580.7	581.3	581.9	582.5	583.1	582.5	581.9	581.3
162.5°	586.5	586.4	586.3	586.5	587.1	587.7	588.3	588.9	588.3	587.7	587.1
165°	594.2	594.1	594.0	594.3	594.9	595.5	596.1	596.7	596.1	595.5	594.9
167.5°	599.9	599.8	599.7	600.0	600.6	601.3	601.9	602.5	601.9	601.3	600.6
170°	602.8	602.7	602.6	602.9	603.6	604.3	605.1	605.8	605.1	604.3	603.6
172.5°	605.2	605.0	604.9	605.1	605.8	606.5	607.2	607.9	607.2	606.5	605.8
175°	607.8	607.7	607.6	607.9	608.5	609.1	609.7	610.3	609.7	609.1	608.5
177.5°	609.4	609.3	609.2	609.4	609.9	610.4	610.9	611.4	610.9	610.4	609.9
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

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°	8.3	9.1	8.9	9.4	9.5	10.3	10.1	11.4	12.1	12.8	12.6
90°	3.7	4.4	5.1	5.8	6.5	7.2	7.7	8.2	8.7	9.2	9.7
92.5°	4.7	4.7	5.4	6.0	6.6	7.2	7.7	8.2	8.7	9.2	9.6
95°	24.6	22.5	18.7	14.9	11.1	7.2	7.7	8.2	8.7	9.2	9.5
97.5°	56.0	52.5	44.9	37.4	29.8	22.3	19.4	16.6	13.8	10.9	9.5
100°	76.8	77.1	77.5	77.9	78.3	78.7	63.7	48.8	33.8	18.8	11.1
102.5°	99.2	99.5	99.7	99.9	100.2	100.4	97.6	94.8	91.9	89.1	84.3
105°	134.6	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.7	169.8	170.0	170.2	170.4	170.6	170.7	170.7	170.7	170.7	170.6
110°	193.6	193.7	193.9	194.1	194.3	194.5	194.2	193.9	193.6	193.3	193.2



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.0	217.2	217.3	217.5	217.6	217.7	217.3	216.9	216.5	216.2	215.9
115°	251.7	252.0	252.1	252.2	252.3	252.4	252.0	251.6	251.2	250.8	250.3
117.5°	284.5	284.7	285.0	285.4	285.8	286.2	285.7	285.1	284.6	284.1	283.7
120°	305.9	306.0	306.3	306.6	306.9	307.2	307.0	306.8	306.6	306.4	306.0
122.5°	327.0	327.2	327.4	327.5	327.7	327.8	327.6	327.4	327.2	327.0	326.6
125°	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.5	357.1	356.7	356.3
127.5°	385.5	385.7	385.6	385.6	385.5	385.4	385.2	385.0	384.8	384.6	384.1
130°	402.8	403.1	403.2	403.3	403.4	403.5	403.2	402.9	402.6	402.3	401.9
132.5°	420.5	420.7	420.5	420.3	420.0	419.8	419.8	419.7	419.6	419.6	419.3
135°	445.3	445.5	445.3	445.1	444.9	444.7	444.5	444.3	444.1	443.9	443.5
137.5°	467.7	467.9	467.7	467.5	467.3	467.1	467.2	467.2	467.3	467.3	467.1
140°	481.2	481.3	481.2	481.1	481.0	480.9	481.1	481.3	481.5	481.7	481.5
142.5°	494.3	494.4	494.6	494.7	494.9	495.0	495.0	495.1	495.1	495.2	494.9
145°	514.3	514.4	514.4	514.4	514.4	514.4	514.5	514.6	514.7	514.8	514.5
147.5°	530.5	530.5	530.7	530.8	530.9	531.0	531.1	531.3	531.4	531.5	531.2
150°	540.7	540.7	540.9	541.1	541.3	541.5	541.7	541.9	542.1	542.3	542.0
152.5°	550.2	550.1	550.3	550.5	550.7	550.9	551.1	551.3	551.5	551.7	551.5
155°	563.1	562.9	563.1	563.3	563.5	563.7	564.0	564.3	564.6	564.9	564.6
157.5°	574.4	574.3	574.3	574.3	574.3	574.4	574.7	575.0	575.3	575.6	575.4
160°	580.7	580.5	580.6	580.7	580.8	580.9	581.3	581.7	582.1	582.5	582.3
162.5°	586.5	586.3	586.4	586.5	586.6	586.7	587.2	587.8	588.4	588.9	588.8
165°	594.3	594.0	594.1	594.2	594.3	594.4	595.0	595.7	596.3	596.9	596.8
167.5°	600.0	599.7	599.8	599.9	600.0	600.1	600.9	601.6	602.3	603.0	603.0
170°	602.9	602.6	602.7	602.8	602.9	603.0	603.8	604.6	605.5	606.3	606.2
172.5°	605.1	604.9	605.0	605.2	605.4	605.6	606.3	607.0	607.7	608.5	608.4
175°	607.9	607.6	607.7	607.8	607.9	608.0	608.8	609.6	610.4	611.2	611.2
177.5°	609.4	609.2	609.3	609.4	609.5	609.6	610.1	610.7	611.2	611.8	611.8
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

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°	13.2	13.0	13.1	13.7	13.1	13.0	13.2	12.6	12.8	12.1	11.4
90°	10.0	10.3	10.6	10.9	10.6	10.3	10.0	9.7	9.2	8.7	8.2
92.5°	9.7	9.9	10.0	10.1	10.0	9.9	9.7	9.6	9.2	8.7	8.2
95°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.2	8.7	8.2
97.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.9	13.8	16.6
100°	10.7	10.3	9.9	9.5	9.9	10.3	10.7	11.1	18.8	33.8	48.8
102.5°	77.4	70.6	63.7	56.9	63.7	70.6	77.4	84.3	89.1	91.9	94.8
105°	134.7	134.6	134.5	134.4	134.5	134.6	134.7	134.8	134.8	134.8	134.8
107.5°	170.3	170.0	169.7	169.4	169.7	170.0	170.3	170.6	170.7	170.7	170.7
110°	193.3	193.4	193.5	193.6	193.5	193.4	193.3	193.2	193.3	193.6	193.9



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	215.8	215.6	215.5	215.3	215.5	215.6	215.8	215.9	216.2	216.5	216.9
115°	249.7	249.1	248.5	247.9	248.5	249.1	249.7	250.3	250.8	251.2	251.6
117.5°	283.4	283.2	282.9	282.7	282.9	283.2	283.4	283.7	284.1	284.6	285.1
120°	305.5	305.0	304.5	304.0	304.5	305.0	305.5	306.0	306.4	306.6	306.8
122.5°	326.0	325.4	324.9	324.3	324.9	325.4	326.0	326.6	327.0	327.2	327.4
125°	356.0	355.7	355.4	355.1	355.4	355.7	356.0	356.3	356.7	357.1	357.5
127.5°	383.3	382.6	381.8	381.1	381.8	382.6	383.3	384.1	384.6	384.8	385.0
130°	401.4	400.9	400.4	399.9	400.4	400.9	401.4	401.9	402.3	402.6	402.9
132.5°	418.8	418.3	417.8	417.3	417.8	418.3	418.8	419.3	419.6	419.6	419.7
135°	442.9	442.3	441.7	441.1	441.7	442.3	442.9	443.5	443.9	444.1	444.3
137.5°	466.5	466.0	465.5	465.0	465.5	466.0	466.5	467.1	467.3	467.3	467.2
140°	480.9	480.3	479.7	479.1	479.7	480.3	480.9	481.5	481.7	481.5	481.3
142.5°	494.3	493.7	493.1	492.5	493.1	493.7	494.3	494.9	495.2	495.1	495.1
145°	513.9	513.3	512.7	512.1	512.7	513.3	513.9	514.5	514.8	514.7	514.6
147.5°	530.5	529.8	529.0	528.3	529.0	529.8	530.5	531.2	531.5	531.4	531.3
150°	541.2	540.4	539.6	538.8	539.6	540.4	541.2	542.0	542.3	542.1	541.9
152.5°	550.7	550.0	549.3	548.6	549.3	550.0	550.7	551.5	551.7	551.5	551.3
155°	563.8	563.0	562.2	561.4	562.2	563.0	563.8	564.6	564.9	564.6	564.3
157.5°	574.6	573.8	573.0	572.2	573.0	573.8	574.6	575.4	575.6	575.3	575.0
160°	581.5	580.7	579.9	579.1	579.9	580.7	581.5	582.3	582.5	582.1	581.7
162.5°	587.9	587.0	586.1	585.2	586.1	587.0	587.9	588.8	588.9	588.4	587.8
165°	596.0	595.1	594.3	593.5	594.3	595.1	596.0	596.8	596.9	596.3	595.7
167.5°	602.0	601.1	600.2	599.3	600.2	601.1	602.0	603.0	603.0	602.3	601.6
170°	605.3	604.4	603.5	602.6	603.5	604.4	605.3	606.2	606.3	605.5	604.6
172.5°	607.5	606.6	605.7	604.8	605.7	606.6	607.5	608.4	608.5	607.7	607.0
175°	610.3	609.4	608.5	607.6	608.5	609.4	610.3	611.2	611.2	610.4	609.6
177.5°	611.1	610.5	609.8	609.2	609.8	610.5	611.1	611.8	611.8	611.2	610.7
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

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°	10.1	10.3	9.5	9.4	8.9	9.1	8.3	7.9	7.4	7.5	8.3
90°	7.7	7.2	6.5	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	7.7	7.2	6.6	6.0	5.4	4.7	4.7	5.3	5.8	6.4	7.0
95°	7.7	7.2	11.1	14.9	18.7	22.5	24.6	24.9	25.2	25.5	25.8
97.5°	19.4	22.3	29.8	37.4	44.9	52.5	56.0	55.5	54.9	54.4	53.8
100°	63.7	78.7	78.3	77.9	77.5	77.1	76.8	76.5	76.2	75.9	75.5
102.5°	97.6	100.4	100.2	99.9	99.7	99.5	99.2	98.8	98.4	98.0	97.6
105°	134.8	134.8	134.8	134.8	134.8	134.8	134.6	134.2	133.8	133.4	133.0
107.5°	170.7	170.6	170.4	170.2	170.0	169.8	169.7	169.7	169.7	169.7	169.7
110°	194.2	194.5	194.3	194.1	193.9	193.7	193.6	193.6	193.6	193.6	193.6



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	217.3	217.7	217.6	217.5	217.3	217.2	217.0	216.8	216.5	216.3	216.1
115°	252.0	252.4	252.3	252.2	252.1	252.0	251.7	251.2	250.7	250.2	249.7
117.5°	285.7	286.2	285.8	285.4	285.0	284.7	284.5	284.5	284.5	284.5	284.6
120°	307.0	307.2	306.9	306.6	306.3	306.0	305.9	306.0	306.1	306.2	306.3
122.5°	327.6	327.8	327.7	327.5	327.4	327.2	327.0	326.6	326.2	325.8	325.5
125°	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.2	356.5	355.8	355.1
127.5°	385.2	385.4	385.5	385.6	385.6	385.7	385.5	385.0	384.5	384.0	383.4
130°	403.2	403.5	403.4	403.3	403.2	403.1	402.8	402.3	401.8	401.3	400.8
132.5°	419.8	419.8	420.0	420.3	420.5	420.7	420.5	419.9	419.4	418.8	418.2
135°	444.5	444.7	444.9	445.1	445.3	445.5	445.3	444.7	444.1	443.5	442.9
137.5°	467.2	467.1	467.3	467.5	467.7	467.9	467.7	467.2	466.6	466.1	465.6
140°	481.1	480.9	481.0	481.1	481.2	481.3	481.2	481.0	480.8	480.6	480.4
142.5°	495.0	495.0	494.9	494.7	494.6	494.4	494.3	494.2	494.1	494.0	493.8
145°	514.5	514.4	514.4	514.4	514.4	514.4	514.3	514.1	513.9	513.7	513.5
147.5°	531.1	531.0	530.9	530.8	530.7	530.5	530.5	530.5	530.6	530.6	530.7
150°	541.7	541.5	541.3	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5
152.5°	551.1	550.9	550.7	550.5	550.3	550.1	550.2	550.7	551.1	551.6	552.0
155°	564.0	563.7	563.5	563.3	563.1	562.9	563.1	563.7	564.3	564.9	565.5
157.5°	574.7	574.4	574.3	574.3	574.3	574.3	574.4	574.8	575.2	575.5	575.9
160°	581.3	580.9	580.8	580.7	580.6	580.5	580.7	581.3	581.9	582.5	583.1
162.5°	587.2	586.7	586.6	586.5	586.4	586.3	586.5	587.1	587.7	588.3	588.9
165°	595.0	594.4	594.3	594.2	594.1	594.0	594.3	594.9	595.5	596.1	596.7
167.5°	600.9	600.1	600.0	599.9	599.8	599.7	600.0	600.6	601.3	601.9	602.5
170°	603.8	603.0	602.9	602.8	602.7	602.6	602.9	603.6	604.3	605.1	605.8
172.5°	606.3	605.6	605.4	605.2	605.0	604.9	605.1	605.8	606.5	607.2	607.9
175°	608.8	608.0	607.9	607.8	607.7	607.6	607.9	608.5	609.1	609.7	610.3
177.5°	610.1	609.6	609.5	609.4	609.3	609.2	609.4	609.9	610.4	610.9	611.4
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

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°	8.2	8.6	9.7	11.4	12.4	13.8	14.5	14.1	13.0	12.2	11.4
90°	1.3	2.1	2.9	3.7	4.4	5.1	5.8	6.5	7.2	7.7	8.2
92.5°	6.4	5.8	5.3	4.7	4.7	5.4	6.0	6.6	7.2	7.7	8.2
95°	25.5	25.2	24.9	24.6	22.5	18.7	14.9	11.1	7.2	7.7	8.2
97.5°	54.4	54.9	55.5	56.0	52.5	44.9	37.4	29.8	22.3	19.4	16.6
100°	75.9	76.2	76.5	76.8	77.1	77.5	77.9	78.3	78.7	63.7	48.8
102.5°	98.0	98.4	98.8	99.2	99.5	99.7	99.9	100.2	100.4	97.6	94.8
105°	133.4	133.8	134.2	134.6	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.7	169.7	169.7	169.7	169.8	170.0	170.2	170.4	170.6	170.7	170.7
110°	193.6	193.6	193.6	193.6	193.7	193.9	194.1	194.3	194.5	194.2	193.9



TEST NUMBER: P333370

CATALOG NUMBER: S125DIW-S610D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	216.3	216.5	216.8	217.0	217.2	217.3	217.5	217.6	217.7	217.3	216.9
115°	250.2	250.7	251.2	251.7	252.0	252.1	252.2	252.3	252.4	252.0	251.6
117.5°	284.5	284.5	284.5	284.5	284.7	285.0	285.4	285.8	286.2	285.7	285.1
120°	306.2	306.1	306.0	305.9	306.0	306.3	306.6	306.9	307.2	307.0	306.8
122.5°	325.8	326.2	326.6	327.0	327.2	327.4	327.5	327.7	327.8	327.6	327.4
125°	355.8	356.5	357.2	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.5
127.5°	384.0	384.5	385.0	385.5	385.7	385.6	385.6	385.5	385.4	385.2	385.0
130°	401.3	401.8	402.3	402.8	403.1	403.2	403.3	403.4	403.5	403.2	402.9
132.5°	418.8	419.4	419.9	420.5	420.7	420.5	420.3	420.0	419.8	419.8	419.7
135°	443.5	444.1	444.7	445.3	445.5	445.3	445.1	444.9	444.7	444.5	444.3
137.5°	466.1	466.6	467.2	467.7	467.9	467.7	467.5	467.3	467.1	467.2	467.2
140°	480.6	480.8	481.0	481.2	481.3	481.2	481.1	481.0	480.9	481.1	481.3
142.5°	494.0	494.1	494.2	494.3	494.4	494.6	494.7	494.9	495.0	495.0	495.1
145°	513.7	513.9	514.1	514.3	514.4	514.4	514.4	514.4	514.4	514.5	514.6
147.5°	530.6	530.6	530.5	530.5	530.5	530.7	530.8	530.9	531.0	531.1	531.3
150°	541.3	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5	541.7	541.9
152.5°	551.6	551.1	550.7	550.2	550.1	550.3	550.5	550.7	550.9	551.1	551.3
155°	564.9	564.3	563.7	563.1	562.9	563.1	563.3	563.5	563.7	564.0	564.3
157.5°	575.5	575.2	574.8	574.4	574.3	574.3	574.3	574.3	574.4	574.7	575.0
160°	582.5	581.9	581.3	580.7	580.5	580.6	580.7	580.8	580.9	581.3	581.7
162.5°	588.3	587.7	587.1	586.5	586.3	586.4	586.5	586.6	586.7	587.2	587.8
165°	596.1	595.5	594.9	594.3	594.0	594.1	594.2	594.3	594.4	595.0	595.7
167.5°	601.9	601.3	600.6	600.0	599.7	599.8	599.9	600.0	600.1	600.9	601.6
170°	605.1	604.3	603.6	602.9	602.6	602.7	602.8	602.9	603.0	603.8	604.6
172.5°	607.2	606.5	605.8	605.1	604.9	605.0	605.2	605.4	605.6	606.3	607.0
175°	609.7	609.1	608.5	607.9	607.6	607.7	607.8	607.9	608.0	608.8	609.6
177.5°	610.9	610.4	609.9	609.4	609.2	609.3	609.4	609.5	609.6	610.1	610.7
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



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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°	11.5	10.4	10.4	10.2	10.3	10.0	9.5
90°	8.7	9.2	9.7	10.0	10.3	10.6	10.9
92.5°	8.7	9.2	9.6	9.7	9.9	10.0	10.1
95°	8.7	9.2	9.5	9.5	9.5	9.5	9.5
97.5°	13.8	10.9	9.5	9.5	9.5	9.5	9.5
100°	33.8	18.8	11.1	10.7	10.3	9.9	9.5
102.5°	91.9	89.1	84.3	77.4	70.6	63.7	56.9
105°	134.8	134.8	134.8	134.7	134.6	134.5	134.4
107.5°	170.7	170.7	170.6	170.3	170.0	169.7	169.4
110°	193.6	193.3	193.2	193.3	193.4	193.5	193.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	216.5	216.2	215.9	215.8	215.6	215.5	215.3
115°	251.2	250.8	250.3	249.7	249.1	248.5	247.9
117.5°	284.6	284.1	283.7	283.4	283.2	282.9	282.7
120°	306.6	306.4	306.0	305.5	305.0	304.5	304.0
122.5°	327.2	327.0	326.6	326.0	325.4	324.9	324.3
125°	357.1	356.7	356.3	356.0	355.7	355.4	355.1
127.5°	384.8	384.6	384.1	383.3	382.6	381.8	381.1
130°	402.6	402.3	401.9	401.4	400.9	400.4	399.9
132.5°	419.6	419.6	419.3	418.8	418.3	417.8	417.3
135°	444.1	443.9	443.5	442.9	442.3	441.7	441.1
137.5°	467.3	467.3	467.1	466.5	466.0	465.5	465.0
140°	481.5	481.7	481.5	480.9	480.3	479.7	479.1
142.5°	495.1	495.2	494.9	494.3	493.7	493.1	492.5
145°	514.7	514.8	514.5	513.9	513.3	512.7	512.1
147.5°	531.4	531.5	531.2	530.5	529.8	529.0	528.3
150°	542.1	542.3	542.0	541.2	540.4	539.6	538.8
152.5°	551.5	551.7	551.5	550.7	550.0	549.3	548.6
155°	564.6	564.9	564.6	563.8	563.0	562.2	561.4
157.5°	575.3	575.6	575.4	574.6	573.8	573.0	572.2
160°	582.1	582.5	582.3	581.5	580.7	579.9	579.1
162.5°	588.4	588.9	588.8	587.9	587.0	586.1	585.2
165°	596.3	596.9	596.8	596.0	595.1	594.3	593.5
167.5°	602.3	603.0	603.0	602.0	601.1	600.2	599.3
170°	605.5	606.3	606.2	605.3	604.4	603.5	602.6
172.5°	607.7	608.5	608.4	607.5	606.6	605.7	604.8
175°	610.4	611.2	611.2	610.3	609.4	608.5	607.6
177.5°	611.2	611.8	611.8	611.1	610.5	609.8	609.2
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3

(END OF REPORT)