

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: P332746-927

Luminaire Tested: **S124DIW-S575D470U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332746-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S575D470U927-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3342.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

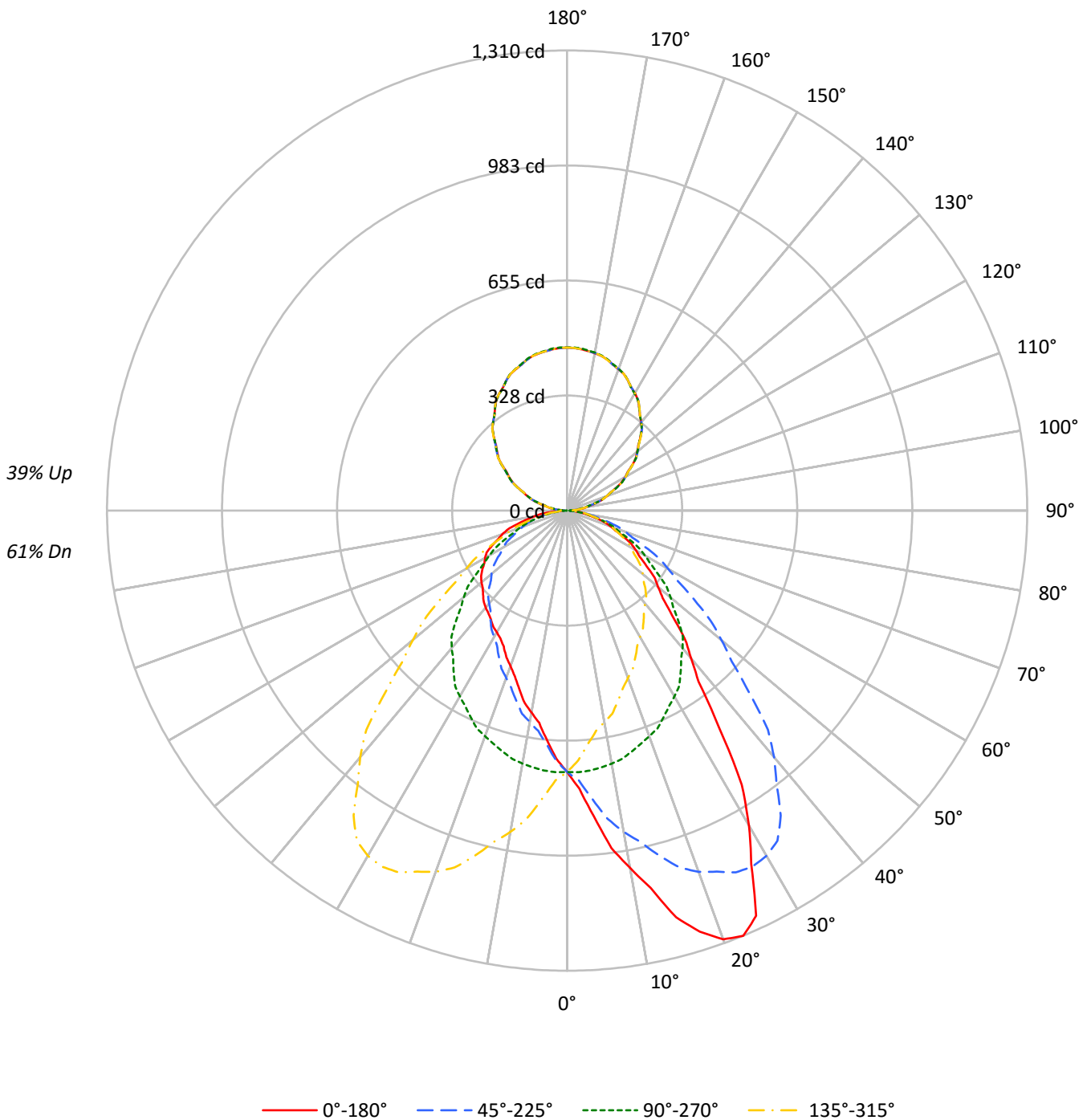
Input Watts (W): 30.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P332746-927

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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	61
1	101	96	92	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	50	48	44
3	84	75	67	61	78	70	64	58	62	57	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	34	31	29
6	65	53	45	39	61	50	43	38	45	39	34	39	35	31	35	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6006	6006	6006	6006
5°	7074	6022	5315	6022
10°	8470	5996	4786	5996
15°	10021	5935	4395	5935
20°	11159	5874	4046	5874
25°	11339	5782	3805	5782
30°	9648	5695	3730	5695
35°	7418	5552	3730	5552
40°	5782	5385	3800	5385
45°	4820	5134	3863	5134
50°	4243	4828	3995	4828
55°	3887	4460	4155	4460
60°	3643	4130	4350	4130
65°	3391	3761	4510	3761
70°	3099	3397	4612	3397
75°	2770	2991	4557	2991
80°	2320	2450	4412	2450
85°	1714	1769	4224	1769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	2.2
10°-20°	223.4	6.7
20°-30°	354.3	10.6
30°-40°	394.3	11.8
40°-50°	358.9	10.7
50°-60°	293.3	8.8
60°-70°	209.4	6.3
70°-80°	115.3	3.5
80°-90°	32.9	1.0
90°-100°	30.6	0.9
100°-110°	90.7	2.7
110°-120°	153.9	4.6
120°-130°	203.0	6.1
130°-140°	227.9	6.8
140°-150°	224.0	6.7
150°-160°	188.4	5.6
160°-170°	125.3	3.8
170°-180°	43.9	1.3
0°-30°	650.2	19.5
0°-40°	1044.5	31.3
0°-60°	1696.7	50.8
0°-90°	2054.3	61.5
90°-120°	275.2	8.2
90°-150°	930.1	27.8
90°-180°	1288.0	38.5
0°-180°	3342.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	744	744	744	744	744	
5°	873	743	656	743	873	89
15°	1199	710	526	710	1199	339
25°	1273	649	427	649	1273	561
35°	753	563	378	563	753	478
45°	422	450	338	450	422	333
55°	276	317	295	317	276	249
65°	178	197	236	197	178	176
75°	89	96	146	96	89	94
85°	18	19	46	19	18	23
90°	11	1	11	1	11	6
95°	28	22	28	22	28	30
105°	88	84	88	84	88	92
115°	155	156	155	156	155	153
125°	226	228	226	228	226	202
135°	294	294	294	294	294	227
145°	358	357	358	357	358	224
155°	409	409	409	409	409	188
165°	444	445	444	445	444	125
175°	461	463	461	463	461	44
180°	464	464	464	464	464	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	791.9	791.6	789.2	788.7	787.0	784.7	784.3	780.3	772.4	768.7	767.7
5°	872.9	879.1	871.0	869.5	868.5	858.4	853.2	847.0	832.8	824.5	818.0
7.5°	969.6	970.3	966.8	963.9	956.1	947.2	933.9	919.7	902.9	885.3	872.0
10°	1033.2	1035.6	1031.7	1031.0	1015.3	1005.4	985.7	969.1	949.9	928.7	909.3
12.5°	1100.3	1096.8	1094.7	1081.6	1078.6	1060.7	1037.8	1020.6	991.1	966.6	940.8
15°	1199.0	1192.2	1187.9	1169.7	1160.8	1135.8	1111.4	1092.7	1054.2	1017.5	989.7
17.5°	1257.0	1263.7	1253.7	1246.3	1223.1	1205.6	1180.7	1141.3	1111.1	1065.6	1030.5
20°	1298.9	1299.5	1294.0	1286.2	1268.0	1245.9	1218.7	1175.6	1139.5	1094.2	1046.1
22.5°	1310.2	1310.3	1308.0	1300.8	1287.0	1269.0	1241.7	1205.6	1162.0	1112.7	1064.6
25°	1273.0	1271.8	1274.5	1282.5	1277.3	1271.8	1256.0	1229.2	1188.5	1136.4	1084.7
27.5°	1134.6	1143.1	1158.8	1178.5	1197.5	1212.0	1216.1	1210.6	1185.3	1142.5	1088.3
30°	1035.0	1045.5	1057.2	1077.0	1115.2	1137.0	1161.1	1179.2	1169.1	1134.9	1084.3
32.5°	925.5	928.1	945.5	968.0	1003.0	1045.0	1083.2	1120.1	1132.3	1114.4	1072.2
35°	752.7	757.0	775.8	798.0	840.8	892.3	949.7	1000.8	1043.1	1060.0	1038.4
37.5°	614.3	626.6	639.8	663.7	701.5	747.8	807.4	873.5	936.5	978.7	985.8
40°	548.7	556.3	565.9	584.1	616.2	661.8	712.9	788.8	855.6	916.1	935.8
42.5°	496.9	501.4	507.2	523.6	548.1	593.4	640.2	706.9	774.0	846.3	879.3
45°	422.2	426.9	436.7	446.3	464.8	496.2	539.7	594.5	662.0	731.7	792.7
47.5°	368.4	371.4	377.2	387.5	403.1	423.9	459.2	505.0	567.6	635.3	700.3
50°	337.8	340.2	344.9	354.2	366.1	384.7	413.6	456.5	505.5	573.6	637.4
52.5°	313.6	314.7	318.1	324.3	333.9	349.4	373.2	408.6	454.2	514.9	578.5
55°	276.2	277.4	280.5	285.1	293.4	303.3	321.5	348.0	387.8	440.5	495.6
57.5°	245.3	246.2	248.8	250.6	257.5	265.5	279.4	298.3	328.5	373.2	422.5
60°	225.6	225.0	228.1	229.7	234.2	241.1	251.8	270.0	296.2	332.2	377.6
62.5°	206.4	205.5	208.1	210.2	212.8	218.6	227.4	241.6	262.9	295.6	334.7
65°	177.5	176.3	177.8	180.3	182.8	185.8	192.3	204.9	221.9	245.3	275.2
67.5°	148.5	149.9	150.1	151.3	152.7	156.9	161.4	170.3	182.3	201.1	226.3
70°	131.3	131.6	132.8	132.8	133.8	137.4	141.2	146.4	158.1	175.4	196.1
72.5°	114.1	115.3	114.9	115.8	116.5	119.0	121.7	126.7	136.7	149.5	166.9
75°	88.8	89.7	89.7	90.0	90.9	91.8	94.0	97.7	104.8	114.3	126.4
77.5°	64.7	64.9	65.3	66.4	66.4	67.9	69.5	72.4	76.0	82.5	89.8
80°	49.9	50.5	50.2	50.9	50.9	52.1	52.7	56.4	57.9	62.3	68.1
82.5°	36.6	37.2	37.2	38.0	38.5	38.7	39.6	41.1	42.6	46.5	48.9
85°	18.5	19.1	18.5	19.1	20.0	20.4	21.2	21.5	22.8	23.8	25.9
87.5°	7.6	8.3	8.2	8.5	9.0	9.1	9.3	9.0	9.8	10.0	10.9
90°	10.8	10.6	10.5	10.3	10.1	9.8	9.3	8.9	8.4	7.9	7.3
92.5°	15.9	15.8	15.8	15.7	15.5	15.4	15.1	14.8	14.5	14.2	13.8
95°	28.4	28.4	28.4	28.4	28.4	28.2	28.0	27.7	27.5	27.3	26.7
97.5°	44.4	44.4	44.4	44.4	44.4	44.3	44.0	43.7	43.4	43.2	42.5
100°	55.6	55.6	55.6	55.6	55.6	55.5	55.4	55.2	55.1	54.9	54.2
102.5°	68.3	68.2	68.1	68.0	68.0	67.9	67.7	67.4	67.2	67.0	66.3
105°	87.6	87.4	87.1	86.9	86.7	86.4	86.2	86.0	85.6	85.4	85.1
107.5°	106.4	106.4	106.5	106.5	106.5	106.4	106.2	105.9	105.7	105.4	105.4
110°	119.9	119.6	119.4	119.1	118.9	118.9	119.1	119.2	119.4	119.5	119.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	133.6	133.6	133.6	133.6	133.5	133.5	133.5	133.6	133.6	133.6	133.7
115°	155.1	155.2	155.3	155.3	155.4	155.5	155.6	155.7	155.7	155.8	156.0
117.5°	175.5	175.6	175.8	175.9	176.1	176.3	176.6	176.9	177.1	177.4	177.5
120°	191.0	190.8	190.7	190.5	190.4	190.4	190.8	191.2	191.6	192.0	192.3
122.5°	203.9	204.1	204.5	204.8	205.0	205.3	205.6	205.9	206.1	206.4	206.5
125°	226.2	226.3	226.5	226.6	226.8	227.0	227.1	227.3	227.4	227.6	227.7
127.5°	246.8	246.9	247.0	247.2	247.2	247.4	247.6	247.7	247.9	248.0	248.2
130°	260.2	260.5	260.9	261.2	261.5	261.7	261.9	262.1	262.2	262.4	262.4
132.5°	274.6	274.7	274.9	275.0	275.1	275.3	275.4	275.6	275.8	275.9	276.0
135°	294.4	294.6	294.9	295.1	295.3	295.5	295.6	295.8	296.0	296.1	296.1
137.5°	315.1	315.1	315.0	315.0	314.9	315.0	315.2	315.4	315.6	315.8	315.7
140°	327.7	327.8	327.9	328.0	328.0	328.1	328.2	328.3	328.4	328.4	328.4
142.5°	340.4	340.4	340.4	340.4	340.4	340.5	340.5	340.5	340.5	340.5	340.6
145°	357.5	357.7	358.0	358.2	358.5	358.6	358.7	358.8	358.9	358.9	358.9
147.5°	374.9	375.0	375.1	375.2	375.3	375.3	375.3	375.4	375.5	375.6	375.7
150°	385.6	385.6	385.7	385.8	385.9	385.9	385.9	385.9	385.9	385.9	385.9
152.5°	395.3	395.5	395.7	395.9	396.1	396.2	395.9	395.8	395.5	395.4	395.3
155°	408.8	409.2	409.5	409.8	410.1	410.1	409.8	409.5	409.2	408.8	408.9
157.5°	421.0	421.3	421.5	421.8	422.1	422.1	421.8	421.6	421.4	421.1	421.1
160°	427.9	428.3	428.7	429.1	429.5	429.6	429.4	429.1	428.9	428.6	428.7
162.5°	435.1	435.5	435.9	436.3	436.7	436.7	436.3	435.8	435.4	434.9	435.0
165°	444.4	444.7	445.0	445.4	445.7	445.6	445.1	444.7	444.2	443.7	443.9
167.5°	451.1	451.5	452.1	452.6	453.0	453.0	452.6	452.1	451.6	451.1	451.1
170°	454.8	455.3	455.9	456.5	457.0	457.1	456.6	456.1	455.7	455.2	455.1
172.5°	458.0	458.5	459.1	459.6	460.2	460.2	459.7	459.1	458.6	458.0	458.0
175°	461.3	461.8	462.4	463.0	463.5	463.5	463.0	462.4	461.8	461.3	461.4
177.5°	463.0	463.5	464.1	464.5	465.0	465.1	464.6	464.2	463.7	463.3	463.3
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	767.9	764.5	762.1	760.1	754.6	751.5	749.0	745.5	741.6	737.4	732.2
5°	811.6	801.1	793.4	781.6	770.6	761.3	751.8	743.1	732.6	721.3	712.9
7.5°	857.4	841.8	821.8	804.5	785.0	768.0	752.9	737.4	721.2	705.5	691.2
10°	886.5	866.4	844.2	818.0	793.4	771.5	751.1	731.4	712.3	693.2	676.8
12.5°	917.7	892.8	860.0	829.3	801.8	772.5	747.9	723.7	700.7	680.6	661.6
15°	959.8	923.8	885.8	844.9	808.5	774.3	740.7	710.1	684.3	657.7	639.3
17.5°	985.6	941.0	897.7	854.8	810.8	767.6	731.4	696.2	663.8	637.5	614.2
20°	1002.7	958.3	904.4	861.5	809.1	764.7	722.8	683.7	649.7	621.7	597.6
22.5°	1017.5	966.1	912.2	855.8	803.7	756.5	710.7	671.3	636.7	607.1	584.1
25°	1025.5	966.6	908.0	851.9	792.7	737.0	695.4	649.1	612.1	581.0	556.3
27.5°	1026.4	963.4	897.1	834.8	773.7	721.8	669.2	627.9	589.5	556.6	532.9
30°	1023.6	958.0	886.8	819.3	758.0	701.5	655.9	610.9	571.7	539.1	514.4
32.5°	1014.9	946.6	873.5	802.0	738.5	683.3	636.2	593.4	555.2	523.1	497.2
35°	990.0	922.5	844.5	770.2	705.2	649.4	606.9	563.4	525.2	494.7	469.8
37.5°	951.0	889.9	810.7	733.8	669.9	613.9	571.7	532.5	498.0	467.0	441.4
40°	917.0	863.3	783.8	708.9	639.8	586.5	547.1	511.0	476.8	447.5	423.2
42.5°	877.7	831.0	757.6	678.3	611.7	558.2	519.8	487.4	455.1	428.1	403.7
45°	807.9	777.1	708.0	634.6	565.3	514.8	478.1	449.7	422.6	396.1	375.7
47.5°	727.5	712.2	654.0	584.4	518.6	468.7	437.0	410.7	387.0	364.5	346.6
50°	673.4	666.1	615.8	548.7	485.8	438.9	406.9	384.4	364.0	344.3	327.3
52.5°	620.2	620.0	574.6	513.1	455.0	409.8	378.0	357.0	339.4	323.3	308.1
55°	538.8	547.4	512.0	457.1	405.0	364.3	335.6	316.9	304.5	291.3	279.9
57.5°	464.0	478.3	449.1	400.8	357.3	319.8	294.9	280.7	267.6	259.6	251.3
60°	415.2	428.7	405.9	365.3	324.2	292.2	268.5	255.8	244.4	238.8	233.0
62.5°	371.8	383.9	366.9	329.2	293.7	262.8	242.8	230.7	223.0	216.9	213.0
65°	309.7	320.0	305.5	278.1	247.5	222.8	206.5	196.9	189.6	187.1	182.8
67.5°	250.4	259.7	251.8	228.5	204.1	185.4	172.6	163.4	159.1	156.9	153.8
70°	215.2	224.4	216.0	195.7	176.9	161.2	149.2	143.9	139.3	138.4	134.1
72.5°	185.3	191.6	183.2	167.4	151.3	138.0	128.7	123.3	120.8	119.1	116.8
75°	139.0	144.6	139.0	126.7	115.3	106.0	98.0	95.9	93.1	92.1	90.6
77.5°	98.4	103.2	98.9	91.3	82.7	75.6	71.3	68.5	67.9	66.3	67.0
80°	75.2	78.3	74.3	69.1	62.3	57.4	54.3	52.7	50.9	50.2	51.5
82.5°	54.0	55.4	53.3	49.8	44.8	41.5	39.5	37.6	37.3	37.4	37.4
85°	28.0	27.7	27.4	24.3	22.8	20.7	19.4	19.1	18.8	19.4	20.0
87.5°	10.7	10.8	10.5	9.3	8.4	7.4	7.1	6.7	7.1	7.4	7.9
90°	6.7	6.0	5.3	4.6	3.7	2.9	2.0	1.1	2.0	2.9	3.7
92.5°	13.3	12.9	12.4	11.7	10.7	9.7	8.7	7.7	8.7	9.7	10.7
95°	26.1	25.6	25.0	24.4	23.7	23.0	22.3	21.5	22.3	23.0	23.7
97.5°	41.8	41.2	40.6	39.9	39.4	38.7	38.2	37.6	38.2	38.7	39.4
100°	53.5	52.8	52.0	51.6	51.2	50.9	50.5	50.2	50.5	50.9	51.2
102.5°	65.7	65.0	64.4	64.0	63.8	63.7	63.6	63.5	63.6	63.7	63.8
105°	84.8	84.4	84.1	84.0	83.9	83.8	83.7	83.7	83.7	83.8	83.9
107.5°	105.4	105.4	105.3	105.2	105.1	105.0	104.9	104.8	104.9	105.0	105.1
110°	119.7	119.8	119.9	119.8	119.6	119.5	119.3	119.1	119.3	119.5	119.6



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	133.9	134.0	134.2	134.3	134.2	134.2	134.1	134.1	134.1	134.2	134.2
115°	156.1	156.3	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
117.5°	177.6	177.8	177.8	177.8	177.8	177.8	177.7	177.6	177.7	177.8	177.8
120°	192.5	192.7	193.0	193.0	192.7	192.3	192.0	191.7	192.0	192.3	192.7
122.5°	206.6	206.8	206.8	206.8	206.7	206.6	206.4	206.4	206.4	206.6	206.7
125°	227.8	227.8	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
127.5°	248.3	248.4	248.6	248.5	248.3	248.0	247.8	247.6	247.8	248.0	248.3
130°	262.4	262.4	262.4	262.3	262.1	261.8	261.6	261.3	261.6	261.8	262.1
132.5°	276.0	276.1	276.2	276.1	275.9	275.8	275.6	275.4	275.6	275.8	275.9
135°	296.1	296.1	296.1	295.9	295.4	294.9	294.5	294.0	294.5	294.9	295.4
137.5°	315.6	315.4	315.3	315.1	314.9	314.7	314.5	314.3	314.5	314.7	314.9
140°	328.4	328.4	328.4	328.4	328.2	328.0	327.9	327.7	327.9	328.0	328.2
142.5°	340.6	340.7	340.8	340.7	340.6	340.4	340.2	340.1	340.2	340.4	340.6
145°	358.8	358.7	358.6	358.5	358.1	357.8	357.5	357.2	357.5	357.8	358.1
147.5°	375.7	375.7	375.8	375.7	375.3	374.9	374.5	374.1	374.5	374.9	375.3
150°	385.9	385.9	385.9	385.7	385.4	385.1	384.8	384.4	384.8	385.1	385.4
152.5°	395.2	395.1	395.1	395.0	394.8	394.6	394.4	394.2	394.4	394.6	394.8
155°	409.0	409.1	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2
157.5°	421.2	421.2	421.2	421.3	421.4	421.6	421.7	421.8	421.7	421.6	421.4
160°	428.8	428.9	429.0	429.0	429.1	429.2	429.3	429.4	429.3	429.2	429.1
162.5°	435.1	435.1	435.2	435.4	435.6	435.8	436.0	436.3	436.0	435.8	435.6
165°	444.0	444.2	444.3	444.5	444.7	445.0	445.2	445.4	445.2	445.0	444.7
167.5°	451.1	451.1	451.1	451.2	451.6	451.9	452.3	452.6	452.3	451.9	451.6
170°	455.0	455.0	454.9	455.0	455.4	455.8	456.2	456.6	456.2	455.8	455.4
172.5°	458.0	458.0	458.0	458.1	458.5	458.8	459.1	459.5	459.1	458.8	458.5
175°	461.4	461.5	461.6	461.8	462.2	462.6	463.0	463.4	463.0	462.6	462.2
177.5°	463.3	463.3	463.3	463.4	463.7	464.1	464.4	464.7	464.4	464.1	463.7
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	729.8	727.5	724.3	719.9	716.2	712.3	711.2	709.8	712.7	710.3	709.6
5°	705.8	699.3	691.0	681.5	676.0	667.9	666.4	663.3	660.2	659.9	656.8
7.5°	680.5	671.0	660.1	650.4	641.4	632.6	626.9	625.7	621.1	618.5	615.4
10°	664.2	652.5	639.8	630.7	620.1	610.9	604.4	600.7	597.6	594.2	591.2
12.5°	645.0	632.6	622.1	612.1	599.7	592.6	582.0	575.6	575.0	575.0	567.0
15°	622.6	610.3	594.2	580.1	573.3	559.8	553.9	546.4	541.9	537.3	533.5
17.5°	597.1	581.7	569.2	552.9	540.0	529.2	521.4	517.0	510.1	503.5	498.8
20°	581.0	564.7	551.4	534.2	520.0	506.8	500.3	494.1	488.9	483.3	478.1
22.5°	564.7	547.6	531.5	514.7	501.5	487.5	481.3	472.9	467.9	464.8	459.5
25°	539.1	520.6	502.1	486.1	472.5	460.2	451.9	445.4	439.8	437.4	434.0
27.5°	511.2	492.8	475.0	456.8	441.4	432.5	425.8	420.9	417.7	414.5	412.9
30°	493.5	474.4	455.3	438.3	424.1	415.2	409.0	405.6	403.1	401.6	400.1
32.5°	475.5	456.6	436.5	421.0	408.4	400.4	395.7	392.3	391.1	390.5	390.0
35°	446.6	427.5	409.0	395.1	383.1	380.0	376.0	374.1	373.6	375.7	376.7
37.5°	418.7	400.9	383.9	370.5	362.6	358.1	356.7	356.8	359.0	360.9	363.1
40°	400.7	383.4	367.4	355.7	348.3	345.5	344.9	346.4	348.9	351.1	353.6
42.5°	383.2	366.1	351.6	340.6	335.5	333.0	333.4	334.9	338.3	341.0	344.7
45°	356.0	341.8	327.6	318.7	314.4	315.0	315.0	317.7	321.2	325.2	329.2
47.5°	330.4	316.1	304.4	296.9	294.7	294.1	295.9	299.5	304.4	309.3	315.0
50°	313.1	299.6	289.4	282.7	280.2	281.1	283.6	286.9	292.8	299.0	304.8
52.5°	295.6	283.3	273.9	267.6	265.9	267.5	270.0	275.4	280.5	287.2	294.2
55°	268.5	258.0	250.6	246.0	245.3	246.3	249.1	254.9	262.3	270.6	277.4
57.5°	241.4	232.7	225.9	222.7	223.0	223.9	228.4	235.4	243.3	252.2	260.9
60°	223.2	215.2	209.6	207.2	207.5	209.3	214.8	221.3	231.2	239.8	249.1
62.5°	205.9	198.8	193.5	191.3	190.9	195.0	200.3	207.0	216.9	226.5	236.5
65°	178.2	172.6	168.3	167.1	167.9	171.0	177.8	186.8	195.1	205.3	215.8
67.5°	151.0	146.5	143.5	144.1	145.2	149.7	155.4	163.1	172.5	183.1	193.5
70°	133.8	129.4	127.0	127.3	129.1	134.7	139.7	147.3	157.5	168.3	176.9
72.5°	116.1	113.2	111.0	112.3	114.1	118.0	124.1	131.8	140.8	150.8	159.9
75°	89.0	89.0	87.9	88.8	91.6	95.2	99.9	107.9	116.8	124.8	132.2
77.5°	66.1	65.4	66.2	67.3	68.9	73.3	78.6	84.4	91.0	99.1	105.2
80°	50.5	50.9	52.4	54.3	54.9	58.2	63.8	69.1	74.3	81.0	86.9
82.5°	37.9	38.3	39.1	41.4	42.1	45.7	49.3	54.5	59.3	63.8	68.7
85°	20.7	20.7	22.2	23.1	24.6	27.1	29.3	32.4	36.7	39.8	44.4
87.5°	8.8	9.0	10.1	10.7	11.6	12.9	13.5	16.3	17.4	18.7	21.0
90°	4.6	5.3	6.0	6.7	7.3	7.9	8.4	8.9	9.3	9.8	10.1
92.5°	11.7	12.4	12.9	13.3	13.8	14.2	14.5	14.8	15.1	15.4	15.5
95°	24.4	25.0	25.6	26.1	26.7	27.3	27.5	27.7	28.0	28.2	28.4
97.5°	39.9	40.6	41.2	41.8	42.5	43.2	43.4	43.7	44.0	44.3	44.4
100°	51.6	52.0	52.8	53.5	54.2	54.9	55.1	55.2	55.4	55.5	55.6
102.5°	64.0	64.4	65.0	65.7	66.3	67.0	67.2	67.4	67.7	67.9	68.0
105°	84.0	84.1	84.4	84.8	85.1	85.4	85.6	86.0	86.2	86.4	86.7
107.5°	105.2	105.3	105.4	105.4	105.4	105.4	105.7	105.9	106.2	106.4	106.5
110°	119.8	119.9	119.8	119.7	119.6	119.5	119.4	119.2	119.1	118.9	118.9



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	134.3	134.2	134.0	133.9	133.7	133.6	133.6	133.6	133.5	133.5	133.5
115°	156.5	156.5	156.3	156.1	156.0	155.8	155.7	155.7	155.6	155.5	155.4
117.5°	177.8	177.8	177.8	177.6	177.5	177.4	177.1	176.9	176.6	176.3	176.1
120°	193.0	193.0	192.7	192.5	192.3	192.0	191.6	191.2	190.8	190.4	190.4
122.5°	206.8	206.8	206.8	206.6	206.5	206.4	206.1	205.9	205.6	205.3	205.0
125°	227.9	227.9	227.8	227.8	227.7	227.6	227.4	227.3	227.1	227.0	226.8
127.5°	248.5	248.6	248.4	248.3	248.2	248.0	247.9	247.7	247.6	247.4	247.2
130°	262.3	262.4	262.4	262.4	262.4	262.4	262.2	262.1	261.9	261.7	261.5
132.5°	276.1	276.2	276.1	276.0	276.0	275.9	275.8	275.6	275.4	275.3	275.1
135°	295.9	296.1	296.1	296.1	296.1	296.1	296.0	295.8	295.6	295.5	295.3
137.5°	315.1	315.3	315.4	315.6	315.7	315.8	315.6	315.4	315.2	315.0	314.9
140°	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.3	328.2	328.1	328.0
142.5°	340.7	340.8	340.7	340.6	340.6	340.5	340.5	340.5	340.5	340.5	340.4
145°	358.5	358.6	358.7	358.8	358.9	358.9	358.9	358.8	358.7	358.6	358.5
147.5°	375.7	375.8	375.7	375.7	375.7	375.6	375.5	375.4	375.3	375.3	375.3
150°	385.7	385.9	385.9	385.9	385.9	385.9	385.9	385.9	385.9	385.9	385.9
152.5°	395.0	395.1	395.1	395.2	395.3	395.4	395.5	395.8	395.9	396.2	396.1
155°	409.2	409.2	409.1	409.0	408.9	408.8	409.2	409.5	409.8	410.1	410.1
157.5°	421.3	421.2	421.2	421.2	421.1	421.1	421.4	421.6	421.8	422.1	422.1
160°	429.0	429.0	428.9	428.8	428.7	428.6	428.9	429.1	429.4	429.6	429.5
162.5°	435.4	435.2	435.1	435.1	435.0	434.9	435.4	435.8	436.3	436.7	436.7
165°	444.5	444.3	444.2	444.0	443.9	443.7	444.2	444.7	445.1	445.6	445.7
167.5°	451.2	451.1	451.1	451.1	451.1	451.1	451.6	452.1	452.6	453.0	453.0
170°	455.0	454.9	455.0	455.0	455.1	455.2	455.7	456.1	456.6	457.1	457.0
172.5°	458.1	458.0	458.0	458.0	458.0	458.0	458.6	459.1	459.7	460.2	460.2
175°	461.8	461.6	461.5	461.4	461.4	461.3	461.8	462.4	463.0	463.5	463.5
177.5°	463.4	463.3	463.3	463.3	463.3	463.3	463.7	464.2	464.6	465.1	465.0
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	709.0	708.5	706.8	706.5	706.8	708.5	709.0	709.6	710.3	712.7	709.8
5°	655.0	653.5	652.5	655.9	652.5	653.5	655.0	656.8	659.9	660.2	663.3
7.5°	614.3	613.0	610.3	609.4	610.3	613.0	614.3	615.4	618.5	621.1	625.7
10°	588.1	586.8	584.4	583.8	584.4	586.8	588.1	591.2	594.2	597.6	600.7
12.5°	562.9	560.5	560.0	560.6	560.0	560.5	562.9	567.0	575.0	575.0	575.6
15°	529.5	528.3	524.9	525.9	524.9	528.3	529.5	533.5	537.3	541.9	546.4
17.5°	496.6	495.1	491.0	494.6	491.0	495.1	496.6	498.8	503.5	510.1	517.0
20°	475.9	473.4	471.3	471.0	471.3	473.4	475.9	478.1	483.3	488.9	494.1
22.5°	456.1	453.9	453.8	451.7	453.8	453.9	456.1	459.5	464.8	467.9	472.9
25°	431.5	429.4	428.7	427.2	428.7	429.4	431.5	434.0	437.4	439.8	445.4
27.5°	412.6	411.5	410.4	410.9	410.4	411.5	412.6	412.9	414.5	417.7	420.9
30°	401.0	400.7	400.1	400.1	400.1	400.7	401.0	400.1	401.6	403.1	405.6
32.5°	391.4	391.3	391.7	391.7	391.7	391.3	391.4	390.0	390.5	391.1	392.3
35°	377.9	378.8	379.5	378.5	379.5	378.8	377.9	376.7	375.7	373.6	374.1
37.5°	365.7	366.6	367.5	368.5	367.5	366.6	365.7	363.1	360.9	359.0	356.8
40°	356.3	358.5	359.1	360.6	359.1	358.5	356.3	353.6	351.1	348.9	346.4
42.5°	347.5	349.8	351.4	351.7	351.4	349.8	347.5	344.7	341.0	338.3	334.9
45°	333.8	336.3	338.4	338.4	338.4	336.3	333.8	329.2	325.2	321.2	317.7
47.5°	319.7	323.3	325.4	326.0	325.4	323.3	319.7	315.0	309.3	304.4	299.5
50°	310.1	314.4	316.6	318.1	316.6	314.4	310.1	304.8	299.0	292.8	286.9
52.5°	300.7	305.0	307.9	308.7	307.9	305.0	300.7	294.2	287.2	280.5	275.4
55°	284.5	290.7	294.1	295.2	294.1	290.7	284.5	277.4	270.6	262.3	254.9
57.5°	269.2	274.9	278.8	279.7	278.8	274.9	269.2	260.9	252.2	243.3	235.4
60°	257.4	263.6	268.5	269.4	268.5	263.6	257.4	249.1	239.8	231.2	221.3
62.5°	245.3	251.7	256.1	258.6	256.1	251.7	245.3	236.5	226.5	216.9	207.0
65°	224.4	230.8	235.2	236.1	235.2	230.8	224.4	215.8	205.3	195.1	186.8
67.5°	201.6	208.0	210.9	212.7	210.9	208.0	201.6	193.5	183.1	172.5	163.1
70°	185.5	190.8	193.8	195.4	193.8	190.8	185.5	176.9	168.3	157.5	147.3
72.5°	167.3	172.8	176.3	176.7	176.3	172.8	167.3	159.9	150.8	140.8	131.8
75°	139.3	144.3	146.1	146.1	146.1	144.3	139.3	132.2	124.8	116.8	107.9
77.5°	110.3	112.8	115.2	115.7	115.2	112.8	110.3	105.2	99.1	91.0	84.4
80°	91.6	93.1	94.9	94.9	94.9	93.1	91.6	86.9	81.0	74.3	69.1
82.5°	72.3	73.6	75.4	75.2	75.4	73.6	72.3	68.7	63.8	59.3	54.5
85°	43.7	46.6	46.3	45.6	46.3	46.6	43.7	44.4	39.8	36.7	32.4
87.5°	21.8	22.1	22.8	23.4	22.8	22.1	21.8	21.0	18.7	17.4	16.3
90°	10.3	10.5	10.6	10.8	10.6	10.5	10.3	10.1	9.8	9.3	8.9
92.5°	15.7	15.8	15.8	15.9	15.8	15.8	15.7	15.5	15.4	15.1	14.8
95°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.2	28.0	27.7
97.5°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.3	44.0	43.7
100°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.5	55.4	55.2
102.5°	68.0	68.1	68.2	68.3	68.2	68.1	68.0	68.0	67.9	67.7	67.4
105°	86.9	87.1	87.4	87.6	87.4	87.1	86.9	86.7	86.4	86.2	86.0
107.5°	106.5	106.5	106.4	106.4	106.4	106.5	106.5	106.5	106.4	106.2	105.9
110°	119.1	119.4	119.6	119.9	119.6	119.4	119.1	118.9	118.9	119.1	119.2



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.5	133.5	133.5	133.6
115°	155.3	155.3	155.2	155.1	155.2	155.3	155.3	155.4	155.5	155.6	155.7
117.5°	175.9	175.8	175.6	175.5	175.6	175.8	175.9	176.1	176.3	176.6	176.9
120°	190.5	190.7	190.8	191.0	190.8	190.7	190.5	190.4	190.4	190.8	191.2
122.5°	204.8	204.5	204.1	203.9	204.1	204.5	204.8	205.0	205.3	205.6	205.9
125°	226.6	226.5	226.3	226.2	226.3	226.5	226.6	226.8	227.0	227.1	227.3
127.5°	247.2	247.0	246.9	246.8	246.9	247.0	247.2	247.2	247.4	247.6	247.7
130°	261.2	260.9	260.5	260.2	260.5	260.9	261.2	261.5	261.7	261.9	262.1
132.5°	275.0	274.9	274.7	274.6	274.7	274.9	275.0	275.1	275.3	275.4	275.6
135°	295.1	294.9	294.6	294.4	294.6	294.9	295.1	295.3	295.5	295.6	295.8
137.5°	315.0	315.0	315.1	315.1	315.1	315.0	315.0	314.9	315.0	315.2	315.4
140°	328.0	327.9	327.8	327.7	327.8	327.9	328.0	328.0	328.1	328.2	328.3
142.5°	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.5	340.5	340.5
145°	358.2	358.0	357.7	357.5	357.7	358.0	358.2	358.5	358.6	358.7	358.8
147.5°	375.2	375.1	375.0	374.9	375.0	375.1	375.2	375.3	375.3	375.3	375.4
150°	385.8	385.7	385.6	385.6	385.6	385.7	385.8	385.9	385.9	385.9	385.9
152.5°	395.9	395.7	395.5	395.3	395.5	395.7	395.9	396.1	396.2	395.9	395.8
155°	409.8	409.5	409.2	408.8	409.2	409.5	409.8	410.1	410.1	409.8	409.5
157.5°	421.8	421.5	421.3	421.0	421.3	421.5	421.8	422.1	422.1	421.8	421.6
160°	429.1	428.7	428.3	427.9	428.3	428.7	429.1	429.5	429.6	429.4	429.1
162.5°	436.3	435.9	435.5	435.1	435.5	435.9	436.3	436.7	436.7	436.3	435.8
165°	445.4	445.0	444.7	444.4	444.7	445.0	445.4	445.7	445.6	445.1	444.7
167.5°	452.6	452.1	451.5	451.1	451.5	452.1	452.6	453.0	453.0	452.6	452.1
170°	456.5	455.9	455.3	454.8	455.3	455.9	456.5	457.0	457.1	456.6	456.1
172.5°	459.6	459.1	458.5	458.0	458.5	459.1	459.6	460.2	460.2	459.7	459.1
175°	463.0	462.4	461.8	461.3	461.8	462.4	463.0	463.5	463.5	463.0	462.4
177.5°	464.5	464.1	463.5	463.0	463.5	464.1	464.5	465.0	465.1	464.6	464.2
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	711.2	712.3	716.2	719.9	724.3	727.5	729.8	732.2	737.4	741.6	745.5
5°	666.4	667.9	676.0	681.5	691.0	699.3	705.8	712.9	721.3	732.6	743.1
7.5°	626.9	632.6	641.4	650.4	660.1	671.0	680.5	691.2	705.5	721.2	737.4
10°	604.4	610.9	620.1	630.7	639.8	652.5	664.2	676.8	693.2	712.3	731.4
12.5°	582.0	592.6	599.7	612.1	622.1	632.6	645.0	661.6	680.6	700.7	723.7
15°	553.9	559.8	573.3	580.1	594.2	610.3	622.6	639.3	657.7	684.3	710.1
17.5°	521.4	529.2	540.0	552.9	569.2	581.7	597.1	614.2	637.5	663.8	696.2
20°	500.3	506.8	520.0	534.2	551.4	564.7	581.0	597.6	621.7	649.7	683.7
22.5°	481.3	487.5	501.5	514.7	531.5	547.6	564.7	584.1	607.1	636.7	671.3
25°	451.9	460.2	472.5	486.1	502.1	520.6	539.1	556.3	581.0	612.1	649.1
27.5°	425.8	432.5	441.4	456.8	475.0	492.8	511.2	532.9	556.6	589.5	627.9
30°	409.0	415.2	424.1	438.3	455.3	474.4	493.5	514.4	539.1	571.7	610.9
32.5°	395.7	400.4	408.4	421.0	436.5	456.6	475.5	497.2	523.1	555.2	593.4
35°	376.0	380.0	383.1	395.1	409.0	427.5	446.6	469.8	494.7	525.2	563.4
37.5°	356.7	358.1	362.6	370.5	383.9	400.9	418.7	441.4	467.0	498.0	532.5
40°	344.9	345.5	348.3	355.7	367.4	383.4	400.7	423.2	447.5	476.8	511.0
42.5°	333.4	333.0	335.5	340.6	351.6	366.1	383.2	403.7	428.1	455.1	487.4
45°	315.0	315.0	314.4	318.7	327.6	341.8	356.0	375.7	396.1	422.6	449.7
47.5°	295.9	294.1	294.7	296.9	304.4	316.1	330.4	346.6	364.5	387.0	410.7
50°	283.6	281.1	280.2	282.7	289.4	299.6	313.1	327.3	344.3	364.0	384.4
52.5°	270.0	267.5	265.9	267.6	273.9	283.3	295.6	308.1	323.3	339.4	357.0
55°	249.1	246.3	245.3	246.0	250.6	258.0	268.5	279.9	291.3	304.5	316.9
57.5°	228.4	223.9	223.0	222.7	225.9	232.7	241.4	251.3	259.6	267.6	280.7
60°	214.8	209.3	207.5	207.2	209.6	215.2	223.2	233.0	238.8	244.4	255.8
62.5°	200.3	195.0	190.9	191.3	193.5	198.8	205.9	213.0	216.9	223.0	230.7
65°	177.8	171.0	167.9	167.1	168.3	172.6	178.2	182.8	187.1	189.6	196.9
67.5°	155.4	149.7	145.2	144.1	143.5	146.5	151.0	153.8	156.9	159.1	163.4
70°	139.7	134.7	129.1	127.3	127.0	129.4	133.8	134.1	138.4	139.3	143.9
72.5°	124.1	118.0	114.1	112.3	111.0	113.2	116.1	116.8	119.1	120.8	123.3
75°	99.9	95.2	91.6	88.8	87.9	89.0	89.0	90.6	92.1	93.1	95.9
77.5°	78.6	73.3	68.9	67.3	66.2	65.4	66.1	67.0	66.3	67.9	68.5
80°	63.8	58.2	54.9	54.3	52.4	50.9	50.5	51.5	50.2	50.9	52.7
82.5°	49.3	45.7	42.1	41.4	39.1	38.3	37.9	37.4	37.4	37.3	37.6
85°	29.3	27.1	24.6	23.1	22.2	20.7	20.7	20.0	19.4	18.8	19.1
87.5°	13.5	12.9	11.6	10.7	10.1	9.0	8.8	7.9	7.4	7.1	6.7
90°	8.4	7.9	7.3	6.7	6.0	5.3	4.6	3.7	2.9	2.0	1.1
92.5°	14.5	14.2	13.8	13.3	12.9	12.4	11.7	10.7	9.7	8.7	7.7
95°	27.5	27.3	26.7	26.1	25.6	25.0	24.4	23.7	23.0	22.3	21.5
97.5°	43.4	43.2	42.5	41.8	41.2	40.6	39.9	39.4	38.7	38.2	37.6
100°	55.1	54.9	54.2	53.5	52.8	52.0	51.6	51.2	50.9	50.5	50.2
102.5°	67.2	67.0	66.3	65.7	65.0	64.4	64.0	63.8	63.7	63.6	63.5
105°	85.6	85.4	85.1	84.8	84.4	84.1	84.0	83.9	83.8	83.7	83.7
107.5°	105.7	105.4	105.4	105.4	105.4	105.3	105.2	105.1	105.0	104.9	104.8
110°	119.4	119.5	119.6	119.7	119.8	119.9	119.8	119.6	119.5	119.3	119.1



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	133.6	133.6	133.7	133.9	134.0	134.2	134.3	134.2	134.2	134.1	134.1
115°	155.7	155.8	156.0	156.1	156.3	156.5	156.5	156.5	156.5	156.5	156.5
117.5°	177.1	177.4	177.5	177.6	177.8	177.8	177.8	177.8	177.8	177.7	177.6
120°	191.6	192.0	192.3	192.5	192.7	193.0	193.0	192.7	192.3	192.0	191.7
122.5°	206.1	206.4	206.5	206.6	206.8	206.8	206.8	206.7	206.6	206.4	206.4
125°	227.4	227.6	227.7	227.8	227.8	227.9	227.9	227.9	227.9	227.9	227.9
127.5°	247.9	248.0	248.2	248.3	248.4	248.6	248.5	248.3	248.0	247.8	247.6
130°	262.2	262.4	262.4	262.4	262.4	262.4	262.3	262.1	261.8	261.6	261.3
132.5°	275.8	275.9	276.0	276.0	276.1	276.2	276.1	275.9	275.8	275.6	275.4
135°	296.0	296.1	296.1	296.1	296.1	296.1	295.9	295.4	294.9	294.5	294.0
137.5°	315.6	315.8	315.7	315.6	315.4	315.3	315.1	314.9	314.7	314.5	314.3
140°	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.2	328.0	327.9	327.7
142.5°	340.5	340.5	340.6	340.6	340.7	340.8	340.7	340.6	340.4	340.2	340.1
145°	358.9	358.9	358.9	358.8	358.7	358.6	358.5	358.1	357.8	357.5	357.2
147.5°	375.5	375.6	375.7	375.7	375.7	375.8	375.7	375.3	374.9	374.5	374.1
150°	385.9	385.9	385.9	385.9	385.9	385.9	385.7	385.4	385.1	384.8	384.4
152.5°	395.5	395.4	395.3	395.2	395.1	395.1	395.0	394.8	394.6	394.4	394.2
155°	409.2	408.8	408.9	409.0	409.1	409.2	409.2	409.2	409.2	409.2	409.2
157.5°	421.4	421.1	421.1	421.2	421.2	421.2	421.3	421.4	421.6	421.7	421.8
160°	428.9	428.6	428.7	428.8	428.9	429.0	429.0	429.1	429.2	429.3	429.4
162.5°	435.4	434.9	435.0	435.1	435.1	435.2	435.4	435.6	435.8	436.0	436.3
165°	444.2	443.7	443.9	444.0	444.2	444.3	444.5	444.7	445.0	445.2	445.4
167.5°	451.6	451.1	451.1	451.1	451.1	451.1	451.2	451.6	451.9	452.3	452.6
170°	455.7	455.2	455.1	455.0	455.0	454.9	455.0	455.4	455.8	456.2	456.6
172.5°	458.6	458.0	458.0	458.0	458.0	458.0	458.1	458.5	458.8	459.1	459.5
175°	461.8	461.3	461.4	461.4	461.5	461.6	461.8	462.2	462.6	463.0	463.4
177.5°	463.7	463.3	463.3	463.3	463.3	463.3	463.4	463.7	464.1	464.4	464.7
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	749.0	751.5	754.6	760.1	762.1	764.5	767.9	767.7	768.7	772.4	780.3
5°	751.8	761.3	770.6	781.6	793.4	801.1	811.6	818.0	824.5	832.8	847.0
7.5°	752.9	768.0	785.0	804.5	821.8	841.8	857.4	872.0	885.3	902.9	919.7
10°	751.1	771.5	793.4	818.0	844.2	866.4	886.5	909.3	928.7	949.9	969.1
12.5°	747.9	772.5	801.8	829.3	860.0	892.8	917.7	940.8	966.6	991.1	1020.6
15°	740.7	774.3	808.5	844.9	885.8	923.8	959.8	989.7	1017.5	1054.2	1092.7
17.5°	731.4	767.6	810.8	854.8	897.7	941.0	985.6	1030.5	1065.6	1111.1	1141.3
20°	722.8	764.7	809.1	861.5	904.4	958.3	1002.7	1046.1	1094.2	1139.5	1175.6
22.5°	710.7	756.5	803.7	855.8	912.2	966.1	1017.5	1064.6	1112.7	1162.0	1205.6
25°	695.4	737.0	792.7	851.9	908.0	966.6	1025.5	1084.7	1136.4	1188.5	1229.2
27.5°	669.2	721.8	773.7	834.8	897.1	963.4	1026.4	1088.3	1142.5	1185.3	1210.6
30°	655.9	701.5	758.0	819.3	886.8	958.0	1023.6	1084.3	1134.9	1169.1	1179.2
32.5°	636.2	683.3	738.5	802.0	873.5	946.6	1014.9	1072.2	1114.4	1132.3	1120.1
35°	606.9	649.4	705.2	770.2	844.5	922.5	990.0	1038.4	1060.0	1043.1	1000.8
37.5°	571.7	613.9	669.9	733.8	810.7	889.9	951.0	985.8	978.7	936.5	873.5
40°	547.1	586.5	639.8	708.9	783.8	863.3	917.0	935.8	916.1	855.6	788.8
42.5°	519.8	558.2	611.7	678.3	757.6	831.0	877.7	879.3	846.3	774.0	706.9
45°	478.1	514.8	565.3	634.6	708.0	777.1	807.9	792.7	731.7	662.0	594.5
47.5°	437.0	468.7	518.6	584.4	654.0	712.2	727.5	700.3	635.3	567.6	505.0
50°	406.9	438.9	485.8	548.7	615.8	666.1	673.4	637.4	573.6	505.5	456.5
52.5°	378.0	409.8	455.0	513.1	574.6	620.0	620.2	578.5	514.9	454.2	408.6
55°	335.6	364.3	405.0	457.1	512.0	547.4	538.8	495.6	440.5	387.8	348.0
57.5°	294.9	319.8	357.3	400.8	449.1	478.3	464.0	422.5	373.2	328.5	298.3
60°	268.5	292.2	324.2	365.3	405.9	428.7	415.2	377.6	332.2	296.2	270.0
62.5°	242.8	262.8	293.7	329.2	366.9	383.9	371.8	334.7	295.6	262.9	241.6
65°	206.5	222.8	247.5	278.1	305.5	320.0	309.7	275.2	245.3	221.9	204.9
67.5°	172.6	185.4	204.1	228.5	251.8	259.7	250.4	226.3	201.1	182.3	170.3
70°	149.2	161.2	176.9	195.7	216.0	224.4	215.2	196.1	175.4	158.1	146.4
72.5°	128.7	138.0	151.3	167.4	183.2	191.6	185.3	166.9	149.5	136.7	126.7
75°	98.0	106.0	115.3	126.7	139.0	144.6	139.0	126.4	114.3	104.8	97.7
77.5°	71.3	75.6	82.7	91.3	98.9	103.2	98.4	89.8	82.5	76.0	72.4
80°	54.3	57.4	62.3	69.1	74.3	78.3	75.2	68.1	62.3	57.9	56.4
82.5°	39.5	41.5	44.8	49.8	53.3	55.4	54.0	48.9	46.5	42.6	41.1
85°	19.4	20.7	22.8	24.3	27.4	27.7	28.0	25.9	23.8	22.8	21.5
87.5°	7.1	7.4	8.4	9.3	10.5	10.8	10.7	10.9	10.0	9.8	9.0
90°	2.0	2.9	3.7	4.6	5.3	6.0	6.7	7.3	7.9	8.4	8.9
92.5°	8.7	9.7	10.7	11.7	12.4	12.9	13.3	13.8	14.2	14.5	14.8
95°	22.3	23.0	23.7	24.4	25.0	25.6	26.1	26.7	27.3	27.5	27.7
97.5°	38.2	38.7	39.4	39.9	40.6	41.2	41.8	42.5	43.2	43.4	43.7
100°	50.5	50.9	51.2	51.6	52.0	52.8	53.5	54.2	54.9	55.1	55.2
102.5°	63.6	63.7	63.8	64.0	64.4	65.0	65.7	66.3	67.0	67.2	67.4
105°	83.7	83.8	83.9	84.0	84.1	84.4	84.8	85.1	85.4	85.6	86.0
107.5°	104.9	105.0	105.1	105.2	105.3	105.4	105.4	105.4	105.4	105.7	105.9
110°	119.3	119.5	119.6	119.8	119.9	119.8	119.7	119.6	119.5	119.4	119.2



TEST NUMBER: P332746-927

CATALOG NUMBER: S124DIW-S575D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	134.1	134.2	134.2	134.3	134.2	134.0	133.9	133.7	133.6	133.6	133.6
115°	156.5	156.5	156.5	156.5	156.5	156.3	156.1	156.0	155.8	155.7	155.7
117.5°	177.7	177.8	177.8	177.8	177.8	177.8	177.6	177.5	177.4	177.1	176.9
120°	192.0	192.3	192.7	193.0	193.0	192.7	192.5	192.3	192.0	191.6	191.2
122.5°	206.4	206.6	206.7	206.8	206.8	206.8	206.6	206.5	206.4	206.1	205.9
125°	227.9	227.9	227.9	227.9	227.9	227.8	227.8	227.7	227.6	227.4	227.3
127.5°	247.8	248.0	248.3	248.5	248.6	248.4	248.3	248.2	248.0	247.9	247.7
130°	261.6	261.8	262.1	262.3	262.4	262.4	262.4	262.4	262.4	262.2	262.1
132.5°	275.6	275.8	275.9	276.1	276.2	276.1	276.0	276.0	275.9	275.8	275.6
135°	294.5	294.9	295.4	295.9	296.1	296.1	296.1	296.1	296.1	296.0	295.8
137.5°	314.5	314.7	314.9	315.1	315.3	315.4	315.6	315.7	315.8	315.6	315.4
140°	327.9	328.0	328.2	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.3
142.5°	340.2	340.4	340.6	340.7	340.8	340.7	340.6	340.6	340.5	340.5	340.5
145°	357.5	357.8	358.1	358.5	358.6	358.7	358.8	358.9	358.9	358.9	358.8
147.5°	374.5	374.9	375.3	375.7	375.8	375.7	375.7	375.7	375.6	375.5	375.4
150°	384.8	385.1	385.4	385.7	385.9	385.9	385.9	385.9	385.9	385.9	385.9
152.5°	394.4	394.6	394.8	395.0	395.1	395.1	395.2	395.3	395.4	395.5	395.8
155°	409.2	409.2	409.2	409.2	409.2	409.1	409.0	408.9	408.8	409.2	409.5
157.5°	421.7	421.6	421.4	421.3	421.2	421.2	421.2	421.1	421.1	421.4	421.6
160°	429.3	429.2	429.1	429.0	429.0	428.9	428.8	428.7	428.6	428.9	429.1
162.5°	436.0	435.8	435.6	435.4	435.2	435.1	435.1	435.0	434.9	435.4	435.8
165°	445.2	445.0	444.7	444.5	444.3	444.2	444.0	443.9	443.7	444.2	444.7
167.5°	452.3	451.9	451.6	451.2	451.1	451.1	451.1	451.1	451.1	451.6	452.1
170°	456.2	455.8	455.4	455.0	454.9	455.0	455.0	455.1	455.2	455.7	456.1
172.5°	459.1	458.8	458.5	458.1	458.0	458.0	458.0	458.0	458.0	458.6	459.1
175°	463.0	462.6	462.2	461.8	461.6	461.5	461.4	461.4	461.3	461.8	462.4
177.5°	464.4	464.1	463.7	463.4	463.3	463.3	463.3	463.3	463.3	463.7	464.2
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	784.3	784.7	787.0	788.7	789.2	791.6	791.9
5°	853.2	858.4	868.5	869.5	871.0	879.1	872.9
7.5°	933.9	947.2	956.1	963.9	966.8	970.3	969.6
10°	985.7	1005.4	1015.3	1031.0	1031.7	1035.6	1033.2
12.5°	1037.8	1060.7	1078.6	1081.6	1094.7	1096.8	1100.3
15°	1111.4	1135.8	1160.8	1169.7	1187.9	1192.2	1199.0
17.5°	1180.7	1205.6	1223.1	1246.3	1253.7	1263.7	1257.0
20°	1218.7	1245.9	1268.0	1286.2	1294.0	1299.5	1298.9
22.5°	1241.7	1269.0	1287.0	1300.8	1308.0	1310.3	1310.2
25°	1256.0	1271.8	1277.3	1282.5	1274.5	1271.8	1273.0
27.5°	1216.1	1212.0	1197.5	1178.5	1158.8	1143.1	1134.6
30°	1161.1	1137.0	1115.2	1077.0	1057.2	1045.5	1035.0
32.5°	1083.2	1045.0	1003.0	968.0	945.5	928.1	925.5
35°	949.7	892.3	840.8	798.0	775.8	757.0	752.7
37.5°	807.4	747.8	701.5	663.7	639.8	626.6	614.3
40°	712.9	661.8	616.2	584.1	565.9	556.3	548.7
42.5°	640.2	593.4	548.1	523.6	507.2	501.4	496.9
45°	539.7	496.2	464.8	446.3	436.7	426.9	422.2
47.5°	459.2	423.9	403.1	387.5	377.2	371.4	368.4
50°	413.6	384.7	366.1	354.2	344.9	340.2	337.8
52.5°	373.2	349.4	333.9	324.3	318.1	314.7	313.6
55°	321.5	303.3	293.4	285.1	280.5	277.4	276.2
57.5°	279.4	265.5	257.5	250.6	248.8	246.2	245.3
60°	251.8	241.1	234.2	229.7	228.1	225.0	225.6
62.5°	227.4	218.6	212.8	210.2	208.1	205.5	206.4
65°	192.3	185.8	182.8	180.3	177.8	176.3	177.5
67.5°	161.4	156.9	152.7	151.3	150.1	149.9	148.5
70°	141.2	137.4	133.8	132.8	132.8	131.6	131.3
72.5°	121.7	119.0	116.5	115.8	114.9	115.3	114.1
75°	94.0	91.8	90.9	90.0	89.7	89.7	88.8
77.5°	69.5	67.9	66.4	66.4	65.3	64.9	64.7
80°	52.7	52.1	50.9	50.9	50.2	50.5	49.9
82.5°	39.6	38.7	38.5	38.0	37.2	37.2	36.6
85°	21.2	20.4	20.0	19.1	18.5	19.1	18.5
87.5°	9.3	9.1	9.0	8.5	8.2	8.3	7.6
90°	9.3	9.8	10.1	10.3	10.5	10.6	10.8
92.5°	15.1	15.4	15.5	15.7	15.8	15.8	15.9
95°	28.0	28.2	28.4	28.4	28.4	28.4	28.4
97.5°	44.0	44.3	44.4	44.4	44.4	44.4	44.4
100°	55.4	55.5	55.6	55.6	55.6	55.6	55.6
102.5°	67.7	67.9	68.0	68.0	68.1	68.2	68.3
105°	86.2	86.4	86.7	86.9	87.1	87.4	87.6
107.5°	106.2	106.4	106.5	106.5	106.5	106.4	106.4
110°	119.1	118.9	118.9	119.1	119.4	119.6	119.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.5	133.5	133.5	133.6	133.6	133.6	133.6
115°	155.6	155.5	155.4	155.3	155.3	155.2	155.1
117.5°	176.6	176.3	176.1	175.9	175.8	175.6	175.5
120°	190.8	190.4	190.4	190.5	190.7	190.8	191.0
122.5°	205.6	205.3	205.0	204.8	204.5	204.1	203.9
125°	227.1	227.0	226.8	226.6	226.5	226.3	226.2
127.5°	247.6	247.4	247.2	247.2	247.0	246.9	246.8
130°	261.9	261.7	261.5	261.2	260.9	260.5	260.2
132.5°	275.4	275.3	275.1	275.0	274.9	274.7	274.6
135°	295.6	295.5	295.3	295.1	294.9	294.6	294.4
137.5°	315.2	315.0	314.9	315.0	315.0	315.1	315.1
140°	328.2	328.1	328.0	328.0	327.9	327.8	327.7
142.5°	340.5	340.5	340.4	340.4	340.4	340.4	340.4
145°	358.7	358.6	358.5	358.2	358.0	357.7	357.5
147.5°	375.3	375.3	375.3	375.2	375.1	375.0	374.9
150°	385.9	385.9	385.9	385.8	385.7	385.6	385.6
152.5°	395.9	396.2	396.1	395.9	395.7	395.5	395.3
155°	409.8	410.1	410.1	409.8	409.5	409.2	408.8
157.5°	421.8	422.1	422.1	421.8	421.5	421.3	421.0
160°	429.4	429.6	429.5	429.1	428.7	428.3	427.9
162.5°	436.3	436.7	436.7	436.3	435.9	435.5	435.1
165°	445.1	445.6	445.7	445.4	445.0	444.7	444.4
167.5°	452.6	453.0	453.0	452.6	452.1	451.5	451.1
170°	456.6	457.1	457.0	456.5	455.9	455.3	454.8
172.5°	459.7	460.2	460.2	459.6	459.1	458.5	458.0
175°	463.0	463.5	463.5	463.0	462.4	461.8	461.3
177.5°	464.6	465.1	465.0	464.5	464.1	463.5	463.0
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1

(END OF REPORT)