

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: P332757-940

Luminaire Tested: **S124DIW-S575D1050U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332757-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S575D1050U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6050.8 lumens
Efficiency: N/A
Efficacy: 133.9 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-Indirect

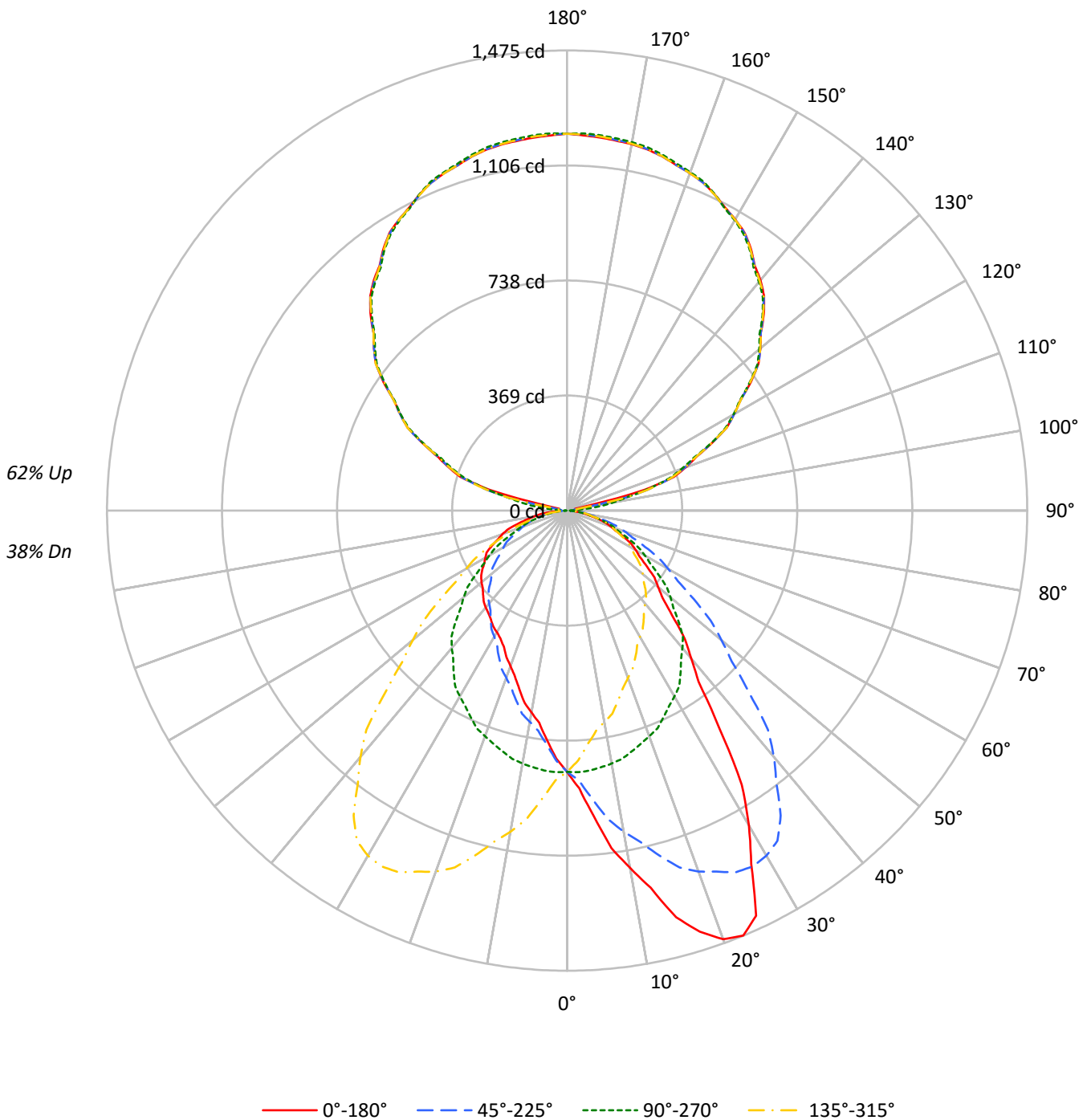
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	84	86	83	80	77	67	65	63	53	52	51	40	39	39	33
2	87	80	74	69	79	73	68	63	59	56	53	47	45	42	36	34	33	28
3	79	70	63	57	72	64	58	53	52	48	44	42	39	36	32	30	28	24
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	55	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	61	50	42	36	56	45	39	34	38	32	29	30	26	24	23	21	19	16
7	57	45	37	32	51	41	34	29	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	20	17	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	14	11
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6761	6761	6761	6761
5°	7963	6779	5983	6779
10°	9534	6749	5387	6749
15°	11280	6680	4947	6680
20°	12560	6611	4554	6611
25°	12764	6509	4284	6509
30°	10860	6411	4198	6411
35°	8349	6250	4199	6250
40°	6509	6062	4278	6062
45°	5426	5779	4349	5779
50°	4775	5434	4496	5434
55°	4376	5020	4677	5020
60°	4101	4648	4897	4648
65°	3817	4235	5075	4235
70°	3489	3824	5193	3824
75°	3119	3366	5128	3366
80°	2613	2757	4965	2757
85°	1927	1991	4761	1991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.3
10°-20°	251.5	4.2
20°-30°	398.8	6.6
30°-40°	443.8	7.3
40°-50°	404.0	6.7
50°-60°	330.1	5.5
60°-70°	235.7	3.9
70°-80°	129.8	2.1
80°-90°	38.9	0.6
90°-100°	41.3	0.7
100°-110°	263.4	4.4
110°-120°	503.9	8.3
120°-130°	639.7	10.6
130°-140°	684.4	11.3
140°-150°	640.0	10.6
150°-160°	516.1	8.5
160°-170°	332.9	5.5
170°-180°	114.7	1.9
0°-30°	731.9	12.1
0°-40°	1175.7	19.4
0°-60°	1909.9	31.6
0°-90°	2314.3	38.2
90°-120°	808.6	13.4
90°-150°	2772.8	45.8
90°-180°	3737.0	61.8
0°-180°	6050.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	838	838	838	838	838	
5°	983	836	738	836	983	100
15°	1350	799	592	799	1350	381
25°	1433	731	481	731	1433	632
35°	847	634	426	634	847	538
45°	475	506	381	506	475	374
55°	311	357	332	357	311	281
65°	200	222	266	222	200	198
75°	100	108	164	108	100	106
85°	21	22	51	22	21	26
90°	27	3	27	3	27	12
95°	26	50	26	50	26	21
105°	258	272	258	272	258	225
115°	511	508	511	508	511	506
125°	719	714	719	714	719	640
135°	892	885	892	885	892	686
145°	1026	1021	1026	1021	1026	641
155°	1118	1119	1118	1119	1118	516
165°	1175	1181	1175	1181	1175	332
175°	1201	1208	1201	1208	1201	114
180°	1208	1208	1208	1208	1208	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	891.4	891.1	888.3	887.8	885.8	883.3	882.8	878.3	869.4	865.3	864.2
5°	982.6	989.5	980.4	978.7	977.7	966.3	960.4	953.4	937.5	928.1	920.8
7.5°	1091.4	1092.2	1088.2	1085.0	1076.2	1066.2	1051.2	1035.3	1016.3	996.5	981.6
10°	1163.0	1165.7	1161.3	1160.6	1142.8	1131.8	1109.6	1090.8	1069.3	1045.4	1023.5
12.5°	1238.5	1234.6	1232.3	1217.5	1214.2	1193.9	1168.1	1148.8	1115.6	1088.1	1059.0
15°	1349.6	1342.0	1337.1	1316.7	1306.6	1278.5	1251.1	1229.9	1186.6	1145.3	1114.0
17.5°	1414.9	1422.5	1411.2	1402.8	1376.8	1357.1	1329.1	1284.7	1250.7	1199.4	1160.0
20°	1462.0	1462.8	1456.5	1447.8	1427.4	1402.4	1371.8	1323.3	1282.6	1231.6	1177.5
22.5°	1474.8	1475.0	1472.3	1464.2	1448.7	1428.4	1397.7	1357.1	1308.0	1252.5	1198.4
25°	1432.9	1431.6	1434.7	1443.7	1437.8	1431.6	1413.8	1383.7	1337.8	1279.2	1220.9
27.5°	1277.2	1286.7	1304.4	1326.6	1348.0	1364.2	1368.9	1362.7	1334.3	1286.0	1225.0
30°	1165.0	1176.9	1190.0	1212.3	1255.3	1279.9	1307.0	1327.4	1316.0	1277.5	1220.6
32.5°	1041.8	1044.7	1064.3	1089.6	1129.0	1176.3	1219.2	1260.8	1274.6	1254.5	1206.9
35°	847.2	852.1	873.3	898.2	946.5	1004.4	1069.0	1126.5	1174.1	1193.2	1168.9
37.5°	691.4	705.3	720.2	747.1	789.6	841.8	908.8	983.3	1054.2	1101.6	1109.6
40°	617.6	626.2	637.0	657.5	693.6	744.9	802.5	887.9	963.1	1031.2	1053.4
42.5°	559.3	564.4	571.0	589.4	617.0	668.0	720.6	795.7	871.3	952.6	989.8
45°	475.3	480.5	491.6	502.4	523.2	558.6	607.5	669.2	745.2	823.7	892.3
47.5°	414.6	418.0	424.6	436.1	453.8	477.2	516.9	568.5	638.9	715.1	788.3
50°	380.2	383.0	388.3	398.7	412.1	433.0	465.6	513.8	569.0	645.7	717.5
52.5°	353.0	354.2	358.0	365.1	375.9	393.3	420.1	459.9	511.3	579.6	651.1
55°	310.9	312.3	315.8	320.9	330.3	341.4	361.9	391.7	436.5	495.8	557.9
57.5°	276.2	277.1	280.1	282.0	289.8	298.8	314.5	335.8	369.8	420.1	475.5
60°	254.0	253.2	256.7	258.5	263.7	271.3	283.5	303.9	333.4	374.0	425.0
62.5°	232.3	231.3	234.3	236.6	239.5	246.0	256.0	272.0	296.0	332.7	376.7
65°	199.8	198.5	200.2	203.0	205.7	209.2	216.5	230.7	249.8	276.2	309.8
67.5°	167.2	168.7	169.0	170.3	171.9	176.6	181.6	191.7	205.2	226.3	254.8
70°	147.8	148.1	149.5	149.5	150.6	154.7	158.9	164.8	178.0	197.4	220.7
72.5°	128.4	129.8	129.3	130.4	131.2	133.9	137.0	142.6	153.8	168.3	187.9
75°	100.0	100.9	100.9	101.3	102.4	103.3	105.8	109.9	118.0	128.7	142.2
77.5°	72.9	73.0	73.5	74.7	74.7	76.4	78.2	81.5	85.5	92.8	101.1
80°	56.2	56.9	56.5	57.2	57.2	58.7	59.3	63.5	65.2	70.1	76.7
82.5°	41.2	41.9	41.8	42.8	43.3	43.6	44.6	46.3	48.0	52.3	55.0
85°	20.8	21.5	20.8	21.5	22.6	22.9	23.9	24.3	25.7	26.8	29.2
87.5°	11.5	12.3	12.2	12.4	12.8	13.0	13.0	12.5	13.4	13.4	14.2
90°	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3	21.0	19.9	18.3
92.5°	25.0	24.9	24.8	24.7	24.6	24.0	22.7	21.6	20.3	19.2	17.6
95°	26.2	26.0	25.8	25.6	25.4	24.7	23.5	22.3	21.0	19.9	19.7
97.5°	25.3	25.1	24.9	24.7	24.5	24.3	24.3	24.1	24.0	23.8	46.3
100°	25.3	25.1	24.9	24.7	24.5	26.1	29.5	32.9	36.4	39.8	67.5
102.5°	26.0	25.9	25.9	25.9	25.9	44.2	81.1	117.9	154.7	191.5	195.1
105°	257.5	264.7	272.0	279.2	286.4	289.1	287.3	285.5	283.7	281.9	280.9
107.5°	358.8	358.1	357.3	356.6	355.8	355.0	354.1	353.2	352.3	351.4	350.1
110°	403.0	402.3	401.7	401.2	400.6	400.0	399.7	399.2	398.9	398.4	397.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	447.0	446.3	445.5	444.8	444.0	443.6	443.7	443.8	443.9	444.0	443.4
115°	511.4	511.4	511.4	511.4	511.4	511.1	510.8	510.3	510.0	509.5	509.8
117.5°	576.8	576.8	576.9	577.0	577.1	577.2	577.3	577.3	577.4	577.5	577.0
120°	618.0	618.4	618.8	619.2	619.6	619.6	619.2	618.8	618.4	618.0	618.1
122.5°	658.4	658.9	659.2	659.7	660.0	660.1	659.9	659.7	659.4	659.2	658.9
125°	719.2	719.0	718.7	718.5	718.4	717.9	717.4	716.8	716.1	715.5	716.0
127.5°	772.5	772.6	772.8	772.9	773.1	773.2	773.4	773.5	773.6	773.7	772.8
130°	808.6	808.6	808.6	808.6	808.6	808.5	808.3	808.1	807.9	807.7	807.1
132.5°	841.9	842.0	842.1	842.3	842.5	842.5	842.3	842.0	841.9	841.7	840.9
135°	891.7	891.4	890.9	890.6	890.1	889.7	889.3	888.9	888.5	888.1	887.3
137.5°	934.3	934.5	934.6	934.7	934.9	934.7	934.2	933.8	933.4	932.9	932.0
140°	964.0	963.8	963.6	963.4	963.2	962.8	962.2	961.6	961.0	960.4	960.0
142.5°	988.6	988.6	988.5	988.5	988.4	988.2	987.7	987.3	986.9	986.4	986.1
145°	1026.4	1025.9	1025.6	1025.1	1024.8	1024.4	1024.2	1024.0	1023.9	1023.6	1023.6
147.5°	1057.6	1057.4	1057.2	1057.0	1056.8	1056.6	1056.4	1056.3	1056.1	1056.0	1056.1
150°	1077.8	1077.6	1077.5	1077.2	1077.0	1076.9	1076.9	1076.9	1076.9	1076.9	1077.1
152.5°	1095.2	1095.3	1095.4	1095.6	1095.6	1095.6	1095.2	1094.9	1094.6	1094.3	1094.7
155°	1118.5	1119.1	1119.7	1120.3	1120.9	1120.8	1120.0	1119.2	1118.4	1117.6	1118.2
157.5°	1138.0	1139.1	1140.1	1141.1	1142.2	1142.2	1141.1	1140.1	1139.1	1138.0	1138.7
160°	1151.0	1152.2	1153.4	1154.6	1155.8	1155.8	1154.6	1153.4	1152.2	1151.0	1151.2
162.5°	1161.1	1162.5	1163.9	1165.2	1166.6	1166.6	1165.5	1164.2	1163.1	1161.8	1162.1
165°	1175.4	1177.2	1179.0	1180.8	1182.6	1182.8	1181.2	1179.6	1177.9	1176.3	1176.3
167.5°	1186.1	1188.1	1190.1	1192.1	1194.1	1194.2	1192.5	1190.7	1188.9	1187.1	1187.3
170°	1192.6	1194.5	1196.6	1198.5	1200.6	1200.8	1199.2	1197.6	1196.0	1194.4	1194.2
172.5°	1196.1	1198.4	1200.5	1202.7	1204.9	1205.1	1203.5	1201.9	1200.3	1198.7	1198.5
175°	1200.7	1203.1	1205.5	1207.9	1210.3	1210.7	1208.8	1207.0	1205.2	1203.5	1203.2
177.5°	1203.6	1205.5	1207.5	1209.3	1211.3	1211.7	1210.3	1209.1	1207.7	1206.5	1206.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	864.4	860.6	857.8	855.6	849.4	845.9	843.1	839.2	834.7	830.0	824.2
5°	913.6	901.7	893.0	879.9	867.4	856.9	846.2	836.5	824.7	811.9	802.5
7.5°	965.1	947.5	925.1	905.5	883.6	864.5	847.5	830.0	811.8	794.2	778.0
10°	997.8	975.3	950.3	920.8	893.0	868.4	845.5	823.3	801.8	780.2	761.9
12.5°	1033.0	1005.0	968.0	933.5	902.5	869.5	841.9	814.7	788.7	766.2	744.7
15°	1080.4	1039.8	997.1	951.0	910.1	871.6	833.7	799.3	770.3	740.4	719.6
17.5°	1109.5	1059.3	1010.5	962.2	912.7	864.1	823.3	783.7	747.2	717.6	691.3
20°	1128.6	1078.7	1018.0	969.7	910.7	860.8	813.6	769.5	731.4	699.8	672.7
22.5°	1145.3	1087.5	1026.8	963.3	904.6	851.6	800.0	755.6	716.7	683.4	657.5
25°	1154.3	1088.1	1022.1	958.9	892.3	829.6	782.7	730.7	689.0	654.0	626.2
27.5°	1155.3	1084.4	1009.9	939.7	870.9	812.4	753.3	706.8	663.6	626.5	599.9
30°	1152.2	1078.3	998.2	922.2	853.2	789.6	738.3	687.7	643.5	606.8	579.1
32.5°	1142.5	1065.5	983.2	902.8	831.3	769.1	716.1	668.0	625.0	588.8	559.6
35°	1114.4	1038.4	950.7	867.0	793.8	731.0	683.1	634.2	591.2	556.9	528.8
37.5°	1070.5	1001.7	912.6	826.0	754.1	691.1	643.5	599.4	560.6	525.7	496.9
40°	1032.2	971.8	882.3	798.0	720.2	660.2	615.8	575.2	536.7	503.7	476.4
42.5°	988.0	935.4	852.8	763.6	688.6	628.3	585.1	548.6	512.3	481.9	454.4
45°	909.4	874.7	796.9	714.3	636.3	579.4	538.1	506.2	475.6	445.9	422.9
47.5°	818.9	801.6	736.2	657.8	583.7	527.6	491.9	462.4	435.6	410.3	390.1
50°	758.0	749.8	693.2	617.6	546.8	494.1	458.0	432.7	409.7	387.5	368.5
52.5°	698.1	697.9	646.8	577.6	512.1	461.3	425.5	401.8	382.0	363.9	346.8
55°	606.5	616.2	576.3	514.5	455.9	410.1	377.8	356.7	342.8	327.9	315.0
57.5°	522.3	538.4	505.5	451.1	402.2	360.0	331.9	316.0	301.2	292.2	282.9
60°	467.3	482.6	456.9	411.2	365.0	328.9	302.2	287.9	275.1	268.9	262.3
62.5°	418.5	432.1	413.0	370.6	330.6	295.9	273.3	259.7	251.0	244.2	239.8
65°	348.7	360.2	343.8	313.0	278.6	250.8	232.5	221.7	213.4	210.6	205.7
67.5°	281.9	292.3	283.5	257.3	229.7	208.7	194.3	184.0	179.1	176.6	173.2
70°	242.2	252.6	243.2	220.3	199.1	181.5	167.9	162.0	156.9	155.8	151.0
72.5°	208.6	215.7	206.3	188.4	170.3	155.3	144.9	138.8	136.0	134.1	131.5
75°	156.5	162.7	156.5	142.6	129.7	119.3	110.3	107.9	104.8	103.7	102.0
77.5°	110.8	116.2	111.4	102.7	93.1	85.1	80.3	77.1	76.4	74.6	75.4
80°	84.6	88.1	83.6	77.8	70.1	64.6	61.1	59.3	57.2	56.5	58.0
82.5°	60.8	62.3	60.0	56.1	50.4	46.7	44.4	42.4	42.0	42.1	42.1
85°	31.6	31.2	30.9	27.4	25.7	23.3	21.8	21.5	21.1	21.8	22.6
87.5°	13.9	13.8	13.2	11.8	10.4	9.2	8.5	7.8	8.5	9.2	9.9
90°	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7	4.9	7.1	9.4
92.5°	16.0	14.4	12.8	11.9	11.8	11.6	11.5	11.4	11.5	11.6	11.8
95°	19.4	19.3	19.1	22.4	29.2	36.0	42.9	49.7	42.9	36.0	29.2
97.5°	68.7	91.0	113.5	122.5	118.3	114.0	109.8	105.5	109.8	114.0	118.3
100°	95.1	122.9	150.6	162.6	159.0	155.4	151.8	148.2	151.8	155.4	159.0
102.5°	198.8	202.4	206.0	206.4	203.8	201.2	198.5	195.9	198.5	201.2	203.8
105°	279.9	278.8	277.9	276.8	275.5	274.4	273.1	272.0	273.1	274.4	275.5
107.5°	348.7	347.3	346.0	345.0	344.4	343.8	343.2	342.6	343.2	343.8	344.4
110°	396.0	394.8	393.6	392.7	392.1	391.5	390.9	390.3	390.9	391.5	392.1



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	442.8	442.3	441.8	440.9	439.8	438.7	437.7	436.6	437.7	438.7	439.8
115°	510.0	510.1	510.3	510.1	509.5	509.0	508.4	507.7	508.4	509.0	509.5
117.5°	576.6	576.1	575.7	575.1	574.3	573.5	572.7	571.9	572.7	573.5	574.3
120°	618.4	618.6	618.8	618.5	617.7	616.9	616.1	615.3	616.1	616.9	617.7
122.5°	658.6	658.4	658.1	657.6	657.2	656.7	656.2	655.8	656.2	656.7	657.2
125°	716.3	716.8	717.1	716.9	716.1	715.3	714.5	713.7	714.5	715.3	716.1
127.5°	771.9	771.0	770.0	769.5	769.3	769.1	768.8	768.7	768.8	769.1	769.3
130°	806.5	805.9	805.3	804.9	804.7	804.5	804.3	804.1	804.3	804.5	804.7
132.5°	840.2	839.4	838.7	838.0	837.7	837.3	837.0	836.6	837.0	837.3	837.7
135°	886.5	885.7	884.9	884.6	884.8	885.0	885.2	885.4	885.2	885.0	884.8
137.5°	931.1	930.2	929.3	928.9	928.8	928.7	928.6	928.5	928.6	928.7	928.8
140°	959.6	959.2	958.8	958.4	958.0	957.6	957.2	956.8	957.2	957.6	958.0
142.5°	985.9	985.7	985.4	985.0	984.3	983.5	982.8	982.0	982.8	983.5	984.3
145°	1023.6	1023.6	1023.6	1023.3	1022.7	1022.1	1021.5	1020.9	1021.5	1022.1	1022.7
147.5°	1056.4	1056.6	1056.8	1056.3	1055.2	1054.1	1052.9	1051.8	1052.9	1054.1	1055.2
150°	1077.4	1077.5	1077.7	1077.5	1076.7	1075.8	1075.0	1074.2	1075.0	1075.8	1076.7
152.5°	1095.0	1095.4	1095.7	1095.6	1094.9	1094.3	1093.7	1093.0	1093.7	1094.3	1094.9
155°	1118.8	1119.4	1120.0	1120.2	1120.0	1119.8	1119.6	1119.4	1119.6	1119.8	1120.0
157.5°	1139.3	1140.1	1140.8	1141.1	1141.2	1141.4	1141.5	1141.7	1141.5	1141.4	1141.2
160°	1151.4	1151.6	1151.8	1152.2	1152.8	1153.4	1154.1	1154.6	1154.1	1153.4	1152.8
162.5°	1162.3	1162.4	1162.6	1163.1	1163.9	1164.7	1165.5	1166.2	1165.5	1164.7	1163.9
165°	1176.3	1176.3	1176.3	1176.8	1177.8	1178.8	1179.8	1180.8	1179.8	1178.8	1177.8
167.5°	1187.4	1187.5	1187.7	1188.2	1189.3	1190.3	1191.3	1192.4	1191.3	1190.3	1189.3
170°	1194.0	1193.7	1193.6	1194.1	1195.2	1196.5	1197.7	1198.9	1197.7	1196.5	1195.2
172.5°	1198.3	1198.1	1197.9	1198.4	1199.6	1200.8	1202.0	1203.2	1202.0	1200.8	1199.6
175°	1203.0	1202.8	1202.7	1203.1	1204.3	1205.5	1206.8	1207.9	1206.8	1205.5	1204.3
177.5°	1205.9	1205.5	1205.2	1205.6	1206.8	1207.8	1209.0	1210.1	1209.0	1207.8	1206.8
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	821.4	818.9	815.3	810.3	806.2	801.7	800.6	799.0	802.3	799.5	798.7
5°	794.5	787.2	777.8	767.1	760.9	751.8	750.1	746.6	743.2	742.8	739.3
7.5°	766.0	755.3	743.1	732.1	721.9	712.1	705.6	704.3	699.1	696.2	692.7
10°	747.7	734.5	720.2	709.9	698.0	687.7	680.4	676.2	672.7	668.9	665.5
12.5°	726.0	712.0	700.3	689.0	675.0	667.1	655.1	647.9	647.2	647.3	638.3
15°	700.8	687.0	668.9	653.0	645.3	630.1	623.5	615.1	609.9	604.8	600.6
17.5°	672.1	654.8	640.7	622.3	607.8	595.7	586.9	581.9	574.2	566.8	561.4
20°	654.0	635.6	620.7	601.3	585.3	570.4	563.1	556.2	550.3	544.0	538.1
22.5°	635.7	616.4	598.2	579.3	564.5	548.8	541.7	532.3	526.6	523.2	517.3
25°	606.8	586.0	565.2	547.2	531.9	518.0	508.6	501.3	495.1	492.3	488.5
27.5°	575.4	554.7	534.7	514.2	496.9	486.8	479.3	473.8	470.2	466.5	464.8
30°	555.4	534.0	512.5	493.4	477.4	467.3	460.4	456.6	453.8	452.1	450.3
32.5°	535.2	514.0	491.3	473.9	459.7	450.7	445.4	441.6	440.2	439.6	439.0
35°	502.7	481.3	460.4	444.8	431.2	427.8	423.3	421.2	420.5	422.9	424.0
37.5°	471.3	451.3	432.1	417.1	408.1	403.1	401.5	401.6	404.1	406.3	408.8
40°	451.0	431.6	413.6	400.4	392.1	389.0	388.3	389.9	392.7	395.2	398.0
42.5°	431.3	412.1	395.8	383.4	377.6	374.8	375.2	376.9	380.8	383.8	388.0
45°	400.7	384.8	368.8	358.7	353.9	354.5	354.5	357.7	361.5	366.0	370.5
47.5°	371.9	355.8	342.7	334.2	331.7	331.1	333.1	337.2	342.7	348.2	354.5
50°	352.5	337.2	325.7	318.2	315.4	316.4	319.2	323.0	329.6	336.5	343.1
52.5°	332.8	318.9	308.3	301.2	299.3	301.1	303.9	310.0	315.8	323.2	331.2
55°	302.2	290.4	282.0	276.9	276.2	277.2	280.4	287.0	295.2	304.6	312.3
57.5°	271.7	261.9	254.2	250.7	251.0	252.0	257.1	264.9	273.8	283.8	293.6
60°	251.2	242.2	235.9	233.2	233.5	235.6	241.8	249.1	260.2	269.9	280.4
62.5°	231.8	223.8	217.8	215.3	214.9	219.5	225.4	233.0	244.2	254.9	266.2
65°	200.5	194.3	189.4	188.1	189.0	192.5	200.2	210.3	219.6	231.0	242.9
67.5°	170.0	164.9	161.6	162.2	163.5	168.5	175.0	183.6	194.2	206.1	217.8
70°	150.6	145.7	142.9	143.3	145.3	151.6	157.2	165.9	177.3	189.4	199.1
72.5°	130.6	127.4	124.9	126.4	128.4	132.8	139.6	148.4	158.5	169.7	180.0
75°	100.2	100.2	98.9	100.0	103.1	107.2	112.4	121.5	131.5	140.5	148.8
77.5°	74.4	73.7	74.5	75.8	77.6	82.5	88.5	95.0	102.5	111.6	118.4
80°	56.9	57.2	58.9	61.1	61.8	65.5	71.8	77.8	83.6	91.2	97.8
82.5°	42.7	43.1	44.0	46.6	47.3	51.5	55.5	61.3	66.7	71.8	77.3
85°	23.3	23.3	25.0	26.0	27.7	30.5	33.0	36.5	41.3	44.8	49.9
87.5°	11.1	11.6	13.0	13.9	15.1	16.8	17.6	20.9	22.2	23.8	26.5
90°	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3	23.5	24.7	25.5
92.5°	11.9	12.8	14.4	16.0	17.6	19.2	20.3	21.6	22.7	24.0	24.6
95°	22.4	19.1	19.3	19.4	19.7	19.9	21.0	22.3	23.5	24.7	25.4
97.5°	122.5	113.5	91.0	68.7	46.3	23.8	24.0	24.1	24.3	24.3	24.5
100°	162.6	150.6	122.9	95.1	67.5	39.8	36.4	32.9	29.5	26.1	24.5
102.5°	206.4	206.0	202.4	198.8	195.1	191.5	154.7	117.9	81.1	44.2	25.9
105°	276.8	277.9	278.8	279.9	280.9	281.9	283.7	285.5	287.3	289.1	286.4
107.5°	345.0	346.0	347.3	348.7	350.1	351.4	352.3	353.2	354.1	355.0	355.8
110°	392.7	393.6	394.8	396.0	397.3	398.4	398.9	399.2	399.7	400.0	400.6



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	440.9	441.8	442.3	442.8	443.4	444.0	443.9	443.8	443.7	443.6	444.0
115°	510.1	510.3	510.1	510.0	509.8	509.5	510.0	510.3	510.8	511.1	511.4
117.5°	575.1	575.7	576.1	576.6	577.0	577.5	577.4	577.3	577.3	577.2	577.1
120°	618.5	618.8	618.6	618.4	618.1	618.0	618.4	618.8	619.2	619.6	619.6
122.5°	657.6	658.1	658.4	658.6	658.9	659.2	659.4	659.7	659.9	660.1	660.0
125°	716.9	717.1	716.8	716.3	716.0	715.5	716.1	716.8	717.4	717.9	718.4
127.5°	769.5	770.0	771.0	771.9	772.8	773.7	773.6	773.5	773.4	773.2	773.1
130°	804.9	805.3	805.9	806.5	807.1	807.7	807.9	808.1	808.3	808.5	808.6
132.5°	838.0	838.7	839.4	840.2	840.9	841.7	841.9	842.0	842.3	842.5	842.5
135°	884.6	884.9	885.7	886.5	887.3	888.1	888.5	888.9	889.3	889.7	890.1
137.5°	928.9	929.3	930.2	931.1	932.0	932.9	933.4	933.8	934.2	934.7	934.9
140°	958.4	958.8	959.2	959.6	960.0	960.4	961.0	961.6	962.2	962.8	963.2
142.5°	985.0	985.4	985.7	985.9	986.1	986.4	986.9	987.3	987.7	988.2	988.4
145°	1023.3	1023.6	1023.6	1023.6	1023.6	1023.6	1023.9	1024.0	1024.2	1024.4	1024.8
147.5°	1056.3	1056.8	1056.6	1056.4	1056.1	1056.0	1056.1	1056.3	1056.4	1056.6	1056.8
150°	1077.5	1077.7	1077.5	1077.4	1077.1	1076.9	1076.9	1076.9	1076.9	1076.9	1077.0
152.5°	1095.6	1095.7	1095.4	1095.0	1094.7	1094.3	1094.6	1094.9	1095.2	1095.6	1095.6
155°	1120.2	1120.0	1119.4	1118.8	1118.2	1117.6	1118.4	1119.2	1120.0	1120.8	1120.9
157.5°	1141.1	1140.8	1140.1	1139.3	1138.7	1138.0	1139.1	1140.1	1141.1	1142.2	1142.2
160°	1152.2	1151.8	1151.6	1151.4	1151.2	1151.0	1152.2	1153.4	1154.6	1155.8	1155.8
162.5°	1163.1	1162.6	1162.4	1162.3	1162.1	1161.8	1163.1	1164.2	1165.5	1166.6	1166.6
165°	1176.8	1176.3	1176.3	1176.3	1176.3	1176.3	1177.9	1179.6	1181.2	1182.8	1182.6
167.5°	1188.2	1187.7	1187.5	1187.4	1187.3	1187.1	1188.9	1190.7	1192.5	1194.2	1194.1
170°	1194.1	1193.6	1193.7	1194.0	1194.2	1194.4	1196.0	1197.6	1199.2	1200.8	1200.6
172.5°	1198.4	1197.9	1198.1	1198.3	1198.5	1198.7	1200.3	1201.9	1203.5	1205.1	1204.9
175°	1203.1	1202.7	1202.8	1203.0	1203.2	1203.5	1205.2	1207.0	1208.8	1210.7	1210.3
177.5°	1205.6	1205.2	1205.5	1205.9	1206.1	1206.5	1207.7	1209.1	1210.3	1211.7	1211.3
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	798.1	797.5	795.6	795.3	795.6	797.5	798.1	798.7	799.5	802.3	799.0
5°	737.3	735.6	734.5	738.3	734.5	735.6	737.3	739.3	742.8	743.2	746.6
7.5°	691.4	690.0	687.0	686.0	687.0	690.0	691.4	692.7	696.2	699.1	704.3
10°	662.0	660.6	657.8	657.1	657.8	660.6	662.0	665.5	668.9	672.7	676.2
12.5°	633.6	630.9	630.4	631.1	630.4	630.9	633.6	638.3	647.3	647.2	647.9
15°	596.0	594.7	590.8	591.9	590.8	594.7	596.0	600.6	604.8	609.9	615.1
17.5°	559.0	557.3	552.7	556.8	552.7	557.3	559.0	561.4	566.8	574.2	581.9
20°	535.7	532.9	530.5	530.1	530.5	532.9	535.7	538.1	544.0	550.3	556.2
22.5°	513.4	511.0	510.8	508.5	510.8	511.0	513.4	517.3	523.2	526.6	532.3
25°	485.7	483.3	482.6	480.9	482.6	483.3	485.7	488.5	492.3	495.1	501.3
27.5°	464.4	463.2	462.0	462.5	462.0	463.2	464.4	464.8	466.5	470.2	473.8
30°	451.4	451.0	450.3	450.3	450.3	451.0	451.4	450.3	452.1	453.8	456.6
32.5°	440.6	440.5	440.9	440.9	440.9	440.5	440.6	439.0	439.6	440.2	441.6
35°	425.3	426.4	427.1	426.1	427.1	426.4	425.3	424.0	422.9	420.5	421.2
37.5°	411.6	412.7	413.7	414.8	413.7	412.7	411.6	408.8	406.3	404.1	401.6
40°	401.1	403.5	404.2	405.9	404.2	403.5	401.1	398.0	395.2	392.7	389.9
42.5°	391.1	393.8	395.6	395.9	395.6	393.8	391.1	388.0	383.8	380.8	376.9
45°	375.8	378.5	380.9	380.9	380.9	378.5	375.8	370.5	366.0	361.5	357.7
47.5°	359.9	363.9	366.3	366.9	366.3	363.9	359.9	354.5	348.2	342.7	337.2
50°	349.0	353.9	356.3	358.0	356.3	353.9	349.0	343.1	336.5	329.6	323.0
52.5°	338.5	343.3	346.6	347.5	346.6	343.3	338.5	331.2	323.2	315.8	310.0
55°	320.2	327.2	331.0	332.3	331.0	327.2	320.2	312.3	304.6	295.2	287.0
57.5°	303.0	309.4	313.9	314.9	313.9	309.4	303.0	293.6	283.8	273.8	264.9
60°	289.7	296.7	302.2	303.3	302.2	296.7	289.7	280.4	269.9	260.2	249.1
62.5°	276.1	283.3	288.3	291.1	288.3	283.3	276.1	266.2	254.9	244.2	233.0
65°	252.6	259.8	264.7	265.7	264.7	259.8	252.6	242.9	231.0	219.6	210.3
67.5°	226.9	234.2	237.4	239.4	237.4	234.2	226.9	217.8	206.1	194.2	183.6
70°	208.8	214.7	218.2	220.0	218.2	214.7	208.8	199.1	189.4	177.3	165.9
72.5°	188.3	194.5	198.5	198.9	198.5	194.5	188.3	180.0	169.7	158.5	148.4
75°	156.9	162.4	164.4	164.4	164.4	162.4	156.9	148.8	140.5	131.5	121.5
77.5°	124.1	127.0	129.7	130.2	129.7	127.0	124.1	118.4	111.6	102.5	95.0
80°	103.1	104.8	106.8	106.8	106.8	104.8	103.1	97.8	91.2	83.6	77.8
82.5°	81.4	82.8	84.9	84.6	84.9	82.8	81.4	77.3	71.8	66.7	61.3
85°	49.2	52.4	52.1	51.4	52.1	52.4	49.2	49.9	44.8	41.3	36.5
87.5°	27.4	27.7	28.6	29.2	28.6	27.7	27.4	26.5	23.8	22.2	20.9
90°	25.9	26.3	26.7	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3
92.5°	24.7	24.8	24.9	25.0	24.9	24.8	24.7	24.6	24.0	22.7	21.6
95°	25.6	25.8	26.0	26.2	26.0	25.8	25.6	25.4	24.7	23.5	22.3
97.5°	24.7	24.9	25.1	25.3	25.1	24.9	24.7	24.5	24.3	24.3	24.1
100°	24.7	24.9	25.1	25.3	25.1	24.9	24.7	24.5	26.1	29.5	32.9
102.5°	25.9	25.9	25.9	26.0	25.9	25.9	25.9	25.9	44.2	81.1	117.9
105°	279.2	272.0	264.7	257.5	264.7	272.0	279.2	286.4	289.1	287.3	285.5
107.5°	356.6	357.3	358.1	358.8	358.1	357.3	356.6	355.8	355.0	354.1	353.2
110°	401.2	401.7	402.3	403.0	402.3	401.7	401.2	400.6	400.0	399.7	399.2



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	444.8	445.5	446.3	447.0	446.3	445.5	444.8	444.0	443.6	443.7	443.8
115°	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.1	510.8	510.3
117.5°	577.0	576.9	576.8	576.8	576.8	576.9	577.0	577.1	577.2	577.3	577.3
120°	619.2	618.8	618.4	618.0	618.4	618.8	619.2	619.6	619.6	619.2	618.8
122.5°	659.7	659.2	658.9	658.4	658.9	659.2	659.7	660.0	660.1	659.9	659.7
125°	718.5	718.7	719.0	719.2	719.0	718.7	718.5	718.4	717.9	717.4	716.8
127.5°	772.9	772.8	772.6	772.5	772.6	772.8	772.9	773.1	773.2	773.4	773.5
130°	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.5	808.3	808.1
132.5°	842.3	842.1	842.0	841.9	842.0	842.1	842.3	842.5	842.5	842.3	842.0
135°	890.6	890.9	891.4	891.7	891.4	890.9	890.6	890.1	889.7	889.3	888.9
137.5°	934.7	934.6	934.5	934.3	934.5	934.6	934.7	934.9	934.7	934.2	933.8
140°	963.4	963.6	963.8	964.0	963.8	963.6	963.4	963.2	962.8	962.2	961.6
142.5°	988.5	988.5	988.6	988.6	988.6	988.5	988.5	988.4	988.2	987.7	987.3
145°	1025.1	1025.6	1025.9	1026.4	1025.9	1025.6	1025.1	1024.8	1024.4	1024.2	1024.0
147.5°	1057.0	1057.2	1057.4	1057.6	1057.4	1057.2	1057.0	1056.8	1056.6	1056.4	1056.3
150°	1077.2	1077.5	1077.6	1077.8	1077.6	1077.5	1077.2	1077.0	1076.9	1076.9	1076.9
152.5°	1095.6	1095.4	1095.3	1095.2	1095.3	1095.4	1095.6	1095.6	1095.6	1095.2	1094.9
155°	1120.3	1119.7	1119.1	1118.5	1119.1	1119.7	1120.3	1120.9	1120.8	1120.0	1119.2
157.5°	1141.1	1140.1	1139.1	1138.0	1139.1	1140.1	1141.1	1142.2	1142.2	1141.1	1140.1
160°	1154.6	1153.4	1152.2	1151.0	1152.2	1153.4	1154.6	1155.8	1155.8	1154.6	1153.4
162.5°	1165.2	1163.9	1162.5	1161.1	1162.5	1163.9	1165.2	1166.6	1166.6	1165.5	1164.2
165°	1180.8	1179.0	1177.2	1175.4	1177.2	1179.0	1180.8	1182.6	1182.8	1181.2	1179.6
167.5°	1192.1	1190.1	1188.1	1186.1	1188.1	1190.1	1192.1	1194.1	1194.2	1192.5	1190.7
170°	1198.5	1196.6	1194.5	1192.6	1194.5	1196.6	1198.5	1200.6	1200.8	1199.2	1197.6
172.5°	1202.7	1200.5	1198.4	1196.1	1198.4	1200.5	1202.7	1204.9	1205.1	1203.5	1201.9
175°	1207.9	1205.5	1203.1	1200.7	1203.1	1205.5	1207.9	1210.3	1210.7	1208.8	1207.0
177.5°	1209.3	1207.5	1205.5	1203.6	1205.5	1207.5	1209.3	1211.3	1211.7	1210.3	1209.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	800.6	801.7	806.2	810.3	815.3	818.9	821.4	824.2	830.0	834.7	839.2
5°	750.1	751.8	760.9	767.1	777.8	787.2	794.5	802.5	811.9	824.7	836.5
7.5°	705.6	712.1	721.9	732.1	743.1	755.3	766.0	778.0	794.2	811.8	830.0
10°	680.4	687.7	698.0	709.9	720.2	734.5	747.7	761.9	780.2	801.8	823.3
12.5°	655.1	667.1	675.0	689.0	700.3	712.0	726.0	744.7	766.2	788.7	814.7
15°	623.5	630.1	645.3	653.0	668.9	687.0	700.8	719.6	740.4	770.3	799.3
17.5°	586.9	595.7	607.8	622.3	640.7	654.8	672.1	691.3	717.6	747.2	783.7
20°	563.1	570.4	585.3	601.3	620.7	635.6	654.0	672.7	699.8	731.4	769.5
22.5°	541.7	548.8	564.5	579.3	598.2	616.4	635.7	657.5	683.4	716.7	755.6
25°	508.6	518.0	531.9	547.2	565.2	586.0	606.8	626.2	654.0	689.0	730.7
27.5°	479.3	486.8	496.9	514.2	534.7	554.7	575.4	599.9	626.5	663.6	706.8
30°	460.4	467.3	477.4	493.4	512.5	534.0	555.4	579.1	606.8	643.5	687.7
32.5°	445.4	450.7	459.7	473.9	491.3	514.0	535.2	559.6	588.8	625.0	668.0
35°	423.3	427.8	431.2	444.8	460.4	481.3	502.7	528.8	556.9	591.2	634.2
37.5°	401.5	403.1	408.1	417.1	432.1	451.3	471.3	496.9	525.7	560.6	599.4
40°	388.3	389.0	392.1	400.4	413.6	431.6	451.0	476.4	503.7	536.7	575.2
42.5°	375.2	374.8	377.6	383.4	395.8	412.1	431.3	454.4	481.9	512.3	548.6
45°	354.5	354.5	353.9	358.7	368.8	384.8	400.7	422.9	445.9	475.6	506.2
47.5°	333.1	331.1	331.7	334.2	342.7	355.8	371.9	390.1	410.3	435.6	462.4
50°	319.2	316.4	315.4	318.2	325.7	337.2	352.5	368.5	387.5	409.7	432.7
52.5°	303.9	301.1	299.3	301.2	308.3	318.9	332.8	346.8	363.9	382.0	401.8
55°	280.4	277.2	276.2	276.9	282.0	290.4	302.2	315.0	327.9	342.8	356.7
57.5°	257.1	252.0	251.0	250.7	254.2	261.9	271.7	282.9	292.2	301.2	316.0
60°	241.8	235.6	233.5	233.2	235.9	242.2	251.2	262.3	268.9	275.1	287.9
62.5°	225.4	219.5	214.9	215.3	217.8	223.8	231.8	239.8	244.2	251.0	259.7
65°	200.2	192.5	189.0	188.1	189.4	194.3	200.5	205.7	210.6	213.4	221.7
67.5°	175.0	168.5	163.5	162.2	161.6	164.9	170.0	173.2	176.6	179.1	184.0
70°	157.2	151.6	145.3	143.3	142.9	145.7	150.6	151.0	155.8	156.9	162.0
72.5°	139.6	132.8	128.4	126.4	124.9	127.4	130.6	131.5	134.1	136.0	138.8
75°	112.4	107.2	103.1	100.0	98.9	100.2	100.2	102.0	103.7	104.8	107.9
77.5°	88.5	82.5	77.6	75.8	74.5	73.7	74.4	75.4	74.6	76.4	77.1
80°	71.8	65.5	61.8	61.1	58.9	57.2	56.9	58.0	56.5	57.2	59.3
82.5°	55.5	51.5	47.3	46.6	44.0	43.1	42.7	42.1	42.1	42.0	42.4
85°	33.0	30.5	27.7	26.0	25.0	23.3	23.3	22.6	21.8	21.1	21.5
87.5°	17.6	16.8	15.1	13.9	13.0	11.6	11.1	9.9	9.2	8.5	7.8
90°	21.0	19.9	18.3	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7
92.5°	20.3	19.2	17.6	16.0	14.4	12.8	11.9	11.8	11.6	11.5	11.4
95°	21.0	19.9	19.7	19.4	19.3	19.1	22.4	29.2	36.0	42.9	49.7
97.5°	24.0	23.8	46.3	68.7	91.0	113.5	122.5	118.3	114.0	109.8	105.5
100°	36.4	39.8	67.5	95.1	122.9	150.6	162.6	159.0	155.4	151.8	148.2
102.5°	154.7	191.5	195.1	198.8	202.4	206.0	206.4	203.8	201.2	198.5	195.9
105°	283.7	281.9	280.9	279.9	278.8	277.9	276.8	275.5	274.4	273.1	272.0
107.5°	352.3	351.4	350.1	348.7	347.3	346.0	345.0	344.4	343.8	343.2	342.6
110°	398.9	398.4	397.3	396.0	394.8	393.6	392.7	392.1	391.5	390.9	390.3



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	443.9	444.0	443.4	442.8	442.3	441.8	440.9	439.8	438.7	437.7	436.6
115°	510.0	509.5	509.8	510.0	510.1	510.3	510.1	509.5	509.0	508.4	507.7
117.5°	577.4	577.5	577.0	576.6	576.1	575.7	575.1	574.3	573.5	572.7	571.9
120°	618.4	618.0	618.1	618.4	618.6	618.8	618.5	617.7	616.9	616.1	615.3
122.5°	659.4	659.2	658.9	658.6	658.4	658.1	657.6	657.2	656.7	656.2	655.8
125°	716.1	715.5	716.0	716.3	716.8	717.1	716.9	716.1	715.3	714.5	713.7
127.5°	773.6	773.7	772.8	771.9	771.0	770.0	769.5	769.3	769.1	768.8	768.7
130°	807.9	807.7	807.1	806.5	805.9	805.3	804.9	804.7	804.5	804.3	804.1
132.5°	841.9	841.7	840.9	840.2	839.4	838.7	838.0	837.7	837.3	837.0	836.6
135°	888.5	888.1	887.3	886.5	885.7	884.9	884.6	884.8	885.0	885.2	885.4
137.5°	933.4	932.9	932.0	931.1	930.2	929.3	928.9	928.8	928.7	928.6	928.5
140°	961.0	960.4	960.0	959.6	959.2	958.8	958.4	958.0	957.6	957.2	956.8
142.5°	986.9	986.4	986.1	985.9	985.7	985.4	985.0	984.3	983.5	982.8	982.0
145°	1023.9	1023.6	1023.6	1023.6	1023.6	1023.6	1023.3	1022.7	1022.1	1021.5	1020.9
147.5°	1056.1	1056.0	1056.1	1056.4	1056.6	1056.8	1056.3	1055.2	1054.1	1052.9	1051.8
150°	1076.9	1076.9	1077.1	1077.4	1077.5	1077.7	1077.5	1076.7	1075.8	1075.0	1074.2
152.5°	1094.6	1094.3	1094.7	1095.0	1095.4	1095.7	1095.6	1094.9	1094.3	1093.7	1093.0
155°	1118.4	1117.6	1118.2	1118.8	1119.4	1120.0	1120.2	1120.0	1119.8	1119.6	1119.4
157.5°	1139.1	1138.0	1138.7	1139.3	1140.1	1140.8	1141.1	1141.2	1141.4	1141.5	1141.7
160°	1152.2	1151.0	1151.2	1151.4	1151.6	1151.8	1152.2	1152.8	1153.4	1154.1	1154.6
162.5°	1163.1	1161.8	1162.1	1162.3	1162.4	1162.6	1163.1	1163.9	1164.7	1165.5	1166.2
165°	1177.9	1176.3	1176.3	1176.3	1176.3	1176.3	1176.8	1177.8	1178.8	1179.8	1180.8
167.5°	1188.9	1187.1	1187.3	1187.4	1187.5	1187.7	1188.2	1189.3	1190.3	1191.3	1192.4
170°	1196.0	1194.4	1194.2	1194.0	1193.7	1193.6	1194.1	1195.2	1196.5	1197.7	1198.9
172.5°	1200.3	1198.7	1198.5	1198.3	1198.1	1197.9	1198.4	1199.6	1200.8	1202.0	1203.2
175°	1205.2	1203.5	1203.2	1203.0	1202.8	1202.7	1203.1	1204.3	1205.5	1206.8	1207.9
177.5°	1207.7	1206.5	1206.1	1205.9	1205.5	1205.2	1205.6	1206.8	1207.8	1209.0	1210.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P332757-940

CATALOG NUMBER: S124DIW-S575D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	843.1	845.9	849.4	855.6	857.8	860.6	864.4	864.2	865.3	869.4	878.3
5°	846.2	856.9	867.4	879.9	893.0	901.7	913.6	920.8	928.1	937.5	953.4
7.5°	847.5	864.5	883.6	905.5	925.1	947.5	965.1	981.6	996.5	1016.3	1035.3
10°	845.5	868.4	893.0	920.8	950.3	975.3	997.8	1023.5	1045.4	1069.3	1090.8
12.5°	841.9	869.5	902.5	933.5	968.0	1005.0	1033.0	1059.0	1088.1	1115.6	1148.8
15°	833.7	871.6	910.1	951.0	997.1	1039.8	1080.4	1114.0	1145.3	1186.6	1229.9
17.5°	823.3	864.1	912.7	962.2	1010.5	1059.3	1109.5	1160.0	1199.4	1250.7	1284.7
20°	813.6	860.8	910.7	969.7	1018.0	1078.7	1128.6	1177.5	1231.6	1282.6	1323.3
22.5°	800.0	851.6	904.6	963.3	1026.8	1087.5	1145.3	1198.4	1252.5	1308.0	1357.1
25°	782.7	829.6	892.3	958.9	1022.1	1088.1	1154.3	1220.9	1279.2	1337.8	1383.7
27.5°	753.3	812.4	870.9	939.7	1009.9	1084.4	1155.3	1225.0	1286.0	1334.3	1362.7
30°	738.3	789.6	853.2	922.2	998.2	1078.3	1152.2	1220.6	1277.5	1316.0	1327.4
32.5°	716.1	769.1	831.3	902.8	983.2	1065.5	1142.5	1206.9	1254.5	1274.6	1260.8
35°	683.1	731.0	793.8	867.0	950.7	1038.4	1114.4	1168.9	1193.2	1174.1	1126.5
37.5°	643.5	691.1	754.1	826.0	912.6	1001.7	1070.5	1109.6	1101.6	1054.2	983.3
40°	615.8	660.2	720.2	798.0	882.3	971.8	1032.2	1053.4	1031.2	963.1	887.9
42.5°	585.1	628.3	688.6	763.6	852.8	935.4	988.0	989.8	952.6	871.3	795.7
45°	538.1	579.4	636.3	714.3	796.9	874.7	909.4	892.3	823.7	745.2	669.2
47.5°	491.9	527.6	583.7	657.8	736.2	801.6	818.9	788.3	715.1	638.9	568.5
50°	458.0	494.1	546.8	617.6	693.2	749.8	758.0	717.5	645.7	569.0	513.8
52.5°	425.5	461.3	512.1	577.6	646.8	697.9	698.1	651.1	579.6	511.3	459.9
55°	377.8	410.1	455.9	514.5	576.3	616.2	606.5	557.9	495.8	436.5	391.7
57.5°	331.9	360.0	402.2	451.1	505.5	538.4	522.3	475.5	420.1	369.8	335.8
60°	302.2	328.9	365.0	411.2	456.9	482.6	467.3	425.0	374.0	333.4	303.9
62.5°	273.3	295.9	330.6	370.6	413.0	432.1	418.5	376.7	332.7	296.0	272.0
65°	232.5	250.8	278.6	313.0	343.8	360.2	348.7	309.8	276.2	249.8	230.7
67.5°	194.3	208.7	229.7	257.3	283.5	292.3	281.9	254.8	226.3	205.2	191.7
70°	167.9	181.5	199.1	220.3	243.2	252.6	242.2	220.7	197.4	178.0	164.8
72.5°	144.9	155.3	170.3	188.4	206.3	215.7	208.6	187.9	168.3	153.8	142.6
75°	110.3	119.3	129.7	142.6	156.5	162.7	156.5	142.2	128.7	118.0	109.9
77.5°	80.3	85.1	93.1	102.7	111.4	116.2	110.8	101.1	92.8	85.5	81.5
80°	61.1	64.6	70.1	77.8	83.6	88.1	84.6	76.7	70.1	65.2	63.5
82.5°	44.4	46.7	50.4	56.1	60.0	62.3	60.8	55.0	52.3	48.0	46.3
85°	21.8	23.3	25.7	27.4	30.9	31.2	31.6	29.2	26.8	25.7	24.3
87.5°	8.5	9.2	10.4	11.8	13.2	13.8	13.9	14.2	13.4	13.4	12.5
90°	4.9	7.1	9.4	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3
92.5°	11.5	11.6	11.8	11.9	12.8	14.4	16.0	17.6	19.2	20.3	21.6
95°	42.9	36.0	29.2	22.4	19.1	19.3	19.4	19.7	19.9	21.0	22.3
97.5°	109.8	114.0	118.3	122.5	113.5	91.0	68.7	46.3	23.8	24.0	24.1
100°	151.8	155.4	159.0	162.6	150.6	122.9	95.1	67.5	39.8	36.4	32.9
102.5°	198.5	201.2	203.8	206.4	206.0	202.4	198.8	195.1	191.5	154.7	117.9
105°	273.1	274.4	275.5	276.8	277.9	278.8	279.9	280.9	281.9	283.7	285.5
107.5°	343.2	343.8	344.4	345.0	346.0	347.3	348.7	350.1	351.4	352.3	353.2
110°	390.9	391.5	392.1	392.7	393.6	394.8	396.0	397.3	398.4	398.9	399.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	437.7	438.7	439.8	440.9	441.8	442.3	442.8	443.4	444.0	443.9	443.8
115°	508.4	509.0	509.5	510.1	510.3	510.1	510.0	509.8	509.5	510.0	510.3
117.5°	572.7	573.5	574.3	575.1	575.7	576.1	576.6	577.0	577.5	577.4	577.3
120°	616.1	616.9	617.7	618.5	618.8	618.6	618.4	618.1	618.0	618.4	618.8
122.5°	656.2	656.7	657.2	657.6	658.1	658.4	658.6	658.9	659.2	659.4	659.7
125°	714.5	715.3	716.1	716.9	717.1	716.8	716.3	716.0	715.5	716.1	716.8
127.5°	768.8	769.1	769.3	769.5	770.0	771.0	771.9	772.8	773.7	773.6	773.5
130°	804.3	804.5	804.7	804.9	805.3	805.9	806.5	807.1	807.7	807.9	808.1
132.5°	837.0	837.3	837.7	838.0	838.7	839.4	840.2	840.9	841.7	841.9	842.0
135°	885.2	885.0	884.8	884.6	884.9	885.7	886.5	887.3	888.1	888.5	888.9
137.5°	928.6	928.7	928.8	928.9	929.3	930.2	931.1	932.0	932.9	933.4	933.8
140°	957.2	957.6	958.0	958.4	958.8	959.2	959.6	960.0	960.4	961.0	961.6
142.5°	982.8	983.5	984.3	985.0	985.4	985.7	985.9	986.1	986.4	986.9	987.3
145°	1021.5	1022.1	1022.7	1023.3	1023.6	1023.6	1023.6	1023.6	1023.6	1023.9	1024.0
147.5°	1052.9	1054.1	1055.2	1056.3	1056.8	1056.6	1056.4	1056.1	1056.0	1056.1	1056.3
150°	1075.0	1075.8	1076.7	1077.5	1077.7	1077.5	1077.4	1077.1	1076.9	1076.9	1076.9
152.5°	1093.7	1094.3	1094.9	1095.6	1095.7	1095.4	1095.0	1094.7	1094.3	1094.6	1094.9
155°	1119.6	1119.8	1120.0	1120.2	1120.0	1119.4	1118.8	1118.2	1117.6	1118.4	1119.2
157.5°	1141.5	1141.4	1141.2	1141.1	1140.8	1140.1	1139.3	1138.7	1138.0	1139.1	1140.1
160°	1154.1	1153.4	1152.8	1152.2	1151.8	1151.6	1151.4	1151.2	1151.0	1152.2	1153.4
162.5°	1165.5	1164.7	1163.9	1163.1	1162.6	1162.4	1162.3	1162.1	1161.8	1163.1	1164.2
165°	1179.8	1178.8	1177.8	1176.8	1176.3	1176.3	1176.3	1176.3	1176.3	1177.9	1179.6
167.5°	1191.3	1190.3	1189.3	1188.2	1187.7	1187.5	1187.4	1187.3	1187.1	1188.9	1190.7
170°	1197.7	1196.5	1195.2	1194.1	1193.6	1193.7	1194.0	1194.2	1194.4	1196.0	1197.6
172.5°	1202.0	1200.8	1199.6	1198.4	1197.9	1198.1	1198.3	1198.5	1198.7	1200.3	1201.9
175°	1206.8	1205.5	1204.3	1203.1	1202.7	1202.8	1203.0	1203.2	1203.5	1205.2	1207.0
177.5°	1209.0	1207.8	1206.8	1205.6	1205.2	1205.5	1205.9	1206.1	1206.5	1207.7	1209.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	882.8	883.3	885.8	887.8	888.3	891.1	891.4
5°	960.4	966.3	977.7	978.7	980.4	989.5	982.6
7.5°	1051.2	1066.2	1076.2	1085.0	1088.2	1092.2	1091.4
10°	1109.6	1131.8	1142.8	1160.6	1161.3	1165.7	1163.0
12.5°	1168.1	1193.9	1214.2	1217.5	1232.3	1234.6	1238.5
15°	1251.1	1278.5	1306.6	1316.7	1337.1	1342.0	1349.6
17.5°	1329.1	1357.1	1376.8	1402.8	1411.2	1422.5	1414.9
20°	1371.8	1402.4	1427.4	1447.8	1456.5	1462.8	1462.0
22.5°	1397.7	1428.4	1448.7	1464.2	1472.3	1475.0	1474.8
25°	1413.8	1431.6	1437.8	1443.7	1434.7	1431.6	1432.9
27.5°	1368.9	1364.2	1348.0	1326.6	1304.4	1286.7	1277.2
30°	1307.0	1279.9	1255.3	1212.3	1190.0	1176.9	1165.0
32.5°	1219.2	1176.3	1129.0	1089.6	1064.3	1044.7	1041.8
35°	1069.0	1004.4	946.5	898.2	873.3	852.1	847.2
37.5°	908.8	841.8	789.6	747.1	720.2	705.3	691.4
40°	802.5	744.9	693.6	657.5	637.0	626.2	617.6
42.5°	720.6	668.0	617.0	589.4	571.0	564.4	559.3
45°	607.5	558.6	523.2	502.4	491.6	480.5	475.3
47.5°	516.9	477.2	453.8	436.1	424.6	418.0	414.6
50°	465.6	433.0	412.1	398.7	388.3	383.0	380.2
52.5°	420.1	393.3	375.9	365.1	358.0	354.2	353.0
55°	361.9	341.4	330.3	320.9	315.8	312.3	310.9
57.5°	314.5	298.8	289.8	282.0	280.1	277.1	276.2
60°	283.5	271.3	263.7	258.5	256.7	253.2	254.0
62.5°	256.0	246.0	239.5	236.6	234.3	231.3	232.3
65°	216.5	209.2	205.7	203.0	200.2	198.5	199.8
67.5°	181.6	176.6	171.9	170.3	169.0	168.7	167.2
70°	158.9	154.7	150.6	149.5	149.5	148.1	147.8
72.5°	137.0	133.9	131.2	130.4	129.3	129.8	128.4
75°	105.8	103.3	102.4	101.3	100.9	100.9	100.0
77.5°	78.2	76.4	74.7	74.7	73.5	73.0	72.9
80°	59.3	58.7	57.2	57.2	56.5	56.9	56.2
82.5°	44.6	43.6	43.3	42.8	41.8	41.9	41.2
85°	23.9	22.9	22.6	21.5	20.8	21.5	20.8
87.5°	13.0	13.0	12.8	12.4	12.2	12.3	11.5
90°	23.5	24.7	25.5	25.9	26.3	26.7	27.1
92.5°	22.7	24.0	24.6	24.7	24.8	24.9	25.0
95°	23.5	24.7	25.4	25.6	25.8	26.0	26.2
97.5°	24.3	24.3	24.5	24.7	24.9	25.1	25.3
100°	29.5	26.1	24.5	24.7	24.9	25.1	25.3
102.5°	81.1	44.2	25.9	25.9	25.9	25.9	26.0
105°	287.3	289.1	286.4	279.2	272.0	264.7	257.5
107.5°	354.1	355.0	355.8	356.6	357.3	358.1	358.8
110°	399.7	400.0	400.6	401.2	401.7	402.3	403.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	443.7	443.6	444.0	444.8	445.5	446.3	447.0
115°	510.8	511.1	511.4	511.4	511.4	511.4	511.4
117.5°	577.3	577.2	577.1	577.0	576.9	576.8	576.8
120°	619.2	619.6	619.6	619.2	618.8	618.4	618.0
122.5°	659.9	660.1	660.0	659.7	659.2	658.9	658.4
125°	717.4	717.9	718.4	718.5	718.7	719.0	719.2
127.5°	773.4	773.2	773.1	772.9	772.8	772.6	772.5
130°	808.3	808.5	808.6	808.6	808.6	808.6	808.6
132.5°	842.3	842.5	842.5	842.3	842.1	842.0	841.9
135°	889.3	889.7	890.1	890.6	890.9	891.4	891.7
137.5°	934.2	934.7	934.9	934.7	934.6	934.5	934.3
140°	962.2	962.8	963.2	963.4	963.6	963.8	964.0
142.5°	987.7	988.2	988.4	988.5	988.5	988.6	988.6
145°	1024.2	1024.4	1024.8	1025.1	1025.6	1025.9	1026.4
147.5°	1056.4	1056.6	1056.8	1057.0	1057.2	1057.4	1057.6
150°	1076.9	1076.9	1077.0	1077.2	1077.5	1077.6	1077.8
152.5°	1095.2	1095.6	1095.6	1095.6	1095.4	1095.3	1095.2
155°	1120.0	1120.8	1120.9	1120.3	1119.7	1119.1	1118.5
157.5°	1141.1	1142.2	1142.2	1141.1	1140.1	1139.1	1138.0
160°	1154.6	1155.8	1155.8	1154.6	1153.4	1152.2	1151.0
162.5°	1165.5	1166.6	1166.6	1165.2	1163.9	1162.5	1161.1
165°	1181.2	1182.8	1182.6	1180.8	1179.0	1177.2	1175.4
167.5°	1192.5	1194.2	1194.1	1192.1	1190.1	1188.1	1186.1
170°	1199.2	1200.8	1200.6	1198.5	1196.6	1194.5	1192.6
172.5°	1203.5	1205.1	1204.9	1202.7	1200.5	1198.4	1196.1
175°	1208.8	1210.7	1210.3	1207.9	1205.5	1203.1	1200.7
177.5°	1210.3	1211.7	1211.3	1209.3	1207.5	1205.5	1203.6
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9

(END OF REPORT)