

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: P333196-840

Luminaire Tested: **S125DIP-S610D1205U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333196-840
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: S125DIP-S610D1205U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7415.6 lumens
Efficiency: N/A
Efficacy: 150.1 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: Semi-Indirect

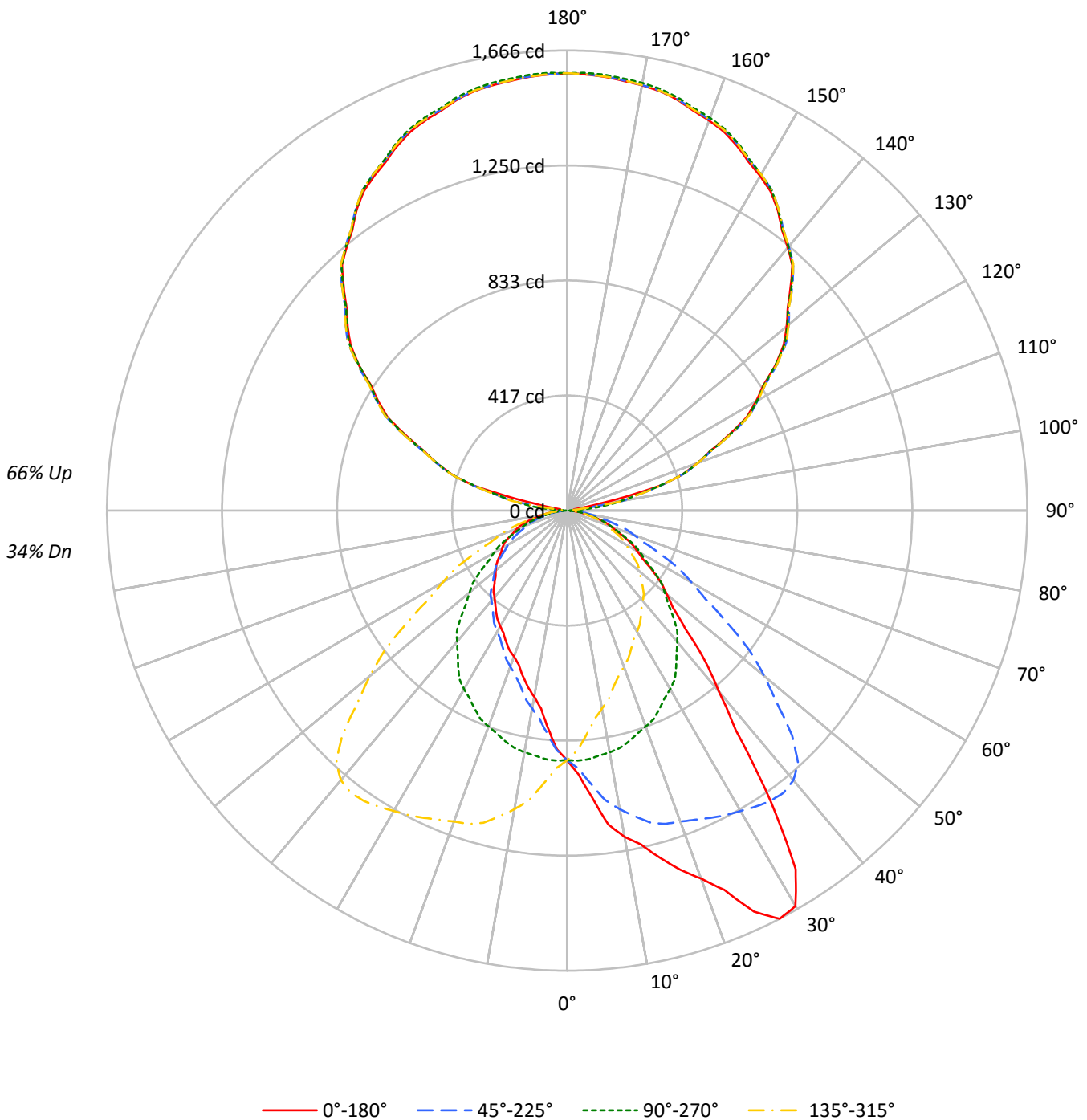
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	34
1	94	90	87	83	85	82	79	76	66	63	61	51	49	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	19	16
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	22	27	22	19	22	18	16	16	14	12	10
10	45	33	26	22	41	30	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5837	5837	5837	5837
5°	6760	5857	5128	5857
10°	7864	5827	4494	5827
15°	8705	5784	4145	5784
20°	9745	5716	3865	5716
25°	11416	5640	3729	5640
30°	12331	5565	3610	5565
35°	10138	5423	3533	5423
40°	7206	5227	3447	5227
45°	5536	4961	3399	4961
50°	4725	4633	3392	4633
55°	4208	4310	3422	4310
60°	3796	3959	3509	3959
65°	3506	3605	3599	3605
70°	3186	3238	3652	3238
75°	2815	2852	3618	2852
80°	2369	2325	3310	2325
85°	1875	1675	2675	1675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	1.2
10°-20°	259.1	3.5
20°-30°	420.7	5.7
30°-40°	513.1	6.9
40°-50°	466.8	6.3
50°-60°	371.8	5.0
60°-70°	259.0	3.5
70°-80°	138.1	1.9
80°-90°	38.1	0.5
90°-100°	57.5	0.8
100°-110°	354.6	4.8
110°-120°	643.1	8.7
120°-130°	825.3	11.1
130°-140°	887.7	12.0
140°-150°	833.2	11.2
150°-160°	674.0	9.1
160°-170°	435.9	5.9
170°-180°	150.4	2.0
0°-30°	766.7	10.3
0°-40°	1279.9	17.3
0°-60°	2118.5	28.6
0°-90°	2553.7	34.4
90°-120°	1055.2	14.2
90°-150°	3601.6	48.6
90°-180°	4862.0	65.6
0°-180°	7415.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	904	904	904	904	904	
5°	1043	903	791	903	1043	105
15°	1302	865	620	865	1302	373
25°	1602	791	523	791	1602	732
35°	1286	688	448	688	1286	787
45°	606	543	372	543	606	485
55°	374	383	304	383	374	337
65°	229	236	236	236	229	228
75°	113	114	145	114	113	121
85°	25	23	36	23	25	30
90°	28	1	28	1	28	13
95°	25	67	25	67	25	20
105°	349	345	349	345	349	315
115°	643	648	643	648	643	638
125°	921	921	921	921	921	820
135°	1144	1149	1144	1149	1144	883
145°	1329	1332	1329	1332	1329	830
155°	1456	1467	1456	1467	1456	671
165°	1540	1548	1540	1548	1540	435
175°	1576	1583	1576	1583	1576	150
180°	1583	1583	1583	1583	1583	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	956.0	954.7	953.5	951.1	952.9	947.7	945.2	941.0	935.7	933.9	931.7
5°	1042.7	1044.6	1046.5	1038.4	1039.3	1033.9	1021.6	1011.6	1003.6	993.2	985.9
7.5°	1147.0	1142.5	1142.2	1136.9	1127.9	1120.7	1107.8	1091.4	1075.5	1057.4	1042.5
10°	1199.2	1199.6	1196.2	1190.0	1180.4	1173.5	1156.6	1140.5	1121.0	1097.9	1081.5
12.5°	1238.5	1240.1	1235.8	1227.5	1222.7	1207.3	1194.1	1174.9	1151.7	1133.3	1108.1
15°	1302.0	1297.8	1294.7	1284.3	1276.3	1260.2	1239.1	1219.1	1193.9	1170.4	1147.0
17.5°	1363.2	1366.7	1360.9	1351.4	1326.5	1307.6	1279.3	1252.0	1220.4	1189.1	1161.1
20°	1417.9	1421.0	1412.1	1395.6	1365.7	1346.9	1309.7	1274.3	1238.0	1197.7	1167.0
22.5°	1486.0	1483.6	1471.7	1446.5	1420.7	1385.8	1345.6	1302.6	1257.0	1211.4	1170.6
25°	1602.0	1585.9	1578.6	1547.5	1513.4	1462.4	1407.1	1344.2	1287.5	1227.2	1175.1
27.5°	1666.3	1661.2	1653.1	1631.4	1595.6	1541.1	1475.9	1399.3	1319.1	1243.1	1174.8
30°	1653.5	1654.2	1655.0	1648.0	1625.1	1584.0	1519.1	1436.6	1341.5	1256.0	1177.0
32.5°	1539.2	1553.2	1566.6	1582.4	1588.8	1580.9	1540.3	1465.8	1368.0	1270.7	1175.7
35°	1285.9	1290.1	1333.5	1376.4	1434.7	1480.1	1510.4	1477.3	1394.8	1283.2	1174.3
37.5°	1002.6	1023.4	1053.4	1102.0	1186.1	1261.4	1358.4	1402.9	1376.2	1287.3	1171.5
40°	854.7	873.9	893.4	942.9	1013.9	1105.2	1215.3	1309.3	1331.2	1274.3	1162.4
42.5°	740.5	755.8	777.5	814.7	873.9	954.8	1060.1	1182.9	1258.4	1237.0	1143.1
45°	606.1	615.7	632.6	662.2	705.1	768.4	861.2	995.5	1112.5	1151.2	1097.1
47.5°	518.8	518.8	531.9	552.3	583.3	637.0	705.7	810.9	935.8	1028.3	1024.0
50°	470.3	468.4	478.8	496.4	521.0	556.6	622.3	706.3	826.4	931.1	960.2
52.5°	428.6	428.8	435.2	448.2	468.8	499.3	548.3	624.0	726.6	834.0	889.0
55°	373.7	372.1	379.4	388.2	403.2	423.1	458.5	516.3	599.6	705.5	776.8
57.5°	323.4	327.5	330.4	336.6	349.0	362.3	392.1	434.6	500.7	591.6	667.0
60°	293.9	298.1	300.3	306.5	316.5	328.0	351.0	385.6	441.2	519.5	594.2
62.5°	267.4	270.7	271.6	277.0	285.2	296.4	314.5	343.5	387.5	455.9	529.2
65°	229.4	229.4	231.0	236.7	240.5	250.5	264.3	285.4	320.7	374.1	436.6
67.5°	192.7	194.6	194.2	196.7	200.3	208.0	217.9	235.3	261.5	300.3	350.4
70°	168.7	170.4	170.0	171.9	175.7	180.7	188.7	205.2	224.0	257.4	300.3
72.5°	147.3	147.9	146.9	149.5	151.8	156.1	165.1	173.9	191.5	219.6	255.0
75°	112.8	113.5	114.3	115.8	118.2	120.5	125.0	133.9	145.4	166.5	189.1
77.5°	84.5	83.1	84.9	84.7	86.0	87.8	91.8	96.5	105.9	119.3	136.8
80°	63.7	64.0	64.0	64.4	66.3	67.6	71.0	74.4	81.7	91.7	103.9
82.5°	46.5	47.5	46.9	47.6	49.2	50.0	51.9	54.7	59.0	66.9	75.7
85°	25.3	23.4	24.1	24.9	24.9	25.3	26.9	28.0	30.3	33.3	36.9
87.5°	13.0	13.4	13.6	13.4	13.6	13.4	14.3	14.1	14.7	15.5	16.3
90°	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4	20.1	18.8	17.0
92.5°	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4	20.1	18.8	17.2
95°	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4	20.1	18.8	28.7
97.5°	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0	50.4	57.8	77.4
100°	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5	165.3	204.2	203.2
102.5°	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8	253.2	260.5	259.9
105°	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8	442.7	442.7	442.2
110°	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1	503.9	504.6	504.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	558.7	559.1	559.4	559.8	560.1	560.8	561.8	562.8	563.8	564.7	564.4
115°	643.2	644.7	646.3	647.8	649.4	650.8	651.8	652.8	653.9	654.9	654.6
117.5°	733.3	734.0	734.7	735.3	736.0	737.0	738.4	739.7	741.1	742.5	741.4
120°	788.7	790.0	791.3	792.6	794.0	794.9	795.4	795.9	796.4	796.9	796.1
122.5°	841.3	842.8	844.2	845.8	847.3	848.4	848.9	849.4	849.9	850.4	850.1
125°	921.3	922.1	922.9	923.6	924.4	925.3	926.3	927.5	928.5	929.5	929.5
127.5°	988.7	990.6	992.5	994.5	996.4	997.6	998.3	998.8	999.4	1000.0	1000.1
130°	1037.5	1038.8	1040.2	1041.4	1042.7	1043.8	1044.5	1045.3	1046.1	1046.9	1046.6
132.5°	1082.6	1083.9	1085.2	1086.5	1087.8	1088.5	1088.6	1088.8	1089.0	1089.1	1089.7
135°	1144.3	1145.9	1147.4	1149.0	1150.5	1151.7	1152.2	1152.7	1153.2	1153.7	1154.2
137.5°	1206.3	1207.6	1209.0	1210.3	1211.7	1212.3	1212.2	1212.1	1212.0	1211.9	1212.3
140°	1242.9	1244.5	1246.1	1247.6	1249.1	1249.7	1249.1	1248.6	1248.1	1247.6	1247.9
142.5°	1277.7	1279.2	1280.8	1282.3	1283.9	1284.6	1284.5	1284.4	1284.3	1284.2	1283.8
145°	1328.6	1330.1	1331.7	1333.2	1334.8	1335.4	1335.2	1334.9	1334.7	1334.4	1334.4
147.5°	1370.6	1372.5	1374.3	1376.2	1378.1	1378.9	1378.6	1378.3	1378.0	1377.7	1377.4
150°	1397.9	1399.9	1402.0	1404.1	1406.1	1406.9	1406.4	1405.9	1405.3	1404.8	1404.3
152.5°	1423.2	1425.0	1426.9	1428.8	1430.7	1431.4	1430.9	1430.3	1429.8	1429.3	1428.8
155°	1456.5	1458.5	1460.7	1462.8	1464.8	1465.5	1464.7	1463.9	1463.2	1462.4	1461.9
157.5°	1484.4	1486.5	1488.6	1490.7	1492.8	1493.4	1492.6	1491.8	1490.9	1490.1	1490.1
160°	1502.3	1504.4	1506.4	1508.5	1510.7	1511.2	1510.1	1509.0	1508.0	1506.9	1506.7
162.5°	1518.2	1520.6	1522.8	1525.1	1527.4	1527.8	1526.4	1524.9	1523.5	1522.0	1521.8
165°	1539.8	1541.9	1544.0	1546.1	1548.1	1548.4	1546.9	1545.3	1543.8	1542.2	1541.9
167.5°	1554.9	1557.2	1559.5	1561.9	1564.3	1564.5	1562.6	1560.7	1558.8	1557.0	1556.7
170°	1563.3	1565.7	1568.0	1570.3	1572.7	1572.9	1570.7	1568.6	1566.6	1564.5	1564.2
172.5°	1568.9	1571.2	1573.7	1576.0	1578.3	1578.5	1576.7	1574.8	1573.0	1571.0	1570.5
175°	1576.2	1578.5	1580.9	1583.3	1585.6	1585.7	1583.7	1581.5	1579.4	1577.4	1577.1
177.5°	1580.4	1582.1	1583.8	1585.5	1587.1	1587.2	1585.8	1584.3	1582.9	1581.3	1581.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	929.9	927.8	925.3	921.0	915.7	913.0	908.8	905.9	900.4	895.9	890.9
5°	977.0	967.1	958.0	946.0	933.0	924.5	914.5	903.4	891.9	880.0	867.0
7.5°	1025.9	1008.4	989.2	968.5	948.4	929.8	912.0	894.6	878.4	858.7	842.0
10°	1058.8	1036.5	1012.8	984.7	957.6	933.7	909.6	888.5	867.0	843.9	823.6
12.5°	1091.7	1062.0	1028.4	997.6	964.9	936.2	907.8	880.8	853.8	828.3	804.7
15°	1114.8	1088.7	1057.6	1013.9	977.0	937.6	900.0	865.1	832.4	804.1	774.2
17.5°	1130.0	1096.5	1063.1	1021.2	972.9	928.7	886.1	846.2	809.4	773.4	744.6
20°	1132.9	1098.3	1063.4	1022.4	972.9	922.2	879.7	831.7	792.1	755.0	719.6
22.5°	1132.0	1092.8	1054.8	1012.5	964.3	917.7	866.2	817.3	774.4	737.8	700.9
25°	1123.3	1081.5	1033.9	991.3	943.7	894.2	842.0	791.4	747.7	705.9	669.4
27.5°	1116.0	1061.8	1007.9	958.3	912.3	867.0	817.1	765.2	716.7	674.3	640.0
30°	1107.1	1047.6	987.0	935.2	888.1	843.9	796.8	746.2	695.5	654.1	617.2
32.5°	1099.1	1029.9	965.9	909.5	859.6	816.7	773.2	725.0	675.3	633.2	596.4
35°	1083.8	1003.6	930.3	866.6	813.2	769.2	732.8	687.8	642.2	601.5	566.2
37.5°	1064.2	969.1	890.4	823.6	765.2	718.7	684.8	650.4	606.5	567.3	535.4
40°	1048.8	944.5	861.2	792.9	732.4	684.0	652.6	620.0	583.5	547.0	513.3
42.5°	1029.5	922.4	831.7	758.3	698.3	651.2	618.1	590.5	558.4	524.3	493.0
45°	994.0	882.3	784.2	705.1	644.5	598.0	563.9	543.2	519.1	486.9	460.4
47.5°	941.7	834.2	732.7	651.1	588.5	545.5	513.5	493.6	476.7	452.7	428.7
50°	895.3	798.3	695.5	614.6	552.0	508.7	479.2	461.1	446.6	428.1	407.8
52.5°	843.5	753.2	659.0	579.0	517.1	474.3	445.4	429.5	417.4	404.1	384.2
55°	761.1	684.4	596.9	521.0	463.8	422.0	396.7	382.8	372.8	362.9	350.6
57.5°	670.3	610.4	532.8	463.4	410.8	372.7	349.1	335.7	327.9	322.8	315.6
60°	606.5	555.1	488.4	425.1	373.7	339.9	316.9	306.5	300.0	295.8	290.4
62.5°	547.2	505.0	443.2	385.5	340.5	308.6	288.0	278.0	271.8	269.7	265.2
65°	460.0	427.4	376.4	328.4	290.0	262.8	245.5	235.9	232.1	229.7	230.1
67.5°	374.0	354.1	313.2	272.3	241.6	218.7	204.9	197.5	195.6	192.6	192.5
70°	321.4	306.5	272.0	236.3	209.0	191.5	179.2	171.5	169.6	168.0	167.6
72.5°	275.1	262.1	232.1	203.5	179.0	163.5	153.4	148.8	145.6	144.7	144.6
75°	206.8	199.4	175.7	153.1	136.2	125.4	118.6	114.3	112.0	111.6	112.0
77.5°	147.0	140.7	125.5	109.5	98.9	90.7	84.8	83.4	80.8	80.9	80.5
80°	110.5	106.2	96.6	84.0	75.2	68.3	65.2	62.5	61.8	60.6	61.8
82.5°	80.1	75.5	69.1	61.0	53.7	49.6	46.5	45.6	45.1	44.6	44.8
85°	39.5	39.9	36.1	29.9	26.9	24.5	22.6	22.6	22.2	21.9	22.2
87.5°	16.6	15.6	13.9	12.6	10.7	9.4	8.6	8.5	8.0	8.1	8.9
90°	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2	3.2	5.4	7.5
92.5°	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1	16.7	15.1	13.7
95°	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9	66.1	65.3	64.5
97.5°	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7	141.1	142.5	143.9
100°	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0	196.8	197.5	198.3
102.5°	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3	254.3	255.3	256.2
105°	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1	346.1	347.1	348.2
107.5°	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4
110°	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3



TEST NUMBER: P333196-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	564.1	563.8	563.5	563.0	562.4	561.8	561.2	560.6	561.2	561.8	562.4
115°	654.4	654.1	653.9	653.1	651.8	650.5	649.1	647.8	649.1	650.5	651.8
117.5°	740.4	739.5	738.5	738.0	738.1	738.1	738.2	738.2	738.2	738.1	738.1
120°	795.4	794.6	793.8	793.6	793.8	794.1	794.3	794.6	794.3	794.1	793.8
122.5°	849.7	849.3	849.0	848.3	847.3	846.3	845.4	844.3	845.4	846.3	847.3
125°	929.5	929.5	929.5	928.6	926.8	924.9	923.1	921.3	923.1	924.9	926.8
127.5°	1000.3	1000.4	1000.6	1000.0	998.7	997.3	996.1	994.8	996.1	997.3	998.7
130°	1046.4	1046.1	1045.8	1045.1	1043.8	1042.5	1041.2	1039.9	1041.2	1042.5	1043.8
132.5°	1090.3	1090.9	1091.5	1091.0	1089.4	1087.9	1086.4	1084.9	1086.4	1087.9	1089.4
135°	1154.8	1155.3	1155.8	1155.3	1153.7	1152.2	1150.5	1149.0	1150.5	1152.2	1153.7
137.5°	1212.8	1213.4	1213.8	1213.4	1211.9	1210.6	1209.3	1207.9	1209.3	1210.6	1211.9
140°	1248.1	1248.4	1248.6	1248.5	1248.0	1247.5	1247.0	1246.4	1247.0	1247.5	1248.0
142.5°	1283.4	1283.1	1282.7	1282.4	1282.1	1281.8	1281.4	1281.1	1281.4	1281.8	1282.1
145°	1334.4	1334.4	1334.4	1334.1	1333.6	1333.1	1332.6	1332.1	1332.6	1333.1	1333.6
147.5°	1377.0	1376.6	1376.3	1376.2	1376.3	1376.4	1376.5	1376.6	1376.5	1376.4	1376.3
150°	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1404.3	1403.8	1403.3
152.5°	1428.3	1427.7	1427.1	1427.4	1428.7	1429.8	1431.0	1432.1	1431.0	1429.8	1428.7
155°	1461.3	1460.8	1460.3	1460.8	1462.4	1463.9	1465.5	1467.0	1465.5	1463.9	1462.4
157.5°	1490.0	1490.0	1489.9	1490.3	1491.3	1492.2	1493.1	1494.1	1493.1	1492.2	1491.3
160°	1506.4	1506.2	1505.9	1506.6	1508.1	1509.7	1511.3	1512.9	1511.3	1509.7	1508.1
162.5°	1521.5	1521.2	1521.0	1521.6	1523.2	1524.7	1526.3	1527.8	1526.3	1524.7	1523.2
165°	1541.7	1541.4	1541.2	1541.8	1543.4	1544.9	1546.5	1548.0	1546.5	1544.9	1543.4
167.5°	1556.4	1556.2	1555.9	1556.6	1558.2	1559.8	1561.5	1563.1	1561.5	1559.8	1558.2
170°	1564.0	1563.7	1563.5	1564.2	1566.0	1567.8	1569.7	1571.6	1569.7	1567.8	1566.0
172.5°	1570.1	1569.6	1569.1	1569.8	1571.7	1573.5	1575.3	1577.1	1575.3	1573.5	1571.7
175°	1576.9	1576.6	1576.3	1577.0	1578.5	1580.1	1581.7	1583.3	1581.7	1580.1	1578.5
177.5°	1580.9	1580.7	1580.5	1581.0	1582.4	1583.6	1584.8	1586.1	1584.8	1583.6	1582.4
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333196-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	888.2	884.7	882.0	875.9	872.5	867.9	864.2	868.2	863.9	865.8	863.0
5°	860.5	849.7	842.0	830.9	821.3	812.5	806.0	804.9	801.7	800.2	795.7
7.5°	827.2	813.7	800.5	786.0	773.7	761.2	753.2	746.6	742.3	736.5	732.6
10°	807.5	789.5	774.2	756.5	741.1	727.7	717.0	711.7	706.6	699.3	696.7
12.5°	783.3	764.7	745.9	727.0	712.4	697.3	688.1	680.0	676.6	668.3	667.5
15°	754.2	726.2	707.8	688.6	668.2	656.0	648.3	639.5	635.7	630.0	625.7
17.5°	719.5	694.5	671.5	651.7	634.2	623.9	614.3	608.2	601.7	597.9	591.0
20°	694.4	670.6	647.5	626.4	613.0	601.2	593.5	587.7	580.8	578.9	572.0
22.5°	673.2	646.9	624.8	607.1	592.5	579.1	570.8	566.8	562.1	556.1	554.8
25°	638.7	611.5	592.7	575.0	562.0	549.8	544.0	539.0	534.4	530.2	528.7
27.5°	608.9	584.6	562.3	546.3	535.0	523.8	518.8	512.7	509.3	505.9	501.8
30°	588.1	563.2	543.6	528.3	515.9	506.0	500.6	496.4	493.3	490.3	488.0
32.5°	566.6	543.5	524.5	509.6	497.3	489.8	484.9	482.0	478.6	474.9	472.0
35°	538.3	512.9	494.5	481.4	471.8	466.1	460.7	458.1	454.2	454.2	451.1
37.5°	506.2	484.3	468.1	456.2	447.6	442.4	436.7	434.8	432.3	430.7	429.7
40°	487.2	466.9	451.5	439.6	430.4	426.2	421.6	418.5	417.0	415.1	414.3
42.5°	467.6	448.2	433.4	422.4	414.4	410.8	406.6	404.5	401.3	398.8	398.4
45°	437.7	418.9	405.5	396.7	389.8	385.6	382.8	378.3	376.7	373.7	373.2
47.5°	409.4	391.3	378.2	370.9	364.9	361.4	357.2	352.6	350.8	349.3	349.2
50°	388.2	371.7	359.4	352.5	346.8	341.8	337.6	334.6	333.4	333.4	334.2
52.5°	366.8	352.7	342.2	333.9	328.4	323.1	319.2	317.3	315.6	317.4	318.8
55°	335.3	321.1	313.5	305.4	300.0	293.9	292.0	291.1	290.0	293.1	294.6
57.5°	301.9	292.1	283.1	275.1	270.2	266.7	264.1	263.7	265.8	267.2	272.3
60°	280.8	269.3	261.3	255.1	249.3	247.0	246.3	245.5	247.0	251.3	257.8
62.5°	257.5	248.1	239.4	234.9	230.7	226.8	226.6	227.1	230.1	235.0	241.6
65°	223.3	215.2	209.4	204.1	200.7	198.3	199.1	200.7	204.1	210.7	217.9
67.5°	188.5	183.0	177.8	173.5	170.2	170.2	171.0	173.3	177.3	184.8	191.5
70°	166.1	160.0	155.7	153.8	151.2	149.7	151.9	155.7	159.2	166.1	171.9
72.5°	143.7	138.5	135.2	133.9	132.7	131.5	132.3	136.4	141.1	148.0	154.7
75°	110.5	108.6	106.2	104.7	103.6	104.3	105.1	109.0	112.8	120.1	127.7
77.5°	80.7	78.7	77.3	76.9	76.2	76.6	78.8	81.6	85.4	90.7	96.5
80°	61.0	60.2	59.5	59.1	59.1	59.5	62.5	64.4	67.9	72.9	77.5
82.5°	44.4	43.9	43.8	43.7	44.0	44.1	45.9	48.5	51.3	55.1	59.1
85°	23.4	22.6	23.8	24.1	23.4	24.5	25.3	26.9	28.0	29.9	31.8
87.5°	9.6	10.6	10.6	11.3	11.7	12.6	12.6	14.1	14.9	15.9	15.8
90°	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4	22.7	24.0	25.0
92.5°	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4	22.7	24.0	24.8
95°	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4	22.7	24.0	24.6
97.5°	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0	35.6	28.3	24.6
100°	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5	87.7	48.8	28.8
102.5°	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8	238.5	231.2	218.6
105°	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.6
107.5°	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8	442.8	442.9	442.5
110°	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1	502.3	501.5	501.3



TEST NUMBER: P333196-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	563.0	563.5	563.8	564.1	564.4	564.7	563.8	562.8	561.8	560.8	560.1
115°	653.1	653.9	654.1	654.4	654.6	654.9	653.9	652.8	651.8	650.8	649.4
117.5°	738.0	738.5	739.5	740.4	741.4	742.5	741.1	739.7	738.4	737.0	736.0
120°	793.6	793.8	794.6	795.4	796.1	796.9	796.4	795.9	795.4	794.9	794.0
122.5°	848.3	849.0	849.3	849.7	850.1	850.4	849.9	849.4	848.9	848.4	847.3
125°	928.6	929.5	929.5	929.5	929.5	929.5	928.5	927.5	926.3	925.3	924.4
127.5°	1000.0	1000.6	1000.4	1000.3	1000.1	1000.0	999.4	998.8	998.3	997.6	996.4
130°	1045.1	1045.8	1046.1	1046.4	1046.6	1046.9	1046.1	1045.3	1044.5	1043.8	1042.7
132.5°	1091.0	1091.5	1090.9	1090.3	1089.7	1089.1	1089.0	1088.8	1088.6	1088.5	1087.8
135°	1155.3	1155.8	1155.3	1154.8	1154.2	1153.7	1153.2	1152.7	1152.2	1151.7	1150.5
137.5°	1213.4	1213.8	1213.4	1212.8	1212.3	1211.9	1212.0	1212.1	1212.2	1212.3	1211.7
140°	1248.5	1248.6	1248.4	1248.1	1247.9	1247.6	1248.1	1248.6	1249.1	1249.7	1249.1
142.5°	1282.4	1282.7	1283.1	1283.4	1283.8	1284.2	1284.3	1284.4	1284.5	1284.6	1283.9
145°	1334.1	1334.4	1334.4	1334.4	1334.4	1334.4	1334.7	1334.9	1335.2	1335.4	1334.8
147.5°	1376.2	1376.3	1376.6	1377.0	1377.4	1377.7	1378.0	1378.3	1378.6	1378.9	1378.1
150°	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1405.3	1405.9	1406.4	1406.9	1406.1
152.5°	1427.4	1427.1	1427.7	1428.3	1428.8	1429.3	1429.8	1430.3	1430.9	1431.4	1430.7
155°	1460.8	1460.3	1460.8	1461.3	1461.9	1462.4	1463.2	1463.9	1464.7	1465.5	1464.8
157.5°	1490.3	1489.9	1490.0	1490.0	1490.1	1490.1	1490.9	1491.8	1492.6	1493.4	1492.8
160°	1506.6	1505.9	1506.2	1506.4	1506.7	1506.9	1508.0	1509.0	1510.1	1511.2	1510.7
162.5°	1521.6	1521.0	1521.2	1521.5	1521.8	1522.0	1523.5	1524.9	1526.4	1527.8	1527.4
165°	1541.8	1541.2	1541.4	1541.7	1541.9	1542.2	1543.8	1545.3	1546.9	1548.4	1548.1
167.5°	1556.6	1555.9	1556.2	1556.4	1556.7	1557.0	1558.8	1560.7	1562.6	1564.5	1564.3
170°	1564.2	1563.5	1563.7	1564.0	1564.2	1564.5	1566.6	1568.6	1570.7	1572.9	1572.7
172.5°	1569.8	1569.1	1569.6	1570.1	1570.5	1571.0	1573.0	1574.8	1576.7	1578.5	1578.3
175°	1577.0	1576.3	1576.6	1576.9	1577.1	1577.4	1579.4	1581.5	1583.7	1585.7	1585.6
177.5°	1581.0	1580.5	1580.7	1580.9	1581.1	1581.3	1582.9	1584.3	1585.8	1587.2	1587.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333196-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	861.1	863.3	861.5	863.9	861.5	863.3	861.1	863.0	865.8	863.9	868.2
5°	793.8	790.2	792.5	791.0	792.5	790.2	793.8	795.7	800.2	801.7	804.9
7.5°	731.4	728.1	724.4	722.6	724.4	728.1	731.4	732.6	736.5	742.3	746.6
10°	692.5	688.2	687.8	685.2	687.8	688.2	692.5	696.7	699.3	706.6	711.7
12.5°	663.9	659.9	655.6	654.5	655.6	659.9	663.9	667.5	668.3	676.6	680.0
15°	623.4	620.4	617.6	620.0	617.6	620.4	623.4	625.7	630.0	635.7	639.5
17.5°	589.7	587.1	586.7	583.9	586.7	587.1	589.7	591.0	597.9	601.7	608.2
20°	568.6	566.6	567.3	562.4	567.3	566.6	568.6	572.0	578.9	580.8	587.7
22.5°	551.7	547.9	547.4	546.4	547.4	547.9	551.7	554.8	556.1	562.1	566.8
25°	525.2	523.3	521.4	523.3	521.4	523.3	525.2	528.7	530.2	534.4	539.0
27.5°	502.1	499.8	499.3	499.5	499.3	499.8	502.1	501.8	505.9	509.3	512.7
30°	488.0	484.1	484.5	484.1	484.5	484.1	488.0	488.0	490.3	493.3	496.4
32.5°	472.6	470.0	469.5	468.8	469.5	470.0	472.6	472.0	474.9	478.6	482.0
35°	450.0	450.0	448.1	448.1	448.1	450.0	450.0	451.1	454.2	454.2	458.1
37.5°	428.7	428.4	427.2	427.4	427.2	428.4	428.7	429.7	430.7	432.3	434.8
40°	412.7	412.4	411.2	408.9	411.2	412.4	412.7	414.3	415.1	417.0	418.5
42.5°	397.5	396.2	395.6	394.9	395.6	396.2	397.5	398.4	398.8	401.3	404.5
45°	373.2	373.2	372.5	372.1	372.5	373.2	373.2	373.2	373.7	376.7	378.3
47.5°	349.8	350.5	351.9	351.7	351.9	350.5	349.8	349.2	349.3	350.8	352.6
50°	335.7	336.1	337.2	337.6	337.2	336.1	335.7	334.2	333.4	333.4	334.6
52.5°	320.0	322.2	323.7	323.5	323.7	322.2	320.0	318.8	317.4	315.6	317.3
55°	298.1	300.7	303.5	303.9	303.5	300.7	298.1	294.6	293.1	290.0	291.1
57.5°	276.4	280.1	283.0	283.9	283.0	280.1	276.4	272.3	267.2	265.8	263.7
60°	261.7	266.6	270.0	271.7	270.0	266.6	261.7	257.8	251.3	247.0	245.5
62.5°	247.5	253.1	256.6	256.9	256.6	253.1	247.5	241.6	235.0	230.1	227.1
65°	224.4	230.1	233.3	235.5	233.3	230.1	224.4	217.9	210.7	204.1	200.7
67.5°	199.5	205.3	208.7	210.6	208.7	205.3	199.5	191.5	184.8	177.3	173.3
70°	181.5	187.2	191.8	193.4	191.8	187.2	181.5	171.9	166.1	159.2	155.7
72.5°	163.7	168.7	172.5	174.3	172.5	168.7	163.7	154.7	148.0	141.1	136.4
75°	132.7	139.7	143.1	145.0	143.1	139.7	132.7	127.7	120.1	112.8	109.0
77.5°	102.4	108.7	110.7	111.7	110.7	108.7	102.4	96.5	90.7	85.4	81.6
80°	82.1	85.9	88.7	89.0	88.7	85.9	82.1	77.5	72.9	67.9	64.4
82.5°	63.1	66.2	67.2	68.2	67.2	66.2	63.1	59.1	55.1	51.3	48.5
85°	34.5	36.1	36.5	36.1	36.5	36.1	34.5	31.8	29.9	28.0	26.9
87.5°	16.6	16.4	16.6	17.3	16.6	16.4	16.6	15.8	15.9	14.9	14.1
90°	25.9	26.6	27.4	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4
92.5°	25.1	25.5	26.0	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4
95°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4
97.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0
100°	27.8	26.8	25.7	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5
102.5°	200.9	183.1	165.4	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8
105°	349.3	349.1	348.8	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7
107.5°	441.7	441.0	440.2	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8
110°	501.5	501.8	502.1	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1



TEST NUMBER: P333196-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	559.8	559.4	559.1	558.7	559.1	559.4	559.8	560.1	560.8	561.8	562.8
115°	647.8	646.3	644.7	643.2	644.7	646.3	647.8	649.4	650.8	651.8	652.8
117.5°	735.3	734.7	734.0	733.3	734.0	734.7	735.3	736.0	737.0	738.4	739.7
120°	792.6	791.3	790.0	788.7	790.0	791.3	792.6	794.0	794.9	795.4	795.9
122.5°	845.8	844.2	842.8	841.3	842.8	844.2	845.8	847.3	848.4	848.9	849.4
125°	923.6	922.9	922.1	921.3	922.1	922.9	923.6	924.4	925.3	926.3	927.5
127.5°	994.5	992.5	990.6	988.7	990.6	992.5	994.5	996.4	997.6	998.3	998.8
130°	1041.4	1040.2	1038.8	1037.5	1038.8	1040.2	1041.4	1042.7	1043.8	1044.5	1045.3
132.5°	1086.5	1085.2	1083.9	1082.6	1083.9	1085.2	1086.5	1087.8	1088.5	1088.6	1088.8
135°	1149.0	1147.4	1145.9	1144.3	1145.9	1147.4	1149.0	1150.5	1151.7	1152.2	1152.7
137.5°	1210.3	1209.0	1207.6	1206.3	1207.6	1209.0	1210.3	1211.7	1212.3	1212.2	1212.1
140°	1247.6	1246.1	1244.5	1242.9	1244.5	1246.1	1247.6	1249.1	1249.7	1249.1	1248.6
142.5°	1282.3	1280.8	1279.2	1277.7	1279.2	1280.8	1282.3	1283.9	1284.6	1284.5	1284.4
145°	1333.2	1331.7	1330.1	1328.6	1330.1	1331.7	1333.2	1334.8	1335.4	1335.2	1334.9
147.5°	1376.2	1374.3	1372.5	1370.6	1372.5	1374.3	1376.2	1378.1	1378.9	1378.6	1378.3
150°	1404.1	1402.0	1399.9	1397.9	1399.9	1402.0	1404.1	1406.1	1406.9	1406.4	1405.9
152.5°	1428.8	1426.9	1425.0	1423.2	1425.0	1426.9	1428.8	1430.7	1431.4	1430.9	1430.3
155°	1462.8	1460.7	1458.5	1456.5	1458.5	1460.7	1462.8	1464.8	1465.5	1464.7	1463.9
157.5°	1490.7	1488.6	1486.5	1484.4	1486.5	1488.6	1490.7	1492.8	1493.4	1492.6	1491.8
160°	1508.5	1506.4	1504.4	1502.3	1504.4	1506.4	1508.5	1510.7	1511.2	1510.1	1509.0
162.5°	1525.1	1522.8	1520.6	1518.2	1520.6	1522.8	1525.1	1527.4	1527.8	1526.4	1524.9
165°	1546.1	1544.0	1541.9	1539.8	1541.9	1544.0	1546.1	1548.1	1548.4	1546.9	1545.3
167.5°	1561.9	1559.5	1557.2	1554.9	1557.2	1559.5	1561.9	1564.3	1564.5	1562.6	1560.7
170°	1570.3	1568.0	1565.7	1563.3	1565.7	1568.0	1570.3	1572.7	1572.9	1570.7	1568.6
172.5°	1576.0	1573.7	1571.2	1568.9	1571.2	1573.7	1576.0	1578.3	1578.5	1576.7	1574.8
175°	1583.3	1580.9	1578.5	1576.2	1578.5	1580.9	1583.3	1585.6	1585.7	1583.7	1581.5
177.5°	1585.5	1583.8	1582.1	1580.4	1582.1	1583.8	1585.5	1587.1	1587.2	1585.8	1584.3
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333196-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	864.2	867.9	872.5	875.9	882.0	884.7	888.2	890.9	895.9	900.4	905.9
5°	806.0	812.5	821.3	830.9	842.0	849.7	860.5	867.0	880.0	891.9	903.4
7.5°	753.2	761.2	773.7	786.0	800.5	813.7	827.2	842.0	858.7	878.4	894.6
10°	717.0	727.7	741.1	756.5	774.2	789.5	807.5	823.6	843.9	867.0	888.5
12.5°	688.1	697.3	712.4	727.0	745.9	764.7	783.3	804.7	828.3	853.8	880.8
15°	648.3	656.0	668.2	688.6	707.8	726.2	754.2	774.2	804.1	832.4	865.1
17.5°	614.3	623.9	634.2	651.7	671.5	694.5	719.5	744.6	773.4	809.4	846.2
20°	593.5	601.2	613.0	626.4	647.5	670.6	694.4	719.6	755.0	792.1	831.7
22.5°	570.8	579.1	592.5	607.1	624.8	646.9	673.2	700.9	737.8	774.4	817.3
25°	544.0	549.8	562.0	575.0	592.7	611.5	638.7	669.4	705.9	747.7	791.4
27.5°	518.8	523.8	535.0	546.3	562.3	584.6	608.9	640.0	674.3	716.7	765.2
30°	500.6	506.0	515.9	528.3	543.6	563.2	588.1	617.2	654.1	695.5	746.2
32.5°	484.9	489.8	497.3	509.6	524.5	543.5	566.6	596.4	633.2	675.3	725.0
35°	460.7	466.1	471.8	481.4	494.5	512.9	538.3	566.2	601.5	642.2	687.8
37.5°	436.7	442.4	447.6	456.2	468.1	484.3	506.2	535.4	567.3	606.5	650.4
40°	421.6	426.2	430.4	439.6	451.5	466.9	487.2	513.3	547.0	583.5	620.0
42.5°	406.6	410.8	414.4	422.4	433.4	448.2	467.6	493.0	524.3	558.4	590.5
45°	382.8	385.6	389.8	396.7	405.5	418.9	437.7	460.4	486.9	519.1	543.2
47.5°	357.2	361.4	364.9	370.9	378.2	391.3	409.4	428.7	452.7	476.7	493.6
50°	337.6	341.8	346.8	352.5	359.4	371.7	388.2	407.8	428.1	446.6	461.1
52.5°	319.2	323.1	328.4	333.9	342.2	352.7	366.8	384.2	404.1	417.4	429.5
55°	292.0	293.9	300.0	305.4	313.5	321.1	335.3	350.6	362.9	372.8	382.8
57.5°	264.1	266.7	270.2	275.1	283.1	292.1	301.9	315.6	322.8	327.9	335.7
60°	246.3	247.0	249.3	255.1	261.3	269.3	280.8	290.4	295.8	300.0	306.5
62.5°	226.6	226.8	230.7	234.9	239.4	248.1	257.5	265.2	269.7	271.8	278.0
65°	199.1	198.3	200.7	204.1	209.4	215.2	223.3	230.1	229.7	232.1	235.9
67.5°	171.0	170.2	170.2	173.5	177.8	183.0	188.5	192.5	192.6	195.6	197.5
70°	151.9	149.7	151.2	153.8	155.7	160.0	166.1	167.6	168.0	169.6	171.5
72.5°	132.3	131.5	132.7	133.9	135.2	138.5	143.7	144.6	144.7	145.6	148.8
75°	105.1	104.3	103.6	104.7	106.2	108.6	110.5	112.0	111.6	112.0	114.3
77.5°	78.8	76.6	76.2	76.9	77.3	78.7	80.7	80.5	80.9	80.8	83.4
80°	62.5	59.5	59.1	59.1	59.5	60.2	61.0	61.8	60.6	61.8	62.5
82.5°	45.9	44.1	44.0	43.7	43.8	43.9	44.4	44.8	44.6	45.1	45.6
85°	25.3	24.5	23.4	24.1	23.8	22.6	23.4	22.2	21.9	22.2	22.6
87.5°	12.6	12.6	11.7	11.3	10.6	10.6	9.6	8.9	8.1	8.0	8.5
90°	20.1	18.8	17.0	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2
92.5°	20.1	18.8	17.2	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1
95°	20.1	18.8	28.7	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9
97.5°	50.4	57.8	77.4	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7
100°	165.3	204.2	203.2	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0
102.5°	253.2	260.5	259.9	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3
105°	349.7	349.7	349.7	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1
107.5°	442.7	442.7	442.2	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4
110°	503.9	504.6	504.1	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3



TEST NUMBER: P333196-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	563.8	564.7	564.4	564.1	563.8	563.5	563.0	562.4	561.8	561.2	560.6
115°	653.9	654.9	654.6	654.4	654.1	653.9	653.1	651.8	650.5	649.1	647.8
117.5°	741.1	742.5	741.4	740.4	739.5	738.5	738.0	738.1	738.1	738.2	738.2
120°	796.4	796.9	796.1	795.4	794.6	793.8	793.6	793.8	794.1	794.3	794.6
122.5°	849.9	850.4	850.1	849.7	849.3	849.0	848.3	847.3	846.3	845.4	844.3
125°	928.5	929.5	929.5	929.5	929.5	929.5	928.6	926.8	924.9	923.1	921.3
127.5°	999.4	1000.0	1000.1	1000.3	1000.4	1000.6	1000.0	998.7	997.3	996.1	994.8
130°	1046.1	1046.9	1046.6	1046.4	1046.1	1045.8	1045.1	1043.8	1042.5	1041.2	1039.9
132.5°	1089.0	1089.1	1089.7	1090.3	1090.9	1091.5	1091.0	1089.4	1087.9	1086.4	1084.9
135°	1153.2	1153.7	1154.2	1154.8	1155.3	1155.8	1155.3	1153.7	1152.2	1150.5	1149.0
137.5°	1212.0	1211.9	1212.3	1212.8	1213.4	1213.8	1213.4	1211.9	1210.6	1209.3	1207.9
140°	1248.1	1247.6	1247.9	1248.1	1248.4	1248.6	1248.5	1248.0	1247.5	1247.0	1246.4
142.5°	1284.3	1284.2	1283.8	1283.4	1283.1	1282.7	1282.4	1282.1	1281.8	1281.4	1281.1
145°	1334.7	1334.4	1334.4	1334.4	1334.4	1334.4	1334.1	1333.6	1333.1	1332.6	1332.1
147.5°	1378.0	1377.7	1377.4	1377.0	1376.6	1376.3	1376.2	1376.3	1376.4	1376.5	1376.6
150°	1405.3	1404.8	1404.3	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8
152.5°	1429.8	1429.3	1428.8	1428.3	1427.7	1427.1	1427.4	1428.7	1429.8	1431.0	1432.1
155°	1463.2	1462.4	1461.9	1461.3	1460.8	1460.3	1460.8	1462.4	1463.9	1465.5	1467.0
157.5°	1490.9	1490.1	1490.1	1490.0	1490.0	1489.9	1490.3	1491.3	1492.2	1493.1	1494.1
160°	1508.0	1506.9	1506.7	1506.4	1506.2	1505.9	1506.6	1508.1	1509.7	1511.3	1512.9
162.5°	1523.5	1522.0	1521.8	1521.5	1521.2	1521.0	1521.6	1523.2	1524.7	1526.3	1527.8
165°	1543.8	1542.2	1541.9	1541.7	1541.4	1541.2	1541.8	1543.4	1544.9	1546.5	1548.0
167.5°	1558.8	1557.0	1556.7	1556.4	1556.2	1555.9	1556.6	1558.2	1559.8	1561.5	1563.1
170°	1566.6	1564.5	1564.2	1564.0	1563.7	1563.5	1564.2	1566.0	1567.8	1569.7	1571.6
172.5°	1573.0	1571.0	1570.5	1570.1	1569.6	1569.1	1569.8	1571.7	1573.5	1575.3	1577.1
175°	1579.4	1577.4	1577.1	1576.9	1576.6	1576.3	1577.0	1578.5	1580.1	1581.7	1583.3
177.5°	1582.9	1581.3	1581.1	1580.9	1580.7	1580.5	1581.0	1582.4	1583.6	1584.8	1586.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333196-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	908.8	913.0	915.7	921.0	925.3	927.8	929.9	931.7	933.9	935.7	941.0
5°	914.5	924.5	933.0	946.0	958.0	967.1	977.0	985.9	993.2	1003.6	1011.6
7.5°	912.0	929.8	948.4	968.5	989.2	1008.4	1025.9	1042.5	1057.4	1075.5	1091.4
10°	909.6	933.7	957.6	984.7	1012.8	1036.5	1058.8	1081.5	1097.9	1121.0	1140.5
12.5°	907.8	936.2	964.9	997.6	1028.4	1062.0	1091.7	1108.1	1133.3	1151.7	1174.9
15°	900.0	937.6	977.0	1013.9	1057.6	1088.7	1114.8	1147.0	1170.4	1193.9	1219.1
17.5°	886.1	928.7	972.9	1021.2	1063.1	1096.5	1130.0	1161.1	1189.1	1220.4	1252.0
20°	879.7	922.2	972.9	1022.4	1063.4	1098.3	1132.9	1167.0	1197.7	1238.0	1274.3
22.5°	866.2	917.7	964.3	1012.5	1054.8	1092.8	1132.0	1170.6	1211.4	1257.0	1302.6
25°	842.0	894.2	943.7	991.3	1033.9	1081.5	1123.3	1175.1	1227.2	1287.5	1344.2
27.5°	817.1	867.0	912.3	958.3	1007.9	1061.8	1116.0	1174.8	1243.1	1319.1	1399.3
30°	796.8	843.9	888.1	935.2	987.0	1047.6	1107.1	1177.0	1256.0	1341.5	1436.6
32.5°	773.2	816.7	859.6	909.5	965.9	1029.9	1099.1	1175.7	1270.7	1368.0	1465.8
35°	732.8	769.2	813.2	866.6	930.3	1003.6	1083.8	1174.3	1283.2	1394.8	1477.3
37.5°	684.8	718.7	765.2	823.6	890.4	969.1	1064.2	1171.5	1287.3	1376.2	1402.9
40°	652.6	684.0	732.4	792.9	861.2	944.5	1048.8	1162.4	1274.3	1331.2	1309.3
42.5°	618.1	651.2	698.3	758.3	831.7	922.4	1029.5	1143.1	1237.0	1258.4	1182.9
45°	563.9	598.0	644.5	705.1	784.2	882.3	994.0	1097.1	1151.2	1112.5	995.5
47.5°	513.5	545.5	588.5	651.1	732.7	834.2	941.7	1024.0	1028.3	935.8	810.9
50°	479.2	508.7	552.0	614.6	695.5	798.3	895.3	960.2	931.1	826.4	706.3
52.5°	445.4	474.3	517.1	579.0	659.0	753.2	843.5	889.0	834.0	726.6	624.0
55°	396.7	422.0	463.8	521.0	596.9	684.4	761.1	776.8	705.5	599.6	516.3
57.5°	349.1	372.7	410.8	463.4	532.8	610.4	670.3	667.0	591.6	500.7	434.6
60°	316.9	339.9	373.7	425.1	488.4	555.1	606.5	594.2	519.5	441.2	385.6
62.5°	288.0	308.6	340.5	385.5	443.2	505.0	547.2	529.2	455.9	387.5	343.5
65°	245.5	262.8	290.0	328.4	376.4	427.4	460.0	436.6	374.1	320.7	285.4
67.5°	204.9	218.7	241.6	272.3	313.2	354.1	374.0	350.4	300.3	261.5	235.3
70°	179.2	191.5	209.0	236.3	272.0	306.5	321.4	300.3	257.4	224.0	205.2
72.5°	153.4	163.5	179.0	203.5	232.1	262.1	275.1	255.0	219.6	191.5	173.9
75°	118.6	125.4	136.2	153.1	175.7	199.4	206.8	189.1	166.5	145.4	133.9
77.5°	84.8	90.7	98.9	109.5	125.5	140.7	147.0	136.8	119.3	105.9	96.5
80°	65.2	68.3	75.2	84.0	96.6	106.2	110.5	103.9	91.7	81.7	74.4
82.5°	46.5	49.6	53.7	61.0	69.1	75.5	80.1	75.7	66.9	59.0	54.7
85°	22.6	24.5	26.9	29.9	36.1	39.9	39.5	36.9	33.3	30.3	28.0
87.5°	8.6	9.4	10.7	12.6	13.9	15.6	16.6	16.3	15.5	14.7	14.1
90°	3.2	5.4	7.5	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4
92.5°	16.7	15.1	13.7	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4
95°	66.1	65.3	64.5	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4
97.5°	141.1	142.5	143.9	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0
100°	196.8	197.5	198.3	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5
102.5°	254.3	255.3	256.2	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8
105°	346.1	347.1	348.2	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	440.4	440.4	440.4	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8
110°	502.3	502.3	502.3	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	561.2	561.8	562.4	563.0	563.5	563.8	564.1	564.4	564.7	563.8	562.8
115°	649.1	650.5	651.8	653.1	653.9	654.1	654.4	654.6	654.9	653.9	652.8
117.5°	738.2	738.1	738.1	738.0	738.5	739.5	740.4	741.4	742.5	741.1	739.7
120°	794.3	794.1	793.8	793.6	793.8	794.6	795.4	796.1	796.9	796.4	795.9
122.5°	845.4	846.3	847.3	848.3	849.0	849.3	849.7	850.1	850.4	849.9	849.4
125°	923.1	924.9	926.8	928.6	929.5	929.5	929.5	929.5	929.5	928.5	927.5
127.5°	996.1	997.3	998.7	1000.0	1000.6	1000.4	1000.3	1000.1	1000.0	999.4	998.8
130°	1041.2	1042.5	1043.8	1045.1	1045.8	1046.1	1046.4	1046.6	1046.9	1046.1	1045.3
132.5°	1086.4	1087.9	1089.4	1091.0	1091.5	1090.9	1090.3	1089.7	1089.1	1089.0	1088.8
135°	1150.5	1152.2	1153.7	1155.3	1155.8	1155.3	1154.8	1154.2	1153.7	1153.2	1152.7
137.5°	1209.3	1210.6	1211.9	1213.4	1213.8	1213.4	1212.8	1212.3	1211.9	1212.0	1212.1
140°	1247.0	1247.5	1248.0	1248.5	1248.6	1248.4	1248.1	1247.9	1247.6	1248.1	1248.6
142.5°	1281.4	1281.8	1282.1	1282.4	1282.7	1283.1	1283.4	1283.8	1284.2	1284.3	1284.4
145°	1332.6	1333.1	1333.6	1334.1	1334.4	1334.4	1334.4	1334.4	1334.4	1334.7	1334.9
147.5°	1376.5	1376.4	1376.3	1376.2	1376.3	1376.6	1377.0	1377.4	1377.7	1378.0	1378.3
150°	1404.3	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1405.3	1405.9
152.5°	1431.0	1429.8	1428.7	1427.4	1427.1	1427.7	1428.3	1428.8	1429.3	1429.8	1430.3
155°	1465.5	1463.9	1462.4	1460.8	1460.3	1460.8	1461.3	1461.9	1462.4	1463.2	1463.9
157.5°	1493.1	1492.2	1491.3	1490.3	1489.9	1490.0	1490.0	1490.1	1490.1	1490.9	1491.8
160°	1511.3	1509.7	1508.1	1506.6	1505.9	1506.2	1506.4	1506.7	1506.9	1508.0	1509.0
162.5°	1526.3	1524.7	1523.2	1521.6	1521.0	1521.2	1521.5	1521.8	1522.0	1523.5	1524.9
165°	1546.5	1544.9	1543.4	1541.8	1541.2	1541.4	1541.7	1541.9	1542.2	1543.8	1545.3
167.5°	1561.5	1559.8	1558.2	1556.6	1555.9	1556.2	1556.4	1556.7	1557.0	1558.8	1560.7
170°	1569.7	1567.8	1566.0	1564.2	1563.5	1563.7	1564.0	1564.2	1564.5	1566.6	1568.6
172.5°	1575.3	1573.5	1571.7	1569.8	1569.1	1569.6	1570.1	1570.5	1571.0	1573.0	1574.8
175°	1581.7	1580.1	1578.5	1577.0	1576.3	1576.6	1576.9	1577.1	1577.4	1579.4	1581.5
177.5°	1584.8	1583.6	1582.4	1581.0	1580.5	1580.7	1580.9	1581.1	1581.3	1582.9	1584.3
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	945.2	947.7	952.9	951.1	953.5	954.7	956.0
5°	1021.6	1033.9	1039.3	1038.4	1046.5	1044.6	1042.7
7.5°	1107.8	1120.7	1127.9	1136.9	1142.2	1142.5	1147.0
10°	1156.6	1173.5	1180.4	1190.0	1196.2	1199.6	1199.2
12.5°	1194.1	1207.3	1222.7	1227.5	1235.8	1240.1	1238.5
15°	1239.1	1260.2	1276.3	1284.3	1294.7	1297.8	1302.0
17.5°	1279.3	1307.6	1326.5	1351.4	1360.9	1366.7	1363.2
20°	1309.7	1346.9	1365.7	1395.6	1412.1	1421.0	1417.9
22.5°	1345.6	1385.8	1420.7	1446.5	1471.7	1483.6	1486.0
25°	1407.1	1462.4	1513.4	1547.5	1578.6	1585.9	1602.0
27.5°	1475.9	1541.1	1595.6	1631.4	1653.1	1661.2	1666.3
30°	1519.1	1584.0	1625.1	1648.0	1655.0	1654.2	1653.5
32.5°	1540.3	1580.9	1588.8	1582.4	1566.6	1553.2	1539.2
35°	1510.4	1480.1	1434.7	1376.4	1333.5	1290.1	1285.9
37.5°	1358.4	1261.4	1186.1	1102.0	1053.4	1023.4	1002.6
40°	1215.3	1105.2	1013.9	942.9	893.4	873.9	854.7
42.5°	1060.1	954.8	873.9	814.7	777.5	755.8	740.5
45°	861.2	768.4	705.1	662.2	632.6	615.7	606.1
47.5°	705.7	637.0	583.3	552.3	531.9	518.8	518.8
50°	622.3	556.6	521.0	496.4	478.8	468.4	470.3
52.5°	548.3	499.3	468.8	448.2	435.2	428.8	428.6
55°	458.5	423.1	403.2	388.2	379.4	372.1	373.7
57.5°	392.1	362.3	349.0	336.6	330.4	327.5	323.4
60°	351.0	328.0	316.5	306.5	300.3	298.1	293.9
62.5°	314.5	296.4	285.2	277.0	271.6	270.7	267.4
65°	264.3	250.5	240.5	236.7	231.0	229.4	229.4
67.5°	217.9	208.0	200.3	196.7	194.2	194.6	192.7
70°	188.7	180.7	175.7	171.9	170.0	170.4	168.7
72.5°	165.1	156.1	151.8	149.5	146.9	147.9	147.3
75°	125.0	120.5	118.2	115.8	114.3	113.5	112.8
77.5°	91.8	87.8	86.0	84.7	84.9	83.1	84.5
80°	71.0	67.6	66.3	64.4	64.0	64.0	63.7
82.5°	51.9	50.0	49.2	47.6	46.9	47.5	46.5
85°	26.9	25.3	24.9	24.9	24.1	23.4	25.3
87.5°	14.3	13.4	13.6	13.4	13.6	13.4	13.0
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	22.7	24.0	24.8	25.1	25.5	26.0	26.3
95°	22.7	24.0	24.6	24.6	24.6	24.6	24.6
97.5°	35.6	28.3	24.6	24.6	24.6	24.6	24.6
100°	87.7	48.8	28.8	27.8	26.8	25.7	24.6
102.5°	238.5	231.2	218.6	200.9	183.1	165.4	147.6
105°	349.7	349.7	349.6	349.3	349.1	348.8	348.6
107.5°	442.8	442.9	442.5	441.7	441.0	440.2	439.4
110°	502.3	501.5	501.3	501.5	501.8	502.1	502.3



TEST NUMBER: P333196-840

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	561.8	560.8	560.1	559.8	559.4	559.1	558.7
115°	651.8	650.8	649.4	647.8	646.3	644.7	643.2
117.5°	738.4	737.0	736.0	735.3	734.7	734.0	733.3
120°	795.4	794.9	794.0	792.6	791.3	790.0	788.7
122.5°	848.9	848.4	847.3	845.8	844.2	842.8	841.3
125°	926.3	925.3	924.4	923.6	922.9	922.1	921.3
127.5°	998.3	997.6	996.4	994.5	992.5	990.6	988.7
130°	1044.5	1043.8	1042.7	1041.4	1040.2	1038.8	1037.5
132.5°	1088.6	1088.5	1087.8	1086.5	1085.2	1083.9	1082.6
135°	1152.2	1151.7	1150.5	1149.0	1147.4	1145.9	1144.3
137.5°	1212.2	1212.3	1211.7	1210.3	1209.0	1207.6	1206.3
140°	1249.1	1249.7	1249.1	1247.6	1246.1	1244.5	1242.9
142.5°	1284.5	1284.6	1283.9	1282.3	1280.8	1279.2	1277.7
145°	1335.2	1335.4	1334.8	1333.2	1331.7	1330.1	1328.6
147.5°	1378.6	1378.9	1378.1	1376.2	1374.3	1372.5	1370.6
150°	1406.4	1406.9	1406.1	1404.1	1402.0	1399.9	1397.9
152.5°	1430.9	1431.4	1430.7	1428.8	1426.9	1425.0	1423.2
155°	1464.7	1465.5	1464.8	1462.8	1460.7	1458.5	1456.5
157.5°	1492.6	1493.4	1492.8	1490.7	1488.6	1486.5	1484.4
160°	1510.1	1511.2	1510.7	1508.5	1506.4	1504.4	1502.3
162.5°	1526.4	1527.8	1527.4	1525.1	1522.8	1520.6	1518.2
165°	1546.9	1548.4	1548.1	1546.1	1544.0	1541.9	1539.8
167.5°	1562.6	1564.5	1564.3	1561.9	1559.5	1557.2	1554.9
170°	1570.7	1572.9	1572.7	1570.3	1568.0	1565.7	1563.3
172.5°	1576.7	1578.5	1578.3	1576.0	1573.7	1571.2	1568.9
175°	1583.7	1585.7	1585.6	1583.3	1580.9	1578.5	1576.2
177.5°	1585.8	1587.2	1587.1	1585.5	1583.8	1582.1	1580.4
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3

(END OF REPORT)