

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: P332770-930

Luminaire Tested: **S124DIW-S575D1560U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332770-930  
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-S575D1560U930-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6527.6 lumens  
Efficiency: N/A  
Efficacy: 107.7 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-Indirect

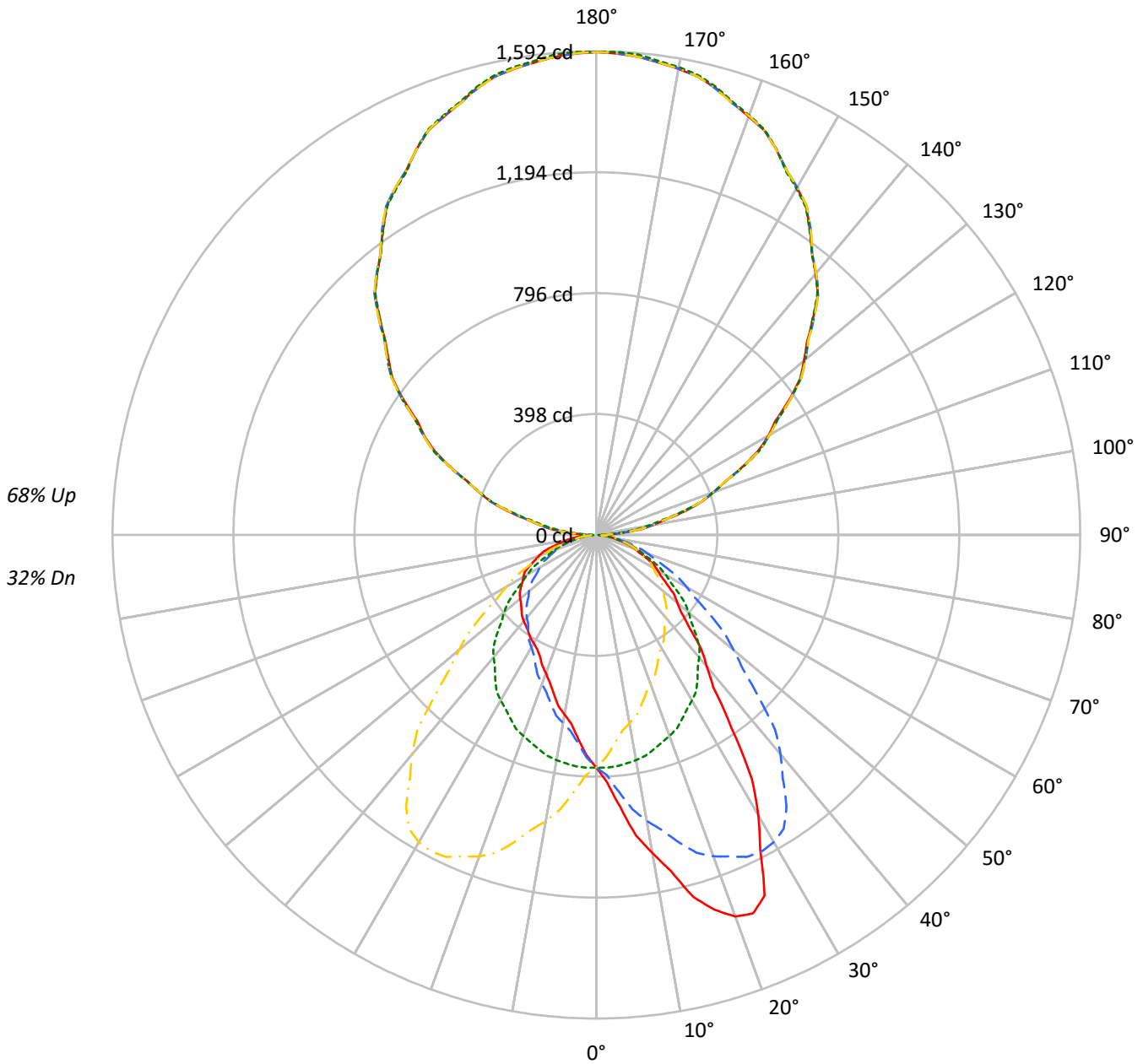
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - . - . 135°-315°



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**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	74	74	74	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	65	62	60	49	48	47	35	35	34	28
2	86	79	73	68	77	71	66	62	57	53	50	44	41	39	31	30	29	23
3	78	69	62	57	70	63	57	52	50	46	42	39	36	33	28	26	25	20
4	72	61	54	48	64	55	49	44	45	40	36	34	31	29	25	23	21	17
5	66	54	47	41	59	49	43	38	40	35	31	31	28	25	23	20	19	15
6	60	49	41	35	54	44	38	33	36	31	27	28	24	22	21	18	16	13
7	56	44	36	31	50	40	33	29	32	27	24	25	22	19	19	16	15	12
8	52	40	32	27	46	36	30	25	30	25	21	23	20	17	17	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	14	12	10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	12	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6181	6181	6181	6181
5°	7280	6198	5471	6198
10°	8716	6171	4925	6171
15°	10313	6108	4523	6108
20°	11485	6045	4164	6045
25°	11670	5951	3917	5951
30°	9930	5862	3838	5862
35°	7634	5714	3840	5714
40°	5951	5542	3911	5542
45°	4962	5284	3976	5284
50°	4366	4968	4111	4968
55°	4000	4590	4277	4590
60°	3749	4251	4477	4251
65°	3490	3872	4642	3872
70°	3189	3496	4747	3496
75°	2851	3079	4688	3079
80°	2390	2520	4542	2520
85°	1760	1815	4353	1815



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	1.1
10°-20°	230.0	3.5
20°-30°	364.6	5.6
30°-40°	405.8	6.2
40°-50°	369.4	5.7
50°-60°	301.9	4.6
60°-70°	215.5	3.3
70°-80°	118.7	1.8
80°-90°	37.1	0.6
90°-100°	104.8	1.6
100°-110°	310.6	4.8
110°-120°	527.1	8.1
120°-130°	695.1	10.6
130°-140°	780.6	12.0
140°-150°	767.1	11.8
150°-160°	645.2	9.9
160°-170°	429.2	6.6
170°-180°	150.3	2.3
0°-30°	669.2	10.3
0°-40°	1075.0	16.5
0°-60°	1746.2	26.8
0°-90°	2117.5	32.4
90°-120°	942.5	14.4
90°-150°	3185.3	48.8
90°-180°	4410.0	67.6
0°-180°	6527.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	766	766	766	766	766	
5°	898	765	675	765	898	91
15°	1234	731	541	731	1234	349
25°	1310	668	440	668	1310	578
35°	775	580	390	580	775	492
45°	435	463	348	463	435	342
55°	284	326	304	326	284	257
65°	183	203	243	203	183	181
75°	91	99	150	99	91	97
85°	19	20	47	20	19	24
90°	37	4	37	4	37	19
95°	97	74	97	74	97	101
105°	300	286	300	286	300	316
115°	531	536	531	536	531	525
125°	774	781	774	781	774	691
135°	1008	1007	1008	1007	1008	778
145°	1224	1223	1224	1223	1224	766
155°	1400	1401	1400	1401	1400	645
165°	1522	1526	1522	1526	1522	429
175°	1580	1587	1580	1587	1580	150
180°	1590	1590	1590	1590	1590	



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	815.0	814.7	812.2	811.7	809.9	807.6	807.1	803.1	794.9	791.2	790.1
5°	898.4	904.7	896.4	894.9	893.9	883.5	878.1	871.7	857.1	848.6	841.9
7.5°	997.8	998.6	995.0	992.1	984.0	974.9	961.2	946.6	929.2	911.1	897.5
10°	1063.3	1065.8	1061.8	1061.1	1044.9	1034.8	1014.5	997.4	977.6	955.8	935.8
12.5°	1132.4	1128.8	1126.7	1113.1	1110.1	1091.6	1068.0	1050.4	1020.0	994.8	968.2
15°	1234.0	1227.0	1222.5	1203.9	1194.7	1169.0	1143.9	1124.5	1084.9	1047.2	1018.6
17.5°	1293.6	1300.6	1290.3	1282.6	1258.8	1240.8	1215.2	1174.6	1143.5	1096.7	1060.6
20°	1336.8	1337.4	1331.7	1323.7	1305.0	1282.2	1254.3	1209.9	1172.7	1126.1	1076.6
22.5°	1348.4	1348.6	1346.1	1338.7	1324.5	1306.0	1277.9	1240.8	1195.9	1145.2	1095.7
25°	1310.1	1308.9	1311.7	1320.0	1314.6	1308.9	1292.7	1265.1	1223.2	1169.5	1116.3
27.5°	1167.8	1176.5	1192.6	1212.9	1232.5	1247.3	1251.6	1245.9	1219.9	1175.8	1120.1
30°	1065.2	1076.0	1088.0	1108.4	1147.7	1170.2	1195.0	1213.7	1203.2	1168.0	1116.0
32.5°	952.5	955.2	973.1	996.2	1032.3	1075.5	1114.8	1152.8	1165.4	1147.0	1103.5
35°	774.6	779.1	798.4	821.3	865.4	918.4	977.4	1030.0	1073.5	1091.0	1068.7
37.5°	632.2	644.9	658.5	683.1	721.9	769.6	831.0	899.0	963.8	1007.2	1014.6
40°	564.7	572.6	582.4	601.1	634.1	681.1	733.7	811.8	880.6	942.8	963.1
42.5°	511.4	516.0	522.0	538.9	564.1	610.7	658.8	727.5	796.6	871.0	905.0
45°	434.6	439.4	449.5	459.3	478.3	510.7	555.5	611.9	681.3	753.1	815.9
47.5°	379.1	382.2	388.2	398.8	414.9	436.3	472.6	519.8	584.2	653.8	720.7
50°	347.6	350.2	355.0	364.5	376.8	395.9	425.7	469.8	520.2	590.4	656.0
52.5°	322.8	323.8	327.3	333.8	343.6	359.6	384.1	420.5	467.5	529.9	595.3
55°	284.2	285.5	288.7	293.4	302.0	312.2	330.8	358.2	399.1	453.3	510.1
57.5°	252.5	253.4	256.1	257.9	265.0	273.2	287.6	307.0	338.1	384.1	434.8
60°	232.2	231.5	234.7	236.4	241.1	248.1	259.2	277.9	304.8	341.9	388.6
62.5°	212.4	211.5	214.2	216.3	219.0	224.9	234.1	248.7	270.6	304.2	344.5
65°	182.7	181.5	183.0	185.6	188.1	191.3	198.0	210.9	228.4	252.5	283.2
67.5°	152.9	154.3	154.5	155.7	157.2	161.5	166.1	175.3	187.6	206.9	232.9
70°	135.1	135.4	136.7	136.7	137.7	141.5	145.3	150.7	162.7	180.5	201.8
72.5°	117.4	118.7	118.2	119.2	119.9	122.5	125.2	130.4	140.6	153.8	171.8
75°	91.4	92.3	92.3	92.6	93.6	94.5	96.8	100.5	107.9	117.6	130.0
77.5°	66.6	66.8	67.2	68.3	68.3	69.9	71.5	74.5	78.2	84.9	92.5
80°	51.4	52.0	51.7	52.3	52.3	53.6	54.2	58.0	59.6	64.1	70.1
82.5°	37.7	38.3	38.2	39.1	39.6	39.9	40.8	42.3	43.9	47.9	50.3
85°	19.0	19.6	19.0	19.6	20.6	21.0	21.9	22.2	23.5	24.5	26.7
87.5°	13.0	13.6	13.5	13.6	14.0	14.1	14.0	13.5	14.1	14.0	14.6
90°	36.9	36.4	35.8	35.2	34.7	33.6	32.0	30.3	28.7	27.1	24.9
92.5°	54.5	54.2	53.9	53.6	53.2	52.6	51.6	50.6	49.7	48.7	47.1
95°	97.1	97.1	97.1	97.1	97.1	96.7	95.9	95.1	94.2	93.4	91.6
97.5°	152.2	152.2	152.2	152.2	152.2	151.7	150.7	149.8	148.7	147.7	145.5
100°	190.5	190.5	190.5	190.5	190.5	190.3	189.7	189.1	188.7	188.1	185.6
102.5°	233.8	233.6	233.4	233.2	232.9	232.4	231.7	230.9	230.2	229.4	227.1
105°	299.9	299.1	298.3	297.5	296.7	295.9	295.1	294.2	293.4	292.6	291.5
107.5°	364.4	364.4	364.5	364.5	364.6	364.3	363.5	362.7	361.9	361.2	361.0
110°	410.6	409.8	409.0	408.1	407.3	407.2	407.7	408.3	408.8	409.4	409.6



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	457.8	457.6	457.5	457.3	457.1	457.1	457.2	457.3	457.5	457.5	458.0
115°	531.1	531.3	531.7	531.9	532.1	532.5	532.7	533.0	533.3	533.5	534.1
117.5°	600.9	601.4	602.0	602.5	603.1	603.8	604.8	605.7	606.6	607.6	607.9
120°	654.0	653.5	652.9	652.4	651.8	652.2	653.6	654.9	656.3	657.7	658.5
122.5°	698.3	699.3	700.3	701.2	702.2	703.2	704.1	705.0	706.0	706.9	707.3
125°	774.5	775.0	775.6	776.1	776.7	777.2	777.8	778.3	778.9	779.4	779.7
127.5°	845.1	845.5	846.0	846.4	846.8	847.3	847.8	848.4	848.9	849.5	849.9
130°	891.3	892.3	893.5	894.5	895.6	896.4	897.0	897.6	898.1	898.6	898.6
132.5°	940.4	940.9	941.3	941.8	942.2	942.6	943.2	943.8	944.4	944.9	945.1
135°	1008.0	1008.9	1009.7	1010.5	1011.3	1012.0	1012.6	1013.1	1013.7	1014.2	1014.2
137.5°	1079.1	1079.0	1078.8	1078.6	1078.5	1078.7	1079.5	1080.2	1080.8	1081.6	1081.2
140°	1122.4	1122.7	1122.9	1123.2	1123.5	1123.7	1124.1	1124.3	1124.5	1124.9	1124.9
142.5°	1165.6	1165.7	1165.8	1165.8	1165.9	1166.0	1166.0	1166.0	1166.1	1166.1	1166.4
145°	1224.4	1225.2	1226.0	1226.9	1227.7	1228.2	1228.5	1228.8	1229.1	1229.3	1229.1
147.5°	1283.9	1284.2	1284.5	1284.7	1285.0	1285.2	1285.5	1285.7	1285.9	1286.1	1286.4
150°	1320.3	1320.6	1320.9	1321.1	1321.4	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5
152.5°	1353.7	1354.5	1355.2	1355.8	1356.6	1356.6	1355.9	1355.3	1354.6	1354.0	1353.8
155°	1400.2	1401.3	1402.4	1403.5	1404.6	1404.6	1403.5	1402.4	1401.3	1400.2	1400.5
157.5°	1441.8	1442.7	1443.7	1444.5	1445.4	1445.5	1444.7	1443.9	1443.1	1442.3	1442.3
160°	1465.3	1466.7	1468.1	1469.5	1470.8	1471.1	1470.3	1469.5	1468.7	1467.9	1468.1
162.5°	1490.0	1491.3	1492.7	1494.0	1495.4	1495.3	1493.9	1492.4	1490.9	1489.5	1489.7
165°	1521.9	1523.0	1524.1	1525.2	1526.3	1526.0	1524.4	1522.7	1521.1	1519.5	1520.0
167.5°	1544.7	1546.5	1548.2	1549.9	1551.6	1551.6	1550.0	1548.3	1546.7	1545.1	1545.0
170°	1557.5	1559.5	1561.4	1563.3	1565.2	1565.4	1563.7	1562.1	1560.4	1558.8	1558.5
172.5°	1568.4	1570.3	1572.2	1574.1	1576.1	1576.1	1574.2	1572.4	1570.5	1568.6	1568.6
175°	1579.7	1581.6	1583.6	1585.4	1587.4	1587.4	1585.4	1583.6	1581.6	1579.7	1580.0
177.5°	1585.6	1587.4	1589.1	1590.8	1592.6	1592.7	1591.1	1589.7	1588.1	1586.6	1586.6
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	790.4	786.8	784.3	782.3	776.7	773.4	770.9	767.3	763.2	758.9	753.6
5°	835.3	824.4	816.5	804.5	793.0	783.5	773.7	764.8	754.0	742.3	733.7
7.5°	882.4	866.3	845.8	827.9	807.9	790.4	774.9	758.9	742.2	726.1	711.3
10°	912.3	891.7	868.9	841.9	816.5	794.0	773.1	752.8	733.1	713.4	696.6
12.5°	944.5	918.8	885.1	853.5	825.2	795.0	769.7	744.9	721.1	700.5	680.9
15°	987.8	950.7	911.7	869.5	832.1	796.9	762.3	730.8	704.3	676.9	657.9
17.5°	1014.4	968.5	923.9	879.8	834.5	790.0	752.8	716.6	683.1	656.1	632.1
20°	1031.9	986.3	930.7	886.6	832.7	787.0	743.9	703.6	668.7	639.8	615.1
22.5°	1047.2	994.3	938.8	880.8	827.1	778.6	731.4	690.9	655.3	624.8	601.1
25°	1055.4	994.8	934.5	876.8	815.9	758.5	715.7	668.1	630.0	597.9	572.6
27.5°	1056.3	991.5	923.3	859.2	796.3	742.8	688.8	646.2	606.7	572.8	548.5
30°	1053.4	985.9	912.6	843.2	780.1	721.9	675.1	628.8	588.4	554.8	529.5
32.5°	1044.6	974.2	898.9	825.4	760.0	703.2	654.8	610.7	571.4	538.3	511.7
35°	1018.9	949.4	869.2	792.7	725.8	668.4	624.6	579.8	540.5	509.2	483.5
37.5°	978.8	915.9	834.4	755.2	689.5	631.9	588.4	548.0	512.6	480.6	454.3
40°	943.7	888.5	806.7	729.6	658.5	603.6	563.0	525.9	490.7	460.6	435.5
42.5°	903.4	855.2	779.8	698.1	629.6	574.5	534.9	501.6	468.4	440.6	415.5
45°	831.4	799.7	728.6	653.1	581.8	529.8	492.0	462.8	434.9	407.6	386.7
47.5°	748.7	733.0	673.1	601.4	533.7	482.4	449.7	422.7	398.3	375.1	356.7
50°	693.1	685.5	633.8	564.7	499.9	451.8	418.7	395.6	374.6	354.3	336.9
52.5°	638.3	638.1	591.4	528.1	468.2	421.8	389.1	367.4	349.3	332.7	317.1
55°	554.5	563.4	526.9	470.4	416.9	375.0	345.4	326.1	313.4	299.8	288.0
57.5°	477.5	492.3	462.2	412.5	367.7	329.1	303.5	288.9	275.4	267.2	258.6
60°	427.3	441.2	417.8	375.9	333.7	300.7	276.3	263.3	251.5	245.8	239.8
62.5°	382.6	395.1	377.6	338.8	302.2	270.5	249.9	237.4	229.5	223.2	219.2
65°	318.8	329.3	314.4	286.2	254.7	229.3	212.5	202.7	195.1	192.6	188.1
67.5°	257.7	267.3	259.2	235.2	210.0	190.8	177.7	168.2	163.7	161.4	158.3
70°	221.4	231.0	222.3	201.5	182.1	165.9	153.5	148.1	143.4	142.4	138.0
72.5°	190.7	197.2	188.6	172.3	155.7	142.0	132.5	126.9	124.3	122.6	120.3
75°	143.1	148.8	143.1	130.4	118.6	109.1	100.9	98.7	95.8	94.8	93.3
77.5°	101.3	106.2	101.8	93.9	85.1	77.8	73.4	70.5	69.9	68.2	69.0
80°	77.4	80.6	76.5	71.1	64.1	59.0	55.8	54.2	52.3	51.7	53.0
82.5°	55.6	57.0	54.9	51.3	46.1	42.7	40.6	38.7	38.4	38.5	38.5
85°	28.9	28.5	28.2	25.0	23.5	21.3	20.0	19.6	19.3	20.0	20.6
87.5°	14.2	14.0	13.3	11.7	10.4	9.0	8.2	7.3	8.2	9.0	9.9
90°	22.7	20.5	18.3	15.7	12.7	9.7	6.7	3.7	6.7	9.7	12.7
92.5°	45.7	44.1	42.6	40.1	36.6	33.2	29.8	26.3	29.8	33.2	36.6
95°	89.6	87.7	85.8	83.6	81.1	78.7	76.2	73.8	76.2	78.7	81.1
97.5°	143.2	141.0	138.8	136.7	134.8	132.7	130.8	128.8	130.8	132.7	134.8
100°	183.2	180.8	178.2	176.5	175.4	174.3	173.2	172.1	173.2	174.3	175.4
102.5°	224.9	222.7	220.5	219.1	218.7	218.3	217.8	217.4	217.8	218.3	218.7
105°	290.4	289.3	288.2	287.6	287.2	287.0	286.7	286.4	286.7	287.0	287.2
107.5°	360.9	360.7	360.5	360.3	360.0	359.6	359.3	359.0	359.3	359.6	360.0
110°	409.9	410.2	410.5	410.3	409.8	409.2	408.7	408.1	408.7	409.2	409.8





TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	458.5	459.0	459.5	459.7	459.6	459.5	459.4	459.3	459.4	459.5	459.6
115°	534.6	535.2	535.7	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0
117.5°	608.3	608.7	609.1	609.2	608.9	608.7	608.5	608.3	608.5	608.7	608.9
120°	659.3	660.1	661.0	660.8	659.7	658.7	657.5	656.5	657.5	658.7	659.7
122.5°	707.6	708.0	708.4	708.3	707.9	707.5	707.0	706.6	707.0	707.5	707.9
125°	779.9	780.2	780.5	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
127.5°	850.4	850.8	851.3	851.0	850.2	849.4	848.6	847.7	848.6	849.4	850.2
130°	898.6	898.6	898.6	898.2	897.4	896.6	895.8	895.0	895.8	896.6	897.4
132.5°	945.3	945.5	945.7	945.6	944.9	944.4	943.8	943.1	943.8	944.4	944.9
135°	1014.2	1014.2	1014.2	1013.4	1011.8	1010.1	1008.4	1006.8	1008.4	1010.1	1011.8
137.5°	1080.7	1080.3	1079.9	1079.2	1078.5	1077.7	1076.9	1076.2	1076.9	1077.7	1078.5
140°	1124.9	1124.9	1124.9	1124.5	1124.1	1123.5	1122.9	1122.4	1122.9	1123.5	1124.1
142.5°	1166.6	1166.8	1167.0	1166.9	1166.3	1165.8	1165.2	1164.7	1165.2	1165.8	1166.3
145°	1228.8	1228.5	1228.2	1227.6	1226.5	1225.4	1224.3	1223.2	1224.3	1225.4	1226.5
147.5°	1286.5	1286.8	1287.0	1286.5	1285.2	1283.9	1282.5	1281.2	1282.5	1283.9	1285.2
150°	1321.5	1321.5	1321.5	1321.0	1319.9	1318.8	1317.7	1316.6	1317.7	1318.8	1319.9
152.5°	1353.6	1353.3	1353.2	1352.7	1352.0	1351.4	1350.7	1350.1	1350.7	1351.4	1352.0
155°	1400.8	1401.0	1401.3	1401.4	1401.4	1401.4	1401.4	1401.4	1401.4	1401.4	1401.4
157.5°	1442.3	1442.4	1442.5	1442.8	1443.2	1443.7	1444.2	1444.7	1444.2	1443.7	1443.2
160°	1468.4	1468.7	1468.9	1469.2	1469.5	1469.7	1470.0	1470.3	1470.0	1469.7	1469.5
162.5°	1490.0	1490.3	1490.5	1491.0	1491.8	1492.5	1493.2	1493.9	1493.2	1492.5	1491.8
165°	1520.5	1521.1	1521.7	1522.3	1523.1	1524.0	1524.8	1525.6	1524.8	1524.0	1523.1
167.5°	1544.9	1544.9	1544.8	1545.4	1546.5	1547.7	1548.8	1550.0	1548.8	1547.7	1546.5
170°	1558.3	1558.0	1557.7	1558.3	1559.6	1561.0	1562.4	1563.7	1562.4	1561.0	1559.6
172.5°	1568.6	1568.5	1568.4	1569.0	1570.1	1571.2	1572.4	1573.5	1572.4	1571.2	1570.1
175°	1580.2	1580.5	1580.8	1581.6	1583.0	1584.4	1585.7	1587.1	1585.7	1584.4	1583.0
177.5°	1586.6	1586.6	1586.6	1587.1	1588.2	1589.3	1590.4	1591.5	1590.4	1589.3	1588.2
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	751.1	748.8	745.4	740.9	737.1	733.0	732.0	730.5	733.5	731.0	730.3
5°	726.4	719.7	711.2	701.4	695.7	687.4	685.8	682.7	679.5	679.1	676.0
7.5°	700.3	690.6	679.4	669.4	660.1	651.1	645.1	643.9	639.2	636.5	633.3
10°	683.6	671.6	658.5	649.1	638.2	628.8	622.1	618.2	615.1	611.6	608.5
12.5°	663.8	651.0	640.3	630.0	617.2	609.9	599.0	592.4	591.7	591.8	583.6
15°	640.7	628.1	611.6	597.0	590.0	576.1	570.1	562.4	557.7	552.9	549.1
17.5°	614.5	598.7	585.8	569.0	555.7	544.6	536.6	532.1	525.0	518.2	513.3
20°	597.9	581.1	567.5	549.8	535.2	521.5	514.9	508.5	503.1	497.4	492.0
22.5°	581.2	563.6	547.0	529.7	516.1	501.7	495.3	486.7	481.5	478.3	473.0
25°	554.8	535.8	516.7	500.3	486.3	473.6	465.0	458.4	452.7	450.1	446.6
27.5°	526.1	507.2	488.9	470.1	454.3	445.1	438.2	433.2	429.9	426.6	424.9
30°	507.8	488.2	468.6	451.1	436.5	427.3	420.9	417.4	414.9	413.4	411.7
32.5°	489.3	469.9	449.2	433.3	420.3	412.1	407.2	403.7	402.5	401.9	401.4
35°	459.7	440.0	420.9	406.7	394.3	391.1	387.0	385.1	384.5	386.7	387.7
37.5°	430.9	412.6	395.1	381.3	373.2	368.5	367.1	367.2	369.5	371.5	373.7
40°	412.4	394.6	378.1	366.1	358.5	355.6	355.0	356.5	359.1	361.3	363.9
42.5°	394.4	376.8	361.9	350.6	345.3	342.7	343.1	344.6	348.2	350.9	354.7
45°	366.4	351.8	337.2	328.0	323.6	324.2	324.2	327.0	330.5	334.7	338.8
47.5°	340.1	325.3	313.3	305.6	303.3	302.7	304.5	308.3	313.3	318.4	324.2
50°	322.3	308.3	297.8	290.9	288.4	289.3	291.9	295.3	301.3	307.7	313.7
52.5°	304.3	291.6	281.8	275.4	273.6	275.3	277.9	283.4	288.7	295.5	302.8
55°	276.3	265.5	257.9	253.2	252.5	253.5	256.3	262.4	269.9	278.5	285.5
57.5°	248.4	239.5	232.4	229.2	229.5	230.4	235.1	242.2	250.4	259.5	268.5
60°	229.7	221.4	215.7	213.2	213.5	215.4	221.1	227.8	237.9	246.8	256.3
62.5°	211.9	204.6	199.2	196.9	196.5	200.6	206.1	213.0	223.2	233.1	243.4
65°	183.4	177.7	173.2	171.9	172.8	176.0	183.0	192.2	200.8	211.2	222.1
67.5°	155.4	150.7	147.7	148.3	149.4	154.1	160.0	167.9	177.6	188.4	199.1
70°	137.7	133.2	130.7	131.0	132.9	138.6	143.7	151.6	162.1	173.2	182.1
72.5°	119.4	116.5	114.2	115.5	117.4	121.4	127.7	135.7	144.9	155.2	164.6
75°	91.6	91.6	90.4	91.4	94.2	98.0	102.8	111.0	120.3	128.5	136.1
77.5°	68.0	67.3	68.2	69.3	70.9	75.4	80.9	86.8	93.7	102.0	108.3
80°	52.0	52.3	53.9	55.8	56.5	59.9	65.6	71.1	76.5	83.4	89.4
82.5°	39.1	39.4	40.2	42.6	43.3	47.0	50.7	56.1	61.0	65.6	70.7
85°	21.3	21.3	22.8	23.8	25.4	27.9	30.2	33.3	37.7	40.9	45.7
87.5°	11.3	11.8	13.2	14.2	15.4	17.1	17.9	21.0	22.4	24.0	26.5
90°	15.7	18.3	20.5	22.7	24.9	27.1	28.7	30.3	32.0	33.6	34.7
92.5°	40.1	42.6	44.1	45.7	47.1	48.7	49.7	50.6	51.6	52.6	53.2
95°	83.6	85.8	87.7	89.6	91.6	93.4	94.2	95.1	95.9	96.7	97.1
97.5°	136.7	138.8	141.0	143.2	145.5	147.7	148.7	149.8	150.7	151.7	152.2
100°	176.5	178.2	180.8	183.2	185.6	188.1	188.7	189.1	189.7	190.3	190.5
102.5°	219.1	220.5	222.7	224.9	227.1	229.4	230.2	230.9	231.7	232.4	232.9
105°	287.6	288.2	289.3	290.4	291.5	292.6	293.4	294.2	295.1	295.9	296.7
107.5°	360.3	360.5	360.7	360.9	361.0	361.2	361.9	362.7	363.5	364.3	364.6
110°	410.3	410.5	410.2	409.9	409.6	409.4	408.8	408.3	407.7	407.2	407.3



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	459.7	459.5	459.0	458.5	458.0	457.5	457.5	457.3	457.2	457.1	457.1
115°	536.0	535.7	535.2	534.6	534.1	533.5	533.3	533.0	532.7	532.5	532.1
117.5°	609.2	609.1	608.7	608.3	607.9	607.6	606.6	605.7	604.8	603.8	603.1
120°	660.8	661.0	660.1	659.3	658.5	657.7	656.3	654.9	653.6	652.2	651.8
122.5°	708.3	708.4	708.0	707.6	707.3	706.9	706.0	705.0	704.1	703.2	702.2
125°	780.6	780.5	780.2	779.9	779.7	779.4	778.9	778.3	777.8	777.2	776.7
127.5°	851.0	851.3	850.8	850.4	849.9	849.5	848.9	848.4	847.8	847.3	846.8
130°	898.2	898.6	898.6	898.6	898.6	898.6	898.1	897.6	897.0	896.4	895.6
132.5°	945.6	945.7	945.5	945.3	945.1	944.9	944.4	943.8	943.2	942.6	942.2
135°	1013.4	1014.2	1014.2	1014.2	1014.2	1014.2	1013.7	1013.1	1012.6	1012.0	1011.3
137.5°	1079.2	1079.9	1080.3	1080.7	1081.2	1081.6	1080.8	1080.2	1079.5	1078.7	1078.5
140°	1124.5	1124.9	1124.9	1124.9	1124.9	1124.9	1124.5	1124.3	1124.1	1123.7	1123.5
142.5°	1166.9	1167.0	1166.8	1166.6	1166.4	1166.1	1166.1	1166.0	1166.0	1166.0	1165.9
145°	1227.6	1228.2	1228.5	1228.8	1229.1	1229.3	1229.1	1228.8	1228.5	1228.2	1227.7
147.5°	1286.5	1287.0	1286.8	1286.5	1286.4	1286.1	1285.9	1285.7	1285.5	1285.2	1285.0
150°	1321.0	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.4
152.5°	1352.7	1353.2	1353.3	1353.6	1353.8	1354.0	1354.6	1355.3	1355.9	1356.6	1356.6
155°	1401.4	1401.3	1401.0	1400.8	1400.5	1400.2	1401.3	1402.4	1403.5	1404.6	1404.6
157.5°	1442.8	1442.5	1442.4	1442.3	1442.3	1442.3	1443.1	1443.9	1444.7	1445.5	1445.4
160°	1469.2	1468.9	1468.7	1468.4	1468.1	1467.9	1468.7	1469.5	1470.3	1471.1	1470.8
162.5°	1491.0	1490.5	1490.3	1490.0	1489.7	1489.5	1490.9	1492.4	1493.9	1495.3	1495.4
165°	1522.3	1521.7	1521.1	1520.5	1520.0	1519.5	1521.1	1522.7	1524.4	1526.0	1526.3
167.5°	1545.4	1544.8	1544.9	1544.9	1545.0	1545.1	1546.7	1548.3	1550.0	1551.6	1551.6
170°	1558.3	1557.7	1558.0	1558.3	1558.5	1558.8	1560.4	1562.1	1563.7	1565.4	1565.2
172.5°	1569.0	1568.4	1568.5	1568.6	1568.6	1568.6	1570.5	1572.4	1574.2	1576.1	1576.1
175°	1581.6	1580.8	1580.5	1580.2	1580.0	1579.7	1581.6	1583.6	1585.4	1587.4	1587.4
177.5°	1587.1	1586.6	1586.6	1586.6	1586.6	1586.6	1588.1	1589.7	1591.1	1592.7	1592.6
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	729.7	729.2	727.4	727.2	727.4	729.2	729.7	730.3	731.0	733.5	730.5
5°	674.1	672.5	671.6	675.1	671.6	672.5	674.1	676.0	679.1	679.5	682.7
7.5°	632.2	630.9	628.1	627.2	628.1	630.9	632.2	633.3	636.5	639.2	643.9
10°	605.3	604.0	601.4	600.8	601.4	604.0	605.3	608.5	611.6	615.1	618.2
12.5°	579.4	576.8	576.3	577.0	576.3	576.8	579.4	583.6	591.8	591.7	592.4
15°	544.9	543.7	540.2	541.2	540.2	543.7	544.9	549.1	552.9	557.7	562.4
17.5°	511.1	509.6	505.3	509.1	505.3	509.6	511.1	513.3	518.2	525.0	532.1
20°	489.8	487.2	485.0	484.7	485.0	487.2	489.8	492.0	497.4	503.1	508.5
22.5°	469.4	467.2	467.0	464.9	467.0	467.2	469.4	473.0	478.3	481.5	486.7
25°	444.1	441.9	441.2	439.7	441.2	441.9	444.1	446.6	450.1	452.7	458.4
27.5°	424.6	423.5	422.4	422.9	422.4	423.5	424.6	424.9	426.6	429.9	433.2
30°	412.7	412.4	411.7	411.7	411.7	412.4	412.7	411.7	413.4	414.9	417.4
32.5°	402.8	402.8	403.1	403.1	403.1	402.8	402.8	401.4	401.9	402.5	403.7
35°	388.9	389.9	390.5	389.6	390.5	389.9	388.9	387.7	386.7	384.5	385.1
37.5°	376.3	377.3	378.2	379.3	378.2	377.3	376.3	373.7	371.5	369.5	367.2
40°	366.7	368.9	369.6	371.1	369.6	368.9	366.7	363.9	361.3	359.1	356.5
42.5°	357.6	360.0	361.7	362.0	361.7	360.0	357.6	354.7	350.9	348.2	344.6
45°	343.6	346.1	348.3	348.3	348.3	346.1	343.6	338.8	334.7	330.5	327.0
47.5°	329.1	332.7	334.9	335.5	334.9	332.7	329.1	324.2	318.4	313.3	308.3
50°	319.1	323.6	325.8	327.3	325.8	323.6	319.1	313.7	307.7	301.3	295.3
52.5°	309.5	313.9	316.9	317.7	316.9	313.9	309.5	302.8	295.5	288.7	283.4
55°	292.8	299.1	302.6	303.9	302.6	299.1	292.8	285.5	278.5	269.9	262.4
57.5°	277.0	282.9	287.0	287.9	287.0	282.9	277.0	268.5	259.5	250.4	242.2
60°	264.9	271.3	276.3	277.3	276.3	271.3	264.9	256.3	246.8	237.9	227.8
62.5°	252.4	259.0	263.6	266.1	263.6	259.0	252.4	243.4	233.1	223.2	213.0
65°	231.0	237.6	242.1	243.0	242.1	237.6	231.0	222.1	211.2	200.8	192.2
67.5°	207.5	214.1	217.0	218.9	217.0	214.1	207.5	199.1	188.4	177.6	167.9
70°	190.9	196.3	199.5	201.1	199.5	196.3	190.9	182.1	173.2	162.1	151.6
72.5°	172.2	177.8	181.5	181.8	181.5	177.8	172.2	164.6	155.2	144.9	135.7
75°	143.4	148.5	150.3	150.3	150.3	148.5	143.4	136.1	128.5	120.3	111.0
77.5°	113.5	116.1	118.5	119.0	118.5	116.1	113.5	108.3	102.0	93.7	86.8
80°	94.2	95.8	97.7	97.7	97.7	95.8	94.2	89.4	83.4	76.5	71.1
82.5°	74.4	75.7	77.6	77.4	77.6	75.7	74.4	70.7	65.6	61.0	56.1
85°	45.0	47.9	47.6	47.0	47.6	47.9	45.0	45.7	40.9	37.7	33.3
87.5°	27.3	27.7	28.6	29.2	28.6	27.7	27.3	26.5	24.0	22.4	21.0
90°	35.2	35.8	36.4	36.9	36.4	35.8	35.2	34.7	33.6	32.0	30.3
92.5°	53.6	53.9	54.2	54.5	54.2	53.9	53.6	53.2	52.6	51.6	50.6
95°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	96.7	95.9	95.1
97.5°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	151.7	150.7	149.8
100°	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.3	189.7	189.1
102.5°	233.2	233.4	233.6	233.8	233.6	233.4	233.2	232.9	232.4	231.7	230.9
105°	297.5	298.3	299.1	299.9	299.1	298.3	297.5	296.7	295.9	295.1	294.2
107.5°	364.5	364.5	364.4	364.4	364.4	364.5	364.5	364.6	364.3	363.5	362.7
110°	408.1	409.0	409.8	410.6	409.8	409.0	408.1	407.3	407.2	407.7	408.3



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	457.3	457.5	457.6	457.8	457.6	457.5	457.3	457.1	457.1	457.2	457.3
115°	531.9	531.7	531.3	531.1	531.3	531.7	531.9	532.1	532.5	532.7	533.0
117.5°	602.5	602.0	601.4	600.9	601.4	602.0	602.5	603.1	603.8	604.8	605.7
120°	652.4	652.9	653.5	654.0	653.5	652.9	652.4	651.8	652.2	653.6	654.9
122.5°	701.2	700.3	699.3	698.3	699.3	700.3	701.2	702.2	703.2	704.1	705.0
125°	776.1	775.6	775.0	774.5	775.0	775.6	776.1	776.7	777.2	777.8	778.3
127.5°	846.4	846.0	845.5	845.1	845.5	846.0	846.4	846.8	847.3	847.8	848.4
130°	894.5	893.5	892.3	891.3	892.3	893.5	894.5	895.6	896.4	897.0	897.6
132.5°	941.8	941.3	940.9	940.4	940.9	941.3	941.8	942.2	942.6	943.2	943.8
135°	1010.5	1009.7	1008.9	1008.0	1008.9	1009.7	1010.5	1011.3	1012.0	1012.6	1013.1
137.5°	1078.6	1078.8	1079.0	1079.1	1079.0	1078.8	1078.6	1078.5	1078.7	1079.5	1080.2
140°	1123.2	1122.9	1122.7	1122.4	1122.7	1122.9	1123.2	1123.5	1123.7	1124.1	1124.3
142.5°	1165.8	1165.8	1165.7	1165.6	1165.7	1165.8	1165.8	1165.9	1166.0	1166.0	1166.0
145°	1226.9	1226.0	1225.2	1224.4	1225.2	1226.0	1226.9	1227.7	1228.2	1228.5	1228.8
147.5°	1284.7	1284.5	1284.2	1283.9	1284.2	1284.5	1284.7	1285.0	1285.2	1285.5	1285.7
150°	1321.1	1320.9	1320.6	1320.3	1320.6	1320.9	1321.1	1321.4	1321.5	1321.5	1321.5
152.5°	1355.8	1355.2	1354.5	1353.7	1354.5	1355.2	1355.8	1356.6	1356.6	1355.9	1355.3
155°	1403.5	1402.4	1401.3	1400.2	1401.3	1402.4	1403.5	1404.6	1404.6	1403.5	1402.4
157.5°	1444.5	1443.7	1442.7	1441.8	1442.7	1443.7	1444.5	1445.4	1445.5	1444.7	1443.9
160°	1469.5	1468.1	1466.7	1465.3	1466.7	1468.1	1469.5	1470.8	1471.1	1470.3	1469.5
162.5°	1494.0	1492.7	1491.3	1490.0	1491.3	1492.7	1494.0	1495.4	1495.3	1493.9	1492.4
165°	1525.2	1524.1	1523.0	1521.9	1523.0	1524.1	1525.2	1526.3	1526.0	1524.4	1522.7
167.5°	1549.9	1548.2	1546.5	1544.7	1546.5	1548.2	1549.9	1551.6	1551.6	1550.0	1548.3
170°	1563.3	1561.4	1559.5	1557.5	1559.5	1561.4	1563.3	1565.2	1565.4	1563.7	1562.1
172.5°	1574.1	1572.2	1570.3	1568.4	1570.3	1572.2	1574.1	1576.1	1576.1	1574.2	1572.4
175°	1585.4	1583.6	1581.6	1579.7	1581.6	1583.6	1585.4	1587.4	1587.4	1585.4	1583.6
177.5°	1590.8	1589.1	1587.4	1585.6	1587.4	1589.1	1590.8	1592.6	1592.7	1591.1	1589.7
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	732.0	733.0	737.1	740.9	745.4	748.8	751.1	753.6	758.9	763.2	767.3
5°	685.8	687.4	695.7	701.4	711.2	719.7	726.4	733.7	742.3	754.0	764.8
7.5°	645.1	651.1	660.1	669.4	679.4	690.6	700.3	711.3	726.1	742.2	758.9
10°	622.1	628.8	638.2	649.1	658.5	671.6	683.6	696.6	713.4	733.1	752.8
12.5°	599.0	609.9	617.2	630.0	640.3	651.0	663.8	680.9	700.5	721.1	744.9
15°	570.1	576.1	590.0	597.0	611.6	628.1	640.7	657.9	676.9	704.3	730.8
17.5°	536.6	544.6	555.7	569.0	585.8	598.7	614.5	632.1	656.1	683.1	716.6
20°	514.9	521.5	535.2	549.8	567.5	581.1	597.9	615.1	639.8	668.7	703.6
22.5°	495.3	501.7	516.1	529.7	547.0	563.6	581.2	601.1	624.8	655.3	690.9
25°	465.0	473.6	486.3	500.3	516.7	535.8	554.8	572.6	597.9	630.0	668.1
27.5°	438.2	445.1	454.3	470.1	488.9	507.2	526.1	548.5	572.8	606.7	646.2
30°	420.9	427.3	436.5	451.1	468.6	488.2	507.8	529.5	554.8	588.4	628.8
32.5°	407.2	412.1	420.3	433.3	449.2	469.9	489.3	511.7	538.3	571.4	610.7
35°	387.0	391.1	394.3	406.7	420.9	440.0	459.7	483.5	509.2	540.5	579.8
37.5°	367.1	368.5	373.2	381.3	395.1	412.6	430.9	454.3	480.6	512.6	548.0
40°	355.0	355.6	358.5	366.1	378.1	394.6	412.4	435.5	460.6	490.7	525.9
42.5°	343.1	342.7	345.3	350.6	361.9	376.8	394.4	415.5	440.6	468.4	501.6
45°	324.2	324.2	323.6	328.0	337.2	351.8	366.4	386.7	407.6	434.9	462.8
47.5°	304.5	302.7	303.3	305.6	313.3	325.3	340.1	356.7	375.1	398.3	422.7
50°	291.9	289.3	288.4	290.9	297.8	308.3	322.3	336.9	354.3	374.6	395.6
52.5°	277.9	275.3	273.6	275.4	281.8	291.6	304.3	317.1	332.7	349.3	367.4
55°	256.3	253.5	252.5	253.2	257.9	265.5	276.3	288.0	299.8	313.4	326.1
57.5°	235.1	230.4	229.5	229.2	232.4	239.5	248.4	258.6	267.2	275.4	288.9
60°	221.1	215.4	213.5	213.2	215.7	221.4	229.7	239.8	245.8	251.5	263.3
62.5°	206.1	200.6	196.5	196.9	199.2	204.6	211.9	219.2	223.2	229.5	237.4
65°	183.0	176.0	172.8	171.9	173.2	177.7	183.4	188.1	192.6	195.1	202.7
67.5°	160.0	154.1	149.4	148.3	147.7	150.7	155.4	158.3	161.4	163.7	168.2
70°	143.7	138.6	132.9	131.0	130.7	133.2	137.7	138.0	142.4	143.4	148.1
72.5°	127.7	121.4	117.4	115.5	114.2	116.5	119.4	120.3	122.6	124.3	126.9
75°	102.8	98.0	94.2	91.4	90.4	91.6	91.6	93.3	94.8	95.8	98.7
77.5°	80.9	75.4	70.9	69.3	68.2	67.3	68.0	69.0	68.2	69.9	70.5
80°	65.6	59.9	56.5	55.8	53.9	52.3	52.0	53.0	51.7	52.3	54.2
82.5°	50.7	47.0	43.3	42.6	40.2	39.4	39.1	38.5	38.5	38.4	38.7
85°	30.2	27.9	25.4	23.8	22.8	21.3	21.3	20.6	20.0	19.3	19.6
87.5°	17.9	17.1	15.4	14.2	13.2	11.8	11.3	9.9	9.0	8.2	7.3
90°	28.7	27.1	24.9	22.7	20.5	18.3	15.7	12.7	9.7	6.7	3.7
92.5°	49.7	48.7	47.1	45.7	44.1	42.6	40.1	36.6	33.2	29.8	26.3
95°	94.2	93.4	91.6	89.6	87.7	85.8	83.6	81.1	78.7	76.2	73.8
97.5°	148.7	147.7	145.5	143.2	141.0	138.8	136.7	134.8	132.7	130.8	128.8
100°	188.7	188.1	185.6	183.2	180.8	178.2	176.5	175.4	174.3	173.2	172.1
102.5°	230.2	229.4	227.1	224.9	222.7	220.5	219.1	218.7	218.3	217.8	217.4
105°	293.4	292.6	291.5	290.4	289.3	288.2	287.6	287.2	287.0	286.7	286.4
107.5°	361.9	361.2	361.0	360.9	360.7	360.5	360.3	360.0	359.6	359.3	359.0
110°	408.8	409.4	409.6	409.9	410.2	410.5	410.3	409.8	409.2	408.7	408.1



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.5	457.5	458.0	458.5	459.0	459.5	459.7	459.6	459.5	459.4	459.3
115°	533.3	533.5	534.1	534.6	535.2	535.7	536.0	536.0	536.0	536.0	536.0
117.5°	606.6	607.6	607.9	608.3	608.7	609.1	609.2	608.9	608.7	608.5	608.3
120°	656.3	657.7	658.5	659.3	660.1	661.0	660.8	659.7	658.7	657.5	656.5
122.5°	706.0	706.9	707.3	707.6	708.0	708.4	708.3	707.9	707.5	707.0	706.6
125°	778.9	779.4	779.7	779.9	780.2	780.5	780.6	780.6	780.6	780.6	780.6
127.5°	848.9	849.5	849.9	850.4	850.8	851.3	851.0	850.2	849.4	848.6	847.7
130°	898.1	898.6	898.6	898.6	898.6	898.6	898.2	897.4	896.6	895.8	895.0
132.5°	944.4	944.9	945.1	945.3	945.5	945.7	945.6	944.9	944.4	943.8	943.1
135°	1013.7	1014.2	1014.2	1014.2	1014.2	1014.2	1013.4	1011.8	1010.1	1008.4	1006.8
137.5°	1080.8	1081.6	1081.2	1080.7	1080.3	1079.9	1079.2	1078.5	1077.7	1076.9	1076.2
140°	1124.5	1124.9	1124.9	1124.9	1124.9	1124.9	1124.5	1124.1	1123.5	1122.9	1122.4
142.5°	1166.1	1166.1	1166.4	1166.6	1166.8	1167.0	1166.9	1166.3	1165.8	1165.2	1164.7
145°	1229.1	1229.3	1229.1	1228.8	1228.5	1228.2	1227.6	1226.5	1225.4	1224.3	1223.2
147.5°	1285.9	1286.1	1286.4	1286.5	1286.8	1287.0	1286.5	1285.2	1283.9	1282.5	1281.2
150°	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.0	1319.9	1318.8	1317.7	1316.6
152.5°	1354.6	1354.0	1353.8	1353.6	1353.3	1353.2	1352.7	1352.0	1351.4	1350.7	1350.1
155°	1401.3	1400.2	1400.5	1400.8	1401.0	1401.3	1401.4	1401.4	1401.4	1401.4	1401.4
157.5°	1443.1	1442.3	1442.3	1442.3	1442.4	1442.5	1442.8	1443.2	1443.7	1444.2	1444.7
160°	1468.7	1467.9	1468.1	1468.4	1468.7	1468.9	1469.2	1469.5	1469.7	1470.0	1470.3
162.5°	1490.9	1489.5	1489.7	1490.0	1490.3	1490.5	1491.0	1491.8	1492.5	1493.2	1493.9
165°	1521.1	1519.5	1520.0	1520.5	1521.1	1521.7	1522.3	1523.1	1524.0	1524.8	1525.6
167.5°	1546.7	1545.1	1545.0	1544.9	1544.9	1544.8	1545.4	1546.5	1547.7	1548.8	1550.0
170°	1560.4	1558.8	1558.5	1558.3	1558.0	1557.7	1558.3	1559.6	1561.0	1562.4	1563.7
172.5°	1570.5	1568.6	1568.6	1568.6	1568.5	1568.4	1569.0	1570.1	1571.2	1572.4	1573.5
175°	1581.6	1579.7	1580.0	1580.2	1580.5	1580.8	1581.6	1583.0	1584.4	1585.7	1587.1
177.5°	1588.1	1586.6	1586.6	1586.6	1586.6	1586.6	1587.1	1588.2	1589.3	1590.4	1591.5
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	770.9	773.4	776.7	782.3	784.3	786.8	790.4	790.1	791.2	794.9	803.1
5°	773.7	783.5	793.0	804.5	816.5	824.4	835.3	841.9	848.6	857.1	871.7
7.5°	774.9	790.4	807.9	827.9	845.8	866.3	882.4	897.5	911.1	929.2	946.6
10°	773.1	794.0	816.5	841.9	868.9	891.7	912.3	935.8	955.8	977.6	997.4
12.5°	769.7	795.0	825.2	853.5	885.1	918.8	944.5	968.2	994.8	1020.0	1050.4
15°	762.3	796.9	832.1	869.5	911.7	950.7	987.8	1018.6	1047.2	1084.9	1124.5
17.5°	752.8	790.0	834.5	879.8	923.9	968.5	1014.4	1060.6	1096.7	1143.5	1174.6
20°	743.9	787.0	832.7	886.6	930.7	986.3	1031.9	1076.6	1126.1	1172.7	1209.9
22.5°	731.4	778.6	827.1	880.8	938.8	994.3	1047.2	1095.7	1145.2	1195.9	1240.8
25°	715.7	758.5	815.9	876.8	934.5	994.8	1055.4	1116.3	1169.5	1223.2	1265.1
27.5°	688.8	742.8	796.3	859.2	923.3	991.5	1056.3	1120.1	1175.8	1219.9	1245.9
30°	675.1	721.9	780.1	843.2	912.6	985.9	1053.4	1116.0	1168.0	1203.2	1213.7
32.5°	654.8	703.2	760.0	825.4	898.9	974.2	1044.6	1103.5	1147.0	1165.4	1152.8
35°	624.6	668.4	725.8	792.7	869.2	949.4	1018.9	1068.7	1091.0	1073.5	1030.0
37.5°	588.4	631.9	689.5	755.2	834.4	915.9	978.8	1014.6	1007.2	963.8	899.0
40°	563.0	603.6	658.5	729.6	806.7	888.5	943.7	963.1	942.8	880.6	811.8
42.5°	534.9	574.5	629.6	698.1	779.8	855.2	903.4	905.0	871.0	796.6	727.5
45°	492.0	529.8	581.8	653.1	728.6	799.7	831.4	815.9	753.1	681.3	611.9
47.5°	449.7	482.4	533.7	601.4	673.1	733.0	748.7	720.7	653.8	584.2	519.8
50°	418.7	451.8	499.9	564.7	633.8	685.5	693.1	656.0	590.4	520.2	469.8
52.5°	389.1	421.8	468.2	528.1	591.4	638.1	638.3	595.3	529.9	467.5	420.5
55°	345.4	375.0	416.9	470.4	526.9	563.4	554.5	510.1	453.3	399.1	358.2
57.5°	303.5	329.1	367.7	412.5	462.2	492.3	477.5	434.8	384.1	338.1	307.0
60°	276.3	300.7	333.7	375.9	417.8	441.2	427.3	388.6	341.9	304.8	277.9
62.5°	249.9	270.5	302.2	338.8	377.6	395.1	382.6	344.5	304.2	270.6	248.7
65°	212.5	229.3	254.7	286.2	314.4	329.3	318.8	283.2	252.5	228.4	210.9
67.5°	177.7	190.8	210.0	235.2	259.2	267.3	257.7	232.9	206.9	187.6	175.3
70°	153.5	165.9	182.1	201.5	222.3	231.0	221.4	201.8	180.5	162.7	150.7
72.5°	132.5	142.0	155.7	172.3	188.6	197.2	190.7	171.8	153.8	140.6	130.4
75°	100.9	109.1	118.6	130.4	143.1	148.8	143.1	130.0	117.6	107.9	100.5
77.5°	73.4	77.8	85.1	93.9	101.8	106.2	101.3	92.5	84.9	78.2	74.5
80°	55.8	59.0	64.1	71.1	76.5	80.6	77.4	70.1	64.1	59.6	58.0
82.5°	40.6	42.7	46.1	51.3	54.9	57.0	55.6	50.3	47.9	43.9	42.3
85°	20.0	21.3	23.5	25.0	28.2	28.5	28.9	26.7	24.5	23.5	22.2
87.5°	8.2	9.0	10.4	11.7	13.3	14.0	14.2	14.6	14.0	14.1	13.5
90°	6.7	9.7	12.7	15.7	18.3	20.5	22.7	24.9	27.1	28.7	30.3
92.5°	29.8	33.2	36.6	40.1	42.6	44.1	45.7	47.1	48.7	49.7	50.6
95°	76.2	78.7	81.1	83.6	85.8	87.7	89.6	91.6	93.4	94.2	95.1
97.5°	130.8	132.7	134.8	136.7	138.8	141.0	143.2	145.5	147.7	148.7	149.8
100°	173.2	174.3	175.4	176.5	178.2	180.8	183.2	185.6	188.1	188.7	189.1
102.5°	217.8	218.3	218.7	219.1	220.5	222.7	224.9	227.1	229.4	230.2	230.9
105°	286.7	287.0	287.2	287.6	288.2	289.3	290.4	291.5	292.6	293.4	294.2
107.5°	359.3	359.6	360.0	360.3	360.5	360.7	360.9	361.0	361.2	361.9	362.7
110°	408.7	409.2	409.8	410.3	410.5	410.2	409.9	409.6	409.4	408.8	408.3





TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	459.4	459.5	459.6	459.7	459.5	459.0	458.5	458.0	457.5	457.5	457.3
115°	536.0	536.0	536.0	536.0	535.7	535.2	534.6	534.1	533.5	533.3	533.0
117.5°	608.5	608.7	608.9	609.2	609.1	608.7	608.3	607.9	607.6	606.6	605.7
120°	657.5	658.7	659.7	660.8	661.0	660.1	659.3	658.5	657.7	656.3	654.9
122.5°	707.0	707.5	707.9	708.3	708.4	708.0	707.6	707.3	706.9	706.0	705.0
125°	780.6	780.6	780.6	780.6	780.5	780.2	779.9	779.7	779.4	778.9	778.3
127.5°	848.6	849.4	850.2	851.0	851.3	850.8	850.4	849.9	849.5	848.9	848.4
130°	895.8	896.6	897.4	898.2	898.6	898.6	898.6	898.6	898.6	898.1	897.6
132.5°	943.8	944.4	944.9	945.6	945.7	945.5	945.3	945.1	944.9	944.4	943.8
135°	1008.4	1010.1	1011.8	1013.4	1014.2	1014.2	1014.2	1014.2	1014.2	1013.7	1013.1
137.5°	1076.9	1077.7	1078.5	1079.2	1079.9	1080.3	1080.7	1081.2	1081.6	1080.8	1080.2
140°	1122.9	1123.5	1124.1	1124.5	1124.9	1124.9	1124.9	1124.9	1124.9	1124.5	1124.3
142.5°	1165.2	1165.8	1166.3	1166.9	1167.0	1166.8	1166.6	1166.4	1166.1	1166.1	1166.0
145°	1224.3	1225.4	1226.5	1227.6	1228.2	1228.5	1228.8	1229.1	1229.3	1229.1	1228.8
147.5°	1282.5	1283.9	1285.2	1286.5	1287.0	1286.8	1286.5	1286.4	1286.1	1285.9	1285.7
150°	1317.7	1318.8	1319.9	1321.0	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5
152.5°	1350.7	1351.4	1352.0	1352.7	1353.2	1353.3	1353.6	1353.8	1354.0	1354.6	1355.3
155°	1401.4	1401.4	1401.4	1401.4	1401.3	1401.0	1400.8	1400.5	1400.2	1401.3	1402.4
157.5°	1444.2	1443.7	1443.2	1442.8	1442.5	1442.4	1442.3	1442.3	1442.3	1443.1	1443.9
160°	1470.0	1469.7	1469.5	1469.2	1468.9	1468.7	1468.4	1468.1	1467.9	1468.7	1469.5
162.5°	1493.2	1492.5	1491.8	1491.0	1490.5	1490.3	1490.0	1489.7	1489.5	1490.9	1492.4
165°	1524.8	1524.0	1523.1	1522.3	1521.7	1521.1	1520.5	1520.0	1519.5	1521.1	1522.7
167.5°	1548.8	1547.7	1546.5	1545.4	1544.8	1544.9	1544.9	1545.0	1545.1	1546.7	1548.3
170°	1562.4	1561.0	1559.6	1558.3	1557.7	1558.0	1558.3	1558.5	1558.8	1560.4	1562.1
172.5°	1572.4	1571.2	1570.1	1569.0	1568.4	1568.5	1568.6	1568.6	1568.6	1570.5	1572.4
175°	1585.7	1584.4	1583.0	1581.6	1580.8	1580.5	1580.2	1580.0	1579.7	1581.6	1583.6
177.5°	1590.4	1589.3	1588.2	1587.1	1586.6	1586.6	1586.6	1586.6	1586.6	1588.1	1589.7
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	807.1	807.6	809.9	811.7	812.2	814.7	815.0
5°	878.1	883.5	893.9	894.9	896.4	904.7	898.4
7.5°	961.2	974.9	984.0	992.1	995.0	998.6	997.8
10°	1014.5	1034.8	1044.9	1061.1	1061.8	1065.8	1063.3
12.5°	1068.0	1091.6	1110.1	1113.1	1126.7	1128.8	1132.4
15°	1143.9	1169.0	1194.7	1203.9	1222.5	1227.0	1234.0
17.5°	1215.2	1240.8	1258.8	1282.6	1290.3	1300.6	1293.6
20°	1254.3	1282.2	1305.0	1323.7	1331.7	1337.4	1336.8
22.5°	1277.9	1306.0	1324.5	1338.7	1346.1	1348.6	1348.4
25°	1292.7	1308.9	1314.6	1320.0	1311.7	1308.9	1310.1
27.5°	1251.6	1247.3	1232.5	1212.9	1192.6	1176.5	1167.8
30°	1195.0	1170.2	1147.7	1108.4	1088.0	1076.0	1065.2
32.5°	1114.8	1075.5	1032.3	996.2	973.1	955.2	952.5
35°	977.4	918.4	865.4	821.3	798.4	779.1	774.6
37.5°	831.0	769.6	721.9	683.1	658.5	644.9	632.2
40°	733.7	681.1	634.1	601.1	582.4	572.6	564.7
42.5°	658.8	610.7	564.1	538.9	522.0	516.0	511.4
45°	555.5	510.7	478.3	459.3	449.5	439.4	434.6
47.5°	472.6	436.3	414.9	398.8	388.2	382.2	379.1
50°	425.7	395.9	376.8	364.5	355.0	350.2	347.6
52.5°	384.1	359.6	343.6	333.8	327.3	323.8	322.8
55°	330.8	312.2	302.0	293.4	288.7	285.5	284.2
57.5°	287.6	273.2	265.0	257.9	256.1	253.4	252.5
60°	259.2	248.1	241.1	236.4	234.7	231.5	232.2
62.5°	234.1	224.9	219.0	216.3	214.2	211.5	212.4
65°	198.0	191.3	188.1	185.6	183.0	181.5	182.7
67.5°	166.1	161.5	157.2	155.7	154.5	154.3	152.9
70°	145.3	141.5	137.7	136.7	136.7	135.4	135.1
72.5°	125.2	122.5	119.9	119.2	118.2	118.7	117.4
75°	96.8	94.5	93.6	92.6	92.3	92.3	91.4
77.5°	71.5	69.9	68.3	68.3	67.2	66.8	66.6
80°	54.2	53.6	52.3	52.3	51.7	52.0	51.4
82.5°	40.8	39.9	39.6	39.1	38.2	38.3	37.7
85°	21.9	21.0	20.6	19.6	19.0	19.6	19.0
87.5°	14.0	14.1	14.0	13.6	13.5	13.6	13.0
90°	32.0	33.6	34.7	35.2	35.8	36.4	36.9
92.5°	51.6	52.6	53.2	53.6	53.9	54.2	54.5
95°	95.9	96.7	97.1	97.1	97.1	97.1	97.1
97.5°	150.7	151.7	152.2	152.2	152.2	152.2	152.2
100°	189.7	190.3	190.5	190.5	190.5	190.5	190.5
102.5°	231.7	232.4	232.9	233.2	233.4	233.6	233.8
105°	295.1	295.9	296.7	297.5	298.3	299.1	299.9
107.5°	363.5	364.3	364.6	364.5	364.5	364.4	364.4
110°	407.7	407.2	407.3	408.1	409.0	409.8	410.6



TEST NUMBER: P332770-930

CATALOG NUMBER: S124DIW-S575D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	457.2	457.1	457.1	457.3	457.5	457.6	457.8
115°	532.7	532.5	532.1	531.9	531.7	531.3	531.1
117.5°	604.8	603.8	603.1	602.5	602.0	601.4	600.9
120°	653.6	652.2	651.8	652.4	652.9	653.5	654.0
122.5°	704.1	703.2	702.2	701.2	700.3	699.3	698.3
125°	777.8	777.2	776.7	776.1	775.6	775.0	774.5
127.5°	847.8	847.3	846.8	846.4	846.0	845.5	845.1
130°	897.0	896.4	895.6	894.5	893.5	892.3	891.3
132.5°	943.2	942.6	942.2	941.8	941.3	940.9	940.4
135°	1012.6	1012.0	1011.3	1010.5	1009.7	1008.9	1008.0
137.5°	1079.5	1078.7	1078.5	1078.6	1078.8	1079.0	1079.1
140°	1124.1	1123.7	1123.5	1123.2	1122.9	1122.7	1122.4
142.5°	1166.0	1166.0	1165.9	1165.8	1165.8	1165.7	1165.6
145°	1228.5	1228.2	1227.7	1226.9	1226.0	1225.2	1224.4
147.5°	1285.5	1285.2	1285.0	1284.7	1284.5	1284.2	1283.9
150°	1321.5	1321.5	1321.4	1321.1	1320.9	1320.6	1320.3
152.5°	1355.9	1356.6	1356.6	1355.8	1355.2	1354.5	1353.7
155°	1403.5	1404.6	1404.6	1403.5	1402.4	1401.3	1400.2
157.5°	1444.7	1445.5	1445.4	1444.5	1443.7	1442.7	1441.8
160°	1470.3	1471.1	1470.8	1469.5	1468.1	1466.7	1465.3
162.5°	1493.9	1495.3	1495.4	1494.0	1492.7	1491.3	1490.0
165°	1524.4	1526.0	1526.3	1525.2	1524.1	1523.0	1521.9
167.5°	1550.0	1551.6	1551.6	1549.9	1548.2	1546.5	1544.7
170°	1563.7	1565.4	1565.2	1563.3	1561.4	1559.5	1557.5
172.5°	1574.2	1576.1	1576.1	1574.1	1572.2	1570.3	1568.4
175°	1585.4	1587.4	1587.4	1585.4	1583.6	1581.6	1579.7
177.5°	1591.1	1592.7	1592.6	1590.8	1589.1	1587.4	1585.6
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5

(END OF REPORT)