

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: P333394-930

Luminaire Tested: **S125DIW-S610D1560U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333394-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S610D1560U930-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7146.7 lumens  
Efficiency: N/A  
Efficacy: 117.9 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

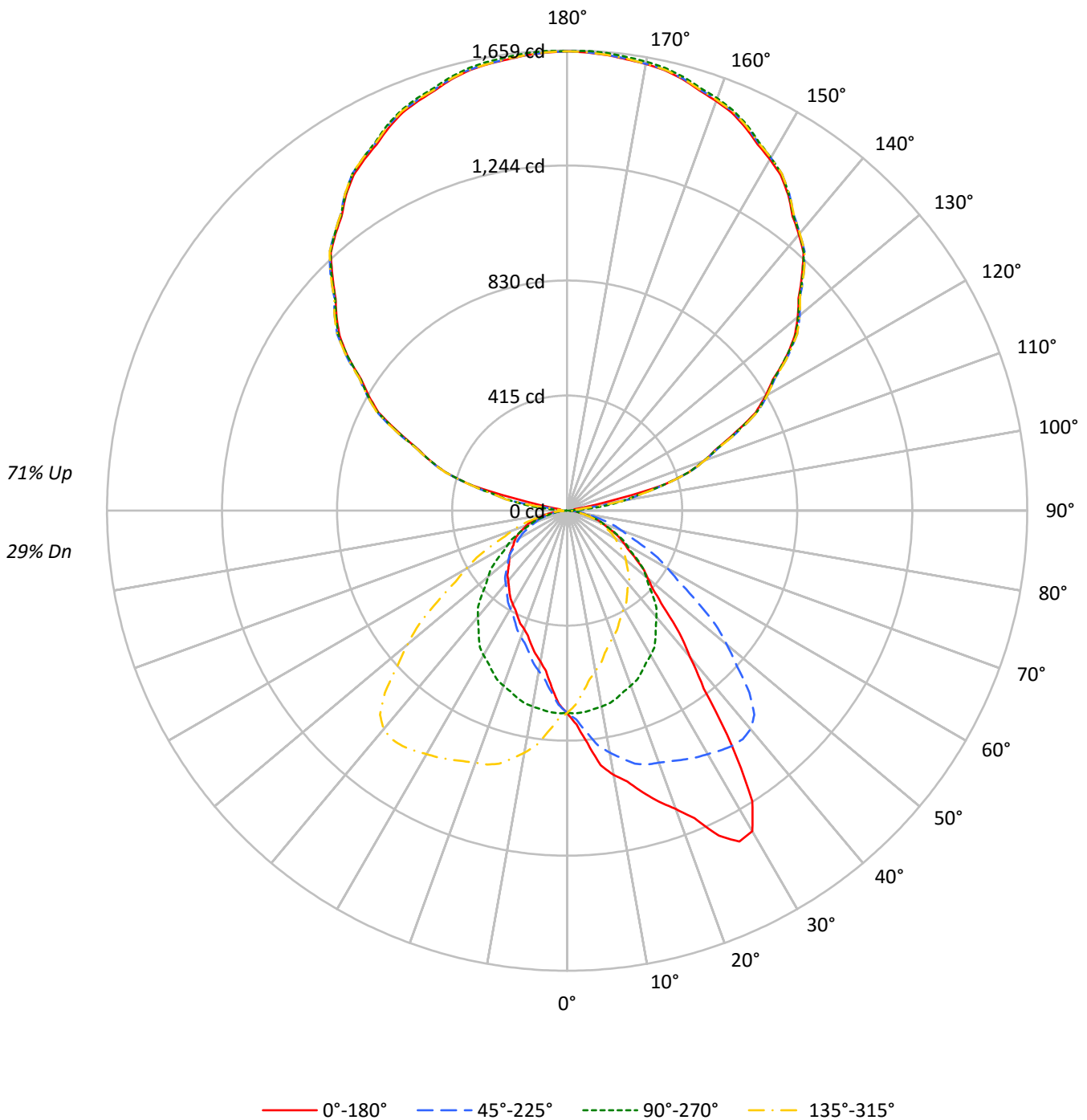
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37	29				
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25				
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	28	26	21				
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18				
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	19	15				
5	65	54	46	40	58	49	42	37	39	34	30	29	26	23	21	19	17	13				
6	60	48	40	35	53	43	37	32	35	30	26	26	23	20	19	17	15	12				
7	55	43	36	30	49	39	33	28	31	26	23	24	21	18	17	15	13	10				
8	51	39	32	27	46	35	29	24	28	24	20	22	18	16	16	13	12	9				
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8				
10	44	33	26	21	40	30	23	19	24	19	16	18	15	13	13	11	10	8				

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

	0°	90°	180°	270°
0°	4713	4713	4713	4713
5°	5457	4729	4140	4729
10°	6349	4704	3628	4704
15°	7029	4670	3346	4670
20°	7867	4615	3120	4615
25°	9217	4554	3011	4554
30°	9955	4492	2915	4492
35°	8185	4378	2852	4378
40°	5818	4220	2783	4220
45°	4469	4005	2744	4005
50°	3815	3741	2739	3741
55°	3397	3480	2762	3480
60°	3065	3196	2833	3196
65°	2830	2911	2905	2911
70°	2572	2613	2948	2613
75°	2273	2303	2922	2303
80°	1912	1878	2670	1878
85°	1519	1356	2156	1356



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.2	1.0
10°-20°	209.2	2.9
20°-30°	339.6	4.8
30°-40°	414.3	5.8
40°-50°	376.9	5.3
50°-60°	300.2	4.2
60°-70°	209.1	2.9
70°-80°	111.5	1.6
80°-90°	31.6	0.4
90°-100°	60.2	0.8
100°-110°	370.8	5.2
110°-120°	672.5	9.4
120°-130°	863.1	12.1
130°-140°	928.3	13.0
140°-150°	871.4	12.2
150°-160°	704.9	9.9
160°-170°	455.9	6.4
170°-180°	157.2	2.2
0°-30°	619.0	8.7
0°-40°	1033.3	14.5
0°-60°	1710.3	23.9
0°-90°	2062.5	28.9
90°-120°	1103.5	15.4
90°-150°	3766.2	52.7
90°-180°	5084.0	71.1
0°-180°	7146.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	730	730	730	730	730	
5°	842	729	639	729	842	85
15°	1051	698	500	698	1051	301
25°	1293	639	422	639	1293	591
35°	1038	555	362	555	1038	635
45°	489	438	300	438	489	392
55°	302	309	245	309	302	272
65°	185	190	190	190	185	184
75°	91	92	117	92	91	98
85°	20	18	29	18	20	24
90°	29	1	29	1	29	13
95°	26	70	26	70	26	21
105°	364	361	364	361	364	330
115°	672	678	672	678	672	668
125°	963	963	963	963	963	857
135°	1197	1202	1197	1202	1197	923
145°	1389	1393	1389	1393	1389	868
155°	1523	1534	1523	1534	1523	702
165°	1610	1619	1610	1619	1610	454
175°	1648	1656	1648	1656	1648	157
180°	1656	1656	1656	1656	1656	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	771.8	770.8	769.8	767.8	769.3	765.1	763.1	759.7	755.5	754.0	752.2
5°	841.8	843.3	844.9	838.4	839.0	834.7	824.8	816.7	810.2	801.8	796.0
7.5°	926.0	922.3	922.1	917.9	910.6	904.8	894.4	881.1	868.3	853.7	841.6
10°	968.2	968.5	965.7	960.7	953.0	947.4	933.8	920.8	905.0	886.4	873.1
12.5°	999.9	1001.2	997.7	991.0	987.2	974.7	964.0	948.5	929.8	914.9	894.6
15°	1051.2	1047.7	1045.3	1036.9	1030.4	1017.4	1000.4	984.2	963.8	944.9	926.0
17.5°	1100.6	1103.3	1098.7	1091.0	1070.9	1055.6	1032.8	1010.8	985.3	960.0	937.4
20°	1144.7	1147.2	1140.0	1126.7	1102.6	1087.4	1057.4	1028.8	999.5	966.9	942.2
22.5°	1199.7	1197.8	1188.1	1167.8	1147.0	1118.8	1086.4	1051.7	1014.8	978.0	945.1
25°	1293.4	1280.3	1274.5	1249.4	1221.8	1180.6	1136.0	1085.2	1039.4	990.8	948.7
27.5°	1345.2	1341.2	1334.6	1317.1	1288.2	1244.1	1191.6	1129.7	1064.9	1003.6	948.4
30°	1334.9	1335.5	1336.1	1330.5	1312.0	1278.8	1226.5	1159.8	1083.0	1014.0	950.2
32.5°	1242.7	1253.9	1264.8	1277.5	1282.7	1276.4	1243.6	1183.4	1104.4	1025.9	949.2
35°	1038.1	1041.5	1076.6	1111.3	1158.3	1194.9	1219.4	1192.7	1126.1	1036.0	948.0
37.5°	809.4	826.2	850.4	889.7	957.6	1018.4	1096.7	1132.6	1111.1	1039.3	945.8
40°	690.1	705.6	721.3	761.2	818.6	892.3	981.1	1057.0	1074.7	1028.8	938.4
42.5°	597.9	610.2	627.7	657.7	705.6	770.9	855.8	955.0	1015.9	998.7	922.8
45°	489.3	497.1	510.7	534.6	569.2	620.4	695.3	803.7	898.1	929.4	885.7
47.5°	418.8	418.8	429.4	445.9	470.9	514.3	569.7	654.7	755.5	830.2	826.7
50°	379.7	378.1	386.5	400.8	420.6	449.4	502.4	570.2	667.2	751.7	775.2
52.5°	346.0	346.2	351.3	361.8	378.5	403.1	442.6	503.8	586.6	673.4	717.7
55°	301.7	300.4	306.3	313.4	325.5	341.6	370.1	416.9	484.0	569.6	627.1
57.5°	261.1	264.4	266.8	271.7	281.8	292.5	316.6	350.9	404.2	477.6	538.5
60°	237.3	240.7	242.5	247.4	255.5	264.8	283.4	311.3	356.2	419.4	479.7
62.5°	215.9	218.6	219.2	223.6	230.2	239.3	253.9	277.3	312.8	368.0	427.2
65°	185.2	185.2	186.5	191.1	194.2	202.3	213.4	230.4	258.9	302.0	352.5
67.5°	155.6	157.1	156.8	158.8	161.7	168.0	175.9	190.0	211.1	242.5	282.9
70°	136.2	137.5	137.2	138.8	141.9	145.9	152.4	165.7	180.8	207.8	242.5
72.5°	119.0	119.4	118.6	120.7	122.5	126.0	133.3	140.4	154.6	177.3	205.9
75°	91.1	91.6	92.3	93.5	95.4	97.3	100.9	108.1	117.4	134.4	152.7
77.5°	68.2	67.1	68.6	68.4	69.5	70.8	74.1	77.9	85.5	96.3	110.5
80°	51.4	51.7	51.7	52.0	53.6	54.5	57.3	60.1	66.0	74.0	83.9
82.5°	37.5	38.3	37.8	38.4	39.7	40.4	41.9	44.2	47.6	54.0	61.1
85°	20.5	18.9	19.5	20.1	20.1	20.5	21.7	22.6	24.5	26.9	29.8
87.5°	11.8	12.1	12.2	12.1	12.1	12.0	12.6	12.4	12.9	13.4	13.9
90°	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3	21.0	19.6	17.7
92.5°	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3	21.0	19.6	17.9
95°	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3	21.0	19.6	30.0
97.5°	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0	52.7	60.4	80.9
100°	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2	172.9	213.5	212.5
102.5°	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1	264.8	272.5	271.8
105°	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1	463.0	462.9	462.4
110°	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1	526.9	527.7	527.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5	589.5	590.6	590.3
115°	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7	683.7	684.9	684.6
117.5°	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6	774.9	776.4	775.3
120°	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3	832.8	833.3	832.5
122.5°	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2	888.8	889.3	888.9
125°	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9	970.9	972.0	972.0
127.5°	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5	1045.1	1045.7	1045.9
130°	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2	1094.0	1094.8	1094.5
132.5°	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6	1138.8	1139.0	1139.5
135°	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3	1205.9	1206.5	1207.0
137.5°	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5	1267.5	1267.3	1267.8
140°	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7	1305.2	1304.6	1304.9
142.5°	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1	1343.0	1343.0	1342.6
145°	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0	1395.7	1395.5	1395.5
147.5°	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3	1441.0	1440.6	1440.3
150°	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1	1469.7	1469.1	1468.5
152.5°	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7	1495.2	1494.6	1494.1
155°	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9	1530.1	1529.3	1528.7
157.5°	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9	1559.1	1558.2	1558.1
160°	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0	1577.0	1575.9	1575.6
162.5°	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6	1593.1	1591.5	1591.3
165°	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9	1614.3	1612.7	1612.4
167.5°	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1	1630.1	1628.2	1627.9
170°	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4	1638.2	1636.0	1635.7
172.5°	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8	1644.9	1642.9	1642.4
175°	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8	1651.7	1649.5	1649.3
177.5°	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8	1655.2	1653.7	1653.4
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	750.7	749.0	747.1	743.6	739.3	737.1	733.7	731.4	726.9	723.3	719.3
5°	788.8	780.8	773.4	763.8	753.3	746.4	738.3	729.4	720.1	710.5	699.9
7.5°	828.3	814.1	798.6	781.9	765.6	750.6	736.3	722.3	709.1	693.2	679.8
10°	854.8	836.8	817.7	795.0	773.1	753.8	734.3	717.3	699.9	681.3	665.0
12.5°	881.3	857.4	830.3	805.4	779.0	755.9	732.9	711.1	689.3	668.7	649.6
15°	900.0	879.0	853.9	818.6	788.8	756.9	726.6	698.4	672.1	649.1	625.0
17.5°	912.3	885.3	858.3	824.4	785.5	749.7	715.3	683.1	653.5	624.4	601.1
20°	914.6	886.7	858.5	825.4	785.5	744.5	710.2	671.5	639.5	609.5	581.0
22.5°	913.9	882.2	851.6	817.4	778.5	740.9	699.3	659.8	625.2	595.7	565.9
25°	906.9	873.1	834.7	800.3	761.9	721.9	679.8	639.0	603.6	569.9	540.5
27.5°	901.0	857.2	813.8	773.6	736.5	699.9	659.7	617.8	578.6	544.4	516.7
30°	893.8	845.8	796.9	755.0	717.0	681.3	643.3	602.4	561.5	528.1	498.3
32.5°	887.4	831.4	779.8	734.3	694.0	659.3	624.2	585.3	545.2	511.2	481.5
35°	875.0	810.2	751.1	699.6	656.6	621.0	591.6	555.3	518.4	485.6	457.1
37.5°	859.2	782.4	718.8	665.0	617.8	580.2	552.9	525.1	489.7	458.0	432.3
40°	846.8	762.5	695.3	640.2	591.3	552.2	526.8	500.5	471.1	441.6	414.4
42.5°	831.1	744.7	671.5	612.2	563.8	525.7	499.0	476.7	450.8	423.3	398.0
45°	802.5	712.3	633.1	569.2	520.3	482.8	455.3	438.5	419.1	393.1	371.7
47.5°	760.3	673.5	591.5	525.6	475.2	440.4	414.6	398.5	384.8	365.5	346.1
50°	722.8	644.5	561.5	496.2	445.6	410.7	386.9	372.3	360.5	345.6	329.2
52.5°	681.0	608.1	532.1	467.4	417.4	382.9	359.5	346.7	337.0	326.3	310.1
55°	614.5	552.5	481.9	420.6	374.5	340.7	320.2	309.1	301.0	293.0	283.1
57.5°	541.2	492.8	430.2	374.1	331.7	300.9	281.8	271.0	264.7	260.6	254.8
60°	489.7	448.2	394.3	343.2	301.7	274.4	255.8	247.4	242.2	238.8	234.5
62.5°	441.8	407.7	357.8	311.2	274.9	249.2	232.5	224.5	219.4	217.8	214.1
65°	371.4	345.0	303.9	265.1	234.2	212.1	198.2	190.5	187.4	185.5	185.8
67.5°	301.9	285.8	252.8	219.8	195.0	176.6	165.4	159.5	157.9	155.5	155.4
70°	259.5	247.4	219.6	190.8	168.8	154.6	144.6	138.4	136.9	135.7	135.3
72.5°	222.1	211.6	187.4	164.3	144.6	132.0	123.8	120.1	117.6	116.8	116.8
75°	167.0	161.0	141.9	123.6	110.0	101.3	95.7	92.3	90.4	90.1	90.4
77.5°	118.7	113.6	101.3	88.4	79.8	73.2	68.5	67.3	65.2	65.3	65.0
80°	89.2	85.8	78.0	67.8	60.7	55.1	52.7	50.5	49.9	48.9	49.9
82.5°	64.7	61.0	55.8	49.2	43.4	40.0	37.5	36.9	36.4	36.0	36.2
85°	31.9	32.2	29.1	24.1	21.7	19.8	18.3	18.3	17.9	17.7	17.9
87.5°	14.1	13.2	11.8	10.7	9.0	7.8	7.1	6.9	6.6	6.8	7.5
90°	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9	17.4	15.8	14.3
95°	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0	69.1	68.3	67.5
97.5°	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0	147.5	149.0	150.5
100°	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0	205.8	206.6	207.4
102.5°	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9	265.9	266.9	268.0
105°	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9	361.9	363.1	364.1
107.5°	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5
110°	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3





TEST NUMBER: P333394-930

CATALOG NUMBER: S125DIW-S610D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2	586.9	587.5	588.2
115°	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5	678.8	680.2	681.6
117.5°	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0	771.9	771.8	771.8
120°	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9	830.6	830.4	830.1
122.5°	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0	883.9	885.0	886.1
125°	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4	965.3	967.3	969.1
127.5°	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2	1041.6	1043.0	1044.4
130°	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4	1088.8	1090.1	1091.5
132.5°	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5	1136.1	1137.7	1139.3
135°	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5	1203.1	1204.8	1206.5
137.5°	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1	1264.5	1266.0	1267.4
140°	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4	1304.0	1304.5	1305.0
142.5°	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7	1340.0	1340.4	1340.7
145°	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0	1393.5	1394.1	1394.7
147.5°	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7	1439.5	1439.4	1439.3
150°	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1468.5	1468.0	1467.5
152.5°	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5	1496.4	1495.2	1494.0
155°	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1	1532.5	1530.9	1529.3
157.5°	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4	1561.4	1560.4	1559.4
160°	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0	1580.4	1578.7	1577.1
162.5°	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7	1596.1	1594.5	1592.8
165°	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9	1617.2	1615.5	1613.9
167.5°	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5	1632.9	1631.2	1629.5
170°	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4	1641.4	1639.6	1637.6
172.5°	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3	1647.4	1645.4	1643.6
175°	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6	1654.0	1652.4	1650.7
177.5°	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6	1657.3	1656.0	1654.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333394-930

CATALOG NUMBER: S125DIW-S610D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	717.1	714.3	712.1	707.1	704.4	700.7	697.7	700.9	697.5	699.0	696.8
5°	694.7	686.0	679.8	670.8	663.1	656.0	650.7	649.8	647.3	646.0	642.4
7.5°	667.8	657.0	646.3	634.5	624.6	614.6	608.1	602.8	599.2	594.6	591.4
10°	651.9	637.4	625.0	610.7	598.3	587.5	578.9	574.5	570.5	564.6	562.5
12.5°	632.3	617.3	602.2	586.9	575.1	563.0	555.5	549.0	546.3	539.6	538.9
15°	608.9	586.3	571.4	556.0	539.5	529.6	523.4	516.3	513.2	508.6	505.2
17.5°	580.9	560.7	542.1	526.1	512.0	503.7	495.9	491.1	485.8	482.7	477.1
20°	560.6	541.4	522.8	505.7	494.9	485.3	479.2	474.5	468.9	467.3	461.8
22.5°	543.5	522.3	504.4	490.2	478.3	467.5	460.8	457.6	453.8	449.0	447.9
25°	515.7	493.7	478.5	464.2	453.7	443.8	439.2	435.1	431.5	428.0	426.8
27.5°	491.6	472.0	454.0	441.1	431.9	422.9	418.8	413.9	411.2	408.5	405.1
30°	474.8	454.7	438.9	426.5	416.5	408.5	404.1	400.8	398.3	395.8	394.0
32.5°	457.5	438.8	423.5	411.4	401.5	395.4	391.5	389.1	386.4	383.4	381.1
35°	434.6	414.1	399.3	388.7	380.9	376.3	371.9	369.8	366.7	366.7	364.2
37.5°	408.7	391.0	377.9	368.3	361.3	357.2	352.5	351.1	349.0	347.7	346.9
40°	393.3	376.9	364.5	354.9	347.5	344.1	340.4	337.9	336.6	335.1	334.5
42.5°	377.5	361.8	349.9	341.0	334.6	331.7	328.2	326.5	324.0	322.0	321.6
45°	353.4	338.2	327.3	320.2	314.7	311.3	309.1	305.4	304.1	301.7	301.3
47.5°	330.5	315.9	305.3	299.5	294.6	291.8	288.4	284.7	283.2	282.0	281.9
50°	313.4	300.1	290.2	284.6	280.0	276.0	272.6	270.1	269.1	269.1	269.8
52.5°	296.1	284.8	276.3	269.5	265.1	260.8	257.7	256.2	254.8	256.2	257.4
55°	270.7	259.3	253.1	246.5	242.2	237.3	235.7	235.1	234.2	236.6	237.8
57.5°	243.8	235.8	228.5	222.1	218.2	215.3	213.2	212.9	214.6	215.7	219.8
60°	226.7	217.4	210.9	205.9	201.3	199.4	198.9	198.2	199.4	202.8	208.1
62.5°	207.9	200.3	193.3	189.6	186.2	183.1	183.0	183.4	185.8	189.7	195.0
65°	180.3	173.7	169.1	164.8	162.0	160.1	160.8	162.0	164.8	170.1	175.9
67.5°	152.2	147.7	143.6	140.1	137.4	137.4	138.0	139.9	143.2	149.2	154.6
70°	134.1	129.1	125.7	124.2	122.1	120.8	122.6	125.7	128.5	134.1	138.8
72.5°	116.0	111.8	109.2	108.1	107.1	106.2	106.8	110.1	113.9	119.5	124.9
75°	89.2	87.6	85.8	84.5	83.6	84.2	84.9	88.0	91.1	96.9	103.1
77.5°	65.1	63.5	62.4	62.0	61.6	61.9	63.6	65.9	69.0	73.2	77.9
80°	49.2	48.6	48.0	47.7	47.7	48.0	50.5	52.0	54.8	58.9	62.5
82.5°	35.9	35.5	35.4	35.3	35.5	35.6	37.1	39.1	41.4	44.5	47.7
85°	18.9	18.3	19.2	19.5	18.9	19.8	20.5	21.7	22.6	24.1	25.7
87.5°	8.2	9.0	9.2	9.9	10.3	11.1	11.2	12.4	13.2	13.9	13.9
90°	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3	23.7	25.1	26.2
92.5°	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3	23.7	25.1	25.9
95°	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3	23.7	25.1	25.8
97.5°	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0	37.3	29.6	25.8
100°	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2	91.6	51.0	30.2
102.5°	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1	249.4	241.7	228.6
105°	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.6
107.5°	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1	463.1	463.2	462.8
110°	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1	525.3	524.5	524.2



TEST NUMBER: P333394-930

CATALOG NUMBER: S125DIW-S610D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5	587.5	586.4	585.7
115°	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7	681.6	680.4	679.1
117.5°	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6	772.2	770.7	769.6
120°	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3	831.7	831.2	830.2
122.5°	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2	887.7	887.1	886.1
125°	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9	968.7	967.7	966.7
127.5°	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5	1043.9	1043.3	1042.0
130°	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2	1092.3	1091.5	1090.4
132.5°	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6	1138.5	1138.3	1137.5
135°	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3	1204.8	1204.3	1203.1
137.5°	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5	1267.6	1267.8	1267.1
140°	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7	1306.3	1306.8	1306.3
142.5°	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1	1343.3	1343.4	1342.6
145°	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0	1396.3	1396.5	1395.9
147.5°	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3	1441.6	1441.9	1441.1
150°	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1	1470.7	1471.3	1470.5
152.5°	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7	1496.2	1496.8	1496.1
155°	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9	1531.7	1532.5	1531.8
157.5°	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9	1560.8	1561.7	1561.1
160°	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0	1579.2	1580.2	1579.7
162.5°	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6	1596.2	1597.7	1597.3
165°	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9	1617.6	1619.3	1618.9
167.5°	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1	1634.0	1636.0	1635.7
170°	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4	1642.6	1644.7	1644.6
172.5°	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8	1648.8	1650.7	1650.5
175°	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8	1656.0	1658.2	1658.1
177.5°	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8	1658.2	1659.8	1659.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333394-930

CATALOG NUMBER: S125DIW-S610D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	695.2	697.0	695.5	697.5	695.5	697.0	695.2	696.8	699.0	697.5	700.9
5°	640.8	638.0	639.8	638.6	639.8	638.0	640.8	642.4	646.0	647.3	649.8
7.5°	590.5	587.8	584.8	583.3	584.8	587.8	590.5	591.4	594.6	599.2	602.8
10°	559.1	555.6	555.3	553.2	555.3	555.6	559.1	562.5	564.6	570.5	574.5
12.5°	536.0	532.8	529.3	528.4	529.3	532.8	536.0	538.9	539.6	546.3	549.0
15°	503.3	500.8	498.6	500.5	498.6	500.8	503.3	505.2	508.6	513.2	516.3
17.5°	476.1	474.0	473.7	471.4	473.7	474.0	476.1	477.1	482.7	485.8	491.1
20°	459.0	457.5	458.0	454.0	458.0	457.5	459.0	461.8	467.3	468.9	474.5
22.5°	445.4	442.3	442.0	441.2	442.0	442.3	445.4	447.9	449.0	453.8	457.6
25°	424.0	422.5	420.9	422.5	420.9	422.5	424.0	426.8	428.0	431.5	435.1
27.5°	405.4	403.5	403.1	403.2	403.1	403.5	405.4	405.1	408.5	411.2	413.9
30°	394.0	390.9	391.2	390.9	391.2	390.9	394.0	394.0	395.8	398.3	400.8
32.5°	381.6	379.4	379.0	378.5	379.0	379.4	381.6	381.1	383.4	386.4	389.1
35°	363.3	363.3	361.7	361.7	361.7	363.3	363.3	364.2	366.7	366.7	369.8
37.5°	346.1	345.8	344.9	345.0	344.9	345.8	346.1	346.9	347.7	349.0	351.1
40°	333.2	333.0	332.0	330.1	332.0	333.0	333.2	334.5	335.1	336.6	337.9
42.5°	320.9	319.8	319.4	318.8	319.4	319.8	320.9	321.6	322.0	324.0	326.5
45°	301.3	301.3	300.8	300.4	300.8	301.3	301.3	301.3	301.7	304.1	305.4
47.5°	282.4	283.0	284.1	284.0	284.1	283.0	282.4	281.9	282.0	283.2	284.7
50°	271.0	271.3	272.2	272.6	272.2	271.3	271.0	269.8	269.1	269.1	270.1
52.5°	258.4	260.2	261.3	261.1	261.3	260.2	258.4	257.4	256.2	254.8	256.2
55°	240.7	242.8	245.0	245.3	245.0	242.8	240.7	237.8	236.6	234.2	235.1
57.5°	223.1	226.2	228.4	229.2	228.4	226.2	223.1	219.8	215.7	214.6	212.9
60°	211.2	215.2	218.0	219.3	218.0	215.2	211.2	208.1	202.8	199.4	198.2
62.5°	199.8	204.3	207.2	207.4	207.2	204.3	199.8	195.0	189.7	185.8	183.4
65°	181.2	185.8	188.3	190.1	188.3	185.8	181.2	175.9	170.1	164.8	162.0
67.5°	161.1	165.8	168.5	170.0	168.5	165.8	161.1	154.6	149.2	143.2	139.9
70°	146.5	151.2	154.8	156.1	154.8	151.2	146.5	138.8	134.1	128.5	125.7
72.5°	132.2	136.2	139.3	140.7	139.3	136.2	132.2	124.9	119.5	113.9	110.1
75°	107.1	112.8	115.5	117.1	115.5	112.8	107.1	103.1	96.9	91.1	88.0
77.5°	82.7	87.7	89.4	90.2	89.4	87.7	82.7	77.9	73.2	69.0	65.9
80°	66.3	69.4	71.6	71.8	71.6	69.4	66.3	62.5	58.9	54.8	52.0
82.5°	51.0	53.5	54.2	55.0	54.2	53.5	51.0	47.7	44.5	41.4	39.1
85°	27.9	29.1	29.4	29.1	29.4	29.1	27.9	25.7	24.1	22.6	21.7
87.5°	14.6	14.5	14.7	15.3	14.7	14.5	14.6	13.9	13.9	13.2	12.4
90°	27.0	27.8	28.6	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3
92.5°	26.3	26.7	27.1	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3
95°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3
97.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0
100°	29.0	28.0	26.9	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2
102.5°	210.0	191.5	172.9	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1
105°	365.3	365.1	364.8	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7
107.5°	461.9	461.1	460.3	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1
110°	524.5	524.7	525.1	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1



TEST NUMBER: P333394-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	585.4	585.0	584.6	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5
115°	677.5	675.8	674.2	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7
117.5°	769.0	768.3	767.5	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6
120°	828.8	827.4	826.1	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3
122.5°	884.5	882.9	881.3	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2
125°	965.9	965.1	964.3	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9
127.5°	1039.9	1038.0	1035.9	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5
130°	1089.1	1087.7	1086.3	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2
132.5°	1136.2	1134.8	1133.4	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6
135°	1201.5	1199.9	1198.2	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3
137.5°	1265.7	1264.3	1262.8	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5
140°	1304.6	1303.0	1301.4	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7
142.5°	1340.9	1339.3	1337.7	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1
145°	1394.2	1392.6	1391.0	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0
147.5°	1439.2	1437.2	1435.3	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3
150°	1468.3	1466.1	1464.0	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1
152.5°	1494.1	1492.2	1490.2	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7
155°	1529.7	1527.5	1525.3	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9
157.5°	1558.9	1556.7	1554.4	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9
160°	1577.5	1575.3	1573.1	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0
162.5°	1594.9	1592.4	1590.1	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6
165°	1616.8	1614.6	1612.4	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9
167.5°	1633.3	1630.8	1628.4	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1
170°	1642.2	1639.7	1637.2	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4
172.5°	1648.0	1645.6	1643.2	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8
175°	1655.6	1653.2	1650.7	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8
177.5°	1657.9	1656.2	1654.4	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333394-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	697.7	700.7	704.4	707.1	712.1	714.3	717.1	719.3	723.3	726.9	731.4
5°	650.7	656.0	663.1	670.8	679.8	686.0	694.7	699.9	710.5	720.1	729.4
7.5°	608.1	614.6	624.6	634.5	646.3	657.0	667.8	679.8	693.2	709.1	722.3
10°	578.9	587.5	598.3	610.7	625.0	637.4	651.9	665.0	681.3	699.9	717.3
12.5°	555.5	563.0	575.1	586.9	602.2	617.3	632.3	649.6	668.7	689.3	711.1
15°	523.4	529.6	539.5	556.0	571.4	586.3	608.9	625.0	649.1	672.1	698.4
17.5°	495.9	503.7	512.0	526.1	542.1	560.7	580.9	601.1	624.4	653.5	683.1
20°	479.2	485.3	494.9	505.7	522.8	541.4	560.6	581.0	609.5	639.5	671.5
22.5°	460.8	467.5	478.3	490.2	504.4	522.3	543.5	565.9	595.7	625.2	659.8
25°	439.2	443.8	453.7	464.2	478.5	493.7	515.7	540.5	569.9	603.6	639.0
27.5°	418.8	422.9	431.9	441.1	454.0	472.0	491.6	516.7	544.4	578.6	617.8
30°	404.1	408.5	416.5	426.5	438.9	454.7	474.8	498.3	528.1	561.5	602.4
32.5°	391.5	395.4	401.5	411.4	423.5	438.8	457.5	481.5	511.2	545.2	585.3
35°	371.9	376.3	380.9	388.7	399.3	414.1	434.6	457.1	485.6	518.4	555.3
37.5°	352.5	357.2	361.3	368.3	377.9	391.0	408.7	432.3	458.0	489.7	525.1
40°	340.4	344.1	347.5	354.9	364.5	376.9	393.3	414.4	441.6	471.1	500.5
42.5°	328.2	331.7	334.6	341.0	349.9	361.8	377.5	398.0	423.3	450.8	476.7
45°	309.1	311.3	314.7	320.2	327.3	338.2	353.4	371.7	393.1	419.1	438.5
47.5°	288.4	291.8	294.6	299.5	305.3	315.9	330.5	346.1	365.5	384.8	398.5
50°	272.6	276.0	280.0	284.6	290.2	300.1	313.4	329.2	345.6	360.5	372.3
52.5°	257.7	260.8	265.1	269.5	276.3	284.8	296.1	310.1	326.3	337.0	346.7
55°	235.7	237.3	242.2	246.5	253.1	259.3	270.7	283.1	293.0	301.0	309.1
57.5°	213.2	215.3	218.2	222.1	228.5	235.8	243.8	254.8	260.6	264.7	271.0
60°	198.9	199.4	201.3	205.9	210.9	217.4	226.7	234.5	238.8	242.2	247.4
62.5°	183.0	183.1	186.2	189.6	193.3	200.3	207.9	214.1	217.8	219.4	224.5
65°	160.8	160.1	162.0	164.8	169.1	173.7	180.3	185.8	185.5	187.4	190.5
67.5°	138.0	137.4	137.4	140.1	143.6	147.7	152.2	155.4	155.5	157.9	159.5
70°	122.6	120.8	122.1	124.2	125.7	129.1	134.1	135.3	135.7	136.9	138.4
72.5°	106.8	106.2	107.1	108.1	109.2	111.8	116.0	116.8	116.8	117.6	120.1
75°	84.9	84.2	83.6	84.5	85.8	87.6	89.2	90.4	90.1	90.4	92.3
77.5°	63.6	61.9	61.6	62.0	62.4	63.5	65.1	65.0	65.3	65.2	67.3
80°	50.5	48.0	47.7	47.7	48.0	48.6	49.2	49.9	48.9	49.9	50.5
82.5°	37.1	35.6	35.5	35.3	35.4	35.5	35.9	36.2	36.0	36.4	36.9
85°	20.5	19.8	18.9	19.5	19.2	18.3	18.9	17.9	17.7	17.9	18.3
87.5°	11.2	11.1	10.3	9.9	9.2	9.0	8.2	7.5	6.8	6.6	6.9
90°	21.0	19.6	17.7	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	21.0	19.6	17.9	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9
95°	21.0	19.6	30.0	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0
97.5°	52.7	60.4	80.9	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0
100°	172.9	213.5	212.5	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0
102.5°	264.8	272.5	271.8	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9
105°	365.7	365.7	365.7	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9
107.5°	463.0	462.9	462.4	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5
110°	526.9	527.7	527.2	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3



TEST NUMBER: P333394-930

CATALOG NUMBER: S125DIW-S610D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	589.5	590.6	590.3	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2
115°	683.7	684.9	684.6	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5
117.5°	774.9	776.4	775.3	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0
120°	832.8	833.3	832.5	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9
122.5°	888.8	889.3	888.9	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0
125°	970.9	972.0	972.0	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4
127.5°	1045.1	1045.7	1045.9	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2
130°	1094.0	1094.8	1094.5	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4
132.5°	1138.8	1139.0	1139.5	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5
135°	1205.9	1206.5	1207.0	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5
137.5°	1267.5	1267.3	1267.8	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1
140°	1305.2	1304.6	1304.9	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4
142.5°	1343.0	1343.0	1342.6	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7
145°	1395.7	1395.5	1395.5	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0
147.5°	1441.0	1440.6	1440.3	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7
150°	1469.7	1469.1	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1
152.5°	1495.2	1494.6	1494.1	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5
155°	1530.1	1529.3	1528.7	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1
157.5°	1559.1	1558.2	1558.1	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4
160°	1577.0	1575.9	1575.6	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0
162.5°	1593.1	1591.5	1591.3	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7
165°	1614.3	1612.7	1612.4	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9
167.5°	1630.1	1628.2	1627.9	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5
170°	1638.2	1636.0	1635.7	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4
172.5°	1644.9	1642.9	1642.4	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3
175°	1651.7	1649.5	1649.3	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6
177.5°	1655.2	1653.7	1653.4	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333394-930

CATALOG NUMBER: S125DIW-S610D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	733.7	737.1	739.3	743.6	747.1	749.0	750.7	752.2	754.0	755.5	759.7
5°	738.3	746.4	753.3	763.8	773.4	780.8	788.8	796.0	801.8	810.2	816.7
7.5°	736.3	750.6	765.6	781.9	798.6	814.1	828.3	841.6	853.7	868.3	881.1
10°	734.3	753.8	773.1	795.0	817.7	836.8	854.8	873.1	886.4	905.0	920.8
12.5°	732.9	755.9	779.0	805.4	830.3	857.4	881.3	894.6	914.9	929.8	948.5
15°	726.6	756.9	788.8	818.6	853.9	879.0	900.0	926.0	944.9	963.8	984.2
17.5°	715.3	749.7	785.5	824.4	858.3	885.3	912.3	937.4	960.0	985.3	1010.8
20°	710.2	744.5	785.5	825.4	858.5	886.7	914.6	942.2	966.9	999.5	1028.8
22.5°	699.3	740.9	778.5	817.4	851.6	882.2	913.9	945.1	978.0	1014.8	1051.7
25°	679.8	721.9	761.9	800.3	834.7	873.1	906.9	948.7	990.8	1039.4	1085.2
27.5°	659.7	699.9	736.5	773.6	813.8	857.2	901.0	948.4	1003.6	1064.9	1129.7
30°	643.3	681.3	717.0	755.0	796.9	845.8	893.8	950.2	1014.0	1083.0	1159.8
32.5°	624.2	659.3	694.0	734.3	779.8	831.4	887.4	949.2	1025.9	1104.4	1183.4
35°	591.6	621.0	656.6	699.6	751.1	810.2	875.0	948.0	1036.0	1126.1	1192.7
37.5°	552.9	580.2	617.8	665.0	718.8	782.4	859.2	945.8	1039.3	1111.1	1132.6
40°	526.8	552.2	591.3	640.2	695.3	762.5	846.8	938.4	1028.8	1074.7	1057.0
42.5°	499.0	525.7	563.8	612.2	671.5	744.7	831.1	922.8	998.7	1015.9	955.0
45°	455.3	482.8	520.3	569.2	633.1	712.3	802.5	885.7	929.4	898.1	803.7
47.5°	414.6	440.4	475.2	525.6	591.5	673.5	760.3	826.7	830.2	755.5	654.7
50°	386.9	410.7	445.6	496.2	561.5	644.5	722.8	775.2	751.7	667.2	570.2
52.5°	359.5	382.9	417.4	467.4	532.1	608.1	681.0	717.7	673.4	586.6	503.8
55°	320.2	340.7	374.5	420.6	481.9	552.5	614.5	627.1	569.6	484.0	416.9
57.5°	281.8	300.9	331.7	374.1	430.2	492.8	541.2	538.5	477.6	404.2	350.9
60°	255.8	274.4	301.7	343.2	394.3	448.2	489.7	479.7	419.4	356.2	311.3
62.5°	232.5	249.2	274.9	311.2	357.8	407.7	441.8	427.2	368.0	312.8	277.3
65°	198.2	212.1	234.2	265.1	303.9	345.0	371.4	352.5	302.0	258.9	230.4
67.5°	165.4	176.6	195.0	219.8	252.8	285.8	301.9	282.9	242.5	211.1	190.0
70°	144.6	154.6	168.8	190.8	219.6	247.4	259.5	242.5	207.8	180.8	165.7
72.5°	123.8	132.0	144.6	164.3	187.4	211.6	222.1	205.9	177.3	154.6	140.4
75°	95.7	101.3	110.0	123.6	141.9	161.0	167.0	152.7	134.4	117.4	108.1
77.5°	68.5	73.2	79.8	88.4	101.3	113.6	118.7	110.5	96.3	85.5	77.9
80°	52.7	55.1	60.7	67.8	78.0	85.8	89.2	83.9	74.0	66.0	60.1
82.5°	37.5	40.0	43.4	49.2	55.8	61.0	64.7	61.1	54.0	47.6	44.2
85°	18.3	19.8	21.7	24.1	29.1	32.2	31.9	29.8	26.9	24.5	22.6
87.5°	7.1	7.8	9.0	10.7	11.8	13.2	14.1	13.9	13.4	12.9	12.4
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3
92.5°	17.4	15.8	14.3	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3
95°	69.1	68.3	67.5	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3
97.5°	147.5	149.0	150.5	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0
100°	205.8	206.6	207.4	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2
102.5°	265.9	266.9	268.0	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1
105°	361.9	363.1	364.1	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	460.5	460.5	460.5	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1
110°	525.3	525.3	525.3	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	586.9	587.5	588.2	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5
115°	678.8	680.2	681.6	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7
117.5°	771.9	771.8	771.8	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6
120°	830.6	830.4	830.1	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3
122.5°	883.9	885.0	886.1	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2
125°	965.3	967.3	969.1	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9
127.5°	1041.6	1043.0	1044.4	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5
130°	1088.8	1090.1	1091.5	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2
132.5°	1136.1	1137.7	1139.3	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6
135°	1203.1	1204.8	1206.5	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3
137.5°	1264.5	1266.0	1267.4	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5
140°	1304.0	1304.5	1305.0	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7
142.5°	1340.0	1340.4	1340.7	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1
145°	1393.5	1394.1	1394.7	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0
147.5°	1439.5	1439.4	1439.3	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3
150°	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1
152.5°	1496.4	1495.2	1494.0	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7
155°	1532.5	1530.9	1529.3	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9
157.5°	1561.4	1560.4	1559.4	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9
160°	1580.4	1578.7	1577.1	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0
162.5°	1596.1	1594.5	1592.8	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6
165°	1617.2	1615.5	1613.9	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9
167.5°	1632.9	1631.2	1629.5	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1
170°	1641.4	1639.6	1637.6	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4
172.5°	1647.4	1645.4	1643.6	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8
175°	1654.0	1652.4	1650.7	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8
177.5°	1657.3	1656.0	1654.6	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	763.1	765.1	769.3	767.8	769.8	770.8	771.8
5°	824.8	834.7	839.0	838.4	844.9	843.3	841.8
7.5°	894.4	904.8	910.6	917.9	922.1	922.3	926.0
10°	933.8	947.4	953.0	960.7	965.7	968.5	968.2
12.5°	964.0	974.7	987.2	991.0	997.7	1001.2	999.9
15°	1000.4	1017.4	1030.4	1036.9	1045.3	1047.7	1051.2
17.5°	1032.8	1055.6	1070.9	1091.0	1098.7	1103.3	1100.6
20°	1057.4	1087.4	1102.6	1126.7	1140.0	1147.2	1144.7
22.5°	1086.4	1118.8	1147.0	1167.8	1188.1	1197.8	1199.7
25°	1136.0	1180.6	1221.8	1249.4	1274.5	1280.3	1293.4
27.5°	1191.6	1244.1	1288.2	1317.1	1334.6	1341.2	1345.2
30°	1226.5	1278.8	1312.0	1330.5	1336.1	1335.5	1334.9
32.5°	1243.6	1276.4	1282.7	1277.5	1264.8	1253.9	1242.7
35°	1219.4	1194.9	1158.3	1111.3	1076.6	1041.5	1038.1
37.5°	1096.7	1018.4	957.6	889.7	850.4	826.2	809.4
40°	981.1	892.3	818.6	761.2	721.3	705.6	690.1
42.5°	855.8	770.9	705.6	657.7	627.7	610.2	597.9
45°	695.3	620.4	569.2	534.6	510.7	497.1	489.3
47.5°	569.7	514.3	470.9	445.9	429.4	418.8	418.8
50°	502.4	449.4	420.6	400.8	386.5	378.1	379.7
52.5°	442.6	403.1	378.5	361.8	351.3	346.2	346.0
55°	370.1	341.6	325.5	313.4	306.3	300.4	301.7
57.5°	316.6	292.5	281.8	271.7	266.8	264.4	261.1
60°	283.4	264.8	255.5	247.4	242.5	240.7	237.3
62.5°	253.9	239.3	230.2	223.6	219.2	218.6	215.9
65°	213.4	202.3	194.2	191.1	186.5	185.2	185.2
67.5°	175.9	168.0	161.7	158.8	156.8	157.1	155.6
70°	152.4	145.9	141.9	138.8	137.2	137.5	136.2
72.5°	133.3	126.0	122.5	120.7	118.6	119.4	119.0
75°	100.9	97.3	95.4	93.5	92.3	91.6	91.1
77.5°	74.1	70.8	69.5	68.4	68.6	67.1	68.2
80°	57.3	54.5	53.6	52.0	51.7	51.7	51.4
82.5°	41.9	40.4	39.7	38.4	37.8	38.3	37.5
85°	21.7	20.5	20.1	20.1	19.5	18.9	20.5
87.5°	12.6	12.0	12.1	12.1	12.2	12.1	11.8
90°	23.7	25.1	26.2	27.0	27.8	28.6	29.4
92.5°	23.7	25.1	25.9	26.3	26.7	27.1	27.5
95°	23.7	25.1	25.8	25.8	25.8	25.8	25.8
97.5°	37.3	29.6	25.8	25.8	25.8	25.8	25.8
100°	91.6	51.0	30.2	29.0	28.0	26.9	25.8
102.5°	249.4	241.7	228.6	210.0	191.5	172.9	154.4
105°	365.7	365.7	365.6	365.3	365.1	364.8	364.5
107.5°	463.1	463.2	462.8	461.9	461.1	460.3	459.5
110°	525.3	524.5	524.2	524.5	524.7	525.1	525.3



TEST NUMBER: P333394-930

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	587.5	586.4	585.7	585.4	585.0	584.6	584.2
115°	681.6	680.4	679.1	677.5	675.8	674.2	672.5
117.5°	772.2	770.7	769.6	769.0	768.3	767.5	766.8
120°	831.7	831.2	830.2	828.8	827.4	826.1	824.8
122.5°	887.7	887.1	886.1	884.5	882.9	881.3	879.7
125°	968.7	967.7	966.7	965.9	965.1	964.3	963.4
127.5°	1043.9	1043.3	1042.0	1039.9	1038.0	1035.9	1033.9
130°	1092.3	1091.5	1090.4	1089.1	1087.7	1086.3	1084.9
132.5°	1138.5	1138.3	1137.5	1136.2	1134.8	1133.4	1132.0
135°	1204.8	1204.3	1203.1	1201.5	1199.9	1198.2	1196.6
137.5°	1267.6	1267.8	1267.1	1265.7	1264.3	1262.8	1261.4
140°	1306.3	1306.8	1306.3	1304.6	1303.0	1301.4	1299.8
142.5°	1343.3	1343.4	1342.6	1340.9	1339.3	1337.7	1336.0
145°	1396.3	1396.5	1395.9	1394.2	1392.6	1391.0	1389.4
147.5°	1441.6	1441.9	1441.1	1439.2	1437.2	1435.3	1433.3
150°	1470.7	1471.3	1470.5	1468.3	1466.1	1464.0	1461.8
152.5°	1496.2	1496.8	1496.1	1494.1	1492.2	1490.2	1488.2
155°	1531.7	1532.5	1531.8	1529.7	1527.5	1525.3	1523.1
157.5°	1560.8	1561.7	1561.1	1558.9	1556.7	1554.4	1552.3
160°	1579.2	1580.2	1579.7	1577.5	1575.3	1573.1	1571.0
162.5°	1596.2	1597.7	1597.3	1594.9	1592.4	1590.1	1587.6
165°	1617.6	1619.3	1618.9	1616.8	1614.6	1612.4	1610.2
167.5°	1634.0	1636.0	1635.7	1633.3	1630.8	1628.4	1626.0
170°	1642.6	1644.7	1644.6	1642.2	1639.7	1637.2	1634.8
172.5°	1648.8	1650.7	1650.5	1648.0	1645.6	1643.2	1640.7
175°	1656.0	1658.2	1658.1	1655.6	1653.2	1650.7	1648.3
177.5°	1658.2	1659.8	1659.7	1657.9	1656.2	1654.4	1652.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6

(END OF REPORT)