

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: P333413-830

Luminaire Tested: **S125DIW-S850D1050U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333413-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S850D1050U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6680.9 lumens  
Efficiency: N/A  
Efficacy: 127.0 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: General Diffuse

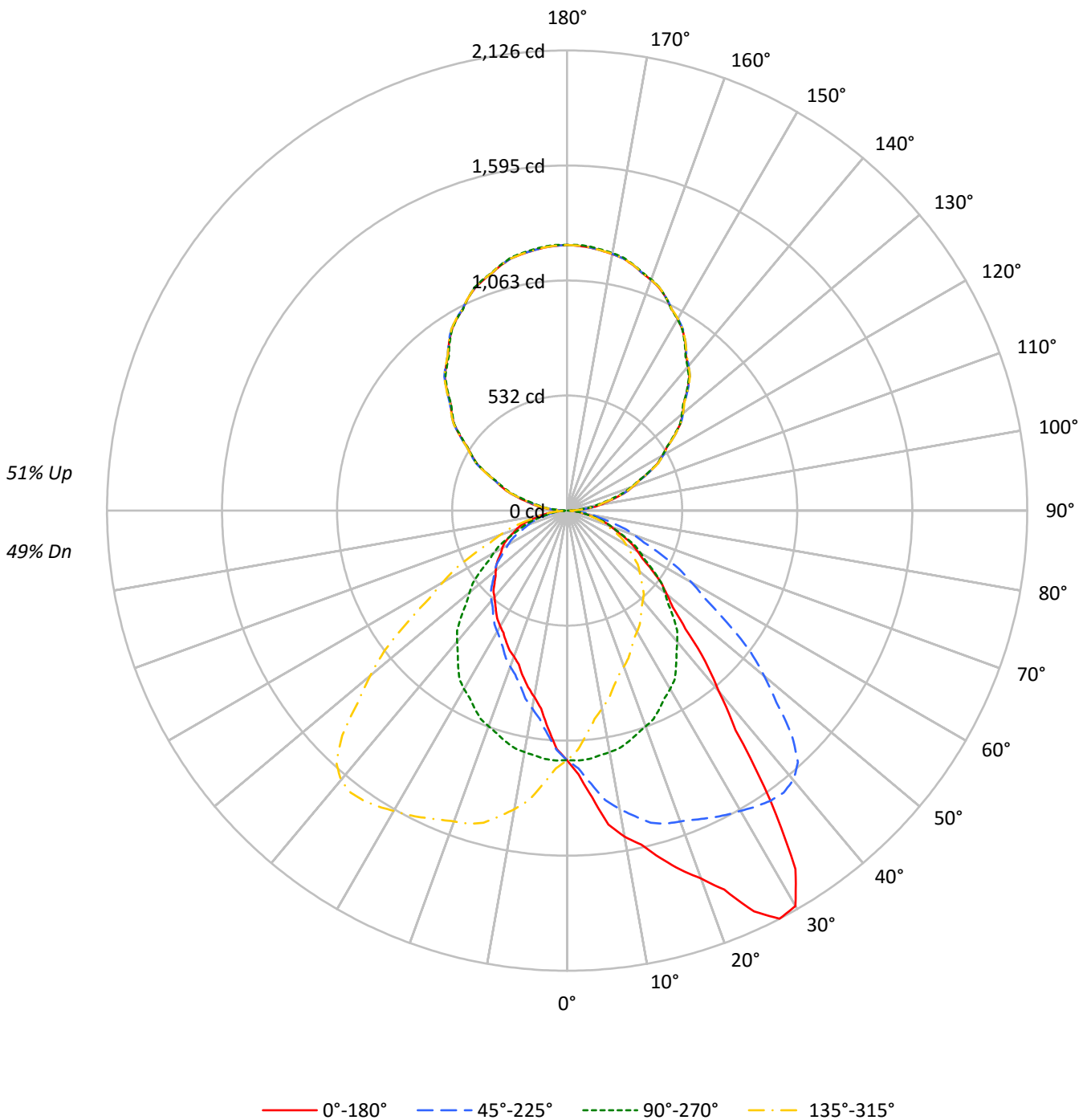
Input Watts (W): 52.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49																				
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	42																				
2	89	82	76	71	82	76	70	66	64	60	57	53	51	48	43	41	40	35																				
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	39	36	34	30																				
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26																				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22																				
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20																				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																				
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16																				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14																				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13																				

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

	0°	90°	180°	270°
0°	7447	7447	7447	7447
5°	8624	7472	6543	7472
10°	10033	7433	5732	7433
15°	11106	7379	5288	7379
20°	12432	7292	4931	7292
25°	14564	7195	4757	7195
30°	15731	7099	4606	7099
35°	12934	6918	4507	6918
40°	9193	6668	4398	6668
45°	7063	6330	4337	6330
50°	6028	5910	4326	5910
55°	5368	5499	4365	5499
60°	4841	5052	4476	5052
65°	4473	4600	4592	4600
70°	4067	4132	4658	4132
75°	3591	3638	4616	3638
80°	3020	2964	4225	2964
85°	2393	2134	3409	2134



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.0	1.7
10°-20°	330.5	4.9
20°-30°	536.7	8.0
30°-40°	654.6	9.8
40°-50°	595.5	8.9
50°-60°	474.4	7.1
60°-70°	330.4	4.9
70°-80°	176.2	2.6
80°-90°	47.1	0.7
90°-100°	82.2	1.2
100°-110°	242.7	3.6
110°-120°	411.1	6.2
120°-130°	541.1	8.1
130°-140°	606.3	9.1
140°-150°	594.2	8.9
150°-160°	499.1	7.5
160°-170°	331.7	5.0
170°-180°	116.1	1.7
0°-30°	978.2	14.6
0°-40°	1632.8	24.4
0°-60°	2702.7	40.5
0°-90°	3256.4	48.7
90°-120°	736.0	11.0
90°-150°	2477.6	37.1
90°-180°	3424.0	51.3
0°-180°	6680.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1153	1153	1153	1153	1153	
5°	1330	1152	1009	1152	1330	134
15°	1661	1104	791	1104	1661	476
25°	2044	1010	668	1010	2044	934
35°	1640	878	572	878	1640	1004
45°	773	693	475	693	773	619
55°	477	488	388	488	477	429
65°	293	301	300	301	293	290
75°	144	146	185	146	144	155
85°	32	29	46	29	32	38
90°	23	1	23	1	23	14
95°	82	62	82	62	82	84
105°	237	218	237	218	237	251
115°	416	412	416	412	416	411
125°	604	601	604	601	604	540
135°	784	781	784	781	784	605
145°	950	946	950	946	950	593
155°	1083	1083	1083	1083	1083	498
165°	1175	1178	1175	1178	1175	331
175°	1220	1224	1220	1224	1220	116
180°	1227	1227	1227	1227	1227	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1219.7	1218.0	1216.5	1213.3	1215.7	1209.1	1205.9	1200.4	1193.8	1191.5	1188.7
5°	1330.2	1332.7	1335.1	1324.8	1325.9	1319.0	1303.3	1290.6	1280.3	1267.2	1257.8
7.5°	1463.4	1457.5	1457.1	1450.5	1439.0	1429.8	1413.3	1392.4	1372.2	1349.1	1329.9
10°	1529.9	1530.4	1526.0	1518.2	1506.0	1497.1	1475.6	1455.0	1430.1	1400.7	1379.7
12.5°	1580.1	1582.1	1576.5	1565.9	1560.0	1540.2	1523.3	1498.9	1469.2	1445.8	1413.7
15°	1661.1	1655.7	1651.8	1638.6	1628.3	1607.8	1580.8	1555.4	1523.1	1493.2	1463.4
17.5°	1739.2	1743.5	1736.2	1724.1	1692.2	1668.2	1632.1	1597.2	1557.1	1517.0	1481.4
20°	1808.9	1812.8	1801.6	1780.6	1742.4	1718.3	1670.8	1625.9	1579.3	1528.0	1488.8
22.5°	1895.8	1892.7	1877.5	1845.5	1812.4	1768.1	1716.7	1661.9	1603.6	1545.6	1493.6
25°	2043.8	2023.3	2013.9	1974.3	1930.8	1865.7	1795.2	1715.0	1642.5	1565.7	1499.1
27.5°	2125.8	2119.4	2109.0	2081.4	2035.6	1966.0	1882.9	1785.1	1682.9	1585.9	1498.8
30°	2109.4	2110.4	2111.4	2102.5	2073.2	2020.8	1938.2	1832.9	1711.5	1602.3	1501.6
32.5°	1963.8	1981.6	1998.6	2018.7	2026.9	2016.9	1965.1	1870.1	1745.2	1621.2	1500.0
35°	1640.5	1646.0	1701.2	1756.1	1830.4	1888.2	1926.8	1884.8	1779.5	1637.1	1498.1
37.5°	1279.1	1305.6	1343.9	1405.8	1513.2	1609.3	1733.0	1789.8	1755.9	1642.3	1494.7
40°	1090.4	1114.9	1139.8	1203.0	1293.5	1410.0	1550.5	1670.4	1698.3	1625.9	1482.9
42.5°	944.8	964.1	991.8	1039.3	1115.0	1218.1	1352.4	1509.1	1605.5	1578.1	1458.3
45°	773.3	785.5	807.1	844.7	899.6	980.3	1098.7	1270.1	1419.3	1468.8	1399.8
47.5°	661.9	661.8	678.5	704.6	744.1	812.8	900.3	1034.5	1194.0	1311.9	1306.5
50°	600.0	597.6	610.8	633.3	664.6	710.1	793.8	901.0	1054.2	1187.8	1225.0
52.5°	546.8	547.1	555.2	571.8	598.0	637.0	699.5	796.1	927.0	1064.1	1134.2
55°	476.7	474.8	484.0	495.3	514.3	539.8	584.8	658.7	765.0	900.0	991.1
57.5°	412.5	417.8	421.6	429.4	445.3	462.3	500.3	554.5	638.8	754.7	850.9
60°	374.8	380.3	383.2	391.1	403.8	418.5	447.8	491.9	562.8	662.7	758.1
62.5°	341.2	345.4	346.4	353.5	363.8	378.1	401.2	438.2	494.3	581.6	675.1
65°	292.7	292.7	294.6	302.0	306.9	319.6	337.2	364.1	409.2	477.2	556.9
67.5°	245.9	248.3	247.7	251.0	255.5	265.3	278.0	300.2	333.6	383.2	447.0
70°	215.4	217.3	216.8	219.2	224.1	230.5	240.8	261.8	285.8	328.4	383.2
72.5°	187.9	188.7	187.5	190.7	193.6	199.2	210.7	221.9	244.3	280.2	325.3
75°	143.9	144.9	145.8	147.8	150.7	153.6	159.6	170.8	185.5	212.4	241.3
77.5°	107.8	106.0	108.4	108.1	109.7	112.0	117.2	123.1	135.2	152.2	174.6
80°	81.2	81.7	81.7	82.2	84.6	86.1	90.6	94.9	104.2	117.0	132.6
82.5°	59.3	60.6	59.9	60.7	62.8	63.8	66.3	69.8	75.3	85.3	96.6
85°	32.3	29.9	30.8	31.9	31.9	32.3	34.2	35.7	38.6	42.6	46.9
87.5°	13.9	14.6	14.9	14.8	15.1	14.9	16.2	16.0	17.0	17.9	19.2
90°	22.9	22.2	21.7	21.0	20.4	19.5	18.5	17.4	16.3	15.3	13.8
92.5°	45.1	44.6	44.1	43.6	43.2	42.3	40.9	39.5	38.1	36.7	34.9
95°	82.1	81.7	81.2	80.9	80.4	79.5	77.9	76.5	75.0	73.5	71.4
97.5°	124.5	124.3	124.0	123.8	123.5	122.7	121.3	119.9	118.5	117.1	114.1
100°	156.7	156.2	155.8	155.3	155.0	153.7	151.8	150.0	148.1	146.1	143.4
102.5°	188.7	188.1	187.6	186.9	186.3	185.0	182.9	180.9	178.8	176.7	175.3
105°	236.9	236.2	235.5	235.0	234.3	233.4	232.1	230.8	229.5	228.3	227.0
107.5°	286.2	286.2	286.3	286.3	286.3	286.0	285.4	284.7	284.1	283.4	282.5
110°	322.8	323.0	323.2	323.5	323.7	323.5	322.8	322.2	321.5	320.9	320.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	358.7	359.1	359.5	359.9	360.2	360.2	360.0	359.7	359.4	359.1	358.3
115°	415.5	415.7	415.8	416.0	416.3	416.5	416.7	416.9	417.2	417.4	416.9
117.5°	470.8	471.6	472.5	473.3	474.2	474.6	474.4	474.2	474.1	473.9	473.5
120°	509.1	509.9	510.8	511.6	512.5	512.8	512.8	512.8	512.8	512.8	512.6
122.5°	547.2	547.9	548.6	549.3	550.0	550.4	550.5	550.7	550.9	551.1	550.5
125°	604.5	604.7	604.9	605.2	605.4	605.7	606.1	606.5	607.0	607.4	607.2
127.5°	659.6	660.0	660.4	660.8	661.3	661.6	661.8	661.9	662.2	662.4	662.1
130°	696.3	696.6	697.1	697.5	698.0	698.2	698.4	698.7	698.9	699.1	698.7
132.5°	730.6	731.2	731.8	732.4	733.0	733.4	733.6	733.8	734.1	734.2	734.3
135°	784.1	784.9	785.8	786.6	787.5	787.9	787.9	787.9	787.9	787.9	787.7
137.5°	836.4	837.4	838.6	839.6	840.7	841.0	840.8	840.6	840.3	840.1	839.6
140°	870.1	871.1	872.1	873.3	874.3	874.6	874.2	873.7	873.4	872.9	872.2
142.5°	902.1	903.2	904.3	905.3	906.3	906.8	906.5	906.3	906.0	905.8	904.9
145°	950.3	950.9	951.5	952.2	952.8	953.1	953.1	953.1	953.1	953.1	952.5
147.5°	991.4	992.8	994.2	995.7	997.1	997.6	997.0	996.6	996.1	995.5	995.0
150°	1021.9	1022.3	1022.8	1023.1	1023.6	1023.8	1023.8	1023.8	1023.8	1023.8	1022.9
152.5°	1047.1	1047.8	1048.7	1049.4	1050.2	1050.3	1049.8	1049.2	1048.8	1048.3	1047.9
155°	1083.0	1084.1	1085.1	1086.2	1087.2	1087.4	1086.6	1085.7	1084.9	1084.0	1083.7
157.5°	1113.0	1114.4	1115.8	1117.2	1118.6	1118.9	1118.0	1117.2	1116.3	1115.5	1115.3
160°	1133.6	1134.7	1135.8	1136.8	1137.8	1138.0	1137.2	1136.3	1135.5	1134.6	1134.3
162.5°	1151.2	1152.4	1153.7	1154.9	1156.1	1156.2	1155.2	1154.2	1153.2	1152.2	1152.2
165°	1174.7	1176.0	1177.2	1178.6	1179.8	1180.0	1179.1	1178.3	1177.4	1176.6	1176.4
167.5°	1193.4	1194.8	1196.1	1197.4	1198.7	1198.7	1197.4	1196.2	1194.9	1193.6	1193.6
170°	1203.3	1204.9	1206.4	1207.8	1209.3	1209.4	1208.2	1206.8	1205.6	1204.3	1204.3
172.5°	1211.7	1213.1	1214.4	1215.7	1217.0	1217.0	1215.8	1214.5	1213.2	1211.9	1211.9
175°	1219.6	1221.1	1222.6	1224.1	1225.5	1225.7	1224.4	1223.0	1221.8	1220.5	1220.5
177.5°	1224.2	1225.4	1226.5	1227.8	1228.9	1229.0	1228.0	1227.0	1226.0	1224.9	1225.1
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1186.4	1183.6	1180.4	1175.0	1168.4	1164.8	1159.3	1155.8	1148.8	1142.9	1136.6
5°	1246.5	1233.8	1222.1	1206.9	1190.2	1179.5	1166.8	1152.5	1137.9	1122.8	1106.1
7.5°	1308.9	1286.4	1261.9	1235.6	1209.8	1186.2	1163.6	1141.3	1120.6	1095.5	1074.3
10°	1350.8	1322.4	1292.0	1256.3	1221.6	1191.3	1160.5	1133.5	1106.1	1076.8	1050.7
12.5°	1392.7	1354.9	1312.0	1272.8	1231.0	1194.4	1158.1	1123.7	1089.3	1056.8	1026.5
15°	1422.3	1388.9	1349.3	1293.5	1246.5	1196.2	1148.2	1103.6	1062.1	1025.9	987.7
17.5°	1441.7	1398.8	1356.3	1302.8	1241.1	1184.8	1130.5	1079.5	1032.6	986.7	949.9
20°	1445.3	1401.2	1356.7	1304.3	1241.1	1176.6	1122.3	1061.0	1010.7	963.2	918.1
22.5°	1444.1	1394.2	1345.7	1291.8	1230.2	1170.7	1105.0	1042.6	988.0	941.2	894.3
25°	1433.0	1379.7	1319.0	1264.7	1204.0	1140.9	1074.3	1009.7	953.9	900.5	854.0
27.5°	1423.8	1354.6	1285.9	1222.6	1163.9	1106.1	1042.4	976.2	914.4	860.3	816.4
30°	1412.5	1336.6	1259.2	1193.2	1133.0	1076.8	1016.5	952.0	887.3	834.4	787.5
32.5°	1402.3	1313.9	1232.3	1160.4	1096.6	1041.9	986.4	924.9	861.5	807.9	760.8
35°	1382.6	1280.3	1186.8	1105.6	1037.6	981.3	934.8	877.5	819.3	767.4	722.4
37.5°	1357.6	1236.2	1136.0	1050.7	976.2	916.9	873.6	829.6	773.7	723.8	683.1
40°	1338.0	1204.9	1098.7	1011.6	934.3	872.6	832.5	790.9	744.4	698.0	654.9
42.5°	1313.4	1176.8	1061.2	967.4	890.8	830.8	788.6	753.3	712.3	668.9	629.0
45°	1268.1	1125.7	1000.4	899.6	822.2	763.0	719.4	693.1	662.2	621.0	587.3
47.5°	1201.5	1064.3	934.7	830.7	750.8	696.0	655.2	629.8	608.0	577.5	546.9
50°	1142.3	1018.5	887.3	784.0	704.3	648.9	611.3	588.2	569.7	546.2	520.3
52.5°	1076.1	960.9	840.7	738.7	659.7	605.1	568.3	548.0	532.5	515.7	490.1
55°	971.0	873.2	761.6	664.6	591.7	538.4	506.1	488.4	475.7	463.0	447.3
57.5°	855.2	778.6	679.8	591.3	524.1	475.5	445.4	428.2	418.4	411.8	402.6
60°	773.7	708.2	623.0	542.2	476.7	433.7	404.3	391.1	382.8	377.3	370.5
62.5°	698.2	644.4	565.4	491.7	434.4	393.7	367.5	354.7	346.7	344.0	338.4
65°	586.8	545.3	480.1	419.0	370.0	335.3	313.2	301.0	296.1	293.1	293.7
67.5°	477.1	451.8	399.4	347.3	308.2	279.1	261.5	252.0	249.6	245.7	245.6
70°	410.1	391.1	347.0	301.5	266.7	244.2	228.6	218.8	216.3	214.3	213.9
72.5°	351.0	334.3	296.1	259.6	228.4	208.6	195.7	189.8	185.8	184.6	184.5
75°	263.8	254.5	224.1	195.3	173.7	160.0	151.3	145.8	142.9	142.4	142.9
77.5°	187.6	179.5	160.1	139.7	126.1	115.7	108.3	106.4	103.1	103.2	102.6
80°	140.9	135.5	123.4	107.2	96.0	87.1	83.2	79.7	78.8	77.3	78.8
82.5°	102.2	96.4	88.1	77.9	68.5	63.2	59.3	58.2	57.7	56.9	57.3
85°	50.4	50.9	46.0	38.2	34.2	31.3	28.8	28.8	28.4	27.9	28.4
87.5°	19.7	18.6	16.8	15.3	12.9	11.4	10.7	10.7	9.9	9.9	10.7
90°	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9	2.6	4.3	6.0
92.5°	33.0	31.2	29.4	27.9	26.7	25.4	24.3	23.1	24.3	25.4	26.7
95°	69.3	67.2	65.0	63.8	63.3	63.0	62.5	62.1	62.5	63.0	63.3
97.5°	111.2	108.3	105.4	103.9	103.7	103.5	103.3	103.1	103.3	103.5	103.7
100°	140.6	137.8	135.1	133.7	133.7	133.7	133.7	133.7	133.7	133.7	133.7
102.5°	173.9	172.5	171.1	169.9	169.1	168.2	167.4	166.5	167.4	168.2	169.1
105°	225.7	224.4	223.2	222.0	220.9	219.9	218.8	217.7	218.8	219.9	220.9
107.5°	281.5	280.5	279.6	278.5	277.5	276.4	275.3	274.3	275.3	276.4	277.5
110°	319.6	319.0	318.4	317.5	316.4	315.4	314.3	313.2	314.3	315.4	316.4





TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	357.5	356.7	355.9	355.2	354.7	354.1	353.5	353.0	353.5	354.1	354.7
115°	416.5	416.0	415.7	415.0	414.2	413.3	412.5	411.6	412.5	413.3	414.2
117.5°	473.2	472.8	472.4	472.0	471.6	471.2	470.8	470.4	470.8	471.2	471.6
120°	512.5	512.2	512.0	511.3	510.3	509.3	508.2	507.1	508.2	509.3	510.3
122.5°	550.0	549.4	548.8	548.4	548.0	547.6	547.2	546.9	547.2	547.6	548.0
125°	607.0	606.8	606.5	605.8	604.5	603.2	602.0	600.7	602.0	603.2	604.5
127.5°	661.9	661.7	661.4	660.9	660.2	659.5	658.7	658.0	658.7	659.5	660.2
130°	698.2	697.9	697.4	696.6	695.6	694.6	693.4	692.4	693.4	694.6	695.6
132.5°	734.4	734.5	734.6	733.8	732.0	730.3	728.5	726.8	728.5	730.3	732.0
135°	787.5	787.3	787.0	786.4	785.0	783.7	782.5	781.2	782.5	783.7	785.0
137.5°	839.1	838.7	838.2	837.4	836.1	834.9	833.7	832.5	833.7	834.9	836.1
140°	871.7	871.0	870.3	869.5	868.5	867.4	866.3	865.3	866.3	867.4	868.5
142.5°	904.2	903.3	902.6	901.7	900.8	899.9	899.0	898.1	899.0	899.9	900.8
145°	951.9	951.2	950.6	949.8	949.0	948.1	947.3	946.4	947.3	948.1	949.0
147.5°	994.5	994.0	993.5	993.0	992.5	992.1	991.6	991.2	991.6	992.1	992.5
150°	1022.1	1021.2	1020.4	1020.1	1020.3	1020.5	1020.8	1021.0	1020.8	1020.5	1020.3
152.5°	1047.5	1047.3	1046.9	1046.6	1046.3	1045.9	1045.7	1045.4	1045.7	1045.9	1046.3
155°	1083.5	1083.4	1083.1	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
157.5°	1115.0	1114.8	1114.7	1114.7	1115.2	1115.7	1116.2	1116.6	1116.2	1115.7	1115.2
160°	1134.2	1134.0	1133.8	1134.0	1134.6	1135.2	1135.9	1136.5	1135.9	1135.2	1134.6
162.5°	1152.1	1152.1	1152.0	1152.2	1152.6	1153.1	1153.6	1154.0	1153.6	1153.1	1152.6
165°	1176.2	1176.0	1175.7	1175.8	1176.3	1176.7	1177.1	1177.6	1177.1	1176.7	1176.3
167.5°	1193.6	1193.6	1193.6	1194.0	1194.9	1195.7	1196.6	1197.4	1196.6	1195.7	1194.9
170°	1204.3	1204.3	1204.3	1204.8	1205.6	1206.5	1207.3	1208.2	1207.3	1206.5	1205.6
172.5°	1211.9	1211.9	1211.9	1212.4	1213.2	1214.1	1214.9	1215.8	1214.9	1214.1	1213.2
175°	1220.5	1220.5	1220.5	1221.0	1221.8	1222.7	1223.5	1224.4	1223.5	1222.7	1221.8
177.5°	1225.3	1225.4	1225.6	1226.1	1226.7	1227.4	1228.0	1228.8	1228.0	1227.4	1226.7
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1133.1	1128.8	1125.3	1117.5	1113.1	1107.3	1102.6	1107.7	1102.2	1104.6	1101.0
5°	1097.8	1084.1	1074.3	1060.1	1047.8	1036.6	1028.3	1026.8	1022.8	1021.0	1015.0
7.5°	1055.3	1038.1	1021.3	1002.8	987.0	971.1	960.9	952.5	947.0	939.6	934.6
10°	1030.2	1007.2	987.7	965.2	945.6	928.4	914.7	907.9	901.5	892.2	888.8
12.5°	999.3	975.5	951.6	927.6	908.8	889.7	877.9	867.5	863.2	852.6	851.6
15°	962.2	926.5	903.0	878.5	852.5	836.9	827.1	815.9	811.0	803.6	798.2
17.5°	917.9	886.1	856.7	831.3	809.1	795.9	783.7	776.0	767.6	762.8	754.0
20°	885.9	855.5	826.1	799.2	782.1	766.9	757.1	749.8	741.0	738.6	729.7
22.5°	858.8	825.4	797.2	774.6	755.8	738.8	728.1	723.2	717.1	709.5	707.8
25°	814.9	780.1	756.2	733.7	717.0	701.3	694.0	687.7	681.7	676.4	674.4
27.5°	776.9	745.8	717.4	697.0	682.6	668.3	661.8	654.0	649.8	645.5	640.2
30°	750.3	718.5	693.5	673.9	658.3	645.5	638.7	633.3	629.4	625.5	622.5
32.5°	722.8	693.4	669.2	650.1	634.4	624.8	618.7	614.9	610.6	605.9	602.2
35°	686.6	654.3	630.8	614.3	602.0	594.7	587.8	584.4	579.5	579.5	575.5
37.5°	645.8	617.9	597.2	582.0	571.1	564.5	557.0	554.7	551.6	549.5	548.2
40°	621.6	595.6	576.1	560.9	549.1	543.8	537.9	534.0	532.0	529.5	528.6
42.5°	596.5	571.7	553.0	538.9	528.8	524.1	518.7	515.9	512.0	508.8	508.2
45°	558.5	534.4	517.4	506.1	497.3	491.9	488.4	482.6	480.6	476.7	476.2
47.5°	522.3	499.3	482.5	473.3	465.5	461.1	455.7	449.9	447.6	445.6	445.4
50°	495.3	474.3	458.5	449.8	442.4	436.1	430.6	426.8	425.3	425.3	426.3
52.5°	467.9	450.0	436.7	425.9	419.0	412.2	407.2	404.8	402.6	404.9	406.7
55°	427.7	409.6	399.8	389.6	382.8	374.8	372.5	371.5	370.0	373.9	375.9
57.5°	385.3	372.6	361.1	350.9	344.8	340.3	337.0	336.3	339.0	340.9	347.3
60°	358.3	343.6	333.3	325.5	318.1	315.2	314.2	313.2	315.2	320.6	328.9
62.5°	328.5	316.6	305.5	299.6	294.3	289.4	289.2	289.7	293.7	299.8	308.1
65°	284.8	274.6	267.2	260.3	256.0	253.1	254.0	256.0	260.3	268.7	278.0
67.5°	240.5	233.5	226.9	221.3	217.1	217.1	218.1	221.0	226.2	235.8	244.3
70°	211.9	204.1	198.7	196.2	192.8	190.9	193.8	198.7	203.1	211.9	219.2
72.5°	183.3	176.7	172.5	170.8	169.4	167.8	168.7	174.0	180.0	188.8	197.4
75°	140.9	138.5	135.5	133.7	132.1	133.1	134.1	139.0	143.9	153.2	163.0
77.5°	102.8	100.3	98.6	98.1	97.3	97.7	100.6	104.2	109.0	115.7	123.1
80°	77.9	76.8	75.9	75.4	75.4	75.9	79.7	82.2	86.6	93.0	98.9
82.5°	56.6	56.1	55.9	55.8	56.2	56.3	58.6	61.8	65.5	70.3	75.4
85°	29.9	28.8	30.3	30.8	29.9	31.3	32.3	34.2	35.7	38.2	40.6
87.5°	11.3	12.4	12.3	13.0	13.3	14.4	14.2	16.0	17.0	18.0	17.8
90°	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.4	18.5	19.5	20.4
92.5°	27.9	29.4	31.2	33.0	34.9	36.7	38.1	39.5	40.9	42.3	43.2
95°	63.8	65.0	67.2	69.3	71.4	73.5	75.0	76.5	77.9	79.5	80.4
97.5°	103.9	105.4	108.3	111.2	114.1	117.1	118.5	119.9	121.3	122.7	123.5
100°	133.7	135.1	137.8	140.6	143.4	146.1	148.1	150.0	151.8	153.7	155.0
102.5°	169.9	171.1	172.5	173.9	175.3	176.7	178.8	180.9	182.9	185.0	186.3
105°	222.0	223.2	224.4	225.7	227.0	228.3	229.5	230.8	232.1	233.4	234.3
107.5°	278.5	279.6	280.5	281.5	282.5	283.4	284.1	284.7	285.4	286.0	286.3
110°	317.5	318.4	319.0	319.6	320.3	320.9	321.5	322.2	322.8	323.5	323.7



TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	355.2	355.9	356.7	357.5	358.3	359.1	359.4	359.7	360.0	360.2	360.2
115°	415.0	415.7	416.0	416.5	416.9	417.4	417.2	416.9	416.7	416.5	416.3
117.5°	472.0	472.4	472.8	473.2	473.5	473.9	474.1	474.2	474.4	474.6	474.2
120°	511.3	512.0	512.2	512.5	512.6	512.8	512.8	512.8	512.8	512.8	512.5
122.5°	548.4	548.8	549.4	550.0	550.5	551.1	550.9	550.7	550.5	550.4	550.0
125°	605.8	606.5	606.8	607.0	607.2	607.4	607.0	606.5	606.1	605.7	605.4
127.5°	660.9	661.4	661.7	661.9	662.1	662.4	662.2	661.9	661.8	661.6	661.3
130°	696.6	697.4	697.9	698.2	698.7	699.1	698.9	698.7	698.4	698.2	698.0
132.5°	733.8	734.6	734.5	734.4	734.3	734.2	734.1	733.8	733.6	733.4	733.0
135°	786.4	787.0	787.3	787.5	787.7	787.9	787.9	787.9	787.9	787.9	787.5
137.5°	837.4	838.2	838.7	839.1	839.6	840.1	840.3	840.6	840.8	841.0	840.7
140°	869.5	870.3	871.0	871.7	872.2	872.9	873.4	873.7	874.2	874.6	874.3
142.5°	901.7	902.6	903.3	904.2	904.9	905.8	906.0	906.3	906.5	906.8	906.3
145°	949.8	950.6	951.2	951.9	952.5	953.1	953.1	953.1	953.1	953.1	952.8
147.5°	993.0	993.5	994.0	994.5	995.0	995.5	996.1	996.6	997.0	997.6	997.1
150°	1020.1	1020.4	1021.2	1022.1	1022.9	1023.8	1023.8	1023.8	1023.8	1023.8	1023.6
152.5°	1046.6	1046.9	1047.3	1047.5	1047.9	1048.3	1048.8	1049.2	1049.8	1050.3	1050.2
155°	1083.0	1083.1	1083.4	1083.5	1083.7	1084.0	1084.9	1085.7	1086.6	1087.4	1087.2
157.5°	1114.7	1114.7	1114.8	1115.0	1115.3	1115.5	1116.3	1117.2	1118.0	1118.9	1118.6
160°	1134.0	1133.8	1134.0	1134.2	1134.3	1134.6	1135.5	1136.3	1137.2	1138.0	1137.8
162.5°	1152.2	1152.0	1152.1	1152.1	1152.2	1152.2	1153.2	1154.2	1155.2	1156.2	1156.1
165°	1175.8	1175.7	1176.0	1176.2	1176.4	1176.6	1177.4	1178.3	1179.1	1180.0	1179.8
167.5°	1194.0	1193.6	1193.6	1193.6	1193.6	1193.6	1194.9	1196.2	1197.4	1198.7	1198.7
170°	1204.8	1204.3	1204.3	1204.3	1204.3	1204.3	1205.6	1206.8	1208.2	1209.4	1209.3
172.5°	1212.4	1211.9	1211.9	1211.9	1211.9	1211.9	1213.2	1214.5	1215.8	1217.0	1217.0
175°	1221.0	1220.5	1220.5	1220.5	1220.5	1220.5	1221.8	1223.0	1224.4	1225.7	1225.5
177.5°	1226.1	1225.6	1225.4	1225.3	1225.1	1224.9	1226.0	1227.0	1228.0	1229.0	1228.9
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1098.6	1101.4	1099.0	1102.2	1099.0	1101.4	1098.6	1101.0	1104.6	1102.2	1107.7
5°	1012.6	1008.2	1011.2	1009.2	1011.2	1008.2	1012.6	1015.0	1021.0	1022.8	1026.8
7.5°	933.1	928.9	924.2	921.9	924.2	928.9	933.1	934.6	939.6	947.0	952.5
10°	883.4	878.0	877.5	874.1	877.5	878.0	883.4	888.8	892.2	901.5	907.9
12.5°	847.0	842.0	836.4	835.0	836.4	842.0	847.0	851.6	852.6	863.2	867.5
15°	795.3	791.4	788.0	790.9	788.0	791.4	795.3	798.2	803.6	811.0	815.9
17.5°	752.3	749.1	748.5	744.9	748.5	749.1	752.3	754.0	762.8	767.6	776.0
20°	725.3	722.8	723.9	717.5	723.9	722.8	725.3	729.7	738.6	741.0	749.8
22.5°	703.8	699.0	698.4	697.1	698.4	699.0	703.8	707.8	709.5	717.1	723.2
25°	670.1	667.6	665.2	667.6	665.2	667.6	670.1	674.4	676.4	681.7	687.7
27.5°	640.6	637.6	637.0	637.3	637.0	637.6	640.6	640.2	645.5	649.8	654.0
30°	622.5	617.6	618.1	617.6	618.1	617.6	622.5	622.5	625.5	629.4	633.3
32.5°	602.9	599.6	599.0	598.0	599.0	599.6	602.9	602.2	605.9	610.6	614.9
35°	574.1	574.1	571.7	571.7	571.7	574.1	574.1	575.5	579.5	579.5	584.4
37.5°	547.0	546.5	545.0	545.3	545.0	546.5	547.0	548.2	549.5	551.6	554.7
40°	526.6	526.1	524.6	521.7	524.6	526.1	526.6	528.6	529.5	532.0	534.0
42.5°	507.0	505.4	504.7	503.7	504.7	505.4	507.0	508.2	508.8	512.0	515.9
45°	476.2	476.2	475.2	474.8	475.2	476.2	476.2	476.2	476.7	480.6	482.6
47.5°	446.3	447.1	449.0	448.7	449.0	447.1	446.3	445.4	445.6	447.6	449.9
50°	428.2	428.8	430.2	430.6	430.2	428.8	428.2	426.3	425.3	425.3	426.8
52.5°	408.3	411.1	412.9	412.6	412.9	411.1	408.3	406.7	404.9	402.6	404.8
55°	380.3	383.7	387.1	387.7	387.1	383.7	380.3	375.9	373.9	370.0	371.5
57.5°	352.6	357.4	361.0	362.1	361.0	357.4	352.6	347.3	340.9	339.0	336.3
60°	333.8	340.2	344.6	346.5	344.6	340.2	333.8	328.9	320.6	315.2	313.2
62.5°	315.8	322.9	327.3	327.7	327.3	322.9	315.8	308.1	299.8	293.7	289.7
65°	286.3	293.7	297.6	300.5	297.6	293.7	286.3	278.0	268.7	260.3	256.0
67.5°	254.6	261.9	266.3	268.6	266.3	261.9	254.6	244.3	235.8	226.2	221.0
70°	231.5	238.8	244.7	246.7	244.7	238.8	231.5	219.2	211.9	203.1	198.7
72.5°	208.8	215.4	220.1	222.3	220.1	215.4	208.8	197.4	188.8	180.0	174.0
75°	169.4	178.1	182.6	185.0	182.6	178.1	169.4	163.0	153.2	143.9	139.0
77.5°	130.5	138.6	141.3	142.5	141.3	138.6	130.5	123.1	115.7	109.0	104.2
80°	104.7	109.6	113.0	113.6	113.0	109.6	104.7	98.9	93.0	86.6	82.2
82.5°	80.5	84.5	85.7	86.9	85.7	84.5	80.5	75.4	70.3	65.5	61.8
85°	44.0	46.0	46.5	46.0	46.5	46.0	44.0	40.6	38.2	35.7	34.2
87.5°	18.7	18.4	18.6	19.4	18.6	18.4	18.7	17.8	18.0	17.0	16.0
90°	21.0	21.7	22.2	22.9	22.2	21.7	21.0	20.4	19.5	18.5	17.4
92.5°	43.6	44.1	44.6	45.1	44.6	44.1	43.6	43.2	42.3	40.9	39.5
95°	80.9	81.2	81.7	82.1	81.7	81.2	80.9	80.4	79.5	77.9	76.5
97.5°	123.8	124.0	124.3	124.5	124.3	124.0	123.8	123.5	122.7	121.3	119.9
100°	155.3	155.8	156.2	156.7	156.2	155.8	155.3	155.0	153.7	151.8	150.0
102.5°	186.9	187.6	188.1	188.7	188.1	187.6	186.9	186.3	185.0	182.9	180.9
105°	235.0	235.5	236.2	236.9	236.2	235.5	235.0	234.3	233.4	232.1	230.8
107.5°	286.3	286.3	286.2	286.2	286.2	286.3	286.3	286.3	286.0	285.4	284.7
110°	323.5	323.2	323.0	322.8	323.0	323.2	323.5	323.7	323.5	322.8	322.2



TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	359.9	359.5	359.1	358.7	359.1	359.5	359.9	360.2	360.2	360.0	359.7
115°	416.0	415.8	415.7	415.5	415.7	415.8	416.0	416.3	416.5	416.7	416.9
117.5°	473.3	472.5	471.6	470.8	471.6	472.5	473.3	474.2	474.6	474.4	474.2
120°	511.6	510.8	509.9	509.1	509.9	510.8	511.6	512.5	512.8	512.8	512.8
122.5°	549.3	548.6	547.9	547.2	547.9	548.6	549.3	550.0	550.4	550.5	550.7
125°	605.2	604.9	604.7	604.5	604.7	604.9	605.2	605.4	605.7	606.1	606.5
127.5°	660.8	660.4	660.0	659.6	660.0	660.4	660.8	661.3	661.6	661.8	661.9
130°	697.5	697.1	696.6	696.3	696.6	697.1	697.5	698.0	698.2	698.4	698.7
132.5°	732.4	731.8	731.2	730.6	731.2	731.8	732.4	733.0	733.4	733.6	733.8
135°	786.6	785.8	784.9	784.1	784.9	785.8	786.6	787.5	787.9	787.9	787.9
137.5°	839.6	838.6	837.4	836.4	837.4	838.6	839.6	840.7	841.0	840.8	840.6
140°	873.3	872.1	871.1	870.1	871.1	872.1	873.3	874.3	874.6	874.2	873.7
142.5°	905.3	904.3	903.2	902.1	903.2	904.3	905.3	906.3	906.8	906.5	906.3
145°	952.2	951.5	950.9	950.3	950.9	951.5	952.2	952.8	953.1	953.1	953.1
147.5°	995.7	994.2	992.8	991.4	992.8	994.2	995.7	997.1	997.6	997.0	996.6
150°	1023.1	1022.8	1022.3	1021.9	1022.3	1022.8	1023.1	1023.6	1023.8	1023.8	1023.8
152.5°	1049.4	1048.7	1047.8	1047.1	1047.8	1048.7	1049.4	1050.2	1050.3	1049.8	1049.2
155°	1086.2	1085.1	1084.1	1083.0	1084.1	1085.1	1086.2	1087.2	1087.4	1086.6	1085.7
157.5°	1117.2	1115.8	1114.4	1113.0	1114.4	1115.8	1117.2	1118.6	1118.9	1118.0	1117.2
160°	1136.8	1135.8	1134.7	1133.6	1134.7	1135.8	1136.8	1137.8	1138.0	1137.2	1136.3
162.5°	1154.9	1153.7	1152.4	1151.2	1152.4	1153.7	1154.9	1156.1	1156.2	1155.2	1154.2
165°	1178.6	1177.2	1176.0	1174.7	1176.0	1177.2	1178.6	1179.8	1180.0	1179.1	1178.3
167.5°	1197.4	1196.1	1194.8	1193.4	1194.8	1196.1	1197.4	1198.7	1198.7	1197.4	1196.2
170°	1207.8	1206.4	1204.9	1203.3	1204.9	1206.4	1207.8	1209.3	1209.4	1208.2	1206.8
172.5°	1215.7	1214.4	1213.1	1211.7	1213.1	1214.4	1215.7	1217.0	1217.0	1215.8	1214.5
175°	1224.1	1222.6	1221.1	1219.6	1221.1	1222.6	1224.1	1225.5	1225.7	1224.4	1223.0
177.5°	1227.8	1226.5	1225.4	1224.2	1225.4	1226.5	1227.8	1228.9	1229.0	1228.0	1227.0
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1102.6	1107.3	1113.1	1117.5	1125.3	1128.8	1133.1	1136.6	1142.9	1148.8	1155.8
5°	1028.3	1036.6	1047.8	1060.1	1074.3	1084.1	1097.8	1106.1	1122.8	1137.9	1152.5
7.5°	960.9	971.1	987.0	1002.8	1021.3	1038.1	1055.3	1074.3	1095.5	1120.6	1141.3
10°	914.7	928.4	945.6	965.2	987.7	1007.2	1030.2	1050.7	1076.8	1106.1	1133.5
12.5°	877.9	889.7	908.8	927.6	951.6	975.5	999.3	1026.5	1056.8	1089.3	1123.7
15°	827.1	836.9	852.5	878.5	903.0	926.5	962.2	987.7	1025.9	1062.1	1103.6
17.5°	783.7	795.9	809.1	831.3	856.7	886.1	917.9	949.9	986.7	1032.6	1079.5
20°	757.1	766.9	782.1	799.2	826.1	855.5	885.9	918.1	963.2	1010.7	1061.0
22.5°	728.1	738.8	755.8	774.6	797.2	825.4	858.8	894.3	941.2	988.0	1042.6
25°	694.0	701.3	717.0	733.7	756.2	780.1	814.9	854.0	900.5	953.9	1009.7
27.5°	661.8	668.3	682.6	697.0	717.4	745.8	776.9	816.4	860.3	914.4	976.2
30°	638.7	645.5	658.3	673.9	693.5	718.5	750.3	787.5	834.4	887.3	952.0
32.5°	618.7	624.8	634.4	650.1	669.2	693.4	722.8	760.8	807.9	861.5	924.9
35°	587.8	594.7	602.0	614.3	630.8	654.3	686.6	722.4	767.4	819.3	877.5
37.5°	557.0	564.5	571.1	582.0	597.2	617.9	645.8	683.1	723.8	773.7	829.6
40°	537.9	543.8	549.1	560.9	576.1	595.6	621.6	654.9	698.0	744.4	790.9
42.5°	518.7	524.1	528.8	538.9	553.0	571.7	596.5	629.0	668.9	712.3	753.3
45°	488.4	491.9	497.3	506.1	517.4	534.4	558.5	587.3	621.0	662.2	693.1
47.5°	455.7	461.1	465.5	473.3	482.5	499.3	522.3	546.9	577.5	608.0	629.8
50°	430.6	436.1	442.4	449.8	458.5	474.3	495.3	520.3	546.2	569.7	588.2
52.5°	407.2	412.2	419.0	425.9	436.7	450.0	467.9	490.1	515.7	532.5	548.0
55°	372.5	374.8	382.8	389.6	399.8	409.6	427.7	447.3	463.0	475.7	488.4
57.5°	337.0	340.3	344.8	350.9	361.1	372.6	385.3	402.6	411.8	418.4	428.2
60°	314.2	315.2	318.1	325.5	333.3	343.6	358.3	370.5	377.3	382.8	391.1
62.5°	289.2	289.4	294.3	299.6	305.5	316.6	328.5	338.4	344.0	346.7	354.7
65°	254.0	253.1	256.0	260.3	267.2	274.6	284.8	293.7	293.1	296.1	301.0
67.5°	218.1	217.1	217.1	221.3	226.9	233.5	240.5	245.6	245.7	249.6	252.0
70°	193.8	190.9	192.8	196.2	198.7	204.1	211.9	213.9	214.3	216.3	218.8
72.5°	168.7	167.8	169.4	170.8	172.5	176.7	183.3	184.5	184.6	185.8	189.8
75°	134.1	133.1	132.1	133.7	135.5	138.5	140.9	142.9	142.4	142.9	145.8
77.5°	100.6	97.7	97.3	98.1	98.6	100.3	102.8	102.6	103.2	103.1	106.4
80°	79.7	75.9	75.4	75.4	75.9	76.8	77.9	78.8	77.3	78.8	79.7
82.5°	58.6	56.3	56.2	55.8	55.9	56.1	56.6	57.3	56.9	57.7	58.2
85°	32.3	31.3	29.9	30.8	30.3	28.8	29.9	28.4	27.9	28.4	28.8
87.5°	14.2	14.4	13.3	13.0	12.3	12.4	11.3	10.7	9.9	9.9	10.7
90°	16.3	15.3	13.8	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9
92.5°	38.1	36.7	34.9	33.0	31.2	29.4	27.9	26.7	25.4	24.3	23.1
95°	75.0	73.5	71.4	69.3	67.2	65.0	63.8	63.3	63.0	62.5	62.1
97.5°	118.5	117.1	114.1	111.2	108.3	105.4	103.9	103.7	103.5	103.3	103.1
100°	148.1	146.1	143.4	140.6	137.8	135.1	133.7	133.7	133.7	133.7	133.7
102.5°	178.8	176.7	175.3	173.9	172.5	171.1	169.9	169.1	168.2	167.4	166.5
105°	229.5	228.3	227.0	225.7	224.4	223.2	222.0	220.9	219.9	218.8	217.7
107.5°	284.1	283.4	282.5	281.5	280.5	279.6	278.5	277.5	276.4	275.3	274.3
110°	321.5	320.9	320.3	319.6	319.0	318.4	317.5	316.4	315.4	314.3	313.2



TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	359.4	359.1	358.3	357.5	356.7	355.9	355.2	354.7	354.1	353.5	353.0
115°	417.2	417.4	416.9	416.5	416.0	415.7	415.0	414.2	413.3	412.5	411.6
117.5°	474.1	473.9	473.5	473.2	472.8	472.4	472.0	471.6	471.2	470.8	470.4
120°	512.8	512.8	512.6	512.5	512.2	512.0	511.3	510.3	509.3	508.2	507.1
122.5°	550.9	551.1	550.5	550.0	549.4	548.8	548.4	548.0	547.6	547.2	546.9
125°	607.0	607.4	607.2	607.0	606.8	606.5	605.8	604.5	603.2	602.0	600.7
127.5°	662.2	662.4	662.1	661.9	661.7	661.4	660.9	660.2	659.5	658.7	658.0
130°	698.9	699.1	698.7	698.2	697.9	697.4	696.6	695.6	694.6	693.4	692.4
132.5°	734.1	734.2	734.3	734.4	734.5	734.6	733.8	732.0	730.3	728.5	726.8
135°	787.9	787.9	787.7	787.5	787.3	787.0	786.4	785.0	783.7	782.5	781.2
137.5°	840.3	840.1	839.6	839.1	838.7	838.2	837.4	836.1	834.9	833.7	832.5
140°	873.4	872.9	872.2	871.7	871.0	870.3	869.5	868.5	867.4	866.3	865.3
142.5°	906.0	905.8	904.9	904.2	903.3	902.6	901.7	900.8	899.9	899.0	898.1
145°	953.1	953.1	952.5	951.9	951.2	950.6	949.8	949.0	948.1	947.3	946.4
147.5°	996.1	995.5	995.0	994.5	994.0	993.5	993.0	992.5	992.1	991.6	991.2
150°	1023.8	1023.8	1022.9	1022.1	1021.2	1020.4	1020.1	1020.3	1020.5	1020.8	1021.0
152.5°	1048.8	1048.3	1047.9	1047.5	1047.3	1046.9	1046.6	1046.3	1045.9	1045.7	1045.4
155°	1084.9	1084.0	1083.7	1083.5	1083.4	1083.1	1083.0	1083.0	1083.0	1083.0	1083.0
157.5°	1116.3	1115.5	1115.3	1115.0	1114.8	1114.7	1114.7	1115.2	1115.7	1116.2	1116.6
160°	1135.5	1134.6	1134.3	1134.2	1134.0	1133.8	1134.0	1134.6	1135.2	1135.9	1136.5
162.5°	1153.2	1152.2	1152.2	1152.1	1152.1	1152.0	1152.2	1152.6	1153.1	1153.6	1154.0
165°	1177.4	1176.6	1176.4	1176.2	1176.0	1175.7	1175.8	1176.3	1176.7	1177.1	1177.6
167.5°	1194.9	1193.6	1193.6	1193.6	1193.6	1193.6	1194.0	1194.9	1195.7	1196.6	1197.4
170°	1205.6	1204.3	1204.3	1204.3	1204.3	1204.3	1204.8	1205.6	1206.5	1207.3	1208.2
172.5°	1213.2	1211.9	1211.9	1211.9	1211.9	1211.9	1212.4	1213.2	1214.1	1214.9	1215.8
175°	1221.8	1220.5	1220.5	1220.5	1220.5	1220.5	1221.0	1221.8	1222.7	1223.5	1224.4
177.5°	1226.0	1224.9	1225.1	1225.3	1225.4	1225.6	1226.1	1226.7	1227.4	1228.0	1228.8
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333413-830

CATALOG NUMBER: S125DIW-S850D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1159.3	1164.8	1168.4	1175.0	1180.4	1183.6	1186.4	1188.7	1191.5	1193.8	1200.4
5°	1166.8	1179.5	1190.2	1206.9	1222.1	1233.8	1246.5	1257.8	1267.2	1280.3	1290.6
7.5°	1163.6	1186.2	1209.8	1235.6	1261.9	1286.4	1308.9	1329.9	1349.1	1372.2	1392.4
10°	1160.5	1191.3	1221.6	1256.3	1292.0	1322.4	1350.8	1379.7	1400.7	1430.1	1455.0
12.5°	1158.1	1194.4	1231.0	1272.8	1312.0	1354.9	1392.7	1413.7	1445.8	1469.2	1498.9
15°	1148.2	1196.2	1246.5	1293.5	1349.3	1388.9	1422.3	1463.4	1493.2	1523.1	1555.4
17.5°	1130.5	1184.8	1241.1	1302.8	1356.3	1398.8	1441.7	1481.4	1517.0	1557.1	1597.2
20°	1122.3	1176.6	1241.1	1304.3	1356.7	1401.2	1445.3	1488.8	1528.0	1579.3	1625.9
22.5°	1105.0	1170.7	1230.2	1291.8	1345.7	1394.2	1444.1	1493.6	1545.6	1603.6	1661.9
25°	1074.3	1140.9	1204.0	1264.7	1319.0	1379.7	1433.0	1499.1	1565.7	1642.5	1715.0
27.5°	1042.4	1106.1	1163.9	1222.6	1285.9	1354.6	1423.8	1498.8	1585.9	1682.9	1785.1
30°	1016.5	1076.8	1133.0	1193.2	1259.2	1336.6	1412.5	1501.6	1602.3	1711.5	1832.9
32.5°	986.4	1041.9	1096.6	1160.4	1232.3	1313.9	1402.3	1500.0	1621.2	1745.2	1870.1
35°	934.8	981.3	1037.6	1105.6	1186.8	1280.3	1382.6	1498.1	1637.1	1779.5	1884.8
37.5°	873.6	916.9	976.2	1050.7	1136.0	1236.2	1357.6	1494.7	1642.3	1755.9	1789.8
40°	832.5	872.6	934.3	1011.6	1098.7	1204.9	1338.0	1482.9	1625.9	1698.3	1670.4
42.5°	788.6	830.8	890.8	967.4	1061.2	1176.8	1313.4	1458.3	1578.1	1605.5	1509.1
45°	719.4	763.0	822.2	899.6	1000.4	1125.7	1268.1	1399.8	1468.8	1419.3	1270.1
47.5°	655.2	696.0	750.8	830.7	934.7	1064.3	1201.5	1306.5	1311.9	1194.0	1034.5
50°	611.3	648.9	704.3	784.0	887.3	1018.5	1142.3	1225.0	1187.8	1054.2	901.0
52.5°	568.3	605.1	659.7	738.7	840.7	960.9	1076.1	1134.2	1064.1	927.0	796.1
55°	506.1	538.4	591.7	664.6	761.6	873.2	971.0	991.1	900.0	765.0	658.7
57.5°	445.4	475.5	524.1	591.3	679.8	778.6	855.2	850.9	754.7	638.8	554.5
60°	404.3	433.7	476.7	542.2	623.0	708.2	773.7	758.1	662.7	562.8	491.9
62.5°	367.5	393.7	434.4	491.7	565.4	644.4	698.2	675.1	581.6	494.3	438.2
65°	313.2	335.3	370.0	419.0	480.1	545.3	586.8	556.9	477.2	409.2	364.1
67.5°	261.5	279.1	308.2	347.3	399.4	451.8	477.1	447.0	383.2	333.6	300.2
70°	228.6	244.2	266.7	301.5	347.0	391.1	410.1	383.2	328.4	285.8	261.8
72.5°	195.7	208.6	228.4	259.6	296.1	334.3	351.0	325.3	280.2	244.3	221.9
75°	151.3	160.0	173.7	195.3	224.1	254.5	263.8	241.3	212.4	185.5	170.8
77.5°	108.3	115.7	126.1	139.7	160.1	179.5	187.6	174.6	152.2	135.2	123.1
80°	83.2	87.1	96.0	107.2	123.4	135.5	140.9	132.6	117.0	104.2	94.9
82.5°	59.3	63.2	68.5	77.9	88.1	96.4	102.2	96.6	85.3	75.3	69.8
85°	28.8	31.3	34.2	38.2	46.0	50.9	50.4	46.9	42.6	38.6	35.7
87.5°	10.7	11.4	12.9	15.3	16.8	18.6	19.7	19.2	17.9	17.0	16.0
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.4
92.5°	24.3	25.4	26.7	27.9	29.4	31.2	33.0	34.9	36.7	38.1	39.5
95°	62.5	63.0	63.3	63.8	65.0	67.2	69.3	71.4	73.5	75.0	76.5
97.5°	103.3	103.5	103.7	103.9	105.4	108.3	111.2	114.1	117.1	118.5	119.9
100°	133.7	133.7	133.7	133.7	135.1	137.8	140.6	143.4	146.1	148.1	150.0
102.5°	167.4	168.2	169.1	169.9	171.1	172.5	173.9	175.3	176.7	178.8	180.9
105°	218.8	219.9	220.9	222.0	223.2	224.4	225.7	227.0	228.3	229.5	230.8
107.5°	275.3	276.4	277.5	278.5	279.6	280.5	281.5	282.5	283.4	284.1	284.7
110°	314.3	315.4	316.4	317.5	318.4	319.0	319.6	320.3	320.9	321.5	322.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	353.5	354.1	354.7	355.2	355.9	356.7	357.5	358.3	359.1	359.4	359.7
115°	412.5	413.3	414.2	415.0	415.7	416.0	416.5	416.9	417.4	417.2	416.9
117.5°	470.8	471.2	471.6	472.0	472.4	472.8	473.2	473.5	473.9	474.1	474.2
120°	508.2	509.3	510.3	511.3	512.0	512.2	512.5	512.6	512.8	512.8	512.8
122.5°	547.2	547.6	548.0	548.4	548.8	549.4	550.0	550.5	551.1	550.9	550.7
125°	602.0	603.2	604.5	605.8	606.5	606.8	607.0	607.2	607.4	607.0	606.5
127.5°	658.7	659.5	660.2	660.9	661.4	661.7	661.9	662.1	662.4	662.2	661.9
130°	693.4	694.6	695.6	696.6	697.4	697.9	698.2	698.7	699.1	698.9	698.7
132.5°	728.5	730.3	732.0	733.8	734.6	734.5	734.4	734.3	734.2	734.1	733.8
135°	782.5	783.7	785.0	786.4	787.0	787.3	787.5	787.7	787.9	787.9	787.9
137.5°	833.7	834.9	836.1	837.4	838.2	838.7	839.1	839.6	840.1	840.3	840.6
140°	866.3	867.4	868.5	869.5	870.3	871.0	871.7	872.2	872.9	873.4	873.7
142.5°	899.0	899.9	900.8	901.7	902.6	903.3	904.2	904.9	905.8	906.0	906.3
145°	947.3	948.1	949.0	949.8	950.6	951.2	951.9	952.5	953.1	953.1	953.1
147.5°	991.6	992.1	992.5	993.0	993.5	994.0	994.5	995.0	995.5	996.1	996.6
150°	1020.8	1020.5	1020.3	1020.1	1020.4	1021.2	1022.1	1022.9	1023.8	1023.8	1023.8
152.5°	1045.7	1045.9	1046.3	1046.6	1046.9	1047.3	1047.5	1047.9	1048.3	1048.8	1049.2
155°	1083.0	1083.0	1083.0	1083.0	1083.1	1083.4	1083.5	1083.7	1084.0	1084.9	1085.7
157.5°	1116.2	1115.7	1115.2	1114.7	1114.7	1114.8	1115.0	1115.3	1115.5	1116.3	1117.2
160°	1135.9	1135.2	1134.6	1134.0	1133.8	1134.0	1134.2	1134.3	1134.6	1135.5	1136.3
162.5°	1153.6	1153.1	1152.6	1152.2	1152.0	1152.1	1152.1	1152.2	1152.2	1153.2	1154.2
165°	1177.1	1176.7	1176.3	1175.8	1175.7	1176.0	1176.2	1176.4	1176.6	1177.4	1178.3
167.5°	1196.6	1195.7	1194.9	1194.0	1193.6	1193.6	1193.6	1193.6	1193.6	1194.9	1196.2
170°	1207.3	1206.5	1205.6	1204.8	1204.3	1204.3	1204.3	1204.3	1204.3	1205.6	1206.8
172.5°	1214.9	1214.1	1213.2	1212.4	1211.9	1211.9	1211.9	1211.9	1211.9	1213.2	1214.5
175°	1223.5	1222.7	1221.8	1221.0	1220.5	1220.5	1220.5	1220.5	1220.5	1221.8	1223.0
177.5°	1228.0	1227.4	1226.7	1226.1	1225.6	1225.4	1225.3	1225.1	1224.9	1226.0	1227.0
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1205.9	1209.1	1215.7	1213.3	1216.5	1218.0	1219.7
5°	1303.3	1319.0	1325.9	1324.8	1335.1	1332.7	1330.2
7.5°	1413.3	1429.8	1439.0	1450.5	1457.1	1457.5	1463.4
10°	1475.6	1497.1	1506.0	1518.2	1526.0	1530.4	1529.9
12.5°	1523.3	1540.2	1560.0	1565.9	1576.5	1582.1	1580.1
15°	1580.8	1607.8	1628.3	1638.6	1651.8	1655.7	1661.1
17.5°	1632.1	1668.2	1692.2	1724.1	1736.2	1743.5	1739.2
20°	1670.8	1718.3	1742.4	1780.6	1801.6	1812.8	1808.9
22.5°	1716.7	1768.1	1812.4	1845.5	1877.5	1892.7	1895.8
25°	1795.2	1865.7	1930.8	1974.3	2013.9	2023.3	2043.8
27.5°	1882.9	1966.0	2035.6	2081.4	2109.0	2119.4	2125.8
30°	1938.2	2020.8	2073.2	2102.5	2111.4	2110.4	2109.4
32.5°	1965.1	2016.9	2026.9	2018.7	1998.6	1981.6	1963.8
35°	1926.8	1888.2	1830.4	1756.1	1701.2	1646.0	1640.5
37.5°	1733.0	1609.3	1513.2	1405.8	1343.9	1305.6	1279.1
40°	1550.5	1410.0	1293.5	1203.0	1139.8	1114.9	1090.4
42.5°	1352.4	1218.1	1115.0	1039.3	991.8	964.1	944.8
45°	1098.7	980.3	899.6	844.7	807.1	785.5	773.3
47.5°	900.3	812.8	744.1	704.6	678.5	661.8	661.9
50°	793.8	710.1	664.6	633.3	610.8	597.6	600.0
52.5°	699.5	637.0	598.0	571.8	555.2	547.1	546.8
55°	584.8	539.8	514.3	495.3	484.0	474.8	476.7
57.5°	500.3	462.3	445.3	429.4	421.6	417.8	412.5
60°	447.8	418.5	403.8	391.1	383.2	380.3	374.8
62.5°	401.2	378.1	363.8	353.5	346.4	345.4	341.2
65°	337.2	319.6	306.9	302.0	294.6	292.7	292.7
67.5°	278.0	265.3	255.5	251.0	247.7	248.3	245.9
70°	240.8	230.5	224.1	219.2	216.8	217.3	215.4
72.5°	210.7	199.2	193.6	190.7	187.5	188.7	187.9
75°	159.6	153.6	150.7	147.8	145.8	144.9	143.9
77.5°	117.2	112.0	109.7	108.1	108.4	106.0	107.8
80°	90.6	86.1	84.6	82.2	81.7	81.7	81.2
82.5°	66.3	63.8	62.8	60.7	59.9	60.6	59.3
85°	34.2	32.3	31.9	31.9	30.8	29.9	32.3
87.5°	16.2	14.9	15.1	14.8	14.9	14.6	13.9
90°	18.5	19.5	20.4	21.0	21.7	22.2	22.9
92.5°	40.9	42.3	43.2	43.6	44.1	44.6	45.1
95°	77.9	79.5	80.4	80.9	81.2	81.7	82.1
97.5°	121.3	122.7	123.5	123.8	124.0	124.3	124.5
100°	151.8	153.7	155.0	155.3	155.8	156.2	156.7
102.5°	182.9	185.0	186.3	186.9	187.6	188.1	188.7
105°	232.1	233.4	234.3	235.0	235.5	236.2	236.9
107.5°	285.4	286.0	286.3	286.3	286.3	286.2	286.2
110°	322.8	323.5	323.7	323.5	323.2	323.0	322.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	360.0	360.2	360.2	359.9	359.5	359.1	358.7
115°	416.7	416.5	416.3	416.0	415.8	415.7	415.5
117.5°	474.4	474.6	474.2	473.3	472.5	471.6	470.8
120°	512.8	512.8	512.5	511.6	510.8	509.9	509.1
122.5°	550.5	550.4	550.0	549.3	548.6	547.9	547.2
125°	606.1	605.7	605.4	605.2	604.9	604.7	604.5
127.5°	661.8	661.6	661.3	660.8	660.4	660.0	659.6
130°	698.4	698.2	698.0	697.5	697.1	696.6	696.3
132.5°	733.6	733.4	733.0	732.4	731.8	731.2	730.6
135°	787.9	787.9	787.5	786.6	785.8	784.9	784.1
137.5°	840.8	841.0	840.7	839.6	838.6	837.4	836.4
140°	874.2	874.6	874.3	873.3	872.1	871.1	870.1
142.5°	906.5	906.8	906.3	905.3	904.3	903.2	902.1
145°	953.1	953.1	952.8	952.2	951.5	950.9	950.3
147.5°	997.0	997.6	997.1	995.7	994.2	992.8	991.4
150°	1023.8	1023.8	1023.6	1023.1	1022.8	1022.3	1021.9
152.5°	1049.8	1050.3	1050.2	1049.4	1048.7	1047.8	1047.1
155°	1086.6	1087.4	1087.2	1086.2	1085.1	1084.1	1083.0
157.5°	1118.0	1118.9	1118.6	1117.2	1115.8	1114.4	1113.0
160°	1137.2	1138.0	1137.8	1136.8	1135.8	1134.7	1133.6
162.5°	1155.2	1156.2	1156.1	1154.9	1153.7	1152.4	1151.2
165°	1179.1	1180.0	1179.8	1178.6	1177.2	1176.0	1174.7
167.5°	1197.4	1198.7	1198.7	1197.4	1196.1	1194.8	1193.4
170°	1208.2	1209.4	1209.3	1207.8	1206.4	1204.9	1203.3
172.5°	1215.8	1217.0	1217.0	1215.7	1214.4	1213.1	1211.7
175°	1224.4	1225.7	1225.5	1224.1	1222.6	1221.1	1219.6
177.5°	1228.0	1229.0	1228.9	1227.8	1226.5	1225.4	1224.2
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2

(END OF REPORT)