

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: P333676-830

Luminaire Tested: **S125RDIW-S610D1560U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333676-830  
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: S125RDIW-S610D1560U830-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8141.4 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

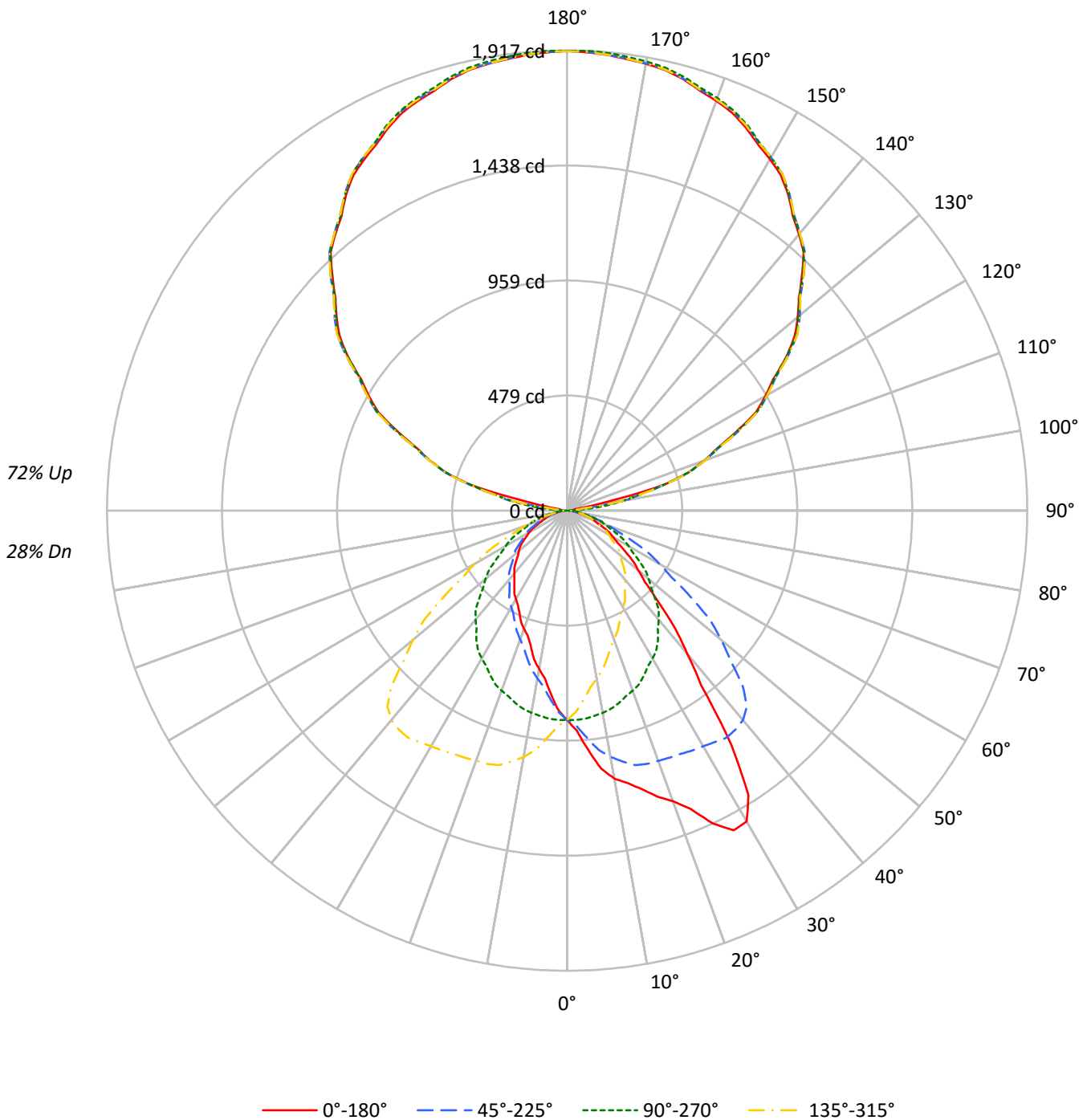
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

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

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

	0°	90°	180°	270°
0°	5633	5633	5633	5633
5°	6481	5641	4982	5641
10°	7434	5612	4395	5612
15°	8029	5554	3907	5554
20°	8854	5487	3608	5487
25°	10246	5399	3348	5399
30°	11150	5305	3177	5305
35°	9406	5196	3020	5196
40°	6568	5001	2886	5001
45°	4873	4738	2754	4738
50°	3885	4464	2640	4464
55°	3297	4124	2540	4124
60°	2849	3821	2378	3821
65°	2540	3492	2046	3492
70°	2232	3199	1866	3199
75°	1931	2770	1752	2770
80°	1465	2332	1465	2332
85°	1223	1830	1386	1830



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	1.0
10°-20°	245.1	3.0
20°-30°	388.6	4.8
30°-40°	468.7	5.8
40°-50°	418.5	5.1
50°-60°	321.0	3.9
60°-70°	208.6	2.6
70°-80°	101.4	1.2
80°-90°	28.2	0.3
90°-100°	69.6	0.9
100°-110°	428.7	5.3
110°-120°	777.5	9.5
120°-130°	997.8	12.3
130°-140°	1073.2	13.2
140°-150°	1007.4	12.4
150°-160°	814.9	10.0
160°-170°	527.0	6.5
170°-180°	181.8	2.2
0°-30°	717.4	8.8
0°-40°	1186.0	14.6
0°-60°	1925.5	23.7
0°-90°	2263.7	27.8
90°-120°	1275.7	15.7
90°-150°	4354.1	53.5
90°-180°	5878.0	72.2
0°-180°	8141.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	1000	870	768	870	1000	100
15°	1201	831	584	831	1201	344
25°	1438	758	470	758	1438	660
35°	1193	659	383	659	1193	721
45°	534	519	302	519	534	426
55°	293	366	226	366	293	266
65°	166	228	134	228	166	165
75°	77	111	70	111	77	82
85°	16	25	19	25	16	20
90°	34	1	34	1	34	15
95°	30	81	30	81	30	25
105°	421	417	421	417	421	381
115°	778	783	778	783	778	772
125°	1114	1114	1114	1114	1114	991
135°	1383	1389	1383	1389	1383	1068
145°	1606	1610	1606	1610	1606	1003
155°	1761	1774	1761	1774	1761	812
165°	1862	1872	1862	1872	1862	525
175°	1906	1914	1906	1914	1906	181
180°	1914	1914	1914	1914	1914	



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	917.5	916.9	918.0	914.8	915.2	910.3	910.3	906.5	901.7	898.0	896.3
5°	999.7	1000.4	998.9	993.5	990.0	984.6	978.5	967.8	958.8	950.3	943.5
7.5°	1084.3	1084.8	1080.1	1078.5	1069.4	1062.8	1049.3	1034.7	1021.7	1005.2	992.7
10°	1133.6	1133.2	1128.2	1124.3	1116.3	1106.4	1093.1	1075.9	1059.8	1041.9	1024.7
12.5°	1162.2	1161.3	1159.7	1154.9	1147.6	1138.7	1127.5	1110.6	1090.7	1071.1	1051.1
15°	1200.9	1198.3	1193.7	1187.6	1177.2	1166.9	1154.3	1139.3	1120.3	1098.2	1079.5
17.5°	1248.7	1248.8	1241.6	1233.2	1219.1	1200.7	1181.4	1157.2	1131.3	1106.9	1087.1
20°	1288.3	1287.1	1280.0	1263.6	1247.5	1224.6	1202.3	1172.6	1141.1	1109.2	1084.5
22.5°	1344.9	1342.2	1334.7	1313.1	1288.1	1258.6	1224.6	1188.4	1150.3	1114.1	1081.7
25°	1437.9	1435.8	1421.1	1396.0	1360.9	1315.4	1271.0	1221.3	1166.5	1118.9	1079.5
27.5°	1501.5	1499.1	1488.3	1467.4	1435.0	1387.2	1327.1	1260.7	1192.2	1126.7	1069.9
30°	1495.2	1500.5	1499.1	1489.5	1465.1	1422.1	1366.7	1291.8	1210.5	1133.6	1065.9
32.5°	1405.2	1410.0	1422.7	1441.6	1443.0	1425.9	1384.4	1315.3	1231.1	1143.6	1062.7
35°	1193.0	1199.5	1223.8	1262.1	1312.2	1354.2	1362.7	1325.5	1249.9	1155.7	1058.0
37.5°	917.2	952.4	972.9	1013.2	1088.9	1166.0	1240.1	1267.4	1235.3	1150.8	1050.4
40°	779.1	787.7	824.3	869.7	933.4	1013.6	1119.3	1195.5	1198.0	1139.3	1038.3
42.5°	666.8	677.7	702.8	739.0	793.6	873.8	982.9	1083.5	1130.1	1107.8	1022.6
45°	533.5	541.7	560.0	587.9	629.8	696.1	789.9	906.3	998.6	1034.7	980.3
47.5°	438.3	442.7	458.5	479.8	510.9	559.1	631.7	732.7	843.6	921.2	913.6
50°	386.7	391.7	403.9	420.0	446.1	486.9	545.0	629.1	743.3	838.2	857.1
52.5°	346.6	350.7	358.4	373.6	395.1	426.5	473.3	549.5	652.2	753.1	797.0
55°	292.8	295.8	301.8	310.4	327.6	350.2	390.6	443.3	526.3	628.0	692.5
57.5°	248.6	250.1	253.9	261.8	273.7	290.2	319.4	364.1	423.7	515.2	586.4
60°	220.6	222.0	227.0	232.3	241.7	256.7	279.7	310.8	368.1	443.7	515.6
62.5°	198.2	199.1	201.2	206.6	214.7	226.4	244.4	269.8	315.4	381.7	449.7
65°	166.2	166.5	167.2	171.5	176.5	185.1	196.9	214.8	249.2	299.4	359.5
67.5°	135.3	135.8	138.4	139.9	145.1	149.6	156.6	170.2	194.4	228.2	274.9
70°	118.2	117.8	120.3	122.1	123.9	129.2	133.9	145.0	160.0	185.9	224.9
72.5°	102.1	101.2	102.3	102.9	105.3	109.0	113.6	120.4	132.0	149.8	179.6
75°	77.4	77.7	77.7	78.4	80.2	81.6	83.0	86.6	93.1	104.9	121.0
77.5°	54.3	53.7	55.2	55.4	56.5	58.1	59.3	60.7	63.3	68.2	76.5
80°	39.4	39.4	39.8	40.8	40.4	41.2	43.0	44.4	47.6	50.5	53.3
82.5°	30.3	30.0	30.3	30.5	30.4	31.1	31.8	32.0	33.3	34.7	36.8
85°	16.5	16.5	16.9	16.9	17.2	17.2	17.5	17.5	17.5	17.9	18.3
87.5°	13.1	12.6	12.2	12.0	12.1	12.3	11.8	11.2	10.8	10.6	10.4
90°	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8	24.3	22.7	20.5
92.5°	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8	24.3	22.7	20.7
95°	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8	24.3	22.7	34.7
97.5°	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0	60.9	69.8	93.5
100°	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9	199.9	246.9	245.6
102.5°	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2	306.1	315.0	314.2
105°	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4	535.3	535.2	534.6
110°	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2	609.2	610.1	609.4



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3	681.6	682.8	682.4
115°	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2	790.4	791.7	791.5
117.5°	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3	895.9	897.6	896.4
120°	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1	962.8	963.4	962.4
122.5°	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8	1027.5	1028.1	1027.7
125°	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2	1122.5	1123.7	1123.7
127.5°	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5	1208.2	1208.9	1209.1
130°	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8	1264.7	1265.6	1265.3
132.5°	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4	1316.5	1316.7	1317.4
135°	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5	1394.1	1394.8	1395.3
137.5°	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4	1465.3	1465.1	1465.7
140°	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5	1508.9	1508.3	1508.5
142.5°	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7	1552.7	1552.6	1552.1
145°	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9	1613.5	1613.3	1613.3
147.5°	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2	1665.8	1665.5	1665.1
150°	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6	1699.0	1698.4	1697.7
152.5°	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2	1728.5	1727.9	1727.3
155°	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8	1768.9	1767.9	1767.3
157.5°	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4	1802.4	1801.4	1801.3
160°	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3	1823.1	1821.8	1821.5
162.5°	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5	1841.7	1839.9	1839.7
165°	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1	1866.2	1864.3	1864.1
167.5°	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8	1884.5	1882.3	1882.0
170°	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4	1893.9	1891.3	1891.0
172.5°	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8	1901.6	1899.3	1898.8
175°	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9	1909.5	1907.0	1906.7
177.5°	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3	1913.5	1911.8	1911.5
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	896.3	894.3	890.5	887.1	882.8	879.1	876.5	873.4	869.3	864.5	860.4
5°	935.9	928.0	917.7	908.7	897.3	888.3	879.0	870.1	861.1	849.6	839.6
7.5°	979.9	963.7	947.8	927.9	909.8	893.7	878.3	862.6	847.3	831.0	815.3
10°	1006.8	987.1	965.3	940.2	917.3	895.5	875.4	855.7	835.0	816.7	797.0
12.5°	1032.0	1006.6	981.7	950.0	922.5	895.8	870.2	845.7	823.5	799.8	778.6
15°	1054.8	1029.7	1001.8	963.2	924.8	892.6	862.5	830.7	803.1	776.6	753.0
17.5°	1063.6	1037.4	1004.8	967.7	925.9	885.3	846.6	811.6	779.2	748.3	721.7
20°	1060.2	1034.7	1001.5	966.0	921.2	879.0	837.1	798.4	762.2	729.7	701.4
22.5°	1051.9	1025.6	993.4	956.0	913.5	868.6	824.0	782.7	744.8	711.1	680.2
25°	1039.4	1003.6	970.6	934.2	893.7	849.3	803.1	757.6	717.2	682.8	649.1
27.5°	1026.4	981.8	939.9	903.5	860.8	821.2	776.7	730.1	687.5	652.5	618.0
30°	1014.7	964.6	918.4	877.2	836.8	799.2	756.9	711.4	667.8	631.6	596.5
32.5°	1000.1	946.8	896.1	848.6	809.5	772.2	734.0	690.5	648.0	610.7	575.0
35°	981.8	913.7	858.6	808.1	764.8	728.6	694.3	659.1	616.5	577.9	543.2
37.5°	957.7	880.5	816.7	761.7	716.0	679.7	652.6	620.5	581.6	544.6	512.4
40°	943.1	856.5	786.6	732.2	684.2	645.9	620.5	593.2	557.8	523.1	490.9
42.5°	923.6	834.4	756.3	699.6	651.3	614.4	588.7	565.0	535.2	502.5	468.0
45°	885.4	791.6	709.6	648.8	600.1	563.9	539.9	518.8	496.2	466.2	436.1
47.5°	835.8	747.1	661.2	594.7	547.1	513.5	490.2	473.5	457.4	431.9	402.7
50°	796.0	710.4	626.6	562.1	511.3	479.4	457.6	444.3	429.6	406.4	382.0
52.5°	748.9	672.6	590.5	524.6	476.6	446.8	425.7	412.6	400.4	381.4	358.3
55°	675.0	607.9	532.7	473.0	429.0	398.9	378.8	366.3	359.1	343.0	324.7
57.5°	589.5	541.5	475.2	417.5	378.6	348.8	334.2	323.6	315.5	304.1	291.2
60°	529.9	496.2	436.8	382.0	346.2	317.9	304.7	295.8	288.2	278.5	268.5
62.5°	469.5	445.0	393.3	346.2	313.3	289.5	277.2	269.1	260.4	253.9	244.2
65°	388.5	366.6	330.8	294.0	263.5	244.6	235.6	228.5	223.1	215.9	209.1
67.5°	302.2	293.3	268.6	243.2	221.3	204.4	196.7	191.7	185.2	181.0	176.3
70°	249.2	244.9	227.3	210.6	190.1	178.7	171.5	169.4	161.5	157.2	153.9
72.5°	202.3	200.2	190.1	178.4	164.1	154.0	147.4	145.0	140.0	136.6	134.5
75°	138.6	139.3	137.5	130.0	124.6	118.2	112.4	111.0	107.4	104.5	102.7
77.5°	87.7	91.3	91.4	91.0	89.0	85.0	82.7	81.5	78.0	77.0	76.5
80°	60.1	64.1	67.7	67.3	66.6	65.5	63.7	62.7	60.9	59.8	59.1
82.5°	40.1	43.7	46.8	48.7	48.5	47.5	46.3	45.7	45.4	44.6	44.5
85°	18.9	19.7	20.7	23.3	25.1	25.4	25.1	24.7	23.7	24.0	24.3
87.5°	10.3	9.8	9.6	9.1	8.4	9.3	9.7	9.4	9.4	9.3	9.2
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9	20.1	18.3	16.6
95°	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9	79.9	79.0	78.0
97.5°	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8	170.5	172.2	174.0
100°	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0	237.9	238.8	239.8
102.5°	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2	307.4	308.6	309.8
105°	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2	418.4	419.7	420.9
107.5°	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
110°	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3





TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7	678.4	679.2	680.0
115°	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3	784.8	786.4	788.0
117.5°	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5	892.4	892.3	892.3
120°	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5	960.3	960.0	959.6
122.5°	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8	1021.9	1023.1	1024.4
125°	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8	1116.0	1118.2	1120.4
127.5°	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6	1204.2	1205.8	1207.4
130°	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1	1258.7	1260.3	1261.9
132.5°	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5	1313.4	1315.2	1317.1
135°	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0	1390.9	1392.9	1394.8
137.5°	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3	1461.9	1463.6	1465.2
140°	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8	1507.5	1508.1	1508.7
142.5°	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8	1549.2	1549.5	1549.9
145°	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4	1611.0	1611.7	1612.3
147.5°	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3	1664.2	1664.1	1664.0
150°	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1697.7	1697.1	1696.5
152.5°	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3	1729.9	1728.5	1727.1
155°	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6	1771.7	1769.8	1767.9
157.5°	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2	1805.1	1803.9	1802.8
160°	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9	1827.0	1825.1	1823.3
162.5°	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1	1845.2	1843.3	1841.4
165°	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5	1869.6	1867.6	1865.8
167.5°	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6	1887.7	1885.7	1883.8
170°	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9	1897.6	1895.5	1893.2
172.5°	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7	1904.5	1902.2	1900.1
175°	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0	1912.1	1910.3	1908.4
177.5°	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4	1915.9	1914.4	1912.9
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	857.6	853.6	850.7	845.0	840.9	839.2	836.1	835.3	838.4	836.1	835.8
5°	832.1	821.7	813.5	805.2	796.3	790.6	781.9	780.5	778.4	775.1	774.5
7.5°	801.5	788.0	777.4	763.7	752.0	742.4	731.7	726.6	723.8	719.6	714.1
10°	780.9	764.8	750.5	736.9	722.2	710.4	699.6	691.4	686.0	681.0	678.8
12.5°	760.5	744.1	725.9	709.4	693.0	679.7	667.8	662.4	656.5	650.6	645.6
15°	729.0	707.1	687.1	668.1	654.1	639.8	628.4	620.5	611.5	609.1	599.4
17.5°	695.5	674.0	650.5	630.6	614.4	598.6	586.1	577.1	570.3	561.1	556.7
20°	674.6	649.1	626.2	607.9	590.0	571.5	558.6	551.0	544.6	537.1	533.5
22.5°	652.2	627.4	603.9	582.5	564.3	545.9	536.8	529.0	521.7	514.7	510.0
25°	619.4	594.4	569.7	547.4	528.5	515.2	504.4	495.5	491.6	484.7	479.8
27.5°	587.0	560.3	534.7	512.6	497.7	484.6	475.8	468.7	461.6	455.6	451.3
30°	566.1	538.9	511.0	493.4	477.6	465.1	455.4	448.7	443.3	437.9	434.7
32.5°	545.2	517.1	492.3	473.3	458.5	447.6	437.7	431.1	425.5	419.5	415.8
35°	511.6	483.0	463.0	444.3	429.6	419.6	412.8	403.5	398.9	394.5	390.6
37.5°	480.5	453.8	432.2	415.8	403.1	393.1	384.4	379.3	373.6	369.8	366.5
40°	457.6	433.2	413.6	396.3	387.0	376.0	367.7	361.3	356.9	351.9	348.4
42.5°	437.0	414.3	395.2	379.8	368.2	358.7	350.8	344.4	338.9	335.4	332.3
45°	407.8	385.2	366.6	352.3	341.6	332.6	324.4	321.1	314.0	309.7	308.3
47.5°	377.7	357.5	339.5	326.3	315.3	306.8	299.1	292.6	288.6	284.4	282.1
50°	357.3	338.0	321.1	308.3	297.6	288.2	281.1	276.7	271.4	267.5	264.6
52.5°	337.0	319.1	302.3	289.9	280.6	271.4	263.3	259.0	253.9	251.4	249.4
55°	307.9	289.0	274.7	262.4	252.8	244.2	236.7	232.3	229.1	226.7	225.9
57.5°	274.9	260.0	246.7	235.6	225.6	217.5	210.9	206.9	204.1	203.7	201.5
60°	253.4	239.9	227.7	215.9	207.3	199.8	194.1	189.5	186.5	186.2	185.5
62.5°	232.1	219.0	207.6	197.3	189.5	182.3	176.9	171.6	169.9	168.1	166.5
65°	200.1	188.3	179.0	170.8	162.6	156.5	151.1	147.9	143.9	141.8	137.9
67.5°	168.8	159.7	150.7	143.8	137.3	131.6	127.1	122.3	119.7	117.9	115.1
70°	148.3	141.1	132.1	124.6	119.6	114.9	111.3	105.9	104.2	102.7	101.3
72.5°	128.8	122.4	114.9	108.9	103.9	99.4	95.3	92.8	91.0	89.5	88.7
75°	101.3	95.2	88.8	84.5	81.0	77.4	75.2	73.4	72.7	72.3	70.9
77.5°	74.4	71.2	66.0	62.6	60.2	58.8	56.8	55.9	55.9	54.3	53.8
80°	56.9	55.1	50.8	49.4	47.6	46.2	45.1	43.4	41.6	40.8	39.8
82.5°	42.3	40.5	38.8	36.5	35.1	34.1	33.1	32.4	32.6	31.7	31.1
85°	22.5	20.7	20.1	19.7	18.9	19.7	19.3	18.9	18.7	18.3	18.7
87.5°	9.4	9.9	10.1	11.1	10.7	11.4	11.7	11.8	12.1	12.3	12.3
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8	27.4	29.0	30.3
92.5°	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8	27.4	29.0	30.0
95°	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8	27.4	29.0	29.8
97.5°	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0	43.2	34.2	29.8
100°	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9	105.9	59.0	34.9
102.5°	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2	288.3	279.5	264.3
105°	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.6
107.5°	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4	535.4	535.5	535.0
110°	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2	607.3	606.3	606.1



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3	679.2	678.0	677.1
115°	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2	788.0	786.6	785.1
117.5°	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3	892.7	891.0	889.8
120°	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1	961.5	960.9	959.8
122.5°	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8	1026.2	1025.6	1024.4
125°	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2	1119.9	1118.7	1117.6
127.5°	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5	1206.8	1206.1	1204.6
130°	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8	1262.8	1261.9	1260.6
132.5°	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4	1316.2	1316.0	1315.0
135°	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5	1392.9	1392.2	1390.9
137.5°	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4	1465.5	1465.7	1464.9
140°	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5	1510.1	1510.8	1510.1
142.5°	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7	1552.9	1553.0	1552.2
145°	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9	1614.2	1614.5	1613.7
147.5°	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2	1666.6	1667.0	1666.0
150°	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6	1700.3	1700.9	1700.0
152.5°	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2	1729.8	1730.4	1729.6
155°	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8	1770.8	1771.7	1770.8
157.5°	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4	1804.4	1805.4	1804.7
160°	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3	1825.6	1826.8	1826.3
162.5°	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5	1845.3	1847.0	1846.5
165°	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1	1870.1	1872.0	1871.6
167.5°	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8	1889.0	1891.3	1891.0
170°	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4	1898.9	1901.4	1901.3
172.5°	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8	1906.1	1908.4	1908.1
175°	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9	1914.5	1917.0	1916.8
177.5°	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3	1917.0	1918.8	1918.7
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	835.6	832.4	831.5	832.6	831.5	832.4	835.6	835.8	836.1	838.4	835.3
5°	770.9	767.3	769.1	768.4	769.1	767.3	770.9	774.5	775.1	778.4	780.5
7.5°	714.0	709.5	704.8	706.3	704.8	709.5	714.0	714.1	719.6	723.8	726.6
10°	674.2	670.6	668.5	670.2	668.5	670.6	674.2	678.8	681.0	686.0	691.4
12.5°	640.6	638.6	636.7	635.9	636.7	638.6	640.6	645.6	650.6	656.5	662.4
15°	595.0	590.8	589.0	584.4	589.0	590.8	595.0	599.4	609.1	611.5	620.5
17.5°	553.0	551.6	547.0	545.0	547.0	551.6	553.0	556.7	561.1	570.3	577.1
20°	528.1	526.7	522.1	524.9	522.1	526.7	528.1	533.5	537.1	544.6	551.0
22.5°	507.5	504.4	502.8	502.0	502.8	504.4	507.5	510.0	514.7	521.7	529.0
25°	478.3	473.7	471.9	469.8	471.9	473.7	478.3	479.8	484.7	491.6	495.5
27.5°	449.3	446.8	444.4	443.8	444.4	446.8	449.3	451.3	455.6	461.6	468.7
30°	430.4	427.8	426.0	426.0	426.0	427.8	430.4	434.7	437.9	443.3	448.7
32.5°	413.5	411.5	409.7	409.4	409.7	411.5	413.5	415.8	419.5	425.5	431.1
35°	388.8	386.0	385.2	383.1	385.2	386.0	388.8	390.6	394.5	398.9	403.5
37.5°	363.3	360.9	360.8	360.6	360.8	360.9	363.3	366.5	369.8	373.6	379.3
40°	346.9	345.2	344.8	342.3	344.8	345.2	346.9	348.4	351.9	356.9	361.3
42.5°	329.5	328.6	327.3	326.2	327.3	328.6	329.5	332.3	335.4	338.9	344.4
45°	305.8	303.3	303.3	301.5	303.3	303.3	305.8	308.3	309.7	314.0	321.1
47.5°	281.3	279.4	279.6	277.7	279.6	279.4	281.3	282.1	284.4	288.6	292.6
50°	264.9	263.9	263.5	262.8	263.5	263.9	264.9	264.6	267.5	271.4	276.7
52.5°	248.6	248.2	249.5	247.9	249.5	248.2	248.6	249.4	251.4	253.9	259.0
55°	226.7	225.6	227.7	225.6	227.7	225.6	226.7	225.9	226.7	229.1	232.3
57.5°	201.3	200.4	202.3	201.2	202.3	200.4	201.3	201.5	203.7	204.1	206.9
60°	184.7	182.6	183.7	184.1	183.7	182.6	184.7	185.5	186.2	186.5	189.5
62.5°	164.9	163.7	164.5	162.9	164.5	163.7	164.9	166.5	168.1	169.9	171.6
65°	137.1	136.1	134.6	133.9	134.6	136.1	137.1	137.9	141.8	143.9	147.9
67.5°	115.2	112.6	112.5	113.1	112.5	112.6	115.2	115.1	117.9	119.7	122.3
70°	99.2	99.2	98.8	98.8	98.8	99.2	99.2	101.3	102.7	104.2	105.9
72.5°	88.0	87.8	87.1	86.8	87.1	87.8	88.0	88.7	89.5	91.0	92.8
75°	70.9	71.3	70.5	70.2	70.5	71.3	70.9	70.9	72.3	72.7	73.4
77.5°	52.3	50.8	51.7	50.8	51.7	50.8	52.3	53.8	54.3	55.9	55.9
80°	39.8	39.4	40.4	39.4	40.4	39.4	39.8	39.8	40.8	41.6	43.4
82.5°	31.5	31.1	31.6	30.8	31.6	31.1	31.5	31.1	31.7	32.6	32.4
85°	18.9	18.7	18.3	18.7	18.3	18.7	18.9	18.7	18.3	18.7	18.9
87.5°	12.8	12.7	12.9	13.1	12.9	12.7	12.8	12.3	12.3	12.1	11.8
90°	31.2	32.1	33.1	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8
92.5°	30.4	30.9	31.4	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8
95°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8
97.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0
100°	33.6	32.3	31.1	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9
102.5°	242.8	221.4	199.9	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2
105°	422.4	422.1	421.7	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8
107.5°	534.0	533.1	532.2	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4
110°	606.3	606.6	607.0	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	676.7	676.3	675.8	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3
115°	783.3	781.3	779.4	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2
117.5°	889.0	888.2	887.3	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3
120°	958.2	956.6	955.1	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1
122.5°	1022.6	1020.7	1018.9	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8
125°	1116.6	1115.7	1114.7	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2
127.5°	1202.2	1200.0	1197.6	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5
130°	1259.0	1257.4	1255.8	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8
132.5°	1313.5	1311.9	1310.3	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4
135°	1389.0	1387.1	1385.3	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5
137.5°	1463.2	1461.6	1459.9	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4
140°	1508.3	1506.4	1504.5	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5
142.5°	1550.2	1548.3	1546.4	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7
145°	1611.8	1610.0	1608.1	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9
147.5°	1663.8	1661.5	1659.3	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2
150°	1697.4	1694.9	1692.4	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6
152.5°	1727.3	1725.0	1722.8	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2
155°	1768.4	1765.9	1763.3	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8
157.5°	1802.1	1799.6	1797.1	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4
160°	1823.7	1821.2	1818.6	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3
162.5°	1843.8	1841.0	1838.2	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5
165°	1869.2	1866.6	1864.1	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1
167.5°	1888.2	1885.4	1882.5	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8
170°	1898.5	1895.6	1892.7	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4
172.5°	1905.3	1902.4	1899.6	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8
175°	1914.0	1911.2	1908.4	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9
177.5°	1916.7	1914.7	1912.6	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	836.1	839.2	840.9	845.0	850.7	853.6	857.6	860.4	864.5	869.3	873.4
5°	781.9	790.6	796.3	805.2	813.5	821.7	832.1	839.6	849.6	861.1	870.1
7.5°	731.7	742.4	752.0	763.7	777.4	788.0	801.5	815.3	831.0	847.3	862.6
10°	699.6	710.4	722.2	736.9	750.5	764.8	780.9	797.0	816.7	835.0	855.7
12.5°	667.8	679.7	693.0	709.4	725.9	744.1	760.5	778.6	799.8	823.5	845.7
15°	628.4	639.8	654.1	668.1	687.1	707.1	729.0	753.0	776.6	803.1	830.7
17.5°	586.1	598.6	614.4	630.6	650.5	674.0	695.5	721.7	748.3	779.2	811.6
20°	558.6	571.5	590.0	607.9	626.2	649.1	674.6	701.4	729.7	762.2	798.4
22.5°	536.8	545.9	564.3	582.5	603.9	627.4	652.2	680.2	711.1	744.8	782.7
25°	504.4	515.2	528.5	547.4	569.7	594.4	619.4	649.1	682.8	717.2	757.6
27.5°	475.8	484.6	497.7	512.6	534.7	560.3	587.0	618.0	652.5	687.5	730.1
30°	455.4	465.1	477.6	493.4	511.0	538.9	566.1	596.5	631.6	667.8	711.4
32.5°	437.7	447.6	458.5	473.3	492.3	517.1	545.2	575.0	610.7	648.0	690.5
35°	412.8	419.6	429.6	444.3	463.0	483.0	511.6	543.2	577.9	616.5	659.1
37.5°	384.4	393.1	403.1	415.8	432.2	453.8	480.5	512.4	544.6	581.6	620.5
40°	367.7	376.0	387.0	396.3	413.6	433.2	457.6	490.9	523.1	557.8	593.2
42.5°	350.8	358.7	368.2	379.8	395.2	414.3	437.0	468.0	502.5	535.2	565.0
45°	324.4	332.6	341.6	352.3	366.6	385.2	407.8	436.1	466.2	496.2	518.8
47.5°	299.1	306.8	315.3	326.3	339.5	357.5	377.7	402.7	431.9	457.4	473.5
50°	281.1	288.2	297.6	308.3	321.1	338.0	357.3	382.0	406.4	429.6	444.3
52.5°	263.3	271.4	280.6	289.9	302.3	319.1	337.0	358.3	381.4	400.4	412.6
55°	236.7	244.2	252.8	262.4	274.7	289.0	307.9	324.7	343.0	359.1	366.3
57.5°	210.9	217.5	225.6	235.6	246.7	260.0	274.9	291.2	304.1	315.5	323.6
60°	194.1	199.8	207.3	215.9	227.7	239.9	253.4	268.5	278.5	288.2	295.8
62.5°	176.9	182.3	189.5	197.3	207.6	219.0	232.1	244.2	253.9	260.4	269.1
65°	151.1	156.5	162.6	170.8	179.0	188.3	200.1	209.1	215.9	223.1	228.5
67.5°	127.1	131.6	137.3	143.8	150.7	159.7	168.8	176.3	181.0	185.2	191.7
70°	111.3	114.9	119.6	124.6	132.1	141.1	148.3	153.9	157.2	161.5	169.4
72.5°	95.3	99.4	103.9	108.9	114.9	122.4	128.8	134.5	136.6	140.0	145.0
75°	75.2	77.4	81.0	84.5	88.8	95.2	101.3	102.7	104.5	107.4	111.0
77.5°	56.8	58.8	60.2	62.6	66.0	71.2	74.4	76.5	77.0	78.0	81.5
80°	45.1	46.2	47.6	49.4	50.8	55.1	56.9	59.1	59.8	60.9	62.7
82.5°	33.1	34.1	35.1	36.5	38.8	40.5	42.3	44.5	44.6	45.4	45.7
85°	19.3	19.7	18.9	19.7	20.1	20.7	22.5	24.3	24.0	23.7	24.7
87.5°	11.7	11.4	10.7	11.1	10.1	9.9	9.4	9.2	9.3	9.4	9.4
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	24.3	22.7	20.7	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9
95°	24.3	22.7	34.7	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9
97.5°	60.9	69.8	93.5	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8
100°	199.9	246.9	245.6	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0
102.5°	306.1	315.0	314.2	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2
105°	422.8	422.8	422.8	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2
107.5°	535.3	535.2	534.6	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3
110°	609.2	610.1	609.4	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	681.6	682.8	682.4	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7
115°	790.4	791.7	791.5	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3
117.5°	895.9	897.6	896.4	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5
120°	962.8	963.4	962.4	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5
122.5°	1027.5	1028.1	1027.7	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8
125°	1122.5	1123.7	1123.7	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8
127.5°	1208.2	1208.9	1209.1	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6
130°	1264.7	1265.6	1265.3	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1
132.5°	1316.5	1316.7	1317.4	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5
135°	1394.1	1394.8	1395.3	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0
137.5°	1465.3	1465.1	1465.7	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3
140°	1508.9	1508.3	1508.5	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8
142.5°	1552.7	1552.6	1552.1	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8
145°	1613.5	1613.3	1613.3	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4
147.5°	1665.8	1665.5	1665.1	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3
150°	1699.0	1698.4	1697.7	1697.1	1696.5	1695.8	1695.8	1695.8	1696.5	1697.1	1697.7
152.5°	1728.5	1727.9	1727.3	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3
155°	1768.9	1767.9	1767.3	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6
157.5°	1802.4	1801.4	1801.3	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2
160°	1823.1	1821.8	1821.5	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9
162.5°	1841.7	1839.9	1839.7	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1
165°	1866.2	1864.3	1864.1	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5
167.5°	1884.5	1882.3	1882.0	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6
170°	1893.9	1891.3	1891.0	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9
172.5°	1901.6	1899.3	1898.8	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7
175°	1909.5	1907.0	1906.7	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0
177.5°	1913.5	1911.8	1911.5	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	876.5	879.1	882.8	887.1	890.5	894.3	896.3	896.3	898.0	901.7	906.5
5°	879.0	888.3	897.3	908.7	917.7	928.0	935.9	943.5	950.3	958.8	967.8
7.5°	878.3	893.7	909.8	927.9	947.8	963.7	979.9	992.7	1005.2	1021.7	1034.7
10°	875.4	895.5	917.3	940.2	965.3	987.1	1006.8	1024.7	1041.9	1059.8	1075.9
12.5°	870.2	895.8	922.5	950.0	981.7	1006.6	1032.0	1051.1	1071.1	1090.7	1110.6
15°	862.5	892.6	924.8	963.2	1001.8	1029.7	1054.8	1079.5	1098.2	1120.3	1139.3
17.5°	846.6	885.3	925.9	967.7	1004.8	1037.4	1063.6	1087.1	1106.9	1131.3	1157.2
20°	837.1	879.0	921.2	966.0	1001.5	1034.7	1060.2	1084.5	1109.2	1141.1	1172.6
22.5°	824.0	868.6	913.5	956.0	993.4	1025.6	1051.9	1081.7	1114.1	1150.3	1188.4
25°	803.1	849.3	893.7	934.2	970.6	1003.6	1039.4	1079.5	1118.9	1166.5	1221.3
27.5°	776.7	821.2	860.8	903.5	939.9	981.8	1026.4	1069.9	1126.7	1192.2	1260.7
30°	756.9	799.2	836.8	877.2	918.4	964.6	1014.7	1065.9	1133.6	1210.5	1291.8
32.5°	734.0	772.2	809.5	848.6	896.1	946.8	1000.1	1062.7	1143.6	1231.1	1315.3
35°	694.3	728.6	764.8	808.1	858.6	913.7	981.8	1058.0	1155.7	1249.9	1325.5
37.5°	652.6	679.7	716.0	761.7	816.7	880.5	957.7	1050.4	1150.8	1235.3	1267.4
40°	620.5	645.9	684.2	732.2	786.6	856.5	943.1	1038.3	1139.3	1198.0	1195.5
42.5°	588.7	614.4	651.3	699.6	756.3	834.4	923.6	1022.6	1107.8	1130.1	1083.5
45°	539.9	563.9	600.1	648.8	709.6	791.6	885.4	980.3	1034.7	998.6	906.3
47.5°	490.2	513.5	547.1	594.7	661.2	747.1	835.8	913.6	921.2	843.6	732.7
50°	457.6	479.4	511.3	562.1	626.6	710.4	796.0	857.1	838.2	743.3	629.1
52.5°	425.7	446.8	476.6	524.6	590.5	672.6	748.9	797.0	753.1	652.2	549.5
55°	378.8	398.9	429.0	473.0	532.7	607.9	675.0	692.5	628.0	526.3	443.3
57.5°	334.2	348.8	378.6	417.5	475.2	541.5	589.5	586.4	515.2	423.7	364.1
60°	304.7	317.9	346.2	382.0	436.8	496.2	529.9	515.6	443.7	368.1	310.8
62.5°	277.2	289.5	313.3	346.2	393.3	445.0	469.5	449.7	381.7	315.4	269.8
65°	235.6	244.6	263.5	294.0	330.8	366.6	388.5	359.5	299.4	249.2	214.8
67.5°	196.7	204.4	221.3	243.2	268.6	293.3	302.2	274.9	228.2	194.4	170.2
70°	171.5	178.7	190.1	210.6	227.3	244.9	249.2	224.9	185.9	160.0	145.0
72.5°	147.4	154.0	164.1	178.4	190.1	200.2	202.3	179.6	149.8	132.0	120.4
75°	112.4	118.2	124.6	130.0	137.5	139.3	138.6	121.0	104.9	93.1	86.6
77.5°	82.7	85.0	89.0	91.0	91.4	91.3	87.7	76.5	68.2	63.3	60.7
80°	63.7	65.5	66.6	67.3	67.7	64.1	60.1	53.3	50.5	47.6	44.4
82.5°	46.3	47.5	48.5	48.7	46.8	43.7	40.1	36.8	34.7	33.3	32.0
85°	25.1	25.4	25.1	23.3	20.7	19.7	18.9	18.3	17.9	17.5	17.5
87.5°	9.7	9.3	8.4	9.1	9.6	9.8	10.3	10.4	10.6	10.8	11.2
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8
92.5°	20.1	18.3	16.6	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8
95°	79.9	79.0	78.0	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8
97.5°	170.5	172.2	174.0	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0
100°	237.9	238.8	239.8	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9
102.5°	307.4	308.6	309.8	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2
105°	418.4	419.7	420.9	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	532.3	532.3	532.3	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4
110°	607.3	607.3	607.3	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2





TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	678.4	679.2	680.0	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3
115°	784.8	786.4	788.0	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2
117.5°	892.4	892.3	892.3	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3
120°	960.3	960.0	959.6	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1
122.5°	1021.9	1023.1	1024.4	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8
125°	1116.0	1118.2	1120.4	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2
127.5°	1204.2	1205.8	1207.4	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5
130°	1258.7	1260.3	1261.9	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8
132.5°	1313.4	1315.2	1317.1	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4
135°	1390.9	1392.9	1394.8	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5
137.5°	1461.9	1463.6	1465.2	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4
140°	1507.5	1508.1	1508.7	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5
142.5°	1549.2	1549.5	1549.9	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7
145°	1611.0	1611.7	1612.3	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9
147.5°	1664.2	1664.1	1664.0	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2
150°	1697.7	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6
152.5°	1729.9	1728.5	1727.1	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2
155°	1771.7	1769.8	1767.9	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8
157.5°	1805.1	1803.9	1802.8	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4
160°	1827.0	1825.1	1823.3	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3
162.5°	1845.2	1843.3	1841.4	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5
165°	1869.6	1867.6	1865.8	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1
167.5°	1887.7	1885.7	1883.8	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8
170°	1897.6	1895.5	1893.2	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4
172.5°	1904.5	1902.2	1900.1	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8
175°	1912.1	1910.3	1908.4	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9
177.5°	1915.9	1914.4	1912.9	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	910.3	910.3	915.2	914.8	918.0	916.9	917.5
5°	978.5	984.6	990.0	993.5	998.9	1000.4	999.7
7.5°	1049.3	1062.8	1069.4	1078.5	1080.1	1084.8	1084.3
10°	1093.1	1106.4	1116.3	1124.3	1128.2	1133.2	1133.6
12.5°	1127.5	1138.7	1147.6	1154.9	1159.7	1161.3	1162.2
15°	1154.3	1166.9	1177.2	1187.6	1193.7	1198.3	1200.9
17.5°	1181.4	1200.7	1219.1	1233.2	1241.6	1248.8	1248.7
20°	1202.3	1224.6	1247.5	1263.6	1280.0	1287.1	1288.3
22.5°	1224.6	1258.6	1288.1	1313.1	1334.7	1342.2	1344.9
25°	1271.0	1315.4	1360.9	1396.0	1421.1	1435.8	1437.9
27.5°	1327.1	1387.2	1435.0	1467.4	1488.3	1499.1	1501.5
30°	1366.7	1422.1	1465.1	1489.5	1499.1	1500.5	1495.2
32.5°	1384.4	1425.9	1443.0	1441.6	1422.7	1410.0	1405.2
35°	1362.7	1354.2	1312.2	1262.1	1223.8	1199.5	1193.0
37.5°	1240.1	1166.0	1088.9	1013.2	972.9	952.4	917.2
40°	1119.3	1013.6	933.4	869.7	824.3	787.7	779.1
42.5°	982.9	873.8	793.6	739.0	702.8	677.7	666.8
45°	789.9	696.1	629.8	587.9	560.0	541.7	533.5
47.5°	631.7	559.1	510.9	479.8	458.5	442.7	438.3
50°	545.0	486.9	446.1	420.0	403.9	391.7	386.7
52.5°	473.3	426.5	395.1	373.6	358.4	350.7	346.6
55°	390.6	350.2	327.6	310.4	301.8	295.8	292.8
57.5°	319.4	290.2	273.7	261.8	253.9	250.1	248.6
60°	279.7	256.7	241.7	232.3	227.0	222.0	220.6
62.5°	244.4	226.4	214.7	206.6	201.2	199.1	198.2
65°	196.9	185.1	176.5	171.5	167.2	166.5	166.2
67.5°	156.6	149.6	145.1	139.9	138.4	135.8	135.3
70°	133.9	129.2	123.9	122.1	120.3	117.8	118.2
72.5°	113.6	109.0	105.3	102.9	102.3	101.2	102.1
75°	83.0	81.6	80.2	78.4	77.7	77.7	77.4
77.5°	59.3	58.1	56.5	55.4	55.2	53.7	54.3
80°	43.0	41.2	40.4	40.8	39.8	39.4	39.4
82.5°	31.8	31.1	30.4	30.5	30.3	30.0	30.3
85°	17.5	17.2	17.2	16.9	16.9	16.5	16.5
87.5°	11.8	12.3	12.1	12.0	12.2	12.6	13.1
90°	27.4	29.0	30.3	31.2	32.1	33.1	34.0
92.5°	27.4	29.0	30.0	30.4	30.9	31.4	31.8
95°	27.4	29.0	29.8	29.8	29.8	29.8	29.8
97.5°	43.2	34.2	29.8	29.8	29.8	29.8	29.8
100°	105.9	59.0	34.9	33.6	32.3	31.1	29.8
102.5°	288.3	279.5	264.3	242.8	221.4	199.9	178.5
105°	422.8	422.8	422.6	422.4	422.1	421.7	421.4
107.5°	535.4	535.5	535.0	534.0	533.1	532.2	531.2
110°	607.3	606.3	606.1	606.3	606.6	607.0	607.3



TEST NUMBER: P333676-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	679.2	678.0	677.1	676.7	676.3	675.8	675.3
115°	788.0	786.6	785.1	783.3	781.3	779.4	777.5
117.5°	892.7	891.0	889.8	889.0	888.2	887.3	886.5
120°	961.5	960.9	959.8	958.2	956.6	955.1	953.5
122.5°	1026.2	1025.6	1024.4	1022.6	1020.7	1018.9	1017.0
125°	1119.9	1118.7	1117.6	1116.6	1115.7	1114.7	1113.8
127.5°	1206.8	1206.1	1204.6	1202.2	1200.0	1197.6	1195.2
130°	1262.8	1261.9	1260.6	1259.0	1257.4	1255.8	1254.2
132.5°	1316.2	1316.0	1315.0	1313.5	1311.9	1310.3	1308.7
135°	1392.9	1392.2	1390.9	1389.0	1387.1	1385.3	1383.4
137.5°	1465.5	1465.7	1464.9	1463.2	1461.6	1459.9	1458.3
140°	1510.1	1510.8	1510.1	1508.3	1506.4	1504.5	1502.6
142.5°	1552.9	1553.0	1552.2	1550.2	1548.3	1546.4	1544.5
145°	1614.2	1614.5	1613.7	1611.8	1610.0	1608.1	1606.2
147.5°	1666.6	1667.0	1666.0	1663.8	1661.5	1659.3	1657.0
150°	1700.3	1700.9	1700.0	1697.4	1694.9	1692.4	1689.9
152.5°	1729.8	1730.4	1729.6	1727.3	1725.0	1722.8	1720.5
155°	1770.8	1771.7	1770.8	1768.4	1765.9	1763.3	1760.8
157.5°	1804.4	1805.4	1804.7	1802.1	1799.6	1797.1	1794.6
160°	1825.6	1826.8	1826.3	1823.7	1821.2	1818.6	1816.2
162.5°	1845.3	1847.0	1846.5	1843.8	1841.0	1838.2	1835.4
165°	1870.1	1872.0	1871.6	1869.2	1866.6	1864.1	1861.5
167.5°	1889.0	1891.3	1891.0	1888.2	1885.4	1882.5	1879.7
170°	1898.9	1901.4	1901.3	1898.5	1895.6	1892.7	1889.9
172.5°	1906.1	1908.4	1908.1	1905.3	1902.4	1899.6	1896.8
175°	1914.5	1917.0	1916.8	1914.0	1911.2	1908.4	1905.5
177.5°	1917.0	1918.8	1918.7	1916.7	1914.7	1912.6	1910.6
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0

(END OF REPORT)