

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: P333051-940

Luminaire Tested: **S124RDIW-S575D1560U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333051-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S575D1560U940-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

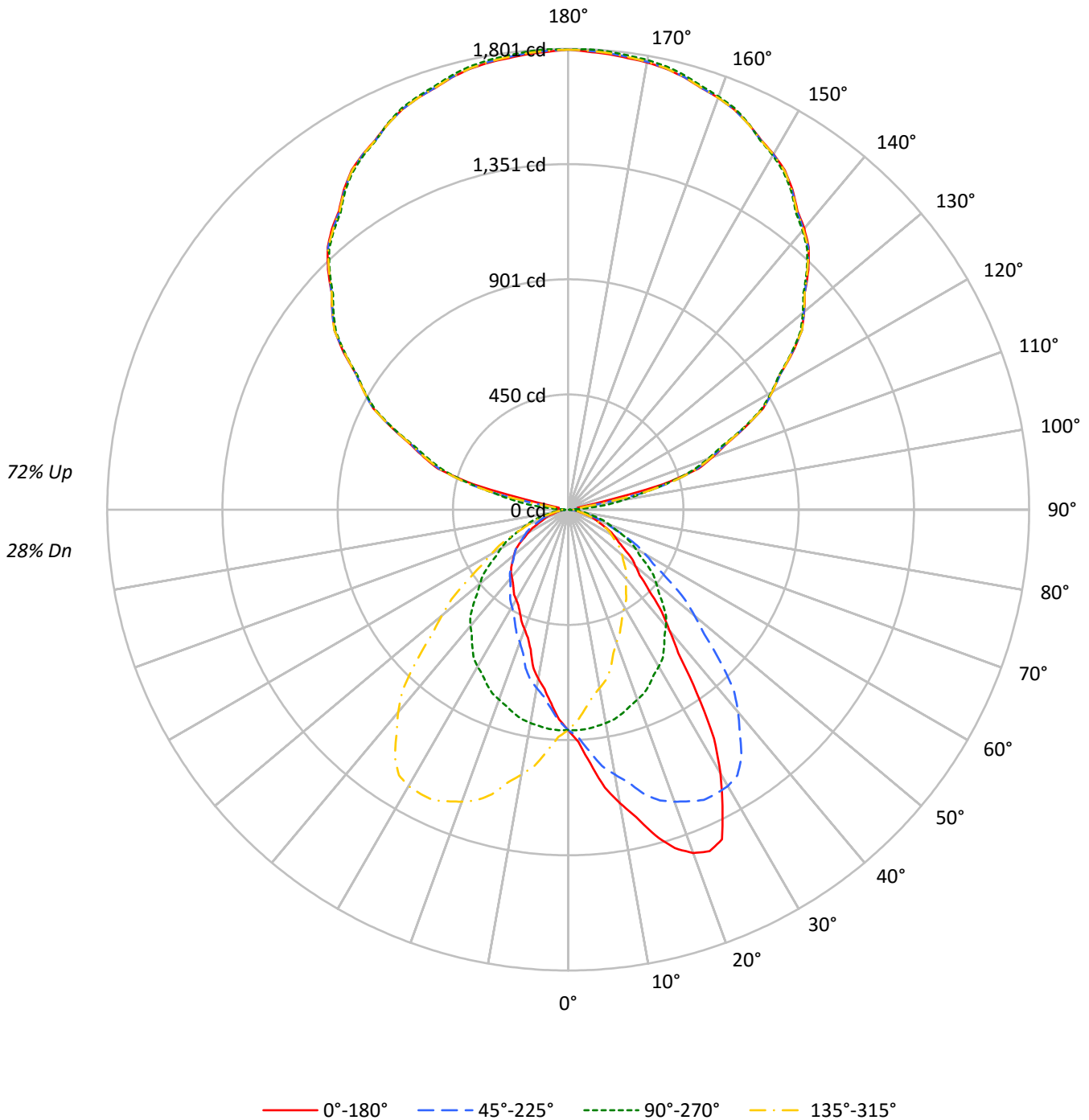
Lumens per Lamp: N/A  
Luminaire Lumens: 7743.4 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-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	63	61	59	47	46	44	32	32	31	24
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	27	26	21
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18
4	71	61	53	48	63	55	48	44	43	39	35	33	30	27	23	21	20	15
5	65	54	46	41	58	49	42	37	39	34	30	29	26	24	21	19	17	14
6	60	49	41	35	54	44	37	32	35	30	27	27	23	21	19	17	15	12
7	55	44	36	31	49	40	33	28	32	27	23	24	21	18	17	15	14	11
8	51	40	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	15	13	14	11	10	8

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

	0°	90°	180°	270°
0°	6952	6952	6952	6952
5°	8064	6972	6163	6972
10°	9539	6942	5501	6942
15°	11019	6878	4726	6878
20°	12269	6790	4274	6790
25°	12665	6703	3968	6703
30°	11087	6598	3784	6598
35°	8630	6441	3672	6441
40°	6472	6263	3613	6263
45°	5109	5977	3580	5977
50°	4314	5647	3478	5647
55°	3761	5284	3291	5284
60°	3384	4907	2913	4907
65°	2982	4500	2506	4500
70°	2686	4079	2261	4079
75°	2249	3615	1928	3615
80°	1901	3082	1808	3082
85°	1612	2408	1612	2408



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.4	1.1
10°-20°	251.7	3.3
20°-30°	393.7	5.1
30°-40°	437.6	5.7
40°-50°	388.3	5.0
50°-60°	302.5	3.9
60°-70°	198.1	2.6
70°-80°	97.4	1.3
80°-90°	29.2	0.4
90°-100°	61.5	0.8
100°-110°	392.1	5.1
110°-120°	750.0	9.7
120°-130°	952.1	12.3
130°-140°	1018.7	13.2
140°-150°	952.6	12.3
150°-160°	768.2	9.9
160°-170°	495.5	6.4
170°-180°	170.8	2.2
0°-30°	728.8	9.4
0°-40°	1166.4	15.1
0°-60°	1857.2	24.0
0°-90°	2181.9	28.2
90°-120°	1203.6	15.5
90°-150°	4127.0	53.3
90°-180°	5561.0	71.8
0°-180°	7743.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	861	861	861	861	861	
5°	995	860	760	860	995	101
15°	1318	823	566	823	1318	375
25°	1422	752	446	752	1422	631
35°	876	654	373	654	876	549
45°	448	524	314	524	448	354
55°	267	375	234	375	267	243
65°	156	236	131	236	156	157
75°	72	116	62	116	72	79
85°	17	26	17	26	17	21
90°	40	4	40	4	40	18
95°	39	74	39	74	39	31
105°	383	405	383	405	383	334
115°	761	756	761	756	761	753
125°	1070	1062	1070	1062	1070	953
135°	1327	1318	1327	1318	1327	1022
145°	1528	1520	1528	1520	1528	955
155°	1665	1666	1665	1666	1665	768
165°	1750	1758	1750	1758	1750	494
175°	1787	1798	1787	1798	1787	170
180°	1798	1798	1798	1798	1798	



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	908.3	910.8	908.3	908.0	905.3	904.5	903.3	899.7	893.0	889.1	890.0
5°	995.1	1003.7	998.9	998.2	990.5	982.9	978.0	967.0	955.1	947.2	940.6
7.5°	1095.4	1100.4	1097.3	1092.4	1080.1	1073.1	1061.8	1047.2	1026.1	1009.9	995.1
10°	1163.7	1167.8	1166.4	1157.4	1148.4	1130.0	1119.6	1099.1	1072.4	1051.2	1031.4
12.5°	1230.8	1235.3	1223.1	1223.5	1206.4	1191.9	1175.4	1149.7	1118.7	1091.5	1066.8
15°	1318.4	1312.9	1312.9	1305.9	1286.8	1266.7	1249.7	1222.6	1183.7	1151.2	1116.9
17.5°	1387.0	1388.9	1386.1	1369.7	1354.7	1333.9	1302.7	1271.1	1235.0	1191.2	1156.2
20°	1428.1	1428.1	1425.0	1413.8	1394.4	1372.2	1338.5	1304.2	1258.4	1214.3	1174.7
22.5°	1444.7	1445.8	1442.2	1433.0	1415.5	1393.8	1365.2	1330.3	1283.1	1233.5	1184.5
25°	1421.8	1428.3	1429.1	1426.6	1421.5	1408.3	1383.7	1347.9	1305.6	1251.8	1199.1
27.5°	1305.4	1313.7	1321.0	1332.9	1348.9	1357.3	1358.3	1340.2	1303.2	1251.5	1198.5
30°	1189.4	1196.2	1218.8	1248.3	1271.2	1292.0	1310.1	1314.9	1294.1	1247.6	1191.8
32.5°	1060.5	1070.0	1092.5	1124.3	1162.4	1197.7	1238.2	1258.8	1258.3	1230.4	1178.8
35°	875.7	882.6	903.5	936.7	982.6	1034.9	1099.1	1149.1	1183.1	1180.6	1149.1
37.5°	706.2	714.1	735.1	762.8	807.2	872.0	934.2	1003.0	1065.9	1101.2	1090.6
40°	614.1	614.5	634.9	663.3	705.0	761.5	829.2	905.5	975.6	1032.9	1043.9
42.5°	541.4	541.4	555.0	585.7	615.6	668.9	733.4	809.2	891.3	957.3	986.8
45°	447.5	450.7	461.8	480.2	503.7	548.8	600.6	671.0	762.9	841.3	890.3
47.5°	379.0	383.6	390.7	405.6	424.5	454.5	497.2	560.5	635.3	721.6	791.2
50°	343.5	344.2	353.2	361.5	377.8	401.8	439.3	492.0	560.7	643.5	720.9
52.5°	313.0	312.8	318.3	328.8	342.1	360.7	390.9	439.0	499.9	574.2	654.1
55°	267.2	268.9	273.0	281.3	291.4	304.6	328.6	364.6	412.5	476.0	548.5
57.5°	232.3	233.2	236.5	240.0	249.2	258.9	276.8	301.8	342.2	394.2	461.8
60°	209.6	209.9	211.0	216.2	223.5	232.5	244.6	265.7	299.8	347.3	400.7
62.5°	187.3	188.0	189.6	193.4	199.0	205.3	217.9	235.0	263.1	303.7	351.9
65°	156.1	156.5	158.9	160.3	164.8	170.3	179.7	191.2	210.6	244.6	281.1
67.5°	130.5	130.5	130.5	132.5	135.6	139.3	144.9	154.1	168.7	189.6	221.7
70°	113.8	113.8	114.5	115.6	117.3	120.4	123.5	130.5	141.2	158.2	182.8
72.5°	98.3	98.5	99.2	99.4	100.3	102.9	105.2	109.6	117.6	130.5	150.3
75°	72.1	73.2	74.9	76.3	78.0	77.8	80.2	82.9	85.3	93.0	104.4
77.5°	53.7	53.1	53.3	54.6	54.8	55.1	56.8	58.9	60.8	64.4	68.5
80°	40.9	40.9	42.0	42.4	42.0	42.4	44.1	45.1	45.8	47.2	51.0
82.5°	30.9	31.5	31.1	31.5	31.7	32.1	33.5	33.7	34.4	35.0	36.6
85°	17.4	17.7	18.0	17.4	17.4	17.4	18.0	18.4	19.1	18.7	19.4
87.5°	14.2	13.8	13.9	13.8	14.0	13.5	13.4	13.6	12.7	12.6	12.1
90°	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2	31.4	29.6	27.2
92.5°	37.1	37.0	36.9	36.7	36.6	35.7	33.9	32.1	30.3	28.5	26.1
95°	39.0	38.7	38.4	38.1	37.8	36.7	35.0	33.2	31.4	29.6	29.2
97.5°	37.6	37.4	37.1	36.7	36.5	36.2	36.0	35.8	35.7	35.5	68.8
100°	37.6	37.4	37.1	36.7	36.5	38.9	44.0	49.0	54.1	59.2	100.4
102.5°	38.7	38.7	38.6	38.5	38.5	65.9	120.6	175.5	230.2	285.1	290.4
105°	383.3	394.0	404.7	415.5	426.2	430.3	427.7	424.9	422.2	419.5	418.0
107.5°	534.1	533.0	531.8	530.7	529.6	528.3	527.1	525.8	524.4	523.1	521.0
110°	599.8	598.9	598.0	597.1	596.2	595.4	594.9	594.2	593.6	593.0	591.2



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	665.4	664.2	663.1	662.0	660.8	660.3	660.4	660.6	660.7	660.8	660.0
115°	761.2	761.2	761.2	761.2	761.2	760.8	760.2	759.6	759.0	758.4	758.8
117.5°	858.4	858.6	858.7	858.8	859.0	859.1	859.2	859.3	859.4	859.5	858.9
120°	919.8	920.4	921.0	921.6	922.2	922.2	921.6	921.0	920.4	919.8	920.1
122.5°	980.1	980.6	981.2	981.9	982.4	982.6	982.2	981.9	981.5	981.1	980.7
125°	1070.4	1070.1	1069.8	1069.5	1069.3	1068.6	1067.7	1066.8	1066.0	1065.1	1065.6
127.5°	1149.8	1150.0	1150.2	1150.5	1150.7	1150.9	1151.1	1151.3	1151.5	1151.6	1150.2
130°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.4	1203.1	1202.8	1202.5	1202.2	1201.3
132.5°	1253.0	1253.3	1253.5	1253.7	1254.0	1253.9	1253.7	1253.4	1253.0	1252.8	1251.6
135°	1327.2	1326.7	1326.1	1325.4	1324.9	1324.3	1323.7	1323.0	1322.5	1321.9	1320.7
137.5°	1390.7	1390.9	1391.1	1391.2	1391.4	1391.2	1390.5	1389.9	1389.2	1388.6	1387.2
140°	1434.9	1434.5	1434.2	1434.0	1433.6	1433.1	1432.2	1431.3	1430.4	1429.4	1428.9
142.5°	1471.4	1471.3	1471.3	1471.2	1471.1	1470.8	1470.2	1469.5	1468.8	1468.2	1467.8
145°	1527.6	1527.1	1526.4	1525.8	1525.3	1524.7	1524.5	1524.2	1523.8	1523.6	1523.6
147.5°	1574.1	1573.9	1573.5	1573.2	1573.0	1572.7	1572.4	1572.2	1572.0	1571.7	1572.0
150°	1604.3	1604.0	1603.7	1603.4	1603.1	1602.9	1602.9	1602.9	1602.9	1602.9	1603.2
152.5°	1630.0	1630.2	1630.4	1630.6	1630.8	1630.7	1630.1	1629.7	1629.2	1628.7	1629.2
155°	1664.8	1665.7	1666.6	1667.5	1668.4	1668.2	1667.1	1665.8	1664.6	1663.4	1664.4
157.5°	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0	1698.5	1696.9	1695.4	1693.8	1694.9
160°	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4	1718.6	1716.8	1715.0	1713.2	1713.5
162.5°	1728.2	1730.3	1732.3	1734.4	1736.3	1736.5	1734.7	1733.0	1731.1	1729.3	1729.7
165°	1749.5	1752.2	1754.9	1757.6	1760.2	1760.4	1758.0	1755.6	1753.2	1750.9	1750.9
167.5°	1765.4	1768.4	1771.4	1774.3	1777.4	1777.5	1774.9	1772.3	1769.6	1767.0	1767.2
170°	1775.0	1778.1	1781.0	1784.0	1787.0	1787.3	1784.9	1782.5	1780.1	1777.7	1777.4
172.5°	1780.4	1783.7	1786.9	1790.1	1793.3	1793.8	1791.4	1789.0	1786.5	1784.2	1783.9
175°	1787.2	1790.7	1794.3	1797.9	1801.5	1802.0	1799.3	1796.5	1793.9	1791.2	1790.9
177.5°	1791.4	1794.3	1797.2	1800.1	1803.0	1803.4	1801.5	1799.6	1797.7	1795.7	1795.3
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	887.3	883.3	881.4	876.9	871.6	868.9	866.4	862.8	858.1	853.1	849.4
5°	932.3	923.9	913.5	901.0	889.9	879.1	869.8	860.4	849.7	838.6	827.5
7.5°	978.5	962.1	944.4	923.9	904.0	885.9	869.2	853.3	835.3	819.0	804.3
10°	1010.7	988.5	963.9	937.8	911.8	889.2	867.0	846.9	824.7	804.9	788.3
12.5°	1036.8	1010.7	981.1	948.6	917.3	890.0	864.5	838.3	813.1	791.6	769.4
15°	1080.0	1044.3	1004.4	965.5	925.0	887.9	853.5	823.0	794.2	764.0	742.8
17.5°	1109.8	1067.4	1019.0	972.2	924.3	880.5	840.9	804.5	771.2	740.5	715.2
20°	1127.6	1080.8	1027.0	973.8	920.1	873.3	830.6	790.3	756.0	722.7	696.7
22.5°	1137.6	1085.7	1027.0	971.3	915.7	865.0	818.1	776.2	738.8	705.5	676.7
25°	1140.8	1085.2	1025.2	961.4	900.4	846.6	798.0	752.5	710.9	677.6	647.0
27.5°	1136.3	1070.9	1009.5	944.0	881.0	824.3	773.3	725.5	683.9	648.1	616.8
30°	1129.6	1059.6	993.6	925.7	861.8	807.4	753.6	707.8	664.4	627.3	595.8
32.5°	1115.3	1045.7	974.8	905.1	840.4	784.3	733.3	687.2	644.7	606.7	573.2
35°	1086.6	1016.2	939.1	867.7	804.2	745.9	698.0	653.6	613.1	572.5	537.1
37.5°	1048.9	977.0	900.4	822.2	758.6	703.6	659.6	618.0	578.3	541.3	502.0
40°	1013.4	947.9	868.8	791.0	725.9	672.7	632.1	594.3	554.5	517.6	478.4
42.5°	970.4	914.5	834.6	756.6	692.2	641.1	603.2	566.3	530.0	494.4	453.4
45°	898.6	856.3	781.3	706.4	641.5	590.8	556.2	523.5	491.6	457.6	419.1
47.5°	816.3	787.6	723.0	646.2	586.2	540.6	507.1	480.5	453.4	419.5	385.7
50°	759.1	740.7	678.3	608.2	551.0	509.0	474.7	449.6	427.1	394.5	364.3
52.5°	698.0	688.3	635.5	568.5	513.2	472.1	442.7	420.3	397.4	370.3	342.1
55°	605.1	610.3	565.5	507.6	455.6	420.9	394.1	375.4	356.0	333.1	311.2
57.5°	510.0	529.1	499.0	448.1	399.3	367.3	347.1	331.4	315.1	296.0	277.4
60°	453.1	469.0	452.1	407.3	364.6	334.8	316.1	303.9	287.6	270.3	256.0
62.5°	397.6	414.6	404.6	368.5	328.9	303.2	286.7	275.4	263.2	248.1	233.3
65°	327.9	338.9	334.1	309.2	281.1	259.1	243.9	235.6	224.4	213.4	200.2
67.5°	251.1	272.6	269.7	256.5	232.2	215.1	205.1	197.8	187.6	179.4	170.4
70°	206.4	226.2	225.9	215.1	201.9	185.9	179.1	172.8	163.7	155.8	148.5
72.5°	169.0	187.1	189.8	181.6	172.5	160.4	153.7	149.5	140.7	135.3	129.3
75°	118.3	131.5	135.0	135.0	130.8	124.6	118.7	115.9	109.6	104.8	101.3
77.5°	77.6	85.9	91.3	92.6	93.2	91.1	86.2	84.3	79.5	77.8	74.5
80°	54.8	60.4	66.6	68.7	70.4	69.7	67.7	66.3	61.8	60.0	58.7
82.5°	37.9	40.9	46.1	50.6	50.2	52.0	50.2	49.0	45.7	45.0	43.6
85°	19.8	20.2	20.8	23.9	25.7	26.4	26.8	26.0	25.0	25.0	22.6
87.5°	11.6	10.9	11.0	10.3	10.0	10.4	10.6	10.3	10.1	9.9	9.7
90°	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0	7.3	10.6	13.9
92.5°	23.7	21.3	18.9	17.7	17.5	17.3	17.1	16.9	17.1	17.3	17.5
95°	29.0	28.7	28.4	33.3	43.5	53.7	63.8	73.9	63.8	53.7	43.5
97.5°	102.2	135.5	168.9	182.4	176.1	169.7	163.4	157.0	163.4	169.7	176.1
100°	141.6	182.9	224.1	242.0	236.7	231.3	226.0	220.5	226.0	231.3	236.7
102.5°	295.9	301.2	306.6	307.3	303.4	299.4	295.5	291.5	295.5	299.4	303.4
105°	416.6	415.1	413.6	412.0	410.2	408.3	406.5	404.7	406.5	408.3	410.2
107.5°	519.1	517.0	515.0	513.5	512.6	511.8	510.9	509.9	510.9	511.8	512.6
110°	589.4	587.6	585.9	584.5	583.6	582.7	581.8	580.9	581.8	582.7	583.6





TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	659.2	658.3	657.5	656.2	654.6	653.0	651.4	649.8	651.4	653.0	654.6
115°	759.0	759.3	759.6	759.3	758.4	757.5	756.6	755.7	756.6	757.5	758.4
117.5°	858.3	857.6	856.9	856.0	854.8	853.6	852.4	851.2	852.4	853.6	854.8
120°	920.4	920.7	921.0	920.5	919.4	918.2	916.9	915.8	916.9	918.2	919.4
122.5°	980.3	979.9	979.5	978.9	978.1	977.4	976.7	976.0	976.7	977.4	978.1
125°	1066.2	1066.8	1067.4	1067.1	1066.0	1064.7	1063.5	1062.4	1063.5	1064.7	1066.0
127.5°	1148.9	1147.5	1146.1	1145.3	1145.0	1144.7	1144.4	1144.1	1144.4	1144.7	1145.0
130°	1200.4	1199.5	1198.6	1198.0	1197.7	1197.4	1197.1	1196.9	1197.1	1197.4	1197.7
132.5°	1250.4	1249.4	1248.2	1247.4	1246.9	1246.3	1245.7	1245.2	1245.7	1246.3	1246.9
135°	1319.5	1318.3	1317.1	1316.6	1317.0	1317.2	1317.5	1317.9	1317.5	1317.2	1317.0
137.5°	1386.0	1384.6	1383.3	1382.6	1382.5	1382.3	1382.2	1382.2	1382.2	1382.3	1382.5
140°	1428.3	1427.6	1427.1	1426.5	1425.8	1425.3	1424.7	1424.1	1424.7	1425.3	1425.8
142.5°	1467.5	1467.1	1466.8	1466.1	1465.0	1463.9	1462.8	1461.7	1462.8	1463.9	1465.0
145°	1523.6	1523.6	1523.6	1523.1	1522.2	1521.3	1520.5	1519.6	1520.5	1521.3	1522.2
147.5°	1572.4	1572.6	1572.9	1572.3	1570.6	1568.9	1567.2	1565.6	1567.2	1568.9	1570.6
150°	1603.6	1603.8	1604.1	1603.7	1602.5	1601.2	1600.1	1598.9	1600.1	1601.2	1602.5
152.5°	1629.8	1630.3	1630.9	1630.7	1629.7	1628.8	1627.8	1626.8	1627.8	1628.8	1629.7
155°	1665.3	1666.2	1667.1	1667.3	1667.1	1666.7	1666.4	1666.2	1666.4	1666.7	1667.1
157.5°	1695.9	1696.8	1697.9	1698.5	1698.7	1698.9	1699.1	1699.2	1699.1	1698.9	1698.7
160°	1713.8	1714.0	1714.4	1715.0	1715.9	1716.8	1717.7	1718.6	1717.7	1716.8	1715.9
162.5°	1729.9	1730.2	1730.5	1731.3	1732.4	1733.5	1734.6	1735.8	1734.6	1733.5	1732.4
165°	1750.9	1750.9	1750.9	1751.6	1753.1	1754.6	1756.0	1757.6	1756.0	1754.6	1753.1
167.5°	1767.4	1767.5	1767.7	1768.5	1770.1	1771.7	1773.3	1774.8	1773.3	1771.7	1770.1
170°	1777.2	1776.8	1776.6	1777.3	1779.1	1780.8	1782.7	1784.5	1782.7	1780.8	1779.1
172.5°	1783.6	1783.3	1783.0	1783.8	1785.6	1787.3	1789.1	1790.9	1789.1	1787.3	1785.6
175°	1790.6	1790.3	1790.0	1790.7	1792.5	1794.3	1796.1	1797.9	1796.1	1794.3	1792.5
177.5°	1794.8	1794.3	1793.9	1794.5	1796.1	1797.8	1799.5	1801.2	1799.5	1797.8	1796.1
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	845.6	842.8	839.2	835.0	830.0	825.6	823.7	825.3	826.2	823.9	823.7
5°	819.8	811.2	804.2	793.8	785.5	778.6	773.6	771.6	772.3	766.8	765.4
7.5°	790.9	780.6	769.3	756.9	745.4	735.2	729.9	726.9	721.0	718.5	714.3
10°	772.3	758.4	747.3	732.7	719.6	707.4	701.5	696.7	690.8	688.0	682.1
12.5°	753.1	737.1	724.9	709.7	696.2	681.6	676.0	667.0	657.7	651.9	644.4
15°	726.1	706.8	691.8	673.8	657.8	641.1	626.2	609.6	603.3	590.1	582.6
17.5°	694.6	674.8	656.4	632.2	607.6	586.9	571.0	555.1	545.5	537.1	533.2
20°	673.8	655.8	630.1	602.0	574.5	551.6	538.8	528.4	518.0	512.1	507.9
22.5°	654.1	631.1	601.2	570.9	543.5	525.6	514.7	504.0	495.5	489.9	484.4
25°	621.1	590.8	559.3	524.6	505.9	490.3	478.4	469.8	464.6	457.3	454.5
27.5°	587.1	550.5	515.7	492.4	472.9	458.6	448.4	441.8	435.2	430.5	427.0
30°	561.0	523.9	492.7	470.5	450.7	438.9	430.5	422.9	417.8	413.9	411.2
32.5°	535.2	498.1	471.8	448.0	432.4	420.9	412.0	406.3	402.2	397.3	395.6
35°	497.8	464.9	442.0	420.5	404.6	394.1	387.2	381.3	377.8	376.5	375.4
37.5°	462.0	435.0	410.4	392.7	378.5	370.3	362.1	359.3	356.9	354.4	355.5
40°	439.3	413.9	392.1	373.4	361.9	352.8	347.9	344.6	342.4	342.4	342.4
42.5°	419.5	394.8	373.4	356.7	345.2	337.6	332.2	329.2	328.6	328.2	329.9
45°	389.0	366.0	344.6	330.6	320.9	313.3	310.1	307.7	307.7	309.2	309.5
47.5°	358.6	337.2	319.9	304.3	295.4	290.7	287.9	286.7	286.9	288.2	289.8
50°	340.0	318.9	301.8	287.9	279.6	275.1	272.7	272.0	272.7	272.7	275.1
52.5°	319.8	300.8	284.1	272.4	263.0	258.8	257.4	256.5	256.9	258.0	259.0
55°	290.1	273.0	257.1	246.0	239.1	236.3	233.2	233.5	232.8	233.5	233.5
57.5°	260.3	245.0	230.2	221.3	215.3	211.2	207.9	208.7	207.8	207.6	207.1
60°	241.1	224.4	212.7	204.7	197.8	194.3	191.2	191.9	190.8	190.1	188.8
62.5°	220.3	206.4	195.2	187.5	181.9	177.9	174.8	174.1	171.7	169.3	166.2
65°	190.1	178.7	168.6	161.3	156.1	153.0	150.6	148.5	143.3	137.8	135.0
67.5°	160.8	152.5	143.1	137.0	132.8	128.7	124.0	120.5	115.6	112.5	110.8
70°	141.9	133.9	125.9	120.0	115.6	111.7	106.5	104.1	100.6	99.2	97.5
72.5°	123.9	116.5	109.0	103.7	98.9	95.9	91.8	89.3	87.8	87.3	85.5
75°	96.5	90.6	85.0	80.2	76.3	74.3	72.5	70.8	70.1	67.0	65.2
77.5°	70.4	66.4	63.0	59.6	56.8	55.5	52.1	50.1	49.0	47.4	47.1
80°	54.8	52.1	48.6	46.5	42.7	41.3	39.9	39.6	39.2	38.9	38.5
82.5°	41.2	38.4	35.0	33.7	32.7	31.8	31.0	30.7	30.3	30.5	30.5
85°	20.8	19.4	19.4	19.1	18.7	18.4	18.0	18.0	17.7	18.0	17.7
87.5°	10.3	10.7	11.1	11.1	11.9	12.3	12.4	12.8	13.4	13.2	13.4
90°	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2	35.0	36.7	38.0
92.5°	17.7	18.9	21.3	23.7	26.1	28.5	30.3	32.1	33.9	35.7	36.6
95°	33.3	28.4	28.7	29.0	29.2	29.6	31.4	33.2	35.0	36.7	37.8
97.5°	182.4	168.9	135.5	102.2	68.8	35.5	35.7	35.8	36.0	36.2	36.5
100°	242.0	224.1	182.9	141.6	100.4	59.2	54.1	49.0	44.0	38.9	36.5
102.5°	307.3	306.6	301.2	295.9	290.4	285.1	230.2	175.5	120.6	65.9	38.5
105°	412.0	413.6	415.1	416.6	418.0	419.5	422.2	424.9	427.7	430.3	426.2
107.5°	513.5	515.0	517.0	519.1	521.0	523.1	524.4	525.8	527.1	528.3	529.6
110°	584.5	585.9	587.6	589.4	591.2	593.0	593.6	594.2	594.9	595.4	596.2



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	656.2	657.5	658.3	659.2	660.0	660.8	660.7	660.6	660.4	660.3	660.8
115°	759.3	759.6	759.3	759.0	758.8	758.4	759.0	759.6	760.2	760.8	761.2
117.5°	856.0	856.9	857.6	858.3	858.9	859.5	859.4	859.3	859.2	859.1	859.0
120°	920.5	921.0	920.7	920.4	920.1	919.8	920.4	921.0	921.6	922.2	922.2
122.5°	978.9	979.5	979.9	980.3	980.7	981.1	981.5	981.9	982.2	982.6	982.4
125°	1067.1	1067.4	1066.8	1066.2	1065.6	1065.1	1066.0	1066.8	1067.7	1068.6	1069.3
127.5°	1145.3	1146.1	1147.5	1148.9	1150.2	1151.6	1151.5	1151.3	1151.1	1150.9	1150.7
130°	1198.0	1198.6	1199.5	1200.4	1201.3	1202.2	1202.5	1202.8	1203.1	1203.4	1203.5
132.5°	1247.4	1248.2	1249.4	1250.4	1251.6	1252.8	1253.0	1253.4	1253.7	1253.9	1254.0
135°	1316.6	1317.1	1318.3	1319.5	1320.7	1321.9	1322.5	1323.0	1323.7	1324.3	1324.9
137.5°	1382.6	1383.3	1384.6	1386.0	1387.2	1388.6	1389.2	1389.9	1390.5	1391.2	1391.4
140°	1426.5	1427.1	1427.6	1428.3	1428.9	1429.4	1430.4	1431.3	1432.2	1433.1	1433.6
142.5°	1466.1	1466.8	1467.1	1467.5	1467.8	1468.2	1468.8	1469.5	1470.2	1470.8	1471.1
145°	1523.1	1523.6	1523.6	1523.6	1523.6	1523.6	1523.8	1524.2	1524.5	1524.7	1525.3
147.5°	1572.3	1572.9	1572.6	1572.4	1572.0	1571.7	1572.0	1572.2	1572.4	1572.7	1573.0
150°	1603.7	1604.1	1603.8	1603.6	1603.2	1602.9	1602.9	1602.9	1602.9	1602.9	1603.1
152.5°	1630.7	1630.9	1630.3	1629.8	1629.2	1628.7	1629.2	1629.7	1630.1	1630.7	1630.8
155°	1667.3	1667.1	1666.2	1665.3	1664.4	1663.4	1664.6	1665.8	1667.1	1668.2	1668.4
157.5°	1698.5	1697.9	1696.8	1695.9	1694.9	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0
160°	1715.0	1714.4	1714.0	1713.8	1713.5	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4
162.5°	1731.3	1730.5	1730.2	1729.9	1729.7	1729.3	1731.1	1733.0	1734.7	1736.5	1736.3
165°	1751.6	1750.9	1750.9	1750.9	1750.9	1750.9	1753.2	1755.6	1758.0	1760.4	1760.2
167.5°	1768.5	1767.7	1767.5	1767.4	1767.2	1767.0	1769.6	1772.3	1774.9	1777.5	1777.4
170°	1777.3	1776.6	1776.8	1777.2	1777.4	1777.7	1780.1	1782.5	1784.9	1787.3	1787.0
172.5°	1783.8	1783.0	1783.3	1783.6	1783.9	1784.2	1786.5	1789.0	1791.4	1793.8	1793.3
175°	1790.7	1790.0	1790.3	1790.6	1790.9	1791.2	1793.9	1796.5	1799.3	1802.0	1801.5
177.5°	1794.5	1793.9	1794.3	1794.8	1795.3	1795.7	1797.7	1799.6	1801.5	1803.4	1803.0
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	822.0	822.5	820.6	820.0	820.6	822.5	822.0	823.7	823.9	826.2	825.3
5°	762.6	761.9	760.2	760.5	760.2	761.9	762.6	765.4	766.8	772.3	771.6
7.5°	711.8	709.1	709.9	707.0	709.9	709.1	711.8	714.3	718.5	721.0	726.9
10°	680.7	676.9	673.8	671.0	673.8	676.9	680.7	682.1	688.0	690.8	696.7
12.5°	638.3	635.0	630.7	631.6	630.7	635.0	638.3	644.4	651.9	657.7	667.0
15°	578.0	572.8	564.5	565.5	564.5	572.8	578.0	582.6	590.1	603.3	609.6
17.5°	527.0	527.1	523.3	524.1	523.3	527.1	527.0	533.2	537.1	545.5	555.1
20°	500.6	498.2	498.6	497.5	498.6	498.2	500.6	507.9	512.1	518.0	528.4
22.5°	482.3	479.4	476.9	474.7	476.9	479.4	482.3	484.4	489.9	495.5	504.0
25°	451.4	449.3	446.2	445.5	446.2	449.3	451.4	454.5	457.3	464.6	469.8
27.5°	424.2	423.7	422.5	420.9	422.5	423.7	424.2	427.0	430.5	435.2	441.8
30°	408.3	407.7	407.0	405.9	407.0	407.7	408.3	411.2	413.9	417.8	422.9
32.5°	394.2	393.8	393.1	393.2	393.1	393.8	394.2	395.6	397.3	402.2	406.3
35°	374.0	373.6	373.0	372.6	373.0	373.6	374.0	375.4	376.5	377.8	381.3
37.5°	355.2	356.1	355.6	355.5	355.6	356.1	355.2	355.5	354.4	356.9	359.3
40°	342.1	342.4	343.1	342.8	343.1	342.4	342.1	342.4	342.4	342.4	344.6
42.5°	331.3	331.4	332.3	331.1	332.3	331.4	331.3	329.9	328.2	328.6	329.2
45°	311.9	314.0	313.6	313.6	313.6	314.0	311.9	309.5	309.2	307.7	307.7
47.5°	290.7	292.6	293.0	292.9	293.0	292.6	290.7	289.8	288.2	286.9	286.7
50°	276.9	276.2	277.2	276.9	277.2	276.2	276.9	275.1	272.7	272.7	272.0
52.5°	259.9	260.1	260.0	259.7	260.0	260.1	259.9	259.0	258.0	256.9	256.5
55°	233.8	234.2	233.5	233.8	233.5	234.2	233.8	233.5	233.5	232.8	233.5
57.5°	205.5	203.8	204.6	203.8	204.6	203.8	205.5	207.1	207.6	207.8	208.7
60°	185.3	182.5	181.8	180.4	181.8	182.5	185.3	188.8	190.1	190.8	191.9
62.5°	162.5	160.6	158.2	159.3	158.2	160.6	162.5	166.2	169.3	171.7	174.1
65°	132.2	130.8	129.7	131.2	129.7	130.8	132.2	135.0	137.8	143.3	148.5
67.5°	109.4	108.7	108.7	108.0	108.7	108.7	109.4	110.8	112.5	115.6	120.5
70°	97.5	96.5	96.5	95.8	96.5	96.5	97.5	97.5	99.2	100.6	104.1
72.5°	85.2	84.3	84.5	84.1	84.5	84.3	85.2	85.5	87.3	87.8	89.3
75°	63.1	61.4	61.4	61.8	61.4	61.4	63.1	65.2	67.0	70.1	70.8
77.5°	47.1	46.7	47.3	46.6	47.3	46.7	47.1	47.1	47.4	49.0	50.1
80°	38.5	38.2	37.8	38.9	37.8	38.2	38.5	38.5	38.9	39.2	39.6
82.5°	29.9	29.9	29.8	31.1	29.8	29.9	29.9	30.5	30.5	30.3	30.7
85°	18.0	17.4	18.0	17.4	18.0	17.4	18.0	17.7	18.0	17.7	18.0
87.5°	14.1	13.9	13.8	14.2	13.8	13.9	14.1	13.4	13.2	13.4	12.8
90°	38.5	39.1	39.8	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2
92.5°	36.7	36.9	37.0	37.1	37.0	36.9	36.7	36.6	35.7	33.9	32.1
95°	38.1	38.4	38.7	39.0	38.7	38.4	38.1	37.8	36.7	35.0	33.2
97.5°	36.7	37.1	37.4	37.6	37.4	37.1	36.7	36.5	36.2	36.0	35.8
100°	36.7	37.1	37.4	37.6	37.4	37.1	36.7	36.5	38.9	44.0	49.0
102.5°	38.5	38.6	38.7	38.7	38.7	38.6	38.5	38.5	65.9	120.6	175.5
105°	415.5	404.7	394.0	383.3	394.0	404.7	415.5	426.2	430.3	427.7	424.9
107.5°	530.7	531.8	533.0	534.1	533.0	531.8	530.7	529.6	528.3	527.1	525.8
110°	597.1	598.0	598.9	599.8	598.9	598.0	597.1	596.2	595.4	594.9	594.2



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	662.0	663.1	664.2	665.4	664.2	663.1	662.0	660.8	660.3	660.4	660.6
115°	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	760.8	760.2	759.6
117.5°	858.8	858.7	858.6	858.4	858.6	858.7	858.8	859.0	859.1	859.2	859.3
120°	921.6	921.0	920.4	919.8	920.4	921.0	921.6	922.2	922.2	921.6	921.0
122.5°	981.9	981.2	980.6	980.1	980.6	981.2	981.9	982.4	982.6	982.2	981.9
125°	1069.5	1069.8	1070.1	1070.4	1070.1	1069.8	1069.5	1069.3	1068.6	1067.7	1066.8
127.5°	1150.5	1150.2	1150.0	1149.8	1150.0	1150.2	1150.5	1150.7	1150.9	1151.1	1151.3
130°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.4	1203.1	1202.8
132.5°	1253.7	1253.5	1253.3	1253.0	1253.3	1253.5	1253.7	1254.0	1253.9	1253.7	1253.4
135°	1325.4	1326.1	1326.7	1327.2	1326.7	1326.1	1325.4	1324.9	1324.3	1323.7	1323.0
137.5°	1391.2	1391.1	1390.9	1390.7	1390.9	1391.1	1391.2	1391.4	1391.2	1390.5	1389.9
140°	1434.0	1434.2	1434.5	1434.9	1434.5	1434.2	1434.0	1433.6	1433.1	1432.2	1431.3
142.5°	1471.2	1471.3	1471.3	1471.4	1471.3	1471.3	1471.2	1471.1	1470.8	1470.2	1469.5
145°	1525.8	1526.4	1527.1	1527.6	1527.1	1526.4	1525.8	1525.3	1524.7	1524.5	1524.2
147.5°	1573.2	1573.5	1573.9	1574.1	1573.9	1573.5	1573.2	1573.0	1572.7	1572.4	1572.2
150°	1603.4	1603.7	1604.0	1604.3	1604.0	1603.7	1603.4	1603.1	1602.9	1602.9	1602.9
152.5°	1630.6	1630.4	1630.2	1630.0	1630.2	1630.4	1630.6	1630.8	1630.7	1630.1	1629.7
155°	1667.5	1666.6	1665.7	1664.8	1665.7	1666.6	1667.5	1668.4	1668.2	1667.1	1665.8
157.5°	1698.5	1696.9	1695.4	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0	1698.5	1696.9
160°	1718.6	1716.8	1715.0	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4	1718.6	1716.8
162.5°	1734.4	1732.3	1730.3	1728.2	1730.3	1732.3	1734.4	1736.3	1736.5	1734.7	1733.0
165°	1757.6	1754.9	1752.2	1749.5	1752.2	1754.9	1757.6	1760.2	1760.4	1758.0	1755.6
167.5°	1774.3	1771.4	1768.4	1765.4	1768.4	1771.4	1774.3	1777.4	1777.5	1774.9	1772.3
170°	1784.0	1781.0	1778.1	1775.0	1778.1	1781.0	1784.0	1787.0	1787.3	1784.9	1782.5
172.5°	1790.1	1786.9	1783.7	1780.4	1783.7	1786.9	1790.1	1793.3	1793.8	1791.4	1789.0
175°	1797.9	1794.3	1790.7	1787.2	1790.7	1794.3	1797.9	1801.5	1802.0	1799.3	1796.5
177.5°	1800.1	1797.2	1794.3	1791.4	1794.3	1797.2	1800.1	1803.0	1803.4	1801.5	1799.6
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	823.7	825.6	830.0	835.0	839.2	842.8	845.6	849.4	853.1	858.1	862.8
5°	773.6	778.6	785.5	793.8	804.2	811.2	819.8	827.5	838.6	849.7	860.4
7.5°	729.9	735.2	745.4	756.9	769.3	780.6	790.9	804.3	819.0	835.3	853.3
10°	701.5	707.4	719.6	732.7	747.3	758.4	772.3	788.3	804.9	824.7	846.9
12.5°	676.0	681.6	696.2	709.7	724.9	737.1	753.1	769.4	791.6	813.1	838.3
15°	626.2	641.1	657.8	673.8	691.8	706.8	726.1	742.8	764.0	794.2	823.0
17.5°	571.0	586.9	607.6	632.2	656.4	674.8	694.6	715.2	740.5	771.2	804.5
20°	538.8	551.6	574.5	602.0	630.1	655.8	673.8	696.7	722.7	756.0	790.3
22.5°	514.7	525.6	543.5	570.9	601.2	631.1	654.1	676.7	705.5	738.8	776.2
25°	478.4	490.3	505.9	524.6	559.3	590.8	621.1	647.0	677.6	710.9	752.5
27.5°	448.4	458.6	472.9	492.4	515.7	550.5	587.1	616.8	648.1	683.9	725.5
30°	430.5	438.9	450.7	470.5	492.7	523.9	561.0	595.8	627.3	664.4	707.8
32.5°	412.0	420.9	432.4	448.0	471.8	498.1	535.2	573.2	606.7	644.7	687.2
35°	387.2	394.1	404.6	420.5	442.0	464.9	497.8	537.1	572.5	613.1	653.6
37.5°	362.1	370.3	378.5	392.7	410.4	435.0	462.0	502.0	541.3	578.3	618.0
40°	347.9	352.8	361.9	373.4	392.1	413.9	439.3	478.4	517.6	554.5	594.3
42.5°	332.2	337.6	345.2	356.7	373.4	394.8	419.5	453.4	494.4	530.0	566.3
45°	310.1	313.3	320.9	330.6	344.6	366.0	389.0	419.1	457.6	491.6	523.5
47.5°	287.9	290.7	295.4	304.3	319.9	337.2	358.6	385.7	419.5	453.4	480.5
50°	272.7	275.1	279.6	287.9	301.8	318.9	340.0	364.3	394.5	427.1	449.6
52.5°	257.4	258.8	263.0	272.4	284.1	300.8	319.8	342.1	370.3	397.4	420.3
55°	233.2	236.3	239.1	246.0	257.1	273.0	290.1	311.2	333.1	356.0	375.4
57.5°	207.9	211.2	215.3	221.3	230.2	245.0	260.3	277.4	296.0	315.1	331.4
60°	191.2	194.3	197.8	204.7	212.7	224.4	241.1	256.0	270.3	287.6	303.9
62.5°	174.8	177.9	181.9	187.5	195.2	206.4	220.3	233.3	248.1	263.2	275.4
65°	150.6	153.0	156.1	161.3	168.6	178.7	190.1	200.2	213.4	224.4	235.6
67.5°	124.0	128.7	132.8	137.0	143.1	152.5	160.8	170.4	179.4	187.6	197.8
70°	106.5	111.7	115.6	120.0	125.9	133.9	141.9	148.5	155.8	163.7	172.8
72.5°	91.8	95.9	98.9	103.7	109.0	116.5	123.9	129.3	135.3	140.7	149.5
75°	72.5	74.3	76.3	80.2	85.0	90.6	96.5	101.3	104.8	109.6	115.9
77.5°	52.1	55.5	56.8	59.6	63.0	66.4	70.4	74.5	77.8	79.5	84.3
80°	39.9	41.3	42.7	46.5	48.6	52.1	54.8	58.7	60.0	61.8	66.3
82.5°	31.0	31.8	32.7	33.7	35.0	38.4	41.2	43.6	45.0	45.7	49.0
85°	18.0	18.4	18.7	19.1	19.4	19.4	20.8	22.6	25.0	25.0	26.0
87.5°	12.4	12.3	11.9	11.1	11.1	10.7	10.3	9.7	9.9	10.1	10.3
90°	31.4	29.6	27.2	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0
92.5°	30.3	28.5	26.1	23.7	21.3	18.9	17.7	17.5	17.3	17.1	16.9
95°	31.4	29.6	29.2	29.0	28.7	28.4	33.3	43.5	53.7	63.8	73.9
97.5°	35.7	35.5	68.8	102.2	135.5	168.9	182.4	176.1	169.7	163.4	157.0
100°	54.1	59.2	100.4	141.6	182.9	224.1	242.0	236.7	231.3	226.0	220.5
102.5°	230.2	285.1	290.4	295.9	301.2	306.6	307.3	303.4	299.4	295.5	291.5
105°	422.2	419.5	418.0	416.6	415.1	413.6	412.0	410.2	408.3	406.5	404.7
107.5°	524.4	523.1	521.0	519.1	517.0	515.0	513.5	512.6	511.8	510.9	509.9
110°	593.6	593.0	591.2	589.4	587.6	585.9	584.5	583.6	582.7	581.8	580.9



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	660.7	660.8	660.0	659.2	658.3	657.5	656.2	654.6	653.0	651.4	649.8
115°	759.0	758.4	758.8	759.0	759.3	759.6	759.3	758.4	757.5	756.6	755.7
117.5°	859.4	859.5	858.9	858.3	857.6	856.9	856.0	854.8	853.6	852.4	851.2
120°	920.4	919.8	920.1	920.4	920.7	921.0	920.5	919.4	918.2	916.9	915.8
122.5°	981.5	981.1	980.7	980.3	979.9	979.5	978.9	978.1	977.4	976.7	976.0
125°	1066.0	1065.1	1065.6	1066.2	1066.8	1067.4	1067.1	1066.0	1064.7	1063.5	1062.4
127.5°	1151.5	1151.6	1150.2	1148.9	1147.5	1146.1	1145.3	1145.0	1144.7	1144.4	1144.1
130°	1202.5	1202.2	1201.3	1200.4	1199.5	1198.6	1198.0	1197.7	1197.4	1197.1	1196.9
132.5°	1253.0	1252.8	1251.6	1250.4	1249.4	1248.2	1247.4	1246.9	1246.3	1245.7	1245.2
135°	1322.5	1321.9	1320.7	1319.5	1318.3	1317.1	1316.6	1317.0	1317.2	1317.5	1317.9
137.5°	1389.2	1388.6	1387.2	1386.0	1384.6	1383.3	1382.6	1382.5	1382.3	1382.2	1382.2
140°	1430.4	1429.4	1428.9	1428.3	1427.6	1427.1	1426.5	1425.8	1425.3	1424.7	1424.1
142.5°	1468.8	1468.2	1467.8	1467.5	1467.1	1466.8	1466.1	1465.0	1463.9	1462.8	1461.7
145°	1523.8	1523.6	1523.6	1523.6	1523.6	1523.6	1523.1	1522.2	1521.3	1520.5	1519.6
147.5°	1572.0	1571.7	1572.0	1572.4	1572.6	1572.9	1572.3	1570.6	1568.9	1567.2	1565.6
150°	1602.9	1602.9	1603.2	1603.6	1603.8	1604.1	1603.7	1602.5	1601.2	1600.1	1598.9
152.5°	1629.2	1628.7	1629.2	1629.8	1630.3	1630.9	1630.7	1629.7	1628.8	1627.8	1626.8
155°	1664.6	1663.4	1664.4	1665.3	1666.2	1667.1	1667.3	1667.1	1666.7	1666.4	1666.2
157.5°	1695.4	1693.8	1694.9	1695.9	1696.8	1697.9	1698.5	1698.7	1698.9	1699.1	1699.2
160°	1715.0	1713.2	1713.5	1713.8	1714.0	1714.4	1715.0	1715.9	1716.8	1717.7	1718.6
162.5°	1731.1	1729.3	1729.7	1729.9	1730.2	1730.5	1731.3	1732.4	1733.5	1734.6	1735.8
165°	1753.2	1750.9	1750.9	1750.9	1750.9	1750.9	1751.6	1753.1	1754.6	1756.0	1757.6
167.5°	1769.6	1767.0	1767.2	1767.4	1767.5	1767.7	1768.5	1770.1	1771.7	1773.3	1774.8
170°	1780.1	1777.7	1777.4	1777.2	1776.8	1776.6	1777.3	1779.1	1780.8	1782.7	1784.5
172.5°	1786.5	1784.2	1783.9	1783.6	1783.3	1783.0	1783.8	1785.6	1787.3	1789.1	1790.9
175°	1793.9	1791.2	1790.9	1790.6	1790.3	1790.0	1790.7	1792.5	1794.3	1796.1	1797.9
177.5°	1797.7	1795.7	1795.3	1794.8	1794.3	1793.9	1794.5	1796.1	1797.8	1799.5	1801.2
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	866.4	868.9	871.6	876.9	881.4	883.3	887.3	890.0	889.1	893.0	899.7
5°	869.8	879.1	889.9	901.0	913.5	923.9	932.3	940.6	947.2	955.1	967.0
7.5°	869.2	885.9	904.0	923.9	944.4	962.1	978.5	995.1	1009.9	1026.1	1047.2
10°	867.0	889.2	911.8	937.8	963.9	988.5	1010.7	1031.4	1051.2	1072.4	1099.1
12.5°	864.5	890.0	917.3	948.6	981.1	1010.7	1036.8	1066.8	1091.5	1118.7	1149.7
15°	853.5	887.9	925.0	965.5	1004.4	1044.3	1080.0	1116.9	1151.2	1183.7	1222.6
17.5°	840.9	880.5	924.3	972.2	1019.0	1067.4	1109.8	1156.2	1191.2	1235.0	1271.1
20°	830.6	873.3	920.1	973.8	1027.0	1080.8	1127.6	1174.7	1214.3	1258.4	1304.2
22.5°	818.1	865.0	915.7	971.3	1027.0	1085.7	1137.6	1184.5	1233.5	1283.1	1330.3
25°	798.0	846.6	900.4	961.4	1025.2	1085.2	1140.8	1199.1	1251.8	1305.6	1347.9
27.5°	773.3	824.3	881.0	944.0	1009.5	1070.9	1136.3	1198.5	1251.5	1303.2	1340.2
30°	753.6	807.4	861.8	925.7	993.6	1059.6	1129.6	1191.8	1247.6	1294.1	1314.9
32.5°	733.3	784.3	840.4	905.1	974.8	1045.7	1115.3	1178.8	1230.4	1258.3	1258.8
35°	698.0	745.9	804.2	867.7	939.1	1016.2	1086.6	1149.1	1180.6	1183.1	1149.1
37.5°	659.6	703.6	758.6	822.2	900.4	977.0	1048.9	1090.6	1101.2	1065.9	1003.0
40°	632.1	672.7	725.9	791.0	868.8	947.9	1013.4	1043.9	1032.9	975.6	905.5
42.5°	603.2	641.1	692.2	756.6	834.6	914.5	970.4	986.8	957.3	891.3	809.2
45°	556.2	590.8	641.5	706.4	781.3	856.3	898.6	890.3	841.3	762.9	671.0
47.5°	507.1	540.6	586.2	646.2	723.0	787.6	816.3	791.2	721.6	635.3	560.5
50°	474.7	509.0	551.0	608.2	678.3	740.7	759.1	720.9	643.5	560.7	492.0
52.5°	442.7	472.1	513.2	568.5	635.5	688.3	698.0	654.1	574.2	499.9	439.0
55°	394.1	420.9	455.6	507.6	565.5	610.3	605.1	548.5	476.0	412.5	364.6
57.5°	347.1	367.3	399.3	448.1	499.0	529.1	510.0	461.8	394.2	342.2	301.8
60°	316.1	334.8	364.6	407.3	452.1	469.0	453.1	400.7	347.3	299.8	265.7
62.5°	286.7	303.2	328.9	368.5	404.6	414.6	397.6	351.9	303.7	263.1	235.0
65°	243.9	259.1	281.1	309.2	334.1	338.9	327.9	281.1	244.6	210.6	191.2
67.5°	205.1	215.1	232.2	256.5	269.7	272.6	251.1	221.7	189.6	168.7	154.1
70°	179.1	185.9	201.9	215.1	225.9	226.2	206.4	182.8	158.2	141.2	130.5
72.5°	153.7	160.4	172.5	181.6	189.8	187.1	169.0	150.3	130.5	117.6	109.6
75°	118.7	124.6	130.8	135.0	135.0	131.5	118.3	104.4	93.0	85.3	82.9
77.5°	86.2	91.1	93.2	92.6	91.3	85.9	77.6	68.5	64.4	60.8	58.9
80°	67.7	69.7	70.4	68.7	66.6	60.4	54.8	51.0	47.2	45.8	45.1
82.5°	50.2	52.0	50.2	50.6	46.1	40.9	37.9	36.6	35.0	34.4	33.7
85°	26.8	26.4	25.7	23.9	20.8	20.2	19.8	19.4	18.7	19.1	18.4
87.5°	10.6	10.4	10.0	10.3	11.0	10.9	11.6	12.1	12.6	12.7	13.6
90°	7.3	10.6	13.9	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2
92.5°	17.1	17.3	17.5	17.7	18.9	21.3	23.7	26.1	28.5	30.3	32.1
95°	63.8	53.7	43.5	33.3	28.4	28.7	29.0	29.2	29.6	31.4	33.2
97.5°	163.4	169.7	176.1	182.4	168.9	135.5	102.2	68.8	35.5	35.7	35.8
100°	226.0	231.3	236.7	242.0	224.1	182.9	141.6	100.4	59.2	54.1	49.0
102.5°	295.5	299.4	303.4	307.3	306.6	301.2	295.9	290.4	285.1	230.2	175.5
105°	406.5	408.3	410.2	412.0	413.6	415.1	416.6	418.0	419.5	422.2	424.9
107.5°	510.9	511.8	512.6	513.5	515.0	517.0	519.1	521.0	523.1	524.4	525.8
110°	581.8	582.7	583.6	584.5	585.9	587.6	589.4	591.2	593.0	593.6	594.2





TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	651.4	653.0	654.6	656.2	657.5	658.3	659.2	660.0	660.8	660.7	660.6
115°	756.6	757.5	758.4	759.3	759.6	759.3	759.0	758.8	758.4	759.0	759.6
117.5°	852.4	853.6	854.8	856.0	856.9	857.6	858.3	858.9	859.5	859.4	859.3
120°	916.9	918.2	919.4	920.5	921.0	920.7	920.4	920.1	919.8	920.4	921.0
122.5°	976.7	977.4	978.1	978.9	979.5	979.9	980.3	980.7	981.1	981.5	981.9
125°	1063.5	1064.7	1066.0	1067.1	1067.4	1066.8	1066.2	1065.6	1065.1	1066.0	1066.8
127.5°	1144.4	1144.7	1145.0	1145.3	1146.1	1147.5	1148.9	1150.2	1151.6	1151.5	1151.3
130°	1197.1	1197.4	1197.7	1198.0	1198.6	1199.5	1200.4	1201.3	1202.2	1202.5	1202.8
132.5°	1245.7	1246.3	1246.9	1247.4	1248.2	1249.4	1250.4	1251.6	1252.8	1253.0	1253.4
135°	1317.5	1317.2	1317.0	1316.6	1317.1	1318.3	1319.5	1320.7	1321.9	1322.5	1323.0
137.5°	1382.2	1382.3	1382.5	1382.6	1383.3	1384.6	1386.0	1387.2	1388.6	1389.2	1389.9
140°	1424.7	1425.3	1425.8	1426.5	1427.1	1427.6	1428.3	1428.9	1429.4	1430.4	1431.3
142.5°	1462.8	1463.9	1465.0	1466.1	1466.8	1467.1	1467.5	1467.8	1468.2	1468.8	1469.5
145°	1520.5	1521.3	1522.2	1523.1	1523.6	1523.6	1523.6	1523.6	1523.6	1523.8	1524.2
147.5°	1567.2	1568.9	1570.6	1572.3	1572.9	1572.6	1572.4	1572.0	1571.7	1572.0	1572.2
150°	1600.1	1601.2	1602.5	1603.7	1604.1	1603.8	1603.6	1603.2	1602.9	1602.9	1602.9
152.5°	1627.8	1628.8	1629.7	1630.7	1630.9	1630.3	1629.8	1629.2	1628.7	1629.2	1629.7
155°	1666.4	1666.7	1667.1	1667.3	1667.1	1666.2	1665.3	1664.4	1663.4	1664.6	1665.8
157.5°	1699.1	1698.9	1698.7	1698.5	1697.9	1696.8	1695.9	1694.9	1693.8	1695.4	1696.9
160°	1717.7	1716.8	1715.9	1715.0	1714.4	1714.0	1713.8	1713.5	1713.2	1715.0	1716.8
162.5°	1734.6	1733.5	1732.4	1731.3	1730.5	1730.2	1729.9	1729.7	1729.3	1731.1	1733.0
165°	1756.0	1754.6	1753.1	1751.6	1750.9	1750.9	1750.9	1750.9	1750.9	1753.2	1755.6
167.5°	1773.3	1771.7	1770.1	1768.5	1767.7	1767.5	1767.4	1767.2	1767.0	1769.6	1772.3
170°	1782.7	1780.8	1779.1	1777.3	1776.6	1776.8	1777.2	1777.4	1777.7	1780.1	1782.5
172.5°	1789.1	1787.3	1785.6	1783.8	1783.0	1783.3	1783.6	1783.9	1784.2	1786.5	1789.0
175°	1796.1	1794.3	1792.5	1790.7	1790.0	1790.3	1790.6	1790.9	1791.2	1793.9	1796.5
177.5°	1799.5	1797.8	1796.1	1794.5	1793.9	1794.3	1794.8	1795.3	1795.7	1797.7	1799.6
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	903.3	904.5	905.3	908.0	908.3	910.8	908.3
5°	978.0	982.9	990.5	998.2	998.9	1003.7	995.1
7.5°	1061.8	1073.1	1080.1	1092.4	1097.3	1100.4	1095.4
10°	1119.6	1130.0	1148.4	1157.4	1166.4	1167.8	1163.7
12.5°	1175.4	1191.9	1206.4	1223.5	1223.1	1235.3	1230.8
15°	1249.7	1266.7	1286.8	1305.9	1312.9	1312.9	1318.4
17.5°	1302.7	1333.9	1354.7	1369.7	1386.1	1388.9	1387.0
20°	1338.5	1372.2	1394.4	1413.8	1425.0	1428.1	1428.1
22.5°	1365.2	1393.8	1415.5	1433.0	1442.2	1445.8	1444.7
25°	1383.7	1408.3	1421.5	1426.6	1429.1	1428.3	1421.8
27.5°	1358.3	1357.3	1348.9	1332.9	1321.0	1313.7	1305.4
30°	1310.1	1292.0	1271.2	1248.3	1218.8	1196.2	1189.4
32.5°	1238.2	1197.7	1162.4	1124.3	1092.5	1070.0	1060.5
35°	1099.1	1034.9	982.6	936.7	903.5	882.6	875.7
37.5°	934.2	872.0	807.2	762.8	735.1	714.1	706.2
40°	829.2	761.5	705.0	663.3	634.9	614.5	614.1
42.5°	733.4	668.9	615.6	585.7	555.0	541.4	541.4
45°	600.6	548.8	503.7	480.2	461.8	450.7	447.5
47.5°	497.2	454.5	424.5	405.6	390.7	383.6	379.0
50°	439.3	401.8	377.8	361.5	353.2	344.2	343.5
52.5°	390.9	360.7	342.1	328.8	318.3	312.8	313.0
55°	328.6	304.6	291.4	281.3	273.0	268.9	267.2
57.5°	276.8	258.9	249.2	240.0	236.5	233.2	232.3
60°	244.6	232.5	223.5	216.2	211.0	209.9	209.6
62.5°	217.9	205.3	199.0	193.4	189.6	188.0	187.3
65°	179.7	170.3	164.8	160.3	158.9	156.5	156.1
67.5°	144.9	139.3	135.6	132.5	130.5	130.5	130.5
70°	123.5	120.4	117.3	115.6	114.5	113.8	113.8
72.5°	105.2	102.9	100.3	99.4	99.2	98.5	98.3
75°	80.2	77.8	78.0	76.3	74.9	73.2	72.1
77.5°	56.8	55.1	54.8	54.6	53.3	53.1	53.7
80°	44.1	42.4	42.0	42.4	42.0	40.9	40.9
82.5°	33.5	32.1	31.7	31.5	31.1	31.5	30.9
85°	18.0	17.4	17.4	17.4	18.0	17.7	17.4
87.5°	13.4	13.5	14.0	13.8	13.9	13.8	14.2
90°	35.0	36.7	38.0	38.5	39.1	39.8	40.3
92.5°	33.9	35.7	36.6	36.7	36.9	37.0	37.1
95°	35.0	36.7	37.8	38.1	38.4	38.7	39.0
97.5°	36.0	36.2	36.5	36.7	37.1	37.4	37.6
100°	44.0	38.9	36.5	36.7	37.1	37.4	37.6
102.5°	120.6	65.9	38.5	38.5	38.6	38.7	38.7
105°	427.7	430.3	426.2	415.5	404.7	394.0	383.3
107.5°	527.1	528.3	529.6	530.7	531.8	533.0	534.1
110°	594.9	595.4	596.2	597.1	598.0	598.9	599.8



TEST NUMBER: P333051-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	660.4	660.3	660.8	662.0	663.1	664.2	665.4
115°	760.2	760.8	761.2	761.2	761.2	761.2	761.2
117.5°	859.2	859.1	859.0	858.8	858.7	858.6	858.4
120°	921.6	922.2	922.2	921.6	921.0	920.4	919.8
122.5°	982.2	982.6	982.4	981.9	981.2	980.6	980.1
125°	1067.7	1068.6	1069.3	1069.5	1069.8	1070.1	1070.4
127.5°	1151.1	1150.9	1150.7	1150.5	1150.2	1150.0	1149.8
130°	1203.1	1203.4	1203.5	1203.5	1203.5	1203.5	1203.5
132.5°	1253.7	1253.9	1254.0	1253.7	1253.5	1253.3	1253.0
135°	1323.7	1324.3	1324.9	1325.4	1326.1	1326.7	1327.2
137.5°	1390.5	1391.2	1391.4	1391.2	1391.1	1390.9	1390.7
140°	1432.2	1433.1	1433.6	1434.0	1434.2	1434.5	1434.9
142.5°	1470.2	1470.8	1471.1	1471.2	1471.3	1471.3	1471.4
145°	1524.5	1524.7	1525.3	1525.8	1526.4	1527.1	1527.6
147.5°	1572.4	1572.7	1573.0	1573.2	1573.5	1573.9	1574.1
150°	1602.9	1602.9	1603.1	1603.4	1603.7	1604.0	1604.3
152.5°	1630.1	1630.7	1630.8	1630.6	1630.4	1630.2	1630.0
155°	1667.1	1668.2	1668.4	1667.5	1666.6	1665.7	1664.8
157.5°	1698.5	1700.0	1700.0	1698.5	1696.9	1695.4	1693.8
160°	1718.6	1720.4	1720.4	1718.6	1716.8	1715.0	1713.2
162.5°	1734.7	1736.5	1736.3	1734.4	1732.3	1730.3	1728.2
165°	1758.0	1760.4	1760.2	1757.6	1754.9	1752.2	1749.5
167.5°	1774.9	1777.5	1777.4	1774.3	1771.4	1768.4	1765.4
170°	1784.9	1787.3	1787.0	1784.0	1781.0	1778.1	1775.0
172.5°	1791.4	1793.8	1793.3	1790.1	1786.9	1783.7	1780.4
175°	1799.3	1802.0	1801.5	1797.9	1794.3	1790.7	1787.2
177.5°	1801.5	1803.4	1803.0	1800.1	1797.2	1794.3	1791.4
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9

(END OF REPORT)