

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: P333044-930

Luminaire Tested: **S124RDIW-S575D1050U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333044-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S575D1050U930-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

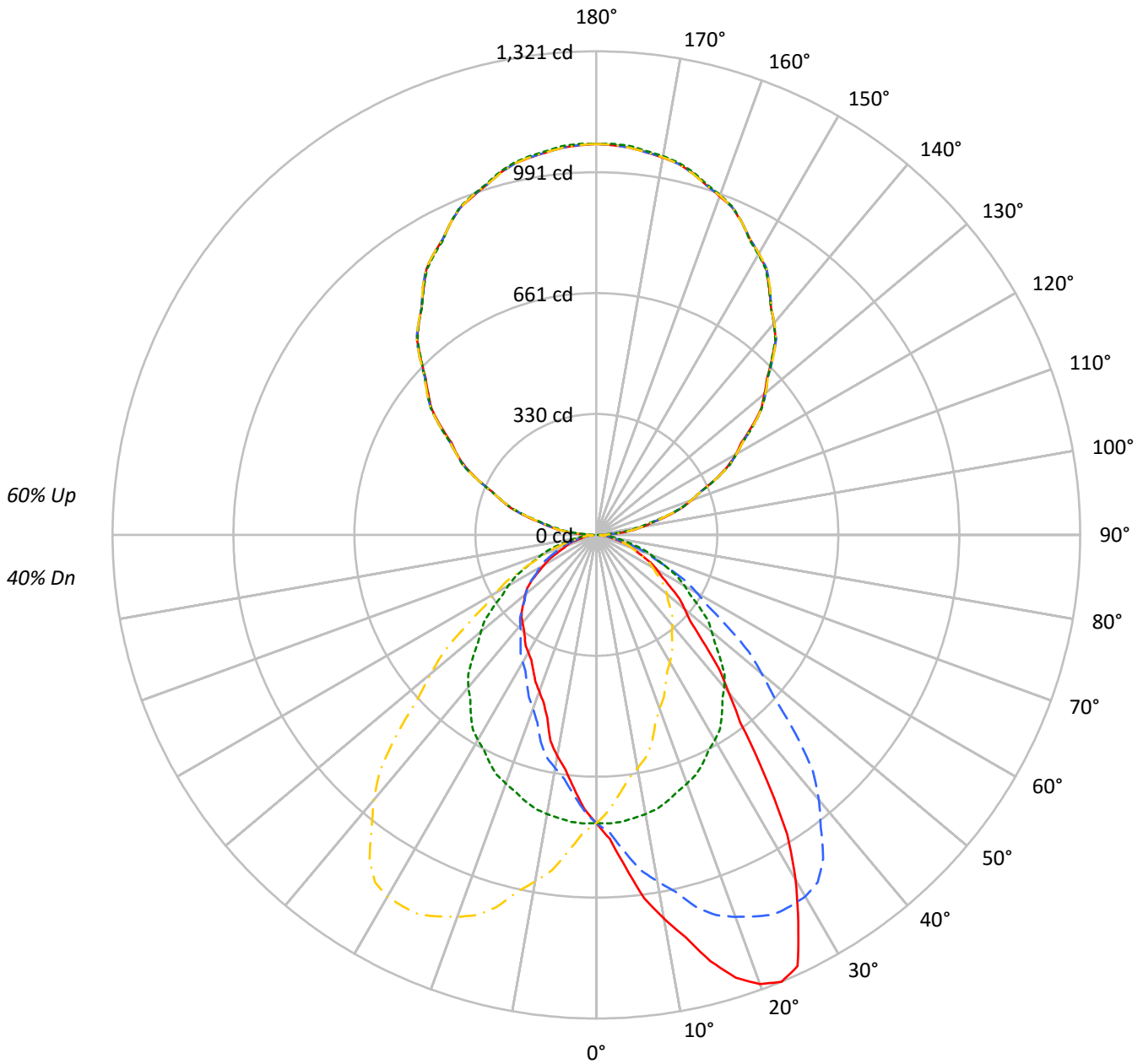
Lumens per Lamp: N/A  
Luminaire Lumens: 4956.3 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (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: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot



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



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

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

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	105	105	105	105	95	95	95	95	78	78	78		62	62	62		47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65		55	54	52		42	41	41	35
2	88	81	75	70	80	74	69	64	61	57	54		49	46	44		38	36	35	30
3	80	71	64	59	73	65	59	54	54	49	46		43	40	38		34	32	30	25
4	73	63	56	50	67	58	51	46	48	43	39		39	35	33		30	28	26	22
5	67	56	48	43	61	52	45	40	43	38	34		35	31	28		27	25	23	19
6	62	51	43	37	57	46	40	35	39	34	30		32	28	25		25	22	20	17
7	57	46	38	33	52	42	35	30	35	30	26		29	25	22		23	20	18	15
8	53	41	34	29	49	38	32	27	32	27	23		26	23	20		21	18	16	14
9	50	38	31	26	45	35	28	24	29	24	21		24	20	18		19	17	15	12
10	46	35	28	23	42	32	26	22	27	22	19		22	19	16		18	15	13	11

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

	0°	90°	180°	270°
0°	6356	6356	6356	6356
5°	7373	6375	5635	6375
10°	8722	6347	5029	6347
15°	10074	6288	4322	6288
20°	11217	6208	3908	6208
25°	11580	6128	3628	6128
30°	10137	6032	3459	6032
35°	7890	5889	3358	5889
40°	5917	5727	3303	5727
45°	4672	5465	3273	5465
50°	3945	5163	3180	5163
55°	3438	4830	3009	4830
60°	3094	4487	2662	4487
65°	2728	4115	2290	4115
70°	2455	3729	2068	3729
75°	2059	3306	1762	3306
80°	1739	2817	1650	2817
85°	1473	2205	1473	2205



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.3	1.5
10°-20°	230.1	4.6
20°-30°	359.9	7.3
30°-40°	400.1	8.1
40°-50°	355.0	7.2
50°-60°	276.6	5.6
60°-70°	181.1	3.7
70°-80°	89.1	1.8
80°-90°	25.2	0.5
90°-100°	70.4	1.4
100°-110°	208.7	4.2
110°-120°	354.2	7.1
120°-130°	467.0	9.4
130°-140°	524.5	10.6
140°-150°	515.4	10.4
150°-160°	433.5	8.7
160°-170°	288.4	5.8
170°-180°	101.0	2.0
0°-30°	666.3	13.4
0°-40°	1066.4	21.5
0°-60°	1698.1	34.3
0°-90°	1993.4	40.2
90°-120°	633.2	12.8
90°-150°	2140.1	43.2
90°-180°	2963.0	59.8
0°-180°	4956.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	787	787	787	787	787	
5°	910	787	695	787	910	92
15°	1205	752	517	752	1205	343
25°	1300	688	407	688	1300	577
35°	801	598	341	598	801	502
45°	409	479	287	479	409	324
55°	244	343	214	343	244	222
65°	143	215	120	215	143	144
75°	66	106	56	106	66	73
85°	16	24	16	24	16	19
90°	25	2	25	2	25	13
95°	65	50	65	50	65	68
105°	202	192	202	192	202	212
115°	357	360	357	360	357	353
125°	520	524	520	524	520	464
135°	677	676	677	676	677	523
145°	823	822	823	822	823	515
155°	941	942	941	942	941	433
165°	1022	1025	1022	1025	1022	288
175°	1061	1066	1061	1066	1061	101
180°	1068	1068	1068	1068	1068	



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	830.5	832.7	830.5	830.2	827.7	827.0	825.9	822.6	816.5	812.9	813.8
5°	909.8	917.7	913.3	912.6	905.6	898.7	894.2	884.1	873.3	866.0	860.0
7.5°	1001.5	1006.1	1003.3	998.8	987.6	981.1	970.9	957.5	938.2	923.3	909.9
10°	1064.0	1067.7	1066.5	1058.3	1050.0	1033.1	1023.7	1004.9	980.5	961.2	943.1
12.5°	1125.4	1129.4	1118.3	1118.7	1103.0	1089.7	1074.6	1051.2	1022.9	997.9	975.3
15°	1205.4	1200.4	1200.4	1194.0	1176.6	1158.1	1142.6	1117.9	1082.3	1052.6	1021.2
17.5°	1268.1	1269.9	1267.3	1252.3	1238.6	1219.6	1191.1	1162.2	1129.2	1089.2	1057.1
20°	1305.7	1305.7	1302.8	1292.7	1274.9	1254.6	1223.8	1192.5	1150.6	1110.3	1074.1
22.5°	1320.9	1321.9	1318.6	1310.2	1294.2	1274.4	1248.2	1216.3	1173.1	1127.8	1083.0
25°	1300.0	1305.9	1306.6	1304.4	1299.7	1287.6	1265.1	1232.4	1193.7	1144.5	1096.3
27.5°	1193.5	1201.1	1207.8	1218.7	1233.3	1241.0	1241.9	1225.3	1191.6	1144.3	1095.8
30°	1087.4	1093.7	1114.4	1141.3	1162.3	1181.3	1197.8	1202.2	1183.2	1140.7	1089.6
32.5°	969.6	978.3	998.9	1027.9	1062.8	1095.0	1132.1	1151.0	1150.5	1124.9	1077.7
35°	800.6	807.0	826.1	856.5	898.4	946.2	1004.9	1050.6	1081.7	1079.5	1050.6
37.5°	645.7	652.9	672.1	697.4	738.0	797.3	854.1	917.0	974.5	1006.8	997.1
40°	561.5	561.8	580.5	606.5	644.6	696.3	758.1	827.9	892.0	944.4	954.5
42.5°	495.0	495.0	507.4	535.5	562.9	611.6	670.6	739.9	814.9	875.3	902.2
45°	409.2	412.1	422.2	439.0	460.6	501.8	549.1	613.5	697.6	769.2	814.0
47.5°	346.5	350.7	357.2	370.9	388.1	415.6	454.6	512.5	580.9	659.7	723.4
50°	314.1	314.7	322.9	330.5	345.4	367.4	401.6	449.8	512.7	588.4	659.2
52.5°	286.2	286.0	291.0	300.6	312.7	329.8	357.4	401.4	457.1	525.0	598.0
55°	244.3	245.8	249.6	257.2	266.4	278.5	300.4	333.4	377.2	435.2	501.5
57.5°	212.4	213.2	216.2	219.5	227.9	236.7	253.1	276.0	312.9	360.4	422.2
60°	191.6	191.9	192.9	197.6	204.3	212.5	223.6	243.0	274.1	317.6	366.4
62.5°	171.3	171.9	173.3	176.8	182.0	187.7	199.3	214.8	240.6	277.7	321.7
65°	142.8	143.1	145.3	146.6	150.7	155.7	164.3	174.8	192.6	223.6	257.0
67.5°	119.3	119.3	119.4	121.2	124.0	127.3	132.5	140.9	154.3	173.3	202.7
70°	104.0	104.0	104.7	105.7	107.2	110.1	112.9	119.3	129.1	144.6	167.1
72.5°	89.8	90.1	90.7	90.9	91.7	94.1	96.2	100.2	107.5	119.3	137.5
75°	66.0	66.9	68.5	69.8	71.3	71.1	73.3	75.8	78.0	85.0	95.5
77.5°	49.1	48.6	48.8	49.9	50.1	50.4	51.9	53.9	55.6	58.9	62.6
80°	37.4	37.4	38.4	38.7	38.4	38.7	40.3	41.3	41.9	43.1	46.6
82.5°	28.3	28.8	28.5	28.8	29.0	29.4	30.7	30.8	31.5	32.0	33.4
85°	15.9	16.1	16.5	15.9	15.9	15.9	16.5	16.8	17.4	17.1	17.8
87.5°	10.5	10.2	10.4	10.4	10.5	10.1	10.1	10.4	9.7	9.7	9.5
90°	24.8	24.4	24.1	23.6	23.3	22.6	21.4	20.4	19.2	18.2	16.7
92.5°	36.7	36.4	36.2	36.0	35.8	35.4	34.7	34.0	33.3	32.7	31.7
95°	65.2	65.2	65.2	65.2	65.2	65.0	64.4	63.8	63.3	62.8	61.5
97.5°	102.2	102.2	102.2	102.2	102.2	101.9	101.3	100.6	100.0	99.3	97.8
100°	128.0	128.0	128.0	128.0	128.0	127.8	127.4	127.1	126.7	126.4	124.7
102.5°	157.1	156.9	156.8	156.6	156.5	156.2	155.6	155.2	154.7	154.1	152.6
105°	201.5	201.0	200.4	199.9	199.3	198.8	198.2	197.7	197.1	196.6	195.8
107.5°	244.8	244.8	244.9	244.9	244.9	244.8	244.2	243.7	243.2	242.6	242.6
110°	275.9	275.3	274.8	274.2	273.7	273.5	273.9	274.3	274.7	275.0	275.2



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	307.6	307.4	307.4	307.3	307.1	307.1	307.2	307.3	307.4	307.4	307.8
115°	356.8	357.0	357.2	357.3	357.5	357.8	357.9	358.1	358.2	358.5	358.8
117.5°	403.7	404.1	404.5	404.8	405.2	405.7	406.3	406.9	407.6	408.1	408.5
120°	439.4	439.0	438.6	438.3	437.9	438.2	439.1	440.0	441.0	441.9	442.5
122.5°	469.1	469.8	470.4	471.1	471.7	472.4	473.0	473.7	474.3	474.9	475.2
125°	520.3	520.7	521.1	521.5	521.8	522.2	522.5	522.9	523.3	523.7	523.8
127.5°	567.8	568.0	568.3	568.6	568.9	569.2	569.6	570.0	570.4	570.7	571.0
130°	598.8	599.6	600.3	601.0	601.8	602.3	602.7	603.0	603.4	603.7	603.7
132.5°	631.9	632.1	632.4	632.8	633.0	633.3	633.7	634.1	634.5	634.8	635.0
135°	677.3	677.8	678.3	678.9	679.5	680.0	680.3	680.7	681.0	681.4	681.4
137.5°	725.0	724.9	724.8	724.6	724.6	724.7	725.2	725.7	726.2	726.7	726.4
140°	754.1	754.2	754.5	754.6	754.8	755.0	755.2	755.4	755.5	755.7	755.7
142.5°	783.2	783.2	783.3	783.3	783.3	783.3	783.3	783.4	783.4	783.5	783.7
145°	822.6	823.2	823.7	824.3	824.8	825.2	825.4	825.6	825.7	825.9	825.7
147.5°	862.6	862.7	863.0	863.2	863.3	863.5	863.6	863.8	864.0	864.1	864.2
150°	887.0	887.2	887.5	887.6	887.8	887.9	887.9	887.9	887.9	887.9	887.9
152.5°	909.5	910.0	910.4	910.9	911.4	911.4	911.0	910.5	910.1	909.7	909.5
155°	940.8	941.5	942.2	943.0	943.7	943.7	943.0	942.2	941.5	940.8	940.9
157.5°	968.7	969.3	969.9	970.5	971.2	971.2	970.6	970.1	969.6	969.0	969.0
160°	984.5	985.5	986.3	987.2	988.1	988.4	987.8	987.2	986.7	986.2	986.3
162.5°	1001.0	1001.9	1002.9	1003.8	1004.7	1004.7	1003.6	1002.7	1001.7	1000.7	1000.9
165°	1022.5	1023.2	1023.9	1024.7	1025.4	1025.2	1024.2	1023.0	1022.0	1020.8	1021.2
167.5°	1037.9	1039.0	1040.2	1041.3	1042.4	1042.4	1041.3	1040.2	1039.1	1038.0	1038.0
170°	1046.4	1047.7	1049.0	1050.4	1051.6	1051.7	1050.6	1049.5	1048.4	1047.3	1047.1
172.5°	1053.7	1055.0	1056.3	1057.6	1058.8	1058.9	1057.6	1056.4	1055.2	1053.9	1053.9
175°	1061.4	1062.6	1063.9	1065.2	1066.5	1066.5	1065.2	1063.9	1062.6	1061.4	1061.5
177.5°	1065.3	1066.5	1067.6	1068.8	1070.0	1070.1	1069.0	1068.0	1067.0	1065.9	1065.9
180°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	811.2	807.6	805.8	801.8	797.0	794.4	792.1	788.9	784.6	780.0	776.7
5°	852.4	844.7	835.2	823.8	813.7	803.8	795.2	786.7	776.9	766.7	756.6
7.5°	894.6	879.6	863.5	844.7	826.6	810.0	794.8	780.2	763.7	748.9	735.4
10°	924.1	903.8	881.3	857.5	833.6	813.0	792.7	774.3	754.0	736.0	720.7
12.5°	947.9	924.1	897.0	867.3	838.7	813.8	790.4	766.5	743.4	723.7	703.4
15°	987.5	954.8	918.4	882.8	845.7	811.8	780.3	752.4	726.1	698.5	679.1
17.5°	1014.7	975.9	931.6	888.9	845.1	805.0	768.8	735.6	705.2	677.0	654.0
20°	1030.9	988.1	939.0	890.4	841.2	798.4	759.5	722.6	691.2	660.8	637.0
22.5°	1040.1	992.7	939.0	888.1	837.2	790.8	748.0	709.7	675.5	645.1	618.7
25°	1043.0	992.2	937.3	879.0	823.2	774.0	729.6	688.0	650.0	619.5	591.6
27.5°	1038.9	979.2	923.0	863.1	805.5	753.7	707.0	663.3	625.3	592.6	563.9
30°	1032.8	968.8	908.5	846.4	788.0	738.2	689.0	647.1	607.5	573.6	544.7
32.5°	1019.7	956.1	891.3	827.5	768.4	717.1	670.5	628.4	589.5	554.7	524.1
35°	993.5	929.1	858.7	793.4	735.3	682.0	638.2	597.6	560.5	523.4	491.1
37.5°	959.0	893.3	823.2	751.7	693.6	643.3	603.1	565.0	528.7	494.9	459.0
40°	926.6	866.7	794.3	723.3	663.7	615.1	578.0	543.4	507.0	473.3	437.4
42.5°	887.3	836.2	763.1	691.8	632.9	586.1	551.5	517.8	484.6	452.0	414.6
45°	821.6	782.9	714.4	645.9	586.5	540.2	508.5	478.7	449.5	418.4	383.2
47.5°	746.3	720.2	661.0	590.8	536.0	494.3	463.7	439.3	414.6	383.5	352.6
50°	694.1	677.3	620.2	556.1	503.8	465.4	434.0	411.1	390.5	360.7	333.0
52.5°	638.2	629.3	581.1	519.8	469.2	431.6	404.8	384.3	363.4	338.6	312.7
55°	553.3	558.0	517.1	464.1	416.5	384.8	360.4	343.2	325.5	304.5	284.5
57.5°	466.3	483.7	456.2	409.7	365.1	335.8	317.4	303.0	288.1	270.7	253.6
60°	414.3	428.8	413.4	372.4	333.4	306.1	289.0	277.9	262.9	247.1	234.1
62.5°	363.5	379.1	369.9	336.9	300.7	277.2	262.1	251.8	240.7	226.8	213.3
65°	299.8	309.9	305.5	282.7	257.0	236.9	223.0	215.4	205.2	195.1	183.0
67.5°	229.6	249.2	246.6	234.5	212.3	196.7	187.5	180.8	171.5	164.0	155.8
70°	188.7	206.8	206.5	196.7	184.6	170.0	163.7	158.0	149.7	142.4	135.7
72.5°	154.5	171.0	173.5	166.0	157.8	146.7	140.6	136.6	128.7	123.7	118.2
75°	108.2	120.3	123.4	123.4	119.6	113.9	108.5	106.0	100.2	95.8	92.6
77.5°	70.9	78.5	83.5	84.6	85.2	83.3	78.8	77.0	72.7	71.1	68.1
80°	50.1	55.2	60.9	62.8	64.4	63.8	61.9	60.6	56.5	54.9	53.6
82.5°	34.7	37.4	42.2	46.3	45.9	47.5	45.9	44.8	41.7	41.2	39.9
85°	18.1	18.4	19.0	21.9	23.5	24.1	24.5	23.8	22.8	22.8	20.6
87.5°	9.1	8.6	8.8	8.5	8.3	8.9	9.3	9.1	8.8	8.4	8.1
90°	15.2	13.8	12.3	10.5	8.6	6.5	4.5	2.4	4.5	6.5	8.6
92.5°	30.7	29.6	28.6	26.9	24.6	22.3	20.0	17.7	20.0	22.3	24.6
95°	60.2	58.9	57.6	56.2	54.5	52.8	51.2	49.6	51.2	52.8	54.5
97.5°	96.3	94.7	93.3	91.9	90.5	89.2	87.9	86.6	87.9	89.2	90.5
100°	123.0	121.4	119.8	118.5	117.8	117.1	116.3	115.6	116.3	117.1	117.8
102.5°	151.1	149.6	148.1	147.2	146.9	146.6	146.3	146.0	146.3	146.6	146.9
105°	195.1	194.4	193.6	193.1	193.0	192.8	192.7	192.4	192.7	192.8	193.0
107.5°	242.5	242.3	242.2	242.1	241.8	241.6	241.4	241.2	241.4	241.6	241.8
110°	275.4	275.6	275.7	275.7	275.3	274.9	274.6	274.2	274.6	274.9	275.3





TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	308.1	308.4	308.8	308.8	308.8	308.8	308.7	308.6	308.7	308.8	308.8
115°	359.2	359.5	360.0	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1
117.5°	408.7	409.0	409.2	409.3	409.1	409.0	408.8	408.7	408.8	409.0	409.1
120°	443.0	443.5	444.1	444.0	443.3	442.5	441.8	441.1	441.8	442.5	443.3
122.5°	475.4	475.6	476.0	475.9	475.6	475.3	475.1	474.7	475.1	475.3	475.6
125°	524.0	524.2	524.4	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5
127.5°	571.3	571.6	571.9	571.8	571.2	570.6	570.1	569.6	570.1	570.6	571.2
130°	603.7	603.7	603.7	603.5	602.9	602.3	601.9	601.3	601.9	602.3	602.9
132.5°	635.1	635.3	635.4	635.3	634.9	634.5	634.1	633.7	634.1	634.5	634.9
135°	681.4	681.4	681.4	680.9	679.7	678.7	677.5	676.5	677.5	678.7	679.7
137.5°	726.1	725.8	725.5	725.0	724.6	724.1	723.5	723.0	723.5	724.1	724.6
140°	755.7	755.7	755.7	755.5	755.2	754.8	754.5	754.1	754.5	754.8	755.2
142.5°	783.7	783.9	784.1	784.0	783.6	783.3	782.9	782.5	782.9	783.3	783.6
145°	825.6	825.4	825.2	824.8	824.0	823.3	822.6	821.8	822.6	823.3	824.0
147.5°	864.4	864.5	864.7	864.3	863.4	862.6	861.7	860.8	861.7	862.6	863.4
150°	887.9	887.9	887.9	887.5	886.8	886.1	885.3	884.6	885.3	886.1	886.8
152.5°	909.4	909.2	909.1	908.8	908.3	907.9	907.5	907.0	907.5	907.9	908.3
155°	941.1	941.3	941.5	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6
157.5°	969.1	969.1	969.1	969.3	969.6	970.0	970.3	970.6	970.3	970.0	969.6
160°	986.5	986.7	986.9	987.1	987.2	987.4	987.7	987.8	987.7	987.4	987.2
162.5°	1001.1	1001.3	1001.4	1001.8	1002.2	1002.7	1003.2	1003.6	1003.2	1002.7	1002.2
165°	1021.6	1022.0	1022.3	1022.8	1023.4	1023.9	1024.4	1025.0	1024.4	1023.9	1023.4
167.5°	1038.0	1038.0	1037.9	1038.3	1039.0	1039.8	1040.6	1041.3	1040.6	1039.8	1039.0
170°	1046.9	1046.8	1046.5	1046.9	1047.8	1048.7	1049.7	1050.6	1049.7	1048.7	1047.8
172.5°	1053.9	1053.8	1053.8	1054.1	1054.9	1055.6	1056.4	1057.2	1056.4	1055.6	1054.9
175°	1061.7	1061.8	1062.1	1062.6	1063.6	1064.5	1065.4	1066.2	1065.4	1064.5	1063.6
177.5°	1065.9	1065.9	1065.9	1066.3	1067.1	1067.8	1068.5	1069.3	1068.5	1067.8	1067.1
180°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	773.1	770.6	767.3	763.4	758.9	754.9	753.1	754.6	755.4	753.3	753.1
5°	749.6	741.7	735.3	725.8	718.2	711.8	707.4	705.5	706.1	701.1	699.8
7.5°	723.1	713.7	703.4	692.0	681.5	672.2	667.3	664.6	659.3	657.0	653.1
10°	706.1	693.4	683.3	669.9	657.9	646.8	641.4	637.0	631.6	629.0	623.6
12.5°	688.6	673.9	662.8	648.9	636.6	623.2	618.1	609.8	601.4	596.1	589.1
15°	663.9	646.2	632.5	616.0	601.4	586.2	572.6	557.3	551.6	539.6	532.6
17.5°	635.0	617.0	600.1	578.0	555.5	536.6	522.0	507.5	498.7	491.1	487.5
20°	616.0	599.6	576.1	550.4	525.3	504.3	492.6	483.1	473.6	468.2	464.4
22.5°	598.0	577.0	549.7	522.0	496.9	480.5	470.6	460.8	453.1	447.9	442.9
25°	567.9	540.2	511.4	479.6	462.5	448.3	437.4	429.5	424.8	418.1	415.6
27.5°	536.8	503.4	471.5	450.2	432.4	419.3	409.9	404.0	397.9	393.6	390.4
30°	512.9	479.0	450.5	430.2	412.1	401.3	393.6	386.7	382.0	378.5	375.9
32.5°	489.3	455.4	431.4	409.6	395.3	384.8	376.7	371.5	367.7	363.2	361.7
35°	455.2	425.1	404.1	384.5	369.9	360.4	354.0	348.6	345.4	344.2	343.2
37.5°	422.4	397.7	375.2	359.1	346.1	338.6	331.1	328.5	326.3	324.0	325.1
40°	401.6	378.5	358.5	341.4	330.8	322.6	318.1	315.0	313.1	313.1	313.1
42.5°	383.6	360.9	341.4	326.1	315.6	308.7	303.7	301.0	300.4	300.1	301.7
45°	355.6	334.7	315.0	302.3	293.4	286.4	283.6	281.4	281.4	282.7	283.0
47.5°	327.9	308.3	292.4	278.3	270.1	265.8	263.3	262.1	262.3	263.5	265.0
50°	310.9	291.6	276.0	263.3	255.7	251.5	249.3	248.7	249.3	249.3	251.5
52.5°	292.4	275.0	259.8	249.1	240.4	236.6	235.4	234.5	234.9	235.9	236.8
55°	265.2	249.6	235.1	224.9	218.6	216.1	213.2	213.5	212.9	213.5	213.5
57.5°	238.0	224.0	210.4	202.4	196.8	193.1	190.0	190.9	190.0	189.8	189.3
60°	220.5	205.2	194.4	187.2	180.8	177.7	174.8	175.5	174.5	173.8	172.6
62.5°	201.5	188.7	178.5	171.5	166.3	162.7	159.8	159.1	156.9	154.8	152.0
65°	173.8	163.4	154.2	147.5	142.8	139.9	137.7	135.7	131.0	126.0	123.4
67.5°	147.0	139.4	130.9	125.2	121.4	117.6	113.4	110.1	105.7	102.9	101.3
70°	129.7	122.5	115.1	109.7	105.7	102.2	97.3	95.1	92.0	90.7	89.1
72.5°	113.2	106.5	99.6	94.8	90.4	87.6	84.0	81.7	80.3	79.8	78.2
75°	88.2	82.8	77.7	73.3	69.8	67.9	66.3	64.7	64.1	61.2	59.6
77.5°	64.3	60.7	57.6	54.5	51.9	50.7	47.6	45.8	44.8	43.4	43.0
80°	50.1	47.6	44.4	42.5	39.1	37.7	36.4	36.2	35.9	35.5	35.2
82.5°	37.7	35.1	32.0	30.8	29.9	29.1	28.4	28.0	27.7	27.9	27.9
85°	19.0	17.8	17.8	17.4	17.1	16.8	16.5	16.5	16.1	16.5	16.1
87.5°	8.5	8.6	8.8	8.6	9.2	9.5	9.5	9.6	10.1	9.9	10.0
90°	10.5	12.3	13.8	15.2	16.7	18.2	19.2	20.4	21.4	22.6	23.3
92.5°	26.9	28.6	29.6	30.7	31.7	32.7	33.3	34.0	34.7	35.4	35.8
95°	56.2	57.6	58.9	60.2	61.5	62.8	63.3	63.8	64.4	65.0	65.2
97.5°	91.9	93.3	94.7	96.3	97.8	99.3	100.0	100.6	101.3	101.9	102.2
100°	118.5	119.8	121.4	123.0	124.7	126.4	126.7	127.1	127.4	127.8	128.0
102.5°	147.2	148.1	149.6	151.1	152.6	154.1	154.7	155.2	155.6	156.2	156.5
105°	193.1	193.6	194.4	195.1	195.8	196.6	197.1	197.7	198.2	198.8	199.3
107.5°	242.1	242.2	242.3	242.5	242.6	242.6	243.2	243.7	244.2	244.8	244.9
110°	275.7	275.7	275.6	275.4	275.2	275.0	274.7	274.3	273.9	273.5	273.7



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	308.8	308.8	308.4	308.1	307.8	307.4	307.4	307.3	307.2	307.1	307.1
115°	360.1	360.0	359.5	359.2	358.8	358.5	358.2	358.1	357.9	357.8	357.5
117.5°	409.3	409.2	409.0	408.7	408.5	408.1	407.6	406.9	406.3	405.7	405.2
120°	444.0	444.1	443.5	443.0	442.5	441.9	441.0	440.0	439.1	438.2	437.9
122.5°	475.9	476.0	475.6	475.4	475.2	474.9	474.3	473.7	473.0	472.4	471.7
125°	524.5	524.4	524.2	524.0	523.8	523.7	523.3	522.9	522.5	522.2	521.8
127.5°	571.8	571.9	571.6	571.3	571.0	570.7	570.4	570.0	569.6	569.2	568.9
130°	603.5	603.7	603.7	603.7	603.7	603.7	603.4	603.0	602.7	602.3	601.8
132.5°	635.3	635.4	635.3	635.1	635.0	634.8	634.5	634.1	633.7	633.3	633.0
135°	680.9	681.4	681.4	681.4	681.4	681.4	681.0	680.7	680.3	680.0	679.5
137.5°	725.0	725.5	725.8	726.1	726.4	726.7	726.2	725.7	725.2	724.7	724.6
140°	755.5	755.7	755.7	755.7	755.7	755.7	755.5	755.4	755.2	755.0	754.8
142.5°	784.0	784.1	783.9	783.7	783.7	783.5	783.4	783.4	783.3	783.3	783.3
145°	824.8	825.2	825.4	825.6	825.7	825.9	825.7	825.6	825.4	825.2	824.8
147.5°	864.3	864.7	864.5	864.4	864.2	864.1	864.0	863.8	863.6	863.5	863.3
150°	887.5	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.8
152.5°	908.8	909.1	909.2	909.4	909.5	909.7	910.1	910.5	911.0	911.4	911.4
155°	941.6	941.5	941.3	941.1	940.9	940.8	941.5	942.2	943.0	943.7	943.7
157.5°	969.3	969.1	969.1	969.1	969.0	969.0	969.6	970.1	970.6	971.2	971.2
160°	987.1	986.9	986.7	986.5	986.3	986.2	986.7	987.2	987.8	988.4	988.1
162.5°	1001.8	1001.4	1001.3	1001.1	1000.9	1000.7	1001.7	1002.7	1003.6	1004.7	1004.7
165°	1022.8	1022.3	1022.0	1021.6	1021.2	1020.8	1022.0	1023.0	1024.2	1025.2	1025.4
167.5°	1038.3	1037.9	1038.0	1038.0	1038.0	1038.0	1039.1	1040.2	1041.3	1042.4	1042.4
170°	1046.9	1046.5	1046.8	1046.9	1047.1	1047.3	1048.4	1049.5	1050.6	1051.7	1051.6
172.5°	1054.1	1053.8	1053.8	1053.9	1053.9	1053.9	1055.2	1056.4	1057.6	1058.9	1058.8
175°	1062.6	1062.1	1061.8	1061.7	1061.5	1061.4	1062.6	1063.9	1065.2	1066.5	1066.5
177.5°	1066.3	1065.9	1065.9	1065.9	1065.9	1065.9	1067.0	1068.0	1069.0	1070.1	1070.0
180°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	751.5	752.0	750.3	749.7	750.3	752.0	751.5	753.1	753.3	755.4	754.6
5°	697.2	696.6	695.0	695.4	695.0	696.6	697.2	699.8	701.1	706.1	705.5
7.5°	650.8	648.3	649.1	646.5	649.1	648.3	650.8	653.1	657.0	659.3	664.6
10°	622.4	618.9	616.0	613.5	616.0	618.9	622.4	623.6	629.0	631.6	637.0
12.5°	583.6	580.6	576.7	577.5	576.7	580.6	583.6	589.1	596.1	601.4	609.8
15°	528.5	523.7	516.1	517.1	516.1	523.7	528.5	532.6	539.6	551.6	557.3
17.5°	481.8	481.9	478.4	479.2	478.4	481.9	481.8	487.5	491.1	498.7	507.5
20°	457.7	455.5	455.8	454.9	455.8	455.5	457.7	464.4	468.2	473.6	483.1
22.5°	441.0	438.3	436.0	434.1	436.0	438.3	441.0	442.9	447.9	453.1	460.8
25°	412.7	410.8	408.0	407.3	408.0	410.8	412.7	415.6	418.1	424.8	429.5
27.5°	387.8	387.4	386.3	384.8	386.3	387.4	387.8	390.4	393.6	397.9	404.0
30°	373.3	372.8	372.1	371.1	372.1	372.8	373.3	375.9	378.5	382.0	386.7
32.5°	360.4	360.0	359.4	359.5	359.4	360.0	360.4	361.7	363.2	367.7	371.5
35°	341.9	341.6	341.0	340.7	341.0	341.6	341.9	343.2	344.2	345.4	348.6
37.5°	324.7	325.5	325.1	325.1	325.1	325.5	324.7	325.1	324.0	326.3	328.5
40°	312.7	313.1	313.7	313.4	313.7	313.1	312.7	313.1	313.1	313.1	315.0
42.5°	302.9	303.0	303.9	302.7	303.9	303.0	302.9	301.7	300.1	300.4	301.0
45°	285.2	287.1	286.7	286.7	286.7	287.1	285.2	283.0	282.7	281.4	281.4
47.5°	265.8	267.5	267.9	267.8	267.9	267.5	265.8	265.0	263.5	262.3	262.1
50°	253.2	252.5	253.5	253.2	253.5	252.5	253.2	251.5	249.3	249.3	248.7
52.5°	237.7	237.8	237.7	237.4	237.7	237.8	237.7	236.8	235.9	234.9	234.5
55°	213.8	214.1	213.5	213.8	213.5	214.1	213.8	213.5	213.5	212.9	213.5
57.5°	187.9	186.4	187.0	186.3	187.0	186.4	187.9	189.3	189.8	190.0	190.9
60°	169.4	166.9	166.2	164.9	166.2	166.9	169.4	172.6	173.8	174.5	175.5
62.5°	148.5	146.8	144.6	145.7	144.6	146.8	148.5	152.0	154.8	156.9	159.1
65°	120.8	119.6	118.6	119.9	118.6	119.6	120.8	123.4	126.0	131.0	135.7
67.5°	100.0	99.4	99.4	98.7	99.4	99.4	100.0	101.3	102.9	105.7	110.1
70°	89.1	88.2	88.2	87.6	88.2	88.2	89.1	89.1	90.7	92.0	95.1
72.5°	77.9	77.0	77.3	76.9	77.3	77.0	77.9	78.2	79.8	80.3	81.7
75°	57.7	56.2	56.2	56.5	56.2	56.2	57.7	59.6	61.2	64.1	64.7
77.5°	43.0	42.7	43.2	42.6	43.2	42.7	43.0	43.0	43.4	44.8	45.8
80°	35.2	34.9	34.6	35.5	34.6	34.9	35.2	35.2	35.5	35.9	36.2
82.5°	27.3	27.3	27.2	28.5	27.2	27.3	27.3	27.9	27.9	27.7	28.0
85°	16.5	15.9	16.5	15.9	16.5	15.9	16.5	16.1	16.5	16.1	16.5
87.5°	10.6	10.4	10.2	10.5	10.2	10.4	10.6	10.0	9.9	10.1	9.6
90°	23.6	24.1	24.4	24.8	24.4	24.1	23.6	23.3	22.6	21.4	20.4
92.5°	36.0	36.2	36.4	36.7	36.4	36.2	36.0	35.8	35.4	34.7	34.0
95°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.0	64.4	63.8
97.5°	102.2	102.2	102.2	102.2	102.2	102.2	102.2	102.2	101.9	101.3	100.6
100°	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	127.8	127.4	127.1
102.5°	156.6	156.8	156.9	157.1	156.9	156.8	156.6	156.5	156.2	155.6	155.2
105°	199.9	200.4	201.0	201.5	201.0	200.4	199.9	199.3	198.8	198.2	197.7
107.5°	244.9	244.9	244.8	244.8	244.8	244.9	244.9	244.9	244.8	244.2	243.7
110°	274.2	274.8	275.3	275.9	275.3	274.8	274.2	273.7	273.5	273.9	274.3



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	307.3	307.4	307.4	307.6	307.4	307.4	307.3	307.1	307.1	307.2	307.3
115°	357.3	357.2	357.0	356.8	357.0	357.2	357.3	357.5	357.8	357.9	358.1
117.5°	404.8	404.5	404.1	403.7	404.1	404.5	404.8	405.2	405.7	406.3	406.9
120°	438.3	438.6	439.0	439.4	439.0	438.6	438.3	437.9	438.2	439.1	440.0
122.5°	471.1	470.4	469.8	469.1	469.8	470.4	471.1	471.7	472.4	473.0	473.7
125°	521.5	521.1	520.7	520.3	520.7	521.1	521.5	521.8	522.2	522.5	522.9
127.5°	568.6	568.3	568.0	567.8	568.0	568.3	568.6	568.9	569.2	569.6	570.0
130°	601.0	600.3	599.6	598.8	599.6	600.3	601.0	601.8	602.3	602.7	603.0
132.5°	632.8	632.4	632.1	631.9	632.1	632.4	632.8	633.0	633.3	633.7	634.1
135°	678.9	678.3	677.8	677.3	677.8	678.3	678.9	679.5	680.0	680.3	680.7
137.5°	724.6	724.8	724.9	725.0	724.9	724.8	724.6	724.6	724.7	725.2	725.7
140°	754.6	754.5	754.2	754.1	754.2	754.5	754.6	754.8	755.0	755.2	755.4
142.5°	783.3	783.3	783.2	783.2	783.2	783.3	783.3	783.3	783.3	783.3	783.4
145°	824.3	823.7	823.2	822.6	823.2	823.7	824.3	824.8	825.2	825.4	825.6
147.5°	863.2	863.0	862.7	862.6	862.7	863.0	863.2	863.3	863.5	863.6	863.8
150°	887.6	887.5	887.2	887.0	887.2	887.5	887.6	887.8	887.9	887.9	887.9
152.5°	910.9	910.4	910.0	909.5	910.0	910.4	910.9	911.4	911.4	911.0	910.5
155°	943.0	942.2	941.5	940.8	941.5	942.2	943.0	943.7	943.7	943.0	942.2
157.5°	970.5	969.9	969.3	968.7	969.3	969.9	970.5	971.2	971.2	970.6	970.1
160°	987.2	986.3	985.5	984.5	985.5	986.3	987.2	988.1	988.4	987.8	987.2
162.5°	1003.8	1002.9	1001.9	1001.0	1001.9	1002.9	1003.8	1004.7	1004.7	1003.6	1002.7
165°	1024.7	1023.9	1023.2	1022.5	1023.2	1023.9	1024.7	1025.4	1025.2	1024.2	1023.0
167.5°	1041.3	1040.2	1039.0	1037.9	1039.0	1040.2	1041.3	1042.4	1042.4	1041.3	1040.2
170°	1050.4	1049.0	1047.7	1046.4	1047.7	1049.0	1050.4	1051.6	1051.7	1050.6	1049.5
172.5°	1057.6	1056.3	1055.0	1053.7	1055.0	1056.3	1057.6	1058.8	1058.9	1057.6	1056.4
175°	1065.2	1063.9	1062.6	1061.4	1062.6	1063.9	1065.2	1066.5	1066.5	1065.2	1063.9
177.5°	1068.8	1067.6	1066.5	1065.3	1066.5	1067.6	1068.8	1070.0	1070.1	1069.0	1068.0
180°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	753.1	754.9	758.9	763.4	767.3	770.6	773.1	776.7	780.0	784.6	788.9
5°	707.4	711.8	718.2	725.8	735.3	741.7	749.6	756.6	766.7	776.9	786.7
7.5°	667.3	672.2	681.5	692.0	703.4	713.7	723.1	735.4	748.9	763.7	780.2
10°	641.4	646.8	657.9	669.9	683.3	693.4	706.1	720.7	736.0	754.0	774.3
12.5°	618.1	623.2	636.6	648.9	662.8	673.9	688.6	703.4	723.7	743.4	766.5
15°	572.6	586.2	601.4	616.0	632.5	646.2	663.9	679.1	698.5	726.1	752.4
17.5°	522.0	536.6	555.5	578.0	600.1	617.0	635.0	654.0	677.0	705.2	735.6
20°	492.6	504.3	525.3	550.4	576.1	599.6	616.0	637.0	660.8	691.2	722.6
22.5°	470.6	480.5	496.9	522.0	549.7	577.0	598.0	618.7	645.1	675.5	709.7
25°	437.4	448.3	462.5	479.6	511.4	540.2	567.9	591.6	619.5	650.0	688.0
27.5°	409.9	419.3	432.4	450.2	471.5	503.4	536.8	563.9	592.6	625.3	663.3
30°	393.6	401.3	412.1	430.2	450.5	479.0	512.9	544.7	573.6	607.5	647.1
32.5°	376.7	384.8	395.3	409.6	431.4	455.4	489.3	524.1	554.7	589.5	628.4
35°	354.0	360.4	369.9	384.5	404.1	425.1	455.2	491.1	523.4	560.5	597.6
37.5°	331.1	338.6	346.1	359.1	375.2	397.7	422.4	459.0	494.9	528.7	565.0
40°	318.1	322.6	330.8	341.4	358.5	378.5	401.6	437.4	473.3	507.0	543.4
42.5°	303.7	308.7	315.6	326.1	341.4	360.9	383.6	414.6	452.0	484.6	517.8
45°	283.6	286.4	293.4	302.3	315.0	334.7	355.6	383.2	418.4	449.5	478.7
47.5°	263.3	265.8	270.1	278.3	292.4	308.3	327.9	352.6	383.5	414.6	439.3
50°	249.3	251.5	255.7	263.3	276.0	291.6	310.9	333.0	360.7	390.5	411.1
52.5°	235.4	236.6	240.4	249.1	259.8	275.0	292.4	312.7	338.6	363.4	384.3
55°	213.2	216.1	218.6	224.9	235.1	249.6	265.2	284.5	304.5	325.5	343.2
57.5°	190.0	193.1	196.8	202.4	210.4	224.0	238.0	253.6	270.7	288.1	303.0
60°	174.8	177.7	180.8	187.2	194.4	205.2	220.5	234.1	247.1	262.9	277.9
62.5°	159.8	162.7	166.3	171.5	178.5	188.7	201.5	213.3	226.8	240.7	251.8
65°	137.7	139.9	142.8	147.5	154.2	163.4	173.8	183.0	195.1	205.2	215.4
67.5°	113.4	117.6	121.4	125.2	130.9	139.4	147.0	155.8	164.0	171.5	180.8
70°	97.3	102.2	105.7	109.7	115.1	122.5	129.7	135.7	142.4	149.7	158.0
72.5°	84.0	87.6	90.4	94.8	99.6	106.5	113.2	118.2	123.7	128.7	136.6
75°	66.3	67.9	69.8	73.3	77.7	82.8	88.2	92.6	95.8	100.2	106.0
77.5°	47.6	50.7	51.9	54.5	57.6	60.7	64.3	68.1	71.1	72.7	77.0
80°	36.4	37.7	39.1	42.5	44.4	47.6	50.1	53.6	54.9	56.5	60.6
82.5°	28.4	29.1	29.9	30.8	32.0	35.1	37.7	39.9	41.2	41.7	44.8
85°	16.5	16.8	17.1	17.4	17.8	17.8	19.0	20.6	22.8	22.8	23.8
87.5°	9.5	9.5	9.2	8.6	8.8	8.6	8.5	8.1	8.4	8.8	9.1
90°	19.2	18.2	16.7	15.2	13.8	12.3	10.5	8.6	6.5	4.5	2.4
92.5°	33.3	32.7	31.7	30.7	29.6	28.6	26.9	24.6	22.3	20.0	17.7
95°	63.3	62.8	61.5	60.2	58.9	57.6	56.2	54.5	52.8	51.2	49.6
97.5°	100.0	99.3	97.8	96.3	94.7	93.3	91.9	90.5	89.2	87.9	86.6
100°	126.7	126.4	124.7	123.0	121.4	119.8	118.5	117.8	117.1	116.3	115.6
102.5°	154.7	154.1	152.6	151.1	149.6	148.1	147.2	146.9	146.6	146.3	146.0
105°	197.1	196.6	195.8	195.1	194.4	193.6	193.1	193.0	192.8	192.7	192.4
107.5°	243.2	242.6	242.6	242.5	242.3	242.2	242.1	241.8	241.6	241.4	241.2
110°	274.7	275.0	275.2	275.4	275.6	275.7	275.7	275.3	274.9	274.6	274.2



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	307.4	307.4	307.8	308.1	308.4	308.8	308.8	308.8	308.8	308.7	308.6
115°	358.2	358.5	358.8	359.2	359.5	360.0	360.1	360.1	360.1	360.1	360.1
117.5°	407.6	408.1	408.5	408.7	409.0	409.2	409.3	409.1	409.0	408.8	408.7
120°	441.0	441.9	442.5	443.0	443.5	444.1	444.0	443.3	442.5	441.8	441.1
122.5°	474.3	474.9	475.2	475.4	475.6	476.0	475.9	475.6	475.3	475.1	474.7
125°	523.3	523.7	523.8	524.0	524.2	524.4	524.5	524.5	524.5	524.5	524.5
127.5°	570.4	570.7	571.0	571.3	571.6	571.9	571.8	571.2	570.6	570.1	569.6
130°	603.4	603.7	603.7	603.7	603.7	603.7	603.5	602.9	602.3	601.9	601.3
132.5°	634.5	634.8	635.0	635.1	635.3	635.4	635.3	634.9	634.5	634.1	633.7
135°	681.0	681.4	681.4	681.4	681.4	681.4	680.9	679.7	678.7	677.5	676.5
137.5°	726.2	726.7	726.4	726.1	725.8	725.5	725.0	724.6	724.1	723.5	723.0
140°	755.5	755.7	755.7	755.7	755.7	755.7	755.5	755.2	754.8	754.5	754.1
142.5°	783.4	783.5	783.7	783.7	783.9	784.1	784.0	783.6	783.3	782.9	782.5
145°	825.7	825.9	825.7	825.6	825.4	825.2	824.8	824.0	823.3	822.6	821.8
147.5°	864.0	864.1	864.2	864.4	864.5	864.7	864.3	863.4	862.6	861.7	860.8
150°	887.9	887.9	887.9	887.9	887.9	887.9	887.5	886.8	886.1	885.3	884.6
152.5°	910.1	909.7	909.5	909.4	909.2	909.1	908.8	908.3	907.9	907.5	907.0
155°	941.5	940.8	940.9	941.1	941.3	941.5	941.6	941.6	941.6	941.6	941.6
157.5°	969.6	969.0	969.0	969.1	969.1	969.1	969.3	969.6	970.0	970.3	970.6
160°	986.7	986.2	986.3	986.5	986.7	986.9	987.1	987.2	987.4	987.7	987.8
162.5°	1001.7	1000.7	1000.9	1001.1	1001.3	1001.4	1001.8	1002.2	1002.7	1003.2	1003.6
165°	1022.0	1020.8	1021.2	1021.6	1022.0	1022.3	1022.8	1023.4	1023.9	1024.4	1025.0
167.5°	1039.1	1038.0	1038.0	1038.0	1038.0	1037.9	1038.3	1039.0	1039.8	1040.6	1041.3
170°	1048.4	1047.3	1047.1	1046.9	1046.8	1046.5	1046.9	1047.8	1048.7	1049.7	1050.6
172.5°	1055.2	1053.9	1053.9	1053.9	1053.8	1053.8	1054.1	1054.9	1055.6	1056.4	1057.2
175°	1062.6	1061.4	1061.5	1061.7	1061.8	1062.1	1062.6	1063.6	1064.5	1065.4	1066.2
177.5°	1067.0	1065.9	1065.9	1065.9	1065.9	1065.9	1066.3	1067.1	1067.8	1068.5	1069.3
180°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	792.1	794.4	797.0	801.8	805.8	807.6	811.2	813.8	812.9	816.5	822.6
5°	795.2	803.8	813.7	823.8	835.2	844.7	852.4	860.0	866.0	873.3	884.1
7.5°	794.8	810.0	826.6	844.7	863.5	879.6	894.6	909.9	923.3	938.2	957.5
10°	792.7	813.0	833.6	857.5	881.3	903.8	924.1	943.1	961.2	980.5	1004.9
12.5°	790.4	813.8	838.7	867.3	897.0	924.1	947.9	975.3	997.9	1022.9	1051.2
15°	780.3	811.8	845.7	882.8	918.4	954.8	987.5	1021.2	1052.6	1082.3	1117.9
17.5°	768.8	805.0	845.1	888.9	931.6	975.9	1014.7	1057.1	1089.2	1129.2	1162.2
20°	759.5	798.4	841.2	890.4	939.0	988.1	1030.9	1074.1	1110.3	1150.6	1192.5
22.5°	748.0	790.8	837.2	888.1	939.0	992.7	1040.1	1083.0	1127.8	1173.1	1216.3
25°	729.6	774.0	823.2	879.0	937.3	992.2	1043.0	1096.3	1144.5	1193.7	1232.4
27.5°	707.0	753.7	805.5	863.1	923.0	979.2	1038.9	1095.8	1144.3	1191.6	1225.3
30°	689.0	738.2	788.0	846.4	908.5	968.8	1032.8	1089.6	1140.7	1183.2	1202.2
32.5°	670.5	717.1	768.4	827.5	891.3	956.1	1019.7	1077.7	1124.9	1150.5	1151.0
35°	638.2	682.0	735.3	793.4	858.7	929.1	993.5	1050.6	1079.5	1081.7	1050.6
37.5°	603.1	643.3	693.6	751.7	823.2	893.3	959.0	997.1	1006.8	974.5	917.0
40°	578.0	615.1	663.7	723.3	794.3	866.7	926.6	954.5	944.4	892.0	827.9
42.5°	551.5	586.1	632.9	691.8	763.1	836.2	887.3	902.2	875.3	814.9	739.9
45°	508.5	540.2	586.5	645.9	714.4	782.9	821.6	814.0	769.2	697.6	613.5
47.5°	463.7	494.3	536.0	590.8	661.0	720.2	746.3	723.4	659.7	580.9	512.5
50°	434.0	465.4	503.8	556.1	620.2	677.3	694.1	659.2	588.4	512.7	449.8
52.5°	404.8	431.6	469.2	519.8	581.1	629.3	638.2	598.0	525.0	457.1	401.4
55°	360.4	384.8	416.5	464.1	517.1	558.0	553.3	501.5	435.2	377.2	333.4
57.5°	317.4	335.8	365.1	409.7	456.2	483.7	466.3	422.2	360.4	312.9	276.0
60°	289.0	306.1	333.4	372.4	413.4	428.8	414.3	366.4	317.6	274.1	243.0
62.5°	262.1	277.2	300.7	336.9	369.9	379.1	363.5	321.7	277.7	240.6	214.8
65°	223.0	236.9	257.0	282.7	305.5	309.9	299.8	257.0	223.6	192.6	174.8
67.5°	187.5	196.7	212.3	234.5	246.6	249.2	229.6	202.7	173.3	154.3	140.9
70°	163.7	170.0	184.6	196.7	206.5	206.8	188.7	167.1	144.6	129.1	119.3
72.5°	140.6	146.7	157.8	166.0	173.5	171.0	154.5	137.5	119.3	107.5	100.2
75°	108.5	113.9	119.6	123.4	123.4	120.3	108.2	95.5	85.0	78.0	75.8
77.5°	78.8	83.3	85.2	84.6	83.5	78.5	70.9	62.6	58.9	55.6	53.9
80°	61.9	63.8	64.4	62.8	60.9	55.2	50.1	46.6	43.1	41.9	41.3
82.5°	45.9	47.5	45.9	46.3	42.2	37.4	34.7	33.4	32.0	31.5	30.8
85°	24.5	24.1	23.5	21.9	19.0	18.4	18.1	17.8	17.1	17.4	16.8
87.5°	9.3	8.9	8.3	8.5	8.8	8.6	9.1	9.5	9.7	9.7	10.4
90°	4.5	6.5	8.6	10.5	12.3	13.8	15.2	16.7	18.2	19.2	20.4
92.5°	20.0	22.3	24.6	26.9	28.6	29.6	30.7	31.7	32.7	33.3	34.0
95°	51.2	52.8	54.5	56.2	57.6	58.9	60.2	61.5	62.8	63.3	63.8
97.5°	87.9	89.2	90.5	91.9	93.3	94.7	96.3	97.8	99.3	100.0	100.6
100°	116.3	117.1	117.8	118.5	119.8	121.4	123.0	124.7	126.4	126.7	127.1
102.5°	146.3	146.6	146.9	147.2	148.1	149.6	151.1	152.6	154.1	154.7	155.2
105°	192.7	192.8	193.0	193.1	193.6	194.4	195.1	195.8	196.6	197.1	197.7
107.5°	241.4	241.6	241.8	242.1	242.2	242.3	242.5	242.6	242.6	243.2	243.7
110°	274.6	274.9	275.3	275.7	275.7	275.6	275.4	275.2	275.0	274.7	274.3





TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	308.7	308.8	308.8	308.8	308.8	308.4	308.1	307.8	307.4	307.4	307.3
115°	360.1	360.1	360.1	360.1	360.0	359.5	359.2	358.8	358.5	358.2	358.1
117.5°	408.8	409.0	409.1	409.3	409.2	409.0	408.7	408.5	408.1	407.6	406.9
120°	441.8	442.5	443.3	444.0	444.1	443.5	443.0	442.5	441.9	441.0	440.0
122.5°	475.1	475.3	475.6	475.9	476.0	475.6	475.4	475.2	474.9	474.3	473.7
125°	524.5	524.5	524.5	524.5	524.4	524.2	524.0	523.8	523.7	523.3	522.9
127.5°	570.1	570.6	571.2	571.8	571.9	571.6	571.3	571.0	570.7	570.4	570.0
130°	601.9	602.3	602.9	603.5	603.7	603.7	603.7	603.7	603.7	603.4	603.0
132.5°	634.1	634.5	634.9	635.3	635.4	635.3	635.1	635.0	634.8	634.5	634.1
135°	677.5	678.7	679.7	680.9	681.4	681.4	681.4	681.4	681.4	681.0	680.7
137.5°	723.5	724.1	724.6	725.0	725.5	725.8	726.1	726.4	726.7	726.2	725.7
140°	754.5	754.8	755.2	755.5	755.7	755.7	755.7	755.7	755.7	755.5	755.4
142.5°	782.9	783.3	783.6	784.0	784.1	783.9	783.7	783.7	783.5	783.4	783.4
145°	822.6	823.3	824.0	824.8	825.2	825.4	825.6	825.7	825.9	825.7	825.6
147.5°	861.7	862.6	863.4	864.3	864.7	864.5	864.4	864.2	864.1	864.0	863.8
150°	885.3	886.1	886.8	887.5	887.9	887.9	887.9	887.9	887.9	887.9	887.9
152.5°	907.5	907.9	908.3	908.8	909.1	909.2	909.4	909.5	909.7	910.1	910.5
155°	941.6	941.6	941.6	941.6	941.5	941.3	941.1	940.9	940.8	941.5	942.2
157.5°	970.3	970.0	969.6	969.3	969.1	969.1	969.1	969.0	969.0	969.6	970.1
160°	987.7	987.4	987.2	987.1	986.9	986.7	986.5	986.3	986.2	986.7	987.2
162.5°	1003.2	1002.7	1002.2	1001.8	1001.4	1001.3	1001.1	1000.9	1000.7	1001.7	1002.7
165°	1024.4	1023.9	1023.4	1022.8	1022.3	1022.0	1021.6	1021.2	1020.8	1022.0	1023.0
167.5°	1040.6	1039.8	1039.0	1038.3	1037.9	1038.0	1038.0	1038.0	1038.0	1039.1	1040.2
170°	1049.7	1048.7	1047.8	1046.9	1046.5	1046.8	1046.9	1047.1	1047.3	1048.4	1049.5
172.5°	1056.4	1055.6	1054.9	1054.1	1053.8	1053.8	1053.9	1053.9	1053.9	1055.2	1056.4
175°	1065.4	1064.5	1063.6	1062.6	1062.1	1061.8	1061.7	1061.5	1061.4	1062.6	1063.9
177.5°	1068.5	1067.8	1067.1	1066.3	1065.9	1065.9	1065.9	1065.9	1065.9	1067.0	1068.0
180°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	825.9	827.0	827.7	830.2	830.5	832.7	830.5
5°	894.2	898.7	905.6	912.6	913.3	917.7	909.8
7.5°	970.9	981.1	987.6	998.8	1003.3	1006.1	1001.5
10°	1023.7	1033.1	1050.0	1058.3	1066.5	1067.7	1064.0
12.5°	1074.6	1089.7	1103.0	1118.7	1118.3	1129.4	1125.4
15°	1142.6	1158.1	1176.6	1194.0	1200.4	1200.4	1205.4
17.5°	1191.1	1219.6	1238.6	1252.3	1267.3	1269.9	1268.1
20°	1223.8	1254.6	1274.9	1292.7	1302.8	1305.7	1305.7
22.5°	1248.2	1274.4	1294.2	1310.2	1318.6	1321.9	1320.9
25°	1265.1	1287.6	1299.7	1304.4	1306.6	1305.9	1300.0
27.5°	1241.9	1241.0	1233.3	1218.7	1207.8	1201.1	1193.5
30°	1197.8	1181.3	1162.3	1141.3	1114.4	1093.7	1087.4
32.5°	1132.1	1095.0	1062.8	1027.9	998.9	978.3	969.6
35°	1004.9	946.2	898.4	856.5	826.1	807.0	800.6
37.5°	854.1	797.3	738.0	697.4	672.1	652.9	645.7
40°	758.1	696.3	644.6	606.5	580.5	561.8	561.5
42.5°	670.6	611.6	562.9	535.5	507.4	495.0	495.0
45°	549.1	501.8	460.6	439.0	422.2	412.1	409.2
47.5°	454.6	415.6	388.1	370.9	357.2	350.7	346.5
50°	401.6	367.4	345.4	330.5	322.9	314.7	314.1
52.5°	357.4	329.8	312.7	300.6	291.0	286.0	286.2
55°	300.4	278.5	266.4	257.2	249.6	245.8	244.3
57.5°	253.1	236.7	227.9	219.5	216.2	213.2	212.4
60°	223.6	212.5	204.3	197.6	192.9	191.9	191.6
62.5°	199.3	187.7	182.0	176.8	173.3	171.9	171.3
65°	164.3	155.7	150.7	146.6	145.3	143.1	142.8
67.5°	132.5	127.3	124.0	121.2	119.4	119.3	119.3
70°	112.9	110.1	107.2	105.7	104.7	104.0	104.0
72.5°	96.2	94.1	91.7	90.9	90.7	90.1	89.8
75°	73.3	71.1	71.3	69.8	68.5	66.9	66.0
77.5°	51.9	50.4	50.1	49.9	48.8	48.6	49.1
80°	40.3	38.7	38.4	38.7	38.4	37.4	37.4
82.5°	30.7	29.4	29.0	28.8	28.5	28.8	28.3
85°	16.5	15.9	15.9	15.9	16.5	16.1	15.9
87.5°	10.1	10.1	10.5	10.4	10.4	10.2	10.5
90°	21.4	22.6	23.3	23.6	24.1	24.4	24.8
92.5°	34.7	35.4	35.8	36.0	36.2	36.4	36.7
95°	64.4	65.0	65.2	65.2	65.2	65.2	65.2
97.5°	101.3	101.9	102.2	102.2	102.2	102.2	102.2
100°	127.4	127.8	128.0	128.0	128.0	128.0	128.0
102.5°	155.6	156.2	156.5	156.6	156.8	156.9	157.1
105°	198.2	198.8	199.3	199.9	200.4	201.0	201.5
107.5°	244.2	244.8	244.9	244.9	244.9	244.8	244.8
110°	273.9	273.5	273.7	274.2	274.8	275.3	275.9



TEST NUMBER: P333044-930

CATALOG NUMBER: S124RDIW-S575D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	307.2	307.1	307.1	307.3	307.4	307.4	307.6
115°	357.9	357.8	357.5	357.3	357.2	357.0	356.8
117.5°	406.3	405.7	405.2	404.8	404.5	404.1	403.7
120°	439.1	438.2	437.9	438.3	438.6	439.0	439.4
122.5°	473.0	472.4	471.7	471.1	470.4	469.8	469.1
125°	522.5	522.2	521.8	521.5	521.1	520.7	520.3
127.5°	569.6	569.2	568.9	568.6	568.3	568.0	567.8
130°	602.7	602.3	601.8	601.0	600.3	599.6	598.8
132.5°	633.7	633.3	633.0	632.8	632.4	632.1	631.9
135°	680.3	680.0	679.5	678.9	678.3	677.8	677.3
137.5°	725.2	724.7	724.6	724.6	724.8	724.9	725.0
140°	755.2	755.0	754.8	754.6	754.5	754.2	754.1
142.5°	783.3	783.3	783.3	783.3	783.3	783.2	783.2
145°	825.4	825.2	824.8	824.3	823.7	823.2	822.6
147.5°	863.6	863.5	863.3	863.2	863.0	862.7	862.6
150°	887.9	887.9	887.8	887.6	887.5	887.2	887.0
152.5°	911.0	911.4	911.4	910.9	910.4	910.0	909.5
155°	943.0	943.7	943.7	943.0	942.2	941.5	940.8
157.5°	970.6	971.2	971.2	970.5	969.9	969.3	968.7
160°	987.8	988.4	988.1	987.2	986.3	985.5	984.5
162.5°	1003.6	1004.7	1004.7	1003.8	1002.9	1001.9	1001.0
165°	1024.2	1025.2	1025.4	1024.7	1023.9	1023.2	1022.5
167.5°	1041.3	1042.4	1042.4	1041.3	1040.2	1039.0	1037.9
170°	1050.6	1051.7	1051.6	1050.4	1049.0	1047.7	1046.4
172.5°	1057.6	1058.9	1058.8	1057.6	1056.3	1055.0	1053.7
175°	1065.2	1066.5	1066.5	1065.2	1063.9	1062.6	1061.4
177.5°	1069.0	1070.1	1070.0	1068.8	1067.6	1066.5	1065.3
180°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0

(END OF REPORT)