

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: P332430-927

Luminaire Tested: **S123RDIW-S775D460U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332430-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-S775D460U927-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 460 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3874.5 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Direct

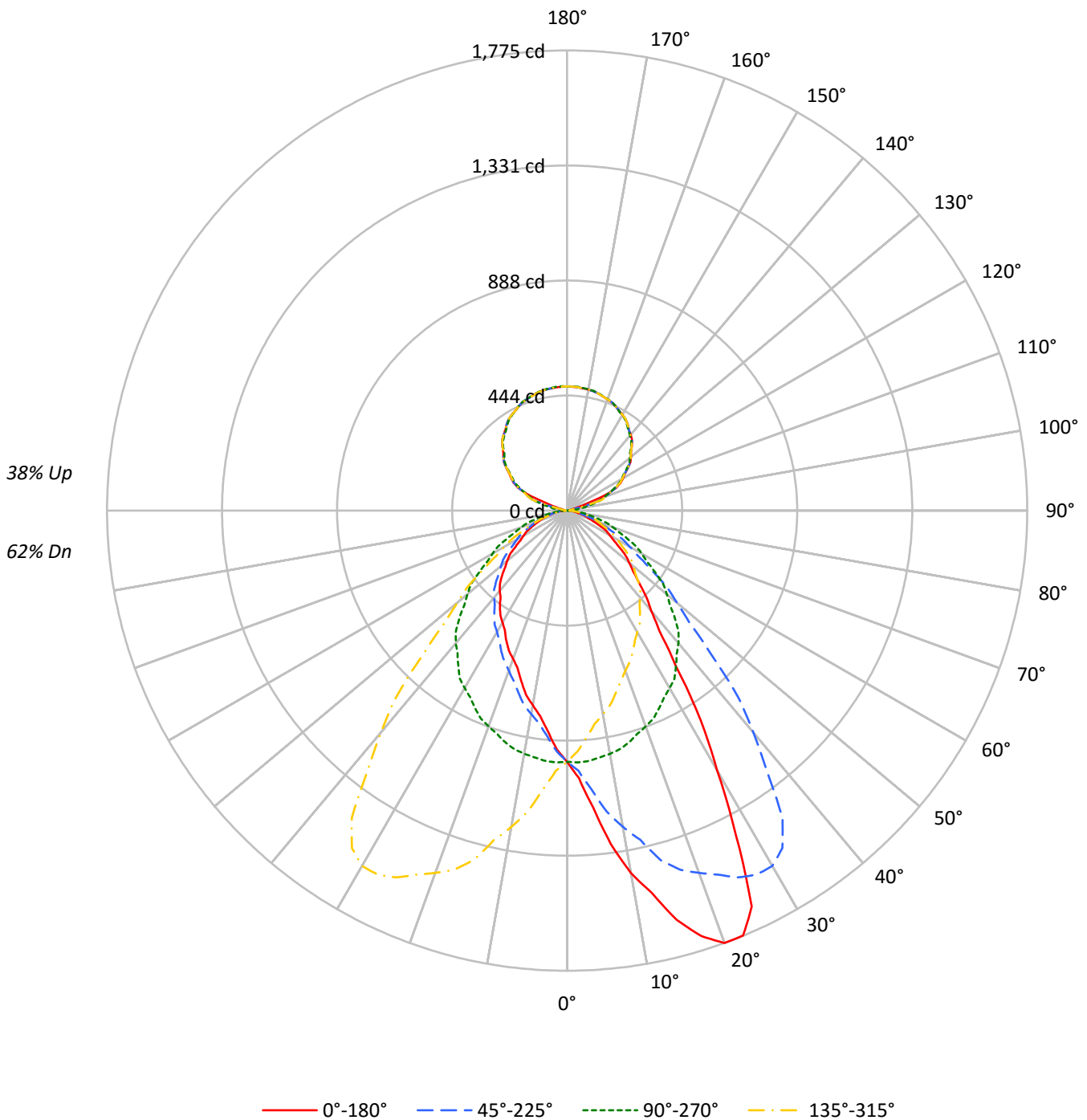
Input Watts (W): 37.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	95	91	88	85	80	78	76	70	68	67	61	60	58	54
2	93	86	80	75	87	81	75	71	71	67	64	62	59	57	54	52	50	46
3	85	76	69	63	80	72	65	60	63	59	55	56	52	49	49	46	44	40
4	78	68	60	54	73	64	57	52	57	51	47	50	46	43	44	41	38	35
5	72	61	53	47	68	58	50	45	51	46	41	45	41	37	40	37	34	31
6	67	55	47	41	63	52	45	40	46	41	36	41	37	33	37	33	30	27
7	62	50	42	36	58	47	40	35	42	37	32	38	33	30	34	30	27	25
8	58	45	38	33	54	43	36	31	39	33	29	35	30	27	31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26	32	27	24	29	25	22	20
10	50	38	31	26	47	37	30	26	33	28	24	30	25	22	27	23	20	18

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

	0°	90°	180°	270°
0°	10428	10428	10428	10428
5°	12431	10472	9223	10472
10°	15522	10413	8332	10413
15°	18219	10307	7598	10307
20°	20333	10148	6975	10148
25°	20009	9980	6590	9980
30°	14382	9825	6196	9825
35°	9603	9625	5941	9625
40°	7075	9382	5675	9382
45°	5934	8958	5416	8958
50°	5238	8403	5056	8403
55°	4592	7767	4560	7767
60°	4090	7160	4179	7160
65°	3591	6507	3889	6507
70°	2820	5926	3550	5926
75°	2483	5178	3244	5178
80°	2163	4395	3186	4395
85°	1741	3532	3384	3532



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	2.5
10°-20°	297.7	7.7
20°-30°	467.6	12.1
30°-40°	487.9	12.6
40°-50°	417.5	10.8
50°-60°	318.2	8.2
60°-70°	204.0	5.3
70°-80°	98.1	2.5
80°-90°	27.3	0.7
90°-100°	17.4	0.4
100°-110°	83.0	2.1
110°-120°	199.4	5.1
120°-130°	253.9	6.6
130°-140°	271.3	7.0
140°-150°	253.7	6.5
150°-160°	204.6	5.3
160°-170°	132.1	3.4
170°-180°	45.5	1.2
0°-30°	860.6	22.2
0°-40°	1348.4	34.8
0°-60°	2084.2	53.8
0°-90°	2413.6	62.3
90°-120°	299.8	7.7
90°-150°	1078.7	27.8
90°-180°	1461.0	37.7
0°-180°	3874.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	969	969	969	969	969	
5°	1150	969	854	969	1150	119
15°	1635	925	682	925	1635	464
25°	1685	840	555	840	1685	724
35°	731	732	452	732	731	479
45°	390	588	356	588	390	307
55°	245	414	243	414	245	221
65°	141	256	153	256	141	139
75°	60	124	78	124	60	64
85°	14	29	27	29	14	16
90°	11	0	11	0	11	5
95°	14	22	14	22	14	11
105°	16	106	16	106	16	36
115°	209	199	209	199	209	193
125°	286	280	286	280	286	256
135°	353	349	353	349	353	272
145°	407	403	407	403	407	254
155°	443	444	443	444	443	204
165°	467	468	467	468	467	132
175°	477	479	477	479	477	45
180°	479	479	479	479	479	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1031.9	1033.2	1028.9	1028.3	1023.3	1021.9	1021.9	1014.9	1010.7	1005.0	1001.7
5°	1150.5	1157.1	1153.8	1146.4	1133.9	1131.0	1123.2	1110.7	1096.6	1079.2	1070.9
7.5°	1298.6	1307.7	1304.2	1292.7	1279.7	1269.2	1246.9	1226.2	1197.3	1171.9	1150.2
10°	1420.1	1410.6	1403.1	1391.9	1379.9	1360.3	1337.1	1305.2	1268.3	1239.3	1206.9
12.5°	1511.0	1509.4	1500.0	1488.4	1471.5	1452.9	1424.4	1385.5	1342.6	1300.7	1263.7
15°	1634.9	1637.4	1631.2	1619.1	1595.1	1562.3	1519.2	1503.0	1441.7	1396.1	1350.4
17.5°	1720.7	1720.2	1719.4	1702.7	1678.2	1654.9	1614.9	1572.3	1516.7	1452.5	1391.0
20°	1775.1	1771.0	1771.8	1753.1	1734.9	1707.9	1669.0	1607.2	1561.5	1487.3	1423.8
22.5°	1773.8	1773.0	1776.2	1769.7	1756.4	1735.8	1705.1	1653.0	1594.7	1519.8	1448.3
25°	1684.7	1681.4	1700.9	1706.3	1727.4	1731.2	1722.0	1693.4	1638.2	1561.1	1472.7
27.5°	1410.0	1408.2	1444.3	1489.6	1547.0	1591.7	1634.7	1655.6	1638.2	1583.0	1494.5
30°	1157.1	1196.1	1214.4	1279.9	1352.9	1440.0	1516.3	1588.9	1606.7	1582.7	1510.1
32.5°	960.8	994.7	1010.0	1066.2	1134.2	1236.3	1350.8	1453.5	1526.1	1544.5	1500.8
35°	730.8	731.2	766.0	790.9	854.0	958.9	1070.1	1207.8	1344.6	1448.3	1459.0
37.5°	583.1	585.2	606.3	631.1	678.3	733.9	831.7	946.2	1104.3	1263.5	1356.8
40°	503.5	507.2	523.0	547.5	581.5	623.4	699.7	807.6	939.4	1116.5	1261.2
42.5°	452.4	458.4	466.6	485.4	506.5	545.7	607.4	690.7	810.6	978.1	1145.1
45°	389.8	393.2	399.4	408.1	427.2	454.6	496.1	552.0	651.6	786.4	953.5
47.5°	343.9	342.1	348.7	355.8	368.4	387.1	414.9	460.7	531.6	639.8	781.6
50°	312.8	312.3	316.9	322.3	334.3	348.0	370.8	405.2	461.6	551.2	681.0
52.5°	283.5	285.1	288.4	295.1	303.7	314.8	335.3	360.0	408.5	485.8	594.1
55°	244.7	246.0	250.5	254.2	260.5	271.6	284.6	305.2	338.4	392.4	481.5
57.5°	211.8	211.3	215.6	216.6	223.6	232.7	242.7	258.8	282.9	322.9	382.9
60°	190.0	188.7	192.4	195.4	199.1	206.5	214.8	230.6	249.7	279.1	330.6
62.5°	170.1	169.4	172.2	175.1	178.2	185.0	191.9	204.1	219.1	244.0	284.8
65°	141.0	142.3	143.5	144.7	146.4	150.5	157.2	165.5	175.9	193.3	222.7
67.5°	110.8	112.1	112.5	115.0	118.6	121.2	125.2	132.6	139.8	154.6	171.3
70°	89.6	89.2	89.6	90.9	95.4	100.0	105.4	110.7	115.3	125.6	139.7
72.5°	77.0	76.2	77.3	77.6	79.8	81.0	84.4	89.5	95.4	102.4	112.6
75°	59.7	59.7	59.7	59.7	61.4	62.2	63.5	64.7	66.8	70.1	77.6
77.5°	44.1	44.2	44.8	45.2	45.6	46.0	46.8	48.0	48.8	50.5	53.8
80°	34.9	35.3	34.9	35.3	35.3	36.0	36.5	37.7	38.2	40.2	41.5
82.5°	26.2	26.0	26.2	26.6	26.6	27.5	27.6	28.4	28.5	29.6	30.9
85°	14.1	13.3	14.1	13.7	14.5	13.7	14.1	14.9	14.9	15.4	17.0
87.5°	5.5	6.1	5.4	5.7	5.6	5.9	5.9	5.8	6.4	6.0	6.2
90°	10.7	10.5	10.4	10.2	10.1	9.8	9.5	9.2	8.9	8.6	7.5
92.5°	11.8	11.7	11.6	11.6	11.4	11.2	10.6	10.1	9.6	9.1	8.3
95°	13.5	13.5	13.5	13.5	13.5	13.2	12.7	12.1	11.6	11.0	10.1
97.5°	14.7	14.6	14.5	14.4	14.3	14.0	13.4	12.8	12.1	11.5	17.2
100°	15.0	14.9	14.8	14.7	14.7	14.3	13.6	13.0	12.4	11.7	24.1
102.5°	15.2	15.1	15.0	14.8	14.7	15.6	17.5	19.5	21.5	23.4	36.9
105°	15.7	15.5	15.4	15.2	15.1	21.9	36.0	49.9	63.9	78.0	85.1
107.5°	49.2	59.7	70.3	80.8	91.4	101.8	112.1	122.3	132.6	142.8	141.7
110°	97.9	109.2	120.5	131.8	143.1	150.0	152.7	155.3	157.9	160.5	159.6



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	167.9	170.3	172.7	175.1	177.4	178.6	178.6	178.6	178.5	178.5	177.6
115°	209.3	209.0	208.7	208.3	208.0	207.5	206.7	205.9	205.1	204.3	203.6
117.5°	232.5	232.4	232.3	232.3	232.2	231.9	231.2	230.6	230.0	229.3	229.0
120°	248.4	248.4	248.4	248.4	248.4	248.1	247.5	246.8	246.2	245.6	245.3
122.5°	264.1	264.0	264.0	263.9	263.8	263.6	263.2	262.7	262.2	261.8	261.5
125°	286.1	286.0	285.8	285.7	285.5	285.3	285.2	285.0	284.9	284.7	284.4
127.5°	307.4	307.5	307.7	307.8	308.0	307.9	307.7	307.4	307.2	307.0	306.6
130°	321.0	321.2	321.3	321.5	321.6	321.5	321.2	320.9	320.6	320.3	320.0
132.5°	333.6	333.7	334.0	334.2	334.5	334.4	334.1	333.7	333.4	333.1	332.9
135°	352.7	352.9	353.2	353.4	353.6	353.6	353.4	353.2	352.9	352.7	352.4
137.5°	370.7	370.9	371.1	371.2	371.4	371.2	370.8	370.5	370.1	369.7	369.6
140°	381.5	381.7	381.8	382.0	382.1	382.1	381.8	381.4	381.1	380.8	380.6
142.5°	391.5	391.7	392.0	392.1	392.4	392.4	392.1	391.9	391.6	391.3	391.1
145°	406.8	406.8	406.8	406.8	406.8	406.7	406.5	406.4	406.2	406.1	405.9
147.5°	418.2	418.6	418.9	419.3	419.6	419.8	419.6	419.5	419.3	419.1	419.0
150°	426.7	427.0	427.2	427.5	427.7	427.7	427.5	427.4	427.2	427.1	426.9
152.5°	433.6	434.0	434.3	434.7	435.0	435.1	434.7	434.5	434.2	434.0	433.8
155°	443.1	443.5	444.0	444.5	445.0	445.0	444.7	444.3	443.9	443.5	443.4
157.5°	451.1	451.8	452.4	453.0	453.6	453.7	453.2	452.7	452.3	451.8	451.9
160°	456.3	456.9	457.4	458.0	458.5	458.5	458.0	457.6	457.1	456.6	456.7
162.5°	461.1	461.6	462.1	462.6	463.1	463.0	462.6	462.0	461.4	460.9	461.0
165°	467.0	467.5	468.1	468.6	469.1	469.1	468.5	467.9	467.2	466.6	466.7
167.5°	471.2	471.8	472.5	473.0	473.6	473.6	473.0	472.5	471.8	471.2	471.2
170°	473.7	474.4	475.0	475.6	476.3	476.3	475.6	475.0	474.4	473.7	473.7
172.5°	475.2	475.9	476.5	477.2	477.9	477.9	477.3	476.7	476.0	475.4	475.4
175°	477.3	477.9	478.6	479.2	479.8	479.8	479.3	478.7	478.2	477.6	477.5
177.5°	477.9	478.6	479.2	479.8	480.5	480.5	480.0	479.5	479.0	478.5	478.4
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1000.4	999.3	994.7	989.4	982.5	977.8	974.1	972.2	966.2	958.9	953.9
5°	1062.2	1049.7	1036.5	1020.3	1005.4	990.0	980.5	969.2	955.6	940.2	929.5
7.5°	1128.4	1104.0	1077.7	1050.6	1023.7	999.7	978.5	960.3	938.5	916.5	901.1
10°	1179.2	1143.4	1106.5	1068.8	1034.4	1002.0	977.2	952.7	926.5	901.3	882.2
12.5°	1225.3	1178.3	1135.8	1089.4	1045.4	1006.7	970.8	942.1	910.6	883.7	861.9
15°	1283.7	1235.6	1184.1	1113.6	1055.1	1006.2	962.7	924.9	886.8	853.6	832.4
17.5°	1338.2	1265.8	1196.7	1137.9	1061.9	1000.8	947.6	902.5	860.6	825.5	799.4
20°	1360.8	1290.7	1215.6	1140.6	1065.9	997.4	935.6	885.9	842.3	802.6	778.5
22.5°	1374.4	1295.0	1215.9	1135.3	1056.0	984.8	923.8	868.9	821.8	783.9	754.2
25°	1390.2	1295.7	1208.6	1128.9	1048.1	970.9	898.3	840.3	789.3	749.0	717.5
27.5°	1400.7	1289.4	1186.5	1098.0	1016.0	939.1	872.6	811.1	759.3	716.8	682.9
30°	1402.6	1284.4	1169.6	1073.8	990.4	919.9	849.4	790.5	735.8	690.5	659.0
32.5°	1405.3	1272.2	1146.7	1044.9	959.6	889.7	825.9	769.6	713.5	669.0	636.8
35°	1394.4	1265.4	1111.9	995.0	909.5	841.9	784.3	732.5	677.3	634.1	601.3
37.5°	1347.3	1238.4	1075.9	938.7	849.4	786.8	739.8	694.6	644.0	597.5	566.6
40°	1299.8	1211.9	1048.1	904.6	811.3	746.9	704.6	667.7	618.8	575.3	542.1
42.5°	1229.2	1175.8	1021.5	868.7	768.1	706.2	670.5	635.9	592.9	548.7	517.5
45°	1099.5	1106.5	967.2	811.7	708.4	646.2	612.6	588.5	550.4	513.9	482.0
47.5°	936.9	1002.8	903.4	750.8	645.4	587.0	557.7	536.7	511.0	475.2	446.0
50°	830.8	924.9	852.3	710.0	605.9	547.9	518.9	501.8	479.4	451.2	423.4
52.5°	732.8	834.0	790.6	664.6	563.2	510.1	481.7	467.7	449.9	423.3	398.2
55°	597.6	700.1	690.1	596.0	498.9	451.2	429.7	413.9	401.9	382.0	362.1
57.5°	483.5	580.6	585.7	519.7	442.4	395.2	376.7	364.8	357.0	341.9	323.5
60°	411.5	500.6	518.0	468.3	401.9	360.4	342.1	332.6	326.4	314.4	300.3
62.5°	351.7	427.6	447.3	411.5	363.1	324.2	310.0	300.8	296.5	286.1	273.7
65°	269.2	332.2	351.3	331.4	306.1	275.0	263.4	255.5	251.8	246.0	236.8
67.5°	202.4	248.3	269.3	255.2	246.1	226.5	219.0	214.8	211.5	207.6	199.9
70°	162.6	196.6	218.2	214.4	207.0	196.6	191.2	188.3	185.0	181.6	175.0
72.5°	130.7	154.2	174.4	176.3	170.2	168.0	163.3	162.1	160.1	156.1	152.5
75°	86.7	102.8	116.9	122.3	124.8	126.9	124.8	124.5	124.0	120.7	118.6
77.5°	56.8	65.5	74.4	83.6	87.5	90.3	91.0	92.5	91.4	89.7	88.6
80°	43.6	45.6	51.8	59.7	65.9	68.4	70.1	70.9	70.5	70.1	68.4
82.5°	31.6	33.4	36.3	41.8	47.1	51.2	52.2	52.0	52.9	53.2	51.8
85°	17.0	17.4	18.2	19.1	21.9	26.5	27.8	28.6	29.5	29.5	26.9
87.5°	6.6	6.1	6.5	6.3	7.2	7.4	9.2	10.7	11.2	10.0	10.1
90°	6.5	5.5	4.4	3.5	2.7	1.9	1.1	0.3	1.1	1.9	2.7
92.5°	7.5	6.8	6.0	5.7	5.9	6.2	6.4	6.7	6.4	6.2	5.9
95°	9.3	8.4	7.5	8.7	12.0	15.2	18.5	21.7	18.5	15.2	12.0
97.5°	22.8	28.5	34.2	37.8	39.3	40.7	42.1	43.6	42.1	40.7	39.3
100°	36.4	48.8	61.1	66.5	64.9	63.3	61.7	60.1	61.7	63.3	64.9
102.5°	50.4	63.8	77.3	83.5	82.4	81.2	80.1	78.9	80.1	81.2	82.4
105°	92.2	99.3	106.4	109.6	108.7	107.8	106.9	106.1	106.9	107.8	108.7
107.5°	140.6	139.5	138.4	137.4	136.7	136.1	135.4	134.7	135.4	136.1	136.7
110°	158.8	157.9	157.0	156.3	155.7	155.0	154.4	153.8	154.4	155.0	155.7





TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	176.7	175.9	175.0	174.3	173.6	173.1	172.5	172.0	172.5	173.1	173.6
115°	202.9	202.2	201.5	200.8	200.3	199.9	199.4	198.9	199.4	199.9	200.3
117.5°	228.6	228.2	227.9	227.4	226.8	226.2	225.7	225.1	225.7	226.2	226.8
120°	245.1	244.9	244.6	244.2	243.4	242.7	242.0	241.3	242.0	242.7	243.4
122.5°	261.2	260.9	260.6	260.2	259.6	259.0	258.4	257.9	258.4	259.0	259.6
125°	284.1	283.8	283.4	283.0	282.3	281.7	281.1	280.4	281.1	281.7	282.3
127.5°	306.2	305.8	305.4	304.9	304.3	303.6	303.0	302.4	303.0	303.6	304.3
130°	319.7	319.4	319.1	318.6	318.0	317.3	316.7	316.1	316.7	317.3	318.0
132.5°	332.6	332.4	332.1	331.7	331.1	330.4	329.8	329.2	329.8	330.4	331.1
135°	352.0	351.7	351.4	351.0	350.5	350.1	349.6	349.1	349.6	350.1	350.5
137.5°	369.4	369.2	369.0	368.6	368.0	367.4	366.9	366.2	366.9	367.4	368.0
140°	380.3	380.1	379.9	379.5	379.1	378.6	378.1	377.6	378.1	378.6	379.1
142.5°	390.9	390.6	390.4	390.1	389.6	389.1	388.6	388.2	388.6	389.1	389.6
145°	405.8	405.6	405.4	405.1	404.6	404.0	403.5	402.9	403.5	404.0	404.6
147.5°	418.8	418.7	418.5	418.2	417.9	417.5	417.2	416.8	417.2	417.5	417.9
150°	426.7	426.6	426.4	426.3	426.0	425.8	425.6	425.3	425.6	425.8	426.0
152.5°	433.7	433.6	433.6	433.5	433.3	433.2	433.1	433.0	433.1	433.2	433.3
155°	443.3	443.2	443.1	443.2	443.4	443.5	443.6	443.8	443.6	443.5	443.4
157.5°	451.9	452.0	452.1	452.2	452.2	452.2	452.2	452.3	452.2	452.2	452.2
160°	456.8	456.9	456.9	457.0	457.1	457.2	457.2	457.3	457.2	457.2	457.1
162.5°	461.1	461.1	461.2	461.4	461.6	461.8	462.0	462.2	462.0	461.8	461.6
165°	466.8	466.8	466.9	467.1	467.3	467.5	467.8	468.0	467.8	467.5	467.3
167.5°	471.2	471.2	471.2	471.3	471.7	472.0	472.3	472.6	472.3	472.0	471.7
170°	473.7	473.7	473.7	473.9	474.2	474.5	474.8	475.2	474.8	474.5	474.2
172.5°	475.3	475.2	475.2	475.3	475.7	476.1	476.5	476.8	476.5	476.1	475.7
175°	477.4	477.4	477.3	477.4	477.8	478.2	478.6	479.0	478.6	478.2	477.8
177.5°	478.3	478.3	478.2	478.3	478.6	479.0	479.3	479.6	479.3	479.0	478.6
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	952.3	947.9	945.0	938.3	934.0	929.4	924.7	927.7	927.4	927.0	927.0
5°	920.4	910.8	902.1	890.9	883.8	875.1	868.5	867.7	869.3	863.5	860.2
7.5°	888.7	875.6	863.2	850.9	837.8	827.4	820.8	817.7	813.5	809.9	806.2
10°	866.4	851.0	839.0	823.7	809.6	797.2	789.3	783.9	780.9	778.1	772.7
12.5°	843.5	828.5	813.2	795.8	782.4	767.9	762.1	756.0	750.4	747.2	739.8
15°	810.0	790.5	774.4	756.1	741.2	727.1	718.7	706.7	705.0	700.9	693.5
17.5°	776.4	755.3	732.9	719.5	702.6	687.9	675.3	671.2	659.3	654.9	648.4
20°	749.9	730.4	713.4	695.5	671.1	657.4	647.5	642.1	632.5	626.7	622.5
22.5°	727.0	707.2	687.5	666.7	646.5	631.1	623.8	615.4	610.3	602.1	597.6
25°	694.3	672.7	649.1	626.7	612.2	600.6	588.9	581.5	574.0	570.3	562.0
27.5°	656.3	633.7	611.6	594.7	576.9	565.4	554.8	548.2	539.2	533.0	528.4
30°	635.4	608.9	589.8	574.4	551.6	540.8	533.0	524.7	518.0	511.4	506.8
32.5°	611.2	586.9	568.9	549.9	532.3	520.6	510.4	503.1	497.4	491.2	486.6
35°	573.1	552.9	534.2	515.1	502.2	490.2	478.2	472.0	466.6	460.8	456.6
37.5°	538.8	519.8	502.1	484.0	468.1	458.3	448.6	443.9	436.6	432.7	428.4
40°	517.6	498.9	479.8	462.5	445.8	438.4	429.7	422.6	416.0	413.1	408.5
42.5°	494.4	475.7	459.6	440.8	427.3	417.2	409.1	401.4	396.4	392.2	389.6
45°	459.9	443.4	427.6	408.9	396.1	387.4	378.3	371.2	366.6	363.8	359.2
47.5°	426.5	410.0	394.0	377.6	365.2	355.3	346.2	341.3	335.2	331.6	328.6
50°	402.3	387.4	370.3	355.5	343.0	333.0	325.6	319.3	313.9	309.4	307.4
52.5°	380.1	364.2	349.4	335.6	322.4	311.2	304.4	297.8	293.7	288.5	286.1
55°	343.4	328.0	315.6	301.9	289.1	279.6	271.2	265.5	261.3	255.5	252.2
57.5°	309.0	295.2	280.4	268.5	255.2	247.2	240.3	232.4	227.4	222.8	219.6
60°	285.7	270.0	257.1	246.0	234.3	223.9	217.8	211.5	206.1	201.5	198.7
62.5°	261.6	247.8	235.6	223.4	212.8	203.7	196.5	191.3	186.6	183.6	180.8
65°	224.3	213.6	201.1	191.2	181.3	174.6	168.8	164.2	160.9	158.8	156.4
67.5°	190.2	179.7	168.9	159.1	152.5	147.4	143.6	139.7	138.0	135.4	133.7
70°	167.9	157.2	147.7	140.2	133.6	129.8	127.3	124.5	122.8	119.5	117.8
72.5°	143.8	135.9	129.0	122.9	117.6	114.2	111.1	107.5	104.9	101.2	99.6
75°	113.2	106.2	100.8	96.6	93.3	88.7	84.2	80.5	79.2	78.0	77.6
77.5°	83.9	79.4	75.5	72.0	67.9	64.6	63.5	62.7	62.4	61.8	61.8
80°	65.9	61.8	58.9	54.7	52.3	52.3	52.3	51.4	51.8	51.8	51.8
82.5°	49.0	45.2	43.6	42.1	41.7	42.0	42.0	42.1	41.9	42.5	42.2
85°	25.3	25.7	26.5	26.1	26.5	26.5	27.4	26.9	27.4	26.5	27.4
87.5°	10.0	11.2	11.7	12.3	12.8	12.7	13.1	13.2	13.5	13.5	13.6
90°	3.5	4.4	5.5	6.5	7.5	8.6	8.9	9.2	9.5	9.8	10.1
92.5°	5.7	6.0	6.8	7.5	8.3	9.1	9.6	10.1	10.6	11.2	11.4
95°	8.7	7.5	8.4	9.3	10.1	11.0	11.6	12.1	12.7	13.2	13.5
97.5°	37.8	34.2	28.5	22.8	17.2	11.5	12.1	12.8	13.4	14.0	14.3
100°	66.5	61.1	48.8	36.4	24.1	11.7	12.4	13.0	13.6	14.3	14.7
102.5°	83.5	77.3	63.8	50.4	36.9	23.4	21.5	19.5	17.5	15.6	14.7
105°	109.6	106.4	99.3	92.2	85.1	78.0	63.9	49.9	36.0	21.9	15.1
107.5°	137.4	138.4	139.5	140.6	141.7	142.8	132.6	122.3	112.1	101.8	91.4
110°	156.3	157.0	157.9	158.8	159.6	160.5	157.9	155.3	152.7	150.0	143.1



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	174.3	175.0	175.9	176.7	177.6	178.5	178.5	178.6	178.6	178.6	177.4
115°	200.8	201.5	202.2	202.9	203.6	204.3	205.1	205.9	206.7	207.5	208.0
117.5°	227.4	227.9	228.2	228.6	229.0	229.3	230.0	230.6	231.2	231.9	232.2
120°	244.2	244.6	244.9	245.1	245.3	245.6	246.2	246.8	247.5	248.1	248.4
122.5°	260.2	260.6	260.9	261.2	261.5	261.8	262.2	262.7	263.2	263.6	263.8
125°	283.0	283.4	283.8	284.1	284.4	284.7	284.9	285.0	285.2	285.3	285.5
127.5°	304.9	305.4	305.8	306.2	306.6	307.0	307.2	307.4	307.7	307.9	308.0
130°	318.6	319.1	319.4	319.7	320.0	320.3	320.6	320.9	321.2	321.5	321.6
132.5°	331.7	332.1	332.4	332.6	332.9	333.1	333.4	333.7	334.1	334.4	334.5
135°	351.0	351.4	351.7	352.0	352.4	352.7	352.9	353.2	353.4	353.6	353.6
137.5°	368.6	369.0	369.2	369.4	369.6	369.7	370.1	370.5	370.8	371.2	371.4
140°	379.5	379.9	380.1	380.3	380.6	380.8	381.1	381.4	381.8	382.1	382.1
142.5°	390.1	390.4	390.6	390.9	391.1	391.3	391.6	391.9	392.1	392.4	392.4
145°	405.1	405.4	405.6	405.8	405.9	406.1	406.2	406.4	406.5	406.7	406.8
147.5°	418.2	418.5	418.7	418.8	419.0	419.1	419.3	419.5	419.6	419.8	419.6
150°	426.3	426.4	426.6	426.7	426.9	427.1	427.2	427.4	427.5	427.7	427.7
152.5°	433.5	433.6	433.6	433.7	433.8	434.0	434.2	434.5	434.7	435.1	435.0
155°	443.2	443.1	443.2	443.3	443.4	443.5	443.9	444.3	444.7	445.0	445.0
157.5°	452.2	452.1	452.0	451.9	451.9	451.8	452.3	452.7	453.2	453.7	453.6
160°	457.0	456.9	456.9	456.8	456.7	456.6	457.1	457.6	458.0	458.5	458.5
162.5°	461.4	461.2	461.1	461.1	461.0	460.9	461.4	462.0	462.6	463.0	463.1
165°	467.1	466.9	466.8	466.8	466.7	466.6	467.2	467.9	468.5	469.1	469.1
167.5°	471.3	471.2	471.2	471.2	471.2	471.2	471.8	472.5	473.0	473.6	473.6
170°	473.9	473.7	473.7	473.7	473.7	473.7	474.4	475.0	475.6	476.3	476.3
172.5°	475.3	475.2	475.2	475.3	475.4	475.4	476.0	476.7	477.3	477.9	477.9
175°	477.4	477.3	477.4	477.4	477.5	477.6	478.2	478.7	479.3	479.8	479.8
177.5°	478.3	478.2	478.3	478.3	478.4	478.5	479.0	479.5	480.0	480.5	480.5
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	923.1	922.7	923.1	921.7	923.1	922.7	923.1	927.0	927.0	927.4	927.7
5°	859.0	858.5	857.3	853.6	857.3	858.5	859.0	860.2	863.5	869.3	867.7
7.5°	803.0	802.4	798.8	798.8	798.8	802.4	803.0	806.2	809.9	813.5	817.7
10°	769.8	770.2	765.2	762.3	765.2	770.2	769.8	772.7	778.1	780.9	783.9
12.5°	737.6	735.7	731.7	728.5	731.7	735.7	737.6	739.8	747.2	750.4	756.0
15°	695.1	690.9	681.0	681.8	681.0	690.9	695.1	693.5	700.9	705.0	706.7
17.5°	645.1	642.1	641.8	636.0	641.8	642.1	645.1	648.4	654.9	659.3	671.2
20°	615.9	613.9	614.7	608.9	614.7	613.9	615.9	622.5	626.7	632.5	642.1
22.5°	593.0	591.0	587.5	585.7	587.5	591.0	593.0	597.6	602.1	610.3	615.4
25°	559.5	556.2	552.9	554.9	552.9	556.2	559.5	562.0	570.3	574.0	581.5
27.5°	526.0	523.5	520.1	519.8	520.1	523.5	526.0	528.4	533.0	539.2	548.2
30°	504.8	502.2	500.6	498.5	500.6	502.2	504.8	506.8	511.4	518.0	524.7
32.5°	483.2	482.7	479.7	479.3	479.7	482.7	483.2	486.6	491.2	497.4	503.1
35°	455.0	452.5	451.6	452.1	451.6	452.5	455.0	456.6	460.8	466.6	472.0
37.5°	428.2	424.8	423.3	421.9	423.3	424.8	428.2	428.4	432.7	436.6	443.9
40°	408.9	405.6	404.8	403.9	404.8	405.6	408.9	408.5	413.1	416.0	422.6
42.5°	387.4	386.0	385.6	384.0	385.6	386.0	387.4	389.6	392.2	396.4	401.4
45°	357.9	357.5	355.1	355.8	355.1	357.5	357.9	359.2	363.8	366.6	371.2
47.5°	326.9	325.1	323.4	324.5	323.4	325.1	326.9	328.6	331.6	335.2	341.3
50°	305.7	304.8	301.1	301.9	301.1	304.8	305.7	307.4	309.4	313.9	319.3
52.5°	284.5	281.3	279.9	279.4	279.9	281.3	284.5	286.1	288.5	293.7	297.8
55°	249.3	245.5	243.8	243.0	243.8	245.5	249.3	252.2	255.5	261.3	265.5
57.5°	214.8	213.7	212.5	213.3	212.5	213.7	214.8	219.6	222.8	227.4	232.4
60°	194.5	194.5	194.5	194.1	194.5	194.5	194.5	198.7	201.5	206.1	211.5
62.5°	179.0	177.9	177.6	178.2	177.6	177.9	179.0	180.8	183.6	186.6	191.3
65°	155.1	154.7	153.0	152.7	153.0	154.7	155.1	156.4	158.8	160.9	164.2
67.5°	132.6	131.1	130.6	130.1	130.6	131.1	132.6	133.7	135.4	138.0	139.7
70°	115.7	114.9	112.4	112.8	112.4	114.9	115.7	117.8	119.5	122.8	124.5
72.5°	97.4	96.6	96.2	95.5	96.2	96.6	97.4	99.6	101.2	104.9	107.5
75°	77.2	76.8	76.3	78.0	76.3	76.8	77.2	77.6	78.0	79.2	80.5
77.5°	61.8	61.8	62.0	61.4	62.0	61.8	61.8	61.8	61.8	62.4	62.7
80°	51.8	51.8	51.4	51.4	51.4	51.8	51.8	51.8	51.8	51.8	51.4
82.5°	41.6	41.9	42.1	41.5	42.1	41.9	41.6	42.2	42.5	41.9	42.1
85°	27.4	26.9	27.8	27.4	27.8	26.9	27.4	27.4	26.5	27.4	26.9
87.5°	14.3	13.7	13.7	14.1	13.7	13.7	14.3	13.6	13.5	13.5	13.2
90°	10.2	10.4	10.5	10.7	10.5	10.4	10.2	10.1	9.8	9.5	9.2
92.5°	11.6	11.6	11.7	11.8	11.7	11.6	11.6	11.4	11.2	10.6	10.1
95°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2	12.7	12.1
97.5°	14.4	14.5	14.6	14.7	14.6	14.5	14.4	14.3	14.0	13.4	12.8
100°	14.7	14.8	14.9	15.0	14.9	14.8	14.7	14.7	14.3	13.6	13.0
102.5°	14.8	15.0	15.1	15.2	15.1	15.0	14.8	14.7	15.6	17.5	19.5
105°	15.2	15.4	15.5	15.7	15.5	15.4	15.2	15.1	21.9	36.0	49.9
107.5°	80.8	70.3	59.7	49.2	59.7	70.3	80.8	91.4	101.8	112.1	122.3
110°	131.8	120.5	109.2	97.9	109.2	120.5	131.8	143.1	150.0	152.7	155.3



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	175.1	172.7	170.3	167.9	170.3	172.7	175.1	177.4	178.6	178.6	178.6
115°	208.3	208.7	209.0	209.3	209.0	208.7	208.3	208.0	207.5	206.7	205.9
117.5°	232.3	232.3	232.4	232.5	232.4	232.3	232.3	232.2	231.9	231.2	230.6
120°	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.1	247.5	246.8
122.5°	263.9	264.0	264.0	264.1	264.0	264.0	263.9	263.8	263.6	263.2	262.7
125°	285.7	285.8	286.0	286.1	286.0	285.8	285.7	285.5	285.3	285.2	285.0
127.5°	307.8	307.7	307.5	307.4	307.5	307.7	307.8	308.0	307.9	307.7	307.4
130°	321.5	321.3	321.2	321.0	321.2	321.3	321.5	321.6	321.5	321.2	320.9
132.5°	334.2	334.0	333.7	333.6	333.7	334.0	334.2	334.5	334.4	334.1	333.7
135°	353.4	353.2	352.9	352.7	352.9	353.2	353.4	353.6	353.6	353.4	353.2
137.5°	371.2	371.1	370.9	370.7	370.9	371.1	371.2	371.4	371.2	370.8	370.5
140°	382.0	381.8	381.7	381.5	381.7	381.8	382.0	382.1	382.1	381.8	381.4
142.5°	392.1	392.0	391.7	391.5	391.7	392.0	392.1	392.4	392.4	392.1	391.9
145°	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.7	406.5	406.4
147.5°	419.3	418.9	418.6	418.2	418.6	418.9	419.3	419.6	419.8	419.6	419.5
150°	427.5	427.2	427.0	426.7	427.0	427.2	427.5	427.7	427.7	427.5	427.4
152.5°	434.7	434.3	434.0	433.6	434.0	434.3	434.7	435.0	435.1	434.7	434.5
155°	444.5	444.0	443.5	443.1	443.5	444.0	444.5	445.0	445.0	444.7	444.3
157.5°	453.0	452.4	451.8	451.1	451.8	452.4	453.0	453.6	453.7	453.2	452.7
160°	458.0	457.4	456.9	456.3	456.9	457.4	458.0	458.5	458.5	458.0	457.6
162.5°	462.6	462.1	461.6	461.1	461.6	462.1	462.6	463.1	463.0	462.6	462.0
165°	468.6	468.1	467.5	467.0	467.5	468.1	468.6	469.1	469.1	468.5	467.9
167.5°	473.0	472.5	471.8	471.2	471.8	472.5	473.0	473.6	473.6	473.0	472.5
170°	475.6	475.0	474.4	473.7	474.4	475.0	475.6	476.3	476.3	475.6	475.0
172.5°	477.2	476.5	475.9	475.2	475.9	476.5	477.2	477.9	477.9	477.3	476.7
175°	479.2	478.6	477.9	477.3	477.9	478.6	479.2	479.8	479.8	479.3	478.7
177.5°	479.8	479.2	478.6	477.9	478.6	479.2	479.8	480.5	480.5	480.0	479.5
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	924.7	929.4	934.0	938.3	945.0	947.9	952.3	953.9	958.9	966.2	972.2
5°	868.5	875.1	883.8	890.9	902.1	910.8	920.4	929.5	940.2	955.6	969.2
7.5°	820.8	827.4	837.8	850.9	863.2	875.6	888.7	901.1	916.5	938.5	960.3
10°	789.3	797.2	809.6	823.7	839.0	851.0	866.4	882.2	901.3	926.5	952.7
12.5°	762.1	767.9	782.4	795.8	813.2	828.5	843.5	861.9	883.7	910.6	942.1
15°	718.7	727.1	741.2	756.1	774.4	790.5	810.0	832.4	853.6	886.8	924.9
17.5°	675.3	687.9	702.6	719.5	732.9	755.3	776.4	799.4	825.5	860.6	902.5
20°	647.5	657.4	671.1	695.5	713.4	730.4	749.9	778.5	802.6	842.3	885.9
22.5°	623.8	631.1	646.5	666.7	687.5	707.2	727.0	754.2	783.9	821.8	868.9
25°	588.9	600.6	612.2	626.7	649.1	672.7	694.3	717.5	749.0	789.3	840.3
27.5°	554.8	565.4	576.9	594.7	611.6	633.7	656.3	682.9	716.8	759.3	811.1
30°	533.0	540.8	551.6	574.4	589.8	608.9	635.4	659.0	690.5	735.8	790.5
32.5°	510.4	520.6	532.3	549.9	568.9	586.9	611.2	636.8	669.0	713.5	769.6
35°	478.2	490.2	502.2	515.1	534.2	552.9	573.1	601.3	634.1	677.3	732.5
37.5°	448.6	458.3	468.1	484.0	502.1	519.8	538.8	566.6	597.5	644.0	694.6
40°	429.7	438.4	445.8	462.5	479.8	498.9	517.6	542.1	575.3	618.8	667.7
42.5°	409.1	417.2	427.3	440.8	459.6	475.7	494.4	517.5	548.7	592.9	635.9
45°	378.3	387.4	396.1	408.9	427.6	443.4	459.9	482.0	513.9	550.4	588.5
47.5°	346.2	355.3	365.2	377.6	394.0	410.0	426.5	446.0	475.2	511.0	536.7
50°	325.6	333.0	343.0	355.5	370.3	387.4	402.3	423.4	451.2	479.4	501.8
52.5°	304.4	311.2	322.4	335.6	349.4	364.2	380.1	398.2	423.3	449.9	467.7
55°	271.2	279.6	289.1	301.9	315.6	328.0	343.4	362.1	382.0	401.9	413.9
57.5°	240.3	247.2	255.2	268.5	280.4	295.2	309.0	323.5	341.9	357.0	364.8
60°	217.8	223.9	234.3	246.0	257.1	270.0	285.7	300.3	314.4	326.4	332.6
62.5°	196.5	203.7	212.8	223.4	235.6	247.8	261.6	273.7	286.1	296.5	300.8
65°	168.8	174.6	181.3	191.2	201.1	213.6	224.3	236.8	246.0	251.8	255.5
67.5°	143.6	147.4	152.5	159.1	168.9	179.7	190.2	199.9	207.6	211.5	214.8
70°	127.3	129.8	133.6	140.2	147.7	157.2	167.9	175.0	181.6	185.0	188.3
72.5°	111.1	114.2	117.6	122.9	129.0	135.9	143.8	152.5	156.1	160.1	162.1
75°	84.2	88.7	93.3	96.6	100.8	106.2	113.2	118.6	120.7	124.0	124.5
77.5°	63.5	64.6	67.9	72.0	75.5	79.4	83.9	88.6	89.7	91.4	92.5
80°	52.3	52.3	52.3	54.7	58.9	61.8	65.9	68.4	70.1	70.5	70.9
82.5°	42.0	42.0	41.7	42.1	43.6	45.2	49.0	51.8	53.2	52.9	52.0
85°	27.4	26.5	26.5	26.1	26.5	25.7	25.3	26.9	29.5	29.5	28.6
87.5°	13.1	12.7	12.8	12.3	11.7	11.2	10.0	10.1	10.0	11.2	10.7
90°	8.9	8.6	7.5	6.5	5.5	4.4	3.5	2.7	1.9	1.1	0.3
92.5°	9.6	9.1	8.3	7.5	6.8	6.0	5.7	5.9	6.2	6.4	6.7
95°	11.6	11.0	10.1	9.3	8.4	7.5	8.7	12.0	15.2	18.5	21.7
97.5°	12.1	11.5	17.2	22.8	28.5	34.2	37.8	39.3	40.7	42.1	43.6
100°	12.4	11.7	24.1	36.4	48.8	61.1	66.5	64.9	63.3	61.7	60.1
102.5°	21.5	23.4	36.9	50.4	63.8	77.3	83.5	82.4	81.2	80.1	78.9
105°	63.9	78.0	85.1	92.2	99.3	106.4	109.6	108.7	107.8	106.9	106.1
107.5°	132.6	142.8	141.7	140.6	139.5	138.4	137.4	136.7	136.1	135.4	134.7
110°	157.9	160.5	159.6	158.8	157.9	157.0	156.3	155.7	155.0	154.4	153.8



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	178.5	178.5	177.6	176.7	175.9	175.0	174.3	173.6	173.1	172.5	172.0
115°	205.1	204.3	203.6	202.9	202.2	201.5	200.8	200.3	199.9	199.4	198.9
117.5°	230.0	229.3	229.0	228.6	228.2	227.9	227.4	226.8	226.2	225.7	225.1
120°	246.2	245.6	245.3	245.1	244.9	244.6	244.2	243.4	242.7	242.0	241.3
122.5°	262.2	261.8	261.5	261.2	260.9	260.6	260.2	259.6	259.0	258.4	257.9
125°	284.9	284.7	284.4	284.1	283.8	283.4	283.0	282.3	281.7	281.1	280.4
127.5°	307.2	307.0	306.6	306.2	305.8	305.4	304.9	304.3	303.6	303.0	302.4
130°	320.6	320.3	320.0	319.7	319.4	319.1	318.6	318.0	317.3	316.7	316.1
132.5°	333.4	333.1	332.9	332.6	332.4	332.1	331.7	331.1	330.4	329.8	329.2
135°	352.9	352.7	352.4	352.0	351.7	351.4	351.0	350.5	350.1	349.6	349.1
137.5°	370.1	369.7	369.6	369.4	369.2	369.0	368.6	368.0	367.4	366.9	366.2
140°	381.1	380.8	380.6	380.3	380.1	379.9	379.5	379.1	378.6	378.1	377.6
142.5°	391.6	391.3	391.1	390.9	390.6	390.4	390.1	389.6	389.1	388.6	388.2
145°	406.2	406.1	405.9	405.8	405.6	405.4	405.1	404.6	404.0	403.5	402.9
147.5°	419.3	419.1	419.0	418.8	418.7	418.5	418.2	417.9	417.5	417.2	416.8
150°	427.2	427.1	426.9	426.7	426.6	426.4	426.3	426.0	425.8	425.6	425.3
152.5°	434.2	434.0	433.8	433.7	433.6	433.6	433.5	433.3	433.2	433.1	433.0
155°	443.9	443.5	443.4	443.3	443.2	443.1	443.2	443.4	443.5	443.6	443.8
157.5°	452.3	451.8	451.9	451.9	452.0	452.1	452.2	452.2	452.2	452.2	452.3
160°	457.1	456.6	456.7	456.8	456.9	456.9	457.0	457.1	457.2	457.2	457.3
162.5°	461.4	460.9	461.0	461.1	461.1	461.2	461.4	461.6	461.8	462.0	462.2
165°	467.2	466.6	466.7	466.8	466.8	466.9	467.1	467.3	467.5	467.8	468.0
167.5°	471.8	471.2	471.2	471.2	471.2	471.2	471.3	471.7	472.0	472.3	472.6
170°	474.4	473.7	473.7	473.7	473.7	473.7	473.9	474.2	474.5	474.8	475.2
172.5°	476.0	475.4	475.4	475.3	475.2	475.2	475.3	475.7	476.1	476.5	476.8
175°	478.2	477.6	477.5	477.4	477.4	477.3	477.4	477.8	478.2	478.6	479.0
177.5°	479.0	478.5	478.4	478.3	478.3	478.2	478.3	478.6	479.0	479.3	479.6
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	974.1	977.8	982.5	989.4	994.7	999.3	1000.4	1001.7	1005.0	1010.7	1014.9
5°	980.5	990.0	1005.4	1020.3	1036.5	1049.7	1062.2	1070.9	1079.2	1096.6	1110.7
7.5°	978.5	999.7	1023.7	1050.6	1077.7	1104.0	1128.4	1150.2	1171.9	1197.3	1226.2
10°	977.2	1002.0	1034.4	1068.8	1106.5	1143.4	1179.2	1206.9	1239.3	1268.3	1305.2
12.5°	970.8	1006.7	1045.4	1089.4	1135.8	1178.3	1225.3	1263.7	1300.7	1342.6	1385.5
15°	962.7	1006.2	1055.1	1113.6	1184.1	1235.6	1283.7	1350.4	1396.1	1441.7	1503.0
17.5°	947.6	1000.8	1061.9	1137.9	1196.7	1265.8	1338.2	1391.0	1452.5	1516.7	1572.3
20°	935.6	997.4	1065.9	1140.6	1215.6	1290.7	1360.8	1423.8	1487.3	1561.5	1607.2
22.5°	923.8	984.8	1056.0	1135.3	1215.9	1295.0	1374.4	1448.3	1519.8	1594.7	1653.0
25°	898.3	970.9	1048.1	1128.9	1208.6	1295.7	1390.2	1472.7	1561.1	1638.2	1693.4
27.5°	872.6	939.1	1016.0	1098.0	1186.5	1289.4	1400.7	1494.5	1583.0	1638.2	1655.6
30°	849.4	919.9	990.4	1073.8	1169.6	1284.4	1402.6	1510.1	1582.7	1606.7	1588.9
32.5°	825.9	889.7	959.6	1044.9	1146.7	1272.2	1405.3	1500.8	1544.5	1526.1	1453.5
35°	784.3	841.9	909.5	995.0	1111.9	1265.4	1394.4	1459.0	1448.3	1344.6	1207.8
37.5°	739.8	786.8	849.4	938.7	1075.9	1238.4	1347.3	1356.8	1263.5	1104.3	946.2
40°	704.6	746.9	811.3	904.6	1048.1	1211.9	1299.8	1261.2	1116.5	939.4	807.6
42.5°	670.5	706.2	768.1	868.7	1021.5	1175.8	1229.2	1145.1	978.1	810.6	690.7
45°	612.6	646.2	708.4	811.7	967.2	1106.5	1099.5	953.5	786.4	651.6	552.0
47.5°	557.7	587.0	645.4	750.8	903.4	1002.8	936.9	781.6	639.8	531.6	460.7
50°	518.9	547.9	605.9	710.0	852.3	924.9	830.8	681.0	551.2	461.6	405.2
52.5°	481.7	510.1	563.2	664.6	790.6	834.0	732.8	594.1	485.8	408.5	360.0
55°	429.7	451.2	498.9	596.0	690.1	700.1	597.6	481.5	392.4	338.4	305.2
57.5°	376.7	395.2	442.4	519.7	585.7	580.6	483.5	382.9	322.9	282.9	258.8
60°	342.1	360.4	401.9	468.3	518.0	500.6	411.5	330.6	279.1	249.7	230.6
62.5°	310.0	324.2	363.1	411.5	447.3	427.6	351.7	284.8	244.0	219.1	204.1
65°	263.4	275.0	306.1	331.4	351.3	332.2	269.2	222.7	193.3	175.9	165.5
67.5°	219.0	226.5	246.1	255.2	269.3	248.3	202.4	171.3	154.6	139.8	132.6
70°	191.2	196.6	207.0	214.4	218.2	196.6	162.6	139.7	125.6	115.3	110.7
72.5°	163.3	168.0	170.2	176.3	174.4	154.2	130.7	112.6	102.4	95.4	89.5
75°	124.8	126.9	124.8	122.3	116.9	102.8	86.7	77.6	70.1	66.8	64.7
77.5°	91.0	90.3	87.5	83.6	74.4	65.5	56.8	53.8	50.5	48.8	48.0
80°	70.1	68.4	65.9	59.7	51.8	45.6	43.6	41.5	40.2	38.2	37.7
82.5°	52.2	51.2	47.1	41.8	36.3	33.4	31.6	30.9	29.6	28.5	28.4
85°	27.8	26.5	21.9	19.1	18.2	17.4	17.0	17.0	15.4	14.9	14.9
87.5°	9.2	7.4	7.2	6.3	6.5	6.1	6.6	6.2	6.0	6.4	5.8
90°	1.1	1.9	2.7	3.5	4.4	5.5	6.5	7.5	8.6	8.9	9.2
92.5°	6.4	6.2	5.9	5.7	6.0	6.8	7.5	8.3	9.1	9.6	10.1
95°	18.5	15.2	12.0	8.7	7.5	8.4	9.3	10.1	11.0	11.6	12.1
97.5°	42.1	40.7	39.3	37.8	34.2	28.5	22.8	17.2	11.5	12.1	12.8
100°	61.7	63.3	64.9	66.5	61.1	48.8	36.4	24.1	11.7	12.4	13.0
102.5°	80.1	81.2	82.4	83.5	77.3	63.8	50.4	36.9	23.4	21.5	19.5
105°	106.9	107.8	108.7	109.6	106.4	99.3	92.2	85.1	78.0	63.9	49.9
107.5°	135.4	136.1	136.7	137.4	138.4	139.5	140.6	141.7	142.8	132.6	122.3
110°	154.4	155.0	155.7	156.3	157.0	157.9	158.8	159.6	160.5	157.9	155.3





TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	172.5	173.1	173.6	174.3	175.0	175.9	176.7	177.6	178.5	178.5	178.6
115°	199.4	199.9	200.3	200.8	201.5	202.2	202.9	203.6	204.3	205.1	205.9
117.5°	225.7	226.2	226.8	227.4	227.9	228.2	228.6	229.0	229.3	230.0	230.6
120°	242.0	242.7	243.4	244.2	244.6	244.9	245.1	245.3	245.6	246.2	246.8
122.5°	258.4	259.0	259.6	260.2	260.6	260.9	261.2	261.5	261.8	262.2	262.7
125°	281.1	281.7	282.3	283.0	283.4	283.8	284.1	284.4	284.7	284.9	285.0
127.5°	303.0	303.6	304.3	304.9	305.4	305.8	306.2	306.6	307.0	307.2	307.4
130°	316.7	317.3	318.0	318.6	319.1	319.4	319.7	320.0	320.3	320.6	320.9
132.5°	329.8	330.4	331.1	331.7	332.1	332.4	332.6	332.9	333.1	333.4	333.7
135°	349.6	350.1	350.5	351.0	351.4	351.7	352.0	352.4	352.7	352.9	353.2
137.5°	366.9	367.4	368.0	368.6	369.0	369.2	369.4	369.6	369.7	370.1	370.5
140°	378.1	378.6	379.1	379.5	379.9	380.1	380.3	380.6	380.8	381.1	381.4
142.5°	388.6	389.1	389.6	390.1	390.4	390.6	390.9	391.1	391.3	391.6	391.9
145°	403.5	404.0	404.6	405.1	405.4	405.6	405.8	405.9	406.1	406.2	406.4
147.5°	417.2	417.5	417.9	418.2	418.5	418.7	418.8	419.0	419.1	419.3	419.5
150°	425.6	425.8	426.0	426.3	426.4	426.6	426.7	426.9	427.1	427.2	427.4
152.5°	433.1	433.2	433.3	433.5	433.6	433.6	433.7	433.8	434.0	434.2	434.5
155°	443.6	443.5	443.4	443.2	443.1	443.2	443.3	443.4	443.5	443.9	444.3
157.5°	452.2	452.2	452.2	452.2	452.1	452.0	451.9	451.9	451.8	452.3	452.7
160°	457.2	457.2	457.1	457.0	456.9	456.9	456.8	456.7	456.6	457.1	457.6
162.5°	462.0	461.8	461.6	461.4	461.2	461.1	461.1	461.0	460.9	461.4	462.0
165°	467.8	467.5	467.3	467.1	466.9	466.8	466.8	466.7	466.6	467.2	467.9
167.5°	472.3	472.0	471.7	471.3	471.2	471.2	471.2	471.2	471.2	471.8	472.5
170°	474.8	474.5	474.2	473.9	473.7	473.7	473.7	473.7	473.7	474.4	475.0
172.5°	476.5	476.1	475.7	475.3	475.2	475.2	475.3	475.4	475.4	476.0	476.7
175°	478.6	478.2	477.8	477.4	477.3	477.4	477.4	477.5	477.6	478.2	478.7
177.5°	479.3	479.0	478.6	478.3	478.2	478.3	478.3	478.4	478.5	479.0	479.5
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1021.9	1021.9	1023.3	1028.3	1028.9	1033.2	1031.9
5°	1123.2	1131.0	1133.9	1146.4	1153.8	1157.1	1150.5
7.5°	1246.9	1269.2	1279.7	1292.7	1304.2	1307.7	1298.6
10°	1337.1	1360.3	1379.9	1391.9	1403.1	1410.6	1420.1
12.5°	1424.4	1452.9	1471.5	1488.4	1500.0	1509.4	1511.0
15°	1519.2	1562.3	1595.1	1619.1	1631.2	1637.4	1634.9
17.5°	1614.9	1654.9	1678.2	1702.7	1719.4	1720.2	1720.7
20°	1669.0	1707.9	1734.9	1753.1	1771.8	1771.0	1775.1
22.5°	1705.1	1735.8	1756.4	1769.7	1776.2	1773.0	1773.8
25°	1722.0	1731.2	1727.4	1706.3	1700.9	1681.4	1684.7
27.5°	1634.7	1591.7	1547.0	1489.6	1444.3	1408.2	1410.0
30°	1516.3	1440.0	1352.9	1279.9	1214.4	1196.1	1157.1
32.5°	1350.8	1236.3	1134.2	1066.2	1010.0	994.7	960.8
35°	1070.1	958.9	854.0	790.9	766.0	731.2	730.8
37.5°	831.7	733.9	678.3	631.1	606.3	585.2	583.1
40°	699.7	623.4	581.5	547.5	523.0	507.2	503.5
42.5°	607.4	545.7	506.5	485.4	466.6	458.4	452.4
45°	496.1	454.6	427.2	408.1	399.4	393.2	389.8
47.5°	414.9	387.1	368.4	355.8	348.7	342.1	343.9
50°	370.8	348.0	334.3	322.3	316.9	312.3	312.8
52.5°	335.3	314.8	303.7	295.1	288.4	285.1	283.5
55°	284.6	271.6	260.5	254.2	250.5	246.0	244.7
57.5°	242.7	232.7	223.6	216.6	215.6	211.3	211.8
60°	214.8	206.5	199.1	195.4	192.4	188.7	190.0
62.5°	191.9	185.0	178.2	175.1	172.2	169.4	170.1
65°	157.2	150.5	146.4	144.7	143.5	142.3	141.0
67.5°	125.2	121.2	118.6	115.0	112.5	112.1	110.8
70°	105.4	100.0	95.4	90.9	89.6	89.2	89.6
72.5°	84.4	81.0	79.8	77.6	77.3	76.2	77.0
75°	63.5	62.2	61.4	59.7	59.7	59.7	59.7
77.5°	46.8	46.0	45.6	45.2	44.8	44.2	44.1
80°	36.5	36.0	35.3	35.3	34.9	35.3	34.9
82.5°	27.6	27.5	26.6	26.6	26.2	26.0	26.2
85°	14.1	13.7	14.5	13.7	14.1	13.3	14.1
87.5°	5.9	5.9	5.6	5.7	5.4	6.1	5.5
90°	9.5	9.8	10.1	10.2	10.4	10.5	10.7
92.5°	10.6	11.2	11.4	11.6	11.6	11.7	11.8
95°	12.7	13.2	13.5	13.5	13.5	13.5	13.5
97.5°	13.4	14.0	14.3	14.4	14.5	14.6	14.7
100°	13.6	14.3	14.7	14.7	14.8	14.9	15.0
102.5°	17.5	15.6	14.7	14.8	15.0	15.1	15.2
105°	36.0	21.9	15.1	15.2	15.4	15.5	15.7
107.5°	112.1	101.8	91.4	80.8	70.3	59.7	49.2
110°	152.7	150.0	143.1	131.8	120.5	109.2	97.9



TEST NUMBER: P332430-927

CATALOG NUMBER: S123RDIW-S775D460U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	178.6	178.6	177.4	175.1	172.7	170.3	167.9
115°	206.7	207.5	208.0	208.3	208.7	209.0	209.3
117.5°	231.2	231.9	232.2	232.3	232.3	232.4	232.5
120°	247.5	248.1	248.4	248.4	248.4	248.4	248.4
122.5°	263.2	263.6	263.8	263.9	264.0	264.0	264.1
125°	285.2	285.3	285.5	285.7	285.8	286.0	286.1
127.5°	307.7	307.9	308.0	307.8	307.7	307.5	307.4
130°	321.2	321.5	321.6	321.5	321.3	321.2	321.0
132.5°	334.1	334.4	334.5	334.2	334.0	333.7	333.6
135°	353.4	353.6	353.6	353.4	353.2	352.9	352.7
137.5°	370.8	371.2	371.4	371.2	371.1	370.9	370.7
140°	381.8	382.1	382.1	382.0	381.8	381.7	381.5
142.5°	392.1	392.4	392.4	392.1	392.0	391.7	391.5
145°	406.5	406.7	406.8	406.8	406.8	406.8	406.8
147.5°	419.6	419.8	419.6	419.3	418.9	418.6	418.2
150°	427.5	427.7	427.7	427.5	427.2	427.0	426.7
152.5°	434.7	435.1	435.0	434.7	434.3	434.0	433.6
155°	444.7	445.0	445.0	444.5	444.0	443.5	443.1
157.5°	453.2	453.7	453.6	453.0	452.4	451.8	451.1
160°	458.0	458.5	458.5	458.0	457.4	456.9	456.3
162.5°	462.6	463.0	463.1	462.6	462.1	461.6	461.1
165°	468.5	469.1	469.1	468.6	468.1	467.5	467.0
167.5°	473.0	473.6	473.6	473.0	472.5	471.8	471.2
170°	475.6	476.3	476.3	475.6	475.0	474.4	473.7
172.5°	477.3	477.9	477.9	477.2	476.5	475.9	475.2
175°	479.3	479.8	479.8	479.2	478.6	477.9	477.3
177.5°	480.0	480.5	480.5	479.8	479.2	478.6	477.9
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0

(END OF REPORT)