

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: P332434-927

Luminaire Tested: **S123RDIW-S775D755U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332434-927  
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-S775D755U927-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 755 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4807.2 lumens  
Efficiency: N/A  
Efficacy: 106.8 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: General Diffuse

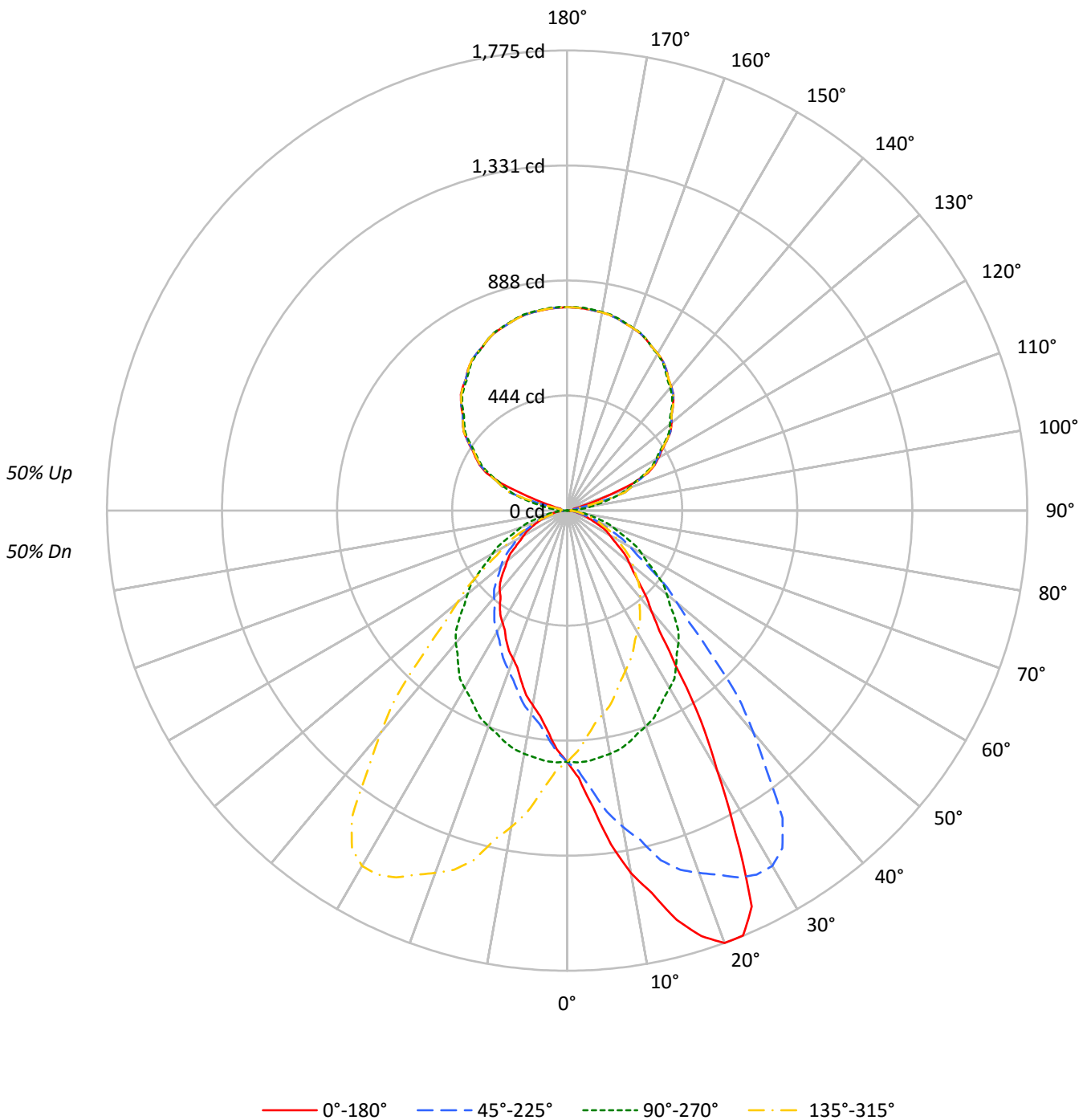
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	72	68	66	62	59	55	52	50	45	44	42	37
3	83	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28
5	70	59	51	45	64	55	48	42	47	42	38	40	36	33	33	30	28	25
6	64	53	45	39	59	49	42	37	43	37	33	36	32	29	30	27	25	22
7	60	48	40	35	55	45	38	33	39	33	29	33	29	26	28	25	22	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	23	20	18
9	52	40	32	28	48	37	31	26	33	27	24	28	24	21	24	21	18	16
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

**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	2.0
10°-20°	297.7	6.2
20°-30°	467.6	9.7
30°-40°	487.9	10.1
40°-50°	417.5	8.7
50°-60°	318.2	6.6
60°-70°	204.0	4.2
70°-80°	98.1	2.0
80°-90°	28.2	0.6
90°-100°	28.5	0.6
100°-110°	136.0	2.8
110°-120°	326.6	6.8
120°-130°	415.9	8.7
130°-140°	444.3	9.2
140°-150°	415.5	8.6
150°-160°	335.2	7.0
160°-170°	216.3	4.5
170°-180°	74.5	1.6
0°-30°	860.6	17.9
0°-40°	1348.4	28.1
0°-60°	2084.2	43.4
0°-90°	2414.5	50.2
90°-120°	491.1	10.2
90°-150°	1766.8	36.8
90°-180°	2393.0	49.8
0°-180°	4807.2	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	17
90°	18	1	18	1	18	8
95°	22	36	22	36	22	19
105°	26	174	26	174	26	59
115°	343	326	343	326	343	317
125°	469	459	469	459	469	419
135°	578	572	578	572	578	445
145°	666	660	666	660	666	416
155°	726	727	726	727	726	335
165°	765	767	765	767	765	216
175°	782	785	782	785	782	74
180°	785	785	785	785	785	



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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°	6.8	7.4	6.7	7.0	7.0	7.2	7.1	7.0	7.5	7.1	7.1
90°	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1	14.5	14.0	12.3
92.5°	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6	15.8	14.9	13.6
95°	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9	19.0	18.1	16.6
97.5°	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8	19.8	18.8	28.1
100°	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3	20.3	19.3	39.5
102.5°	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9	35.2	38.3	60.4
105°	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8	104.7	127.7	139.3
107.5°	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3	217.1	234.0	232.2
110°	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4	258.6	262.9	261.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5	292.4	292.3	290.9
115°	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2	335.9	334.6	333.4
117.5°	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7	376.7	375.7	375.0
120°	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3	403.3	402.2	401.9
122.5°	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2	429.5	428.8	428.3
125°	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8	466.6	466.4	465.8
127.5°	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6	503.1	502.7	502.1
130°	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7	525.1	524.7	524.1
132.5°	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7	546.1	545.7	545.2
135°	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5	578.1	577.7	577.2
137.5°	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8	606.2	605.5	605.3
140°	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8	624.2	623.8	623.4
142.5°	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8	641.4	641.0	640.6
145°	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7	665.4	665.1	664.9
147.5°	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0	686.7	686.4	686.2
150°	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1	699.8	699.5	699.3
152.5°	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6	711.1	710.7	710.6
155°	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6	727.0	726.4	726.2
157.5°	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6	740.8	740.0	740.1
160°	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5	748.7	747.9	748.1
162.5°	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7	755.8	754.9	755.0
165°	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3	765.2	764.2	764.4
167.5°	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7	772.7	771.7	771.7
170°	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9	776.9	775.9	775.9
172.5°	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8	779.7	778.7	778.6
175°	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1	783.2	782.3	782.2
177.5°	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4	784.5	783.7	783.6
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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**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°	7.4	6.7	7.1	6.8	7.5	7.6	9.3	10.8	11.3	10.2	10.5
90°	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6	1.9	3.2	4.4
92.5°	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9	10.5	10.1	9.7
95°	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6	30.3	25.0	19.6
97.5°	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5	69.1	66.7	64.3
100°	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5	101.1	103.7	106.3
102.5°	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3	131.2	133.0	134.9
105°	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7	175.2	176.6	178.0
107.5°	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5	221.7	222.8	224.0
110°	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8	252.9	253.9	254.9





TEST NUMBER: P332434-927

CATALOG NUMBER: S123RDIW-S775D755U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7	282.6	283.5	284.5
115°	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8	326.6	327.4	328.2
117.5°	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7	369.6	370.6	371.5
120°	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2	396.4	397.6	398.7
122.5°	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3	423.3	424.2	425.2
125°	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4	460.4	461.4	462.5
127.5°	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3	496.3	497.3	498.4
130°	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6	518.7	519.8	520.8
132.5°	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1	540.1	541.1	542.2
135°	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9	572.7	573.4	574.2
137.5°	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8	600.8	601.8	602.8
140°	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5	619.2	620.0	620.8
142.5°	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7	636.5	637.3	638.1
145°	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9	660.8	661.7	662.6
147.5°	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6	683.2	683.8	684.4
150°	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6	697.0	697.4	697.8
152.5°	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2	709.4	709.6	709.7
155°	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9	726.7	726.4	726.1
157.5°	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7	740.7	740.6	740.6
160°	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1	748.9	748.8	748.7
162.5°	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0	756.7	756.3	756.0
165°	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6	766.2	765.8	765.4
167.5°	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0	773.5	773.0	772.5
170°	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2	777.7	777.2	776.7
172.5°	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0	780.4	779.7	779.2
175°	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7	783.9	783.3	782.7
177.5°	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5	785.1	784.5	784.0
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332434-927

CATALOG NUMBER: S123RDIW-S775D755U927-4F0-1E-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°	10.5	11.7	12.4	13.1	13.7	13.8	14.2	14.3	14.7	14.8	14.9
90°	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1	15.5	16.1	16.5
92.5°	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6	17.4	18.2	18.7
95°	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9	20.8	21.7	22.2
97.5°	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8	21.9	22.9	23.5
100°	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3	22.3	23.4	24.0
102.5°	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9	28.8	25.5	24.0
105°	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8	58.9	36.0	24.6
107.5°	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3	183.5	166.8	149.7
110°	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4	250.1	245.8	234.4



TEST NUMBER: P332434-927

CATALOG NUMBER: S123RDIW-S775D755U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5	292.6	292.6	290.7
115°	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2	338.5	339.8	340.7
117.5°	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7	378.7	379.8	380.3
120°	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3	405.4	406.4	406.9
122.5°	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2	430.9	431.7	432.1
125°	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8	467.1	467.4	467.6
127.5°	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6	504.0	504.4	504.5
130°	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7	526.2	526.7	526.9
132.5°	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7	547.2	547.7	547.8
135°	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5	578.8	579.2	579.2
137.5°	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8	607.4	608.1	608.2
140°	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8	625.3	625.8	626.0
142.5°	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8	642.2	642.6	642.7
145°	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7	665.9	666.1	666.3
147.5°	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0	687.2	687.5	687.3
150°	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1	700.3	700.5	700.5
152.5°	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6	712.1	712.6	712.5
155°	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6	728.3	729.0	728.9
157.5°	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6	742.3	743.1	743.0
160°	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5	750.3	751.0	751.0
162.5°	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7	757.6	758.4	758.4
165°	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3	767.3	768.3	768.4
167.5°	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7	774.8	775.9	775.9
170°	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9	779.0	780.1	780.1
172.5°	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8	781.8	782.8	782.8
175°	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1	785.1	785.9	785.8
177.5°	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4	786.2	787.0	786.9
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332434-927

CATALOG NUMBER: S123RDIW-S775D755U927-4F0-1E-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°	15.6	15.0	15.1	15.4	15.1	15.0	15.6	14.9	14.8	14.7	14.3
90°	16.7	17.0	17.2	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1
92.5°	18.9	19.0	19.2	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6
95°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9
97.5°	23.6	23.8	23.9	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8
100°	24.1	24.2	24.3	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3
102.5°	24.2	24.5	24.7	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9
105°	24.9	25.1	25.4	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8
107.5°	132.4	115.1	97.8	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3
110°	215.9	197.3	178.8	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4



TEST NUMBER: P332434-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	286.8	282.9	278.9	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5
115°	341.2	341.7	342.2	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2
117.5°	380.5	380.6	380.6	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7
120°	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3
122.5°	432.2	432.3	432.5	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2
125°	467.9	468.2	468.4	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8
127.5°	504.2	503.9	503.7	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6
130°	526.6	526.3	526.1	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7
132.5°	547.4	547.1	546.7	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7
135°	578.8	578.5	578.1	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5
137.5°	608.0	607.7	607.4	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8
140°	625.7	625.4	625.2	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8
142.5°	642.3	642.0	641.6	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8
145°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7
147.5°	686.7	686.1	685.6	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0
150°	700.1	699.7	699.3	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1
152.5°	711.9	711.3	710.7	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6
155°	728.1	727.3	726.5	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6
157.5°	742.0	740.9	740.0	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6
160°	750.0	749.2	748.2	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5
162.5°	757.6	756.9	756.1	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7
165°	767.5	766.6	765.7	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3
167.5°	774.8	773.7	772.7	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7
170°	779.0	777.9	776.9	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9
172.5°	781.6	780.5	779.3	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8
175°	784.8	783.8	782.8	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1
177.5°	785.8	784.8	783.8	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332434-927

CATALOG NUMBER: S123RDIW-S775D755U927-4F0-1E-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°	14.2	13.8	13.7	13.1	12.4	11.7	10.5	10.5	10.2	11.3	10.8
90°	14.5	14.0	12.3	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6
92.5°	15.8	14.9	13.6	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9
95°	19.0	18.1	16.6	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6
97.5°	19.8	18.8	28.1	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5
100°	20.3	19.3	39.5	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5
102.5°	35.2	38.3	60.4	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3
105°	104.7	127.7	139.3	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7
107.5°	217.1	234.0	232.2	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5
110°	258.6	262.9	261.5	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8



TEST NUMBER: P332434-927

CATALOG NUMBER: S123RDIW-S775D755U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	292.4	292.3	290.9	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7
115°	335.9	334.6	333.4	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8
117.5°	376.7	375.7	375.0	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7
120°	403.3	402.2	401.9	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2
122.5°	429.5	428.8	428.3	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3
125°	466.6	466.4	465.8	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4
127.5°	503.1	502.7	502.1	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3
130°	525.1	524.7	524.1	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6
132.5°	546.1	545.7	545.2	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1
135°	578.1	577.7	577.2	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9
137.5°	606.2	605.5	605.3	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8
140°	624.2	623.8	623.4	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5
142.5°	641.4	641.0	640.6	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7
145°	665.4	665.1	664.9	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9
147.5°	686.7	686.4	686.2	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6
150°	699.8	699.5	699.3	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6
152.5°	711.1	710.7	710.6	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2
155°	727.0	726.4	726.2	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9
157.5°	740.8	740.0	740.1	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7
160°	748.7	747.9	748.1	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1
162.5°	755.8	754.9	755.0	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0
165°	765.2	764.2	764.4	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6
167.5°	772.7	771.7	771.7	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0
170°	776.9	775.9	775.9	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2
172.5°	779.7	778.7	778.6	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0
175°	783.2	782.3	782.2	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7
177.5°	784.5	783.7	783.6	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332434-927

CATALOG NUMBER: S123RDIW-S775D755U927-4F0-1E-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°	9.3	7.6	7.5	6.8	7.1	6.7	7.4	7.1	7.1	7.5	7.0
90°	1.9	3.2	4.4	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1
92.5°	10.5	10.1	9.7	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6
95°	30.3	25.0	19.6	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9
97.5°	69.1	66.7	64.3	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8
100°	101.1	103.7	106.3	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3
102.5°	131.2	133.0	134.9	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9
105°	175.2	176.6	178.0	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8
107.5°	221.7	222.8	224.0	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3
110°	252.9	253.9	254.9	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	282.6	283.5	284.5	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5
115°	326.6	327.4	328.2	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2
117.5°	369.6	370.6	371.5	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7
120°	396.4	397.6	398.7	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3
122.5°	423.3	424.2	425.2	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2
125°	460.4	461.4	462.5	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8
127.5°	496.3	497.3	498.4	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6
130°	518.7	519.8	520.8	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7
132.5°	540.1	541.1	542.2	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7
135°	572.7	573.4	574.2	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5
137.5°	600.8	601.8	602.8	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8
140°	619.2	620.0	620.8	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8
142.5°	636.5	637.3	638.1	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8
145°	660.8	661.7	662.6	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7
147.5°	683.2	683.8	684.4	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0
150°	697.0	697.4	697.8	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1
152.5°	709.4	709.6	709.7	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6
155°	726.7	726.4	726.1	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6
157.5°	740.7	740.6	740.6	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6
160°	748.9	748.8	748.7	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5
162.5°	756.7	756.3	756.0	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7
165°	766.2	765.8	765.4	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3
167.5°	773.5	773.0	772.5	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7
170°	777.7	777.2	776.7	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9
172.5°	780.4	779.7	779.2	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8
175°	783.9	783.3	782.7	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1
177.5°	785.1	784.5	784.0	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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**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°	7.1	7.2	7.0	7.0	6.7	7.4	6.8
90°	15.5	16.1	16.5	16.7	17.0	17.2	17.5
92.5°	17.4	18.2	18.7	18.9	19.0	19.2	19.3
95°	20.8	21.7	22.2	22.2	22.2	22.2	22.2
97.5°	21.9	22.9	23.5	23.6	23.8	23.9	24.0
100°	22.3	23.4	24.0	24.1	24.2	24.3	24.5
102.5°	28.8	25.5	24.0	24.2	24.5	24.7	25.0
105°	58.9	36.0	24.6	24.9	25.1	25.4	25.7
107.5°	183.5	166.8	149.7	132.4	115.1	97.8	80.6
110°	250.1	245.8	234.4	215.9	197.3	178.8	160.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	292.6	292.6	290.7	286.8	282.9	278.9	275.0
115°	338.5	339.8	340.7	341.2	341.7	342.2	342.8
117.5°	378.7	379.8	380.3	380.5	380.6	380.6	380.8
120°	405.4	406.4	406.9	406.9	406.9	406.9	406.9
122.5°	430.9	431.7	432.1	432.2	432.3	432.5	432.5
125°	467.1	467.4	467.6	467.9	468.2	468.4	468.7
127.5°	504.0	504.4	504.5	504.2	503.9	503.7	503.4
130°	526.2	526.7	526.9	526.6	526.3	526.1	525.8
132.5°	547.2	547.7	547.8	547.4	547.1	546.7	546.3
135°	578.8	579.2	579.2	578.8	578.5	578.1	577.7
137.5°	607.4	608.1	608.2	608.0	607.7	607.4	607.2
140°	625.3	625.8	626.0	625.7	625.4	625.2	624.9
142.5°	642.2	642.6	642.7	642.3	642.0	641.6	641.2
145°	665.9	666.1	666.3	666.3	666.3	666.3	666.3
147.5°	687.2	687.5	687.3	686.7	686.1	685.6	684.9
150°	700.3	700.5	700.5	700.1	699.7	699.3	698.9
152.5°	712.1	712.6	712.5	711.9	711.3	710.7	710.1
155°	728.3	729.0	728.9	728.1	727.3	726.5	725.7
157.5°	742.3	743.1	743.0	742.0	740.9	740.0	738.9
160°	750.3	751.0	751.0	750.0	749.2	748.2	747.3
162.5°	757.6	758.4	758.4	757.6	756.9	756.1	755.3
165°	767.3	768.3	768.4	767.5	766.6	765.7	764.8
167.5°	774.8	775.9	775.9	774.8	773.7	772.7	771.7
170°	779.0	780.1	780.1	779.0	777.9	776.9	775.9
172.5°	781.8	782.8	782.8	781.6	780.5	779.3	778.2
175°	785.1	785.9	785.8	784.8	783.8	782.8	781.7
177.5°	786.2	787.0	786.9	785.8	784.8	783.8	782.8
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7

(END OF REPORT)