

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

Luminaire Tested: **S123RDIW-S775D755U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332434  
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-S775D755U835-4F0-1E-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: 6068.4 lumens  
Efficiency: N/A  
Efficacy: 134.9 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

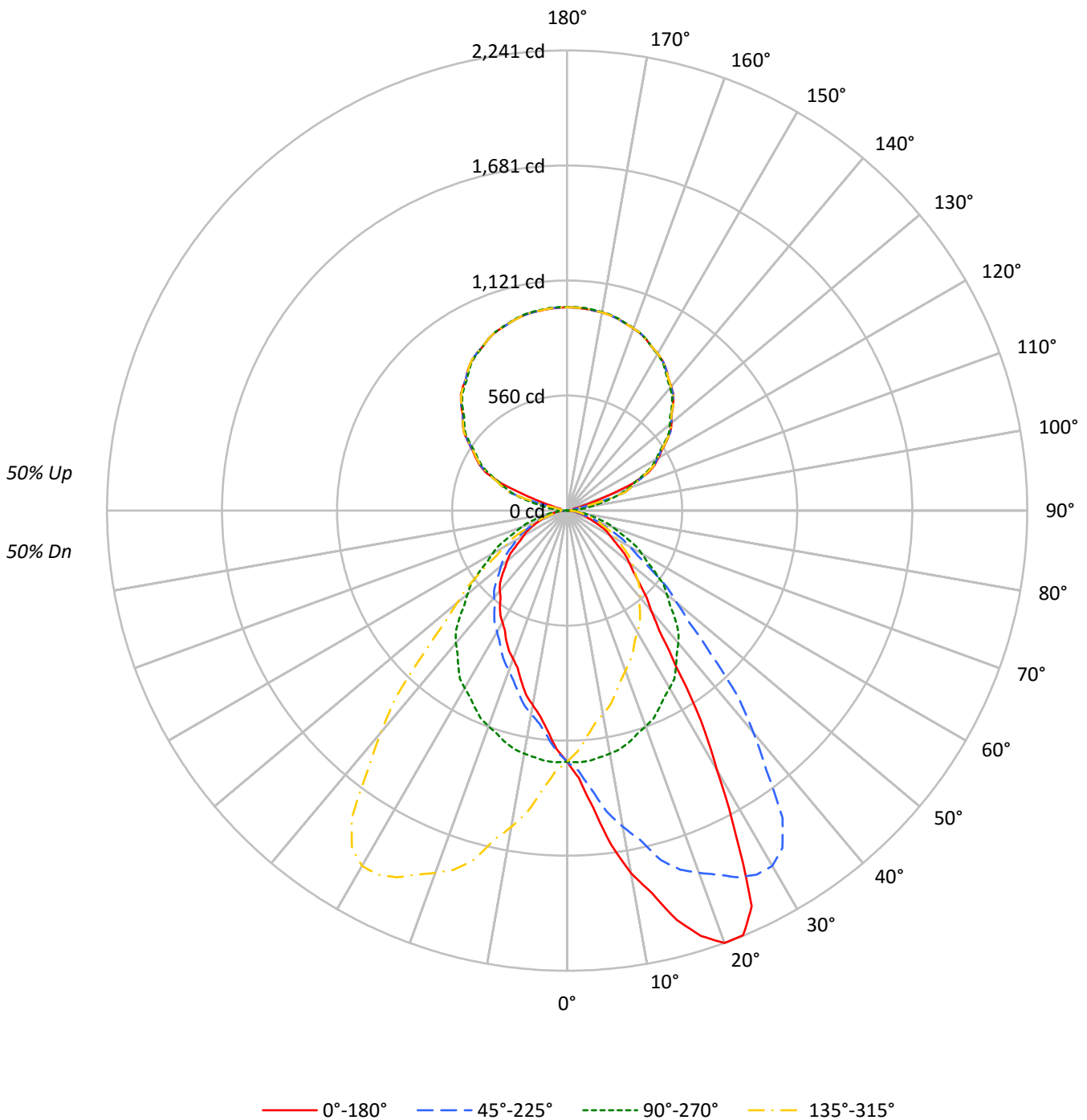
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	13164	13164	13164	13164
5°	15692	13220	11642	13220
10°	19593	13144	10518	13144
15°	22998	13010	9591	13010
20°	25668	12810	8804	12810
25°	25258	12598	8320	12598
30°	18155	12403	7822	12403
35°	12122	12150	7499	12150
40°	8931	11844	7165	11844
45°	7491	11309	6838	11309
50°	6611	10608	6382	10608
55°	5797	9805	5758	9805
60°	5162	9040	5274	9040
65°	4534	8214	4908	8214
70°	3559	7481	4482	7481
75°	3136	6534	4092	6534
80°	2727	5548	4023	5548
85°	2198	4458	4273	4458



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.3	2.0
10°-20°	375.7	6.2
20°-30°	590.3	9.7
30°-40°	615.9	10.1
40°-50°	527.1	8.7
50°-60°	401.7	6.6
60°-70°	257.5	4.2
70°-80°	123.9	2.0
80°-90°	35.6	0.6
90°-100°	36.0	0.6
100°-110°	171.6	2.8
110°-120°	412.3	6.8
120°-130°	525.0	8.7
130°-140°	560.9	9.2
140°-150°	524.5	8.6
150°-160°	423.1	7.0
160°-170°	273.1	4.5
170°-180°	94.1	1.6
0°-30°	1086.3	17.9
0°-40°	1702.2	28.1
0°-60°	2631.0	43.4
0°-90°	3047.9	50.2
90°-120°	619.9	10.2
90°-150°	2230.2	36.8
90°-180°	3020.0	49.8
0°-180°	6068.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1223	1223	1223	1223	1223	
5°	1452	1224	1078	1224	1452	150
15°	2064	1168	861	1168	2064	585
25°	2127	1061	700	1061	2127	914
35°	922	925	571	925	922	605
45°	492	743	449	743	492	387
55°	309	522	307	522	309	279
65°	178	322	193	322	178	175
75°	75	157	98	157	75	81
85°	18	36	35	36	18	21
90°	22	1	22	1	22	11
95°	28	45	28	45	28	23
105°	32	219	32	219	32	74
115°	433	411	433	411	433	400
125°	592	580	592	580	592	528
135°	729	722	729	722	729	562
145°	841	833	841	833	841	525
155°	916	918	916	918	916	422
165°	965	968	965	968	965	273
175°	987	990	987	990	987	94
180°	990	990	990	990	990	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1302.6	1304.3	1298.8	1298.0	1291.7	1290.0	1290.0	1281.2	1275.8	1268.7	1264.5
5°	1452.3	1460.7	1456.5	1447.1	1431.4	1427.7	1417.8	1402.1	1384.3	1362.3	1351.8
7.5°	1639.3	1650.8	1646.4	1631.8	1615.4	1602.1	1574.0	1547.9	1511.4	1479.3	1451.9
10°	1792.6	1780.6	1771.2	1757.0	1741.9	1717.2	1687.9	1647.6	1601.0	1564.4	1523.5
12.5°	1907.4	1905.4	1893.5	1878.9	1857.5	1834.1	1798.1	1749.0	1694.8	1641.9	1595.2
15°	2063.8	2067.0	2059.1	2043.9	2013.6	1972.2	1917.8	1897.3	1819.9	1762.3	1704.7
17.5°	2172.1	2171.5	2170.4	2149.4	2118.4	2089.0	2038.5	1984.8	1914.6	1833.5	1755.9
20°	2240.8	2235.6	2236.6	2213.0	2190.0	2156.0	2106.8	2028.8	1971.2	1877.5	1797.3
22.5°	2239.1	2238.1	2242.1	2234.0	2217.2	2191.2	2152.4	2086.6	2013.1	1918.5	1828.3
25°	2126.7	2122.5	2147.1	2153.9	2180.6	2185.3	2173.8	2137.7	2068.0	1970.6	1859.1
27.5°	1779.9	1777.6	1823.2	1880.4	1952.8	2009.2	2063.6	2089.9	2068.0	1998.3	1886.6
30°	1460.7	1509.9	1533.0	1615.7	1707.8	1817.8	1914.1	2005.7	2028.2	1997.9	1906.2
32.5°	1212.8	1255.7	1274.9	1345.9	1431.8	1560.6	1705.1	1834.8	1926.5	1949.7	1894.5
35°	922.5	923.0	967.0	998.4	1078.0	1210.4	1350.8	1524.6	1697.3	1828.2	1841.8
37.5°	736.1	738.7	765.3	796.6	856.3	926.4	1049.9	1194.4	1394.0	1594.9	1712.7
40°	635.6	640.3	660.2	691.1	734.0	786.9	883.2	1019.4	1185.8	1409.4	1592.1
42.5°	571.1	578.7	589.0	612.8	639.4	688.9	766.8	871.9	1023.3	1234.7	1445.5
45°	492.1	496.3	504.2	515.2	539.3	573.8	626.2	696.8	822.5	992.7	1203.6
47.5°	434.1	431.9	440.2	449.1	465.1	488.7	523.8	581.5	671.1	807.6	986.6
50°	394.8	394.2	400.0	406.8	422.0	439.3	468.1	511.5	582.7	695.8	859.7
52.5°	357.9	359.9	364.0	372.5	383.4	397.4	423.2	454.5	515.7	613.3	749.9
55°	308.9	310.5	316.2	320.9	328.8	342.9	359.2	385.3	427.2	495.3	607.8
57.5°	267.4	266.7	272.2	273.4	282.3	293.8	306.4	326.7	357.1	407.6	483.4
60°	239.8	238.2	242.9	246.6	251.3	260.7	271.2	291.1	315.2	352.3	417.3
62.5°	214.7	213.9	217.4	221.0	224.9	233.5	242.3	257.6	276.6	308.0	359.5
65°	178.0	179.6	181.1	182.7	184.8	190.0	198.4	208.9	222.0	244.0	281.1
67.5°	139.9	141.5	142.0	145.2	149.7	153.0	158.1	167.4	176.5	195.1	216.2
70°	113.1	112.6	113.1	114.7	120.4	126.2	133.0	139.8	145.5	158.6	176.4
72.5°	97.2	96.2	97.6	97.9	100.7	102.3	106.6	113.0	120.4	129.3	142.1
75°	75.4	75.4	75.4	75.4	77.5	78.5	80.1	81.7	84.3	88.5	97.9
77.5°	55.7	55.8	56.5	57.1	57.5	58.1	59.1	60.6	61.6	63.8	67.9
80°	44.0	44.5	44.0	44.5	44.5	45.5	46.1	47.6	48.2	50.8	52.4
82.5°	33.1	32.8	33.1	33.6	33.6	34.7	34.8	35.9	36.0	37.4	39.0
85°	17.8	16.8	17.8	17.3	18.3	17.3	17.8	18.8	18.8	19.4	21.5
87.5°	8.6	9.4	8.5	8.8	8.8	9.1	9.0	8.8	9.5	9.0	9.0
90°	22.1	21.7	21.4	21.1	20.8	20.3	19.6	19.0	18.3	17.7	15.5
92.5°	24.4	24.2	24.0	23.8	23.6	23.0	22.0	20.9	19.9	18.8	17.2
95°	28.0	28.0	28.0	28.0	28.0	27.4	26.2	25.1	24.0	22.8	21.0
97.5°	30.3	30.2	30.0	29.8	29.7	28.9	27.6	26.3	25.0	23.7	35.5
100°	30.9	30.7	30.6	30.4	30.3	29.5	28.2	26.9	25.6	24.3	49.8
102.5°	31.5	31.2	30.9	30.6	30.3	32.2	36.3	40.3	44.4	48.4	76.3
105°	32.4	32.1	31.7	31.4	31.1	45.4	74.3	103.3	132.2	161.2	175.9
107.5°	101.7	123.5	145.3	167.1	189.0	210.5	231.7	252.9	274.1	295.4	293.1
110°	202.4	225.7	249.1	272.5	295.9	310.3	315.7	321.1	326.5	331.9	330.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	347.2	352.1	357.1	362.0	366.9	369.4	369.3	369.2	369.1	369.0	367.2
115°	432.7	432.0	431.4	430.7	430.1	428.9	427.3	425.7	424.0	422.4	420.9
117.5°	480.7	480.5	480.4	480.3	480.1	479.4	478.1	476.8	475.5	474.2	473.4
120°	513.6	513.6	513.6	513.6	513.6	513.0	511.7	510.4	509.1	507.7	507.3
122.5°	546.0	545.9	545.7	545.6	545.5	545.0	544.0	543.1	542.2	541.3	540.7
125°	591.6	591.3	591.0	590.7	590.3	590.0	589.7	589.3	589.0	588.7	588.0
127.5°	635.5	635.8	636.1	636.5	636.8	636.7	636.2	635.7	635.1	634.6	633.8
130°	663.7	664.1	664.4	664.7	665.1	664.9	664.2	663.6	662.9	662.3	661.6
132.5°	689.6	690.1	690.6	691.0	691.5	691.4	690.7	690.1	689.4	688.8	688.2
135°	729.2	729.7	730.2	730.7	731.2	731.2	730.7	730.2	729.7	729.2	728.6
137.5°	766.5	766.8	767.1	767.5	767.8	767.6	766.8	766.0	765.2	764.4	764.1
140°	788.8	789.2	789.5	789.8	790.2	790.0	789.3	788.7	788.0	787.4	786.9
142.5°	809.4	809.9	810.4	810.8	811.3	811.2	810.7	810.2	809.7	809.2	808.7
145°	841.1	841.1	841.1	841.1	841.1	840.9	840.6	840.3	839.9	839.6	839.3
147.5°	864.6	865.4	866.1	866.9	867.6	867.9	867.5	867.2	866.9	866.5	866.2
150°	882.3	882.8	883.3	883.8	884.3	884.3	884.0	883.7	883.4	883.0	882.7
152.5°	896.4	897.2	897.9	898.7	899.4	899.5	898.9	898.3	897.7	897.2	897.0
155°	916.1	917.1	918.1	919.1	920.1	920.2	919.3	918.5	917.7	916.9	916.7
157.5°	932.8	934.1	935.3	936.6	937.9	938.0	937.0	936.1	935.1	934.1	934.3
160°	943.4	944.5	945.7	946.8	948.0	948.0	947.1	946.1	945.1	944.1	944.3
162.5°	953.4	954.4	955.4	956.4	957.4	957.4	956.3	955.2	954.1	952.9	953.1
165°	965.4	966.6	967.7	968.9	970.0	969.9	968.6	967.3	966.0	964.7	964.9
167.5°	974.1	975.4	976.7	978.1	979.4	979.4	978.1	976.7	975.4	974.1	974.1
170°	979.4	980.7	982.0	983.4	984.7	984.7	983.4	982.0	980.7	979.4	979.4
172.5°	982.4	983.8	985.3	986.7	988.1	988.2	986.9	985.6	984.3	983.0	982.8
175°	986.8	988.1	989.4	990.7	992.0	992.1	991.0	989.8	988.7	987.5	987.4
177.5°	988.1	989.4	990.7	992.0	993.3	993.5	992.4	991.4	990.3	989.3	989.2
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1262.8	1261.5	1255.7	1249.0	1240.2	1234.3	1229.7	1227.2	1219.7	1210.4	1204.2
5°	1340.8	1325.1	1308.4	1287.9	1269.1	1249.7	1237.7	1223.5	1206.3	1186.9	1173.3
7.5°	1424.4	1393.6	1360.4	1326.2	1292.3	1262.0	1235.2	1212.2	1184.7	1156.9	1137.5
10°	1488.5	1443.4	1396.8	1349.2	1305.7	1264.9	1233.5	1202.6	1169.6	1137.7	1113.6
12.5°	1546.7	1487.4	1433.7	1375.2	1319.6	1270.8	1225.5	1189.2	1149.5	1115.5	1088.0
15°	1620.4	1559.7	1494.7	1405.7	1331.9	1270.1	1215.2	1167.5	1119.4	1077.5	1050.8
17.5°	1689.3	1597.9	1510.7	1436.4	1340.5	1263.3	1196.2	1139.2	1086.4	1042.0	1009.1
20°	1717.8	1629.3	1534.5	1439.8	1345.5	1259.1	1181.1	1118.3	1063.3	1013.1	982.7
22.5°	1734.9	1634.7	1534.9	1433.1	1333.0	1243.2	1166.1	1096.9	1037.4	989.6	952.1
25°	1754.9	1635.6	1525.6	1425.1	1323.0	1225.6	1134.0	1060.7	996.3	945.5	905.7
27.5°	1768.1	1627.7	1497.8	1386.0	1282.5	1185.5	1101.5	1023.9	958.5	904.8	862.1
30°	1770.6	1621.4	1476.4	1355.5	1250.2	1161.2	1072.2	997.9	928.8	871.7	831.9
32.5°	1774.0	1605.9	1447.5	1319.0	1211.3	1123.1	1042.5	971.5	900.7	844.5	803.9
35°	1760.2	1597.4	1403.6	1256.0	1148.1	1062.8	990.0	924.6	855.0	800.5	759.1
37.5°	1700.7	1563.3	1358.2	1185.0	1072.2	993.2	933.9	876.8	813.0	754.2	715.3
40°	1640.8	1529.8	1323.0	1141.9	1024.1	942.9	889.5	842.9	781.1	726.2	684.3
42.5°	1551.6	1484.2	1289.5	1096.6	969.6	891.4	846.4	802.7	748.5	692.7	653.3
45°	1387.9	1396.8	1220.9	1024.6	894.2	815.7	773.3	742.9	694.8	648.7	608.4
47.5°	1182.7	1265.9	1140.4	947.8	814.7	741.0	704.0	677.5	645.0	599.8	563.0
50°	1048.7	1167.5	1075.9	896.3	764.9	691.6	655.0	633.5	605.2	569.6	534.5
52.5°	925.1	1052.8	998.0	838.9	710.9	643.9	608.1	590.4	567.9	534.4	502.7
55°	754.4	883.8	871.2	752.3	629.8	569.6	542.4	522.5	507.3	482.2	457.1
57.5°	610.3	732.9	739.4	656.0	558.4	498.9	475.5	460.5	450.6	431.6	408.4
60°	519.4	631.9	653.9	591.1	507.3	455.0	431.9	419.9	412.0	396.9	379.1
62.5°	444.0	539.8	564.7	519.5	458.3	409.3	391.3	379.7	374.3	361.2	345.5
65°	339.8	419.4	443.4	418.3	386.4	347.1	332.5	322.5	317.8	310.5	298.9
67.5°	255.5	313.5	339.9	322.2	310.7	285.9	276.5	271.2	267.0	262.0	252.4
70°	205.2	248.2	275.4	270.7	261.3	248.2	241.4	237.7	233.5	229.3	220.9
72.5°	165.0	194.6	220.1	222.5	214.8	212.1	206.2	204.6	202.1	197.1	192.5
75°	109.4	129.8	147.6	154.4	157.6	160.2	157.6	157.1	156.5	152.4	149.7
77.5°	71.7	82.7	93.9	105.5	110.5	114.0	114.9	116.8	115.4	113.2	111.9
80°	55.0	57.6	65.4	75.4	83.2	86.4	88.5	89.5	89.0	88.5	86.4
82.5°	39.9	42.1	45.8	52.8	59.4	64.6	65.9	65.7	66.8	67.1	65.4
85°	21.5	22.0	23.0	24.1	27.7	33.5	35.1	36.1	37.2	37.2	34.0
87.5°	9.4	8.5	9.0	8.6	9.5	9.6	11.8	13.6	14.3	12.9	13.3
90°	13.4	11.3	9.2	7.3	5.6	4.0	2.4	0.7	2.4	4.0	5.6
92.5°	15.6	14.0	12.4	11.9	12.3	12.8	13.2	13.7	13.2	12.8	12.3
95°	19.2	17.4	15.6	18.1	24.8	31.5	38.2	44.9	38.2	31.5	24.8
97.5°	47.2	59.0	70.8	78.2	81.2	84.2	87.2	90.2	87.2	84.2	81.2
100°	75.3	100.8	126.3	137.4	134.2	130.9	127.6	124.4	127.6	130.9	134.2
102.5°	104.1	132.0	159.9	172.6	170.3	167.9	165.6	163.2	165.6	167.9	170.3
105°	190.6	205.3	220.0	226.5	224.7	222.9	221.1	219.3	221.1	222.9	224.7
107.5°	290.7	288.4	286.1	284.2	282.8	281.3	279.9	278.4	279.9	281.3	282.8
110°	328.3	326.5	324.7	323.1	321.8	320.5	319.2	317.9	319.2	320.5	321.8





TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	365.4	363.6	361.8	360.3	359.1	357.9	356.7	355.6	356.7	357.9	359.1
115°	419.4	418.0	416.5	415.3	414.3	413.3	412.3	411.3	412.3	413.3	414.3
117.5°	472.7	471.9	471.2	470.2	469.0	467.8	466.6	465.4	466.6	467.8	469.0
120°	506.8	506.3	505.8	504.8	503.3	501.9	500.4	498.9	500.4	501.9	503.3
122.5°	540.1	539.4	538.8	537.9	536.7	535.5	534.3	533.1	534.3	535.5	536.7
125°	587.4	586.7	586.1	585.1	583.8	582.5	581.2	579.9	581.2	582.5	583.8
127.5°	633.0	632.3	631.5	630.4	629.1	627.8	626.5	625.2	626.5	627.8	629.1
130°	661.0	660.3	659.7	658.7	657.4	656.1	654.8	653.4	654.8	656.1	657.4
132.5°	687.7	687.2	686.7	685.8	684.4	683.1	681.8	680.5	681.8	683.1	684.4
135°	727.9	727.3	726.6	725.8	724.8	723.8	722.9	721.9	722.9	723.8	724.8
137.5°	763.7	763.3	763.0	762.2	760.9	759.7	758.4	757.2	758.4	759.7	760.9
140°	786.4	785.9	785.4	784.7	783.7	782.7	781.7	780.7	781.7	782.7	783.7
142.5°	808.2	807.7	807.2	806.5	805.5	804.5	803.5	802.5	803.5	804.5	805.5
145°	839.0	838.6	838.3	837.6	836.4	835.3	834.1	833.0	834.1	835.3	836.4
147.5°	865.9	865.6	865.2	864.7	863.9	863.2	862.4	861.7	862.4	863.2	863.9
150°	882.4	882.1	881.7	881.3	880.8	880.3	879.8	879.4	879.8	880.3	880.8
152.5°	896.8	896.6	896.4	896.2	895.9	895.7	895.5	895.2	895.5	895.7	895.9
155°	916.6	916.4	916.2	916.3	916.6	917.0	917.3	917.6	917.3	917.0	916.6
157.5°	934.4	934.6	934.8	934.9	934.9	934.9	935.0	935.0	935.0	934.9	934.9
160°	944.4	944.6	944.8	944.9	945.1	945.3	945.4	945.6	945.4	945.3	945.1
162.5°	953.3	953.4	953.6	953.9	954.3	954.7	955.2	955.6	955.2	954.7	954.3
165°	965.0	965.2	965.4	965.7	966.2	966.7	967.2	967.7	967.2	966.7	966.2
167.5°	974.1	974.1	974.1	974.5	975.1	975.8	976.4	977.1	976.4	975.8	975.1
170°	979.4	979.4	979.4	979.8	980.4	981.1	981.7	982.4	981.7	981.1	980.4
172.5°	982.7	982.6	982.4	982.8	983.6	984.3	985.1	985.9	985.1	984.3	983.6
175°	987.2	987.0	986.9	987.2	988.0	988.8	989.6	990.5	989.6	988.8	988.0
177.5°	989.0	988.9	988.8	989.0	989.7	990.3	991.0	991.6	991.0	990.3	989.7
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1202.1	1196.6	1192.9	1184.5	1179.0	1173.2	1167.3	1171.1	1170.7	1170.2	1170.2
5°	1161.8	1149.7	1138.7	1124.6	1115.7	1104.7	1096.3	1095.3	1097.4	1090.0	1085.8
7.5°	1121.8	1105.3	1089.7	1074.1	1057.6	1044.4	1036.1	1032.2	1026.9	1022.4	1017.7
10°	1093.7	1074.3	1059.1	1039.8	1022.0	1006.3	996.3	989.5	985.8	982.2	975.4
12.5°	1064.8	1045.8	1026.5	1004.6	987.6	969.4	962.0	954.3	947.3	943.2	933.9
15°	1022.5	997.9	977.5	954.4	935.6	917.8	907.3	892.1	890.0	884.8	875.4
17.5°	980.1	953.4	925.2	908.2	886.9	868.4	852.4	847.3	832.3	826.7	818.5
20°	946.6	922.0	900.5	878.0	847.1	829.8	817.3	810.5	798.4	791.1	785.8
22.5°	917.7	892.7	867.8	841.6	816.1	796.7	787.5	776.9	770.4	760.1	754.4
25°	876.4	849.2	819.4	791.1	772.8	758.1	743.4	734.0	724.6	719.9	709.4
27.5°	828.5	800.0	772.1	750.7	728.2	713.7	700.4	692.0	680.7	672.8	667.0
30°	802.1	768.6	744.5	725.1	696.3	682.7	672.8	662.3	653.9	645.5	639.8
32.5°	771.5	740.9	718.1	694.1	672.0	657.2	644.3	635.1	627.9	620.0	614.2
35°	723.5	697.9	674.3	650.2	634.0	618.8	603.7	595.8	589.0	581.7	576.4
37.5°	680.2	656.2	633.8	611.0	590.9	578.5	566.3	560.3	551.1	546.2	540.8
40°	653.4	629.8	605.7	583.8	562.8	553.4	542.4	533.5	525.1	521.5	515.7
42.5°	624.1	600.5	580.2	556.5	539.4	526.6	516.4	506.7	500.4	495.1	491.8
45°	580.6	559.7	539.8	516.2	500.0	489.0	477.5	468.6	462.8	459.2	453.4
47.5°	538.4	517.5	497.3	476.7	461.0	448.5	437.0	430.8	423.1	418.6	414.8
50°	507.8	489.0	467.5	448.7	433.0	420.4	411.0	403.1	396.3	390.6	388.0
52.5°	479.8	459.7	441.1	423.6	407.0	392.8	384.2	375.9	370.8	364.2	361.1
55°	433.5	414.1	398.4	381.1	364.9	352.9	342.4	335.1	329.8	322.5	318.3
57.5°	390.0	372.7	353.9	338.9	322.2	312.0	303.3	293.4	287.0	281.3	277.2
60°	360.7	340.8	324.6	310.5	295.8	282.7	274.9	267.0	260.2	254.4	250.8
62.5°	330.2	312.8	297.4	282.0	268.6	257.2	248.1	241.5	235.5	231.8	228.2
65°	283.2	269.6	253.9	241.4	228.8	220.4	213.1	207.3	203.1	200.5	197.4
67.5°	240.1	226.9	213.2	200.8	192.5	186.1	181.3	176.3	174.2	170.9	168.8
70°	212.0	198.4	186.4	177.0	168.6	163.9	160.7	157.1	155.0	150.8	148.7
72.5°	181.5	171.6	162.9	155.2	148.5	144.2	140.2	135.7	132.4	127.7	125.7
75°	142.9	134.0	127.2	122.0	117.8	112.0	106.3	101.6	100.0	98.4	97.9
77.5°	105.9	100.2	95.3	90.9	85.7	81.5	80.2	79.2	78.8	78.0	78.0
80°	83.2	78.0	74.3	69.1	66.0	66.0	66.0	64.9	65.4	65.4	65.4
82.5°	61.9	57.1	55.1	53.2	52.6	53.0	53.0	53.2	52.9	53.7	53.3
85°	31.9	32.5	33.5	33.0	33.5	33.5	34.6	34.0	34.6	33.5	34.6
87.5°	13.2	14.8	15.7	16.5	17.3	17.4	17.9	18.0	18.6	18.7	18.8
90°	7.3	9.2	11.3	13.4	15.5	17.7	18.3	19.0	19.6	20.3	20.8
92.5°	11.9	12.4	14.0	15.6	17.2	18.8	19.9	20.9	22.0	23.0	23.6
95°	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.1	26.2	27.4	28.0
97.5°	78.2	70.8	59.0	47.2	35.5	23.7	25.0	26.3	27.6	28.9	29.7
100°	137.4	126.3	100.8	75.3	49.8	24.3	25.6	26.9	28.2	29.5	30.3
102.5°	172.6	159.9	132.0	104.1	76.3	48.4	44.4	40.3	36.3	32.2	30.3
105°	226.5	220.0	205.3	190.6	175.9	161.2	132.2	103.3	74.3	45.4	31.1
107.5°	284.2	286.1	288.4	290.7	293.1	295.4	274.1	252.9	231.7	210.5	189.0
110°	323.1	324.7	326.5	328.3	330.1	331.9	326.5	321.1	315.7	310.3	295.9



TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	360.3	361.8	363.6	365.4	367.2	369.0	369.1	369.2	369.3	369.4	366.9
115°	415.3	416.5	418.0	419.4	420.9	422.4	424.0	425.7	427.3	428.9	430.1
117.5°	470.2	471.2	471.9	472.7	473.4	474.2	475.5	476.8	478.1	479.4	480.1
120°	504.8	505.8	506.3	506.8	507.3	507.7	509.1	510.4	511.7	513.0	513.6
122.5°	537.9	538.8	539.4	540.1	540.7	541.3	542.2	543.1	544.0	545.0	545.5
125°	585.1	586.1	586.7	587.4	588.0	588.7	589.0	589.3	589.7	590.0	590.3
127.5°	630.4	631.5	632.3	633.0	633.8	634.6	635.1	635.7	636.2	636.7	636.8
130°	658.7	659.7	660.3	661.0	661.6	662.3	662.9	663.6	664.2	664.9	665.1
132.5°	685.8	686.7	687.2	687.7	688.2	688.8	689.4	690.1	690.7	691.4	691.5
135°	725.8	726.6	727.3	727.9	728.6	729.2	729.7	730.2	730.7	731.2	731.2
137.5°	762.2	763.0	763.3	763.7	764.1	764.4	765.2	766.0	766.8	767.6	767.8
140°	784.7	785.4	785.9	786.4	786.9	787.4	788.0	788.7	789.3	790.0	790.2
142.5°	806.5	807.2	807.7	808.2	808.7	809.2	809.7	810.2	810.7	811.2	811.3
145°	837.6	838.3	838.6	839.0	839.3	839.6	839.9	840.3	840.6	840.9	841.1
147.5°	864.7	865.2	865.6	865.9	866.2	866.5	866.9	867.2	867.5	867.9	867.6
150°	881.3	881.7	882.1	882.4	882.7	883.0	883.4	883.7	884.0	884.3	884.3
152.5°	896.2	896.4	896.6	896.8	897.0	897.2	897.7	898.3	898.9	899.5	899.4
155°	916.3	916.2	916.4	916.6	916.7	916.9	917.7	918.5	919.3	920.2	920.1
157.5°	934.9	934.8	934.6	934.4	934.3	934.1	935.1	936.1	937.0	938.0	937.9
160°	944.9	944.8	944.6	944.4	944.3	944.1	945.1	946.1	947.1	948.0	948.0
162.5°	953.9	953.6	953.4	953.3	953.1	952.9	954.1	955.2	956.3	957.4	957.4
165°	965.7	965.4	965.2	965.0	964.9	964.7	966.0	967.3	968.6	969.9	970.0
167.5°	974.5	974.1	974.1	974.1	974.1	974.1	975.4	976.7	978.1	979.4	979.4
170°	979.8	979.4	979.4	979.4	979.4	979.4	980.7	982.0	983.4	984.7	984.7
172.5°	982.8	982.4	982.6	982.7	982.8	983.0	984.3	985.6	986.9	988.2	988.1
175°	987.2	986.9	987.0	987.2	987.4	987.5	988.7	989.8	991.0	992.1	992.0
177.5°	989.0	988.8	988.9	989.0	989.2	989.3	990.3	991.4	992.4	993.5	993.3
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1165.2	1164.8	1165.2	1163.5	1165.2	1164.8	1165.2	1170.2	1170.2	1170.7	1171.1
5°	1084.3	1083.7	1082.2	1077.5	1082.2	1083.7	1084.3	1085.8	1090.0	1097.4	1095.3
7.5°	1013.6	1012.9	1008.3	1008.4	1008.3	1012.9	1013.6	1017.7	1022.4	1026.9	1032.2
10°	971.7	972.2	966.0	962.3	966.0	972.2	971.7	975.4	982.2	985.8	989.5
12.5°	931.1	928.7	923.6	919.6	923.6	928.7	931.1	933.9	943.2	947.3	954.3
15°	877.5	872.2	859.7	860.7	859.7	872.2	877.5	875.4	884.8	890.0	892.1
17.5°	814.3	810.5	810.2	802.9	810.2	810.5	814.3	818.5	826.7	832.3	847.3
20°	777.5	774.9	775.9	768.6	775.9	774.9	777.5	785.8	791.1	798.4	810.5
22.5°	748.6	746.0	741.6	739.3	741.6	746.0	748.6	754.4	760.1	770.4	776.9
25°	706.3	702.1	697.9	700.5	697.9	702.1	706.3	709.4	719.9	724.6	734.0
27.5°	664.0	660.8	656.6	656.1	656.6	660.8	664.0	667.0	672.8	680.7	692.0
30°	637.2	634.0	631.9	629.3	631.9	634.0	637.2	639.8	645.5	653.9	662.3
32.5°	609.9	609.3	605.5	605.0	605.5	609.3	609.9	614.2	620.0	627.9	635.1
35°	574.3	571.2	570.1	570.7	570.1	571.2	574.3	576.4	581.7	589.0	595.8
37.5°	540.5	536.3	534.4	532.6	534.4	536.3	540.5	540.8	546.2	551.1	560.3
40°	516.2	512.0	511.0	509.9	511.0	512.0	516.2	515.7	521.5	525.1	533.5
42.5°	489.0	487.3	486.7	484.8	486.7	487.3	489.0	491.8	495.1	500.4	506.7
45°	451.8	451.3	448.2	449.2	448.2	451.3	451.8	453.4	459.2	462.8	468.6
47.5°	412.7	410.4	408.2	409.6	408.2	410.4	412.7	414.8	418.6	423.1	430.8
50°	385.9	384.8	380.1	381.1	380.1	384.8	385.9	388.0	390.6	396.3	403.1
52.5°	359.1	355.1	353.3	352.7	353.3	355.1	359.1	361.1	364.2	370.8	375.9
55°	314.7	309.9	307.8	306.8	307.8	309.9	314.7	318.3	322.5	329.8	335.1
57.5°	271.1	269.8	268.2	269.3	268.2	269.8	271.1	277.2	281.3	287.0	293.4
60°	245.5	245.5	245.5	245.0	245.5	245.5	245.5	250.8	254.4	260.2	267.0
62.5°	225.9	224.6	224.2	224.9	224.2	224.6	225.9	228.2	231.8	235.5	241.5
65°	195.8	195.3	193.2	192.7	193.2	195.3	195.8	197.4	200.5	203.1	207.3
67.5°	167.4	165.5	164.9	164.2	164.9	165.5	167.4	168.8	170.9	174.2	176.3
70°	146.1	145.0	141.9	142.4	141.9	145.0	146.1	148.7	150.8	155.0	157.1
72.5°	123.0	122.0	121.4	120.6	121.4	122.0	123.0	125.7	127.7	132.4	135.7
75°	97.4	96.9	96.3	98.4	96.3	96.9	97.4	97.9	98.4	100.0	101.6
77.5°	78.0	78.0	78.3	77.5	78.3	78.0	78.0	78.0	78.0	78.8	79.2
80°	65.4	65.4	64.9	64.9	64.9	65.4	65.4	65.4	65.4	65.4	64.9
82.5°	52.5	52.9	53.2	52.4	53.2	52.9	52.5	53.3	53.7	52.9	53.2
85°	34.6	34.0	35.1	34.6	35.1	34.0	34.6	34.6	33.5	34.6	34.0
87.5°	19.7	18.9	19.0	19.5	19.0	18.9	19.7	18.8	18.7	18.6	18.0
90°	21.1	21.4	21.7	22.1	21.7	21.4	21.1	20.8	20.3	19.6	19.0
92.5°	23.8	24.0	24.2	24.4	24.2	24.0	23.8	23.6	23.0	22.0	20.9
95°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.4	26.2	25.1
97.5°	29.8	30.0	30.2	30.3	30.2	30.0	29.8	29.7	28.9	27.6	26.3
100°	30.4	30.6	30.7	30.9	30.7	30.6	30.4	30.3	29.5	28.2	26.9
102.5°	30.6	30.9	31.2	31.5	31.2	30.9	30.6	30.3	32.2	36.3	40.3
105°	31.4	31.7	32.1	32.4	32.1	31.7	31.4	31.1	45.4	74.3	103.3
107.5°	167.1	145.3	123.5	101.7	123.5	145.3	167.1	189.0	210.5	231.7	252.9
110°	272.5	249.1	225.7	202.4	225.7	249.1	272.5	295.9	310.3	315.7	321.1



TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	362.0	357.1	352.1	347.2	352.1	357.1	362.0	366.9	369.4	369.3	369.2
115°	430.7	431.4	432.0	432.7	432.0	431.4	430.7	430.1	428.9	427.3	425.7
117.5°	480.3	480.4	480.5	480.7	480.5	480.4	480.3	480.1	479.4	478.1	476.8
120°	513.6	513.6	513.6	513.6	513.6	513.6	513.6	513.6	513.0	511.7	510.4
122.5°	545.6	545.7	545.9	546.0	545.9	545.7	545.6	545.5	545.0	544.0	543.1
125°	590.7	591.0	591.3	591.6	591.3	591.0	590.7	590.3	590.0	589.7	589.3
127.5°	636.5	636.1	635.8	635.5	635.8	636.1	636.5	636.8	636.7	636.2	635.7
130°	664.7	664.4	664.1	663.7	664.1	664.4	664.7	665.1	664.9	664.2	663.6
132.5°	691.0	690.6	690.1	689.6	690.1	690.6	691.0	691.5	691.4	690.7	690.1
135°	730.7	730.2	729.7	729.2	729.7	730.2	730.7	731.2	731.2	730.7	730.2
137.5°	767.5	767.1	766.8	766.5	766.8	767.1	767.5	767.8	767.6	766.8	766.0
140°	789.8	789.5	789.2	788.8	789.2	789.5	789.8	790.2	790.0	789.3	788.7
142.5°	810.8	810.4	809.9	809.4	809.9	810.4	810.8	811.3	811.2	810.7	810.2
145°	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	840.9	840.6	840.3
147.5°	866.9	866.1	865.4	864.6	865.4	866.1	866.9	867.6	867.9	867.5	867.2
150°	883.8	883.3	882.8	882.3	882.8	883.3	883.8	884.3	884.3	884.0	883.7
152.5°	898.7	897.9	897.2	896.4	897.2	897.9	898.7	899.4	899.5	898.9	898.3
155°	919.1	918.1	917.1	916.1	917.1	918.1	919.1	920.1	920.2	919.3	918.5
157.5°	936.6	935.3	934.1	932.8	934.1	935.3	936.6	937.9	938.0	937.0	936.1
160°	946.8	945.7	944.5	943.4	944.5	945.7	946.8	948.0	948.0	947.1	946.1
162.5°	956.4	955.4	954.4	953.4	954.4	955.4	956.4	957.4	957.4	956.3	955.2
165°	968.9	967.7	966.6	965.4	966.6	967.7	968.9	970.0	969.9	968.6	967.3
167.5°	978.1	976.7	975.4	974.1	975.4	976.7	978.1	979.4	979.4	978.1	976.7
170°	983.4	982.0	980.7	979.4	980.7	982.0	983.4	984.7	984.7	983.4	982.0
172.5°	986.7	985.3	983.8	982.4	983.8	985.3	986.7	988.1	988.2	986.9	985.6
175°	990.7	989.4	988.1	986.8	988.1	989.4	990.7	992.0	992.1	991.0	989.8
177.5°	992.0	990.7	989.4	988.1	989.4	990.7	992.0	993.3	993.5	992.4	991.4
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1167.3	1173.2	1179.0	1184.5	1192.9	1196.6	1202.1	1204.2	1210.4	1219.7	1227.2
5°	1096.3	1104.7	1115.7	1124.6	1138.7	1149.7	1161.8	1173.3	1186.9	1206.3	1223.5
7.5°	1036.1	1044.4	1057.6	1074.1	1089.7	1105.3	1121.8	1137.5	1156.9	1184.7	1212.2
10°	996.3	1006.3	1022.0	1039.8	1059.1	1074.3	1093.7	1113.6	1137.7	1169.6	1202.6
12.5°	962.0	969.4	987.6	1004.6	1026.5	1045.8	1064.8	1088.0	1115.5	1149.5	1189.2
15°	907.3	917.8	935.6	954.4	977.5	997.9	1022.5	1050.8	1077.5	1119.4	1167.5
17.5°	852.4	868.4	886.9	908.2	925.2	953.4	980.1	1009.1	1042.0	1086.4	1139.2
20°	817.3	829.8	847.1	878.0	900.5	922.0	946.6	982.7	1013.1	1063.3	1118.3
22.5°	787.5	796.7	816.1	841.6	867.8	892.7	917.7	952.1	989.6	1037.4	1096.9
25°	743.4	758.1	772.8	791.1	819.4	849.2	876.4	905.7	945.5	996.3	1060.7
27.5°	700.4	713.7	728.2	750.7	772.1	800.0	828.5	862.1	904.8	958.5	1023.9
30°	672.8	682.7	696.3	725.1	744.5	768.6	802.1	831.9	871.7	928.8	997.9
32.5°	644.3	657.2	672.0	694.1	718.1	740.9	771.5	803.9	844.5	900.7	971.5
35°	603.7	618.8	634.0	650.2	674.3	697.9	723.5	759.1	800.5	855.0	924.6
37.5°	566.3	578.5	590.9	611.0	633.8	656.2	680.2	715.3	754.2	813.0	876.8
40°	542.4	553.4	562.8	583.8	605.7	629.8	653.4	684.3	726.2	781.1	842.9
42.5°	516.4	526.6	539.4	556.5	580.2	600.5	624.1	653.3	692.7	748.5	802.7
45°	477.5	489.0	500.0	516.2	539.8	559.7	580.6	608.4	648.7	694.8	742.9
47.5°	437.0	448.5	461.0	476.7	497.3	517.5	538.4	563.0	599.8	645.0	677.5
50°	411.0	420.4	433.0	448.7	467.5	489.0	507.8	534.5	569.6	605.2	633.5
52.5°	384.2	392.8	407.0	423.6	441.1	459.7	479.8	502.7	534.4	567.9	590.4
55°	342.4	352.9	364.9	381.1	398.4	414.1	433.5	457.1	482.2	507.3	522.5
57.5°	303.3	312.0	322.2	338.9	353.9	372.7	390.0	408.4	431.6	450.6	460.5
60°	274.9	282.7	295.8	310.5	324.6	340.8	360.7	379.1	396.9	412.0	419.9
62.5°	248.1	257.2	268.6	282.0	297.4	312.8	330.2	345.5	361.2	374.3	379.7
65°	213.1	220.4	228.8	241.4	253.9	269.6	283.2	298.9	310.5	317.8	322.5
67.5°	181.3	186.1	192.5	200.8	213.2	226.9	240.1	252.4	262.0	267.0	271.2
70°	160.7	163.9	168.6	177.0	186.4	198.4	212.0	220.9	229.3	233.5	237.7
72.5°	140.2	144.2	148.5	155.2	162.9	171.6	181.5	192.5	197.1	202.1	204.6
75°	106.3	112.0	117.8	122.0	127.2	134.0	142.9	149.7	152.4	156.5	157.1
77.5°	80.2	81.5	85.7	90.9	95.3	100.2	105.9	111.9	113.2	115.4	116.8
80°	66.0	66.0	66.0	69.1	74.3	78.0	83.2	86.4	88.5	89.0	89.5
82.5°	53.0	53.0	52.6	53.2	55.1	57.1	61.9	65.4	67.1	66.8	65.7
85°	34.6	33.5	33.5	33.0	33.5	32.5	31.9	34.0	37.2	37.2	36.1
87.5°	17.9	17.4	17.3	16.5	15.7	14.8	13.2	13.3	12.9	14.3	13.6
90°	18.3	17.7	15.5	13.4	11.3	9.2	7.3	5.6	4.0	2.4	0.7
92.5°	19.9	18.8	17.2	15.6	14.0	12.4	11.9	12.3	12.8	13.2	13.7
95°	24.0	22.8	21.0	19.2	17.4	15.6	18.1	24.8	31.5	38.2	44.9
97.5°	25.0	23.7	35.5	47.2	59.0	70.8	78.2	81.2	84.2	87.2	90.2
100°	25.6	24.3	49.8	75.3	100.8	126.3	137.4	134.2	130.9	127.6	124.4
102.5°	44.4	48.4	76.3	104.1	132.0	159.9	172.6	170.3	167.9	165.6	163.2
105°	132.2	161.2	175.9	190.6	205.3	220.0	226.5	224.7	222.9	221.1	219.3
107.5°	274.1	295.4	293.1	290.7	288.4	286.1	284.2	282.8	281.3	279.9	278.4
110°	326.5	331.9	330.1	328.3	326.5	324.7	323.1	321.8	320.5	319.2	317.9



TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	369.1	369.0	367.2	365.4	363.6	361.8	360.3	359.1	357.9	356.7	355.6
115°	424.0	422.4	420.9	419.4	418.0	416.5	415.3	414.3	413.3	412.3	411.3
117.5°	475.5	474.2	473.4	472.7	471.9	471.2	470.2	469.0	467.8	466.6	465.4
120°	509.1	507.7	507.3	506.8	506.3	505.8	504.8	503.3	501.9	500.4	498.9
122.5°	542.2	541.3	540.7	540.1	539.4	538.8	537.9	536.7	535.5	534.3	533.1
125°	589.0	588.7	588.0	587.4	586.7	586.1	585.1	583.8	582.5	581.2	579.9
127.5°	635.1	634.6	633.8	633.0	632.3	631.5	630.4	629.1	627.8	626.5	625.2
130°	662.9	662.3	661.6	661.0	660.3	659.7	658.7	657.4	656.1	654.8	653.4
132.5°	689.4	688.8	688.2	687.7	687.2	686.7	685.8	684.4	683.1	681.8	680.5
135°	729.7	729.2	728.6	727.9	727.3	726.6	725.8	724.8	723.8	722.9	721.9
137.5°	765.2	764.4	764.1	763.7	763.3	763.0	762.2	760.9	759.7	758.4	757.2
140°	788.0	787.4	786.9	786.4	785.9	785.4	784.7	783.7	782.7	781.7	780.7
142.5°	809.7	809.2	808.7	808.2	807.7	807.2	806.5	805.5	804.5	803.5	802.5
145°	839.9	839.6	839.3	839.0	838.6	838.3	837.6	836.4	835.3	834.1	833.0
147.5°	866.9	866.5	866.2	865.9	865.6	865.2	864.7	863.9	863.2	862.4	861.7
150°	883.4	883.0	882.7	882.4	882.1	881.7	881.3	880.8	880.3	879.8	879.4
152.5°	897.7	897.2	897.0	896.8	896.6	896.4	896.2	895.9	895.7	895.5	895.2
155°	917.7	916.9	916.7	916.6	916.4	916.2	916.3	916.6	917.0	917.3	917.6
157.5°	935.1	934.1	934.3	934.4	934.6	934.8	934.9	934.9	934.9	935.0	935.0
160°	945.1	944.1	944.3	944.4	944.6	944.8	944.9	945.1	945.3	945.4	945.6
162.5°	954.1	952.9	953.1	953.3	953.4	953.6	953.9	954.3	954.7	955.2	955.6
165°	966.0	964.7	964.9	965.0	965.2	965.4	965.7	966.2	966.7	967.2	967.7
167.5°	975.4	974.1	974.1	974.1	974.1	974.1	974.5	975.1	975.8	976.4	977.1
170°	980.7	979.4	979.4	979.4	979.4	979.4	979.8	980.4	981.1	981.7	982.4
172.5°	984.3	983.0	982.8	982.7	982.6	982.4	982.8	983.6	984.3	985.1	985.9
175°	988.7	987.5	987.4	987.2	987.0	986.9	987.2	988.0	988.8	989.6	990.5
177.5°	990.3	989.3	989.2	989.0	988.9	988.8	989.0	989.7	990.3	991.0	991.6
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332434

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1229.7	1234.3	1240.2	1249.0	1255.7	1261.5	1262.8	1264.5	1268.7	1275.8	1281.2
5°	1237.7	1249.7	1269.1	1287.9	1308.4	1325.1	1340.8	1351.8	1362.3	1384.3	1402.1
7.5°	1235.2	1262.0	1292.3	1326.2	1360.4	1393.6	1424.4	1451.9	1479.3	1511.4	1547.9
10°	1233.5	1264.9	1305.7	1349.2	1396.8	1443.4	1488.5	1523.5	1564.4	1601.0	1647.6
12.5°	1225.5	1270.8	1319.6	1375.2	1433.7	1487.4	1546.7	1595.2	1641.9	1694.8	1749.0
15°	1215.2	1270.1	1331.9	1405.7	1494.7	1559.7	1620.4	1704.7	1762.3	1819.9	1897.3
17.5°	1196.2	1263.3	1340.5	1436.4	1510.7	1597.9	1689.3	1755.9	1833.5	1914.6	1984.8
20°	1181.1	1259.1	1345.5	1439.8	1534.5	1629.3	1717.8	1797.3	1877.5	1971.2	2028.8
22.5°	1166.1	1243.2	1333.0	1433.1	1534.9	1634.7	1734.9	1828.3	1918.5	2013.1	2086.6
25°	1134.0	1225.6	1323.0	1425.1	1525.6	1635.6	1754.9	1859.1	1970.6	2068.0	2137.7
27.5°	1101.5	1185.5	1282.5	1386.0	1497.8	1627.7	1768.1	1886.6	1998.3	2068.0	2089.9
30°	1072.2	1161.2	1250.2	1355.5	1476.4	1621.4	1770.6	1906.2	1997.9	2028.2	2005.7
32.5°	1042.5	1123.1	1211.3	1319.0	1447.5	1605.9	1774.0	1894.5	1949.7	1926.5	1834.8
35°	990.0	1062.8	1148.1	1256.0	1403.6	1597.4	1760.2	1841.8	1828.2	1697.3	1524.6
37.5°	933.9	993.2	1072.2	1185.0	1358.2	1563.3	1700.7	1712.7	1594.9	1394.0	1194.4
40°	889.5	942.9	1024.1	1141.9	1323.0	1529.8	1640.8	1592.1	1409.4	1185.8	1019.4
42.5°	846.4	891.4	969.6	1096.6	1289.5	1484.2	1551.6	1445.5	1234.7	1023.3	871.9
45°	773.3	815.7	894.2	1024.6	1220.9	1396.8	1387.9	1203.6	992.7	822.5	696.8
47.5°	704.0	741.0	814.7	947.8	1140.4	1265.9	1182.7	986.6	807.6	671.1	581.5
50°	655.0	691.6	764.9	896.3	1075.9	1167.5	1048.7	859.7	695.8	582.7	511.5
52.5°	608.1	643.9	710.9	838.9	998.0	1052.8	925.1	749.9	613.3	515.7	454.5
55°	542.4	569.6	629.8	752.3	871.2	883.8	754.4	607.8	495.3	427.2	385.3
57.5°	475.5	498.9	558.4	656.0	739.4	732.9	610.3	483.4	407.6	357.1	326.7
60°	431.9	455.0	507.3	591.1	653.9	631.9	519.4	417.3	352.3	315.2	291.1
62.5°	391.3	409.3	458.3	519.5	564.7	539.8	444.0	359.5	308.0	276.6	257.6
65°	332.5	347.1	386.4	418.3	443.4	419.4	339.8	281.1	244.0	222.0	208.9
67.5°	276.5	285.9	310.7	322.2	339.9	313.5	255.5	216.2	195.1	176.5	167.4
70°	241.4	248.2	261.3	270.7	275.4	248.2	205.2	176.4	158.6	145.5	139.8
72.5°	206.2	212.1	214.8	222.5	220.1	194.6	165.0	142.1	129.3	120.4	113.0
75°	157.6	160.2	157.6	154.4	147.6	129.8	109.4	97.9	88.5	84.3	81.7
77.5°	114.9	114.0	110.5	105.5	93.9	82.7	71.7	67.9	63.8	61.6	60.6
80°	88.5	86.4	83.2	75.4	65.4	57.6	55.0	52.4	50.8	48.2	47.6
82.5°	65.9	64.6	59.4	52.8	45.8	42.1	39.9	39.0	37.4	36.0	35.9
85°	35.1	33.5	27.7	24.1	23.0	22.0	21.5	21.5	19.4	18.8	18.8
87.5°	11.8	9.6	9.5	8.6	9.0	8.5	9.4	9.0	9.0	9.5	8.8
90°	2.4	4.0	5.6	7.3	9.2	11.3	13.4	15.5	17.7	18.3	19.0
92.5°	13.2	12.8	12.3	11.9	12.4	14.0	15.6	17.2	18.8	19.9	20.9
95°	38.2	31.5	24.8	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.1
97.5°	87.2	84.2	81.2	78.2	70.8	59.0	47.2	35.5	23.7	25.0	26.3
100°	127.6	130.9	134.2	137.4	126.3	100.8	75.3	49.8	24.3	25.6	26.9
102.5°	165.6	167.9	170.3	172.6	159.9	132.0	104.1	76.3	48.4	44.4	40.3
105°	221.1	222.9	224.7	226.5	220.0	205.3	190.6	175.9	161.2	132.2	103.3
107.5°	279.9	281.3	282.8	284.2	286.1	288.4	290.7	293.1	295.4	274.1	252.9
110°	319.2	320.5	321.8	323.1	324.7	326.5	328.3	330.1	331.9	326.5	321.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	356.7	357.9	359.1	360.3	361.8	363.6	365.4	367.2	369.0	369.1	369.2
115°	412.3	413.3	414.3	415.3	416.5	418.0	419.4	420.9	422.4	424.0	425.7
117.5°	466.6	467.8	469.0	470.2	471.2	471.9	472.7	473.4	474.2	475.5	476.8
120°	500.4	501.9	503.3	504.8	505.8	506.3	506.8	507.3	507.7	509.1	510.4
122.5°	534.3	535.5	536.7	537.9	538.8	539.4	540.1	540.7	541.3	542.2	543.1
125°	581.2	582.5	583.8	585.1	586.1	586.7	587.4	588.0	588.7	589.0	589.3
127.5°	626.5	627.8	629.1	630.4	631.5	632.3	633.0	633.8	634.6	635.1	635.7
130°	654.8	656.1	657.4	658.7	659.7	660.3	661.0	661.6	662.3	662.9	663.6
132.5°	681.8	683.1	684.4	685.8	686.7	687.2	687.7	688.2	688.8	689.4	690.1
135°	722.9	723.8	724.8	725.8	726.6	727.3	727.9	728.6	729.2	729.7	730.2
137.5°	758.4	759.7	760.9	762.2	763.0	763.3	763.7	764.1	764.4	765.2	766.0
140°	781.7	782.7	783.7	784.7	785.4	785.9	786.4	786.9	787.4	788.0	788.7
142.5°	803.5	804.5	805.5	806.5	807.2	807.7	808.2	808.7	809.2	809.7	810.2
145°	834.1	835.3	836.4	837.6	838.3	838.6	839.0	839.3	839.6	839.9	840.3
147.5°	862.4	863.2	863.9	864.7	865.2	865.6	865.9	866.2	866.5	866.9	867.2
150°	879.8	880.3	880.8	881.3	881.7	882.1	882.4	882.7	883.0	883.4	883.7
152.5°	895.5	895.7	895.9	896.2	896.4	896.6	896.8	897.0	897.2	897.7	898.3
155°	917.3	917.0	916.6	916.3	916.2	916.4	916.6	916.7	916.9	917.7	918.5
157.5°	935.0	934.9	934.9	934.9	934.8	934.6	934.4	934.3	934.1	935.1	936.1
160°	945.4	945.3	945.1	944.9	944.8	944.6	944.4	944.3	944.1	945.1	946.1
162.5°	955.2	954.7	954.3	953.9	953.6	953.4	953.3	953.1	952.9	954.1	955.2
165°	967.2	966.7	966.2	965.7	965.4	965.2	965.0	964.9	964.7	966.0	967.3
167.5°	976.4	975.8	975.1	974.5	974.1	974.1	974.1	974.1	974.1	975.4	976.7
170°	981.7	981.1	980.4	979.8	979.4	979.4	979.4	979.4	979.4	980.7	982.0
172.5°	985.1	984.3	983.6	982.8	982.4	982.6	982.7	982.8	983.0	984.3	985.6
175°	989.6	988.8	988.0	987.2	986.9	987.0	987.2	987.4	987.5	988.7	989.8
177.5°	991.0	990.3	989.7	989.0	988.8	988.9	989.0	989.2	989.3	990.3	991.4
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1290.0	1290.0	1291.7	1298.0	1298.8	1304.3	1302.6
5°	1417.8	1427.7	1431.4	1447.1	1456.5	1460.7	1452.3
7.5°	1574.0	1602.1	1615.4	1631.8	1646.4	1650.8	1639.3
10°	1687.9	1717.2	1741.9	1757.0	1771.2	1780.6	1792.6
12.5°	1798.1	1834.1	1857.5	1878.9	1893.5	1905.4	1907.4
15°	1917.8	1972.2	2013.6	2043.9	2059.1	2067.0	2063.8
17.5°	2038.5	2089.0	2118.4	2149.4	2170.4	2171.5	2172.1
20°	2106.8	2156.0	2190.0	2213.0	2236.6	2235.6	2240.8
22.5°	2152.4	2191.2	2217.2	2234.0	2242.1	2238.1	2239.1
25°	2173.8	2185.3	2180.6	2153.9	2147.1	2122.5	2126.7
27.5°	2063.6	2009.2	1952.8	1880.4	1823.2	1777.6	1779.9
30°	1914.1	1817.8	1707.8	1615.7	1533.0	1509.9	1460.7
32.5°	1705.1	1560.6	1431.8	1345.9	1274.9	1255.7	1212.8
35°	1350.8	1210.4	1078.0	998.4	967.0	923.0	922.5
37.5°	1049.9	926.4	856.3	796.6	765.3	738.7	736.1
40°	883.2	786.9	734.0	691.1	660.2	640.3	635.6
42.5°	766.8	688.9	639.4	612.8	589.0	578.7	571.1
45°	626.2	573.8	539.3	515.2	504.2	496.3	492.1
47.5°	523.8	488.7	465.1	449.1	440.2	431.9	434.1
50°	468.1	439.3	422.0	406.8	400.0	394.2	394.8
52.5°	423.2	397.4	383.4	372.5	364.0	359.9	357.9
55°	359.2	342.9	328.8	320.9	316.2	310.5	308.9
57.5°	306.4	293.8	282.3	273.4	272.2	266.7	267.4
60°	271.2	260.7	251.3	246.6	242.9	238.2	239.8
62.5°	242.3	233.5	224.9	221.0	217.4	213.9	214.7
65°	198.4	190.0	184.8	182.7	181.1	179.6	178.0
67.5°	158.1	153.0	149.7	145.2	142.0	141.5	139.9
70°	133.0	126.2	120.4	114.7	113.1	112.6	113.1
72.5°	106.6	102.3	100.7	97.9	97.6	96.2	97.2
75°	80.1	78.5	77.5	75.4	75.4	75.4	75.4
77.5°	59.1	58.1	57.5	57.1	56.5	55.8	55.7
80°	46.1	45.5	44.5	44.5	44.0	44.5	44.0
82.5°	34.8	34.7	33.6	33.6	33.1	32.8	33.1
85°	17.8	17.3	18.3	17.3	17.8	16.8	17.8
87.5°	9.0	9.1	8.8	8.8	8.5	9.4	8.6
90°	19.6	20.3	20.8	21.1	21.4	21.7	22.1
92.5°	22.0	23.0	23.6	23.8	24.0	24.2	24.4
95°	26.2	27.4	28.0	28.0	28.0	28.0	28.0
97.5°	27.6	28.9	29.7	29.8	30.0	30.2	30.3
100°	28.2	29.5	30.3	30.4	30.6	30.7	30.9
102.5°	36.3	32.2	30.3	30.6	30.9	31.2	31.5
105°	74.3	45.4	31.1	31.4	31.7	32.1	32.4
107.5°	231.7	210.5	189.0	167.1	145.3	123.5	101.7
110°	315.7	310.3	295.9	272.5	249.1	225.7	202.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.3	369.4	366.9	362.0	357.1	352.1	347.2
115°	427.3	428.9	430.1	430.7	431.4	432.0	432.7
117.5°	478.1	479.4	480.1	480.3	480.4	480.5	480.7
120°	511.7	513.0	513.6	513.6	513.6	513.6	513.6
122.5°	544.0	545.0	545.5	545.6	545.7	545.9	546.0
125°	589.7	590.0	590.3	590.7	591.0	591.3	591.6
127.5°	636.2	636.7	636.8	636.5	636.1	635.8	635.5
130°	664.2	664.9	665.1	664.7	664.4	664.1	663.7
132.5°	690.7	691.4	691.5	691.0	690.6	690.1	689.6
135°	730.7	731.2	731.2	730.7	730.2	729.7	729.2
137.5°	766.8	767.6	767.8	767.5	767.1	766.8	766.5
140°	789.3	790.0	790.2	789.8	789.5	789.2	788.8
142.5°	810.7	811.2	811.3	810.8	810.4	809.9	809.4
145°	840.6	840.9	841.1	841.1	841.1	841.1	841.1
147.5°	867.5	867.9	867.6	866.9	866.1	865.4	864.6
150°	884.0	884.3	884.3	883.8	883.3	882.8	882.3
152.5°	898.9	899.5	899.4	898.7	897.9	897.2	896.4
155°	919.3	920.2	920.1	919.1	918.1	917.1	916.1
157.5°	937.0	938.0	937.9	936.6	935.3	934.1	932.8
160°	947.1	948.0	948.0	946.8	945.7	944.5	943.4
162.5°	956.3	957.4	957.4	956.4	955.4	954.4	953.4
165°	968.6	969.9	970.0	968.9	967.7	966.6	965.4
167.5°	978.1	979.4	979.4	978.1	976.7	975.4	974.1
170°	983.4	984.7	984.7	983.4	982.0	980.7	979.4
172.5°	986.9	988.2	988.1	986.7	985.3	983.8	982.4
175°	991.0	992.1	992.0	990.7	989.4	988.1	986.8
177.5°	992.4	993.5	993.3	992.0	990.7	989.4	988.1
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5

(END OF REPORT)