

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: P332300

Luminaire Tested: **S123RDIP-S775D365U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332300
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: S123RDIP-S775D365U835-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4496.9 lumens
Efficiency: N/A
Efficacy: 128.5 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

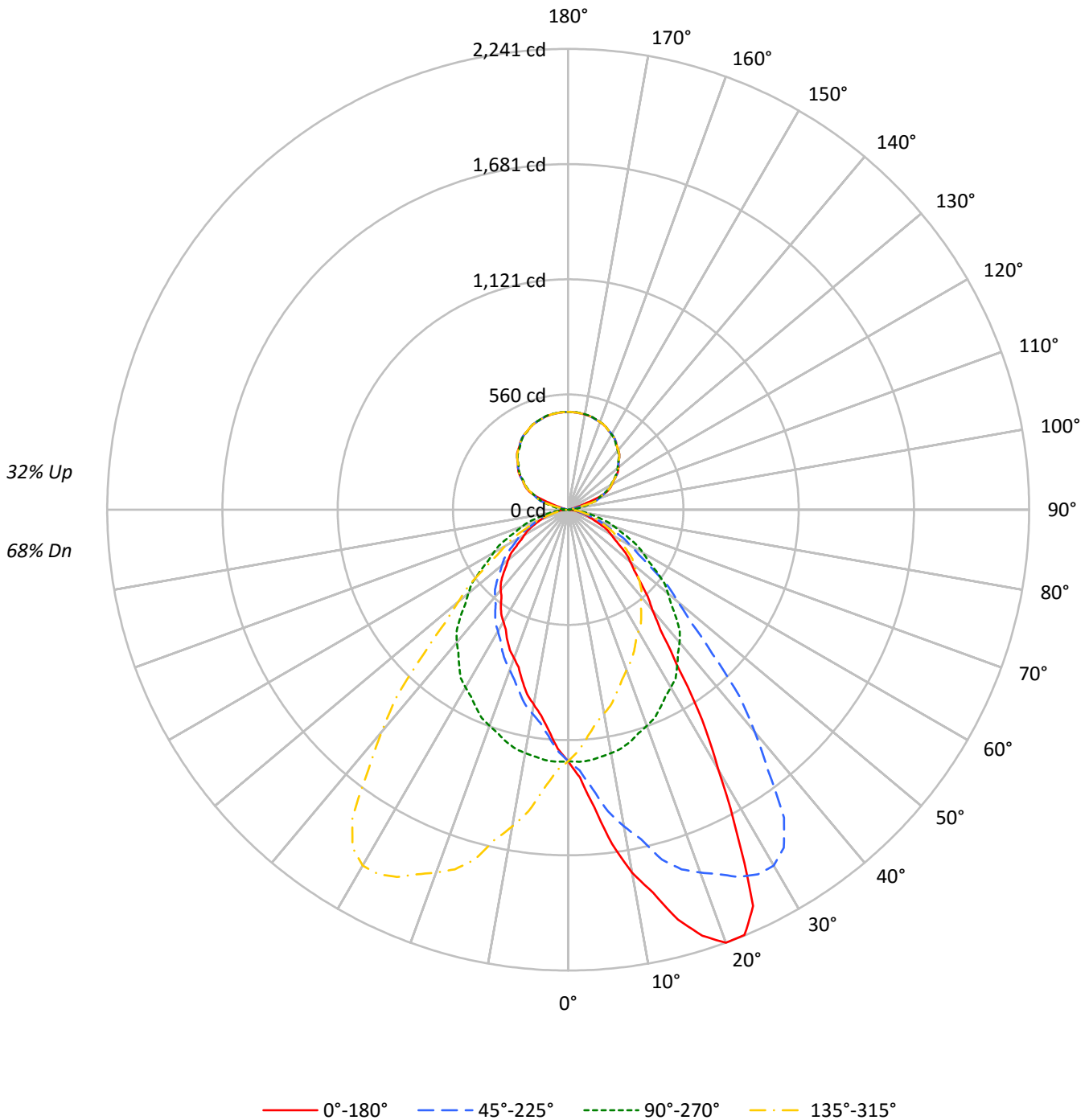
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68				
1	103	98	95	91	97	93	90	87	83	81	78	74	72	70	65	64	63	59				
2	94	87	81	76	89	82	77	73	74	70	66	66	63	60	58	56	54	50				
3	86	77	70	64	81	73	67	62	66	61	57	59	55	52	52	49	47	44				
4	79	69	61	55	75	65	58	53	59	53	49	53	49	45	47	44	41	38				
5	73	62	54	48	69	59	52	46	53	47	43	48	43	40	43	39	36	34				
6	68	56	48	42	64	53	46	41	48	42	38	44	39	35	39	35	32	30				
7	63	51	43	37	59	48	41	36	44	38	34	40	35	31	36	32	29	27				
8	59	46	39	33	55	44	37	32	40	34	30	37	32	28	33	29	26	24				
9	55	43	35	30	52	41	34	29	37	31	27	34	29	26	31	27	24	22				
10	51	39	32	27	49	38	31	26	34	29	25	32	27	23	29	25	22	20				

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	2.7
10°-20°	375.7	8.4
20°-30°	590.3	13.1
30°-40°	615.9	13.7
40°-50°	527.1	11.7
50°-60°	401.7	8.9
60°-70°	257.5	5.7
70°-80°	123.9	2.8
80°-90°	34.1	0.8
90°-100°	17.3	0.4
100°-110°	82.4	1.8
110°-120°	198.0	4.4
120°-130°	252.1	5.6
130°-140°	269.3	6.0
140°-150°	251.9	5.6
150°-160°	203.2	4.5
160°-170°	131.1	2.9
170°-180°	45.2	1.0
0°-30°	1086.3	24.2
0°-40°	1702.2	37.9
0°-60°	2631.0	58.5
0°-90°	3046.4	67.7
90°-120°	297.7	6.6
90°-150°	1071.0	23.8
90°-180°	1450.0	32.2
0°-180°	4496.9	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°	11	0	11	0	11	5
95°	13	22	13	22	13	11
105°	16	105	16	105	16	36
115°	208	198	208	198	208	192
125°	284	278	284	278	284	254
135°	350	347	350	347	350	270
145°	404	400	404	400	404	252
155°	440	441	440	441	440	203
165°	464	465	464	465	464	131
175°	474	476	474	476	474	45
180°	476	476	476	476	476	



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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°	6.3	7.1	6.2	6.6	6.6	7.0	6.9	6.8	7.6	7.1	7.4
90°	10.6	10.4	10.3	10.1	10.0	9.7	9.4	9.1	8.8	8.5	7.5
92.5°	11.7	11.6	11.5	11.4	11.4	11.1	10.6	10.1	9.5	9.0	8.3
95°	13.4	13.4	13.4	13.4	13.4	13.2	12.6	12.1	11.5	11.0	10.1
97.5°	14.6	14.5	14.4	14.3	14.2	13.9	13.3	12.6	12.0	11.4	17.0
100°	14.8	14.8	14.7	14.6	14.5	14.2	13.5	12.9	12.3	11.7	23.9
102.5°	15.1	15.0	14.8	14.7	14.6	15.5	17.4	19.4	21.3	23.3	36.6
105°	15.5	15.4	15.2	15.1	14.9	21.8	35.7	49.6	63.5	77.4	84.5
107.5°	48.8	59.3	69.8	80.3	90.7	101.1	111.3	121.5	131.6	141.8	140.7
110°	97.2	108.4	119.6	130.9	142.1	149.0	151.6	154.2	156.8	159.4	158.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	166.7	169.1	171.5	173.8	176.2	177.4	177.3	177.3	177.2	177.2	176.3
115°	207.8	207.5	207.2	206.8	206.5	206.0	205.2	204.4	203.6	202.8	202.1
117.5°	230.8	230.8	230.7	230.6	230.6	230.2	229.6	229.0	228.3	227.7	227.4
120°	246.7	246.7	246.7	246.7	246.7	246.3	245.7	245.1	244.5	243.8	243.6
122.5°	262.2	262.1	262.1	262.0	261.9	261.7	261.3	260.8	260.4	259.9	259.6
125°	284.1	284.0	283.8	283.6	283.5	283.3	283.2	283.0	282.9	282.7	282.4
127.5°	305.2	305.3	305.5	305.6	305.8	305.8	305.5	305.2	305.0	304.7	304.4
130°	318.7	318.9	319.1	319.2	319.4	319.3	319.0	318.7	318.3	318.0	317.7
132.5°	331.2	331.4	331.6	331.8	332.1	332.0	331.7	331.4	331.1	330.8	330.5
135°	350.2	350.4	350.7	350.9	351.1	351.1	350.9	350.7	350.4	350.2	349.9
137.5°	368.1	368.2	368.4	368.5	368.7	368.6	368.2	367.8	367.5	367.1	366.9
140°	378.8	379.0	379.1	379.3	379.4	379.4	379.0	378.7	378.4	378.1	377.9
142.5°	388.7	388.9	389.1	389.4	389.6	389.6	389.3	389.1	388.8	388.6	388.3
145°	403.9	403.9	403.9	403.9	403.9	403.8	403.7	403.5	403.4	403.2	403.0
147.5°	415.2	415.6	415.9	416.3	416.7	416.8	416.6	416.4	416.3	416.1	416.0
150°	423.7	423.9	424.2	424.4	424.6	424.7	424.5	424.4	424.2	424.0	423.9
152.5°	430.5	430.8	431.2	431.6	431.9	432.0	431.7	431.4	431.1	430.8	430.7
155°	439.9	440.4	440.9	441.4	441.8	441.9	441.5	441.1	440.7	440.3	440.2
157.5°	447.9	448.5	449.2	449.8	450.4	450.5	450.0	449.5	449.0	448.6	448.6
160°	453.0	453.6	454.1	454.7	455.2	455.3	454.8	454.3	453.8	453.4	453.5
162.5°	457.8	458.3	458.8	459.3	459.8	459.7	459.2	458.7	458.1	457.6	457.7
165°	463.6	464.2	464.7	465.3	465.8	465.8	465.2	464.5	463.9	463.3	463.3
167.5°	467.8	468.4	469.0	469.7	470.3	470.3	469.7	469.0	468.4	467.8	467.8
170°	470.3	471.0	471.6	472.2	472.8	472.8	472.2	471.6	471.0	470.3	470.3
172.5°	471.7	472.4	473.1	473.8	474.5	474.5	473.9	473.3	472.7	472.0	472.0
175°	473.9	474.5	475.1	475.8	476.4	476.4	475.9	475.3	474.8	474.2	474.1
177.5°	474.5	475.1	475.8	476.4	477.0	477.1	476.6	476.1	475.6	475.1	475.0
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



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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°	8.0	7.4	8.0	7.8	8.9	9.2	11.5	13.5	14.0	12.5	12.7
90°	6.4	5.4	4.4	3.5	2.7	1.9	1.1	0.4	1.1	1.9	2.7
92.5°	7.5	6.7	6.0	5.7	5.9	6.1	6.4	6.6	6.4	6.1	5.9
95°	9.2	8.4	7.5	8.7	11.9	15.1	18.3	21.6	18.3	15.1	11.9
97.5°	22.7	28.3	34.0	37.5	39.0	40.4	41.9	43.3	41.9	40.4	39.0
100°	36.2	48.4	60.7	66.0	64.4	62.9	61.3	59.7	61.3	62.9	64.4
102.5°	50.0	63.4	76.8	82.9	81.8	80.6	79.5	78.4	79.5	80.6	81.8
105°	91.5	98.6	105.7	108.8	107.9	107.0	106.2	105.3	106.2	107.0	107.9
107.5°	139.6	138.5	137.4	136.5	135.8	135.1	134.4	133.7	134.4	135.1	135.8
110°	157.6	156.8	155.9	155.2	154.5	153.9	153.3	152.7	153.3	153.9	154.5



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	175.5	174.6	173.7	173.0	172.4	171.9	171.3	170.7	171.3	171.9	172.4
115°	201.4	200.7	200.0	199.4	198.9	198.5	198.0	197.5	198.0	198.5	198.9
117.5°	227.0	226.6	226.3	225.8	225.2	224.6	224.1	223.5	224.1	224.6	225.2
120°	243.4	243.1	242.9	242.4	241.7	241.0	240.3	239.6	240.3	241.0	241.7
122.5°	259.3	259.0	258.7	258.3	257.7	257.1	256.6	256.0	256.6	257.1	257.7
125°	282.1	281.8	281.4	281.0	280.3	279.7	279.1	278.5	279.1	279.7	280.3
127.5°	304.0	303.6	303.2	302.7	302.1	301.5	300.9	300.2	300.9	301.5	302.1
130°	317.4	317.1	316.8	316.3	315.7	315.0	314.4	313.8	314.4	315.0	315.7
132.5°	330.3	330.0	329.7	329.3	328.7	328.1	327.4	326.8	327.4	328.1	328.7
135°	349.6	349.2	348.9	348.5	348.1	347.6	347.1	346.7	347.1	347.6	348.1
137.5°	366.7	366.6	366.4	366.0	365.4	364.8	364.2	363.6	364.2	364.8	365.4
140°	377.6	377.4	377.2	376.8	376.3	375.9	375.4	374.9	375.4	375.9	376.3
142.5°	388.1	387.9	387.6	387.3	386.8	386.3	385.9	385.4	385.9	386.3	386.8
145°	402.9	402.7	402.6	402.2	401.7	401.1	400.6	400.0	400.6	401.1	401.7
147.5°	415.8	415.7	415.5	415.2	414.9	414.5	414.2	413.8	414.2	414.5	414.9
150°	423.7	423.6	423.4	423.2	423.0	422.7	422.5	422.3	422.5	422.7	423.0
152.5°	430.6	430.5	430.5	430.3	430.2	430.1	430.0	429.9	430.0	430.1	430.2
155°	440.1	440.1	440.0	440.0	440.2	440.3	440.5	440.7	440.5	440.3	440.2
157.5°	448.7	448.8	448.9	448.9	448.9	449.0	449.0	449.0	449.0	449.0	448.9
160°	453.5	453.6	453.7	453.8	453.8	453.9	454.0	454.1	454.0	453.9	453.8
162.5°	457.8	457.8	457.9	458.1	458.3	458.5	458.7	458.9	458.7	458.5	458.3
165°	463.4	463.5	463.6	463.7	464.0	464.2	464.4	464.7	464.4	464.2	464.0
167.5°	467.8	467.8	467.8	467.9	468.3	468.6	468.9	469.2	468.9	468.6	468.3
170°	470.3	470.3	470.3	470.5	470.8	471.1	471.4	471.7	471.4	471.1	470.8
172.5°	471.9	471.8	471.8	471.9	472.3	472.7	473.1	473.4	473.1	472.7	472.3
175°	474.1	474.0	473.9	474.1	474.5	474.8	475.2	475.6	475.2	474.8	474.5
177.5°	474.9	474.9	474.8	474.9	475.3	475.6	475.9	476.2	475.9	475.6	475.3
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-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°	12.4	13.9	14.5	15.1	15.7	15.5	16.0	16.1	16.5	16.6	16.7
90°	3.5	4.4	5.4	6.4	7.5	8.5	8.8	9.1	9.4	9.7	10.0
92.5°	5.7	6.0	6.7	7.5	8.3	9.0	9.5	10.1	10.6	11.1	11.4
95°	8.7	7.5	8.4	9.2	10.1	11.0	11.5	12.1	12.6	13.2	13.4
97.5°	37.5	34.0	28.3	22.7	17.0	11.4	12.0	12.6	13.3	13.9	14.2
100°	66.0	60.7	48.4	36.2	23.9	11.7	12.3	12.9	13.5	14.2	14.5
102.5°	82.9	76.8	63.4	50.0	36.6	23.3	21.3	19.4	17.4	15.5	14.6
105°	108.8	105.7	98.6	91.5	84.5	77.4	63.5	49.6	35.7	21.8	14.9
107.5°	136.5	137.4	138.5	139.6	140.7	141.8	131.6	121.5	111.3	101.1	90.7
110°	155.2	155.9	156.8	157.6	158.5	159.4	156.8	154.2	151.6	149.0	142.1



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	173.0	173.7	174.6	175.5	176.3	177.2	177.2	177.3	177.3	177.4	176.2
115°	199.4	200.0	200.7	201.4	202.1	202.8	203.6	204.4	205.2	206.0	206.5
117.5°	225.8	226.3	226.6	227.0	227.4	227.7	228.3	229.0	229.6	230.2	230.6
120°	242.4	242.9	243.1	243.4	243.6	243.8	244.5	245.1	245.7	246.3	246.7
122.5°	258.3	258.7	259.0	259.3	259.6	259.9	260.4	260.8	261.3	261.7	261.9
125°	281.0	281.4	281.8	282.1	282.4	282.7	282.9	283.0	283.2	283.3	283.5
127.5°	302.7	303.2	303.6	304.0	304.4	304.7	305.0	305.2	305.5	305.8	305.8
130°	316.3	316.8	317.1	317.4	317.7	318.0	318.3	318.7	319.0	319.3	319.4
132.5°	329.3	329.7	330.0	330.3	330.5	330.8	331.1	331.4	331.7	332.0	332.1
135°	348.5	348.9	349.2	349.6	349.9	350.2	350.4	350.7	350.9	351.1	351.1
137.5°	366.0	366.4	366.6	366.7	366.9	367.1	367.5	367.8	368.2	368.6	368.7
140°	376.8	377.2	377.4	377.6	377.9	378.1	378.4	378.7	379.0	379.4	379.4
142.5°	387.3	387.6	387.9	388.1	388.3	388.6	388.8	389.1	389.3	389.6	389.6
145°	402.2	402.6	402.7	402.9	403.0	403.2	403.4	403.5	403.7	403.8	403.9
147.5°	415.2	415.5	415.7	415.8	416.0	416.1	416.3	416.4	416.6	416.8	416.7
150°	423.2	423.4	423.6	423.7	423.9	424.0	424.2	424.4	424.5	424.7	424.6
152.5°	430.3	430.5	430.5	430.6	430.7	430.8	431.1	431.4	431.7	432.0	431.9
155°	440.0	440.0	440.1	440.1	440.2	440.3	440.7	441.1	441.5	441.9	441.8
157.5°	448.9	448.9	448.8	448.7	448.6	448.6	449.0	449.5	450.0	450.5	450.4
160°	453.8	453.7	453.6	453.5	453.5	453.4	453.8	454.3	454.8	455.3	455.2
162.5°	458.1	457.9	457.8	457.8	457.7	457.6	458.1	458.7	459.2	459.7	459.8
165°	463.7	463.6	463.5	463.4	463.3	463.3	463.9	464.5	465.2	465.8	465.8
167.5°	467.9	467.8	467.8	467.8	467.8	467.8	468.4	469.0	469.7	470.3	470.3
170°	470.5	470.3	470.3	470.3	470.3	470.3	471.0	471.6	472.2	472.8	472.8
172.5°	471.9	471.8	471.8	471.9	472.0	472.0	472.7	473.3	473.9	474.5	474.5
175°	474.1	473.9	474.0	474.1	474.1	474.2	474.8	475.3	475.9	476.4	476.4
177.5°	474.9	474.8	474.9	474.9	475.0	475.1	475.6	476.1	476.6	477.1	477.0
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-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°	17.5	16.7	16.7	17.2	16.7	16.7	17.5	16.7	16.6	16.5	16.1
90°	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.7	9.4	9.1
92.5°	11.4	11.5	11.6	11.7	11.6	11.5	11.4	11.4	11.1	10.6	10.1
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.2	12.6	12.1
97.5°	14.3	14.4	14.5	14.6	14.5	14.4	14.3	14.2	13.9	13.3	12.6
100°	14.6	14.7	14.8	14.8	14.8	14.7	14.6	14.5	14.2	13.5	12.9
102.5°	14.7	14.8	15.0	15.1	15.0	14.8	14.7	14.6	15.5	17.4	19.4
105°	15.1	15.2	15.4	15.5	15.4	15.2	15.1	14.9	21.8	35.7	49.6
107.5°	80.3	69.8	59.3	48.8	59.3	69.8	80.3	90.7	101.1	111.3	121.5
110°	130.9	119.6	108.4	97.2	108.4	119.6	130.9	142.1	149.0	151.6	154.2



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	173.8	171.5	169.1	166.7	169.1	171.5	173.8	176.2	177.4	177.3	177.3
115°	206.8	207.2	207.5	207.8	207.5	207.2	206.8	206.5	206.0	205.2	204.4
117.5°	230.6	230.7	230.8	230.8	230.8	230.7	230.6	230.6	230.2	229.6	229.0
120°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.3	245.7	245.1
122.5°	262.0	262.1	262.1	262.2	262.1	262.1	262.0	261.9	261.7	261.3	260.8
125°	283.6	283.8	284.0	284.1	284.0	283.8	283.6	283.5	283.3	283.2	283.0
127.5°	305.6	305.5	305.3	305.2	305.3	305.5	305.6	305.8	305.8	305.5	305.2
130°	319.2	319.1	318.9	318.7	318.9	319.1	319.2	319.4	319.3	319.0	318.7
132.5°	331.8	331.6	331.4	331.2	331.4	331.6	331.8	332.1	332.0	331.7	331.4
135°	350.9	350.7	350.4	350.2	350.4	350.7	350.9	351.1	351.1	350.9	350.7
137.5°	368.5	368.4	368.2	368.1	368.2	368.4	368.5	368.7	368.6	368.2	367.8
140°	379.3	379.1	379.0	378.8	379.0	379.1	379.3	379.4	379.4	379.0	378.7
142.5°	389.4	389.1	388.9	388.7	388.9	389.1	389.4	389.6	389.6	389.3	389.1
145°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.8	403.7	403.5
147.5°	416.3	415.9	415.6	415.2	415.6	415.9	416.3	416.7	416.8	416.6	416.4
150°	424.4	424.2	423.9	423.7	423.9	424.2	424.4	424.6	424.7	424.5	424.4
152.5°	431.6	431.2	430.8	430.5	430.8	431.2	431.6	431.9	432.0	431.7	431.4
155°	441.4	440.9	440.4	439.9	440.4	440.9	441.4	441.8	441.9	441.5	441.1
157.5°	449.8	449.2	448.5	447.9	448.5	449.2	449.8	450.4	450.5	450.0	449.5
160°	454.7	454.1	453.6	453.0	453.6	454.1	454.7	455.2	455.3	454.8	454.3
162.5°	459.3	458.8	458.3	457.8	458.3	458.8	459.3	459.8	459.7	459.2	458.7
165°	465.3	464.7	464.2	463.6	464.2	464.7	465.3	465.8	465.8	465.2	464.5
167.5°	469.7	469.0	468.4	467.8	468.4	469.0	469.7	470.3	470.3	469.7	469.0
170°	472.2	471.6	471.0	470.3	471.0	471.6	472.2	472.8	472.8	472.2	471.6
172.5°	473.8	473.1	472.4	471.7	472.4	473.1	473.8	474.5	474.5	473.9	473.3
175°	475.8	475.1	474.5	473.9	474.5	475.1	475.8	476.4	476.4	475.9	475.3
177.5°	476.4	475.8	475.1	474.5	475.1	475.8	476.4	477.0	477.1	476.6	476.1
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-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°	16.0	15.5	15.7	15.1	14.5	13.9	12.4	12.7	12.5	14.0	13.5
90°	8.8	8.5	7.5	6.4	5.4	4.4	3.5	2.7	1.9	1.1	0.4
92.5°	9.5	9.0	8.3	7.5	6.7	6.0	5.7	5.9	6.1	6.4	6.6
95°	11.5	11.0	10.1	9.2	8.4	7.5	8.7	11.9	15.1	18.3	21.6
97.5°	12.0	11.4	17.0	22.7	28.3	34.0	37.5	39.0	40.4	41.9	43.3
100°	12.3	11.7	23.9	36.2	48.4	60.7	66.0	64.4	62.9	61.3	59.7
102.5°	21.3	23.3	36.6	50.0	63.4	76.8	82.9	81.8	80.6	79.5	78.4
105°	63.5	77.4	84.5	91.5	98.6	105.7	108.8	107.9	107.0	106.2	105.3
107.5°	131.6	141.8	140.7	139.6	138.5	137.4	136.5	135.8	135.1	134.4	133.7
110°	156.8	159.4	158.5	157.6	156.8	155.9	155.2	154.5	153.9	153.3	152.7



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	177.2	177.2	176.3	175.5	174.6	173.7	173.0	172.4	171.9	171.3	170.7
115°	203.6	202.8	202.1	201.4	200.7	200.0	199.4	198.9	198.5	198.0	197.5
117.5°	228.3	227.7	227.4	227.0	226.6	226.3	225.8	225.2	224.6	224.1	223.5
120°	244.5	243.8	243.6	243.4	243.1	242.9	242.4	241.7	241.0	240.3	239.6
122.5°	260.4	259.9	259.6	259.3	259.0	258.7	258.3	257.7	257.1	256.6	256.0
125°	282.9	282.7	282.4	282.1	281.8	281.4	281.0	280.3	279.7	279.1	278.5
127.5°	305.0	304.7	304.4	304.0	303.6	303.2	302.7	302.1	301.5	300.9	300.2
130°	318.3	318.0	317.7	317.4	317.1	316.8	316.3	315.7	315.0	314.4	313.8
132.5°	331.1	330.8	330.5	330.3	330.0	329.7	329.3	328.7	328.1	327.4	326.8
135°	350.4	350.2	349.9	349.6	349.2	348.9	348.5	348.1	347.6	347.1	346.7
137.5°	367.5	367.1	366.9	366.7	366.6	366.4	366.0	365.4	364.8	364.2	363.6
140°	378.4	378.1	377.9	377.6	377.4	377.2	376.8	376.3	375.9	375.4	374.9
142.5°	388.8	388.6	388.3	388.1	387.9	387.6	387.3	386.8	386.3	385.9	385.4
145°	403.4	403.2	403.0	402.9	402.7	402.6	402.2	401.7	401.1	400.6	400.0
147.5°	416.3	416.1	416.0	415.8	415.7	415.5	415.2	414.9	414.5	414.2	413.8
150°	424.2	424.0	423.9	423.7	423.6	423.4	423.2	423.0	422.7	422.5	422.3
152.5°	431.1	430.8	430.7	430.6	430.5	430.5	430.3	430.2	430.1	430.0	429.9
155°	440.7	440.3	440.2	440.1	440.1	440.0	440.0	440.2	440.3	440.5	440.7
157.5°	449.0	448.6	448.6	448.7	448.8	448.9	448.9	448.9	449.0	449.0	449.0
160°	453.8	453.4	453.5	453.5	453.6	453.7	453.8	453.8	453.9	454.0	454.1
162.5°	458.1	457.6	457.7	457.8	457.8	457.9	458.1	458.3	458.5	458.7	458.9
165°	463.9	463.3	463.3	463.4	463.5	463.6	463.7	464.0	464.2	464.4	464.7
167.5°	468.4	467.8	467.8	467.8	467.8	467.8	467.9	468.3	468.6	468.9	469.2
170°	471.0	470.3	470.3	470.3	470.3	470.3	470.5	470.8	471.1	471.4	471.7
172.5°	472.7	472.0	472.0	471.9	471.8	471.8	471.9	472.3	472.7	473.1	473.4
175°	474.8	474.2	474.1	474.1	474.0	473.9	474.1	474.5	474.8	475.2	475.6
177.5°	475.6	475.1	475.0	474.9	474.9	474.8	474.9	475.3	475.6	475.9	476.2
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



TEST NUMBER: P332300

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-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°	11.5	9.2	8.9	7.8	8.0	7.4	8.0	7.4	7.1	7.6	6.8
90°	1.1	1.9	2.7	3.5	4.4	5.4	6.4	7.5	8.5	8.8	9.1
92.5°	6.4	6.1	5.9	5.7	6.0	6.7	7.5	8.3	9.0	9.5	10.1
95°	18.3	15.1	11.9	8.7	7.5	8.4	9.2	10.1	11.0	11.5	12.1
97.5°	41.9	40.4	39.0	37.5	34.0	28.3	22.7	17.0	11.4	12.0	12.6
100°	61.3	62.9	64.4	66.0	60.7	48.4	36.2	23.9	11.7	12.3	12.9
102.5°	79.5	80.6	81.8	82.9	76.8	63.4	50.0	36.6	23.3	21.3	19.4
105°	106.2	107.0	107.9	108.8	105.7	98.6	91.5	84.5	77.4	63.5	49.6
107.5°	134.4	135.1	135.8	136.5	137.4	138.5	139.6	140.7	141.8	131.6	121.5
110°	153.3	153.9	154.5	155.2	155.9	156.8	157.6	158.5	159.4	156.8	154.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.3	171.9	172.4	173.0	173.7	174.6	175.5	176.3	177.2	177.2	177.3
115°	198.0	198.5	198.9	199.4	200.0	200.7	201.4	202.1	202.8	203.6	204.4
117.5°	224.1	224.6	225.2	225.8	226.3	226.6	227.0	227.4	227.7	228.3	229.0
120°	240.3	241.0	241.7	242.4	242.9	243.1	243.4	243.6	243.8	244.5	245.1
122.5°	256.6	257.1	257.7	258.3	258.7	259.0	259.3	259.6	259.9	260.4	260.8
125°	279.1	279.7	280.3	281.0	281.4	281.8	282.1	282.4	282.7	282.9	283.0
127.5°	300.9	301.5	302.1	302.7	303.2	303.6	304.0	304.4	304.7	305.0	305.2
130°	314.4	315.0	315.7	316.3	316.8	317.1	317.4	317.7	318.0	318.3	318.7
132.5°	327.4	328.1	328.7	329.3	329.7	330.0	330.3	330.5	330.8	331.1	331.4
135°	347.1	347.6	348.1	348.5	348.9	349.2	349.6	349.9	350.2	350.4	350.7
137.5°	364.2	364.8	365.4	366.0	366.4	366.6	366.7	366.9	367.1	367.5	367.8
140°	375.4	375.9	376.3	376.8	377.2	377.4	377.6	377.9	378.1	378.4	378.7
142.5°	385.9	386.3	386.8	387.3	387.6	387.9	388.1	388.3	388.6	388.8	389.1
145°	400.6	401.1	401.7	402.2	402.6	402.7	402.9	403.0	403.2	403.4	403.5
147.5°	414.2	414.5	414.9	415.2	415.5	415.7	415.8	416.0	416.1	416.3	416.4
150°	422.5	422.7	423.0	423.2	423.4	423.6	423.7	423.9	424.0	424.2	424.4
152.5°	430.0	430.1	430.2	430.3	430.5	430.5	430.6	430.7	430.8	431.1	431.4
155°	440.5	440.3	440.2	440.0	440.0	440.1	440.1	440.2	440.3	440.7	441.1
157.5°	449.0	449.0	448.9	448.9	448.9	448.8	448.7	448.6	448.6	449.0	449.5
160°	454.0	453.9	453.8	453.8	453.7	453.6	453.5	453.5	453.4	453.8	454.3
162.5°	458.7	458.5	458.3	458.1	457.9	457.8	457.8	457.7	457.6	458.1	458.7
165°	464.4	464.2	464.0	463.7	463.6	463.5	463.4	463.3	463.3	463.9	464.5
167.5°	468.9	468.6	468.3	467.9	467.8	467.8	467.8	467.8	467.8	468.4	469.0
170°	471.4	471.1	470.8	470.5	470.3	470.3	470.3	470.3	470.3	471.0	471.6
172.5°	473.1	472.7	472.3	471.9	471.8	471.8	471.9	472.0	472.0	472.7	473.3
175°	475.2	474.8	474.5	474.1	473.9	474.0	474.1	474.1	474.2	474.8	475.3
177.5°	475.9	475.6	475.3	474.9	474.8	474.9	474.9	475.0	475.1	475.6	476.1
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



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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°	6.9	7.0	6.6	6.6	6.2	7.1	6.3
90°	9.4	9.7	10.0	10.1	10.3	10.4	10.6
92.5°	10.6	11.1	11.4	11.4	11.5	11.6	11.7
95°	12.6	13.2	13.4	13.4	13.4	13.4	13.4
97.5°	13.3	13.9	14.2	14.3	14.4	14.5	14.6
100°	13.5	14.2	14.5	14.6	14.7	14.8	14.8
102.5°	17.4	15.5	14.6	14.7	14.8	15.0	15.1
105°	35.7	21.8	14.9	15.1	15.2	15.4	15.5
107.5°	111.3	101.1	90.7	80.3	69.8	59.3	48.8
110°	151.6	149.0	142.1	130.9	119.6	108.4	97.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	177.3	177.4	176.2	173.8	171.5	169.1	166.7
115°	205.2	206.0	206.5	206.8	207.2	207.5	207.8
117.5°	229.6	230.2	230.6	230.6	230.7	230.8	230.8
120°	245.7	246.3	246.7	246.7	246.7	246.7	246.7
122.5°	261.3	261.7	261.9	262.0	262.1	262.1	262.2
125°	283.2	283.3	283.5	283.6	283.8	284.0	284.1
127.5°	305.5	305.8	305.8	305.6	305.5	305.3	305.2
130°	319.0	319.3	319.4	319.2	319.1	318.9	318.7
132.5°	331.7	332.0	332.1	331.8	331.6	331.4	331.2
135°	350.9	351.1	351.1	350.9	350.7	350.4	350.2
137.5°	368.2	368.6	368.7	368.5	368.4	368.2	368.1
140°	379.0	379.4	379.4	379.3	379.1	379.0	378.8
142.5°	389.3	389.6	389.6	389.4	389.1	388.9	388.7
145°	403.7	403.8	403.9	403.9	403.9	403.9	403.9
147.5°	416.6	416.8	416.7	416.3	415.9	415.6	415.2
150°	424.5	424.7	424.6	424.4	424.2	423.9	423.7
152.5°	431.7	432.0	431.9	431.6	431.2	430.8	430.5
155°	441.5	441.9	441.8	441.4	440.9	440.4	439.9
157.5°	450.0	450.5	450.4	449.8	449.2	448.5	447.9
160°	454.8	455.3	455.2	454.7	454.1	453.6	453.0
162.5°	459.2	459.7	459.8	459.3	458.8	458.3	457.8
165°	465.2	465.8	465.8	465.3	464.7	464.2	463.6
167.5°	469.7	470.3	470.3	469.7	469.0	468.4	467.8
170°	472.2	472.8	472.8	472.2	471.6	471.0	470.3
172.5°	473.9	474.5	474.5	473.8	473.1	472.4	471.7
175°	475.9	476.4	476.4	475.8	475.1	474.5	473.9
177.5°	476.6	477.1	477.0	476.4	475.8	475.1	474.5
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6

(END OF REPORT)