

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: P332313

Luminaire Tested: **S123RDIP-S775D805U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332313
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D805U835-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5805.6 lumens
Efficiency: N/A
Efficacy: 126.5 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: General Diffuse

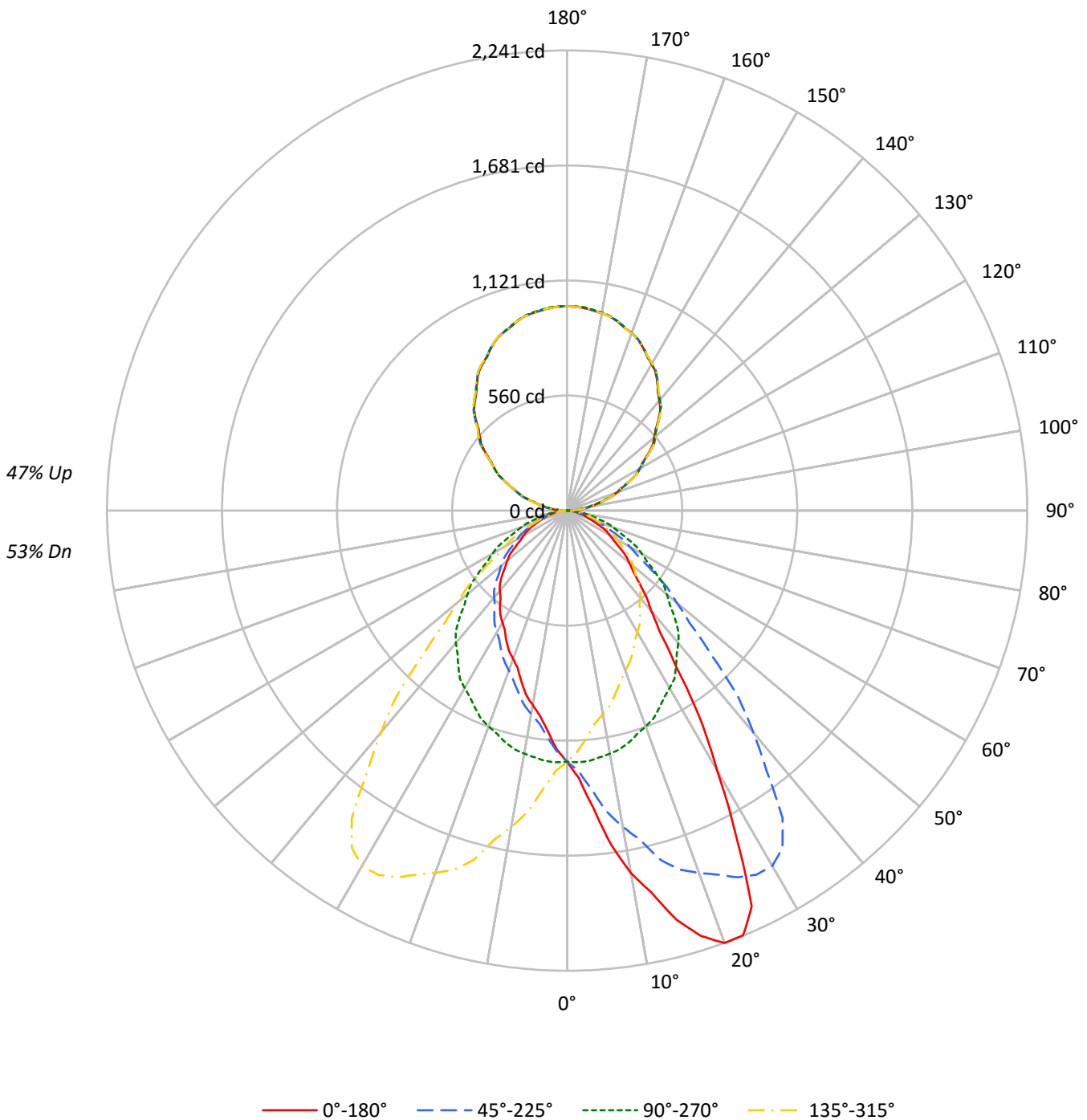
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	53
1	99	95	91	88	92	88	85	82	75	73	71	63	62	60	53	52	51	45
2	91	84	78	73	84	78	73	68	67	63	60	56	54	51	47	45	43	39
3	83	74	67	61	77	69	63	58	59	55	51	50	47	44	42	40	38	34
4	76	66	58	52	70	61	55	50	53	48	44	45	41	38	38	35	33	30
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	40	60	50	43	38	43	38	34	37	33	30	32	28	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	27	29	26	23	21
8	56	44	36	31	52	41	34	30	36	31	27	31	27	24	27	23	21	19
9	52	40	33	28	48	38	31	27	33	28	24	29	25	22	25	21	19	17
10	49	37	30	25	45	35	28	24	31	25	22	27	22	20	23	20	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	2.1
10°-20°	375.7	6.5
20°-30°	590.3	10.2
30°-40°	615.9	10.6
40°-50°	527.1	9.1
50°-60°	401.7	6.9
60°-70°	257.5	4.4
70°-80°	123.9	2.1
80°-90°	35.7	0.6
90°-100°	64.8	1.1
100°-110°	194.1	3.3
110°-120°	330.1	5.7
120°-130°	434.2	7.5
130°-140°	488.0	8.4
140°-150°	479.7	8.3
150°-160°	403.8	7.0
160°-170°	268.8	4.6
170°-180°	94.1	1.6
0°-30°	1086.3	18.7
0°-40°	1702.2	29.3
0°-60°	2631.0	45.3
0°-90°	3048.0	52.5
90°-120°	589.0	10.1
90°-150°	1990.8	34.3
90°-180°	2758.0	47.5
0°-180°	5805.6	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°	24	1	24	1	24	12
95°	61	46	61	46	61	63
105°	186	176	186	176	186	197
115°	333	332	333	332	333	330
125°	481	486	481	486	481	430
135°	630	631	630	631	630	484
145°	765	765	765	765	765	478
155°	875	876	875	876	875	403
165°	952	955	952	955	952	268
175°	989	993	989	993	989	94
180°	995	995	995	995	995	



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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°	8.9	9.6	8.7	9.1	9.0	9.3	9.2	9.1	9.8	9.2	9.2
90°	23.5	23.1	22.8	22.4	22.1	21.5	20.8	20.2	19.5	18.8	16.5
92.5°	31.6	31.8	32.0	32.2	32.4	32.2	31.7	31.1	30.6	30.0	28.7
95°	61.0	61.0	61.0	61.0	61.0	60.6	59.9	59.2	58.6	57.9	56.5
97.5°	93.8	93.9	94.0	94.0	94.1	93.7	92.9	92.1	91.3	90.5	89.5
100°	118.8	118.5	118.1	117.8	117.5	117.0	116.5	116.0	115.5	114.9	114.1
102.5°	144.5	144.6	144.6	144.7	144.8	144.5	144.0	143.5	143.0	142.5	141.3
105°	186.1	185.7	185.4	185.0	184.7	184.5	184.5	184.5	184.5	184.5	183.0
107.5°	229.4	229.6	229.8	230.0	230.2	230.1	229.5	228.9	228.4	227.8	227.2
110°	258.8	259.1	259.5	259.8	260.2	260.0	259.3	258.6	257.9	257.2	256.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	290.1	290.1	290.2	290.3	290.3	290.0	289.1	288.3	287.5	286.6	286.6
115°	333.1	333.2	333.4	333.6	333.8	333.8	333.6	333.4	333.2	333.1	333.4
117.5°	376.7	377.2	377.7	378.2	378.6	378.9	378.9	379.0	379.0	379.0	379.5
120°	407.3	407.7	408.0	408.4	408.7	409.0	409.2	409.3	409.5	409.7	410.6
122.5°	436.7	437.2	437.7	438.2	438.7	439.2	439.6	440.1	440.5	441.0	441.4
125°	480.8	481.5	482.2	482.9	483.6	484.3	485.0	485.7	486.4	487.1	487.4
127.5°	524.8	525.6	526.4	527.2	528.0	528.9	529.8	530.8	531.8	532.7	533.1
130°	553.5	554.8	556.0	557.2	558.4	559.4	560.1	560.8	561.4	562.1	562.7
132.5°	583.6	584.5	585.4	586.4	587.3	588.2	589.0	589.9	590.7	591.5	591.9
135°	630.2	630.5	630.9	631.2	631.6	632.1	632.8	633.5	634.2	634.9	635.0
137.5°	671.3	672.0	672.6	673.3	673.9	674.6	675.4	676.1	676.8	677.5	677.1
140°	698.2	699.4	700.6	701.8	703.1	703.7	703.9	704.1	704.3	704.4	704.3
142.5°	725.7	726.6	727.6	728.5	729.5	730.0	730.2	730.4	730.5	730.7	730.4
145°	765.4	766.1	766.8	767.5	768.2	768.6	768.8	769.0	769.2	769.3	768.8
147.5°	800.8	801.8	802.8	803.9	804.9	805.5	805.5	805.5	805.5	805.5	805.0
150°	823.3	824.3	825.4	826.4	827.5	828.0	828.0	828.0	828.0	828.0	827.6
152.5°	845.2	846.1	847.0	847.9	848.8	849.1	848.8	848.5	848.3	848.0	847.8
155°	874.9	876.1	877.3	878.5	879.7	880.0	879.3	878.6	877.9	877.2	877.1
157.5°	901.9	902.9	903.9	904.9	905.8	905.9	905.2	904.5	903.8	903.0	902.9
160°	919.4	920.1	920.8	921.5	922.2	922.1	921.3	920.4	919.5	918.7	918.7
162.5°	932.6	933.7	934.8	935.9	937.0	937.2	936.3	935.4	934.5	933.7	933.5
165°	951.5	952.7	953.9	955.2	956.4	956.5	955.4	954.4	953.3	952.3	952.3
167.5°	967.6	968.7	969.8	970.8	971.9	971.9	970.8	969.8	968.7	967.6	967.5
170°	975.7	977.0	978.2	979.4	980.6	980.6	979.4	978.2	977.0	975.7	975.7
172.5°	982.0	983.2	984.4	985.6	986.9	986.9	985.9	984.8	983.7	982.6	982.6
175°	989.0	990.2	991.5	992.7	993.9	994.0	992.9	991.9	990.9	989.8	989.8
177.5°	992.8	993.8	994.7	995.7	996.7	996.7	995.9	995.1	994.2	993.4	993.4
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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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°	9.6	8.7	9.1	8.7	9.6	9.6	11.8	13.6	14.3	13.0	13.3
90°	14.2	12.0	9.7	7.7	6.0	4.3	2.5	0.8	2.5	4.3	6.0
92.5°	27.5	26.2	24.9	23.6	22.5	21.3	20.1	18.9	20.1	21.3	22.5
95°	55.1	53.7	52.3	51.0	49.8	48.6	47.3	46.1	47.3	48.6	49.8
97.5°	88.5	87.5	86.5	85.6	84.6	83.7	82.8	81.9	82.8	83.7	84.6
100°	113.2	112.3	111.5	110.5	109.5	108.4	107.4	106.3	107.4	108.4	109.5
102.5°	140.2	139.0	137.9	137.0	136.4	135.7	135.1	134.5	135.1	135.7	136.4
105°	181.4	179.8	178.3	177.3	177.0	176.6	176.3	175.9	176.3	176.6	177.0
107.5°	226.6	226.0	225.3	224.9	224.7	224.5	224.3	224.1	224.3	224.5	224.7
110°	256.5	256.2	255.8	255.5	255.1	254.8	254.4	254.1	254.4	254.8	255.1



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	286.5	286.4	286.3	286.2	286.0	285.8	285.6	285.4	285.6	285.8	286.0
115°	333.8	334.1	334.5	334.4	333.8	333.3	332.8	332.3	332.8	333.3	333.8
117.5°	379.9	380.4	380.8	380.9	380.5	380.2	379.9	379.5	379.9	380.2	380.5
120°	411.4	412.3	413.2	413.1	412.0	411.0	409.9	408.9	409.9	411.0	412.0
122.5°	441.9	442.3	442.8	442.6	441.8	441.1	440.3	439.6	440.3	441.1	441.8
125°	487.8	488.1	488.5	488.4	487.9	487.3	486.8	486.3	486.8	487.3	487.9
127.5°	533.5	533.9	534.3	533.9	532.8	531.7	530.6	529.5	530.6	531.7	532.8
130°	563.2	563.7	564.2	563.8	562.4	561.0	559.6	558.2	559.6	561.0	562.4
132.5°	592.3	592.7	593.1	592.6	591.2	589.8	588.4	587.0	588.4	589.8	591.2
135°	635.2	635.4	635.6	635.1	634.1	633.0	632.0	630.9	632.0	633.0	634.1
137.5°	676.6	676.2	675.7	675.1	674.2	673.3	672.5	671.6	672.5	673.3	674.2
140°	704.1	703.9	703.7	703.2	702.4	701.5	700.6	699.7	700.6	701.5	702.4
142.5°	730.1	729.8	729.5	728.9	728.0	727.1	726.3	725.4	726.3	727.1	728.0
145°	768.3	767.8	767.2	766.8	766.5	766.1	765.8	765.4	765.8	766.1	766.5
147.5°	804.5	804.0	803.5	803.0	802.3	801.7	801.1	800.5	801.1	801.7	802.3
150°	827.3	826.9	826.6	826.2	825.9	825.5	825.2	824.8	825.2	825.5	825.9
152.5°	847.6	847.4	847.2	846.8	846.3	845.8	845.3	844.9	845.3	845.8	846.3
155°	876.9	876.7	876.5	876.4	876.4	876.4	876.4	876.4	876.4	876.4	876.4
157.5°	902.8	902.6	902.5	902.5	902.7	902.9	903.1	903.3	903.1	902.9	902.7
160°	918.7	918.7	918.7	918.8	919.2	919.5	919.9	920.2	919.9	919.5	919.2
162.5°	933.4	933.3	933.1	933.3	933.8	934.3	934.8	935.2	934.8	934.3	933.8
165°	952.3	952.3	952.3	952.5	953.1	953.6	954.1	954.6	954.1	953.6	953.1
167.5°	967.3	967.2	967.1	967.3	968.0	968.7	969.4	970.1	969.4	968.7	968.0
170°	975.7	975.7	975.7	976.1	976.8	977.5	978.2	978.9	978.2	977.5	976.8
172.5°	982.6	982.6	982.6	983.0	983.7	984.4	985.1	985.7	985.1	984.4	983.7
175°	989.8	989.8	989.8	990.2	990.9	991.6	992.2	992.9	992.2	991.6	990.9
177.5°	993.4	993.4	993.4	993.7	994.2	994.8	995.4	995.9	995.4	994.8	994.2
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

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°	13.3	14.9	15.8	16.7	17.5	17.6	18.1	18.3	18.8	19.0	19.1
90°	7.7	9.7	12.0	14.2	16.5	18.8	19.5	20.2	20.8	21.5	22.1
92.5°	23.6	24.9	26.2	27.5	28.7	30.0	30.6	31.1	31.7	32.2	32.4
95°	51.0	52.3	53.7	55.1	56.5	57.9	58.6	59.2	59.9	60.6	61.0
97.5°	85.6	86.5	87.5	88.5	89.5	90.5	91.3	92.1	92.9	93.7	94.1
100°	110.5	111.5	112.3	113.2	114.1	114.9	115.5	116.0	116.5	117.0	117.5
102.5°	137.0	137.9	139.0	140.2	141.3	142.5	143.0	143.5	144.0	144.5	144.8
105°	177.3	178.3	179.8	181.4	183.0	184.5	184.5	184.5	184.5	184.5	184.7
107.5°	224.9	225.3	226.0	226.6	227.2	227.8	228.4	228.9	229.5	230.1	230.2
110°	255.5	255.8	256.2	256.5	256.9	257.2	257.9	258.6	259.3	260.0	260.2



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	286.2	286.3	286.4	286.5	286.6	286.6	287.5	288.3	289.1	290.0	290.3
115°	334.4	334.5	334.1	333.8	333.4	333.1	333.2	333.4	333.6	333.8	333.8
117.5°	380.9	380.8	380.4	379.9	379.5	379.0	379.0	379.0	378.9	378.9	378.6
120°	413.1	413.2	412.3	411.4	410.6	409.7	409.5	409.3	409.2	409.0	408.7
122.5°	442.6	442.8	442.3	441.9	441.4	441.0	440.5	440.1	439.6	439.2	438.7
125°	488.4	488.5	488.1	487.8	487.4	487.1	486.4	485.7	485.0	484.3	483.6
127.5°	533.9	534.3	533.9	533.5	533.1	532.7	531.8	530.8	529.8	528.9	528.0
130°	563.8	564.2	563.7	563.2	562.7	562.1	561.4	560.8	560.1	559.4	558.4
132.5°	592.6	593.1	592.7	592.3	591.9	591.5	590.7	589.9	589.0	588.2	587.3
135°	635.1	635.6	635.4	635.2	635.0	634.9	634.2	633.5	632.8	632.1	631.6
137.5°	675.1	675.7	676.2	676.6	677.1	677.5	676.8	676.1	675.4	674.6	673.9
140°	703.2	703.7	703.9	704.1	704.3	704.4	704.3	704.1	703.9	703.7	703.1
142.5°	728.9	729.5	729.8	730.1	730.4	730.7	730.5	730.4	730.2	730.0	729.5
145°	766.8	767.2	767.8	768.3	768.8	769.3	769.2	769.0	768.8	768.6	768.2
147.5°	803.0	803.5	804.0	804.5	805.0	805.5	805.5	805.5	805.5	805.5	804.9
150°	826.2	826.6	826.9	827.3	827.6	828.0	828.0	828.0	828.0	828.0	827.5
152.5°	846.8	847.2	847.4	847.6	847.8	848.0	848.3	848.5	848.8	849.1	848.8
155°	876.4	876.5	876.7	876.9	877.1	877.2	877.9	878.6	879.3	880.0	879.7
157.5°	902.5	902.5	902.6	902.8	902.9	903.0	903.8	904.5	905.2	905.9	905.8
160°	918.8	918.7	918.7	918.7	918.7	918.7	919.5	920.4	921.3	922.1	922.2
162.5°	933.3	933.1	933.3	933.4	933.5	933.7	934.5	935.4	936.3	937.2	937.0
165°	952.5	952.3	952.3	952.3	952.3	952.3	953.3	954.4	955.4	956.5	956.4
167.5°	967.3	967.1	967.2	967.3	967.5	967.6	968.7	969.8	970.8	971.9	971.9
170°	976.1	975.7	975.7	975.7	975.7	975.7	977.0	978.2	979.4	980.6	980.6
172.5°	983.0	982.6	982.6	982.6	982.6	982.6	983.7	984.8	985.9	986.9	986.9
175°	990.2	989.8	989.8	989.8	989.8	989.8	990.9	991.9	992.9	994.0	993.9
177.5°	993.7	993.4	993.4	993.4	993.4	993.4	994.2	995.1	995.9	996.7	996.7
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

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°	20.0	19.2	19.3	19.8	19.3	19.2	20.0	19.1	19.0	18.8	18.3
90°	22.4	22.8	23.1	23.5	23.1	22.8	22.4	22.1	21.5	20.8	20.2
92.5°	32.2	32.0	31.8	31.6	31.8	32.0	32.2	32.4	32.2	31.7	31.1
95°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	60.6	59.9	59.2
97.5°	94.0	94.0	93.9	93.8	93.9	94.0	94.0	94.1	93.7	92.9	92.1
100°	117.8	118.1	118.5	118.8	118.5	118.1	117.8	117.5	117.0	116.5	116.0
102.5°	144.7	144.6	144.6	144.5	144.6	144.6	144.7	144.8	144.5	144.0	143.5
105°	185.0	185.4	185.7	186.1	185.7	185.4	185.0	184.7	184.5	184.5	184.5
107.5°	230.0	229.8	229.6	229.4	229.6	229.8	230.0	230.2	230.1	229.5	228.9
110°	259.8	259.5	259.1	258.8	259.1	259.5	259.8	260.2	260.0	259.3	258.6



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	290.3	290.2	290.1	290.1	290.1	290.2	290.3	290.3	290.0	289.1	288.3
115°	333.6	333.4	333.2	333.1	333.2	333.4	333.6	333.8	333.8	333.6	333.4
117.5°	378.2	377.7	377.2	376.7	377.2	377.7	378.2	378.6	378.9	378.9	379.0
120°	408.4	408.0	407.7	407.3	407.7	408.0	408.4	408.7	409.0	409.2	409.3
122.5°	438.2	437.7	437.2	436.7	437.2	437.7	438.2	438.7	439.2	439.6	440.1
125°	482.9	482.2	481.5	480.8	481.5	482.2	482.9	483.6	484.3	485.0	485.7
127.5°	527.2	526.4	525.6	524.8	525.6	526.4	527.2	528.0	528.9	529.8	530.8
130°	557.2	556.0	554.8	553.5	554.8	556.0	557.2	558.4	559.4	560.1	560.8
132.5°	586.4	585.4	584.5	583.6	584.5	585.4	586.4	587.3	588.2	589.0	589.9
135°	631.2	630.9	630.5	630.2	630.5	630.9	631.2	631.6	632.1	632.8	633.5
137.5°	673.3	672.6	672.0	671.3	672.0	672.6	673.3	673.9	674.6	675.4	676.1
140°	701.8	700.6	699.4	698.2	699.4	700.6	701.8	703.1	703.7	703.9	704.1
142.5°	728.5	727.6	726.6	725.7	726.6	727.6	728.5	729.5	730.0	730.2	730.4
145°	767.5	766.8	766.1	765.4	766.1	766.8	767.5	768.2	768.6	768.8	769.0
147.5°	803.9	802.8	801.8	800.8	801.8	802.8	803.9	804.9	805.5	805.5	805.5
150°	826.4	825.4	824.3	823.3	824.3	825.4	826.4	827.5	828.0	828.0	828.0
152.5°	847.9	847.0	846.1	845.2	846.1	847.0	847.9	848.8	849.1	848.8	848.5
155°	878.5	877.3	876.1	874.9	876.1	877.3	878.5	879.7	880.0	879.3	878.6
157.5°	904.9	903.9	902.9	901.9	902.9	903.9	904.9	905.8	905.9	905.2	904.5
160°	921.5	920.8	920.1	919.4	920.1	920.8	921.5	922.2	922.1	921.3	920.4
162.5°	935.9	934.8	933.7	932.6	933.7	934.8	935.9	937.0	937.2	936.3	935.4
165°	955.2	953.9	952.7	951.5	952.7	953.9	955.2	956.4	956.5	955.4	954.4
167.5°	970.8	969.8	968.7	967.6	968.7	969.8	970.8	971.9	971.9	970.8	969.8
170°	979.4	978.2	977.0	975.7	977.0	978.2	979.4	980.6	980.6	979.4	978.2
172.5°	985.6	984.4	983.2	982.0	983.2	984.4	985.6	986.9	986.9	985.9	984.8
175°	992.7	991.5	990.2	989.0	990.2	991.5	992.7	993.9	994.0	992.9	991.9
177.5°	995.7	994.7	993.8	992.8	993.8	994.7	995.7	996.7	996.7	995.9	995.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

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°	18.1	17.6	17.5	16.7	15.8	14.9	13.3	13.3	13.0	14.3	13.6
90°	19.5	18.8	16.5	14.2	12.0	9.7	7.7	6.0	4.3	2.5	0.8
92.5°	30.6	30.0	28.7	27.5	26.2	24.9	23.6	22.5	21.3	20.1	18.9
95°	58.6	57.9	56.5	55.1	53.7	52.3	51.0	49.8	48.6	47.3	46.1
97.5°	91.3	90.5	89.5	88.5	87.5	86.5	85.6	84.6	83.7	82.8	81.9
100°	115.5	114.9	114.1	113.2	112.3	111.5	110.5	109.5	108.4	107.4	106.3
102.5°	143.0	142.5	141.3	140.2	139.0	137.9	137.0	136.4	135.7	135.1	134.5
105°	184.5	184.5	183.0	181.4	179.8	178.3	177.3	177.0	176.6	176.3	175.9
107.5°	228.4	227.8	227.2	226.6	226.0	225.3	224.9	224.7	224.5	224.3	224.1
110°	257.9	257.2	256.9	256.5	256.2	255.8	255.5	255.1	254.8	254.4	254.1



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	287.5	286.6	286.6	286.5	286.4	286.3	286.2	286.0	285.8	285.6	285.4
115°	333.2	333.1	333.4	333.8	334.1	334.5	334.4	333.8	333.3	332.8	332.3
117.5°	379.0	379.0	379.5	379.9	380.4	380.8	380.9	380.5	380.2	379.9	379.5
120°	409.5	409.7	410.6	411.4	412.3	413.2	413.1	412.0	411.0	409.9	408.9
122.5°	440.5	441.0	441.4	441.9	442.3	442.8	442.6	441.8	441.1	440.3	439.6
125°	486.4	487.1	487.4	487.8	488.1	488.5	488.4	487.9	487.3	486.8	486.3
127.5°	531.8	532.7	533.1	533.5	533.9	534.3	533.9	532.8	531.7	530.6	529.5
130°	561.4	562.1	562.7	563.2	563.7	564.2	563.8	562.4	561.0	559.6	558.2
132.5°	590.7	591.5	591.9	592.3	592.7	593.1	592.6	591.2	589.8	588.4	587.0
135°	634.2	634.9	635.0	635.2	635.4	635.6	635.1	634.1	633.0	632.0	630.9
137.5°	676.8	677.5	677.1	676.6	676.2	675.7	675.1	674.2	673.3	672.5	671.6
140°	704.3	704.4	704.3	704.1	703.9	703.7	703.2	702.4	701.5	700.6	699.7
142.5°	730.5	730.7	730.4	730.1	729.8	729.5	728.9	728.0	727.1	726.3	725.4
145°	769.2	769.3	768.8	768.3	767.8	767.2	766.8	766.5	766.1	765.8	765.4
147.5°	805.5	805.5	805.0	804.5	804.0	803.5	803.0	802.3	801.7	801.1	800.5
150°	828.0	828.0	827.6	827.3	826.9	826.6	826.2	825.9	825.5	825.2	824.8
152.5°	848.3	848.0	847.8	847.6	847.4	847.2	846.8	846.3	845.8	845.3	844.9
155°	877.9	877.2	877.1	876.9	876.7	876.5	876.4	876.4	876.4	876.4	876.4
157.5°	903.8	903.0	902.9	902.8	902.6	902.5	902.5	902.7	902.9	903.1	903.3
160°	919.5	918.7	918.7	918.7	918.7	918.7	918.8	919.2	919.5	919.9	920.2
162.5°	934.5	933.7	933.5	933.4	933.3	933.1	933.3	933.8	934.3	934.8	935.2
165°	953.3	952.3	952.3	952.3	952.3	952.3	952.5	953.1	953.6	954.1	954.6
167.5°	968.7	967.6	967.5	967.3	967.2	967.1	967.3	968.0	968.7	969.4	970.1
170°	977.0	975.7	975.7	975.7	975.7	975.7	976.1	976.8	977.5	978.2	978.9
172.5°	983.7	982.6	982.6	982.6	982.6	982.6	983.0	983.7	984.4	985.1	985.7
175°	990.9	989.8	989.8	989.8	989.8	989.8	990.2	990.9	991.6	992.2	992.9
177.5°	994.2	993.4	993.4	993.4	993.4	993.4	993.7	994.2	994.8	995.4	995.9
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332313

CATALOG NUMBER: S123RDIP-S775D805U835-4F0-1E-UDD-A1

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	9.6	8.7	9.1	8.7	9.6	9.2	9.2	9.8	9.1
90°	2.5	4.3	6.0	7.7	9.7	12.0	14.2	16.5	18.8	19.5	20.2
92.5°	20.1	21.3	22.5	23.6	24.9	26.2	27.5	28.7	30.0	30.6	31.1
95°	47.3	48.6	49.8	51.0	52.3	53.7	55.1	56.5	57.9	58.6	59.2
97.5°	82.8	83.7	84.6	85.6	86.5	87.5	88.5	89.5	90.5	91.3	92.1
100°	107.4	108.4	109.5	110.5	111.5	112.3	113.2	114.1	114.9	115.5	116.0
102.5°	135.1	135.7	136.4	137.0	137.9	139.0	140.2	141.3	142.5	143.0	143.5
105°	176.3	176.6	177.0	177.3	178.3	179.8	181.4	183.0	184.5	184.5	184.5
107.5°	224.3	224.5	224.7	224.9	225.3	226.0	226.6	227.2	227.8	228.4	228.9
110°	254.4	254.8	255.1	255.5	255.8	256.2	256.5	256.9	257.2	257.9	258.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	285.6	285.8	286.0	286.2	286.3	286.4	286.5	286.6	286.6	287.5	288.3
115°	332.8	333.3	333.8	334.4	334.5	334.1	333.8	333.4	333.1	333.2	333.4
117.5°	379.9	380.2	380.5	380.9	380.8	380.4	379.9	379.5	379.0	379.0	379.0
120°	409.9	411.0	412.0	413.1	413.2	412.3	411.4	410.6	409.7	409.5	409.3
122.5°	440.3	441.1	441.8	442.6	442.8	442.3	441.9	441.4	441.0	440.5	440.1
125°	486.8	487.3	487.9	488.4	488.5	488.1	487.8	487.4	487.1	486.4	485.7
127.5°	530.6	531.7	532.8	533.9	534.3	533.9	533.5	533.1	532.7	531.8	530.8
130°	559.6	561.0	562.4	563.8	564.2	563.7	563.2	562.7	562.1	561.4	560.8
132.5°	588.4	589.8	591.2	592.6	593.1	592.7	592.3	591.9	591.5	590.7	589.9
135°	632.0	633.0	634.1	635.1	635.6	635.4	635.2	635.0	634.9	634.2	633.5
137.5°	672.5	673.3	674.2	675.1	675.7	676.2	676.6	677.1	677.5	676.8	676.1
140°	700.6	701.5	702.4	703.2	703.7	703.9	704.1	704.3	704.4	704.3	704.1
142.5°	726.3	727.1	728.0	728.9	729.5	729.8	730.1	730.4	730.7	730.5	730.4
145°	765.8	766.1	766.5	766.8	767.2	767.8	768.3	768.8	769.3	769.2	769.0
147.5°	801.1	801.7	802.3	803.0	803.5	804.0	804.5	805.0	805.5	805.5	805.5
150°	825.2	825.5	825.9	826.2	826.6	826.9	827.3	827.6	828.0	828.0	828.0
152.5°	845.3	845.8	846.3	846.8	847.2	847.4	847.6	847.8	848.0	848.3	848.5
155°	876.4	876.4	876.4	876.4	876.5	876.7	876.9	877.1	877.2	877.9	878.6
157.5°	903.1	902.9	902.7	902.5	902.5	902.6	902.8	902.9	903.0	903.8	904.5
160°	919.9	919.5	919.2	918.8	918.7	918.7	918.7	918.7	918.7	919.5	920.4
162.5°	934.8	934.3	933.8	933.3	933.1	933.3	933.4	933.5	933.7	934.5	935.4
165°	954.1	953.6	953.1	952.5	952.3	952.3	952.3	952.3	952.3	953.3	954.4
167.5°	969.4	968.7	968.0	967.3	967.1	967.2	967.3	967.5	967.6	968.7	969.8
170°	978.2	977.5	976.8	976.1	975.7	975.7	975.7	975.7	975.7	977.0	978.2
172.5°	985.1	984.4	983.7	983.0	982.6	982.6	982.6	982.6	982.6	983.7	984.8
175°	992.2	991.6	990.9	990.2	989.8	989.8	989.8	989.8	989.8	990.9	991.9
177.5°	995.4	994.8	994.2	993.7	993.4	993.4	993.4	993.4	993.4	994.2	995.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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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°	9.2	9.3	9.0	9.1	8.7	9.6	8.9
90°	20.8	21.5	22.1	22.4	22.8	23.1	23.5
92.5°	31.7	32.2	32.4	32.2	32.0	31.8	31.6
95°	59.9	60.6	61.0	61.0	61.0	61.0	61.0
97.5°	92.9	93.7	94.1	94.0	94.0	93.9	93.8
100°	116.5	117.0	117.5	117.8	118.1	118.5	118.8
102.5°	144.0	144.5	144.8	144.7	144.6	144.6	144.5
105°	184.5	184.5	184.7	185.0	185.4	185.7	186.1
107.5°	229.5	230.1	230.2	230.0	229.8	229.6	229.4
110°	259.3	260.0	260.2	259.8	259.5	259.1	258.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	289.1	290.0	290.3	290.3	290.2	290.1	290.1
115°	333.6	333.8	333.8	333.6	333.4	333.2	333.1
117.5°	378.9	378.9	378.6	378.2	377.7	377.2	376.7
120°	409.2	409.0	408.7	408.4	408.0	407.7	407.3
122.5°	439.6	439.2	438.7	438.2	437.7	437.2	436.7
125°	485.0	484.3	483.6	482.9	482.2	481.5	480.8
127.5°	529.8	528.9	528.0	527.2	526.4	525.6	524.8
130°	560.1	559.4	558.4	557.2	556.0	554.8	553.5
132.5°	589.0	588.2	587.3	586.4	585.4	584.5	583.6
135°	632.8	632.1	631.6	631.2	630.9	630.5	630.2
137.5°	675.4	674.6	673.9	673.3	672.6	672.0	671.3
140°	703.9	703.7	703.1	701.8	700.6	699.4	698.2
142.5°	730.2	730.0	729.5	728.5	727.6	726.6	725.7
145°	768.8	768.6	768.2	767.5	766.8	766.1	765.4
147.5°	805.5	805.5	804.9	803.9	802.8	801.8	800.8
150°	828.0	828.0	827.5	826.4	825.4	824.3	823.3
152.5°	848.8	849.1	848.8	847.9	847.0	846.1	845.2
155°	879.3	880.0	879.7	878.5	877.3	876.1	874.9
157.5°	905.2	905.9	905.8	904.9	903.9	902.9	901.9
160°	921.3	922.1	922.2	921.5	920.8	920.1	919.4
162.5°	936.3	937.2	937.0	935.9	934.8	933.7	932.6
165°	955.4	956.5	956.4	955.2	953.9	952.7	951.5
167.5°	970.8	971.9	971.9	970.8	969.8	968.7	967.6
170°	979.4	980.6	980.6	979.4	978.2	977.0	975.7
172.5°	985.9	986.9	986.9	985.6	984.4	983.2	982.0
175°	992.9	994.0	993.9	992.7	991.5	990.2	989.0
177.5°	995.9	996.7	996.7	995.7	994.7	993.8	992.8
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3

(END OF REPORT)