

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: P332302

Luminaire Tested: **S123RDIP-S775D365U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332302
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
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-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359.8 lumens
Efficiency: N/A
Efficacy: 124.6 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

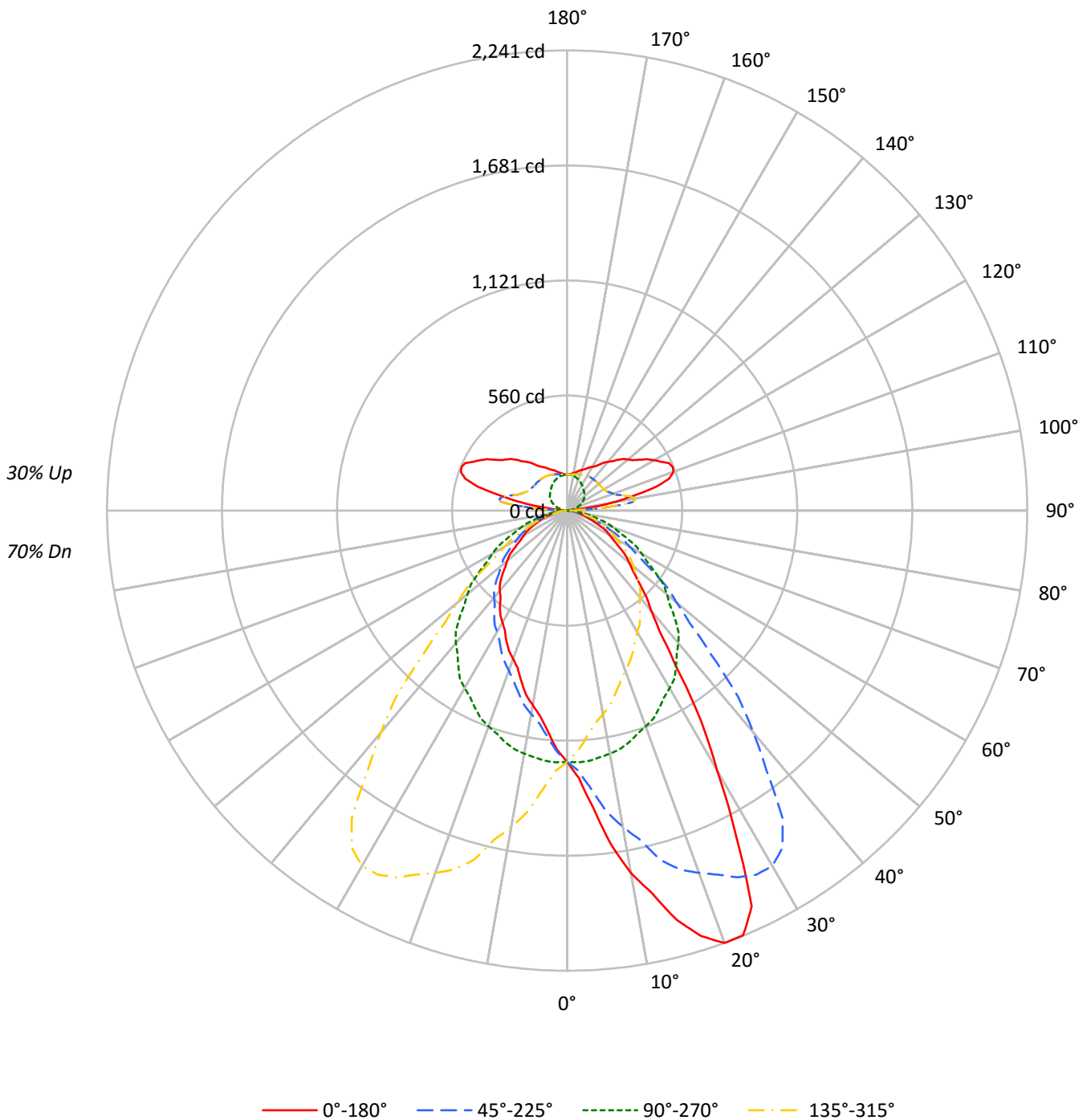
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70	
1	103	99	95	92	97	94	91	88	84	82	79	75	73	72	67	66	64	64	64	64	61	
2	95	87	81	76	89	83	78	73	75	71	67	67	64	61	60	58	56	56	56	56	52	
3	87	78	70	65	82	74	67	62	67	62	57	60	56	53	54	51	48	48	48	48	45	
4	80	69	62	56	75	66	59	54	60	54	50	54	50	46	49	45	42	42	42	42	39	
5	74	62	54	48	70	59	52	47	54	48	43	49	44	40	44	40	37	37	37	37	35	
6	68	56	48	42	64	54	46	41	49	43	38	45	40	36	40	36	33	33	33	33	31	
7	63	51	43	38	60	49	42	37	45	39	34	41	36	32	37	33	30	30	30	30	28	
8	59	47	39	34	56	45	38	33	41	35	31	38	33	29	34	30	27	27	27	27	25	
9	55	43	35	30	52	41	34	29	38	32	28	35	30	26	32	28	25	25	25	25	23	
10	52	40	32	27	49	38	31	27	35	29	25	32	27	24	30	25	22	22	22	22	21	

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	2.8
10°-20°	375.7	8.6
20°-30°	590.3	13.5
30°-40°	615.9	14.1
40°-50°	527.1	12.1
50°-60°	401.7	9.2
60°-70°	257.5	5.9
70°-80°	123.9	2.8
80°-90°	34.1	0.8
90°-100°	97.2	2.2
100°-110°	275.1	6.3
110°-120°	270.6	6.2
120°-130°	215.9	5.0
130°-140°	170.2	3.9
140°-150°	127.0	2.9
150°-160°	88.5	2.0
160°-170°	52.0	1.2
170°-180°	16.9	0.4
0°-30°	1086.3	24.9
0°-40°	1702.2	39.0
0°-60°	2631.0	60.3
0°-90°	3046.5	69.9
90°-120°	642.9	14.7
90°-150°	1155.9	26.5
90°-180°	1313.0	30.1
0°-180°	4359.8	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°	10	1	10	1	10	6
95°	41	12	41	12	41	74
105°	450	41	450	41	450	443
115°	547	72	547	72	547	531
125°	431	101	431	101	431	391
135°	350	118	350	118	350	271
145°	273	135	273	135	273	174
155°	226	153	226	153	226	106
165°	198	167	198	167	198	56
175°	178	174	178	174	178	17
180°	175	175	175	175	175	



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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°	6.2	7.1	6.2	6.6	6.7	6.9	6.9	6.8	7.6	7.2	7.4
90°	10.2	10.6	10.2	9.9	10.2	9.5	9.2	8.8	8.5	8.8	7.8
92.5°	17.0	17.7	17.3	18.4	19.0	20.8	23.6	29.8	41.0	54.3	59.8
95°	41.0	42.4	44.9	48.1	54.8	67.5	86.2	127.2	170.0	209.6	186.6
97.5°	111.6	114.6	124.2	140.1	166.2	208.4	254.0	317.1	347.4	324.8	237.8
100°	221.6	221.2	235.0	260.8	296.5	346.7	388.0	416.6	404.3	334.7	226.2
102.5°	325.0	333.2	344.7	365.1	392.9	424.7	448.8	449.7	407.1	316.3	209.2
105°	449.5	451.3	462.6	476.0	492.3	501.4	494.7	459.4	385.5	284.1	188.4
107.5°	521.2	524.4	528.2	532.8	532.5	519.9	488.9	431.5	347.8	255.7	175.1
110°	550.6	551.3	552.0	549.2	539.3	514.5	470.0	405.0	324.1	239.6	170.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	556.5	556.4	553.7	544.9	526.8	495.0	445.1	378.7	303.4	228.8	167.1
115°	546.7	544.9	537.8	522.3	495.8	457.3	405.3	343.8	278.5	217.3	166.1
117.5°	515.4	513.0	502.9	485.1	457.4	418.3	371.7	318.6	263.4	210.5	166.7
120°	489.4	487.3	478.8	459.0	431.1	395.4	353.0	305.3	255.5	207.4	167.9
122.5°	465.1	462.4	453.1	435.3	410.5	377.3	338.0	294.9	249.0	205.5	169.8
125°	431.1	428.7	419.8	404.3	381.7	353.4	319.5	280.9	240.7	202.8	172.8
127.5°	403.1	400.9	392.9	379.6	359.5	333.7	303.1	268.8	233.3	201.6	176.2
130°	387.3	384.5	377.1	364.3	345.6	321.6	293.0	261.1	229.3	200.7	178.5
132.5°	371.8	369.8	363.2	350.5	332.9	310.0	283.3	254.1	225.7	200.4	180.2
135°	349.5	347.0	340.7	330.1	312.7	292.6	269.6	244.5	220.9	200.0	182.7
137.5°	326.0	324.3	319.0	308.2	293.7	276.2	256.4	235.8	216.7	199.2	184.4
140°	309.6	309.9	304.3	294.4	280.9	265.7	248.8	230.8	214.1	199.0	185.5
142.5°	294.3	294.6	289.6	280.8	269.3	256.1	241.4	226.0	211.9	198.4	186.4
145°	273.2	272.5	269.6	262.2	253.4	243.1	231.8	220.2	208.8	197.5	186.9
147.5°	255.8	255.5	252.8	247.8	241.1	233.8	224.7	215.4	205.9	196.2	186.9
150°	245.6	245.6	243.5	239.6	234.3	227.6	220.2	212.0	203.9	195.1	186.9
152.5°	237.1	237.1	235.8	232.2	228.1	222.5	215.9	208.9	201.6	193.7	186.1
155°	226.5	226.2	225.5	222.6	219.4	215.2	209.9	204.3	198.2	191.2	185.2
157.5°	216.8	216.9	216.3	214.2	211.5	208.1	204.0	199.3	194.4	189.0	184.0
160°	210.6	211.0	211.0	208.8	206.4	203.9	200.4	196.5	191.9	187.3	183.4
162.5°	205.0	205.3	205.3	203.5	201.9	199.7	196.4	193.1	189.3	185.6	182.3
165°	197.5	197.5	197.9	196.5	195.1	193.3	190.8	188.7	185.9	183.1	180.6
167.5°	190.5	190.5	190.8	189.8	189.2	187.9	186.5	184.9	182.6	180.5	178.9
170°	186.2	186.2	186.6	185.9	185.5	184.8	183.4	182.3	180.6	178.8	177.8
172.5°	182.3	182.6	183.2	182.5	182.4	182.0	180.9	180.1	178.6	177.4	176.9
175°	177.8	178.1	178.5	178.1	178.1	178.1	177.4	177.0	176.3	175.6	175.6
177.5°	175.1	175.1	175.7	175.4	175.7	175.7	175.4	175.1	174.9	174.6	174.9
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



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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	7.9	9.0	9.2	11.6	13.5	14.1	12.6	12.8
90°	6.7	5.7	4.6	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	44.9	29.7	20.4	15.2	12.2	9.5	6.5	4.4	6.5	9.5	12.2
95°	128.6	76.0	45.9	32.2	23.0	17.0	13.1	12.0	13.1	17.0	23.0
97.5°	141.1	81.8	53.1	38.2	29.1	23.9	20.8	20.5	20.8	23.9	29.1
100°	133.2	80.9	56.2	42.4	33.9	29.0	26.5	26.2	26.5	29.0	33.9
102.5°	126.4	82.1	59.9	47.2	39.6	34.9	32.7	32.1	32.7	34.9	39.6
105°	121.6	85.2	66.1	55.1	48.4	44.2	42.1	41.0	42.1	44.2	48.4
107.5°	121.2	91.0	74.2	64.0	57.7	53.6	51.5	50.5	51.5	53.6	57.7
110°	122.6	95.8	79.9	70.0	64.0	60.1	58.3	57.2	58.3	60.1	64.0



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	125.5	100.6	85.8	76.2	70.2	66.3	64.5	63.5	64.5	66.3	70.2
115°	130.0	108.5	95.1	85.5	79.5	76.0	73.9	72.4	73.9	76.0	79.5
117.5°	136.1	116.9	103.6	94.8	88.1	84.8	83.0	81.4	83.0	84.8	88.1
120°	140.6	122.3	109.5	100.7	94.0	90.5	88.7	87.6	88.7	90.5	94.0
122.5°	144.9	127.9	115.5	106.1	99.7	95.8	94.1	93.0	94.1	95.8	99.7
125°	151.6	136.1	123.7	114.1	107.4	103.5	101.4	100.7	101.4	103.5	107.4
127.5°	157.1	143.1	131.2	121.6	114.2	110.3	107.6	106.6	107.6	110.3	114.2
130°	160.8	147.4	135.7	126.2	118.7	114.5	111.3	110.3	111.3	114.5	118.7
132.5°	164.2	151.0	139.7	130.4	123.0	117.9	114.4	113.1	114.4	117.9	123.0
135°	168.6	156.5	145.6	136.1	128.6	123.3	119.4	118.0	119.4	123.3	128.6
137.5°	171.8	160.4	149.8	141.0	133.6	128.0	124.2	122.7	124.2	128.0	133.6
140°	173.5	162.9	152.7	143.8	136.8	131.1	127.6	125.8	127.6	131.1	136.8
142.5°	175.2	164.9	154.9	146.7	139.6	134.5	130.7	129.2	130.7	134.5	139.6
145°	177.0	167.5	158.3	150.2	144.2	138.9	135.7	134.6	135.7	138.9	144.2
147.5°	178.2	169.6	161.2	154.3	148.5	143.9	140.8	140.2	140.8	143.9	148.5
150°	178.5	171.0	162.9	156.5	151.6	147.0	144.2	143.8	144.2	147.0	151.6
152.5°	179.0	171.9	164.9	158.8	154.4	150.4	147.6	147.5	147.6	150.4	154.4
155°	179.2	173.5	167.5	162.6	158.7	155.1	153.0	153.0	153.0	155.1	158.7
157.5°	179.5	174.4	169.6	165.8	162.5	159.4	157.7	157.4	157.7	159.4	162.5
160°	179.5	175.3	171.0	167.5	165.0	162.2	160.8	160.8	160.8	162.2	165.0
162.5°	179.2	175.6	171.9	168.9	166.7	164.5	163.3	163.3	163.3	164.5	166.7
165°	178.5	176.0	173.2	170.7	169.3	167.5	166.8	167.1	166.8	167.5	169.3
167.5°	177.9	175.9	173.9	172.3	171.3	170.0	169.6	170.0	169.6	170.0	171.3
170°	177.0	175.6	173.9	173.2	172.4	171.4	171.0	171.7	171.0	171.4	172.4
172.5°	176.8	175.6	174.1	173.7	173.3	172.5	172.4	172.9	172.4	172.5	173.3
175°	176.0	175.3	174.6	174.2	174.2	173.5	173.9	174.2	173.9	173.5	174.2
177.5°	175.4	174.9	174.6	174.6	174.6	174.3	174.6	174.9	174.6	174.3	174.6
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

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°	12.5	13.9	14.5	15.2	15.8	15.6	15.9	16.0	16.5	16.6	16.7
90°	3.9	4.6	5.7	6.7	7.8	8.8	8.5	8.8	9.2	9.5	10.2
92.5°	15.2	20.4	29.7	44.9	59.8	54.3	41.0	29.8	23.6	20.8	19.0
95°	32.2	45.9	76.0	128.6	186.6	209.6	170.0	127.2	86.2	67.5	54.8
97.5°	38.2	53.1	81.8	141.1	237.8	324.8	347.4	317.1	254.0	208.4	166.2
100°	42.4	56.2	80.9	133.2	226.2	334.7	404.3	416.6	388.0	346.7	296.5
102.5°	47.2	59.9	82.1	126.4	209.2	316.3	407.1	449.7	448.8	424.7	392.9
105°	55.1	66.1	85.2	121.6	188.4	284.1	385.5	459.4	494.7	501.4	492.3
107.5°	64.0	74.2	91.0	121.2	175.1	255.7	347.8	431.5	488.9	519.9	532.5
110°	70.0	79.9	95.8	122.6	170.0	239.6	324.1	405.0	470.0	514.5	539.3



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	76.2	85.8	100.6	125.5	167.1	228.8	303.4	378.7	445.1	495.0	526.8
115°	85.5	95.1	108.5	130.0	166.1	217.3	278.5	343.8	405.3	457.3	495.8
117.5°	94.8	103.6	116.9	136.1	166.7	210.5	263.4	318.6	371.7	418.3	457.4
120°	100.7	109.5	122.3	140.6	167.9	207.4	255.5	305.3	353.0	395.4	431.1
122.5°	106.1	115.5	127.9	144.9	169.8	205.5	249.0	294.9	338.0	377.3	410.5
125°	114.1	123.7	136.1	151.6	172.8	202.8	240.7	280.9	319.5	353.4	381.7
127.5°	121.6	131.2	143.1	157.1	176.2	201.6	233.3	268.8	303.1	333.7	359.5
130°	126.2	135.7	147.4	160.8	178.5	200.7	229.3	261.1	293.0	321.6	345.6
132.5°	130.4	139.7	151.0	164.2	180.2	200.4	225.7	254.1	283.3	310.0	332.9
135°	136.1	145.6	156.5	168.6	182.7	200.0	220.9	244.5	269.6	292.6	312.7
137.5°	141.0	149.8	160.4	171.8	184.4	199.2	216.7	235.8	256.4	276.2	293.7
140°	143.8	152.7	162.9	173.5	185.5	199.0	214.1	230.8	248.8	265.7	280.9
142.5°	146.7	154.9	164.9	175.2	186.4	198.4	211.9	226.0	241.4	256.1	269.3
145°	150.2	158.3	167.5	177.0	186.9	197.5	208.8	220.2	231.8	243.1	253.4
147.5°	154.3	161.2	169.6	178.2	186.9	196.2	205.9	215.4	224.7	233.8	241.1
150°	156.5	162.9	171.0	178.5	186.9	195.1	203.9	212.0	220.2	227.6	234.3
152.5°	158.8	164.9	171.9	179.0	186.1	193.7	201.6	208.9	215.9	222.5	228.1
155°	162.6	167.5	173.5	179.2	185.2	191.2	198.2	204.3	209.9	215.2	219.4
157.5°	165.8	169.6	174.4	179.5	184.0	189.0	194.4	199.3	204.0	208.1	211.5
160°	167.5	171.0	175.3	179.5	183.4	187.3	191.9	196.5	200.4	203.9	206.4
162.5°	168.9	171.9	175.6	179.2	182.3	185.6	189.3	193.1	196.4	199.7	201.9
165°	170.7	173.2	176.0	178.5	180.6	183.1	185.9	188.7	190.8	193.3	195.1
167.5°	172.3	173.9	175.9	177.9	178.9	180.5	182.6	184.9	186.5	187.9	189.2
170°	173.2	173.9	175.6	177.0	177.8	178.8	180.6	182.3	183.4	184.8	185.5
172.5°	173.7	174.1	175.6	176.8	176.9	177.4	178.6	180.1	180.9	182.0	182.4
175°	174.2	174.6	175.3	176.0	175.6	175.6	176.3	177.0	177.4	178.1	178.1
177.5°	174.6	174.6	174.9	175.4	174.9	174.6	174.9	175.1	175.4	175.7	175.7
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

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	16.8	17.1	16.8	16.7	17.5	16.7	16.6	16.5	16.0
90°	9.9	10.2	10.6	10.2	10.6	10.2	9.9	10.2	9.5	9.2	8.8
92.5°	18.4	17.3	17.7	17.0	17.7	17.3	18.4	19.0	20.8	23.6	29.8
95°	48.1	44.9	42.4	41.0	42.4	44.9	48.1	54.8	67.5	86.2	127.2
97.5°	140.1	124.2	114.6	111.6	114.6	124.2	140.1	166.2	208.4	254.0	317.1
100°	260.8	235.0	221.2	221.6	221.2	235.0	260.8	296.5	346.7	388.0	416.6
102.5°	365.1	344.7	333.2	325.0	333.2	344.7	365.1	392.9	424.7	448.8	449.7
105°	476.0	462.6	451.3	449.5	451.3	462.6	476.0	492.3	501.4	494.7	459.4
107.5°	532.8	528.2	524.4	521.2	524.4	528.2	532.8	532.5	519.9	488.9	431.5
110°	549.2	552.0	551.3	550.6	551.3	552.0	549.2	539.3	514.5	470.0	405.0



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	544.9	553.7	556.4	556.5	556.4	553.7	544.9	526.8	495.0	445.1	378.7
115°	522.3	537.8	544.9	546.7	544.9	537.8	522.3	495.8	457.3	405.3	343.8
117.5°	485.1	502.9	513.0	515.4	513.0	502.9	485.1	457.4	418.3	371.7	318.6
120°	459.0	478.8	487.3	489.4	487.3	478.8	459.0	431.1	395.4	353.0	305.3
122.5°	435.3	453.1	462.4	465.1	462.4	453.1	435.3	410.5	377.3	338.0	294.9
125°	404.3	419.8	428.7	431.1	428.7	419.8	404.3	381.7	353.4	319.5	280.9
127.5°	379.6	392.9	400.9	403.1	400.9	392.9	379.6	359.5	333.7	303.1	268.8
130°	364.3	377.1	384.5	387.3	384.5	377.1	364.3	345.6	321.6	293.0	261.1
132.5°	350.5	363.2	369.8	371.8	369.8	363.2	350.5	332.9	310.0	283.3	254.1
135°	330.1	340.7	347.0	349.5	347.0	340.7	330.1	312.7	292.6	269.6	244.5
137.5°	308.2	319.0	324.3	326.0	324.3	319.0	308.2	293.7	276.2	256.4	235.8
140°	294.4	304.3	309.9	309.6	309.9	304.3	294.4	280.9	265.7	248.8	230.8
142.5°	280.8	289.6	294.6	294.3	294.6	289.6	280.8	269.3	256.1	241.4	226.0
145°	262.2	269.6	272.5	273.2	272.5	269.6	262.2	253.4	243.1	231.8	220.2
147.5°	247.8	252.8	255.5	255.8	255.5	252.8	247.8	241.1	233.8	224.7	215.4
150°	239.6	243.5	245.6	245.6	245.6	243.5	239.6	234.3	227.6	220.2	212.0
152.5°	232.2	235.8	237.1	237.1	237.1	235.8	232.2	228.1	222.5	215.9	208.9
155°	222.6	225.5	226.2	226.5	226.2	225.5	222.6	219.4	215.2	209.9	204.3
157.5°	214.2	216.3	216.9	216.8	216.9	216.3	214.2	211.5	208.1	204.0	199.3
160°	208.8	211.0	211.0	210.6	211.0	211.0	208.8	206.4	203.9	200.4	196.5
162.5°	203.5	205.3	205.3	205.0	205.3	205.3	203.5	201.9	199.7	196.4	193.1
165°	196.5	197.9	197.5	197.5	197.5	197.9	196.5	195.1	193.3	190.8	188.7
167.5°	189.8	190.8	190.5	190.5	190.5	190.8	189.8	189.2	187.9	186.5	184.9
170°	185.9	186.6	186.2	186.2	186.2	186.6	185.9	185.5	184.8	183.4	182.3
172.5°	182.5	183.2	182.6	182.3	182.6	183.2	182.5	182.4	182.0	180.9	180.1
175°	178.1	178.5	178.1	177.8	178.1	178.5	178.1	178.1	178.1	177.4	177.0
177.5°	175.4	175.7	175.1	175.1	175.1	175.7	175.4	175.7	175.7	175.4	175.1
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

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°	15.9	15.6	15.8	15.2	14.5	13.9	12.5	12.8	12.6	14.1	13.5
90°	8.5	8.8	7.8	6.7	5.7	4.6	3.9	3.2	2.1	1.4	0.7
92.5°	41.0	54.3	59.8	44.9	29.7	20.4	15.2	12.2	9.5	6.5	4.4
95°	170.0	209.6	186.6	128.6	76.0	45.9	32.2	23.0	17.0	13.1	12.0
97.5°	347.4	324.8	237.8	141.1	81.8	53.1	38.2	29.1	23.9	20.8	20.5
100°	404.3	334.7	226.2	133.2	80.9	56.2	42.4	33.9	29.0	26.5	26.2
102.5°	407.1	316.3	209.2	126.4	82.1	59.9	47.2	39.6	34.9	32.7	32.1
105°	385.5	284.1	188.4	121.6	85.2	66.1	55.1	48.4	44.2	42.1	41.0
107.5°	347.8	255.7	175.1	121.2	91.0	74.2	64.0	57.7	53.6	51.5	50.5
110°	324.1	239.6	170.0	122.6	95.8	79.9	70.0	64.0	60.1	58.3	57.2



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	303.4	228.8	167.1	125.5	100.6	85.8	76.2	70.2	66.3	64.5	63.5
115°	278.5	217.3	166.1	130.0	108.5	95.1	85.5	79.5	76.0	73.9	72.4
117.5°	263.4	210.5	166.7	136.1	116.9	103.6	94.8	88.1	84.8	83.0	81.4
120°	255.5	207.4	167.9	140.6	122.3	109.5	100.7	94.0	90.5	88.7	87.6
122.5°	249.0	205.5	169.8	144.9	127.9	115.5	106.1	99.7	95.8	94.1	93.0
125°	240.7	202.8	172.8	151.6	136.1	123.7	114.1	107.4	103.5	101.4	100.7
127.5°	233.3	201.6	176.2	157.1	143.1	131.2	121.6	114.2	110.3	107.6	106.6
130°	229.3	200.7	178.5	160.8	147.4	135.7	126.2	118.7	114.5	111.3	110.3
132.5°	225.7	200.4	180.2	164.2	151.0	139.7	130.4	123.0	117.9	114.4	113.1
135°	220.9	200.0	182.7	168.6	156.5	145.6	136.1	128.6	123.3	119.4	118.0
137.5°	216.7	199.2	184.4	171.8	160.4	149.8	141.0	133.6	128.0	124.2	122.7
140°	214.1	199.0	185.5	173.5	162.9	152.7	143.8	136.8	131.1	127.6	125.8
142.5°	211.9	198.4	186.4	175.2	164.9	154.9	146.7	139.6	134.5	130.7	129.2
145°	208.8	197.5	186.9	177.0	167.5	158.3	150.2	144.2	138.9	135.7	134.6
147.5°	205.9	196.2	186.9	178.2	169.6	161.2	154.3	148.5	143.9	140.8	140.2
150°	203.9	195.1	186.9	178.5	171.0	162.9	156.5	151.6	147.0	144.2	143.8
152.5°	201.6	193.7	186.1	179.0	171.9	164.9	158.8	154.4	150.4	147.6	147.5
155°	198.2	191.2	185.2	179.2	173.5	167.5	162.6	158.7	155.1	153.0	153.0
157.5°	194.4	189.0	184.0	179.5	174.4	169.6	165.8	162.5	159.4	157.7	157.4
160°	191.9	187.3	183.4	179.5	175.3	171.0	167.5	165.0	162.2	160.8	160.8
162.5°	189.3	185.6	182.3	179.2	175.6	171.9	168.9	166.7	164.5	163.3	163.3
165°	185.9	183.1	180.6	178.5	176.0	173.2	170.7	169.3	167.5	166.8	167.1
167.5°	182.6	180.5	178.9	177.9	175.9	173.9	172.3	171.3	170.0	169.6	170.0
170°	180.6	178.8	177.8	177.0	175.6	173.9	173.2	172.4	171.4	171.0	171.7
172.5°	178.6	177.4	176.9	176.8	175.6	174.1	173.7	173.3	172.5	172.4	172.9
175°	176.3	175.6	175.6	176.0	175.3	174.6	174.2	174.2	173.5	173.9	174.2
177.5°	174.9	174.6	174.9	175.4	174.9	174.6	174.6	174.6	174.3	174.6	174.9
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332302

CATALOG NUMBER: S123RDIP-S775D365U835-4F0-1E-UDD-A4

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°	11.6	9.2	9.0	7.9	8.0	7.4	8.0	7.4	7.2	7.6	6.8
90°	1.4	2.1	3.2	3.9	4.6	5.7	6.7	7.8	8.8	8.5	8.8
92.5°	6.5	9.5	12.2	15.2	20.4	29.7	44.9	59.8	54.3	41.0	29.8
95°	13.1	17.0	23.0	32.2	45.9	76.0	128.6	186.6	209.6	170.0	127.2
97.5°	20.8	23.9	29.1	38.2	53.1	81.8	141.1	237.8	324.8	347.4	317.1
100°	26.5	29.0	33.9	42.4	56.2	80.9	133.2	226.2	334.7	404.3	416.6
102.5°	32.7	34.9	39.6	47.2	59.9	82.1	126.4	209.2	316.3	407.1	449.7
105°	42.1	44.2	48.4	55.1	66.1	85.2	121.6	188.4	284.1	385.5	459.4
107.5°	51.5	53.6	57.7	64.0	74.2	91.0	121.2	175.1	255.7	347.8	431.5
110°	58.3	60.1	64.0	70.0	79.9	95.8	122.6	170.0	239.6	324.1	405.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	64.5	66.3	70.2	76.2	85.8	100.6	125.5	167.1	228.8	303.4	378.7
115°	73.9	76.0	79.5	85.5	95.1	108.5	130.0	166.1	217.3	278.5	343.8
117.5°	83.0	84.8	88.1	94.8	103.6	116.9	136.1	166.7	210.5	263.4	318.6
120°	88.7	90.5	94.0	100.7	109.5	122.3	140.6	167.9	207.4	255.5	305.3
122.5°	94.1	95.8	99.7	106.1	115.5	127.9	144.9	169.8	205.5	249.0	294.9
125°	101.4	103.5	107.4	114.1	123.7	136.1	151.6	172.8	202.8	240.7	280.9
127.5°	107.6	110.3	114.2	121.6	131.2	143.1	157.1	176.2	201.6	233.3	268.8
130°	111.3	114.5	118.7	126.2	135.7	147.4	160.8	178.5	200.7	229.3	261.1
132.5°	114.4	117.9	123.0	130.4	139.7	151.0	164.2	180.2	200.4	225.7	254.1
135°	119.4	123.3	128.6	136.1	145.6	156.5	168.6	182.7	200.0	220.9	244.5
137.5°	124.2	128.0	133.6	141.0	149.8	160.4	171.8	184.4	199.2	216.7	235.8
140°	127.6	131.1	136.8	143.8	152.7	162.9	173.5	185.5	199.0	214.1	230.8
142.5°	130.7	134.5	139.6	146.7	154.9	164.9	175.2	186.4	198.4	211.9	226.0
145°	135.7	138.9	144.2	150.2	158.3	167.5	177.0	186.9	197.5	208.8	220.2
147.5°	140.8	143.9	148.5	154.3	161.2	169.6	178.2	186.9	196.2	205.9	215.4
150°	144.2	147.0	151.6	156.5	162.9	171.0	178.5	186.9	195.1	203.9	212.0
152.5°	147.6	150.4	154.4	158.8	164.9	171.9	179.0	186.1	193.7	201.6	208.9
155°	153.0	155.1	158.7	162.6	167.5	173.5	179.2	185.2	191.2	198.2	204.3
157.5°	157.7	159.4	162.5	165.8	169.6	174.4	179.5	184.0	189.0	194.4	199.3
160°	160.8	162.2	165.0	167.5	171.0	175.3	179.5	183.4	187.3	191.9	196.5
162.5°	163.3	164.5	166.7	168.9	171.9	175.6	179.2	182.3	185.6	189.3	193.1
165°	166.8	167.5	169.3	170.7	173.2	176.0	178.5	180.6	183.1	185.9	188.7
167.5°	169.6	170.0	171.3	172.3	173.9	175.9	177.9	178.9	180.5	182.6	184.9
170°	171.0	171.4	172.4	173.2	173.9	175.6	177.0	177.8	178.8	180.6	182.3
172.5°	172.4	172.5	173.3	173.7	174.1	175.6	176.8	176.9	177.4	178.6	180.1
175°	173.9	173.5	174.2	174.2	174.6	175.3	176.0	175.6	175.6	176.3	177.0
177.5°	174.6	174.3	174.6	174.6	174.6	174.9	175.4	174.9	174.6	174.9	175.1
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



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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	6.9	6.7	6.6	6.2	7.1	6.2
90°	9.2	9.5	10.2	9.9	10.2	10.6	10.2
92.5°	23.6	20.8	19.0	18.4	17.3	17.7	17.0
95°	86.2	67.5	54.8	48.1	44.9	42.4	41.0
97.5°	254.0	208.4	166.2	140.1	124.2	114.6	111.6
100°	388.0	346.7	296.5	260.8	235.0	221.2	221.6
102.5°	448.8	424.7	392.9	365.1	344.7	333.2	325.0
105°	494.7	501.4	492.3	476.0	462.6	451.3	449.5
107.5°	488.9	519.9	532.5	532.8	528.2	524.4	521.2
110°	470.0	514.5	539.3	549.2	552.0	551.3	550.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	445.1	495.0	526.8	544.9	553.7	556.4	556.5
115°	405.3	457.3	495.8	522.3	537.8	544.9	546.7
117.5°	371.7	418.3	457.4	485.1	502.9	513.0	515.4
120°	353.0	395.4	431.1	459.0	478.8	487.3	489.4
122.5°	338.0	377.3	410.5	435.3	453.1	462.4	465.1
125°	319.5	353.4	381.7	404.3	419.8	428.7	431.1
127.5°	303.1	333.7	359.5	379.6	392.9	400.9	403.1
130°	293.0	321.6	345.6	364.3	377.1	384.5	387.3
132.5°	283.3	310.0	332.9	350.5	363.2	369.8	371.8
135°	269.6	292.6	312.7	330.1	340.7	347.0	349.5
137.5°	256.4	276.2	293.7	308.2	319.0	324.3	326.0
140°	248.8	265.7	280.9	294.4	304.3	309.9	309.6
142.5°	241.4	256.1	269.3	280.8	289.6	294.6	294.3
145°	231.8	243.1	253.4	262.2	269.6	272.5	273.2
147.5°	224.7	233.8	241.1	247.8	252.8	255.5	255.8
150°	220.2	227.6	234.3	239.6	243.5	245.6	245.6
152.5°	215.9	222.5	228.1	232.2	235.8	237.1	237.1
155°	209.9	215.2	219.4	222.6	225.5	226.2	226.5
157.5°	204.0	208.1	211.5	214.2	216.3	216.9	216.8
160°	200.4	203.9	206.4	208.8	211.0	211.0	210.6
162.5°	196.4	199.7	201.9	203.5	205.3	205.3	205.0
165°	190.8	193.3	195.1	196.5	197.9	197.5	197.5
167.5°	186.5	187.9	189.2	189.8	190.8	190.5	190.5
170°	183.4	184.8	185.5	185.9	186.6	186.2	186.2
172.5°	180.9	182.0	182.4	182.5	183.2	182.6	182.3
175°	177.4	178.1	178.1	178.1	178.5	178.1	177.8
177.5°	175.4	175.7	175.7	175.4	175.7	175.1	175.1
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6

(END OF REPORT)