

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: P332308-940

Luminaire Tested: **S123RDIP-S775D585U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332308-940  
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-S775D585U940-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4607.6 lumens  
Efficiency: N/A  
Efficacy: 114.3 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

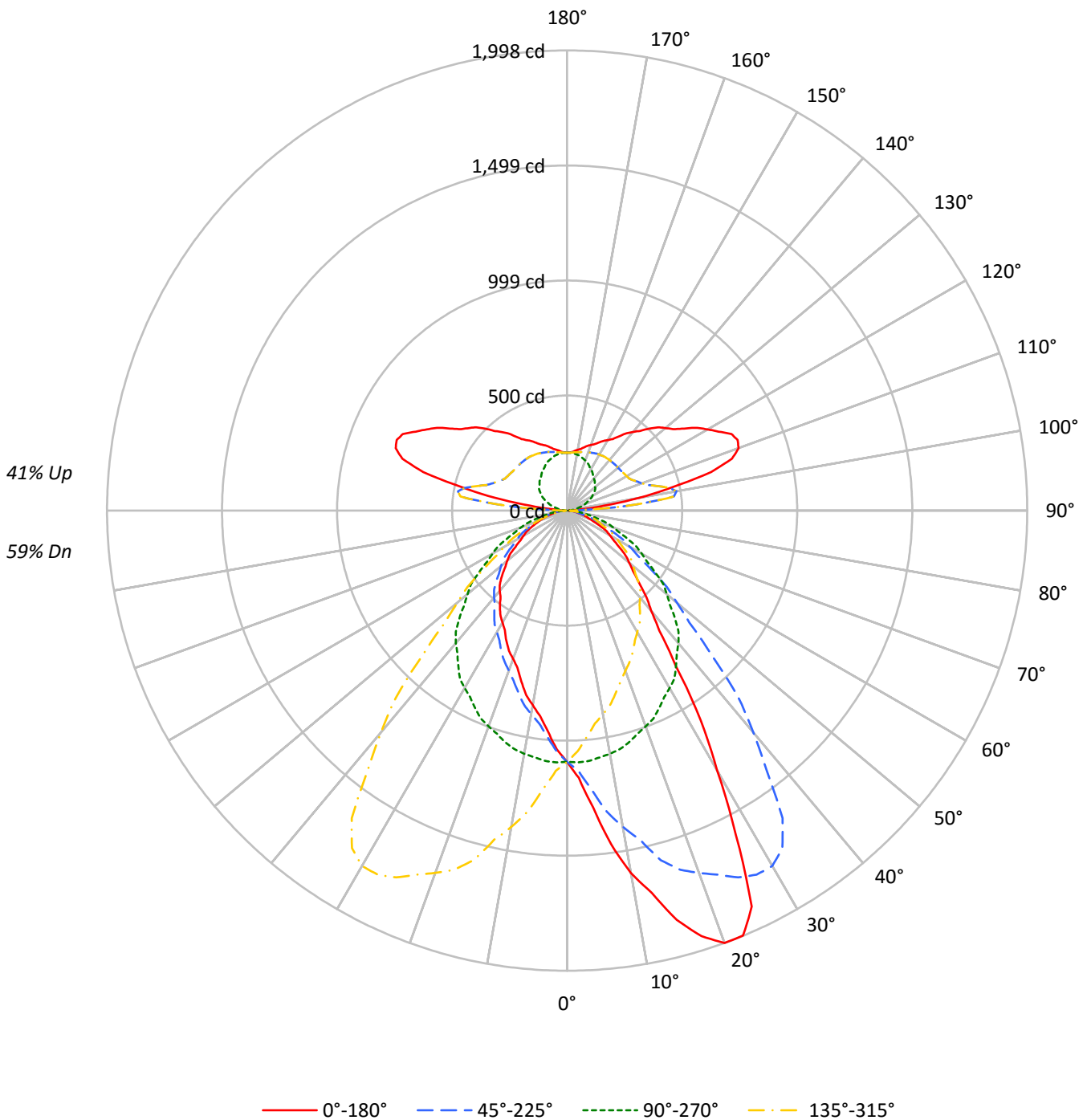
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51
2	92	85	79	74	86	80	75	70	70	66	62	60	58	55	52	50	48	44
3	84	75	68	63	79	71	64	59	62	57	53	54	50	47	47	44	42	38
4	78	67	59	54	72	63	56	51	56	50	46	49	44	41	42	39	36	33
5	72	60	52	46	67	57	50	44	50	44	40	44	40	36	38	35	32	29
6	66	54	46	41	62	51	44	39	45	40	35	40	35	32	35	31	29	26
7	61	49	41	36	57	47	39	34	41	36	31	37	32	29	32	28	26	23
8	57	45	37	32	53	42	36	31	38	32	28	34	29	26	30	26	23	21
9	53	41	34	29	50	39	32	28	35	29	25	31	26	23	27	24	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11739	11739	11739	11739
5°	13993	11788	10381	11788
10°	17472	11721	9379	11721
15°	20508	11602	8553	11602
20°	22888	11423	7851	11423
25°	22523	11233	7418	11233
30°	16189	11059	6975	11059
35°	10809	10834	6687	10834
40°	7964	10561	6389	10561
45°	6680	10085	6098	10085
50°	5894	9460	5690	9460
55°	5168	8743	5134	8743
60°	4603	8060	4704	8060
65°	4042	7325	4376	7325
70°	3175	6672	3997	6672
75°	2795	5827	3647	5827
80°	2430	4947	3589	4947
85°	1964	3977	3816	3977



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	2.3
10°-20°	335.1	7.3
20°-30°	526.4	11.4
30°-40°	549.2	11.9
40°-50°	470.0	10.2
50°-60°	358.2	7.8
60°-70°	229.6	5.0
70°-80°	110.5	2.4
80°-90°	31.2	0.7
90°-100°	139.8	3.0
100°-110°	395.9	8.6
110°-120°	389.5	8.5
120°-130°	310.7	6.7
130°-140°	244.9	5.3
140°-150°	182.8	4.0
150°-160°	127.4	2.8
160°-170°	74.9	1.6
170°-180°	24.4	0.5
0°-30°	968.7	21.0
0°-40°	1517.9	32.9
0°-60°	2346.1	50.9
0°-90°	2717.3	59.0
90°-120°	925.2	20.1
90°-150°	1663.7	36.1
90°-180°	1890.0	41.0
0°-180°	4607.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1295	1091	961	1091	1295	134
15°	1840	1041	768	1041	1840	522
25°	1896	946	625	946	1896	815
35°	823	824	509	824	823	539
45°	439	662	401	662	439	345
55°	275	466	274	466	275	249
65°	159	288	172	288	159	156
75°	67	140	88	140	67	72
85°	16	32	31	32	16	19
90°	15	1	15	1	15	8
95°	59	17	59	17	59	106
105°	647	59	647	59	647	638
115°	787	104	787	104	787	764
125°	620	145	620	145	620	562
135°	503	170	503	170	503	390
145°	393	194	393	194	393	250
155°	326	220	326	220	326	152
165°	284	241	284	241	284	81
175°	256	251	256	251	256	25
180°	251	251	251	251	251	



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1161.5	1163.1	1158.2	1157.4	1151.8	1150.3	1150.3	1142.5	1137.6	1131.3	1127.6
5°	1295.0	1302.5	1298.8	1290.4	1276.4	1273.1	1264.3	1250.3	1234.4	1214.8	1205.4
7.5°	1461.8	1472.0	1468.1	1455.1	1440.5	1428.6	1403.6	1380.3	1347.7	1319.1	1294.7
10°	1598.5	1587.8	1579.4	1566.7	1553.3	1531.2	1505.1	1469.2	1427.6	1395.0	1358.5
12.5°	1700.8	1699.1	1688.5	1675.4	1656.4	1635.5	1603.4	1559.6	1511.3	1464.1	1422.5
15°	1840.3	1843.2	1836.1	1822.6	1795.5	1758.6	1710.1	1691.8	1622.8	1571.5	1520.1
17.5°	1936.9	1936.4	1935.4	1916.6	1889.0	1862.8	1817.8	1769.9	1707.3	1635.0	1565.8
20°	1998.1	1993.5	1994.4	1973.4	1952.8	1922.5	1878.7	1809.1	1757.7	1674.2	1602.7
22.5°	1996.6	1995.7	1999.3	1992.1	1977.1	1953.9	1919.3	1860.6	1795.1	1710.7	1630.3
25°	1896.4	1892.7	1914.6	1920.7	1944.5	1948.7	1938.4	1906.2	1844.1	1757.2	1657.8
27.5°	1587.2	1585.1	1625.8	1676.8	1741.3	1791.6	1840.1	1863.6	1844.1	1781.9	1682.3
30°	1302.5	1346.4	1367.0	1440.7	1522.9	1621.0	1706.8	1788.5	1808.6	1781.5	1699.8
32.5°	1081.5	1119.7	1136.8	1200.2	1276.8	1391.6	1520.5	1636.1	1717.9	1738.6	1689.3
35°	822.6	823.0	862.3	890.3	961.3	1079.3	1204.5	1359.5	1513.5	1630.2	1642.4
37.5°	656.4	658.7	682.4	710.3	763.6	826.1	936.2	1065.1	1243.0	1422.2	1527.2
40°	566.8	571.0	588.7	616.3	654.5	701.7	787.6	909.0	1057.4	1256.8	1419.7
42.5°	509.3	516.0	525.2	546.4	570.2	614.3	683.8	777.5	912.5	1101.0	1289.0
45°	438.8	442.6	449.6	459.4	480.9	511.7	558.4	621.3	733.4	885.2	1073.3
47.5°	387.1	385.1	392.5	400.5	414.7	435.8	467.1	518.5	598.4	720.1	879.8
50°	352.0	351.5	356.7	362.7	376.3	391.7	417.4	456.1	519.6	620.5	766.6
52.5°	319.1	320.9	324.6	332.2	341.9	354.4	377.4	405.3	459.9	546.9	668.7
55°	275.4	276.9	282.0	286.1	293.2	305.8	320.3	343.6	380.9	441.7	542.0
57.5°	238.4	237.8	242.7	243.8	251.7	262.0	273.2	291.3	318.4	363.5	431.1
60°	213.8	212.4	216.6	219.9	224.1	232.5	241.8	259.6	281.1	314.1	372.1
62.5°	191.5	190.7	193.9	197.1	200.5	208.2	216.1	229.7	246.6	274.6	320.6
65°	158.7	160.2	161.5	162.9	164.8	169.4	176.9	186.3	198.0	217.6	250.7
67.5°	124.8	126.2	126.6	129.5	133.5	136.4	141.0	149.3	157.4	174.0	192.8
70°	100.9	100.4	100.9	102.3	107.4	112.5	118.6	124.7	129.7	141.4	157.3
72.5°	86.7	85.8	87.0	87.3	89.8	91.2	95.1	100.8	107.4	115.3	126.7
75°	67.2	67.2	67.2	67.2	69.1	70.0	71.4	72.9	75.2	78.9	87.3
77.5°	49.7	49.8	50.4	50.9	51.3	51.8	52.7	54.0	54.9	56.9	60.5
80°	39.2	39.7	39.2	39.7	39.7	40.6	41.1	42.4	43.0	45.3	46.7
82.5°	29.5	29.2	29.5	30.0	30.0	30.9	31.0	32.0	32.1	33.3	34.8
85°	15.9	15.0	15.9	15.4	16.3	15.4	15.9	16.8	16.8	17.3	19.2
87.5°	6.7	7.5	6.7	7.0	7.0	7.2	7.1	7.0	7.7	7.4	7.5
90°	14.7	15.2	14.7	14.3	14.7	13.7	13.2	12.8	12.2	12.8	11.1
92.5°	24.5	25.4	24.9	26.5	27.4	30.1	34.0	42.8	59.0	78.2	86.1
95°	59.0	61.0	64.6	69.2	78.8	97.1	124.1	183.1	244.6	301.6	268.6
97.5°	160.6	165.0	178.7	201.6	239.2	300.0	365.6	456.5	500.1	467.4	342.1
100°	318.9	318.4	338.2	375.3	426.7	498.9	558.5	599.7	581.8	481.6	325.5
102.5°	467.8	479.5	496.1	525.5	565.4	611.3	646.0	647.3	585.9	455.2	301.1
105°	646.9	649.5	665.8	685.1	708.5	721.8	712.0	661.2	554.9	408.9	271.1
107.5°	750.1	754.7	760.3	766.8	766.3	748.2	703.7	621.1	500.6	368.0	252.0
110°	792.4	793.4	794.4	790.4	776.1	740.6	676.5	582.8	466.4	344.8	244.6



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	800.9	800.8	796.9	784.3	758.2	712.5	640.6	545.0	436.7	329.4	240.6
115°	786.8	784.3	774.1	751.7	713.5	658.2	583.4	494.9	400.8	312.8	239.1
117.5°	741.8	738.4	723.7	698.1	658.4	602.1	534.9	458.5	379.2	303.0	240.0
120°	704.5	701.3	689.2	660.7	620.5	569.1	508.1	439.4	367.7	298.5	241.6
122.5°	669.4	665.6	652.1	626.5	590.8	543.1	486.5	424.4	358.4	295.7	244.4
125°	620.5	617.0	604.2	581.8	549.3	508.6	459.8	404.3	346.3	291.9	248.7
127.5°	580.2	576.9	565.4	546.4	517.4	480.4	436.3	386.8	335.8	290.1	253.6
130°	557.4	553.4	542.7	524.4	497.4	462.8	421.6	375.9	330.1	288.9	256.8
132.5°	535.0	532.2	522.7	504.4	479.1	446.1	407.8	365.7	324.8	288.5	259.3
135°	503.0	499.4	490.3	475.0	450.1	421.2	388.1	352.0	317.9	287.8	263.0
137.5°	469.1	466.8	459.1	443.6	422.7	397.5	369.1	339.5	311.9	286.8	265.4
140°	445.5	446.0	437.9	423.7	404.3	382.5	358.0	332.2	308.2	286.3	267.0
142.5°	423.6	424.1	416.8	404.1	387.6	368.6	347.5	325.2	305.0	285.5	268.2
145°	393.2	392.2	388.1	377.4	364.7	349.9	333.7	316.8	300.6	284.3	269.0
147.5°	368.1	367.7	363.8	356.6	347.0	336.5	323.3	310.0	296.3	282.4	269.0
150°	353.5	353.5	350.4	344.8	337.2	327.5	316.8	305.1	293.5	280.7	269.0
152.5°	341.3	341.3	339.5	334.2	328.2	320.2	310.8	300.7	290.3	278.7	267.9
155°	326.0	325.5	324.5	320.4	315.8	309.8	302.1	294.0	285.3	275.2	266.5
157.5°	312.1	312.2	311.4	308.4	304.3	299.6	293.6	286.9	279.8	272.0	264.7
160°	303.1	303.6	303.6	300.6	297.0	293.5	288.4	282.8	276.2	269.6	263.9
162.5°	295.0	295.5	295.5	292.8	290.5	287.4	282.7	277.9	272.5	267.2	262.3
165°	284.3	284.3	284.8	282.8	280.7	278.2	274.6	271.6	267.5	263.5	259.9
167.5°	274.1	274.1	274.6	273.2	272.3	270.5	268.4	266.1	262.8	259.8	257.4
170°	268.0	268.0	268.6	267.5	267.0	266.0	263.9	262.4	259.9	257.3	255.8
172.5°	262.3	262.8	263.7	262.6	262.5	261.9	260.3	259.2	257.1	255.3	254.6
175°	255.8	256.4	256.8	256.4	256.4	256.4	255.3	254.9	253.8	252.8	252.8
177.5°	252.1	252.1	252.9	252.4	252.9	252.9	252.4	252.1	251.6	251.3	251.6
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1126.1	1124.9	1119.7	1113.7	1105.9	1100.6	1096.5	1094.3	1087.6	1079.3	1073.8
5°	1195.6	1181.6	1166.7	1148.4	1131.7	1114.4	1103.7	1091.0	1075.7	1058.4	1046.2
7.5°	1270.2	1242.7	1213.1	1182.6	1152.4	1125.3	1101.4	1080.9	1056.4	1031.6	1014.3
10°	1327.3	1287.1	1245.5	1203.1	1164.3	1127.9	1099.9	1072.4	1042.9	1014.5	993.0
12.5°	1379.2	1326.3	1278.4	1226.3	1176.7	1133.2	1092.8	1060.4	1025.0	994.7	970.2
15°	1444.9	1390.8	1332.8	1253.5	1187.7	1132.6	1083.6	1041.1	998.2	960.8	937.0
17.5°	1506.4	1424.9	1347.1	1280.9	1195.3	1126.5	1066.7	1015.8	968.8	929.2	899.8
20°	1531.8	1452.9	1368.3	1283.9	1199.8	1122.8	1053.2	997.2	948.2	903.4	876.3
22.5°	1547.0	1457.7	1368.7	1277.9	1188.7	1108.6	1039.8	978.1	925.1	882.4	849.0
25°	1564.9	1458.5	1360.4	1270.8	1179.7	1092.9	1011.2	945.8	888.4	843.1	807.6
27.5°	1576.6	1451.4	1335.6	1235.9	1143.6	1057.1	982.2	913.0	854.7	806.8	768.7
30°	1578.9	1445.8	1316.5	1208.7	1114.8	1035.5	956.1	889.8	828.2	777.3	741.8
32.5°	1581.9	1432.0	1290.8	1176.2	1080.1	1001.5	929.6	866.3	803.2	753.0	716.8
35°	1569.6	1424.4	1251.6	1120.0	1023.8	947.7	882.8	824.5	762.4	713.8	676.9
37.5°	1516.5	1394.0	1211.1	1056.7	956.1	885.6	832.8	781.9	725.0	672.5	637.8
40°	1463.1	1364.1	1179.7	1018.2	913.2	840.8	793.2	751.6	696.5	647.6	610.2
42.5°	1383.6	1323.5	1149.9	977.9	864.6	794.9	754.7	715.8	667.4	617.7	582.6
45°	1237.6	1245.5	1088.7	913.6	797.4	727.4	689.6	662.5	619.6	578.5	542.5
47.5°	1054.6	1128.8	1016.9	845.2	726.5	660.8	627.8	604.1	575.2	534.8	502.0
50°	935.1	1041.1	959.4	799.2	682.1	616.7	584.1	564.9	539.7	507.9	476.6
52.5°	824.9	938.8	889.9	748.1	633.9	574.2	542.2	526.5	506.4	476.5	448.3
55°	672.7	788.1	776.9	670.8	561.6	507.9	483.7	465.9	452.4	430.0	407.6
57.5°	544.2	653.5	659.3	585.0	497.9	444.9	424.0	410.6	401.8	384.9	364.2
60°	463.2	563.5	583.1	527.1	452.4	405.7	385.1	374.4	367.4	353.9	338.0
62.5°	395.9	481.3	503.5	463.2	408.7	365.0	348.9	338.6	333.8	322.1	308.1
65°	303.0	374.0	395.4	373.0	344.6	309.5	296.5	287.6	283.4	276.9	266.5
67.5°	227.8	279.6	303.1	287.3	277.1	254.9	246.6	241.8	238.1	233.6	225.1
70°	183.0	221.3	245.6	241.4	233.0	221.3	215.3	212.0	208.2	204.5	197.0
72.5°	147.1	173.5	196.3	198.4	191.5	189.1	183.9	182.4	180.2	175.8	171.7
75°	97.6	115.7	131.6	137.7	140.5	142.9	140.5	140.1	139.6	135.9	133.5
77.5°	63.9	73.7	83.7	94.1	98.5	101.7	102.5	104.2	102.9	100.9	99.8
80°	49.0	51.4	58.3	67.2	74.2	77.0	78.9	79.8	79.4	78.9	77.0
82.5°	35.6	37.5	40.8	47.1	53.0	57.6	58.8	58.6	59.6	59.8	58.3
85°	19.2	19.6	20.5	21.5	24.7	29.9	31.3	32.2	33.2	33.2	30.3
87.5°	7.9	7.2	7.7	7.5	8.4	8.5	10.5	12.1	12.8	11.4	11.8
90°	9.6	8.1	6.6	5.6	4.5	3.0	2.1	1.0	2.1	3.0	4.5
92.5°	64.6	42.7	29.4	21.8	17.6	13.6	9.4	6.3	9.4	13.6	17.6
95°	185.1	109.3	66.1	46.3	33.1	24.4	18.8	17.3	18.8	24.4	33.1
97.5°	203.1	117.7	76.4	54.9	41.9	34.4	30.1	29.5	30.1	34.4	41.9
100°	191.7	116.5	80.9	61.0	48.9	41.7	38.2	37.6	38.2	41.7	48.9
102.5°	182.0	118.1	86.1	67.9	57.0	50.3	47.1	46.2	47.1	50.3	57.0
105°	175.0	122.6	95.1	79.4	69.6	63.6	60.5	59.0	60.5	63.6	69.6
107.5°	174.4	130.9	106.8	92.2	83.1	77.1	74.2	72.6	74.2	77.1	83.1
110°	176.5	137.9	114.9	100.7	92.0	86.5	83.9	82.4	83.9	86.5	92.0





TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	180.6	144.7	123.5	109.7	101.0	95.4	92.9	91.3	92.9	95.4	101.0
115°	187.2	156.1	136.8	123.1	114.4	109.3	106.3	104.2	106.3	109.3	114.4
117.5°	195.9	168.3	149.1	136.4	126.7	122.1	119.5	117.2	119.5	122.1	126.7
120°	202.4	175.9	157.7	145.0	135.3	130.2	127.7	126.2	127.7	130.2	135.3
122.5°	208.6	184.1	166.2	152.7	143.4	137.9	135.4	133.8	135.4	137.9	143.4
125°	218.2	195.8	178.0	164.3	154.6	149.0	146.0	145.0	146.0	149.0	154.6
127.5°	226.1	206.0	188.8	175.0	164.3	158.7	154.9	153.4	154.9	158.7	164.3
130°	231.4	212.0	195.3	181.6	170.9	164.8	160.2	158.7	160.2	164.8	170.9
132.5°	236.3	217.4	201.0	187.7	177.0	169.7	164.7	162.7	164.7	169.7	177.0
135°	242.6	225.3	209.6	195.8	185.1	177.5	171.9	169.9	171.9	177.5	185.1
137.5°	247.3	230.8	215.6	203.0	192.3	184.2	178.7	176.6	178.7	184.2	192.3
140°	249.8	234.4	219.7	207.0	196.8	188.7	183.6	181.1	183.6	188.7	196.8
142.5°	252.2	237.3	223.0	211.1	200.9	193.6	188.1	185.9	188.1	193.6	200.9
145°	254.9	241.1	227.8	216.2	207.5	199.9	195.3	193.8	195.3	199.9	207.5
147.5°	256.5	244.2	232.0	222.0	213.7	207.1	202.6	201.7	202.6	207.1	213.7
150°	256.8	246.2	234.4	225.3	218.2	211.6	207.5	207.0	207.5	211.6	218.2
152.5°	257.7	247.4	237.3	228.5	222.3	216.5	212.4	212.3	212.4	216.5	222.3
155°	257.9	249.8	241.1	234.0	228.4	223.3	220.3	220.3	220.3	223.3	228.4
157.5°	258.4	251.0	244.2	238.6	233.9	229.3	226.9	226.5	226.9	229.3	233.9
160°	258.4	252.3	246.2	241.1	237.6	233.4	231.4	231.4	231.4	233.4	237.6
162.5°	258.0	252.7	247.4	243.1	240.0	236.7	235.1	235.1	235.1	236.7	240.0
165°	256.8	253.2	249.2	245.7	243.6	241.1	240.0	240.6	240.0	241.1	243.6
167.5°	256.0	253.2	250.2	248.0	246.6	244.6	244.2	244.8	244.2	244.6	246.6
170°	254.9	252.8	250.2	249.2	248.2	246.6	246.2	247.2	246.2	246.6	248.2
172.5°	254.4	252.8	250.7	250.0	249.4	248.3	248.2	248.8	248.2	248.3	249.4
175°	253.2	252.3	251.3	250.7	250.7	249.8	250.2	250.7	250.2	249.8	250.7
177.5°	252.4	251.6	251.3	251.3	251.3	250.8	251.3	251.6	251.3	250.8	251.3
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1071.9	1067.0	1063.7	1056.2	1051.3	1046.2	1040.9	1044.3	1043.9	1043.5	1043.5
5°	1036.0	1025.2	1015.4	1002.8	994.9	985.1	977.6	976.7	978.6	972.0	968.2
7.5°	1000.3	985.6	971.7	957.8	943.1	931.3	923.9	920.4	915.7	911.7	907.5
10°	975.3	958.0	944.4	927.2	911.3	897.3	888.4	882.3	879.0	875.8	869.8
12.5°	949.5	932.6	915.3	895.8	880.7	864.4	857.8	851.0	844.7	841.1	832.8
15°	911.8	889.8	871.6	851.0	834.3	818.4	809.0	795.5	793.6	789.0	780.6
17.5°	874.0	850.2	825.0	809.9	790.9	774.4	760.1	755.5	742.2	737.2	729.9
20°	844.1	822.2	803.0	782.9	755.4	739.9	728.8	722.7	711.9	705.4	700.7
22.5°	818.3	796.0	773.8	750.5	727.7	710.4	702.2	692.8	687.0	677.8	672.7
25°	781.5	757.2	730.7	705.4	689.1	676.0	662.9	654.5	646.1	641.9	632.6
27.5°	738.8	713.4	688.5	669.4	649.3	636.4	624.6	617.1	607.0	599.9	594.8
30°	715.2	685.4	663.9	646.6	620.9	608.8	599.9	590.6	583.1	575.6	570.5
32.5°	688.0	660.7	640.3	618.9	599.2	586.0	574.5	566.3	559.9	552.9	547.7
35°	645.2	622.3	601.3	579.8	565.3	551.8	538.3	531.3	525.2	518.7	514.0
37.5°	606.5	585.1	565.2	544.8	526.9	515.9	505.0	499.6	491.4	487.1	482.2
40°	582.6	561.6	540.1	520.6	501.9	493.5	483.7	475.7	468.2	465.0	459.9
42.5°	556.5	535.5	517.4	496.2	481.0	469.6	460.5	451.8	446.2	441.5	438.5
45°	517.7	499.1	481.3	460.3	445.9	436.0	425.8	417.9	412.7	409.5	404.3
47.5°	480.1	461.5	443.4	425.1	411.1	399.9	389.7	384.1	377.3	373.3	369.9
50°	452.8	436.0	416.9	400.1	386.1	374.9	366.5	359.4	353.4	348.3	346.0
52.5°	427.8	409.9	393.3	377.7	362.9	350.3	342.6	335.2	330.6	324.8	322.0
55°	386.6	369.3	355.3	339.8	325.4	314.7	305.3	298.8	294.1	287.6	283.8
57.5°	347.8	332.3	315.6	302.2	287.3	278.2	270.5	261.6	255.9	250.8	247.2
60°	321.6	303.9	289.4	276.9	263.8	252.1	245.1	238.1	232.0	226.9	223.6
62.5°	294.4	278.9	265.2	251.5	239.5	229.3	221.2	215.3	210.0	206.7	203.5
65°	252.5	240.4	226.4	215.3	204.0	196.5	190.0	184.9	181.1	178.8	176.0
67.5°	214.1	202.3	190.1	179.1	171.7	165.9	161.7	157.2	155.3	152.4	150.5
70°	189.0	176.9	166.2	157.8	150.3	146.2	143.3	140.1	138.2	134.5	132.6
72.5°	161.8	153.0	145.3	138.4	132.4	128.6	125.0	121.0	118.1	113.9	112.1
75°	127.4	119.5	113.4	108.8	105.0	99.9	94.8	90.6	89.2	87.7	87.3
77.5°	94.4	89.3	85.0	81.1	76.4	72.7	71.5	70.6	70.3	69.6	69.6
80°	74.2	69.6	66.3	61.6	58.9	58.9	58.9	57.9	58.3	58.3	58.3
82.5°	55.2	50.9	49.1	47.4	46.9	47.3	47.3	47.4	47.2	47.9	47.5
85°	28.4	29.0	29.9	29.4	29.9	29.9	30.9	30.3	30.9	29.9	30.9
87.5°	11.6	12.9	13.6	14.3	15.0	14.9	15.2	15.2	15.7	15.8	16.1
90°	5.6	6.6	8.1	9.6	11.1	12.8	12.2	12.8	13.2	13.7	14.7
92.5°	21.8	29.4	42.7	64.6	86.1	78.2	59.0	42.8	34.0	30.1	27.4
95°	46.3	66.1	109.3	185.1	268.6	301.6	244.6	183.1	124.1	97.1	78.8
97.5°	54.9	76.4	117.7	203.1	342.1	467.4	500.1	456.5	365.6	300.0	239.2
100°	61.0	80.9	116.5	191.7	325.5	481.6	581.8	599.7	558.5	498.9	426.7
102.5°	67.9	86.1	118.1	182.0	301.1	455.2	585.9	647.3	646.0	611.3	565.4
105°	79.4	95.1	122.6	175.0	271.1	408.9	554.9	661.2	712.0	721.8	708.5
107.5°	92.2	106.8	130.9	174.4	252.0	368.0	500.6	621.1	703.7	748.2	766.3
110°	100.7	114.9	137.9	176.5	244.6	344.8	466.4	582.8	676.5	740.6	776.1



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	109.7	123.5	144.7	180.6	240.6	329.4	436.7	545.0	640.6	712.5	758.2
115°	123.1	136.8	156.1	187.2	239.1	312.8	400.8	494.9	583.4	658.2	713.5
117.5°	136.4	149.1	168.3	195.9	240.0	303.0	379.2	458.5	534.9	602.1	658.4
120°	145.0	157.7	175.9	202.4	241.6	298.5	367.7	439.4	508.1	569.1	620.5
122.5°	152.7	166.2	184.1	208.6	244.4	295.7	358.4	424.4	486.5	543.1	590.8
125°	164.3	178.0	195.8	218.2	248.7	291.9	346.3	404.3	459.8	508.6	549.3
127.5°	175.0	188.8	206.0	226.1	253.6	290.1	335.8	386.8	436.3	480.4	517.4
130°	181.6	195.3	212.0	231.4	256.8	288.9	330.1	375.9	421.6	462.8	497.4
132.5°	187.7	201.0	217.4	236.3	259.3	288.5	324.8	365.7	407.8	446.1	479.1
135°	195.8	209.6	225.3	242.6	263.0	287.8	317.9	352.0	388.1	421.2	450.1
137.5°	203.0	215.6	230.8	247.3	265.4	286.8	311.9	339.5	369.1	397.5	422.7
140°	207.0	219.7	234.4	249.8	267.0	286.3	308.2	332.2	358.0	382.5	404.3
142.5°	211.1	223.0	237.3	252.2	268.2	285.5	305.0	325.2	347.5	368.6	387.6
145°	216.2	227.8	241.1	254.9	269.0	284.3	300.6	316.8	333.7	349.9	364.7
147.5°	222.0	232.0	244.2	256.5	269.0	282.4	296.3	310.0	323.3	336.5	347.0
150°	225.3	234.4	246.2	256.8	269.0	280.7	293.5	305.1	316.8	327.5	337.2
152.5°	228.5	237.3	247.4	257.7	267.9	278.7	290.3	300.7	310.8	320.2	328.2
155°	234.0	241.1	249.8	257.9	266.5	275.2	285.3	294.0	302.1	309.8	315.8
157.5°	238.6	244.2	251.0	258.4	264.7	272.0	279.8	286.9	293.6	299.6	304.3
160°	241.1	246.2	252.3	258.4	263.9	269.6	276.2	282.8	288.4	293.5	297.0
162.5°	243.1	247.4	252.7	258.0	262.3	267.2	272.5	277.9	282.7	287.4	290.5
165°	245.7	249.2	253.2	256.8	259.9	263.5	267.5	271.6	274.6	278.2	280.7
167.5°	248.0	250.2	253.2	256.0	257.4	259.8	262.8	266.1	268.4	270.5	272.3
170°	249.2	250.2	252.8	254.9	255.8	257.3	259.9	262.4	263.9	266.0	267.0
172.5°	250.0	250.7	252.8	254.4	254.6	255.3	257.1	259.2	260.3	261.9	262.5
175°	250.7	251.3	252.3	253.2	252.8	252.8	253.8	254.9	255.3	256.4	256.4
177.5°	251.3	251.3	251.6	252.4	251.6	251.3	251.6	252.1	252.4	252.9	252.9
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1039.0	1038.7	1039.0	1037.5	1039.0	1038.7	1039.0	1043.5	1043.5	1043.9	1044.3
5°	966.9	966.3	965.0	960.8	965.0	966.3	966.9	968.2	972.0	978.6	976.7
7.5°	903.8	903.2	899.1	899.2	899.1	903.2	903.8	907.5	911.7	915.7	920.4
10°	866.5	866.9	861.4	858.1	861.4	866.9	866.5	869.8	875.8	879.0	882.3
12.5°	830.3	828.1	823.6	820.0	823.6	828.1	830.3	832.8	841.1	844.7	851.0
15°	782.5	777.8	766.6	767.5	766.6	777.8	782.5	780.6	789.0	793.6	795.5
17.5°	726.1	722.7	722.5	716.0	722.5	722.7	726.1	729.9	737.2	742.2	755.5
20°	693.3	691.0	691.9	685.4	691.9	691.0	693.3	700.7	705.4	711.9	722.7
22.5°	667.5	665.2	661.3	659.2	661.3	665.2	667.5	672.7	677.8	687.0	692.8
25°	629.8	626.1	622.3	624.6	622.3	626.1	629.8	632.6	641.9	646.1	654.5
27.5°	592.1	589.2	585.5	585.1	585.5	589.2	592.1	594.8	599.9	607.0	617.1
30°	568.2	565.3	563.5	561.2	563.5	565.3	568.2	570.5	575.6	583.1	590.6
32.5°	543.9	543.3	539.9	539.5	539.9	543.3	543.9	547.7	552.9	559.9	566.3
35°	512.1	509.3	508.4	508.9	508.4	509.3	512.1	514.0	518.7	525.2	531.3
37.5°	482.0	478.2	476.5	474.9	476.5	478.2	482.0	482.2	487.1	491.4	499.6
40°	460.3	456.6	455.7	454.7	455.7	456.6	460.3	459.9	465.0	468.2	475.7
42.5°	436.0	434.5	434.0	432.3	434.0	434.5	436.0	438.5	441.5	446.2	451.8
45°	402.9	402.4	399.7	400.6	399.7	402.4	402.9	404.3	409.5	412.7	417.9
47.5°	368.0	366.0	364.0	365.2	364.0	366.0	368.0	369.9	373.3	377.3	384.1
50°	344.1	343.1	338.9	339.8	338.9	343.1	344.1	346.0	348.3	353.4	359.4
52.5°	320.2	316.6	315.0	314.5	315.0	316.6	320.2	322.0	324.8	330.6	335.2
55°	280.6	276.3	274.5	273.6	274.5	276.3	280.6	283.8	287.6	294.1	298.8
57.5°	241.7	240.6	239.2	240.1	239.2	240.6	241.7	247.2	250.8	255.9	261.6
60°	218.9	218.9	218.9	218.5	218.9	218.9	218.9	223.6	226.9	232.0	238.1
62.5°	201.4	200.3	199.9	200.5	199.9	200.3	201.4	203.5	206.7	210.0	215.3
65°	174.6	174.2	172.3	171.8	172.3	174.2	174.6	176.0	178.8	181.1	184.9
67.5°	149.3	147.6	147.0	146.4	147.0	147.6	149.3	150.5	152.4	155.3	157.2
70°	130.3	129.3	126.5	127.0	126.5	129.3	130.3	132.6	134.5	138.2	140.1
72.5°	109.7	108.8	108.3	107.5	108.3	108.8	109.7	112.1	113.9	118.1	121.0
75°	86.9	86.4	85.9	87.7	85.9	86.4	86.9	87.3	87.7	89.2	90.6
77.5°	69.6	69.6	69.8	69.1	69.8	69.6	69.6	69.6	69.6	70.3	70.6
80°	58.3	58.3	57.9	57.9	57.9	58.3	58.3	58.3	58.3	58.3	57.9
82.5°	46.8	47.2	47.4	46.7	47.4	47.2	46.8	47.5	47.9	47.2	47.4
85°	30.9	30.3	31.3	30.9	31.3	30.3	30.9	30.9	29.9	30.9	30.3
87.5°	16.7	16.1	16.1	16.4	16.1	16.1	16.7	16.1	15.8	15.7	15.2
90°	14.3	14.7	15.2	14.7	15.2	14.7	14.3	14.7	13.7	13.2	12.8
92.5°	26.5	24.9	25.4	24.5	25.4	24.9	26.5	27.4	30.1	34.0	42.8
95°	69.2	64.6	61.0	59.0	61.0	64.6	69.2	78.8	97.1	124.1	183.1
97.5°	201.6	178.7	165.0	160.6	165.0	178.7	201.6	239.2	300.0	365.6	456.5
100°	375.3	338.2	318.4	318.9	318.4	338.2	375.3	426.7	498.9	558.5	599.7
102.5°	525.5	496.1	479.5	467.8	479.5	496.1	525.5	565.4	611.3	646.0	647.3
105°	685.1	665.8	649.5	646.9	649.5	665.8	685.1	708.5	721.8	712.0	661.2
107.5°	766.8	760.3	754.7	750.1	754.7	760.3	766.8	766.3	748.2	703.7	621.1
110°	790.4	794.4	793.4	792.4	793.4	794.4	790.4	776.1	740.6	676.5	582.8



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	784.3	796.9	800.8	800.9	800.8	796.9	784.3	758.2	712.5	640.6	545.0
115°	751.7	774.1	784.3	786.8	784.3	774.1	751.7	713.5	658.2	583.4	494.9
117.5°	698.1	723.7	738.4	741.8	738.4	723.7	698.1	658.4	602.1	534.9	458.5
120°	660.7	689.2	701.3	704.5	701.3	689.2	660.7	620.5	569.1	508.1	439.4
122.5°	626.5	652.1	665.6	669.4	665.6	652.1	626.5	590.8	543.1	486.5	424.4
125°	581.8	604.2	617.0	620.5	617.0	604.2	581.8	549.3	508.6	459.8	404.3
127.5°	546.4	565.4	576.9	580.2	576.9	565.4	546.4	517.4	480.4	436.3	386.8
130°	524.4	542.7	553.4	557.4	553.4	542.7	524.4	497.4	462.8	421.6	375.9
132.5°	504.4	522.7	532.2	535.0	532.2	522.7	504.4	479.1	446.1	407.8	365.7
135°	475.0	490.3	499.4	503.0	499.4	490.3	475.0	450.1	421.2	388.1	352.0
137.5°	443.6	459.1	466.8	469.1	466.8	459.1	443.6	422.7	397.5	369.1	339.5
140°	423.7	437.9	446.0	445.5	446.0	437.9	423.7	404.3	382.5	358.0	332.2
142.5°	404.1	416.8	424.1	423.6	424.1	416.8	404.1	387.6	368.6	347.5	325.2
145°	377.4	388.1	392.2	393.2	392.2	388.1	377.4	364.7	349.9	333.7	316.8
147.5°	356.6	363.8	367.7	368.1	367.7	363.8	356.6	347.0	336.5	323.3	310.0
150°	344.8	350.4	353.5	353.5	353.5	350.4	344.8	337.2	327.5	316.8	305.1
152.5°	334.2	339.5	341.3	341.3	341.3	339.5	334.2	328.2	320.2	310.8	300.7
155°	320.4	324.5	325.5	326.0	325.5	324.5	320.4	315.8	309.8	302.1	294.0
157.5°	308.4	311.4	312.2	312.1	312.2	311.4	308.4	304.3	299.6	293.6	286.9
160°	300.6	303.6	303.6	303.1	303.6	303.6	300.6	297.0	293.5	288.4	282.8
162.5°	292.8	295.5	295.5	295.0	295.5	295.5	292.8	290.5	287.4	282.7	277.9
165°	282.8	284.8	284.3	284.3	284.3	284.8	282.8	280.7	278.2	274.6	271.6
167.5°	273.2	274.6	274.1	274.1	274.1	274.6	273.2	272.3	270.5	268.4	266.1
170°	267.5	268.6	268.0	268.0	268.0	268.6	267.5	267.0	266.0	263.9	262.4
172.5°	262.6	263.7	262.8	262.3	262.8	263.7	262.6	262.5	261.9	260.3	259.2
175°	256.4	256.8	256.4	255.8	256.4	256.8	256.4	256.4	256.4	255.3	254.9
177.5°	252.4	252.9	252.1	252.1	252.1	252.9	252.4	252.9	252.9	252.4	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1040.9	1046.2	1051.3	1056.2	1063.7	1067.0	1071.9	1073.8	1079.3	1087.6	1094.3
5°	977.6	985.1	994.9	1002.8	1015.4	1025.2	1036.0	1046.2	1058.4	1075.7	1091.0
7.5°	923.9	931.3	943.1	957.8	971.7	985.6	1000.3	1014.3	1031.6	1056.4	1080.9
10°	888.4	897.3	911.3	927.2	944.4	958.0	975.3	993.0	1014.5	1042.9	1072.4
12.5°	857.8	864.4	880.7	895.8	915.3	932.6	949.5	970.2	994.7	1025.0	1060.4
15°	809.0	818.4	834.3	851.0	871.6	889.8	911.8	937.0	960.8	998.2	1041.1
17.5°	760.1	774.4	790.9	809.9	825.0	850.2	874.0	899.8	929.2	968.8	1015.8
20°	728.8	739.9	755.4	782.9	803.0	822.2	844.1	876.3	903.4	948.2	997.2
22.5°	702.2	710.4	727.7	750.5	773.8	796.0	818.3	849.0	882.4	925.1	978.1
25°	662.9	676.0	689.1	705.4	730.7	757.2	781.5	807.6	843.1	888.4	945.8
27.5°	624.6	636.4	649.3	669.4	688.5	713.4	738.8	768.7	806.8	854.7	913.0
30°	599.9	608.8	620.9	646.6	663.9	685.4	715.2	741.8	777.3	828.2	889.8
32.5°	574.5	586.0	599.2	618.9	640.3	660.7	688.0	716.8	753.0	803.2	866.3
35°	538.3	551.8	565.3	579.8	601.3	622.3	645.2	676.9	713.8	762.4	824.5
37.5°	505.0	515.9	526.9	544.8	565.2	585.1	606.5	637.8	672.5	725.0	781.9
40°	483.7	493.5	501.9	520.6	540.1	561.6	582.6	610.2	647.6	696.5	751.6
42.5°	460.5	469.6	481.0	496.2	517.4	535.5	556.5	582.6	617.7	667.4	715.8
45°	425.8	436.0	445.9	460.3	481.3	499.1	517.7	542.5	578.5	619.6	662.5
47.5°	389.7	399.9	411.1	425.1	443.4	461.5	480.1	502.0	534.8	575.2	604.1
50°	366.5	374.9	386.1	400.1	416.9	436.0	452.8	476.6	507.9	539.7	564.9
52.5°	342.6	350.3	362.9	377.7	393.3	409.9	427.8	448.3	476.5	506.4	526.5
55°	305.3	314.7	325.4	339.8	355.3	369.3	386.6	407.6	430.0	452.4	465.9
57.5°	270.5	278.2	287.3	302.2	315.6	332.3	347.8	364.2	384.9	401.8	410.6
60°	245.1	252.1	263.8	276.9	289.4	303.9	321.6	338.0	353.9	367.4	374.4
62.5°	221.2	229.3	239.5	251.5	265.2	278.9	294.4	308.1	322.1	333.8	338.6
65°	190.0	196.5	204.0	215.3	226.4	240.4	252.5	266.5	276.9	283.4	287.6
67.5°	161.7	165.9	171.7	179.1	190.1	202.3	214.1	225.1	233.6	238.1	241.8
70°	143.3	146.2	150.3	157.8	166.2	176.9	189.0	197.0	204.5	208.2	212.0
72.5°	125.0	128.6	132.4	138.4	145.3	153.0	161.8	171.7	175.8	180.2	182.4
75°	94.8	99.9	105.0	108.8	113.4	119.5	127.4	133.5	135.9	139.6	140.1
77.5°	71.5	72.7	76.4	81.1	85.0	89.3	94.4	99.8	100.9	102.9	104.2
80°	58.9	58.9	58.9	61.6	66.3	69.6	74.2	77.0	78.9	79.4	79.8
82.5°	47.3	47.3	46.9	47.4	49.1	50.9	55.2	58.3	59.8	59.6	58.6
85°	30.9	29.9	29.9	29.4	29.9	29.0	28.4	30.3	33.2	33.2	32.2
87.5°	15.2	14.9	15.0	14.3	13.6	12.9	11.6	11.8	11.4	12.8	12.1
90°	12.2	12.8	11.1	9.6	8.1	6.6	5.6	4.5	3.0	2.1	1.0
92.5°	59.0	78.2	86.1	64.6	42.7	29.4	21.8	17.6	13.6	9.4	6.3
95°	244.6	301.6	268.6	185.1	109.3	66.1	46.3	33.1	24.4	18.8	17.3
97.5°	500.1	467.4	342.1	203.1	117.7	76.4	54.9	41.9	34.4	30.1	29.5
100°	581.8	481.6	325.5	191.7	116.5	80.9	61.0	48.9	41.7	38.2	37.6
102.5°	585.9	455.2	301.1	182.0	118.1	86.1	67.9	57.0	50.3	47.1	46.2
105°	554.9	408.9	271.1	175.0	122.6	95.1	79.4	69.6	63.6	60.5	59.0
107.5°	500.6	368.0	252.0	174.4	130.9	106.8	92.2	83.1	77.1	74.2	72.6
110°	466.4	344.8	244.6	176.5	137.9	114.9	100.7	92.0	86.5	83.9	82.4



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	436.7	329.4	240.6	180.6	144.7	123.5	109.7	101.0	95.4	92.9	91.3
115°	400.8	312.8	239.1	187.2	156.1	136.8	123.1	114.4	109.3	106.3	104.2
117.5°	379.2	303.0	240.0	195.9	168.3	149.1	136.4	126.7	122.1	119.5	117.2
120°	367.7	298.5	241.6	202.4	175.9	157.7	145.0	135.3	130.2	127.7	126.2
122.5°	358.4	295.7	244.4	208.6	184.1	166.2	152.7	143.4	137.9	135.4	133.8
125°	346.3	291.9	248.7	218.2	195.8	178.0	164.3	154.6	149.0	146.0	145.0
127.5°	335.8	290.1	253.6	226.1	206.0	188.8	175.0	164.3	158.7	154.9	153.4
130°	330.1	288.9	256.8	231.4	212.0	195.3	181.6	170.9	164.8	160.2	158.7
132.5°	324.8	288.5	259.3	236.3	217.4	201.0	187.7	177.0	169.7	164.7	162.7
135°	317.9	287.8	263.0	242.6	225.3	209.6	195.8	185.1	177.5	171.9	169.9
137.5°	311.9	286.8	265.4	247.3	230.8	215.6	203.0	192.3	184.2	178.7	176.6
140°	308.2	286.3	267.0	249.8	234.4	219.7	207.0	196.8	188.7	183.6	181.1
142.5°	305.0	285.5	268.2	252.2	237.3	223.0	211.1	200.9	193.6	188.1	185.9
145°	300.6	284.3	269.0	254.9	241.1	227.8	216.2	207.5	199.9	195.3	193.8
147.5°	296.3	282.4	269.0	256.5	244.2	232.0	222.0	213.7	207.1	202.6	201.7
150°	293.5	280.7	269.0	256.8	246.2	234.4	225.3	218.2	211.6	207.5	207.0
152.5°	290.3	278.7	267.9	257.7	247.4	237.3	228.5	222.3	216.5	212.4	212.3
155°	285.3	275.2	266.5	257.9	249.8	241.1	234.0	228.4	223.3	220.3	220.3
157.5°	279.8	272.0	264.7	258.4	251.0	244.2	238.6	233.9	229.3	226.9	226.5
160°	276.2	269.6	263.9	258.4	252.3	246.2	241.1	237.6	233.4	231.4	231.4
162.5°	272.5	267.2	262.3	258.0	252.7	247.4	243.1	240.0	236.7	235.1	235.1
165°	267.5	263.5	259.9	256.8	253.2	249.2	245.7	243.6	241.1	240.0	240.6
167.5°	262.8	259.8	257.4	256.0	253.2	250.2	248.0	246.6	244.6	244.2	244.8
170°	259.9	257.3	255.8	254.9	252.8	250.2	249.2	248.2	246.6	246.2	247.2
172.5°	257.1	255.3	254.6	254.4	252.8	250.7	250.0	249.4	248.3	248.2	248.8
175°	253.8	252.8	252.8	253.2	252.3	251.3	250.7	250.7	249.8	250.2	250.7
177.5°	251.6	251.3	251.6	252.4	251.6	251.3	251.3	251.3	250.8	251.3	251.6
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1096.5	1100.6	1105.9	1113.7	1119.7	1124.9	1126.1	1127.6	1131.3	1137.6	1142.5
5°	1103.7	1114.4	1131.7	1148.4	1166.7	1181.6	1195.6	1205.4	1214.8	1234.4	1250.3
7.5°	1101.4	1125.3	1152.4	1182.6	1213.1	1242.7	1270.2	1294.7	1319.1	1347.7	1380.3
10°	1099.9	1127.9	1164.3	1203.1	1245.5	1287.1	1327.3	1358.5	1395.0	1427.6	1469.2
12.5°	1092.8	1133.2	1176.7	1226.3	1278.4	1326.3	1379.2	1422.5	1464.1	1511.3	1559.6
15°	1083.6	1132.6	1187.7	1253.5	1332.8	1390.8	1444.9	1520.1	1571.5	1622.8	1691.8
17.5°	1066.7	1126.5	1195.3	1280.9	1347.1	1424.9	1506.4	1565.8	1635.0	1707.3	1769.9
20°	1053.2	1122.8	1199.8	1283.9	1368.3	1452.9	1531.8	1602.7	1674.2	1757.7	1809.1
22.5°	1039.8	1108.6	1188.7	1277.9	1368.7	1457.7	1547.0	1630.3	1710.7	1795.1	1860.6
25°	1011.2	1092.9	1179.7	1270.8	1360.4	1458.5	1564.9	1657.8	1757.2	1844.1	1906.2
27.5°	982.2	1057.1	1143.6	1235.9	1335.6	1451.4	1576.6	1682.3	1781.9	1844.1	1863.6
30°	956.1	1035.5	1114.8	1208.7	1316.5	1445.8	1578.9	1699.8	1781.5	1808.6	1788.5
32.5°	929.6	1001.5	1080.1	1176.2	1290.8	1432.0	1581.9	1689.3	1738.6	1717.9	1636.1
35°	882.8	947.7	1023.8	1120.0	1251.6	1424.4	1569.6	1642.4	1630.2	1513.5	1359.5
37.5°	832.8	885.6	956.1	1056.7	1211.1	1394.0	1516.5	1527.2	1422.2	1243.0	1065.1
40°	793.2	840.8	913.2	1018.2	1179.7	1364.1	1463.1	1419.7	1256.8	1057.4	909.0
42.5°	754.7	794.9	864.6	977.9	1149.9	1323.5	1383.6	1289.0	1101.0	912.5	777.5
45°	689.6	727.4	797.4	913.6	1088.7	1245.5	1237.6	1073.3	885.2	733.4	621.3
47.5°	627.8	660.8	726.5	845.2	1016.9	1128.8	1054.6	879.8	720.1	598.4	518.5
50°	584.1	616.7	682.1	799.2	959.4	1041.1	935.1	766.6	620.5	519.6	456.1
52.5°	542.2	574.2	633.9	748.1	889.9	938.8	824.9	668.7	546.9	459.9	405.3
55°	483.7	507.9	561.6	670.8	776.9	788.1	672.7	542.0	441.7	380.9	343.6
57.5°	424.0	444.9	497.9	585.0	659.3	653.5	544.2	431.1	363.5	318.4	291.3
60°	385.1	405.7	452.4	527.1	583.1	563.5	463.2	372.1	314.1	281.1	259.6
62.5°	348.9	365.0	408.7	463.2	503.5	481.3	395.9	320.6	274.6	246.6	229.7
65°	296.5	309.5	344.6	373.0	395.4	374.0	303.0	250.7	217.6	198.0	186.3
67.5°	246.6	254.9	277.1	287.3	303.1	279.6	227.8	192.8	174.0	157.4	149.3
70°	215.3	221.3	233.0	241.4	245.6	221.3	183.0	157.3	141.4	129.7	124.7
72.5°	183.9	189.1	191.5	198.4	196.3	173.5	147.1	126.7	115.3	107.4	100.8
75°	140.5	142.9	140.5	137.7	131.6	115.7	97.6	87.3	78.9	75.2	72.9
77.5°	102.5	101.7	98.5	94.1	83.7	73.7	63.9	60.5	56.9	54.9	54.0
80°	78.9	77.0	74.2	67.2	58.3	51.4	49.0	46.7	45.3	43.0	42.4
82.5°	58.8	57.6	53.0	47.1	40.8	37.5	35.6	34.8	33.3	32.1	32.0
85°	31.3	29.9	24.7	21.5	20.5	19.6	19.2	19.2	17.3	16.8	16.8
87.5°	10.5	8.5	8.4	7.5	7.7	7.2	7.9	7.5	7.4	7.7	7.0
90°	2.1	3.0	4.5	5.6	6.6	8.1	9.6	11.1	12.8	12.2	12.8
92.5°	9.4	13.6	17.6	21.8	29.4	42.7	64.6	86.1	78.2	59.0	42.8
95°	18.8	24.4	33.1	46.3	66.1	109.3	185.1	268.6	301.6	244.6	183.1
97.5°	30.1	34.4	41.9	54.9	76.4	117.7	203.1	342.1	467.4	500.1	456.5
100°	38.2	41.7	48.9	61.0	80.9	116.5	191.7	325.5	481.6	581.8	599.7
102.5°	47.1	50.3	57.0	67.9	86.1	118.1	182.0	301.1	455.2	585.9	647.3
105°	60.5	63.6	69.6	79.4	95.1	122.6	175.0	271.1	408.9	554.9	661.2
107.5°	74.2	77.1	83.1	92.2	106.8	130.9	174.4	252.0	368.0	500.6	621.1
110°	83.9	86.5	92.0	100.7	114.9	137.9	176.5	244.6	344.8	466.4	582.8





TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	92.9	95.4	101.0	109.7	123.5	144.7	180.6	240.6	329.4	436.7	545.0
115°	106.3	109.3	114.4	123.1	136.8	156.1	187.2	239.1	312.8	400.8	494.9
117.5°	119.5	122.1	126.7	136.4	149.1	168.3	195.9	240.0	303.0	379.2	458.5
120°	127.7	130.2	135.3	145.0	157.7	175.9	202.4	241.6	298.5	367.7	439.4
122.5°	135.4	137.9	143.4	152.7	166.2	184.1	208.6	244.4	295.7	358.4	424.4
125°	146.0	149.0	154.6	164.3	178.0	195.8	218.2	248.7	291.9	346.3	404.3
127.5°	154.9	158.7	164.3	175.0	188.8	206.0	226.1	253.6	290.1	335.8	386.8
130°	160.2	164.8	170.9	181.6	195.3	212.0	231.4	256.8	288.9	330.1	375.9
132.5°	164.7	169.7	177.0	187.7	201.0	217.4	236.3	259.3	288.5	324.8	365.7
135°	171.9	177.5	185.1	195.8	209.6	225.3	242.6	263.0	287.8	317.9	352.0
137.5°	178.7	184.2	192.3	203.0	215.6	230.8	247.3	265.4	286.8	311.9	339.5
140°	183.6	188.7	196.8	207.0	219.7	234.4	249.8	267.0	286.3	308.2	332.2
142.5°	188.1	193.6	200.9	211.1	223.0	237.3	252.2	268.2	285.5	305.0	325.2
145°	195.3	199.9	207.5	216.2	227.8	241.1	254.9	269.0	284.3	300.6	316.8
147.5°	202.6	207.1	213.7	222.0	232.0	244.2	256.5	269.0	282.4	296.3	310.0
150°	207.5	211.6	218.2	225.3	234.4	246.2	256.8	269.0	280.7	293.5	305.1
152.5°	212.4	216.5	222.3	228.5	237.3	247.4	257.7	267.9	278.7	290.3	300.7
155°	220.3	223.3	228.4	234.0	241.1	249.8	257.9	266.5	275.2	285.3	294.0
157.5°	226.9	229.3	233.9	238.6	244.2	251.0	258.4	264.7	272.0	279.8	286.9
160°	231.4	233.4	237.6	241.1	246.2	252.3	258.4	263.9	269.6	276.2	282.8
162.5°	235.1	236.7	240.0	243.1	247.4	252.7	258.0	262.3	267.2	272.5	277.9
165°	240.0	241.1	243.6	245.7	249.2	253.2	256.8	259.9	263.5	267.5	271.6
167.5°	244.2	244.6	246.6	248.0	250.2	253.2	256.0	257.4	259.8	262.8	266.1
170°	246.2	246.6	248.2	249.2	250.2	252.8	254.9	255.8	257.3	259.9	262.4
172.5°	248.2	248.3	249.4	250.0	250.7	252.8	254.4	254.6	255.3	257.1	259.2
175°	250.2	249.8	250.7	250.7	251.3	252.3	253.2	252.8	252.8	253.8	254.9
177.5°	251.3	250.8	251.3	251.3	251.3	251.6	252.4	251.6	251.3	251.6	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1150.3	1150.3	1151.8	1157.4	1158.2	1163.1	1161.5
5°	1264.3	1273.1	1276.4	1290.4	1298.8	1302.5	1295.0
7.5°	1403.6	1428.6	1440.5	1455.1	1468.1	1472.0	1461.8
10°	1505.1	1531.2	1553.3	1566.7	1579.4	1587.8	1598.5
12.5°	1603.4	1635.5	1656.4	1675.4	1688.5	1699.1	1700.8
15°	1710.1	1758.6	1795.5	1822.6	1836.1	1843.2	1840.3
17.5°	1817.8	1862.8	1889.0	1916.6	1935.4	1936.4	1936.9
20°	1878.7	1922.5	1952.8	1973.4	1994.4	1993.5	1998.1
22.5°	1919.3	1953.9	1977.1	1992.1	1999.3	1995.7	1996.6
25°	1938.4	1948.7	1944.5	1920.7	1914.6	1892.7	1896.4
27.5°	1840.1	1791.6	1741.3	1676.8	1625.8	1585.1	1587.2
30°	1706.8	1621.0	1522.9	1440.7	1367.0	1346.4	1302.5
32.5°	1520.5	1391.6	1276.8	1200.2	1136.8	1119.7	1081.5
35°	1204.5	1079.3	961.3	890.3	862.3	823.0	822.6
37.5°	936.2	826.1	763.6	710.3	682.4	658.7	656.4
40°	787.6	701.7	654.5	616.3	588.7	571.0	566.8
42.5°	683.8	614.3	570.2	546.4	525.2	516.0	509.3
45°	558.4	511.7	480.9	459.4	449.6	442.6	438.8
47.5°	467.1	435.8	414.7	400.5	392.5	385.1	387.1
50°	417.4	391.7	376.3	362.7	356.7	351.5	352.0
52.5°	377.4	354.4	341.9	332.2	324.6	320.9	319.1
55°	320.3	305.8	293.2	286.1	282.0	276.9	275.4
57.5°	273.2	262.0	251.7	243.8	242.7	237.8	238.4
60°	241.8	232.5	224.1	219.9	216.6	212.4	213.8
62.5°	216.1	208.2	200.5	197.1	193.9	190.7	191.5
65°	176.9	169.4	164.8	162.9	161.5	160.2	158.7
67.5°	141.0	136.4	133.5	129.5	126.6	126.2	124.8
70°	118.6	112.5	107.4	102.3	100.9	100.4	100.9
72.5°	95.1	91.2	89.8	87.3	87.0	85.8	86.7
75°	71.4	70.0	69.1	67.2	67.2	67.2	67.2
77.5°	52.7	51.8	51.3	50.9	50.4	49.8	49.7
80°	41.1	40.6	39.7	39.7	39.2	39.7	39.2
82.5°	31.0	30.9	30.0	30.0	29.5	29.2	29.5
85°	15.9	15.4	16.3	15.4	15.9	15.0	15.9
87.5°	7.1	7.2	7.0	7.0	6.7	7.5	6.7
90°	13.2	13.7	14.7	14.3	14.7	15.2	14.7
92.5°	34.0	30.1	27.4	26.5	24.9	25.4	24.5
95°	124.1	97.1	78.8	69.2	64.6	61.0	59.0
97.5°	365.6	300.0	239.2	201.6	178.7	165.0	160.6
100°	558.5	498.9	426.7	375.3	338.2	318.4	318.9
102.5°	646.0	611.3	565.4	525.5	496.1	479.5	467.8
105°	712.0	721.8	708.5	685.1	665.8	649.5	646.9
107.5°	703.7	748.2	766.3	766.8	760.3	754.7	750.1
110°	676.5	740.6	776.1	790.4	794.4	793.4	792.4



TEST NUMBER: P332308-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	640.6	712.5	758.2	784.3	796.9	800.8	800.9
115°	583.4	658.2	713.5	751.7	774.1	784.3	786.8
117.5°	534.9	602.1	658.4	698.1	723.7	738.4	741.8
120°	508.1	569.1	620.5	660.7	689.2	701.3	704.5
122.5°	486.5	543.1	590.8	626.5	652.1	665.6	669.4
125°	459.8	508.6	549.3	581.8	604.2	617.0	620.5
127.5°	436.3	480.4	517.4	546.4	565.4	576.9	580.2
130°	421.6	462.8	497.4	524.4	542.7	553.4	557.4
132.5°	407.8	446.1	479.1	504.4	522.7	532.2	535.0
135°	388.1	421.2	450.1	475.0	490.3	499.4	503.0
137.5°	369.1	397.5	422.7	443.6	459.1	466.8	469.1
140°	358.0	382.5	404.3	423.7	437.9	446.0	445.5
142.5°	347.5	368.6	387.6	404.1	416.8	424.1	423.6
145°	333.7	349.9	364.7	377.4	388.1	392.2	393.2
147.5°	323.3	336.5	347.0	356.6	363.8	367.7	368.1
150°	316.8	327.5	337.2	344.8	350.4	353.5	353.5
152.5°	310.8	320.2	328.2	334.2	339.5	341.3	341.3
155°	302.1	309.8	315.8	320.4	324.5	325.5	326.0
157.5°	293.6	299.6	304.3	308.4	311.4	312.2	312.1
160°	288.4	293.5	297.0	300.6	303.6	303.6	303.1
162.5°	282.7	287.4	290.5	292.8	295.5	295.5	295.0
165°	274.6	278.2	280.7	282.8	284.8	284.3	284.3
167.5°	268.4	270.5	272.3	273.2	274.6	274.1	274.1
170°	263.9	266.0	267.0	267.5	268.6	268.0	268.0
172.5°	260.3	261.9	262.5	262.6	263.7	262.8	262.3
175°	255.3	256.4	256.4	256.4	256.8	256.4	255.8
177.5°	252.4	252.9	252.9	252.4	252.9	252.1	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3

(END OF REPORT)