

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: P332307-940

Luminaire Tested: **S123RDIP-S775D585U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332307-940  
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-S775D585U940-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

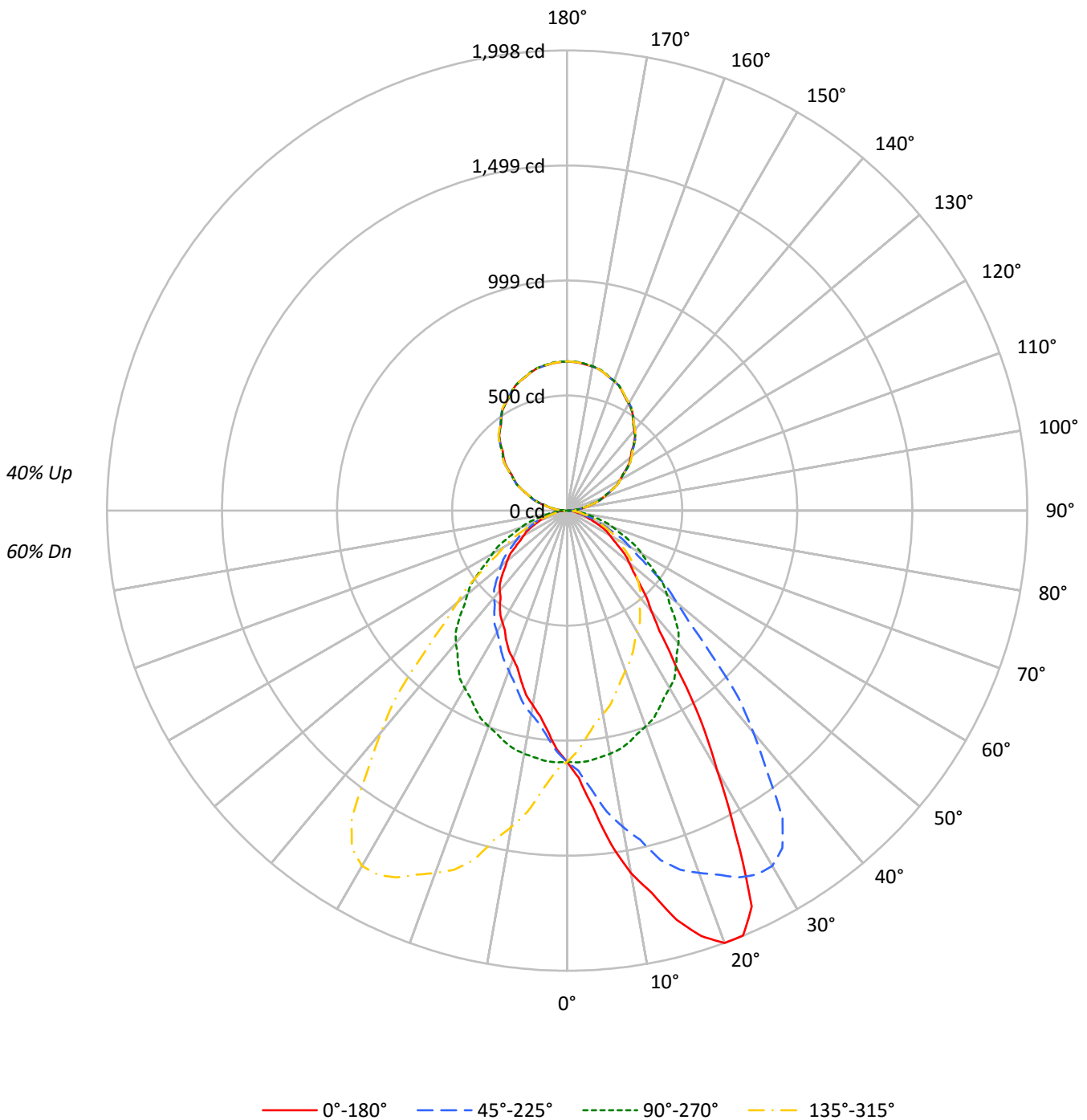
Lumens per Lamp: N/A  
Luminaire Lumens: 4511.2 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (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



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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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	101	97	93	90	94	91	87	84	79	77	75	69	67	65	59	58	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	76	68	63	79	71	65	60	63	58	54	55	51	48	47	45	42	39
4	78	67	60	54	73	63	57	51	56	51	46	49	45	42	43	40	37	34
5	72	60	52	47	67	57	50	45	51	45	41	45	40	37	39	35	33	30
6	66	55	47	41	62	52	44	39	46	40	36	40	36	32	36	32	29	27
7	62	49	42	36	58	47	40	35	42	36	32	37	32	29	33	29	26	24
8	57	45	37	32	54	43	36	31	38	33	28	34	29	26	30	26	24	21
9	53	41	34	29	50	39	32	28	35	30	26	31	27	24	28	24	21	19
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18

**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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	2.4
10°-20°	335.1	7.4
20°-30°	526.4	11.7
30°-40°	549.2	12.2
40°-50°	470.0	10.4
50°-60°	358.2	7.9
60°-70°	229.6	5.1
70°-80°	110.5	2.4
80°-90°	31.2	0.7
90°-100°	42.2	0.9
100°-110°	126.2	2.8
110°-120°	214.7	4.8
120°-130°	282.4	6.3
130°-140°	317.5	7.0
140°-150°	312.1	6.9
150°-160°	262.7	5.8
160°-170°	174.9	3.9
170°-180°	61.2	1.4
0°-30°	968.7	21.5
0°-40°	1517.9	33.6
0°-60°	2346.1	52.0
0°-90°	2717.3	60.2
90°-120°	383.2	8.5
90°-150°	1295.1	28.7
90°-180°	1794.0	39.8
0°-180°	4511.2	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	0	15	0	15	8
95°	40	30	40	30	40	41
105°	121	114	121	114	121	128
115°	217	216	217	216	217	215
125°	313	316	313	316	313	280
135°	410	410	410	410	410	315
145°	498	498	498	498	498	311
155°	569	570	569	570	569	262
165°	619	621	619	621	619	175
175°	643	646	643	646	643	61
180°	648	648	648	648	648	



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**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°	6.8	7.5	6.7	7.0	7.0	7.3	7.2	7.1	7.8	7.3	7.4
90°	15.2	15.1	14.8	14.6	14.4	14.0	13.6	13.1	12.7	12.2	10.7
92.5°	20.5	20.7	20.8	21.0	21.1	21.0	20.6	20.2	19.9	19.5	18.7
95°	39.7	39.7	39.7	39.7	39.7	39.4	39.0	38.5	38.1	37.6	36.7
97.5°	61.0	61.1	61.1	61.2	61.2	61.0	60.5	59.9	59.4	58.9	58.2
100°	77.3	77.0	76.9	76.6	76.4	76.2	75.8	75.4	75.1	74.7	74.2
102.5°	94.0	94.1	94.1	94.2	94.2	94.0	93.7	93.4	93.0	92.6	91.9
105°	121.1	120.8	120.6	120.4	120.1	120.0	120.0	120.0	120.0	120.0	119.0
107.5°	149.3	149.4	149.5	149.6	149.8	149.6	149.3	148.9	148.6	148.2	147.8
110°	168.4	168.6	168.8	169.1	169.2	169.2	168.7	168.3	167.8	167.4	167.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	188.7	188.8	188.8	188.9	188.9	188.6	188.1	187.5	187.0	186.5	186.5
115°	216.7	216.8	216.9	217.0	217.1	217.1	217.0	216.9	216.8	216.7	216.9
117.5°	245.0	245.4	245.7	246.0	246.3	246.5	246.5	246.6	246.6	246.6	246.9
120°	265.0	265.2	265.5	265.6	265.9	266.1	266.2	266.3	266.4	266.5	267.1
122.5°	284.1	284.5	284.7	285.1	285.3	285.7	286.0	286.2	286.6	286.9	287.1
125°	312.8	313.3	313.7	314.1	314.6	315.0	315.5	315.9	316.4	316.9	317.1
127.5°	341.3	341.9	342.4	343.0	343.5	344.0	344.6	345.3	346.0	346.6	346.8
130°	360.1	360.9	361.7	362.5	363.3	363.9	364.4	364.8	365.2	365.7	366.0
132.5°	379.6	380.2	380.8	381.5	382.1	382.6	383.2	383.7	384.2	384.9	385.0
135°	409.9	410.2	410.4	410.6	410.8	411.2	411.6	412.1	412.6	413.0	413.1
137.5°	436.7	437.1	437.6	438.0	438.5	438.9	439.3	439.8	440.3	440.8	440.5
140°	454.2	455.0	455.8	456.6	457.4	457.8	457.9	458.1	458.2	458.3	458.2
142.5°	472.1	472.7	473.3	473.9	474.6	474.9	475.0	475.1	475.3	475.4	475.2
145°	497.9	498.4	498.8	499.3	499.7	500.1	500.2	500.2	500.3	500.5	500.2
147.5°	520.9	521.7	522.3	523.0	523.6	524.0	524.0	524.0	524.0	524.0	523.7
150°	535.6	536.3	536.9	537.6	538.3	538.6	538.6	538.6	538.6	538.6	538.4
152.5°	549.8	550.5	551.0	551.6	552.1	552.4	552.2	552.1	551.8	551.6	551.5
155°	569.2	570.0	570.7	571.5	572.3	572.5	572.0	571.6	571.1	570.7	570.6
157.5°	586.7	587.4	588.0	588.6	589.2	589.3	588.9	588.4	587.9	587.5	587.4
160°	598.2	598.6	599.1	599.5	599.9	599.9	599.3	598.8	598.2	597.6	597.6
162.5°	606.7	607.4	608.1	608.9	609.6	609.7	609.1	608.5	608.0	607.4	607.3
165°	619.0	619.8	620.5	621.3	622.1	622.2	621.5	620.9	620.2	619.5	619.5
167.5°	629.5	630.2	630.9	631.6	632.3	632.3	631.6	630.9	630.2	629.5	629.4
170°	634.7	635.5	636.3	637.1	637.9	637.9	637.1	636.3	635.5	634.7	634.7
172.5°	638.8	639.6	640.4	641.2	642.0	642.0	641.3	640.6	640.0	639.3	639.3
175°	643.4	644.2	645.0	645.8	646.6	646.7	646.0	645.2	644.6	643.9	643.9
177.5°	645.9	646.5	647.1	647.7	648.4	648.5	647.9	647.4	646.8	646.2	646.2
180°	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5



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**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°	7.8	7.1	7.6	7.3	8.3	8.4	10.4	12.0	12.7	11.4	11.6
90°	9.3	7.8	6.3	5.0	3.9	2.8	1.6	0.5	1.6	2.8	3.9
92.5°	17.8	17.0	16.2	15.4	14.6	13.8	13.1	12.3	13.1	13.8	14.6
95°	35.8	35.0	34.1	33.2	32.4	31.6	30.8	30.1	30.8	31.6	32.4
97.5°	57.6	56.9	56.3	55.6	55.1	54.5	53.9	53.3	53.9	54.5	55.1
100°	73.7	73.0	72.5	71.9	71.2	70.5	69.8	69.2	69.8	70.5	71.2
102.5°	91.2	90.4	89.7	89.1	88.7	88.3	87.9	87.5	87.9	88.3	88.7
105°	118.0	117.0	115.9	115.4	115.1	114.9	114.7	114.4	114.7	114.9	115.1
107.5°	147.4	147.0	146.6	146.3	146.2	146.1	145.9	145.8	145.9	146.1	146.2
110°	166.9	166.7	166.4	166.2	165.9	165.8	165.5	165.3	165.5	165.8	165.9





TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	186.4	186.4	186.3	186.2	186.0	185.9	185.7	185.7	185.7	185.9	186.0
115°	217.1	217.3	217.6	217.5	217.2	216.9	216.5	216.2	216.5	216.9	217.2
117.5°	247.2	247.4	247.7	247.8	247.5	247.4	247.1	246.9	247.1	247.4	247.5
120°	267.7	268.2	268.8	268.8	268.0	267.3	266.7	266.0	266.7	267.3	268.0
122.5°	287.5	287.8	288.0	287.9	287.4	287.0	286.4	286.0	286.4	287.0	287.4
125°	317.4	317.5	317.8	317.7	317.4	317.0	316.7	316.4	316.7	317.0	317.4
127.5°	347.1	347.3	347.6	347.3	346.6	345.9	345.2	344.5	345.2	345.9	346.6
130°	366.4	366.8	367.0	366.8	365.9	365.0	364.1	363.2	364.1	365.0	365.9
132.5°	385.3	385.6	385.8	385.5	384.6	383.7	382.8	381.8	382.8	383.7	384.6
135°	413.2	413.3	413.5	413.1	412.5	411.8	411.2	410.5	411.2	411.8	412.5
137.5°	440.1	439.9	439.6	439.2	438.6	438.0	437.5	436.9	437.5	438.0	438.6
140°	458.1	457.9	457.8	457.4	456.9	456.4	455.8	455.2	455.8	456.4	456.9
142.5°	474.9	474.7	474.6	474.1	473.6	473.1	472.4	471.9	472.4	473.1	473.6
145°	499.8	499.4	499.1	498.8	498.6	498.4	498.2	497.9	498.2	498.4	498.6
147.5°	523.3	523.1	522.7	522.4	521.9	521.6	521.1	520.8	521.1	521.6	521.9
150°	538.1	538.0	537.7	537.5	537.3	537.1	536.8	536.6	536.8	537.1	537.3
152.5°	551.3	551.3	551.1	550.9	550.5	550.3	549.9	549.7	549.9	550.3	550.5
155°	570.4	570.3	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
157.5°	587.3	587.2	587.1	587.1	587.3	587.4	587.5	587.6	587.5	587.4	587.3
160°	597.6	597.6	597.6	597.7	598.0	598.2	598.4	598.6	598.4	598.2	598.0
162.5°	607.3	607.2	607.1	607.2	607.4	607.8	608.1	608.4	608.1	607.8	607.4
165°	619.5	619.5	619.5	619.6	620.0	620.4	620.7	621.0	620.7	620.4	620.0
167.5°	629.3	629.2	629.1	629.3	629.7	630.2	630.6	631.1	630.6	630.2	629.7
170°	634.7	634.7	634.7	635.0	635.4	635.9	636.3	636.8	636.3	635.9	635.4
172.5°	639.3	639.3	639.3	639.4	639.9	640.3	640.8	641.2	640.8	640.3	639.9
175°	643.9	643.9	643.9	644.2	644.6	645.1	645.5	646.0	645.5	645.1	644.6
177.5°	646.2	646.2	646.2	646.4	646.8	647.2	647.6	647.9	647.6	647.2	646.8
180°	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5



TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**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°	11.5	12.8	13.6	14.2	14.8	14.8	15.2	15.3	15.8	15.9	16.0
90°	5.0	6.3	7.8	9.3	10.7	12.2	12.7	13.1	13.6	14.0	14.4
92.5°	15.4	16.2	17.0	17.8	18.7	19.5	19.9	20.2	20.6	21.0	21.1
95°	33.2	34.1	35.0	35.8	36.7	37.6	38.1	38.5	39.0	39.4	39.7
97.5°	55.6	56.3	56.9	57.6	58.2	58.9	59.4	59.9	60.5	61.0	61.2
100°	71.9	72.5	73.0	73.7	74.2	74.7	75.1	75.4	75.8	76.2	76.4
102.5°	89.1	89.7	90.4	91.2	91.9	92.6	93.0	93.4	93.7	94.0	94.2
105°	115.4	115.9	117.0	118.0	119.0	120.0	120.0	120.0	120.0	120.0	120.1
107.5°	146.3	146.6	147.0	147.4	147.8	148.2	148.6	148.9	149.3	149.6	149.8
110°	166.2	166.4	166.7	166.9	167.1	167.4	167.8	168.3	168.7	169.2	169.2



TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	186.2	186.3	186.4	186.4	186.5	186.5	187.0	187.5	188.1	188.6	188.9
115°	217.5	217.6	217.3	217.1	216.9	216.7	216.8	216.9	217.0	217.1	217.1
117.5°	247.8	247.7	247.4	247.2	246.9	246.6	246.6	246.6	246.5	246.5	246.3
120°	268.8	268.8	268.2	267.7	267.1	266.5	266.4	266.3	266.2	266.1	265.9
122.5°	287.9	288.0	287.8	287.5	287.1	286.9	286.6	286.2	286.0	285.7	285.3
125°	317.7	317.8	317.5	317.4	317.1	316.9	316.4	315.9	315.5	315.0	314.6
127.5°	347.3	347.6	347.3	347.1	346.8	346.6	346.0	345.3	344.6	344.0	343.5
130°	366.8	367.0	366.8	366.4	366.0	365.7	365.2	364.8	364.4	363.9	363.3
132.5°	385.5	385.8	385.6	385.3	385.0	384.9	384.2	383.7	383.2	382.6	382.1
135°	413.1	413.5	413.3	413.2	413.1	413.0	412.6	412.1	411.6	411.2	410.8
137.5°	439.2	439.6	439.9	440.1	440.5	440.8	440.3	439.8	439.3	438.9	438.5
140°	457.4	457.8	457.9	458.1	458.2	458.3	458.2	458.1	457.9	457.8	457.4
142.5°	474.1	474.6	474.7	474.9	475.2	475.4	475.3	475.1	475.0	474.9	474.6
145°	498.8	499.1	499.4	499.8	500.2	500.5	500.3	500.2	500.2	500.1	499.7
147.5°	522.4	522.7	523.1	523.3	523.7	524.0	524.0	524.0	524.0	524.0	523.6
150°	537.5	537.7	538.0	538.1	538.4	538.6	538.6	538.6	538.6	538.6	538.3
152.5°	550.9	551.1	551.3	551.3	551.5	551.6	551.8	552.1	552.2	552.4	552.1
155°	570.2	570.2	570.3	570.4	570.6	570.7	571.1	571.6	572.0	572.5	572.3
157.5°	587.1	587.1	587.2	587.3	587.4	587.5	587.9	588.4	588.9	589.3	589.2
160°	597.7	597.6	597.6	597.6	597.6	597.6	598.2	598.8	599.3	599.9	599.9
162.5°	607.2	607.1	607.2	607.3	607.3	607.4	608.0	608.5	609.1	609.7	609.6
165°	619.6	619.5	619.5	619.5	619.5	619.5	620.2	620.9	621.5	622.2	622.1
167.5°	629.3	629.1	629.2	629.3	629.4	629.5	630.2	630.9	631.6	632.3	632.3
170°	635.0	634.7	634.7	634.7	634.7	634.7	635.5	636.3	637.1	637.9	637.9
172.5°	639.4	639.3	639.3	639.3	639.3	639.3	640.0	640.6	641.3	642.0	642.0
175°	644.2	643.9	643.9	643.9	643.9	643.9	644.6	645.2	646.0	646.7	646.6
177.5°	646.4	646.2	646.2	646.2	646.2	646.2	646.8	647.4	647.9	648.5	648.4
180°	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5



TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**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°	16.8	16.1	16.1	16.5	16.1	16.1	16.8	16.0	15.9	15.8	15.3
90°	14.6	14.8	15.1	15.2	15.1	14.8	14.6	14.4	14.0	13.6	13.1
92.5°	21.0	20.8	20.7	20.5	20.7	20.8	21.0	21.1	21.0	20.6	20.2
95°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.4	39.0	38.5
97.5°	61.2	61.1	61.1	61.0	61.1	61.1	61.2	61.2	61.0	60.5	59.9
100°	76.6	76.9	77.0	77.3	77.0	76.9	76.6	76.4	76.2	75.8	75.4
102.5°	94.2	94.1	94.1	94.0	94.1	94.1	94.2	94.2	94.0	93.7	93.4
105°	120.4	120.6	120.8	121.1	120.8	120.6	120.4	120.1	120.0	120.0	120.0
107.5°	149.6	149.5	149.4	149.3	149.4	149.5	149.6	149.8	149.6	149.3	148.9
110°	169.1	168.8	168.6	168.4	168.6	168.8	169.1	169.2	169.2	168.7	168.3



TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	188.9	188.8	188.8	188.7	188.8	188.8	188.9	188.9	188.6	188.1	187.5
115°	217.0	216.9	216.8	216.7	216.8	216.9	217.0	217.1	217.1	217.0	216.9
117.5°	246.0	245.7	245.4	245.0	245.4	245.7	246.0	246.3	246.5	246.5	246.6
120°	265.6	265.5	265.2	265.0	265.2	265.5	265.6	265.9	266.1	266.2	266.3
122.5°	285.1	284.7	284.5	284.1	284.5	284.7	285.1	285.3	285.7	286.0	286.2
125°	314.1	313.7	313.3	312.8	313.3	313.7	314.1	314.6	315.0	315.5	315.9
127.5°	343.0	342.4	341.9	341.3	341.9	342.4	343.0	343.5	344.0	344.6	345.3
130°	362.5	361.7	360.9	360.1	360.9	361.7	362.5	363.3	363.9	364.4	364.8
132.5°	381.5	380.8	380.2	379.6	380.2	380.8	381.5	382.1	382.6	383.2	383.7
135°	410.6	410.4	410.2	409.9	410.2	410.4	410.6	410.8	411.2	411.6	412.1
137.5°	438.0	437.6	437.1	436.7	437.1	437.6	438.0	438.5	438.9	439.3	439.8
140°	456.6	455.8	455.0	454.2	455.0	455.8	456.6	457.4	457.8	457.9	458.1
142.5°	473.9	473.3	472.7	472.1	472.7	473.3	473.9	474.6	474.9	475.0	475.1
145°	499.3	498.8	498.4	497.9	498.4	498.8	499.3	499.7	500.1	500.2	500.2
147.5°	523.0	522.3	521.7	520.9	521.7	522.3	523.0	523.6	524.0	524.0	524.0
150°	537.6	536.9	536.3	535.6	536.3	536.9	537.6	538.3	538.6	538.6	538.6
152.5°	551.6	551.0	550.5	549.8	550.5	551.0	551.6	552.1	552.4	552.2	552.1
155°	571.5	570.7	570.0	569.2	570.0	570.7	571.5	572.3	572.5	572.0	571.6
157.5°	588.6	588.0	587.4	586.7	587.4	588.0	588.6	589.2	589.3	588.9	588.4
160°	599.5	599.1	598.6	598.2	598.6	599.1	599.5	599.9	599.9	599.3	598.8
162.5°	608.9	608.1	607.4	606.7	607.4	608.1	608.9	609.6	609.7	609.1	608.5
165°	621.3	620.5	619.8	619.0	619.8	620.5	621.3	622.1	622.2	621.5	620.9
167.5°	631.6	630.9	630.2	629.5	630.2	630.9	631.6	632.3	632.3	631.6	630.9
170°	637.1	636.3	635.5	634.7	635.5	636.3	637.1	637.9	637.9	637.1	636.3
172.5°	641.2	640.4	639.6	638.8	639.6	640.4	641.2	642.0	642.0	641.3	640.6
175°	645.8	645.0	644.2	643.4	644.2	645.0	645.8	646.6	646.7	646.0	645.2
177.5°	647.7	647.1	646.5	645.9	646.5	647.1	647.7	648.4	648.5	647.9	647.4
180°	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5



TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**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	14.8	14.8	14.2	13.6	12.8	11.5	11.6	11.4	12.7	12.0
90°	12.7	12.2	10.7	9.3	7.8	6.3	5.0	3.9	2.8	1.6	0.5
92.5°	19.9	19.5	18.7	17.8	17.0	16.2	15.4	14.6	13.8	13.1	12.3
95°	38.1	37.6	36.7	35.8	35.0	34.1	33.2	32.4	31.6	30.8	30.1
97.5°	59.4	58.9	58.2	57.6	56.9	56.3	55.6	55.1	54.5	53.9	53.3
100°	75.1	74.7	74.2	73.7	73.0	72.5	71.9	71.2	70.5	69.8	69.2
102.5°	93.0	92.6	91.9	91.2	90.4	89.7	89.1	88.7	88.3	87.9	87.5
105°	120.0	120.0	119.0	118.0	117.0	115.9	115.4	115.1	114.9	114.7	114.4
107.5°	148.6	148.2	147.8	147.4	147.0	146.6	146.3	146.2	146.1	145.9	145.8
110°	167.8	167.4	167.1	166.9	166.7	166.4	166.2	165.9	165.8	165.5	165.3



TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	187.0	186.5	186.5	186.4	186.4	186.3	186.2	186.0	185.9	185.7	185.7
115°	216.8	216.7	216.9	217.1	217.3	217.6	217.5	217.2	216.9	216.5	216.2
117.5°	246.6	246.6	246.9	247.2	247.4	247.7	247.8	247.5	247.4	247.1	246.9
120°	266.4	266.5	267.1	267.7	268.2	268.8	268.8	268.0	267.3	266.7	266.0
122.5°	286.6	286.9	287.1	287.5	287.8	288.0	287.9	287.4	287.0	286.4	286.0
125°	316.4	316.9	317.1	317.4	317.5	317.8	317.7	317.4	317.0	316.7	316.4
127.5°	346.0	346.6	346.8	347.1	347.3	347.6	347.3	346.6	345.9	345.2	344.5
130°	365.2	365.7	366.0	366.4	366.8	367.0	366.8	365.9	365.0	364.1	363.2
132.5°	384.2	384.9	385.0	385.3	385.6	385.8	385.5	384.6	383.7	382.8	381.8
135°	412.6	413.0	413.1	413.2	413.3	413.5	413.1	412.5	411.8	411.2	410.5
137.5°	440.3	440.8	440.5	440.1	439.9	439.6	439.2	438.6	438.0	437.5	436.9
140°	458.2	458.3	458.2	458.1	457.9	457.8	457.4	456.9	456.4	455.8	455.2
142.5°	475.3	475.4	475.2	474.9	474.7	474.6	474.1	473.6	473.1	472.4	471.9
145°	500.3	500.5	500.2	499.8	499.4	499.1	498.8	498.6	498.4	498.2	497.9
147.5°	524.0	524.0	523.7	523.3	523.1	522.7	522.4	521.9	521.6	521.1	520.8
150°	538.6	538.6	538.4	538.1	538.0	537.7	537.5	537.3	537.1	536.8	536.6
152.5°	551.8	551.6	551.5	551.3	551.3	551.1	550.9	550.5	550.3	549.9	549.7
155°	571.1	570.7	570.6	570.4	570.3	570.2	570.2	570.2	570.2	570.2	570.2
157.5°	587.9	587.5	587.4	587.3	587.2	587.1	587.1	587.3	587.4	587.5	587.6
160°	598.2	597.6	597.6	597.6	597.6	597.6	597.7	598.0	598.2	598.4	598.6
162.5°	608.0	607.4	607.3	607.3	607.2	607.1	607.2	607.4	607.8	608.1	608.4
165°	620.2	619.5	619.5	619.5	619.5	619.5	619.6	620.0	620.4	620.7	621.0
167.5°	630.2	629.5	629.4	629.3	629.2	629.1	629.3	629.7	630.2	630.6	631.1
170°	635.5	634.7	634.7	634.7	634.7	634.7	635.0	635.4	635.9	636.3	636.8
172.5°	640.0	639.3	639.3	639.3	639.3	639.3	639.4	639.9	640.3	640.8	641.2
175°	644.6	643.9	643.9	643.9	643.9	643.9	644.2	644.6	645.1	645.5	646.0
177.5°	646.8	646.2	646.2	646.2	646.2	646.2	646.4	646.8	647.2	647.6	647.9
180°	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5



TEST NUMBER: P332307-940

CATALOG NUMBER: S123RDIP-S775D585U940-4F0-1E-UDD-A1

**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°	10.4	8.4	8.3	7.3	7.6	7.1	7.8	7.4	7.3	7.8	7.1
90°	1.6	2.8	3.9	5.0	6.3	7.8	9.3	10.7	12.2	12.7	13.1
92.5°	13.1	13.8	14.6	15.4	16.2	17.0	17.8	18.7	19.5	19.9	20.2
95°	30.8	31.6	32.4	33.2	34.1	35.0	35.8	36.7	37.6	38.1	38.5
97.5°	53.9	54.5	55.1	55.6	56.3	56.9	57.6	58.2	58.9	59.4	59.9
100°	69.8	70.5	71.2	71.9	72.5	73.0	73.7	74.2	74.7	75.1	75.4
102.5°	87.9	88.3	88.7	89.1	89.7	90.4	91.2	91.9	92.6	93.0	93.4
105°	114.7	114.9	115.1	115.4	115.9	117.0	118.0	119.0	120.0	120.0	120.0
107.5°	145.9	146.1	146.2	146.3	146.6	147.0	147.4	147.8	148.2	148.6	148.9
110°	165.5	165.8	165.9	166.2	166.4	166.7	166.9	167.1	167.4	167.8	168.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	185.7	185.9	186.0	186.2	186.3	186.4	186.4	186.5	186.5	187.0	187.5
115°	216.5	216.9	217.2	217.5	217.6	217.3	217.1	216.9	216.7	216.8	216.9
117.5°	247.1	247.4	247.5	247.8	247.7	247.4	247.2	246.9	246.6	246.6	246.6
120°	266.7	267.3	268.0	268.8	268.8	268.2	267.7	267.1	266.5	266.4	266.3
122.5°	286.4	287.0	287.4	287.9	288.0	287.8	287.5	287.1	286.9	286.6	286.2
125°	316.7	317.0	317.4	317.7	317.8	317.5	317.4	317.1	316.9	316.4	315.9
127.5°	345.2	345.9	346.6	347.3	347.6	347.3	347.1	346.8	346.6	346.0	345.3
130°	364.1	365.0	365.9	366.8	367.0	366.8	366.4	366.0	365.7	365.2	364.8
132.5°	382.8	383.7	384.6	385.5	385.8	385.6	385.3	385.0	384.9	384.2	383.7
135°	411.2	411.8	412.5	413.1	413.5	413.3	413.2	413.1	413.0	412.6	412.1
137.5°	437.5	438.0	438.6	439.2	439.6	439.9	440.1	440.5	440.8	440.3	439.8
140°	455.8	456.4	456.9	457.4	457.8	457.9	458.1	458.2	458.3	458.2	458.1
142.5°	472.4	473.1	473.6	474.1	474.6	474.7	474.9	475.2	475.4	475.3	475.1
145°	498.2	498.4	498.6	498.8	499.1	499.4	499.8	500.2	500.5	500.3	500.2
147.5°	521.1	521.6	521.9	522.4	522.7	523.1	523.3	523.7	524.0	524.0	524.0
150°	536.8	537.1	537.3	537.5	537.7	538.0	538.1	538.4	538.6	538.6	538.6
152.5°	549.9	550.3	550.5	550.9	551.1	551.3	551.3	551.5	551.6	551.8	552.1
155°	570.2	570.2	570.2	570.2	570.2	570.3	570.4	570.6	570.7	571.1	571.6
157.5°	587.5	587.4	587.3	587.1	587.1	587.2	587.3	587.4	587.5	587.9	588.4
160°	598.4	598.2	598.0	597.7	597.6	597.6	597.6	597.6	597.6	598.2	598.8
162.5°	608.1	607.8	607.4	607.2	607.1	607.2	607.3	607.3	607.4	608.0	608.5
165°	620.7	620.4	620.0	619.6	619.5	619.5	619.5	619.5	619.5	620.2	620.9
167.5°	630.6	630.2	629.7	629.3	629.1	629.2	629.3	629.4	629.5	630.2	630.9
170°	636.3	635.9	635.4	635.0	634.7	634.7	634.7	634.7	634.7	635.5	636.3
172.5°	640.8	640.3	639.9	639.4	639.3	639.3	639.3	639.3	639.3	640.0	640.6
175°	645.5	645.1	644.6	644.2	643.9	643.9	643.9	643.9	643.9	644.6	645.2
177.5°	647.6	647.2	646.8	646.4	646.2	646.2	646.2	646.2	646.2	646.8	647.4
180°	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5	647.5



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**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°	7.2	7.3	7.0	7.0	6.7	7.5	6.8
90°	13.6	14.0	14.4	14.6	14.8	15.1	15.2
92.5°	20.6	21.0	21.1	21.0	20.8	20.7	20.5
95°	39.0	39.4	39.7	39.7	39.7	39.7	39.7
97.5°	60.5	61.0	61.2	61.2	61.1	61.1	61.0
100°	75.8	76.2	76.4	76.6	76.9	77.0	77.3
102.5°	93.7	94.0	94.2	94.2	94.1	94.1	94.0
105°	120.0	120.0	120.1	120.4	120.6	120.8	121.1
107.5°	149.3	149.6	149.8	149.6	149.5	149.4	149.3
110°	168.7	169.2	169.2	169.1	168.8	168.6	168.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	188.1	188.6	188.9	188.9	188.8	188.8	188.7
115°	217.0	217.1	217.1	217.0	216.9	216.8	216.7
117.5°	246.5	246.5	246.3	246.0	245.7	245.4	245.0
120°	266.2	266.1	265.9	265.6	265.5	265.2	265.0
122.5°	286.0	285.7	285.3	285.1	284.7	284.5	284.1
125°	315.5	315.0	314.6	314.1	313.7	313.3	312.8
127.5°	344.6	344.0	343.5	343.0	342.4	341.9	341.3
130°	364.4	363.9	363.3	362.5	361.7	360.9	360.1
132.5°	383.2	382.6	382.1	381.5	380.8	380.2	379.6
135°	411.6	411.2	410.8	410.6	410.4	410.2	409.9
137.5°	439.3	438.9	438.5	438.0	437.6	437.1	436.7
140°	457.9	457.8	457.4	456.6	455.8	455.0	454.2
142.5°	475.0	474.9	474.6	473.9	473.3	472.7	472.1
145°	500.2	500.1	499.7	499.3	498.8	498.4	497.9
147.5°	524.0	524.0	523.6	523.0	522.3	521.7	520.9
150°	538.6	538.6	538.3	537.6	536.9	536.3	535.6
152.5°	552.2	552.4	552.1	551.6	551.0	550.5	549.8
155°	572.0	572.5	572.3	571.5	570.7	570.0	569.2
157.5°	588.9	589.3	589.2	588.6	588.0	587.4	586.7
160°	599.3	599.9	599.9	599.5	599.1	598.6	598.2
162.5°	609.1	609.7	609.6	608.9	608.1	607.4	606.7
165°	621.5	622.2	622.1	621.3	620.5	619.8	619.0
167.5°	631.6	632.3	632.3	631.6	630.9	630.2	629.5
170°	637.1	637.9	637.9	637.1	636.3	635.5	634.7
172.5°	641.3	642.0	642.0	641.2	640.4	639.6	638.8
175°	646.0	646.7	646.6	645.8	645.0	644.2	643.4
177.5°	647.9	648.5	648.4	647.7	647.1	646.5	645.9
180°	647.5	647.5	647.5	647.5	647.5	647.5	647.5

(END OF REPORT)