

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: P332320-940

Luminaire Tested: **S123RDIP-S775D1025U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332320-940
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-S775D1025U940-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6026.9 lumens
Efficiency: N/A
Efficacy: 115.9 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: General Diffuse

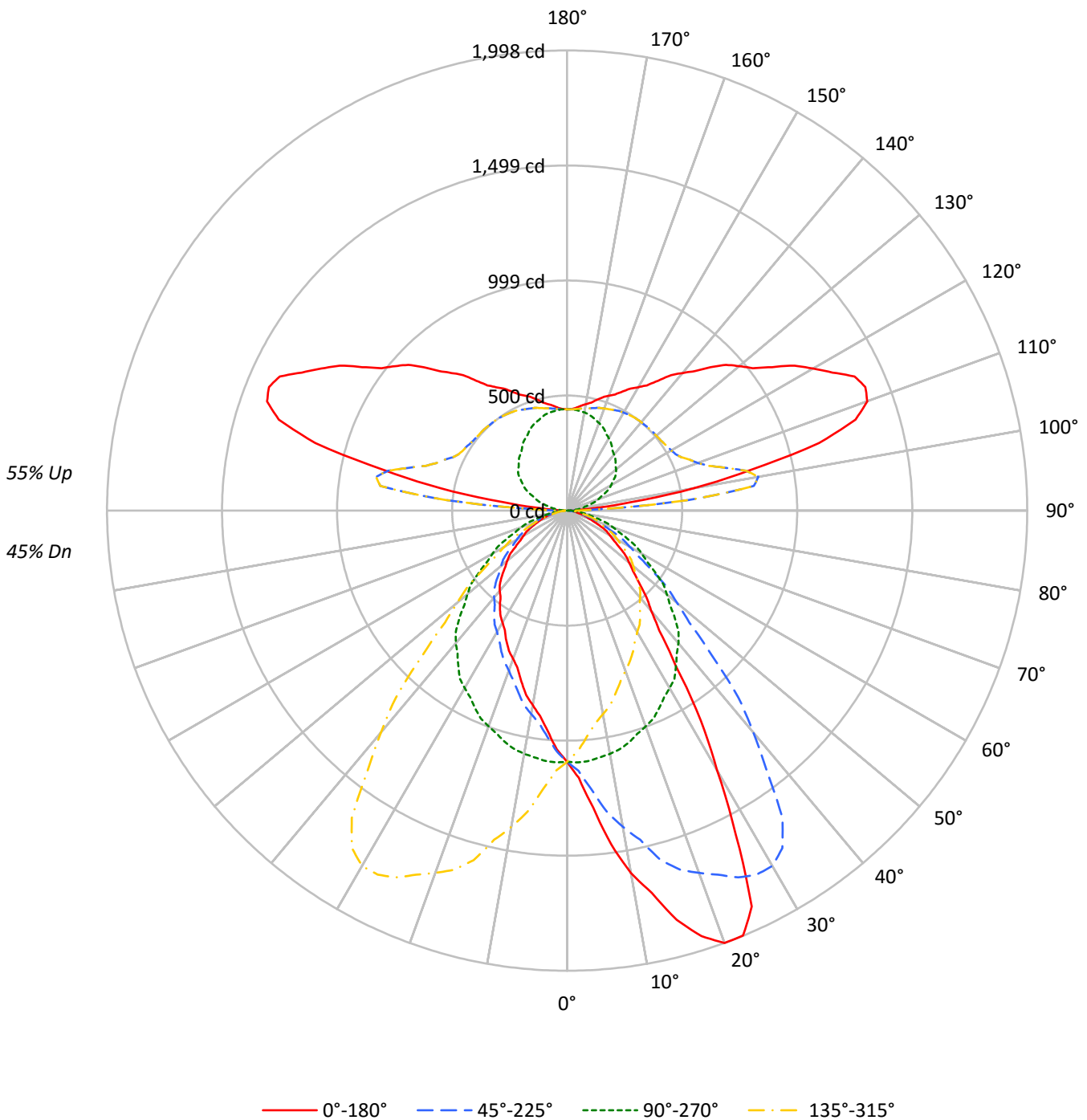
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	93	89	86	89	86	82	80	71	69	67	58	57	56	46	45	45	39
2	89	82	76	71	81	75	70	66	63	60	56	52	49	47	41	40	38	34
3	81	72	65	60	74	67	61	56	56	52	48	46	43	41	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29	25
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	30	28	26	22
6	63	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23	20
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	26	23	20	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	20	22	19	17	15
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

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	1.8
10°-20°	335.1	5.6
20°-30°	526.4	8.7
30°-40°	549.2	9.1
40°-50°	470.0	7.8
50°-60°	358.2	5.9
60°-70°	229.6	3.8
70°-80°	110.5	1.8
80°-90°	32.6	0.5
90°-100°	244.7	4.1
100°-110°	692.9	11.5
110°-120°	681.6	11.3
120°-130°	543.7	9.0
130°-140°	428.7	7.1
140°-150°	319.9	5.3
150°-160°	223.0	3.7
160°-170°	131.0	2.2
170°-180°	42.6	0.7
0°-30°	968.7	16.1
0°-40°	1517.9	25.2
0°-60°	2346.1	38.9
0°-90°	2718.8	45.1
90°-120°	1619.2	26.9
90°-150°	2911.5	48.3
90°-180°	3308.0	54.9
0°-180°	6026.9	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°	26	2	26	2	26	14
95°	103	30	103	30	103	186
105°	1132	103	1132	103	1132	1117
115°	1377	182	1377	182	1377	1338
125°	1086	254	1086	254	1086	984
135°	880	297	880	297	880	683
145°	688	339	688	339	688	438
155°	570	385	570	385	570	266
165°	498	421	498	421	498	142
175°	448	439	448	439	448	43
180°	440	440	440	440	440	



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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°	8.9	9.8	8.9	9.1	9.3	9.3	9.1	8.9	9.5	9.3	9.2
90°	25.8	26.7	25.8	24.9	25.8	24.1	23.2	22.3	21.4	22.3	19.6
92.5°	42.9	44.5	43.6	46.3	47.9	52.5	59.5	74.9	103.3	136.9	150.6
95°	103.3	106.8	113.1	121.1	137.9	170.0	217.2	320.4	428.1	527.8	469.9
97.5°	281.1	288.7	312.8	352.8	418.5	525.0	639.8	798.8	875.1	818.0	598.9
100°	558.1	557.2	591.9	656.9	746.8	873.2	977.3	1049.5	1018.2	842.9	569.6
102.5°	818.7	839.2	868.2	919.6	989.6	1069.7	1130.4	1132.7	1025.4	796.7	526.9
105°	1132.2	1136.7	1165.1	1198.9	1239.9	1263.0	1246.2	1157.1	971.1	715.6	474.4
107.5°	1312.7	1320.9	1330.5	1341.9	1341.2	1309.5	1231.5	1087.0	876.0	644.1	441.0
110°	1386.8	1388.6	1390.4	1383.2	1358.3	1295.9	1183.8	1020.0	816.2	603.5	428.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1401.7	1401.3	1394.5	1372.5	1327.0	1246.8	1121.1	953.8	764.2	576.4	421.0
115°	1377.0	1372.5	1354.7	1315.5	1248.8	1151.7	1020.9	866.0	701.4	547.4	418.3
117.5°	1298.2	1292.3	1266.6	1221.7	1152.1	1053.6	936.2	802.5	663.4	530.3	419.9
120°	1232.8	1227.4	1206.0	1156.2	1085.9	996.0	889.2	769.0	643.5	522.5	422.8
122.5°	1171.5	1164.8	1141.3	1096.4	1033.9	950.5	851.5	742.7	627.1	517.5	427.8
125°	1085.9	1079.7	1057.4	1018.2	961.3	890.1	804.7	707.7	606.2	511.0	435.2
127.5°	1015.4	1009.7	989.6	956.1	905.4	840.6	763.5	677.0	587.6	507.7	443.8
130°	975.5	968.4	949.8	917.7	870.5	809.9	737.9	657.8	577.7	505.6	449.5
132.5°	936.4	931.4	914.8	882.8	838.5	780.8	713.6	640.0	568.4	504.9	453.8
135°	880.3	874.1	858.0	831.3	787.7	737.0	679.1	615.9	556.3	503.8	460.2
137.5°	821.0	816.9	803.4	776.3	739.7	695.7	645.9	594.1	545.8	501.9	464.4
140°	779.7	780.6	766.3	741.5	707.7	669.3	626.6	581.2	539.4	501.1	467.3
142.5°	741.3	742.2	729.3	707.3	678.4	645.2	608.1	569.1	533.7	499.7	469.4
145°	688.0	686.3	679.1	660.4	638.2	612.3	583.9	554.6	526.0	497.6	470.8
147.5°	644.3	643.5	636.8	624.1	607.3	588.9	565.9	542.6	518.5	494.2	470.8
150°	618.6	618.6	613.2	603.5	590.1	573.2	554.6	534.0	513.5	491.3	470.8
152.5°	597.3	597.3	594.1	585.0	574.4	560.4	543.9	526.2	507.9	487.8	468.7
155°	570.5	569.6	567.8	560.8	552.8	542.1	528.7	514.4	499.4	481.5	466.4
157.5°	546.2	546.4	544.9	539.6	532.6	524.2	513.9	502.0	489.7	476.0	463.4
160°	530.5	531.4	531.4	526.0	519.8	513.5	504.7	494.9	483.3	471.7	462.0
162.5°	516.2	517.1	517.1	512.6	508.5	502.9	494.7	486.3	476.9	467.4	459.1
165°	497.6	497.6	498.5	494.9	491.3	486.9	480.6	475.3	468.1	461.1	454.9
167.5°	479.7	479.7	480.6	478.1	476.5	473.3	469.8	465.7	459.9	454.7	450.6
170°	469.0	469.0	469.9	468.1	467.3	465.5	462.0	459.3	454.9	450.4	447.7
172.5°	459.1	459.9	461.5	459.7	459.5	458.4	455.6	453.6	449.9	446.8	445.6
175°	447.7	448.6	449.5	448.6	448.6	448.6	446.8	445.9	444.2	442.4	442.4
177.5°	441.1	441.1	442.6	441.8	442.6	442.6	441.8	441.1	440.4	439.7	440.4
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



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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°	9.4	8.5	8.6	8.3	9.1	8.9	10.8	12.3	13.0	11.9	12.4
90°	16.9	14.3	11.6	9.8	8.0	5.4	3.6	1.8	3.6	5.4	8.0
92.5°	113.1	74.7	51.5	38.3	30.8	23.9	16.4	11.1	16.4	23.9	30.8
95°	324.0	191.4	115.7	81.0	57.9	42.7	32.9	30.2	32.9	42.7	57.9
97.5°	355.5	206.0	133.7	96.1	73.3	60.2	52.5	51.6	52.5	60.2	73.3
100°	335.6	203.8	141.5	106.8	85.4	73.0	66.8	65.9	66.8	73.0	85.4
102.5°	318.4	206.7	150.8	119.0	99.7	87.9	82.4	80.8	82.4	87.9	99.7
105°	306.2	214.5	166.5	138.8	122.0	111.3	105.9	103.3	105.9	111.3	122.0
107.5°	305.3	229.1	186.9	161.3	145.4	134.9	129.7	127.1	129.7	134.9	145.4
110°	308.9	241.2	201.2	176.2	161.1	151.3	146.9	144.2	146.9	151.3	161.1



TEST NUMBER: P332320-940

CATALOG NUMBER: S123RDIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.0	253.3	216.2	191.9	176.7	167.0	162.6	159.9	162.6	167.0	176.7
115°	327.5	273.2	239.4	215.4	200.3	191.4	186.0	182.4	186.0	191.4	200.3
117.5°	342.9	294.4	261.0	238.7	221.8	213.7	209.2	205.1	209.2	213.7	221.8
120°	354.3	308.0	275.9	253.7	236.7	227.8	223.4	220.7	223.4	227.8	236.7
122.5°	365.0	322.2	290.9	267.2	251.0	241.4	236.9	234.3	236.9	241.4	251.0
125°	381.8	342.7	311.6	287.5	270.5	260.8	255.5	253.7	255.5	260.8	270.5
127.5°	395.7	360.5	330.4	306.4	287.7	277.7	271.1	268.5	271.1	277.7	287.7
130°	405.0	371.1	341.8	317.7	299.1	288.4	280.4	277.7	280.4	288.4	299.1
132.5°	413.6	380.4	351.8	328.4	309.8	296.9	288.2	284.8	288.2	296.9	309.8
135°	424.5	394.3	366.7	342.7	324.0	310.7	300.9	297.3	300.9	310.7	324.0
137.5°	432.7	403.9	377.4	355.2	336.6	322.4	312.8	309.1	312.8	322.4	336.6
140°	437.0	410.4	384.5	362.3	344.5	330.2	321.3	316.9	321.3	330.2	344.5
142.5°	441.3	415.4	390.2	369.3	351.6	338.8	329.1	325.4	329.1	338.8	351.6
145°	445.9	421.9	398.8	378.3	363.2	349.8	341.8	339.1	341.8	349.8	363.2
147.5°	448.8	427.2	406.1	388.6	374.0	362.5	354.6	353.0	354.6	362.5	374.0
150°	449.5	430.8	410.4	394.3	381.8	370.2	363.2	362.3	363.2	370.2	381.8
152.5°	450.9	432.9	415.4	400.0	389.0	378.8	371.7	371.5	371.7	378.8	389.0
155°	451.3	437.0	421.9	409.5	399.7	390.7	385.4	385.4	385.4	390.7	399.7
157.5°	452.2	439.3	427.2	417.6	409.3	401.4	397.2	396.5	397.2	401.4	409.3
160°	452.2	441.5	430.8	421.9	415.6	408.6	405.0	405.0	405.0	408.6	415.6
162.5°	451.5	442.2	432.9	425.4	419.9	414.3	411.4	411.4	411.4	414.3	419.9
165°	449.5	443.3	436.1	429.9	426.3	421.9	420.1	421.0	420.1	421.9	426.3
167.5°	448.1	443.1	437.9	434.0	431.5	428.1	427.2	428.3	427.2	428.1	431.5
170°	445.9	442.4	437.9	436.1	434.4	431.7	430.8	432.6	430.8	431.7	434.4
172.5°	445.2	442.4	438.6	437.6	436.5	434.5	434.4	435.4	434.4	434.5	436.5
175°	443.3	441.5	439.7	438.8	438.8	437.0	437.9	438.8	437.9	437.0	438.8
177.5°	441.8	440.4	439.7	439.7	439.7	439.0	439.7	440.4	439.7	439.0	439.7
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P332320-940

CATALOG NUMBER: S123RDIP-S775D1025U940-4F0-1E-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°	12.4	13.9	14.8	15.7	16.6	16.8	16.9	17.1	17.7	17.8	18.2
90°	9.8	11.6	14.3	16.9	19.6	22.3	21.4	22.3	23.2	24.1	25.8
92.5°	38.3	51.5	74.7	113.1	150.6	136.9	103.3	74.9	59.5	52.5	47.9
95°	81.0	115.7	191.4	324.0	469.9	527.8	428.1	320.4	217.2	170.0	137.9
97.5°	96.1	133.7	206.0	355.5	598.9	818.0	875.1	798.8	639.8	525.0	418.5
100°	106.8	141.5	203.8	335.6	569.6	842.9	1018.2	1049.5	977.3	873.2	746.8
102.5°	119.0	150.8	206.7	318.4	526.9	796.7	1025.4	1132.7	1130.4	1069.7	989.6
105°	138.8	166.5	214.5	306.2	474.4	715.6	971.1	1157.1	1246.2	1263.0	1239.9
107.5°	161.3	186.9	229.1	305.3	441.0	644.1	876.0	1087.0	1231.5	1309.5	1341.2
110°	176.2	201.2	241.2	308.9	428.1	603.5	816.2	1020.0	1183.8	1295.9	1358.3



TEST NUMBER: P332320-940

CATALOG NUMBER: S123RDIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	191.9	216.2	253.3	316.0	421.0	576.4	764.2	953.8	1121.1	1246.8	1327.0
115°	215.4	239.4	273.2	327.5	418.3	547.4	701.4	866.0	1020.9	1151.7	1248.8
117.5°	238.7	261.0	294.4	342.9	419.9	530.3	663.4	802.5	936.2	1053.6	1152.1
120°	253.7	275.9	308.0	354.3	422.8	522.5	643.5	769.0	889.2	996.0	1085.9
122.5°	267.2	290.9	322.2	365.0	427.8	517.5	627.1	742.7	851.5	950.5	1033.9
125°	287.5	311.6	342.7	381.8	435.2	511.0	606.2	707.7	804.7	890.1	961.3
127.5°	306.4	330.4	360.5	395.7	443.8	507.7	587.6	677.0	763.5	840.6	905.4
130°	317.7	341.8	371.1	405.0	449.5	505.6	577.7	657.8	737.9	809.9	870.5
132.5°	328.4	351.8	380.4	413.6	453.8	504.9	568.4	640.0	713.6	780.8	838.5
135°	342.7	366.7	394.3	424.5	460.2	503.8	556.3	615.9	679.1	737.0	787.7
137.5°	355.2	377.4	403.9	432.7	464.4	501.9	545.8	594.1	645.9	695.7	739.7
140°	362.3	384.5	410.4	437.0	467.3	501.1	539.4	581.2	626.6	669.3	707.7
142.5°	369.3	390.2	415.4	441.3	469.4	499.7	533.7	569.1	608.1	645.2	678.4
145°	378.3	398.8	421.9	445.9	470.8	497.6	526.0	554.6	583.9	612.3	638.2
147.5°	388.6	406.1	427.2	448.8	470.8	494.2	518.5	542.6	565.9	588.9	607.3
150°	394.3	410.4	430.8	449.5	470.8	491.3	513.5	534.0	554.6	573.2	590.1
152.5°	400.0	415.4	432.9	450.9	468.7	487.8	507.9	526.2	543.9	560.4	574.4
155°	409.5	421.9	437.0	451.3	466.4	481.5	499.4	514.4	528.7	542.1	552.8
157.5°	417.6	427.2	439.3	452.2	463.4	476.0	489.7	502.0	513.9	524.2	532.6
160°	421.9	430.8	441.5	452.2	462.0	471.7	483.3	494.9	504.7	513.5	519.8
162.5°	425.4	432.9	442.2	451.5	459.1	467.4	476.9	486.3	494.7	502.9	508.5
165°	429.9	436.1	443.3	449.5	454.9	461.1	468.1	475.3	480.6	486.9	491.3
167.5°	434.0	437.9	443.1	448.1	450.6	454.7	459.9	465.7	469.8	473.3	476.5
170°	436.1	437.9	442.4	445.9	447.7	450.4	454.9	459.3	462.0	465.5	467.3
172.5°	437.6	438.6	442.4	445.2	445.6	446.8	449.9	453.6	455.6	458.4	459.5
175°	438.8	439.7	441.5	443.3	442.4	442.4	444.2	445.9	446.8	448.6	448.6
177.5°	439.7	439.7	440.4	441.8	440.4	439.7	440.4	441.1	441.8	442.6	442.6
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P332320-940

CATALOG NUMBER: S123RDIP-S775D1025U940-4F0-1E-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°	18.8	18.2	18.4	18.6	18.4	18.2	18.8	18.2	17.8	17.7	17.1
90°	24.9	25.8	26.7	25.8	26.7	25.8	24.9	25.8	24.1	23.2	22.3
92.5°	46.3	43.6	44.5	42.9	44.5	43.6	46.3	47.9	52.5	59.5	74.9
95°	121.1	113.1	106.8	103.3	106.8	113.1	121.1	137.9	170.0	217.2	320.4
97.5°	352.8	312.8	288.7	281.1	288.7	312.8	352.8	418.5	525.0	639.8	798.8
100°	656.9	591.9	557.2	558.1	557.2	591.9	656.9	746.8	873.2	977.3	1049.5
102.5°	919.6	868.2	839.2	818.7	839.2	868.2	919.6	989.6	1069.7	1130.4	1132.7
105°	1198.9	1165.1	1136.7	1132.2	1136.7	1165.1	1198.9	1239.9	1263.0	1246.2	1157.1
107.5°	1341.9	1330.5	1320.9	1312.7	1320.9	1330.5	1341.9	1341.2	1309.5	1231.5	1087.0
110°	1383.2	1390.4	1388.6	1386.8	1388.6	1390.4	1383.2	1358.3	1295.9	1183.8	1020.0



TEST NUMBER: P332320-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1372.5	1394.5	1401.3	1401.7	1401.3	1394.5	1372.5	1327.0	1246.8	1121.1	953.8
115°	1315.5	1354.7	1372.5	1377.0	1372.5	1354.7	1315.5	1248.8	1151.7	1020.9	866.0
117.5°	1221.7	1266.6	1292.3	1298.2	1292.3	1266.6	1221.7	1152.1	1053.6	936.2	802.5
120°	1156.2	1206.0	1227.4	1232.8	1227.4	1206.0	1156.2	1085.9	996.0	889.2	769.0
122.5°	1096.4	1141.3	1164.8	1171.5	1164.8	1141.3	1096.4	1033.9	950.5	851.5	742.7
125°	1018.2	1057.4	1079.7	1085.9	1079.7	1057.4	1018.2	961.3	890.1	804.7	707.7
127.5°	956.1	989.6	1009.7	1015.4	1009.7	989.6	956.1	905.4	840.6	763.5	677.0
130°	917.7	949.8	968.4	975.5	968.4	949.8	917.7	870.5	809.9	737.9	657.8
132.5°	882.8	914.8	931.4	936.4	931.4	914.8	882.8	838.5	780.8	713.6	640.0
135°	831.3	858.0	874.1	880.3	874.1	858.0	831.3	787.7	737.0	679.1	615.9
137.5°	776.3	803.4	816.9	821.0	816.9	803.4	776.3	739.7	695.7	645.9	594.1
140°	741.5	766.3	780.6	779.7	780.6	766.3	741.5	707.7	669.3	626.6	581.2
142.5°	707.3	729.3	742.2	741.3	742.2	729.3	707.3	678.4	645.2	608.1	569.1
145°	660.4	679.1	686.3	688.0	686.3	679.1	660.4	638.2	612.3	583.9	554.6
147.5°	624.1	636.8	643.5	644.3	643.5	636.8	624.1	607.3	588.9	565.9	542.6
150°	603.5	613.2	618.6	618.6	618.6	613.2	603.5	590.1	573.2	554.6	534.0
152.5°	585.0	594.1	597.3	597.3	597.3	594.1	585.0	574.4	560.4	543.9	526.2
155°	560.8	567.8	569.6	570.5	569.6	567.8	560.8	552.8	542.1	528.7	514.4
157.5°	539.6	544.9	546.4	546.2	546.4	544.9	539.6	532.6	524.2	513.9	502.0
160°	526.0	531.4	531.4	530.5	531.4	531.4	526.0	519.8	513.5	504.7	494.9
162.5°	512.6	517.1	517.1	516.2	517.1	517.1	512.6	508.5	502.9	494.7	486.3
165°	494.9	498.5	497.6	497.6	497.6	498.5	494.9	491.3	486.9	480.6	475.3
167.5°	478.1	480.6	479.7	479.7	479.7	480.6	478.1	476.5	473.3	469.8	465.7
170°	468.1	469.9	469.0	469.0	469.0	469.9	468.1	467.3	465.5	462.0	459.3
172.5°	459.7	461.5	459.9	459.1	459.9	461.5	459.7	459.5	458.4	455.6	453.6
175°	448.6	449.5	448.6	447.7	448.6	449.5	448.6	448.6	448.6	446.8	445.9
177.5°	441.8	442.6	441.1	441.1	441.1	442.6	441.8	442.6	442.6	441.8	441.1
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P332320-940

CATALOG NUMBER: S123RDIP-S775D1025U940-4F0-1E-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°	16.9	16.8	16.6	15.7	14.8	13.9	12.4	12.4	11.9	13.0	12.3
90°	21.4	22.3	19.6	16.9	14.3	11.6	9.8	8.0	5.4	3.6	1.8
92.5°	103.3	136.9	150.6	113.1	74.7	51.5	38.3	30.8	23.9	16.4	11.1
95°	428.1	527.8	469.9	324.0	191.4	115.7	81.0	57.9	42.7	32.9	30.2
97.5°	875.1	818.0	598.9	355.5	206.0	133.7	96.1	73.3	60.2	52.5	51.6
100°	1018.2	842.9	569.6	335.6	203.8	141.5	106.8	85.4	73.0	66.8	65.9
102.5°	1025.4	796.7	526.9	318.4	206.7	150.8	119.0	99.7	87.9	82.4	80.8
105°	971.1	715.6	474.4	306.2	214.5	166.5	138.8	122.0	111.3	105.9	103.3
107.5°	876.0	644.1	441.0	305.3	229.1	186.9	161.3	145.4	134.9	129.7	127.1
110°	816.2	603.5	428.1	308.9	241.2	201.2	176.2	161.1	151.3	146.9	144.2



TEST NUMBER: P332320-940

CATALOG NUMBER: S123RDIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	764.2	576.4	421.0	316.0	253.3	216.2	191.9	176.7	167.0	162.6	159.9
115°	701.4	547.4	418.3	327.5	273.2	239.4	215.4	200.3	191.4	186.0	182.4
117.5°	663.4	530.3	419.9	342.9	294.4	261.0	238.7	221.8	213.7	209.2	205.1
120°	643.5	522.5	422.8	354.3	308.0	275.9	253.7	236.7	227.8	223.4	220.7
122.5°	627.1	517.5	427.8	365.0	322.2	290.9	267.2	251.0	241.4	236.9	234.3
125°	606.2	511.0	435.2	381.8	342.7	311.6	287.5	270.5	260.8	255.5	253.7
127.5°	587.6	507.7	443.8	395.7	360.5	330.4	306.4	287.7	277.7	271.1	268.5
130°	577.7	505.6	449.5	405.0	371.1	341.8	317.7	299.1	288.4	280.4	277.7
132.5°	568.4	504.9	453.8	413.6	380.4	351.8	328.4	309.8	296.9	288.2	284.8
135°	556.3	503.8	460.2	424.5	394.3	366.7	342.7	324.0	310.7	300.9	297.3
137.5°	545.8	501.9	464.4	432.7	403.9	377.4	355.2	336.6	322.4	312.8	309.1
140°	539.4	501.1	467.3	437.0	410.4	384.5	362.3	344.5	330.2	321.3	316.9
142.5°	533.7	499.7	469.4	441.3	415.4	390.2	369.3	351.6	338.8	329.1	325.4
145°	526.0	497.6	470.8	445.9	421.9	398.8	378.3	363.2	349.8	341.8	339.1
147.5°	518.5	494.2	470.8	448.8	427.2	406.1	388.6	374.0	362.5	354.6	353.0
150°	513.5	491.3	470.8	449.5	430.8	410.4	394.3	381.8	370.2	363.2	362.3
152.5°	507.9	487.8	468.7	450.9	432.9	415.4	400.0	389.0	378.8	371.7	371.5
155°	499.4	481.5	466.4	451.3	437.0	421.9	409.5	399.7	390.7	385.4	385.4
157.5°	489.7	476.0	463.4	452.2	439.3	427.2	417.6	409.3	401.4	397.2	396.5
160°	483.3	471.7	462.0	452.2	441.5	430.8	421.9	415.6	408.6	405.0	405.0
162.5°	476.9	467.4	459.1	451.5	442.2	432.9	425.4	419.9	414.3	411.4	411.4
165°	468.1	461.1	454.9	449.5	443.3	436.1	429.9	426.3	421.9	420.1	421.0
167.5°	459.9	454.7	450.6	448.1	443.1	437.9	434.0	431.5	428.1	427.2	428.3
170°	454.9	450.4	447.7	445.9	442.4	437.9	436.1	434.4	431.7	430.8	432.6
172.5°	449.9	446.8	445.6	445.2	442.4	438.6	437.6	436.5	434.5	434.4	435.4
175°	444.2	442.4	442.4	443.3	441.5	439.7	438.8	438.8	437.0	437.9	438.8
177.5°	440.4	439.7	440.4	441.8	440.4	439.7	439.7	439.7	439.0	439.7	440.4
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P332320-940

CATALOG NUMBER: S123RDIP-S775D1025U940-4F0-1E-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°	10.8	8.9	9.1	8.3	8.6	8.5	9.4	9.2	9.3	9.5	8.9
90°	3.6	5.4	8.0	9.8	11.6	14.3	16.9	19.6	22.3	21.4	22.3
92.5°	16.4	23.9	30.8	38.3	51.5	74.7	113.1	150.6	136.9	103.3	74.9
95°	32.9	42.7	57.9	81.0	115.7	191.4	324.0	469.9	527.8	428.1	320.4
97.5°	52.5	60.2	73.3	96.1	133.7	206.0	355.5	598.9	818.0	875.1	798.8
100°	66.8	73.0	85.4	106.8	141.5	203.8	335.6	569.6	842.9	1018.2	1049.5
102.5°	82.4	87.9	99.7	119.0	150.8	206.7	318.4	526.9	796.7	1025.4	1132.7
105°	105.9	111.3	122.0	138.8	166.5	214.5	306.2	474.4	715.6	971.1	1157.1
107.5°	129.7	134.9	145.4	161.3	186.9	229.1	305.3	441.0	644.1	876.0	1087.0
110°	146.9	151.3	161.1	176.2	201.2	241.2	308.9	428.1	603.5	816.2	1020.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	162.6	167.0	176.7	191.9	216.2	253.3	316.0	421.0	576.4	764.2	953.8
115°	186.0	191.4	200.3	215.4	239.4	273.2	327.5	418.3	547.4	701.4	866.0
117.5°	209.2	213.7	221.8	238.7	261.0	294.4	342.9	419.9	530.3	663.4	802.5
120°	223.4	227.8	236.7	253.7	275.9	308.0	354.3	422.8	522.5	643.5	769.0
122.5°	236.9	241.4	251.0	267.2	290.9	322.2	365.0	427.8	517.5	627.1	742.7
125°	255.5	260.8	270.5	287.5	311.6	342.7	381.8	435.2	511.0	606.2	707.7
127.5°	271.1	277.7	287.7	306.4	330.4	360.5	395.7	443.8	507.7	587.6	677.0
130°	280.4	288.4	299.1	317.7	341.8	371.1	405.0	449.5	505.6	577.7	657.8
132.5°	288.2	296.9	309.8	328.4	351.8	380.4	413.6	453.8	504.9	568.4	640.0
135°	300.9	310.7	324.0	342.7	366.7	394.3	424.5	460.2	503.8	556.3	615.9
137.5°	312.8	322.4	336.6	355.2	377.4	403.9	432.7	464.4	501.9	545.8	594.1
140°	321.3	330.2	344.5	362.3	384.5	410.4	437.0	467.3	501.1	539.4	581.2
142.5°	329.1	338.8	351.6	369.3	390.2	415.4	441.3	469.4	499.7	533.7	569.1
145°	341.8	349.8	363.2	378.3	398.8	421.9	445.9	470.8	497.6	526.0	554.6
147.5°	354.6	362.5	374.0	388.6	406.1	427.2	448.8	470.8	494.2	518.5	542.6
150°	363.2	370.2	381.8	394.3	410.4	430.8	449.5	470.8	491.3	513.5	534.0
152.5°	371.7	378.8	389.0	400.0	415.4	432.9	450.9	468.7	487.8	507.9	526.2
155°	385.4	390.7	399.7	409.5	421.9	437.0	451.3	466.4	481.5	499.4	514.4
157.5°	397.2	401.4	409.3	417.6	427.2	439.3	452.2	463.4	476.0	489.7	502.0
160°	405.0	408.6	415.6	421.9	430.8	441.5	452.2	462.0	471.7	483.3	494.9
162.5°	411.4	414.3	419.9	425.4	432.9	442.2	451.5	459.1	467.4	476.9	486.3
165°	420.1	421.9	426.3	429.9	436.1	443.3	449.5	454.9	461.1	468.1	475.3
167.5°	427.2	428.1	431.5	434.0	437.9	443.1	448.1	450.6	454.7	459.9	465.7
170°	430.8	431.7	434.4	436.1	437.9	442.4	445.9	447.7	450.4	454.9	459.3
172.5°	434.4	434.5	436.5	437.6	438.6	442.4	445.2	445.6	446.8	449.9	453.6
175°	437.9	437.0	438.8	438.8	439.7	441.5	443.3	442.4	442.4	444.2	445.9
177.5°	439.7	439.0	439.7	439.7	439.7	440.4	441.8	440.4	439.7	440.4	441.1
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



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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°	9.1	9.3	9.3	9.1	8.9	9.8	8.9
90°	23.2	24.1	25.8	24.9	25.8	26.7	25.8
92.5°	59.5	52.5	47.9	46.3	43.6	44.5	42.9
95°	217.2	170.0	137.9	121.1	113.1	106.8	103.3
97.5°	639.8	525.0	418.5	352.8	312.8	288.7	281.1
100°	977.3	873.2	746.8	656.9	591.9	557.2	558.1
102.5°	1130.4	1069.7	989.6	919.6	868.2	839.2	818.7
105°	1246.2	1263.0	1239.9	1198.9	1165.1	1136.7	1132.2
107.5°	1231.5	1309.5	1341.2	1341.9	1330.5	1320.9	1312.7
110°	1183.8	1295.9	1358.3	1383.2	1390.4	1388.6	1386.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1121.1	1246.8	1327.0	1372.5	1394.5	1401.3	1401.7
115°	1020.9	1151.7	1248.8	1315.5	1354.7	1372.5	1377.0
117.5°	936.2	1053.6	1152.1	1221.7	1266.6	1292.3	1298.2
120°	889.2	996.0	1085.9	1156.2	1206.0	1227.4	1232.8
122.5°	851.5	950.5	1033.9	1096.4	1141.3	1164.8	1171.5
125°	804.7	890.1	961.3	1018.2	1057.4	1079.7	1085.9
127.5°	763.5	840.6	905.4	956.1	989.6	1009.7	1015.4
130°	737.9	809.9	870.5	917.7	949.8	968.4	975.5
132.5°	713.6	780.8	838.5	882.8	914.8	931.4	936.4
135°	679.1	737.0	787.7	831.3	858.0	874.1	880.3
137.5°	645.9	695.7	739.7	776.3	803.4	816.9	821.0
140°	626.6	669.3	707.7	741.5	766.3	780.6	779.7
142.5°	608.1	645.2	678.4	707.3	729.3	742.2	741.3
145°	583.9	612.3	638.2	660.4	679.1	686.3	688.0
147.5°	565.9	588.9	607.3	624.1	636.8	643.5	644.3
150°	554.6	573.2	590.1	603.5	613.2	618.6	618.6
152.5°	543.9	560.4	574.4	585.0	594.1	597.3	597.3
155°	528.7	542.1	552.8	560.8	567.8	569.6	570.5
157.5°	513.9	524.2	532.6	539.6	544.9	546.4	546.2
160°	504.7	513.5	519.8	526.0	531.4	531.4	530.5
162.5°	494.7	502.9	508.5	512.6	517.1	517.1	516.2
165°	480.6	486.9	491.3	494.9	498.5	497.6	497.6
167.5°	469.8	473.3	476.5	478.1	480.6	479.7	479.7
170°	462.0	465.5	467.3	468.1	469.9	469.0	469.0
172.5°	455.6	458.4	459.5	459.7	461.5	459.9	459.1
175°	446.8	448.6	448.6	448.6	449.5	448.6	447.7
177.5°	441.8	442.6	442.6	441.8	442.6	441.1	441.1
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7

(END OF REPORT)