

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: P332312-930

Luminaire Tested: **S123RDIP-S775D805U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332312-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D805U930-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5101.4 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

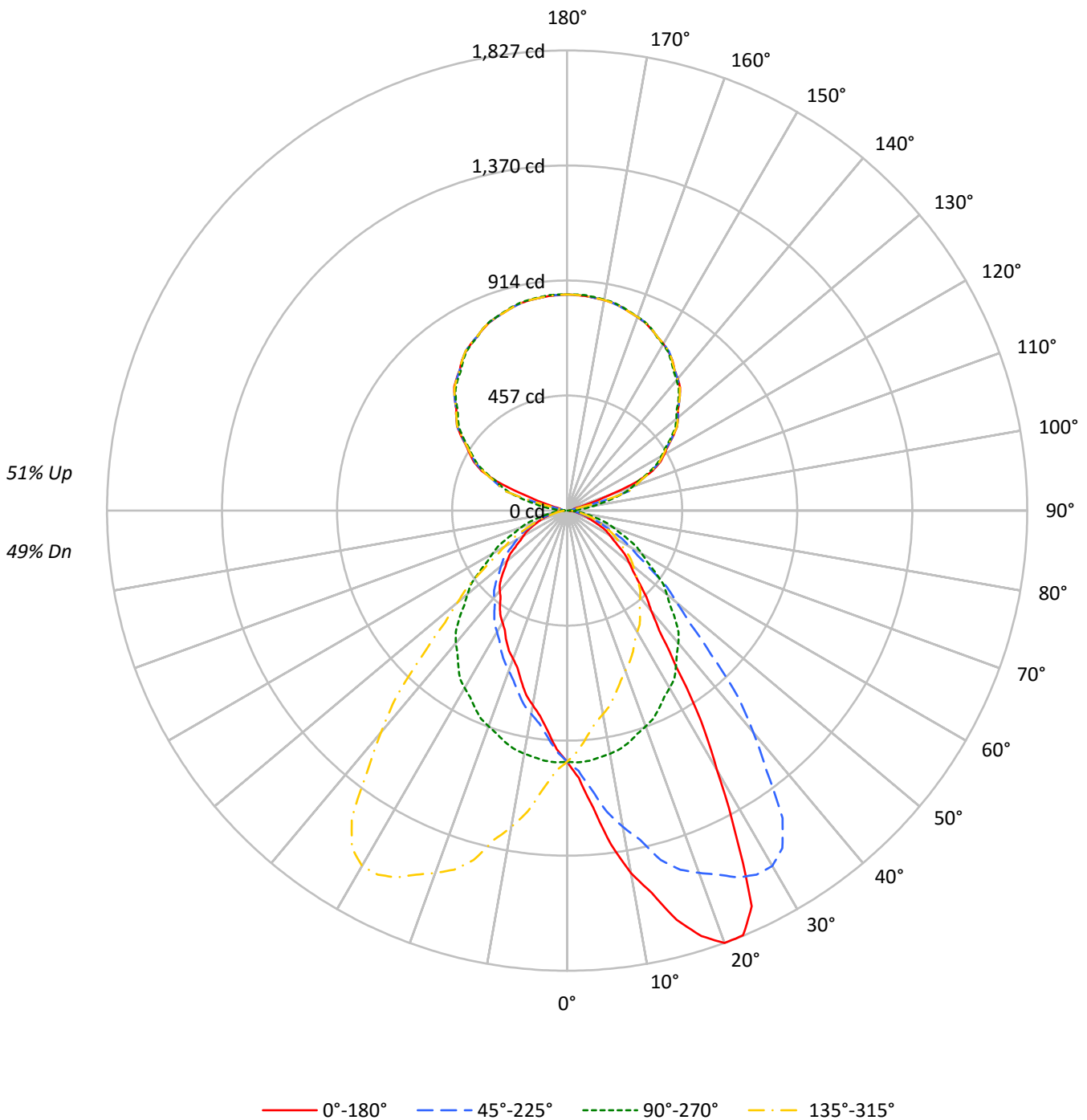
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	98	94	90	87	90	87	84	81	73	71	69	61	59	58	49	48	47	42
2	90	83	77	72	83	77	71	67	65	61	58	54	52	49	44	42	41	36
3	82	73	66	61	76	68	62	57	58	53	49	48	45	42	40	37	35	31
4	75	65	58	52	69	60	54	49	52	47	43	43	40	37	36	33	31	27
5	69	58	50	45	64	54	47	42	46	41	37	39	35	32	32	30	27	24
6	64	52	45	39	59	49	42	37	42	37	33	36	32	28	30	27	24	21
7	59	47	40	34	55	44	37	33	38	33	29	33	28	25	27	24	22	19
8	55	43	36	31	51	40	34	29	35	30	26	30	26	23	25	22	20	17
9	51	40	32	27	47	37	30	26	32	27	23	28	23	20	23	20	18	16
10	48	36	29	25	44	34	28	23	30	25	21	25	21	19	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10733	10733	10733	10733
5°	12794	10778	9492	10778
10°	15974	10717	8576	10717
15°	18750	10608	7819	10608
20°	20927	10443	7178	10443
25°	20593	10271	6783	10271
30°	14802	10112	6377	10112
35°	9883	9905	6114	9905
40°	7281	9656	5841	9656
45°	6107	9220	5574	9220
50°	5390	8649	5203	8649
55°	4725	7994	4693	7994
60°	4209	7369	4299	7369
65°	3696	6696	4001	6696
70°	2902	6099	3654	6099
75°	2558	5327	3335	5327
80°	2225	4525	3279	4525
85°	1791	3631	3483	3631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.9
10°-20°	306.3	6.0
20°-30°	481.3	9.4
30°-40°	502.1	9.8
40°-50°	429.7	8.4
50°-60°	327.5	6.4
60°-70°	209.9	4.1
70°-80°	101.0	2.0
80°-90°	29.1	0.6
90°-100°	31.2	0.6
100°-110°	148.7	2.9
110°-120°	357.1	7.0
120°-130°	454.7	8.9
130°-140°	485.8	9.5
140°-150°	454.3	8.9
150°-160°	366.5	7.2
160°-170°	236.5	4.6
170°-180°	81.5	1.6
0°-30°	885.7	17.4
0°-40°	1387.8	27.2
0°-60°	2145.0	42.0
0°-90°	2485.1	48.7
90°-120°	536.9	10.5
90°-150°	1931.8	37.9
90°-180°	2616.0	51.3
0°-180°	5101.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1184	998	878	998	1184	122
15°	1683	952	702	952	1683	477
25°	1734	865	571	865	1734	745
35°	752	754	465	754	752	493
45°	401	606	366	606	401	315
55°	252	426	250	426	252	228
65°	145	263	157	263	145	143
75°	62	128	80	128	62	66
85°	14	29	28	29	14	17
90°	19	1	19	1	19	9
95°	24	39	24	39	24	20
105°	28	190	28	190	28	64
115°	375	356	375	356	375	346
125°	512	502	512	502	512	458
135°	632	625	632	625	632	487
145°	729	722	729	722	729	455
155°	794	795	794	795	794	366
165°	836	838	836	838	836	236
175°	855	858	855	858	855	81
180°	858	858	858	858	858	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1062.0	1063.4	1058.9	1058.3	1053.1	1051.7	1051.7	1044.6	1040.2	1034.4	1030.9
5°	1184.1	1190.9	1187.5	1179.8	1167.0	1164.0	1155.9	1143.1	1128.6	1110.7	1102.1
7.5°	1336.5	1345.9	1342.3	1330.4	1317.0	1306.2	1283.3	1262.0	1232.2	1206.1	1183.7
10°	1461.5	1451.7	1444.1	1432.5	1420.2	1400.0	1376.1	1343.3	1305.3	1275.5	1242.1
12.5°	1555.1	1553.5	1543.8	1531.9	1514.4	1495.3	1466.0	1426.0	1381.8	1338.6	1300.6
15°	1682.6	1685.2	1678.8	1666.4	1641.7	1607.9	1563.6	1546.9	1483.8	1436.8	1389.8
17.5°	1770.9	1770.4	1769.5	1752.4	1727.1	1703.2	1662.0	1618.2	1561.0	1494.9	1431.6
20°	1826.9	1822.7	1823.5	1804.3	1785.5	1757.8	1717.7	1654.1	1607.1	1530.7	1465.3
22.5°	1825.5	1824.7	1828.0	1821.4	1807.7	1786.5	1754.9	1701.2	1641.3	1564.2	1490.6
25°	1733.9	1730.5	1750.5	1756.1	1777.8	1781.7	1772.3	1742.9	1686.0	1606.6	1515.7
27.5°	1451.2	1449.3	1486.5	1533.1	1592.1	1638.1	1682.5	1703.9	1686.0	1629.2	1538.1
30°	1190.9	1231.0	1249.9	1317.3	1392.4	1482.1	1560.6	1635.2	1653.6	1628.9	1554.1
32.5°	988.8	1023.8	1039.4	1097.3	1167.3	1272.4	1390.2	1495.9	1570.7	1589.6	1544.6
35°	752.1	752.5	788.4	814.0	878.9	986.8	1101.3	1243.0	1383.8	1490.5	1501.6
37.5°	600.1	602.3	623.9	649.5	698.1	755.3	856.0	973.8	1136.5	1300.3	1396.4
40°	518.2	522.0	538.3	563.5	598.4	641.6	720.1	831.1	966.8	1149.1	1298.0
42.5°	465.6	471.8	480.2	499.6	521.3	561.7	625.2	710.9	834.3	1006.7	1178.5
45°	401.2	404.6	411.1	420.0	439.7	467.8	510.5	568.1	670.6	809.3	981.3
47.5°	353.9	352.1	358.9	366.2	379.2	398.4	427.1	474.1	547.1	658.4	804.4
50°	321.9	321.4	326.1	331.7	344.1	358.2	381.6	417.0	475.1	567.3	700.9
52.5°	291.8	293.4	296.8	303.7	312.6	324.0	345.0	370.6	420.4	500.0	611.4
55°	251.8	253.2	257.8	261.6	268.1	279.6	292.9	314.1	348.3	403.8	495.5
57.5°	218.0	217.4	221.9	222.9	230.2	239.5	249.8	266.4	291.1	332.3	394.1
60°	195.5	194.2	198.0	201.1	204.9	212.5	221.1	237.3	257.0	287.2	340.2
62.5°	175.0	174.4	177.2	180.2	183.4	190.4	197.5	210.0	225.5	251.1	293.1
65°	145.1	146.4	147.7	149.0	150.7	154.9	161.8	170.3	181.0	198.9	229.2
67.5°	114.1	115.4	115.8	118.4	122.1	124.7	128.9	136.5	143.9	159.1	176.3
70°	92.2	91.8	92.2	93.5	98.2	102.9	108.4	114.0	118.6	129.3	143.8
72.5°	79.2	78.4	79.6	79.8	82.1	83.4	86.9	92.1	98.2	105.4	115.9
75°	61.5	61.5	61.5	61.5	63.2	64.0	65.3	66.6	68.7	72.2	79.8
77.5°	45.4	45.5	46.1	46.6	46.9	47.4	48.2	49.4	50.2	52.0	55.4
80°	35.9	36.3	35.9	36.3	36.3	37.1	37.6	38.8	39.3	41.4	42.7
82.5°	27.0	26.7	27.0	27.4	27.4	28.3	28.4	29.3	29.4	30.5	31.8
85°	14.5	13.7	14.5	14.1	14.9	14.1	14.5	15.3	15.3	15.8	17.5
87.5°	7.3	7.8	7.1	7.4	7.3	7.6	7.5	7.4	8.0	7.5	7.5
90°	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5	15.9	15.3	13.5
92.5°	21.2	21.0	20.8	20.6	20.5	20.0	19.0	18.1	17.2	16.3	14.9
95°	24.2	24.2	24.2	24.2	24.2	23.7	22.7	21.8	20.8	19.7	18.2
97.5°	26.3	26.1	26.0	25.8	25.7	25.0	23.9	22.8	21.7	20.5	30.7
100°	26.7	26.7	26.5	26.3	26.2	25.6	24.5	23.3	22.2	21.0	43.1
102.5°	27.3	27.0	26.7	26.5	26.3	27.9	31.4	34.9	38.4	41.9	66.0
105°	28.0	27.8	27.5	27.2	26.9	39.3	64.4	89.4	114.5	139.6	152.3
107.5°	88.1	107.0	125.9	144.8	163.6	182.3	200.7	219.1	237.5	255.8	253.8
110°	175.3	195.5	215.8	236.0	256.3	268.8	273.5	278.1	282.8	287.5	285.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	300.8	305.0	309.2	313.6	317.8	319.9	319.8	319.8	319.7	319.6	318.0
115°	374.8	374.2	373.7	373.1	372.5	371.5	370.1	368.7	367.3	365.9	364.6
117.5°	416.4	416.2	416.1	416.0	415.9	415.2	414.2	413.0	411.9	410.7	410.1
120°	444.9	444.9	444.9	444.9	444.9	444.3	443.2	442.1	440.9	439.8	439.4
122.5°	473.0	472.9	472.7	472.6	472.5	472.1	471.2	470.4	469.7	468.9	468.3
125°	512.5	512.2	511.9	511.6	511.4	511.0	510.8	510.5	510.2	509.9	509.3
127.5°	550.5	550.7	551.1	551.3	551.5	551.5	551.1	550.6	550.2	549.7	549.0
130°	574.9	575.2	575.5	575.8	576.1	575.9	575.4	574.8	574.2	573.6	573.1
132.5°	597.4	597.8	598.2	598.6	598.9	598.8	598.3	597.7	597.2	596.6	596.1
135°	631.7	632.1	632.5	632.9	633.3	633.3	632.9	632.5	632.1	631.7	631.1
137.5°	663.9	664.2	664.5	664.8	665.0	664.9	664.1	663.5	662.8	662.1	661.8
140°	683.3	683.5	683.9	684.1	684.4	684.3	683.7	683.1	682.6	682.0	681.6
142.5°	701.2	701.6	701.9	702.3	702.7	702.7	702.2	701.8	701.3	700.9	700.4
145°	728.6	728.6	728.6	728.6	728.6	728.4	728.1	727.8	727.6	727.2	727.0
147.5°	748.9	749.6	750.2	750.9	751.5	751.7	751.5	751.1	750.9	750.6	750.3
150°	764.3	764.7	765.1	765.5	766.0	766.0	765.7	765.4	765.2	764.9	764.6
152.5°	776.5	777.1	777.8	778.4	779.1	779.2	778.6	778.1	777.6	777.1	777.0
155°	793.5	794.4	795.2	796.1	797.0	797.0	796.3	795.7	794.9	794.2	794.0
157.5°	808.0	809.1	810.2	811.3	812.4	812.5	811.6	810.8	810.0	809.1	809.3
160°	817.2	818.2	819.1	820.1	821.1	821.2	820.4	819.5	818.6	817.7	817.9
162.5°	825.8	826.7	827.5	828.4	829.3	829.2	828.3	827.4	826.4	825.4	825.6
165°	836.3	837.2	838.2	839.3	840.2	840.2	839.0	837.9	836.7	835.6	835.8
167.5°	843.8	844.9	846.0	847.2	848.3	848.3	847.2	846.0	844.9	843.8	843.8
170°	848.4	849.5	850.6	851.7	852.9	852.9	851.7	850.6	849.5	848.4	848.4
172.5°	850.9	852.2	853.5	854.7	855.9	856.0	854.8	853.7	852.6	851.4	851.3
175°	854.8	855.9	857.0	858.2	859.2	859.3	858.3	857.4	856.4	855.4	855.2
177.5°	855.9	857.0	858.2	859.3	860.5	860.5	859.7	858.8	857.9	856.9	856.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1029.6	1028.5	1023.8	1018.3	1011.1	1006.3	1002.6	1000.5	994.4	986.8	981.8
5°	1093.2	1080.4	1066.7	1050.0	1034.7	1018.9	1009.1	997.5	983.5	967.7	956.6
7.5°	1161.3	1136.2	1109.1	1081.2	1053.6	1028.9	1007.1	988.3	965.9	943.2	927.4
10°	1213.6	1176.8	1138.8	1100.0	1064.5	1031.3	1005.7	980.5	953.6	927.6	907.9
12.5°	1261.0	1212.7	1168.9	1121.2	1075.9	1036.1	999.1	969.6	937.2	909.5	887.0
15°	1321.1	1271.6	1218.6	1146.1	1085.9	1035.5	990.8	951.9	912.6	878.5	856.7
17.5°	1377.3	1302.8	1231.7	1171.1	1092.9	1030.0	975.3	928.8	885.7	849.5	822.7
20°	1400.5	1328.4	1251.1	1173.9	1097.0	1026.5	963.0	911.7	866.9	826.0	801.2
22.5°	1414.5	1332.8	1251.4	1168.4	1086.8	1013.6	950.7	894.3	845.8	806.8	776.2
25°	1430.8	1333.5	1243.8	1161.9	1078.6	999.2	924.5	864.8	812.3	770.9	738.4
27.5°	1441.5	1327.1	1221.2	1130.0	1045.6	966.5	898.1	834.8	781.5	737.7	702.9
30°	1443.6	1321.9	1203.7	1105.1	1019.3	946.7	874.2	813.6	757.2	710.7	678.2
32.5°	1446.3	1309.3	1180.1	1075.4	987.6	915.7	849.9	792.1	734.3	688.5	655.4
35°	1435.1	1302.4	1144.4	1024.0	936.0	866.5	807.1	753.8	697.1	652.6	618.9
37.5°	1386.6	1274.6	1107.3	966.1	874.2	809.8	761.4	714.9	662.8	614.9	583.2
40°	1337.7	1247.2	1078.6	931.0	834.9	768.7	725.2	687.2	636.8	592.1	557.9
42.5°	1265.0	1210.1	1051.3	894.1	790.5	726.8	690.1	654.4	610.3	564.8	532.6
45°	1131.6	1138.8	995.4	835.4	729.0	665.0	630.5	605.7	566.5	528.9	496.0
47.5°	964.3	1032.1	929.8	772.7	664.2	604.1	574.0	552.4	525.9	489.0	459.0
50°	855.0	951.9	877.2	730.8	623.6	563.9	534.0	516.5	493.4	464.4	435.8
52.5°	754.2	858.3	813.7	684.0	579.6	525.0	495.8	481.4	463.0	435.7	409.9
55°	615.1	720.6	710.3	613.3	513.5	464.4	442.2	426.0	413.6	393.1	372.7
57.5°	497.6	597.5	602.8	534.8	455.3	406.8	387.7	375.4	367.4	351.9	333.0
60°	423.5	515.2	533.1	481.9	413.6	371.0	352.1	342.3	335.9	323.6	309.1
62.5°	362.0	440.1	460.4	423.5	373.7	333.7	319.0	309.6	305.2	294.5	281.7
65°	277.0	341.9	361.5	341.0	315.0	283.0	271.1	262.9	259.1	253.2	243.7
67.5°	208.3	255.6	277.1	262.7	253.3	233.1	225.4	221.1	217.7	213.6	205.8
70°	167.3	202.4	224.5	220.7	213.0	202.4	196.8	193.8	190.4	186.9	180.1
72.5°	134.5	158.7	179.4	181.4	175.1	172.9	168.1	166.8	164.8	160.7	156.9
75°	89.2	105.8	120.3	125.9	128.5	130.6	128.5	128.1	127.6	124.3	122.1
77.5°	58.5	67.4	76.6	86.0	90.1	92.9	93.7	95.2	94.1	92.3	91.2
80°	44.8	47.0	53.3	61.5	67.8	70.4	72.2	73.0	72.6	72.2	70.4
82.5°	32.5	34.3	37.3	43.0	48.4	52.7	53.7	53.6	54.5	54.7	53.3
85°	17.5	17.9	18.8	19.6	22.6	27.3	28.6	29.4	30.3	30.3	27.7
87.5°	7.8	7.1	7.4	7.1	7.8	7.8	9.6	11.1	11.7	10.6	10.8
90°	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7	2.0	3.5	4.9
92.5°	13.5	12.1	10.8	10.3	10.7	11.1	11.5	11.8	11.5	11.1	10.7
95°	16.6	15.1	13.5	15.7	21.4	27.2	33.1	38.9	33.1	27.2	21.4
97.5°	40.9	51.1	61.3	67.8	70.4	73.0	75.6	78.1	75.6	73.0	70.4
100°	65.2	87.3	109.4	119.0	116.2	113.4	110.6	107.7	110.6	113.4	116.2
102.5°	90.2	114.4	138.5	149.5	147.5	145.4	143.4	141.4	143.4	145.4	147.5
105°	165.1	177.8	190.6	196.2	194.6	193.1	191.5	190.0	191.5	193.1	194.6
107.5°	251.8	249.8	247.8	246.1	244.9	243.7	242.5	241.2	242.5	243.7	244.9
110°	284.4	282.8	281.2	279.9	278.8	277.6	276.5	275.3	276.5	277.6	278.8



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.5	315.0	313.3	312.1	311.0	310.1	309.0	308.0	309.0	310.1	311.0
115°	363.3	362.1	360.8	359.7	358.9	358.0	357.2	356.3	357.2	358.0	358.9
117.5°	409.4	408.8	408.1	407.2	406.3	405.2	404.1	403.1	404.1	405.2	406.3
120°	439.0	438.5	438.1	437.2	435.9	434.7	433.4	432.2	433.4	434.7	435.9
122.5°	467.8	467.2	466.7	465.9	464.9	463.8	462.8	461.7	462.8	463.8	464.9
125°	508.7	508.3	507.7	506.8	505.6	504.5	503.4	502.3	503.4	504.5	505.6
127.5°	548.4	547.6	547.0	546.1	544.9	543.8	542.7	541.5	542.7	543.8	544.9
130°	572.5	571.9	571.4	570.5	569.4	568.3	567.1	566.0	567.1	568.3	569.4
132.5°	595.7	595.3	594.8	594.0	592.9	591.7	590.6	589.5	590.6	591.7	592.9
135°	630.6	630.0	629.4	628.7	627.9	627.0	626.1	625.3	626.1	627.0	627.9
137.5°	661.5	661.2	660.9	660.1	659.1	658.0	657.0	655.9	657.0	658.0	659.1
140°	681.2	680.8	680.3	679.7	678.8	678.0	677.1	676.3	677.1	678.0	678.8
142.5°	700.0	699.6	699.2	698.5	697.7	696.8	696.0	695.1	696.0	696.8	697.7
145°	726.7	726.4	726.1	725.5	724.5	723.5	722.5	721.5	722.5	723.5	724.5
147.5°	750.0	749.7	749.5	749.0	748.4	747.7	747.1	746.4	747.1	747.7	748.4
150°	764.3	764.0	763.8	763.4	763.0	762.5	762.1	761.7	762.1	762.5	763.0
152.5°	776.7	776.6	776.4	776.2	776.1	775.8	775.7	775.4	775.7	775.8	776.1
155°	793.9	793.8	793.6	793.7	794.0	794.3	794.6	794.8	794.6	794.3	794.0
157.5°	809.4	809.5	809.7	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8
160°	818.1	818.2	818.3	818.5	818.6	818.8	818.9	819.0	818.9	818.8	818.6
162.5°	825.7	825.8	826.0	826.2	826.6	827.0	827.4	827.7	827.4	827.0	826.6
165°	835.9	836.1	836.2	836.5	836.9	837.3	837.7	838.2	837.7	837.3	836.9
167.5°	843.8	843.8	843.8	844.1	844.7	845.2	845.8	846.4	845.8	845.2	844.7
170°	848.4	848.4	848.4	848.6	849.2	849.8	850.4	850.9	850.4	849.8	849.2
172.5°	851.2	851.1	851.0	851.3	851.9	852.6	853.3	853.9	853.3	852.6	851.9
175°	855.1	854.9	854.8	855.1	855.8	856.6	857.2	857.9	857.2	856.6	855.8
177.5°	856.7	856.6	856.5	856.7	857.3	857.9	858.4	858.9	858.4	857.9	857.3
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	980.1	975.6	972.6	965.7	961.2	956.5	951.7	954.8	954.5	954.1	954.1
5°	947.2	937.3	928.4	916.9	909.6	900.7	893.8	893.0	894.7	888.7	885.3
7.5°	914.6	901.2	888.4	875.7	862.3	851.5	844.7	841.6	837.2	833.6	829.7
10°	891.7	875.9	863.5	847.7	833.2	820.4	812.3	806.7	803.7	800.8	795.2
12.5°	868.1	852.6	836.9	819.0	805.2	790.4	784.3	778.0	772.3	769.0	761.4
15°	833.6	813.6	797.0	778.1	762.8	748.3	739.7	727.3	725.6	721.4	713.7
17.5°	799.1	777.3	754.3	740.5	723.1	708.0	695.0	690.8	678.6	674.0	667.3
20°	771.8	751.7	734.2	715.8	690.6	676.5	666.3	660.8	650.9	645.0	640.7
22.5°	748.2	727.8	707.5	686.2	665.4	649.5	642.0	633.4	628.1	619.7	615.1
25°	714.5	692.4	668.1	645.0	630.1	618.1	606.1	598.4	590.8	586.9	578.4
27.5°	675.5	652.2	629.5	612.0	593.7	581.9	571.0	564.2	555.0	548.5	543.8
30°	654.0	626.6	607.0	591.2	567.7	556.6	548.5	540.0	533.1	526.3	521.6
32.5°	629.0	604.1	585.5	565.9	547.9	535.8	525.3	517.8	511.9	505.5	500.8
35°	589.9	569.0	549.8	530.1	516.9	504.5	492.2	485.8	480.2	474.3	469.9
37.5°	554.6	535.0	516.7	498.1	481.8	471.7	461.7	456.8	449.3	445.3	440.9
40°	532.7	513.5	493.8	476.0	458.9	451.2	442.2	435.0	428.1	425.2	420.4
42.5°	508.8	489.6	473.0	453.7	439.8	429.3	421.0	413.1	408.0	403.7	401.0
45°	473.4	456.3	440.1	420.9	407.6	398.7	389.3	382.0	377.3	374.4	369.7
47.5°	439.0	421.9	405.4	388.7	375.9	365.7	356.3	351.2	345.0	341.3	338.2
50°	414.0	398.7	381.2	365.8	353.0	342.8	335.1	328.6	323.1	318.5	316.3
52.5°	391.2	374.8	359.6	345.4	331.8	320.2	313.2	306.5	302.3	296.9	294.4
55°	353.4	337.6	324.8	310.7	297.5	287.7	279.2	273.2	268.9	262.9	259.5
57.5°	318.0	303.9	288.5	276.3	262.7	254.4	247.3	239.2	234.0	229.3	226.0
60°	294.1	277.9	264.6	253.2	241.2	230.5	224.1	217.7	212.1	207.4	204.5
62.5°	269.2	255.0	242.5	229.9	219.0	209.7	202.3	196.9	192.0	189.0	186.1
65°	230.9	219.8	207.0	196.8	186.5	179.7	173.7	169.0	165.6	163.5	160.9
67.5°	195.8	185.0	173.8	163.7	156.9	151.7	147.8	143.7	142.0	139.3	137.6
70°	172.8	161.8	152.0	144.3	137.5	133.6	131.0	128.1	126.4	122.9	121.2
72.5°	148.0	139.9	132.8	126.5	121.1	117.6	114.3	110.6	107.9	104.1	102.5
75°	116.5	109.3	103.7	99.5	96.0	91.3	86.7	82.8	81.5	80.2	79.8
77.5°	86.3	81.7	77.7	74.1	69.9	66.4	65.4	64.6	64.2	63.6	63.6
80°	67.8	63.6	60.6	56.3	53.8	53.8	53.8	52.9	53.3	53.3	53.3
82.5°	50.5	46.6	44.9	43.4	42.9	43.2	43.2	43.4	43.1	43.8	43.5
85°	26.0	26.5	27.3	26.9	27.3	27.3	28.2	27.7	28.2	27.3	28.2
87.5°	10.8	12.1	12.9	13.6	14.3	14.3	14.8	14.9	15.3	15.5	15.6
90°	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5	17.0	17.5	18.0
92.5°	10.3	10.8	12.1	13.5	14.9	16.3	17.2	18.1	19.0	20.0	20.5
95°	15.7	13.5	15.1	16.6	18.2	19.7	20.8	21.8	22.7	23.7	24.2
97.5°	67.8	61.3	51.1	40.9	30.7	20.5	21.7	22.8	23.9	25.0	25.7
100°	119.0	109.4	87.3	65.2	43.1	21.0	22.2	23.3	24.5	25.6	26.2
102.5°	149.5	138.5	114.4	90.2	66.0	41.9	38.4	34.9	31.4	27.9	26.3
105°	196.2	190.6	177.8	165.1	152.3	139.6	114.5	89.4	64.4	39.3	26.9
107.5°	246.1	247.8	249.8	251.8	253.8	255.8	237.5	219.1	200.7	182.3	163.6
110°	279.9	281.2	282.8	284.4	285.9	287.5	282.8	278.1	273.5	268.8	256.3



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	312.1	313.3	315.0	316.5	318.0	319.6	319.7	319.8	319.8	319.9	317.8
115°	359.7	360.8	362.1	363.3	364.6	365.9	367.3	368.7	370.1	371.5	372.5
117.5°	407.2	408.1	408.8	409.4	410.1	410.7	411.9	413.0	414.2	415.2	415.9
120°	437.2	438.1	438.5	439.0	439.4	439.8	440.9	442.1	443.2	444.3	444.9
122.5°	465.9	466.7	467.2	467.8	468.3	468.9	469.7	470.4	471.2	472.1	472.5
125°	506.8	507.7	508.3	508.7	509.3	509.9	510.2	510.5	510.8	511.0	511.4
127.5°	546.1	547.0	547.6	548.4	549.0	549.7	550.2	550.6	551.1	551.5	551.5
130°	570.5	571.4	571.9	572.5	573.1	573.6	574.2	574.8	575.4	575.9	576.1
132.5°	594.0	594.8	595.3	595.7	596.1	596.6	597.2	597.7	598.3	598.8	598.9
135°	628.7	629.4	630.0	630.6	631.1	631.7	632.1	632.5	632.9	633.3	633.3
137.5°	660.1	660.9	661.2	661.5	661.8	662.1	662.8	663.5	664.1	664.9	665.0
140°	679.7	680.3	680.8	681.2	681.6	682.0	682.6	683.1	683.7	684.3	684.4
142.5°	698.5	699.2	699.6	700.0	700.4	700.9	701.3	701.8	702.2	702.7	702.7
145°	725.5	726.1	726.4	726.7	727.0	727.2	727.6	727.8	728.1	728.4	728.6
147.5°	749.0	749.5	749.7	750.0	750.3	750.6	750.9	751.1	751.5	751.7	751.5
150°	763.4	763.8	764.0	764.3	764.6	764.9	765.2	765.4	765.7	766.0	766.0
152.5°	776.2	776.4	776.6	776.7	777.0	777.1	777.6	778.1	778.6	779.2	779.1
155°	793.7	793.6	793.8	793.9	794.0	794.2	794.9	795.7	796.3	797.0	797.0
157.5°	809.8	809.7	809.5	809.4	809.3	809.1	810.0	810.8	811.6	812.5	812.4
160°	818.5	818.3	818.2	818.1	817.9	817.7	818.6	819.5	820.4	821.2	821.1
162.5°	826.2	826.0	825.8	825.7	825.6	825.4	826.4	827.4	828.3	829.2	829.3
165°	836.5	836.2	836.1	835.9	835.8	835.6	836.7	837.9	839.0	840.2	840.2
167.5°	844.1	843.8	843.8	843.8	843.8	843.8	844.9	846.0	847.2	848.3	848.3
170°	848.6	848.4	848.4	848.4	848.4	848.4	849.5	850.6	851.7	852.9	852.9
172.5°	851.3	851.0	851.1	851.2	851.3	851.4	852.6	853.7	854.8	856.0	855.9
175°	855.1	854.8	854.9	855.1	855.2	855.4	856.4	857.4	858.3	859.3	859.2
177.5°	856.7	856.5	856.6	856.7	856.8	856.9	857.9	858.8	859.7	860.5	860.5
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	950.0	949.7	950.0	948.6	950.0	949.7	950.0	954.1	954.1	954.5	954.8
5°	884.0	883.5	882.3	878.5	882.3	883.5	884.0	885.3	888.7	894.7	893.0
7.5°	826.4	825.8	822.1	822.1	822.1	825.8	826.4	829.7	833.6	837.2	841.6
10°	792.2	792.6	787.6	784.6	787.6	792.6	792.2	795.2	800.8	803.7	806.7
12.5°	759.1	757.2	753.0	749.7	753.0	757.2	759.1	761.4	769.0	772.3	778.0
15°	715.4	711.1	700.9	701.7	700.9	711.1	715.4	713.7	721.4	725.6	727.3
17.5°	663.9	660.8	660.6	654.6	660.6	660.8	663.9	667.3	674.0	678.6	690.8
20°	633.9	631.8	632.6	626.6	632.6	631.8	633.9	640.7	645.0	650.9	660.8
22.5°	610.3	608.2	604.6	602.8	604.6	608.2	610.3	615.1	619.7	628.1	633.4
25°	575.8	572.4	569.0	571.1	569.0	572.4	575.8	578.4	586.9	590.8	598.4
27.5°	541.4	538.7	535.3	534.9	535.3	538.7	541.4	543.8	548.5	555.0	564.2
30°	519.5	516.9	515.2	513.1	515.2	516.9	519.5	521.6	526.3	533.1	540.0
32.5°	497.3	496.8	493.7	493.3	493.7	496.8	497.3	500.8	505.5	511.9	517.8
35°	468.2	465.7	464.8	465.3	464.8	465.7	468.2	469.9	474.3	480.2	485.8
37.5°	440.7	437.2	435.7	434.2	435.7	437.2	440.7	440.9	445.3	449.3	456.8
40°	420.9	417.4	416.6	415.7	416.6	417.4	420.9	420.4	425.2	428.1	435.0
42.5°	398.7	397.3	396.8	395.3	396.8	397.3	398.7	401.0	403.7	408.0	413.1
45°	368.4	367.9	365.4	366.2	365.4	367.9	368.4	369.7	374.4	377.3	382.0
47.5°	336.5	334.6	332.8	333.9	332.8	334.6	336.5	338.2	341.3	345.0	351.2
50°	314.6	313.7	309.9	310.7	309.9	313.7	314.6	316.3	318.5	323.1	328.6
52.5°	292.8	289.5	288.0	287.6	288.0	289.5	292.8	294.4	296.9	302.3	306.5
55°	256.6	252.7	250.9	250.1	250.9	252.7	256.6	259.5	262.9	268.9	273.2
57.5°	221.0	220.0	218.7	219.6	218.7	220.0	221.0	226.0	229.3	234.0	239.2
60°	200.2	200.2	200.2	199.7	200.2	200.2	200.2	204.5	207.4	212.1	217.7
62.5°	184.2	183.1	182.8	183.4	182.8	183.1	184.2	186.1	189.0	192.0	196.9
65°	159.6	159.2	157.5	157.1	157.5	159.2	159.6	160.9	163.5	165.6	169.0
67.5°	136.5	134.9	134.4	133.9	134.4	134.9	136.5	137.6	139.3	142.0	143.7
70°	119.1	118.2	115.7	116.1	115.7	118.2	119.1	121.2	122.9	126.4	128.1
72.5°	100.3	99.5	99.0	98.3	99.0	99.5	100.3	102.5	104.1	107.9	110.6
75°	79.4	79.0	78.5	80.2	78.5	79.0	79.4	79.8	80.2	81.5	82.8
77.5°	63.6	63.6	63.8	63.2	63.8	63.6	63.6	63.6	63.6	64.2	64.6
80°	53.3	53.3	52.9	52.9	52.9	53.3	53.3	53.3	53.3	53.3	52.9
82.5°	42.8	43.1	43.4	42.7	43.4	43.1	42.8	43.5	43.8	43.1	43.4
85°	28.2	27.7	28.6	28.2	28.6	27.7	28.2	28.2	27.3	28.2	27.7
87.5°	16.3	15.7	15.7	16.1	15.7	15.7	16.3	15.6	15.5	15.3	14.9
90°	18.3	18.6	18.8	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5
92.5°	20.6	20.8	21.0	21.2	21.0	20.8	20.6	20.5	20.0	19.0	18.1
95°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	23.7	22.7	21.8
97.5°	25.8	26.0	26.1	26.3	26.1	26.0	25.8	25.7	25.0	23.9	22.8
100°	26.3	26.5	26.7	26.7	26.7	26.5	26.3	26.2	25.6	24.5	23.3
102.5°	26.5	26.7	27.0	27.3	27.0	26.7	26.5	26.3	27.9	31.4	34.9
105°	27.2	27.5	27.8	28.0	27.8	27.5	27.2	26.9	39.3	64.4	89.4
107.5°	144.8	125.9	107.0	88.1	107.0	125.9	144.8	163.6	182.3	200.7	219.1
110°	236.0	215.8	195.5	175.3	195.5	215.8	236.0	256.3	268.8	273.5	278.1



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	313.6	309.2	305.0	300.8	305.0	309.2	313.6	317.8	319.9	319.8	319.8
115°	373.1	373.7	374.2	374.8	374.2	373.7	373.1	372.5	371.5	370.1	368.7
117.5°	416.0	416.1	416.2	416.4	416.2	416.1	416.0	415.9	415.2	414.2	413.0
120°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.3	443.2	442.1
122.5°	472.6	472.7	472.9	473.0	472.9	472.7	472.6	472.5	472.1	471.2	470.4
125°	511.6	511.9	512.2	512.5	512.2	511.9	511.6	511.4	511.0	510.8	510.5
127.5°	551.3	551.1	550.7	550.5	550.7	551.1	551.3	551.5	551.5	551.1	550.6
130°	575.8	575.5	575.2	574.9	575.2	575.5	575.8	576.1	575.9	575.4	574.8
132.5°	598.6	598.2	597.8	597.4	597.8	598.2	598.6	598.9	598.8	598.3	597.7
135°	632.9	632.5	632.1	631.7	632.1	632.5	632.9	633.3	633.3	632.9	632.5
137.5°	664.8	664.5	664.2	663.9	664.2	664.5	664.8	665.0	664.9	664.1	663.5
140°	684.1	683.9	683.5	683.3	683.5	683.9	684.1	684.4	684.3	683.7	683.1
142.5°	702.3	701.9	701.6	701.2	701.6	701.9	702.3	702.7	702.7	702.2	701.8
145°	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.4	728.1	727.8
147.5°	750.9	750.2	749.6	748.9	749.6	750.2	750.9	751.5	751.7	751.5	751.1
150°	765.5	765.1	764.7	764.3	764.7	765.1	765.5	766.0	766.0	765.7	765.4
152.5°	778.4	777.8	777.1	776.5	777.1	777.8	778.4	779.1	779.2	778.6	778.1
155°	796.1	795.2	794.4	793.5	794.4	795.2	796.1	797.0	797.0	796.3	795.7
157.5°	811.3	810.2	809.1	808.0	809.1	810.2	811.3	812.4	812.5	811.6	810.8
160°	820.1	819.1	818.2	817.2	818.2	819.1	820.1	821.1	821.2	820.4	819.5
162.5°	828.4	827.5	826.7	825.8	826.7	827.5	828.4	829.3	829.2	828.3	827.4
165°	839.3	838.2	837.2	836.3	837.2	838.2	839.3	840.2	840.2	839.0	837.9
167.5°	847.2	846.0	844.9	843.8	844.9	846.0	847.2	848.3	848.3	847.2	846.0
170°	851.7	850.6	849.5	848.4	849.5	850.6	851.7	852.9	852.9	851.7	850.6
172.5°	854.7	853.5	852.2	850.9	852.2	853.5	854.7	855.9	856.0	854.8	853.7
175°	858.2	857.0	855.9	854.8	855.9	857.0	858.2	859.2	859.3	858.3	857.4
177.5°	859.3	858.2	857.0	855.9	857.0	858.2	859.3	860.5	860.5	859.7	858.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	951.7	956.5	961.2	965.7	972.6	975.6	980.1	981.8	986.8	994.4	1000.5
5°	893.8	900.7	909.6	916.9	928.4	937.3	947.2	956.6	967.7	983.5	997.5
7.5°	844.7	851.5	862.3	875.7	888.4	901.2	914.6	927.4	943.2	965.9	988.3
10°	812.3	820.4	833.2	847.7	863.5	875.9	891.7	907.9	927.6	953.6	980.5
12.5°	784.3	790.4	805.2	819.0	836.9	852.6	868.1	887.0	909.5	937.2	969.6
15°	739.7	748.3	762.8	778.1	797.0	813.6	833.6	856.7	878.5	912.6	951.9
17.5°	695.0	708.0	723.1	740.5	754.3	777.3	799.1	822.7	849.5	885.7	928.8
20°	666.3	676.5	690.6	715.8	734.2	751.7	771.8	801.2	826.0	866.9	911.7
22.5°	642.0	649.5	665.4	686.2	707.5	727.8	748.2	776.2	806.8	845.8	894.3
25°	606.1	618.1	630.1	645.0	668.1	692.4	714.5	738.4	770.9	812.3	864.8
27.5°	571.0	581.9	593.7	612.0	629.5	652.2	675.5	702.9	737.7	781.5	834.8
30°	548.5	556.6	567.7	591.2	607.0	626.6	654.0	678.2	710.7	757.2	813.6
32.5°	525.3	535.8	547.9	565.9	585.5	604.1	629.0	655.4	688.5	734.3	792.1
35°	492.2	504.5	516.9	530.1	549.8	569.0	589.9	618.9	652.6	697.1	753.8
37.5°	461.7	471.7	481.8	498.1	516.7	535.0	554.6	583.2	614.9	662.8	714.9
40°	442.2	451.2	458.9	476.0	493.8	513.5	532.7	557.9	592.1	636.8	687.2
42.5°	421.0	429.3	439.8	453.7	473.0	489.6	508.8	532.6	564.8	610.3	654.4
45°	389.3	398.7	407.6	420.9	440.1	456.3	473.4	496.0	528.9	566.5	605.7
47.5°	356.3	365.7	375.9	388.7	405.4	421.9	439.0	459.0	489.0	525.9	552.4
50°	335.1	342.8	353.0	365.8	381.2	398.7	414.0	435.8	464.4	493.4	516.5
52.5°	313.2	320.2	331.8	345.4	359.6	374.8	391.2	409.9	435.7	463.0	481.4
55°	279.2	287.7	297.5	310.7	324.8	337.6	353.4	372.7	393.1	413.6	426.0
57.5°	247.3	254.4	262.7	276.3	288.5	303.9	318.0	333.0	351.9	367.4	375.4
60°	224.1	230.5	241.2	253.2	264.6	277.9	294.1	309.1	323.6	335.9	342.3
62.5°	202.3	209.7	219.0	229.9	242.5	255.0	269.2	281.7	294.5	305.2	309.6
65°	173.7	179.7	186.5	196.8	207.0	219.8	230.9	243.7	253.2	259.1	262.9
67.5°	147.8	151.7	156.9	163.7	173.8	185.0	195.8	205.8	213.6	217.7	221.1
70°	131.0	133.6	137.5	144.3	152.0	161.8	172.8	180.1	186.9	190.4	193.8
72.5°	114.3	117.6	121.1	126.5	132.8	139.9	148.0	156.9	160.7	164.8	166.8
75°	86.7	91.3	96.0	99.5	103.7	109.3	116.5	122.1	124.3	127.6	128.1
77.5°	65.4	66.4	69.9	74.1	77.7	81.7	86.3	91.2	92.3	94.1	95.2
80°	53.8	53.8	53.8	56.3	60.6	63.6	67.8	70.4	72.2	72.6	73.0
82.5°	43.2	43.2	42.9	43.4	44.9	46.6	50.5	53.3	54.7	54.5	53.6
85°	28.2	27.3	27.3	26.9	27.3	26.5	26.0	27.7	30.3	30.3	29.4
87.5°	14.8	14.3	14.3	13.6	12.9	12.1	10.8	10.8	10.6	11.7	11.1
90°	15.9	15.3	13.5	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7
92.5°	17.2	16.3	14.9	13.5	12.1	10.8	10.3	10.7	11.1	11.5	11.8
95°	20.8	19.7	18.2	16.6	15.1	13.5	15.7	21.4	27.2	33.1	38.9
97.5°	21.7	20.5	30.7	40.9	51.1	61.3	67.8	70.4	73.0	75.6	78.1
100°	22.2	21.0	43.1	65.2	87.3	109.4	119.0	116.2	113.4	110.6	107.7
102.5°	38.4	41.9	66.0	90.2	114.4	138.5	149.5	147.5	145.4	143.4	141.4
105°	114.5	139.6	152.3	165.1	177.8	190.6	196.2	194.6	193.1	191.5	190.0
107.5°	237.5	255.8	253.8	251.8	249.8	247.8	246.1	244.9	243.7	242.5	241.2
110°	282.8	287.5	285.9	284.4	282.8	281.2	279.9	278.8	277.6	276.5	275.3



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	319.7	319.6	318.0	316.5	315.0	313.3	312.1	311.0	310.1	309.0	308.0
115°	367.3	365.9	364.6	363.3	362.1	360.8	359.7	358.9	358.0	357.2	356.3
117.5°	411.9	410.7	410.1	409.4	408.8	408.1	407.2	406.3	405.2	404.1	403.1
120°	440.9	439.8	439.4	439.0	438.5	438.1	437.2	435.9	434.7	433.4	432.2
122.5°	469.7	468.9	468.3	467.8	467.2	466.7	465.9	464.9	463.8	462.8	461.7
125°	510.2	509.9	509.3	508.7	508.3	507.7	506.8	505.6	504.5	503.4	502.3
127.5°	550.2	549.7	549.0	548.4	547.6	547.0	546.1	544.9	543.8	542.7	541.5
130°	574.2	573.6	573.1	572.5	571.9	571.4	570.5	569.4	568.3	567.1	566.0
132.5°	597.2	596.6	596.1	595.7	595.3	594.8	594.0	592.9	591.7	590.6	589.5
135°	632.1	631.7	631.1	630.6	630.0	629.4	628.7	627.9	627.0	626.1	625.3
137.5°	662.8	662.1	661.8	661.5	661.2	660.9	660.1	659.1	658.0	657.0	655.9
140°	682.6	682.0	681.6	681.2	680.8	680.3	679.7	678.8	678.0	677.1	676.3
142.5°	701.3	700.9	700.4	700.0	699.6	699.2	698.5	697.7	696.8	696.0	695.1
145°	727.6	727.2	727.0	726.7	726.4	726.1	725.5	724.5	723.5	722.5	721.5
147.5°	750.9	750.6	750.3	750.0	749.7	749.5	749.0	748.4	747.7	747.1	746.4
150°	765.2	764.9	764.6	764.3	764.0	763.8	763.4	763.0	762.5	762.1	761.7
152.5°	777.6	777.1	777.0	776.7	776.6	776.4	776.2	776.1	775.8	775.7	775.4
155°	794.9	794.2	794.0	793.9	793.8	793.6	793.7	794.0	794.3	794.6	794.8
157.5°	810.0	809.1	809.3	809.4	809.5	809.7	809.8	809.8	809.8	809.8	809.8
160°	818.6	817.7	817.9	818.1	818.2	818.3	818.5	818.6	818.8	818.9	819.0
162.5°	826.4	825.4	825.6	825.7	825.8	826.0	826.2	826.6	827.0	827.4	827.7
165°	836.7	835.6	835.8	835.9	836.1	836.2	836.5	836.9	837.3	837.7	838.2
167.5°	844.9	843.8	843.8	843.8	843.8	843.8	844.1	844.7	845.2	845.8	846.4
170°	849.5	848.4	848.4	848.4	848.4	848.4	848.6	849.2	849.8	850.4	850.9
172.5°	852.6	851.4	851.3	851.2	851.1	851.0	851.3	851.9	852.6	853.3	853.9
175°	856.4	855.4	855.2	855.1	854.9	854.8	855.1	855.8	856.6	857.2	857.9
177.5°	857.9	856.9	856.8	856.7	856.6	856.5	856.7	857.3	857.9	858.4	858.9
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P332312-930

CATALOG NUMBER: S123RDIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1002.6	1006.3	1011.1	1018.3	1023.8	1028.5	1029.6	1030.9	1034.4	1040.2	1044.6
5°	1009.1	1018.9	1034.7	1050.0	1066.7	1080.4	1093.2	1102.1	1110.7	1128.6	1143.1
7.5°	1007.1	1028.9	1053.6	1081.2	1109.1	1136.2	1161.3	1183.7	1206.1	1232.2	1262.0
10°	1005.7	1031.3	1064.5	1100.0	1138.8	1176.8	1213.6	1242.1	1275.5	1305.3	1343.3
12.5°	999.1	1036.1	1075.9	1121.2	1168.9	1212.7	1261.0	1300.6	1338.6	1381.8	1426.0
15°	990.8	1035.5	1085.9	1146.1	1218.6	1271.6	1321.1	1389.8	1436.8	1483.8	1546.9
17.5°	975.3	1030.0	1092.9	1171.1	1231.7	1302.8	1377.3	1431.6	1494.9	1561.0	1618.2
20°	963.0	1026.5	1097.0	1173.9	1251.1	1328.4	1400.5	1465.3	1530.7	1607.1	1654.1
22.5°	950.7	1013.6	1086.8	1168.4	1251.4	1332.8	1414.5	1490.6	1564.2	1641.3	1701.2
25°	924.5	999.2	1078.6	1161.9	1243.8	1333.5	1430.8	1515.7	1606.6	1686.0	1742.9
27.5°	898.1	966.5	1045.6	1130.0	1221.2	1327.1	1441.5	1538.1	1629.2	1686.0	1703.9
30°	874.2	946.7	1019.3	1105.1	1203.7	1321.9	1443.6	1554.1	1628.9	1653.6	1635.2
32.5°	849.9	915.7	987.6	1075.4	1180.1	1309.3	1446.3	1544.6	1589.6	1570.7	1495.9
35°	807.1	866.5	936.0	1024.0	1144.4	1302.4	1435.1	1501.6	1490.5	1383.8	1243.0
37.5°	761.4	809.8	874.2	966.1	1107.3	1274.6	1386.6	1396.4	1300.3	1136.5	973.8
40°	725.2	768.7	834.9	931.0	1078.6	1247.2	1337.7	1298.0	1149.1	966.8	831.1
42.5°	690.1	726.8	790.5	894.1	1051.3	1210.1	1265.0	1178.5	1006.7	834.3	710.9
45°	630.5	665.0	729.0	835.4	995.4	1138.8	1131.6	981.3	809.3	670.6	568.1
47.5°	574.0	604.1	664.2	772.7	929.8	1032.1	964.3	804.4	658.4	547.1	474.1
50°	534.0	563.9	623.6	730.8	877.2	951.9	855.0	700.9	567.3	475.1	417.0
52.5°	495.8	525.0	579.6	684.0	813.7	858.3	754.2	611.4	500.0	420.4	370.6
55°	442.2	464.4	513.5	613.3	710.3	720.6	615.1	495.5	403.8	348.3	314.1
57.5°	387.7	406.8	455.3	534.8	602.8	597.5	497.6	394.1	332.3	291.1	266.4
60°	352.1	371.0	413.6	481.9	533.1	515.2	423.5	340.2	287.2	257.0	237.3
62.5°	319.0	333.7	373.7	423.5	460.4	440.1	362.0	293.1	251.1	225.5	210.0
65°	271.1	283.0	315.0	341.0	361.5	341.9	277.0	229.2	198.9	181.0	170.3
67.5°	225.4	233.1	253.3	262.7	277.1	255.6	208.3	176.3	159.1	143.9	136.5
70°	196.8	202.4	213.0	220.7	224.5	202.4	167.3	143.8	129.3	118.6	114.0
72.5°	168.1	172.9	175.1	181.4	179.4	158.7	134.5	115.9	105.4	98.2	92.1
75°	128.5	130.6	128.5	125.9	120.3	105.8	89.2	79.8	72.2	68.7	66.6
77.5°	93.7	92.9	90.1	86.0	76.6	67.4	58.5	55.4	52.0	50.2	49.4
80°	72.2	70.4	67.8	61.5	53.3	47.0	44.8	42.7	41.4	39.3	38.8
82.5°	53.7	52.7	48.4	43.0	37.3	34.3	32.5	31.8	30.5	29.4	29.3
85°	28.6	27.3	22.6	19.6	18.8	17.9	17.5	17.5	15.8	15.3	15.3
87.5°	9.6	7.8	7.8	7.1	7.4	7.1	7.8	7.5	7.5	8.0	7.4
90°	2.0	3.5	4.9	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5
92.5°	11.5	11.1	10.7	10.3	10.8	12.1	13.5	14.9	16.3	17.2	18.1
95°	33.1	27.2	21.4	15.7	13.5	15.1	16.6	18.2	19.7	20.8	21.8
97.5°	75.6	73.0	70.4	67.8	61.3	51.1	40.9	30.7	20.5	21.7	22.8
100°	110.6	113.4	116.2	119.0	109.4	87.3	65.2	43.1	21.0	22.2	23.3
102.5°	143.4	145.4	147.5	149.5	138.5	114.4	90.2	66.0	41.9	38.4	34.9
105°	191.5	193.1	194.6	196.2	190.6	177.8	165.1	152.3	139.6	114.5	89.4
107.5°	242.5	243.7	244.9	246.1	247.8	249.8	251.8	253.8	255.8	237.5	219.1
110°	276.5	277.6	278.8	279.9	281.2	282.8	284.4	285.9	287.5	282.8	278.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	309.0	310.1	311.0	312.1	313.3	315.0	316.5	318.0	319.6	319.7	319.8
115°	357.2	358.0	358.9	359.7	360.8	362.1	363.3	364.6	365.9	367.3	368.7
117.5°	404.1	405.2	406.3	407.2	408.1	408.8	409.4	410.1	410.7	411.9	413.0
120°	433.4	434.7	435.9	437.2	438.1	438.5	439.0	439.4	439.8	440.9	442.1
122.5°	462.8	463.8	464.9	465.9	466.7	467.2	467.8	468.3	468.9	469.7	470.4
125°	503.4	504.5	505.6	506.8	507.7	508.3	508.7	509.3	509.9	510.2	510.5
127.5°	542.7	543.8	544.9	546.1	547.0	547.6	548.4	549.0	549.7	550.2	550.6
130°	567.1	568.3	569.4	570.5	571.4	571.9	572.5	573.1	573.6	574.2	574.8
132.5°	590.6	591.7	592.9	594.0	594.8	595.3	595.7	596.1	596.6	597.2	597.7
135°	626.1	627.0	627.9	628.7	629.4	630.0	630.6	631.1	631.7	632.1	632.5
137.5°	657.0	658.0	659.1	660.1	660.9	661.2	661.5	661.8	662.1	662.8	663.5
140°	677.1	678.0	678.8	679.7	680.3	680.8	681.2	681.6	682.0	682.6	683.1
142.5°	696.0	696.8	697.7	698.5	699.2	699.6	700.0	700.4	700.9	701.3	701.8
145°	722.5	723.5	724.5	725.5	726.1	726.4	726.7	727.0	727.2	727.6	727.8
147.5°	747.1	747.7	748.4	749.0	749.5	749.7	750.0	750.3	750.6	750.9	751.1
150°	762.1	762.5	763.0	763.4	763.8	764.0	764.3	764.6	764.9	765.2	765.4
152.5°	775.7	775.8	776.1	776.2	776.4	776.6	776.7	777.0	777.1	777.6	778.1
155°	794.6	794.3	794.0	793.7	793.6	793.8	793.9	794.0	794.2	794.9	795.7
157.5°	809.8	809.8	809.8	809.8	809.7	809.5	809.4	809.3	809.1	810.0	810.8
160°	818.9	818.8	818.6	818.5	818.3	818.2	818.1	817.9	817.7	818.6	819.5
162.5°	827.4	827.0	826.6	826.2	826.0	825.8	825.7	825.6	825.4	826.4	827.4
165°	837.7	837.3	836.9	836.5	836.2	836.1	835.9	835.8	835.6	836.7	837.9
167.5°	845.8	845.2	844.7	844.1	843.8	843.8	843.8	843.8	843.8	844.9	846.0
170°	850.4	849.8	849.2	848.6	848.4	848.4	848.4	848.4	848.4	849.5	850.6
172.5°	853.3	852.6	851.9	851.3	851.0	851.1	851.2	851.3	851.4	852.6	853.7
175°	857.2	856.6	855.8	855.1	854.8	854.9	855.1	855.2	855.4	856.4	857.4
177.5°	858.4	857.9	857.3	856.7	856.5	856.6	856.7	856.8	856.9	857.9	858.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1051.7	1051.7	1053.1	1058.3	1058.9	1063.4	1062.0
5°	1155.9	1164.0	1167.0	1179.8	1187.5	1190.9	1184.1
7.5°	1283.3	1306.2	1317.0	1330.4	1342.3	1345.9	1336.5
10°	1376.1	1400.0	1420.2	1432.5	1444.1	1451.7	1461.5
12.5°	1466.0	1495.3	1514.4	1531.9	1543.8	1553.5	1555.1
15°	1563.6	1607.9	1641.7	1666.4	1678.8	1685.2	1682.6
17.5°	1662.0	1703.2	1727.1	1752.4	1769.5	1770.4	1770.9
20°	1717.7	1757.8	1785.5	1804.3	1823.5	1822.7	1826.9
22.5°	1754.9	1786.5	1807.7	1821.4	1828.0	1824.7	1825.5
25°	1772.3	1781.7	1777.8	1756.1	1750.5	1730.5	1733.9
27.5°	1682.5	1638.1	1592.1	1533.1	1486.5	1449.3	1451.2
30°	1560.6	1482.1	1392.4	1317.3	1249.9	1231.0	1190.9
32.5°	1390.2	1272.4	1167.3	1097.3	1039.4	1023.8	988.8
35°	1101.3	986.8	878.9	814.0	788.4	752.5	752.1
37.5°	856.0	755.3	698.1	649.5	623.9	602.3	600.1
40°	720.1	641.6	598.4	563.5	538.3	522.0	518.2
42.5°	625.2	561.7	521.3	499.6	480.2	471.8	465.6
45°	510.5	467.8	439.7	420.0	411.1	404.6	401.2
47.5°	427.1	398.4	379.2	366.2	358.9	352.1	353.9
50°	381.6	358.2	344.1	331.7	326.1	321.4	321.9
52.5°	345.0	324.0	312.6	303.7	296.8	293.4	291.8
55°	292.9	279.6	268.1	261.6	257.8	253.2	251.8
57.5°	249.8	239.5	230.2	222.9	221.9	217.4	218.0
60°	221.1	212.5	204.9	201.1	198.0	194.2	195.5
62.5°	197.5	190.4	183.4	180.2	177.2	174.4	175.0
65°	161.8	154.9	150.7	149.0	147.7	146.4	145.1
67.5°	128.9	124.7	122.1	118.4	115.8	115.4	114.1
70°	108.4	102.9	98.2	93.5	92.2	91.8	92.2
72.5°	86.9	83.4	82.1	79.8	79.6	78.4	79.2
75°	65.3	64.0	63.2	61.5	61.5	61.5	61.5
77.5°	48.2	47.4	46.9	46.6	46.1	45.5	45.4
80°	37.6	37.1	36.3	36.3	35.9	36.3	35.9
82.5°	28.4	28.3	27.4	27.4	27.0	26.7	27.0
85°	14.5	14.1	14.9	14.1	14.5	13.7	14.5
87.5°	7.5	7.6	7.3	7.4	7.1	7.8	7.3
90°	17.0	17.5	18.0	18.3	18.6	18.8	19.2
92.5°	19.0	20.0	20.5	20.6	20.8	21.0	21.2
95°	22.7	23.7	24.2	24.2	24.2	24.2	24.2
97.5°	23.9	25.0	25.7	25.8	26.0	26.1	26.3
100°	24.5	25.6	26.2	26.3	26.5	26.7	26.7
102.5°	31.4	27.9	26.3	26.5	26.7	27.0	27.3
105°	64.4	39.3	26.9	27.2	27.5	27.8	28.0
107.5°	200.7	182.3	163.6	144.8	125.9	107.0	88.1
110°	273.5	268.8	256.3	236.0	215.8	195.5	175.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	319.8	319.9	317.8	313.6	309.2	305.0	300.8
115°	370.1	371.5	372.5	373.1	373.7	374.2	374.8
117.5°	414.2	415.2	415.9	416.0	416.1	416.2	416.4
120°	443.2	444.3	444.9	444.9	444.9	444.9	444.9
122.5°	471.2	472.1	472.5	472.6	472.7	472.9	473.0
125°	510.8	511.0	511.4	511.6	511.9	512.2	512.5
127.5°	551.1	551.5	551.5	551.3	551.1	550.7	550.5
130°	575.4	575.9	576.1	575.8	575.5	575.2	574.9
132.5°	598.3	598.8	598.9	598.6	598.2	597.8	597.4
135°	632.9	633.3	633.3	632.9	632.5	632.1	631.7
137.5°	664.1	664.9	665.0	664.8	664.5	664.2	663.9
140°	683.7	684.3	684.4	684.1	683.9	683.5	683.3
142.5°	702.2	702.7	702.7	702.3	701.9	701.6	701.2
145°	728.1	728.4	728.6	728.6	728.6	728.6	728.6
147.5°	751.5	751.7	751.5	750.9	750.2	749.6	748.9
150°	765.7	766.0	766.0	765.5	765.1	764.7	764.3
152.5°	778.6	779.2	779.1	778.4	777.8	777.1	776.5
155°	796.3	797.0	797.0	796.1	795.2	794.4	793.5
157.5°	811.6	812.5	812.4	811.3	810.2	809.1	808.0
160°	820.4	821.2	821.1	820.1	819.1	818.2	817.2
162.5°	828.3	829.2	829.3	828.4	827.5	826.7	825.8
165°	839.0	840.2	840.2	839.3	838.2	837.2	836.3
167.5°	847.2	848.3	848.3	847.2	846.0	844.9	843.8
170°	851.7	852.9	852.9	851.7	850.6	849.5	848.4
172.5°	854.8	856.0	855.9	854.7	853.5	852.2	850.9
175°	858.3	859.3	859.2	858.2	857.0	855.9	854.8
177.5°	859.7	860.5	860.5	859.3	858.2	857.0	855.9
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9

(END OF REPORT)