

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: P332431

Luminaire Tested: **S123RDIW-S775D460U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332431
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: S123RDIW-S775D460U835-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 460 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

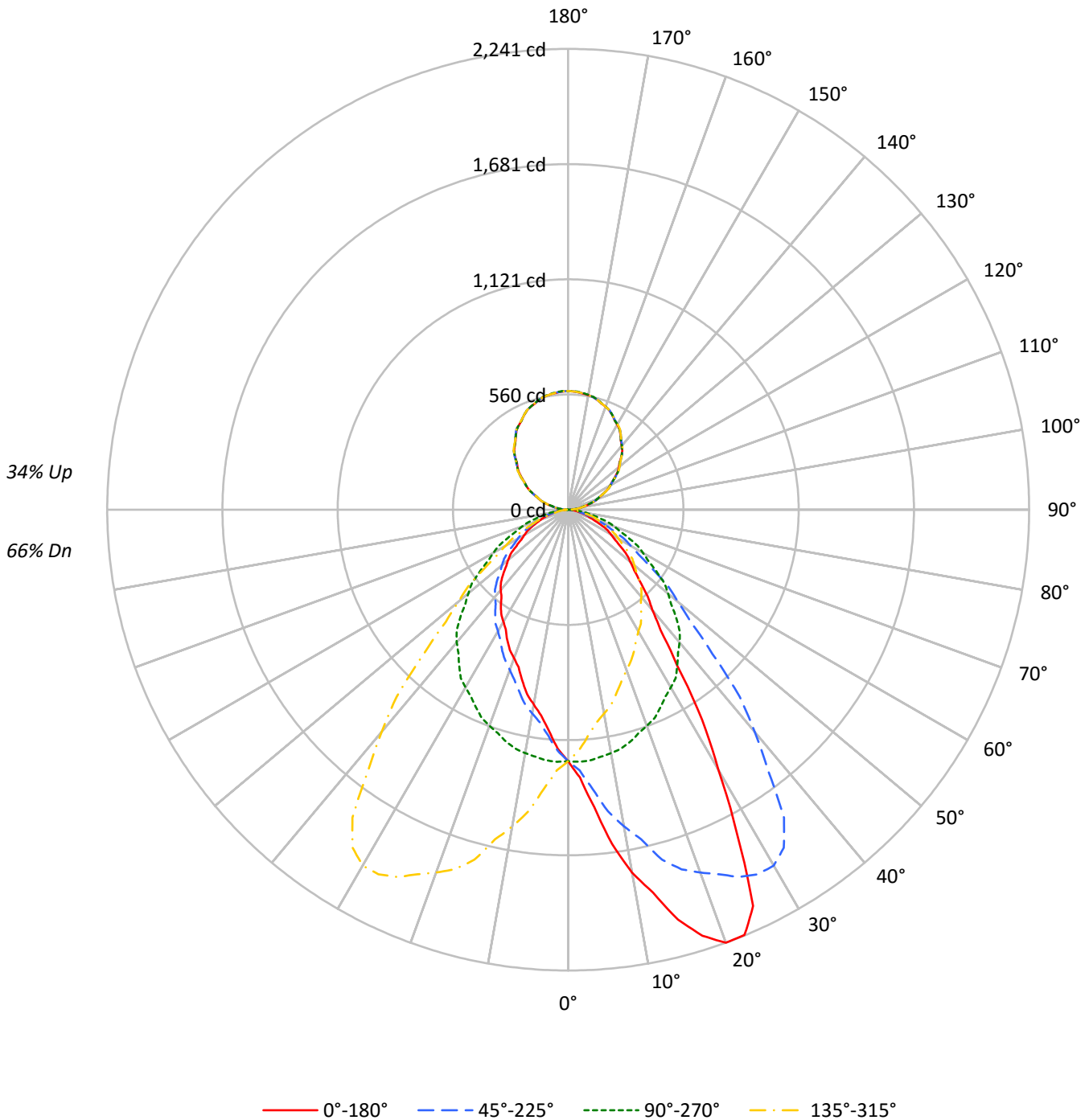
Lumens per Lamp: N/A
Luminaire Lumens: 4645.2 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 37.7
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	66
1	102	98	94	91	96	92	89	86	82	79	77	72	71	69	63	62	61	57
2	94	86	81	76	88	82	76	72	73	69	65	64	61	59	57	55	53	49
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	51	48	46	42
4	79	68	61	55	74	65	58	53	58	53	48	52	48	44	46	43	40	37
5	73	61	53	48	68	58	51	46	52	47	42	47	42	39	42	38	35	32
6	67	55	47	42	63	53	45	40	48	42	37	43	38	34	38	34	31	29
7	63	50	42	37	59	48	41	36	43	37	33	39	34	31	35	31	28	26
8	58	46	38	33	55	44	37	32	40	34	30	36	31	28	32	28	25	23
9	54	42	35	30	51	40	33	29	37	31	27	33	28	25	30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13164	13164	13164	13164
5°	15692	13220	11642	13220
10°	19593	13144	10518	13144
15°	22998	13010	9591	13010
20°	25668	12810	8804	12810
25°	25258	12598	8320	12598
30°	18155	12403	7822	12403
35°	12122	12150	7499	12150
40°	8931	11844	7165	11844
45°	7491	11309	6838	11309
50°	6611	10608	6382	10608
55°	5797	9805	5758	9805
60°	5162	9040	5274	9040
65°	4534	8214	4908	8214
70°	3559	7481	4482	7481
75°	3136	6534	4092	6534
80°	2727	5548	4023	5548
85°	2198	4458	4273	4458



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	2.6
10°-20°	375.7	8.1
20°-30°	590.3	12.7
30°-40°	615.9	13.3
40°-50°	527.1	11.3
50°-60°	401.7	8.6
60°-70°	257.5	5.5
70°-80°	123.9	2.7
80°-90°	34.5	0.7
90°-100°	37.6	0.8
100°-110°	112.5	2.4
110°-120°	191.3	4.1
120°-130°	251.7	5.4
130°-140°	282.9	6.1
140°-150°	278.0	6.0
150°-160°	234.1	5.0
160°-170°	155.8	3.4
170°-180°	54.6	1.2
0°-30°	1086.3	23.4
0°-40°	1702.2	36.6
0°-60°	2631.0	56.6
0°-90°	3046.8	65.6
90°-120°	341.4	7.3
90°-150°	1153.9	24.8
90°-180°	1598.0	34.4
0°-180°	4645.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1223	1223	1223	1223	1223	
5°	1452	1224	1078	1224	1452	150
15°	2064	1168	861	1168	2064	585
25°	2127	1061	700	1061	2127	914
35°	922	925	571	925	922	605
45°	492	743	449	743	492	387
55°	309	522	307	522	309	279
65°	178	322	193	322	178	175
75°	75	157	98	157	75	81
85°	18	36	35	36	18	21
90°	14	0	14	0	14	7
95°	35	27	35	27	35	36
105°	108	102	108	102	108	114
115°	193	193	193	193	193	191
125°	279	282	279	282	279	249
135°	365	366	365	366	365	281
145°	444	444	444	444	444	277
155°	507	508	507	508	507	233
165°	552	553	552	553	552	156
175°	573	576	573	576	573	54
180°	577	577	577	577	577	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1302.6	1304.3	1298.8	1298.0	1291.7	1290.0	1290.0	1281.2	1275.8	1268.7	1264.5
5°	1452.3	1460.7	1456.5	1447.1	1431.4	1427.7	1417.8	1402.1	1384.3	1362.3	1351.8
7.5°	1639.3	1650.8	1646.4	1631.8	1615.4	1602.1	1574.0	1547.9	1511.4	1479.3	1451.9
10°	1792.6	1780.6	1771.2	1757.0	1741.9	1717.2	1687.9	1647.6	1601.0	1564.4	1523.5
12.5°	1907.4	1905.4	1893.5	1878.9	1857.5	1834.1	1798.1	1749.0	1694.8	1641.9	1595.2
15°	2063.8	2067.0	2059.1	2043.9	2013.6	1972.2	1917.8	1897.3	1819.9	1762.3	1704.7
17.5°	2172.1	2171.5	2170.4	2149.4	2118.4	2089.0	2038.5	1984.8	1914.6	1833.5	1755.9
20°	2240.8	2235.6	2236.6	2213.0	2190.0	2156.0	2106.8	2028.8	1971.2	1877.5	1797.3
22.5°	2239.1	2238.1	2242.1	2234.0	2217.2	2191.2	2152.4	2086.6	2013.1	1918.5	1828.3
25°	2126.7	2122.5	2147.1	2153.9	2180.6	2185.3	2173.8	2137.7	2068.0	1970.6	1859.1
27.5°	1779.9	1777.6	1823.2	1880.4	1952.8	2009.2	2063.6	2089.9	2068.0	1998.3	1886.6
30°	1460.7	1509.9	1533.0	1615.7	1707.8	1817.8	1914.1	2005.7	2028.2	1997.9	1906.2
32.5°	1212.8	1255.7	1274.9	1345.9	1431.8	1560.6	1705.1	1834.8	1926.5	1949.7	1894.5
35°	922.5	923.0	967.0	998.4	1078.0	1210.4	1350.8	1524.6	1697.3	1828.2	1841.8
37.5°	736.1	738.7	765.3	796.6	856.3	926.4	1049.9	1194.4	1394.0	1594.9	1712.7
40°	635.6	640.3	660.2	691.1	734.0	786.9	883.2	1019.4	1185.8	1409.4	1592.1
42.5°	571.1	578.7	589.0	612.8	639.4	688.9	766.8	871.9	1023.3	1234.7	1445.5
45°	492.1	496.3	504.2	515.2	539.3	573.8	626.2	696.8	822.5	992.7	1203.6
47.5°	434.1	431.9	440.2	449.1	465.1	488.7	523.8	581.5	671.1	807.6	986.6
50°	394.8	394.2	400.0	406.8	422.0	439.3	468.1	511.5	582.7	695.8	859.7
52.5°	357.9	359.9	364.0	372.5	383.4	397.4	423.2	454.5	515.7	613.3	749.9
55°	308.9	310.5	316.2	320.9	328.8	342.9	359.2	385.3	427.2	495.3	607.8
57.5°	267.4	266.7	272.2	273.4	282.3	293.8	306.4	326.7	357.1	407.6	483.4
60°	239.8	238.2	242.9	246.6	251.3	260.7	271.2	291.1	315.2	352.3	417.3
62.5°	214.7	213.9	217.4	221.0	224.9	233.5	242.3	257.6	276.6	308.0	359.5
65°	178.0	179.6	181.1	182.7	184.8	190.0	198.4	208.9	222.0	244.0	281.1
67.5°	139.9	141.5	142.0	145.2	149.7	153.0	158.1	167.4	176.5	195.1	216.2
70°	113.1	112.6	113.1	114.7	120.4	126.2	133.0	139.8	145.5	158.6	176.4
72.5°	97.2	96.2	97.6	97.9	100.7	102.3	106.6	113.0	120.4	129.3	142.1
75°	75.4	75.4	75.4	75.4	77.5	78.5	80.1	81.7	84.3	88.5	97.9
77.5°	55.7	55.8	56.5	57.1	57.5	58.1	59.1	60.6	61.6	63.8	67.9
80°	44.0	44.5	44.0	44.5	44.5	45.5	46.1	47.6	48.2	50.8	52.4
82.5°	33.1	32.8	33.1	33.6	33.6	34.7	34.8	35.9	36.0	37.4	39.0
85°	17.8	16.8	17.8	17.3	18.3	17.3	17.8	18.8	18.8	19.4	21.5
87.5°	6.9	7.7	6.8	7.2	7.2	7.5	7.4	7.4	8.1	7.6	7.8
90°	13.6	13.4	13.2	13.0	12.8	12.5	12.1	11.7	11.3	10.9	9.6
92.5°	18.3	18.4	18.5	18.7	18.8	18.7	18.4	18.0	17.7	17.4	16.7
95°	35.3	35.3	35.3	35.3	35.3	35.1	34.7	34.3	33.9	33.5	32.7
97.5°	54.4	54.4	54.5	54.5	54.5	54.3	53.9	53.4	52.9	52.5	51.9
100°	68.9	68.7	68.5	68.3	68.1	67.8	67.5	67.2	66.9	66.6	66.1
102.5°	83.7	83.8	83.8	83.9	83.9	83.8	83.5	83.2	82.9	82.6	81.9
105°	107.9	107.7	107.5	107.3	107.0	106.9	106.9	106.9	106.9	106.9	106.0
107.5°	133.0	133.1	133.2	133.3	133.4	133.3	133.0	132.7	132.4	132.1	131.7
110°	150.0	150.2	150.4	150.6	150.8	150.7	150.3	149.9	149.5	149.1	148.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	168.1	168.2	168.2	168.2	168.3	168.1	167.6	167.1	166.6	166.1	166.1
115°	193.1	193.2	193.3	193.4	193.5	193.5	193.4	193.3	193.2	193.1	193.3
117.5°	218.3	218.6	218.9	219.2	219.5	219.6	219.6	219.7	219.7	219.7	220.0
120°	236.1	236.3	236.5	236.7	236.9	237.1	237.2	237.3	237.4	237.5	238.0
122.5°	253.1	253.4	253.7	254.0	254.3	254.5	254.8	255.1	255.3	255.6	255.9
125°	278.7	279.1	279.5	279.9	280.3	280.7	281.1	281.5	281.9	282.3	282.5
127.5°	304.2	304.6	305.1	305.6	306.0	306.5	307.1	307.7	308.2	308.8	309.0
130°	320.8	321.6	322.3	323.0	323.7	324.2	324.6	325.0	325.4	325.8	326.1
132.5°	338.2	338.8	339.3	339.9	340.4	340.9	341.4	341.9	342.4	342.9	343.1
135°	365.3	365.5	365.7	365.9	366.1	366.4	366.8	367.2	367.6	368.0	368.1
137.5°	389.1	389.5	389.9	390.2	390.6	391.0	391.5	391.9	392.3	392.7	392.5
140°	404.7	405.4	406.1	406.8	407.5	407.9	408.0	408.1	408.2	408.3	408.2
142.5°	420.6	421.2	421.7	422.3	422.8	423.1	423.2	423.3	423.4	423.5	423.4
145°	443.7	444.1	444.5	444.9	445.3	445.5	445.6	445.7	445.8	445.9	445.6
147.5°	464.1	464.7	465.3	466.0	466.6	466.9	466.9	466.9	466.9	466.9	466.6
150°	477.2	477.8	478.4	479.0	479.6	479.9	479.9	479.9	479.9	479.9	479.7
152.5°	489.9	490.4	490.9	491.5	492.0	492.2	492.0	491.8	491.7	491.5	491.4
155°	507.1	507.8	508.5	509.2	509.9	510.1	509.7	509.3	508.9	508.5	508.4
157.5°	522.8	523.3	523.9	524.5	525.0	525.1	524.7	524.3	523.8	523.4	523.3
160°	532.9	533.3	533.7	534.1	534.5	534.5	534.0	533.5	533.0	532.5	532.5
162.5°	540.5	541.2	541.8	542.5	543.1	543.2	542.7	542.2	541.7	541.2	541.1
165°	551.5	552.2	552.9	553.6	554.3	554.4	553.8	553.2	552.6	552.0	552.0
167.5°	560.8	561.5	562.1	562.7	563.3	563.3	562.7	562.1	561.5	560.8	560.8
170°	565.6	566.3	567.0	567.7	568.4	568.4	567.7	567.0	566.3	565.6	565.6
172.5°	569.2	569.9	570.6	571.3	572.0	572.0	571.4	570.8	570.2	569.5	569.5
175°	573.3	574.0	574.7	575.4	576.1	576.1	575.5	574.9	574.3	573.7	573.7
177.5°	575.4	576.0	576.6	577.1	577.7	577.7	577.3	576.8	576.3	575.8	575.8
180°	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1262.8	1261.5	1255.7	1249.0	1240.2	1234.3	1229.7	1227.2	1219.7	1210.4	1204.2
5°	1340.8	1325.1	1308.4	1287.9	1269.1	1249.7	1237.7	1223.5	1206.3	1186.9	1173.3
7.5°	1424.4	1393.6	1360.4	1326.2	1292.3	1262.0	1235.2	1212.2	1184.7	1156.9	1137.5
10°	1488.5	1443.4	1396.8	1349.2	1305.7	1264.9	1233.5	1202.6	1169.6	1137.7	1113.6
12.5°	1546.7	1487.4	1433.7	1375.2	1319.6	1270.8	1225.5	1189.2	1149.5	1115.5	1088.0
15°	1620.4	1559.7	1494.7	1405.7	1331.9	1270.1	1215.2	1167.5	1119.4	1077.5	1050.8
17.5°	1689.3	1597.9	1510.7	1436.4	1340.5	1263.3	1196.2	1139.2	1086.4	1042.0	1009.1
20°	1717.8	1629.3	1534.5	1439.8	1345.5	1259.1	1181.1	1118.3	1063.3	1013.1	982.7
22.5°	1734.9	1634.7	1534.9	1433.1	1333.0	1243.2	1166.1	1096.9	1037.4	989.6	952.1
25°	1754.9	1635.6	1525.6	1425.1	1323.0	1225.6	1134.0	1060.7	996.3	945.5	905.7
27.5°	1768.1	1627.7	1497.8	1386.0	1282.5	1185.5	1101.5	1023.9	958.5	904.8	862.1
30°	1770.6	1621.4	1476.4	1355.5	1250.2	1161.2	1072.2	997.9	928.8	871.7	831.9
32.5°	1774.0	1605.9	1447.5	1319.0	1211.3	1123.1	1042.5	971.5	900.7	844.5	803.9
35°	1760.2	1597.4	1403.6	1256.0	1148.1	1062.8	990.0	924.6	855.0	800.5	759.1
37.5°	1700.7	1563.3	1358.2	1185.0	1072.2	993.2	933.9	876.8	813.0	754.2	715.3
40°	1640.8	1529.8	1323.0	1141.9	1024.1	942.9	889.5	842.9	781.1	726.2	684.3
42.5°	1551.6	1484.2	1289.5	1096.6	969.6	891.4	846.4	802.7	748.5	692.7	653.3
45°	1387.9	1396.8	1220.9	1024.6	894.2	815.7	773.3	742.9	694.8	648.7	608.4
47.5°	1182.7	1265.9	1140.4	947.8	814.7	741.0	704.0	677.5	645.0	599.8	563.0
50°	1048.7	1167.5	1075.9	896.3	764.9	691.6	655.0	633.5	605.2	569.6	534.5
52.5°	925.1	1052.8	998.0	838.9	710.9	643.9	608.1	590.4	567.9	534.4	502.7
55°	754.4	883.8	871.2	752.3	629.8	569.6	542.4	522.5	507.3	482.2	457.1
57.5°	610.3	732.9	739.4	656.0	558.4	498.9	475.5	460.5	450.6	431.6	408.4
60°	519.4	631.9	653.9	591.1	507.3	455.0	431.9	419.9	412.0	396.9	379.1
62.5°	444.0	539.8	564.7	519.5	458.3	409.3	391.3	379.7	374.3	361.2	345.5
65°	339.8	419.4	443.4	418.3	386.4	347.1	332.5	322.5	317.8	310.5	298.9
67.5°	255.5	313.5	339.9	322.2	310.7	285.9	276.5	271.2	267.0	262.0	252.4
70°	205.2	248.2	275.4	270.7	261.3	248.2	241.4	237.7	233.5	229.3	220.9
72.5°	165.0	194.6	220.1	222.5	214.8	212.1	206.2	204.6	202.1	197.1	192.5
75°	109.4	129.8	147.6	154.4	157.6	160.2	157.6	157.1	156.5	152.4	149.7
77.5°	71.7	82.7	93.9	105.5	110.5	114.0	114.9	116.8	115.4	113.2	111.9
80°	55.0	57.6	65.4	75.4	83.2	86.4	88.5	89.5	89.0	88.5	86.4
82.5°	39.9	42.1	45.8	52.8	59.4	64.6	65.9	65.7	66.8	67.1	65.4
85°	21.5	22.0	23.0	24.1	27.7	33.5	35.1	36.1	37.2	37.2	34.0
87.5°	8.4	7.7	8.2	8.0	9.1	9.3	11.6	13.5	14.1	12.6	12.8
90°	8.3	6.9	5.6	4.5	3.5	2.5	1.5	0.5	1.5	2.5	3.5
92.5°	15.9	15.2	14.4	13.7	13.0	12.3	11.7	11.0	11.7	12.3	13.0
95°	31.9	31.1	30.3	29.6	28.9	28.1	27.4	26.7	27.4	28.1	28.9
97.5°	51.3	50.7	50.1	49.6	49.1	48.5	48.0	47.5	48.0	48.5	49.1
100°	65.6	65.1	64.6	64.0	63.4	62.8	62.2	61.6	62.2	62.8	63.4
102.5°	81.2	80.6	79.9	79.4	79.0	78.7	78.3	77.9	78.3	78.7	79.0
105°	105.1	104.2	103.3	102.8	102.6	102.4	102.2	102.0	102.2	102.4	102.6
107.5°	131.3	131.0	130.6	130.4	130.2	130.1	130.0	129.9	130.0	130.1	130.2
110°	148.7	148.5	148.3	148.1	147.9	147.7	147.5	147.3	147.5	147.7	147.9



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	166.1	166.0	166.0	165.9	165.8	165.7	165.5	165.4	165.5	165.7	165.8
115°	193.5	193.7	193.9	193.8	193.5	193.2	192.9	192.6	192.9	193.2	193.5
117.5°	220.2	220.5	220.7	220.8	220.6	220.4	220.2	220.0	220.2	220.4	220.6
120°	238.5	239.0	239.5	239.4	238.8	238.2	237.6	237.0	237.6	238.2	238.8
122.5°	256.1	256.4	256.6	256.5	256.1	255.7	255.2	254.8	255.2	255.7	256.1
125°	282.7	282.9	283.1	283.1	282.8	282.5	282.2	281.9	282.2	282.5	282.8
127.5°	309.2	309.5	309.7	309.5	308.8	308.2	307.5	306.9	307.5	308.2	308.8
130°	326.4	326.7	327.0	326.8	326.0	325.2	324.4	323.6	324.4	325.2	326.0
132.5°	343.3	343.5	343.8	343.5	342.7	341.9	341.0	340.2	341.0	341.9	342.7
135°	368.2	368.3	368.4	368.1	367.5	366.9	366.3	365.7	366.3	366.9	367.5
137.5°	392.2	391.9	391.7	391.3	390.8	390.3	389.8	389.3	389.8	390.3	390.8
140°	408.1	408.0	407.9	407.6	407.1	406.6	406.1	405.6	406.1	406.6	407.1
142.5°	423.2	423.0	422.8	422.5	422.0	421.5	421.0	420.5	421.0	421.5	422.0
145°	445.3	445.0	444.7	444.5	444.3	444.1	443.9	443.7	443.9	444.1	444.3
147.5°	466.3	466.0	465.7	465.4	465.0	464.7	464.3	464.0	464.3	464.7	465.0
150°	479.5	479.3	479.1	478.9	478.7	478.5	478.3	478.1	478.3	478.5	478.7
152.5°	491.3	491.1	491.0	490.8	490.5	490.3	490.0	489.7	490.0	490.3	490.5
155°	508.3	508.2	508.1	508.0	508.0	508.0	508.0	508.0	508.0	508.0	508.0
157.5°	523.3	523.2	523.1	523.1	523.2	523.4	523.5	523.6	523.5	523.4	523.2
160°	532.5	532.5	532.5	532.6	532.8	533.0	533.2	533.4	533.2	533.0	532.8
162.5°	541.0	540.9	540.9	541.0	541.2	541.5	541.8	542.1	541.8	541.5	541.2
165°	552.0	552.0	552.0	552.1	552.4	552.7	553.0	553.3	553.0	552.7	552.4
167.5°	560.7	560.6	560.5	560.7	561.1	561.5	561.9	562.3	561.9	561.5	561.1
170°	565.6	565.6	565.6	565.8	566.2	566.6	567.0	567.4	567.0	566.6	566.2
172.5°	569.5	569.5	569.5	569.7	570.2	570.6	571.0	571.4	571.0	570.6	570.2
175°	573.7	573.7	573.7	573.9	574.3	574.7	575.1	575.5	575.1	574.7	574.3
177.5°	575.8	575.8	575.8	576.0	576.3	576.6	576.9	577.3	576.9	576.6	576.3
180°	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1202.1	1196.6	1192.9	1184.5	1179.0	1173.2	1167.3	1171.1	1170.7	1170.2	1170.2
5°	1161.8	1149.7	1138.7	1124.6	1115.7	1104.7	1096.3	1095.3	1097.4	1090.0	1085.8
7.5°	1121.8	1105.3	1089.7	1074.1	1057.6	1044.4	1036.1	1032.2	1026.9	1022.4	1017.7
10°	1093.7	1074.3	1059.1	1039.8	1022.0	1006.3	996.3	989.5	985.8	982.2	975.4
12.5°	1064.8	1045.8	1026.5	1004.6	987.6	969.4	962.0	954.3	947.3	943.2	933.9
15°	1022.5	997.9	977.5	954.4	935.6	917.8	907.3	892.1	890.0	884.8	875.4
17.5°	980.1	953.4	925.2	908.2	886.9	868.4	852.4	847.3	832.3	826.7	818.5
20°	946.6	922.0	900.5	878.0	847.1	829.8	817.3	810.5	798.4	791.1	785.8
22.5°	917.7	892.7	867.8	841.6	816.1	796.7	787.5	776.9	770.4	760.1	754.4
25°	876.4	849.2	819.4	791.1	772.8	758.1	743.4	734.0	724.6	719.9	709.4
27.5°	828.5	800.0	772.1	750.7	728.2	713.7	700.4	692.0	680.7	672.8	667.0
30°	802.1	768.6	744.5	725.1	696.3	682.7	672.8	662.3	653.9	645.5	639.8
32.5°	771.5	740.9	718.1	694.1	672.0	657.2	644.3	635.1	627.9	620.0	614.2
35°	723.5	697.9	674.3	650.2	634.0	618.8	603.7	595.8	589.0	581.7	576.4
37.5°	680.2	656.2	633.8	611.0	590.9	578.5	566.3	560.3	551.1	546.2	540.8
40°	653.4	629.8	605.7	583.8	562.8	553.4	542.4	533.5	525.1	521.5	515.7
42.5°	624.1	600.5	580.2	556.5	539.4	526.6	516.4	506.7	500.4	495.1	491.8
45°	580.6	559.7	539.8	516.2	500.0	489.0	477.5	468.6	462.8	459.2	453.4
47.5°	538.4	517.5	497.3	476.7	461.0	448.5	437.0	430.8	423.1	418.6	414.8
50°	507.8	489.0	467.5	448.7	433.0	420.4	411.0	403.1	396.3	390.6	388.0
52.5°	479.8	459.7	441.1	423.6	407.0	392.8	384.2	375.9	370.8	364.2	361.1
55°	433.5	414.1	398.4	381.1	364.9	352.9	342.4	335.1	329.8	322.5	318.3
57.5°	390.0	372.7	353.9	338.9	322.2	312.0	303.3	293.4	287.0	281.3	277.2
60°	360.7	340.8	324.6	310.5	295.8	282.7	274.9	267.0	260.2	254.4	250.8
62.5°	330.2	312.8	297.4	282.0	268.6	257.2	248.1	241.5	235.5	231.8	228.2
65°	283.2	269.6	253.9	241.4	228.8	220.4	213.1	207.3	203.1	200.5	197.4
67.5°	240.1	226.9	213.2	200.8	192.5	186.1	181.3	176.3	174.2	170.9	168.8
70°	212.0	198.4	186.4	177.0	168.6	163.9	160.7	157.1	155.0	150.8	148.7
72.5°	181.5	171.6	162.9	155.2	148.5	144.2	140.2	135.7	132.4	127.7	125.7
75°	142.9	134.0	127.2	122.0	117.8	112.0	106.3	101.6	100.0	98.4	97.9
77.5°	105.9	100.2	95.3	90.9	85.7	81.5	80.2	79.2	78.8	78.0	78.0
80°	83.2	78.0	74.3	69.1	66.0	66.0	66.0	64.9	65.4	65.4	65.4
82.5°	61.9	57.1	55.1	53.2	52.6	53.0	53.0	53.2	52.9	53.7	53.3
85°	31.9	32.5	33.5	33.0	33.5	33.5	34.6	34.0	34.6	33.5	34.6
87.5°	12.6	14.1	14.8	15.5	16.2	16.0	16.5	16.6	17.1	17.2	17.2
90°	4.5	5.6	6.9	8.3	9.6	10.9	11.3	11.7	12.1	12.5	12.8
92.5°	13.7	14.4	15.2	15.9	16.7	17.4	17.7	18.0	18.4	18.7	18.8
95°	29.6	30.3	31.1	31.9	32.7	33.5	33.9	34.3	34.7	35.1	35.3
97.5°	49.6	50.1	50.7	51.3	51.9	52.5	52.9	53.4	53.9	54.3	54.5
100°	64.0	64.6	65.1	65.6	66.1	66.6	66.9	67.2	67.5	67.8	68.1
102.5°	79.4	79.9	80.6	81.2	81.9	82.6	82.9	83.2	83.5	83.8	83.9
105°	102.8	103.3	104.2	105.1	106.0	106.9	106.9	106.9	106.9	106.9	107.0
107.5°	130.4	130.6	131.0	131.3	131.7	132.1	132.4	132.7	133.0	133.3	133.4
110°	148.1	148.3	148.5	148.7	148.9	149.1	149.5	149.9	150.3	150.7	150.8



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	165.9	166.0	166.0	166.1	166.1	166.1	166.6	167.1	167.6	168.1	168.3
115°	193.8	193.9	193.7	193.5	193.3	193.1	193.2	193.3	193.4	193.5	193.5
117.5°	220.8	220.7	220.5	220.2	220.0	219.7	219.7	219.7	219.6	219.6	219.5
120°	239.4	239.5	239.0	238.5	238.0	237.5	237.4	237.3	237.2	237.1	236.9
122.5°	256.5	256.6	256.4	256.1	255.9	255.6	255.3	255.1	254.8	254.5	254.3
125°	283.1	283.1	282.9	282.7	282.5	282.3	281.9	281.5	281.1	280.7	280.3
127.5°	309.5	309.7	309.5	309.2	309.0	308.8	308.2	307.7	307.1	306.5	306.0
130°	326.8	327.0	326.7	326.4	326.1	325.8	325.4	325.0	324.6	324.2	323.7
132.5°	343.5	343.8	343.5	343.3	343.1	342.9	342.4	341.9	341.4	340.9	340.4
135°	368.1	368.4	368.3	368.2	368.1	368.0	367.6	367.2	366.8	366.4	366.1
137.5°	391.3	391.7	391.9	392.2	392.5	392.7	392.3	391.9	391.5	391.0	390.6
140°	407.6	407.9	408.0	408.1	408.2	408.3	408.2	408.1	408.0	407.9	407.5
142.5°	422.5	422.8	423.0	423.2	423.4	423.5	423.4	423.3	423.2	423.1	422.8
145°	444.5	444.7	445.0	445.3	445.6	445.9	445.8	445.7	445.6	445.5	445.3
147.5°	465.4	465.7	466.0	466.3	466.6	466.9	466.9	466.9	466.9	466.9	466.6
150°	478.9	479.1	479.3	479.5	479.7	479.9	479.9	479.9	479.9	479.9	479.6
152.5°	490.8	491.0	491.1	491.3	491.4	491.5	491.7	491.8	492.0	492.2	492.0
155°	508.0	508.1	508.2	508.3	508.4	508.5	508.9	509.3	509.7	510.1	509.9
157.5°	523.1	523.1	523.2	523.3	523.3	523.4	523.8	524.3	524.7	525.1	525.0
160°	532.6	532.5	532.5	532.5	532.5	532.5	533.0	533.5	534.0	534.5	534.5
162.5°	541.0	540.9	540.9	541.0	541.1	541.2	541.7	542.2	542.7	543.2	543.1
165°	552.1	552.0	552.0	552.0	552.0	552.0	552.6	553.2	553.8	554.4	554.3
167.5°	560.7	560.5	560.6	560.7	560.8	560.8	561.5	562.1	562.7	563.3	563.3
170°	565.8	565.6	565.6	565.6	565.6	565.6	566.3	567.0	567.7	568.4	568.4
172.5°	569.7	569.5	569.5	569.5	569.5	569.5	570.2	570.8	571.4	572.0	572.0
175°	573.9	573.7	573.7	573.7	573.7	573.7	574.3	574.9	575.5	576.1	576.1
177.5°	576.0	575.8	575.8	575.8	575.8	575.8	576.3	576.8	577.3	577.7	577.7
180°	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1165.2	1164.8	1165.2	1163.5	1165.2	1164.8	1165.2	1170.2	1170.2	1170.7	1171.1
5°	1084.3	1083.7	1082.2	1077.5	1082.2	1083.7	1084.3	1085.8	1090.0	1097.4	1095.3
7.5°	1013.6	1012.9	1008.3	1008.4	1008.3	1012.9	1013.6	1017.7	1022.4	1026.9	1032.2
10°	971.7	972.2	966.0	962.3	966.0	972.2	971.7	975.4	982.2	985.8	989.5
12.5°	931.1	928.7	923.6	919.6	923.6	928.7	931.1	933.9	943.2	947.3	954.3
15°	877.5	872.2	859.7	860.7	859.7	872.2	877.5	875.4	884.8	890.0	892.1
17.5°	814.3	810.5	810.2	802.9	810.2	810.5	814.3	818.5	826.7	832.3	847.3
20°	777.5	774.9	775.9	768.6	775.9	774.9	777.5	785.8	791.1	798.4	810.5
22.5°	748.6	746.0	741.6	739.3	741.6	746.0	748.6	754.4	760.1	770.4	776.9
25°	706.3	702.1	697.9	700.5	697.9	702.1	706.3	709.4	719.9	724.6	734.0
27.5°	664.0	660.8	656.6	656.1	656.6	660.8	664.0	667.0	672.8	680.7	692.0
30°	637.2	634.0	631.9	629.3	631.9	634.0	637.2	639.8	645.5	653.9	662.3
32.5°	609.9	609.3	605.5	605.0	605.5	609.3	609.9	614.2	620.0	627.9	635.1
35°	574.3	571.2	570.1	570.7	570.1	571.2	574.3	576.4	581.7	589.0	595.8
37.5°	540.5	536.3	534.4	532.6	534.4	536.3	540.5	540.8	546.2	551.1	560.3
40°	516.2	512.0	511.0	509.9	511.0	512.0	516.2	515.7	521.5	525.1	533.5
42.5°	489.0	487.3	486.7	484.8	486.7	487.3	489.0	491.8	495.1	500.4	506.7
45°	451.8	451.3	448.2	449.2	448.2	451.3	451.8	453.4	459.2	462.8	468.6
47.5°	412.7	410.4	408.2	409.6	408.2	410.4	412.7	414.8	418.6	423.1	430.8
50°	385.9	384.8	380.1	381.1	380.1	384.8	385.9	388.0	390.6	396.3	403.1
52.5°	359.1	355.1	353.3	352.7	353.3	355.1	359.1	361.1	364.2	370.8	375.9
55°	314.7	309.9	307.8	306.8	307.8	309.9	314.7	318.3	322.5	329.8	335.1
57.5°	271.1	269.8	268.2	269.3	268.2	269.8	271.1	277.2	281.3	287.0	293.4
60°	245.5	245.5	245.5	245.0	245.5	245.5	245.5	250.8	254.4	260.2	267.0
62.5°	225.9	224.6	224.2	224.9	224.2	224.6	225.9	228.2	231.8	235.5	241.5
65°	195.8	195.3	193.2	192.7	193.2	195.3	195.8	197.4	200.5	203.1	207.3
67.5°	167.4	165.5	164.9	164.2	164.9	165.5	167.4	168.8	170.9	174.2	176.3
70°	146.1	145.0	141.9	142.4	141.9	145.0	146.1	148.7	150.8	155.0	157.1
72.5°	123.0	122.0	121.4	120.6	121.4	122.0	123.0	125.7	127.7	132.4	135.7
75°	97.4	96.9	96.3	98.4	96.3	96.9	97.4	97.9	98.4	100.0	101.6
77.5°	78.0	78.0	78.3	77.5	78.3	78.0	78.0	78.0	78.0	78.8	79.2
80°	65.4	65.4	64.9	64.9	64.9	65.4	65.4	65.4	65.4	65.4	64.9
82.5°	52.5	52.9	53.2	52.4	53.2	52.9	52.5	53.3	53.7	52.9	53.2
85°	34.6	34.0	35.1	34.6	35.1	34.0	34.6	34.6	33.5	34.6	34.0
87.5°	18.1	17.3	17.3	17.8	17.3	17.3	18.1	17.2	17.2	17.1	16.6
90°	13.0	13.2	13.4	13.6	13.4	13.2	13.0	12.8	12.5	12.1	11.7
92.5°	18.7	18.5	18.4	18.3	18.4	18.5	18.7	18.8	18.7	18.4	18.0
95°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.1	34.7	34.3
97.5°	54.5	54.5	54.4	54.4	54.4	54.5	54.5	54.5	54.3	53.9	53.4
100°	68.3	68.5	68.7	68.9	68.7	68.5	68.3	68.1	67.8	67.5	67.2
102.5°	83.9	83.8	83.8	83.7	83.8	83.8	83.9	83.9	83.8	83.5	83.2
105°	107.3	107.5	107.7	107.9	107.7	107.5	107.3	107.0	106.9	106.9	106.9
107.5°	133.3	133.2	133.1	133.0	133.1	133.2	133.3	133.4	133.3	133.0	132.7
110°	150.6	150.4	150.2	150.0	150.2	150.4	150.6	150.8	150.7	150.3	149.9



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	168.2	168.2	168.2	168.1	168.2	168.2	168.2	168.3	168.1	167.6	167.1
115°	193.4	193.3	193.2	193.1	193.2	193.3	193.4	193.5	193.5	193.4	193.3
117.5°	219.2	218.9	218.6	218.3	218.6	218.9	219.2	219.5	219.6	219.6	219.7
120°	236.7	236.5	236.3	236.1	236.3	236.5	236.7	236.9	237.1	237.2	237.3
122.5°	254.0	253.7	253.4	253.1	253.4	253.7	254.0	254.3	254.5	254.8	255.1
125°	279.9	279.5	279.1	278.7	279.1	279.5	279.9	280.3	280.7	281.1	281.5
127.5°	305.6	305.1	304.6	304.2	304.6	305.1	305.6	306.0	306.5	307.1	307.7
130°	323.0	322.3	321.6	320.8	321.6	322.3	323.0	323.7	324.2	324.6	325.0
132.5°	339.9	339.3	338.8	338.2	338.8	339.3	339.9	340.4	340.9	341.4	341.9
135°	365.9	365.7	365.5	365.3	365.5	365.7	365.9	366.1	366.4	366.8	367.2
137.5°	390.2	389.9	389.5	389.1	389.5	389.9	390.2	390.6	391.0	391.5	391.9
140°	406.8	406.1	405.4	404.7	405.4	406.1	406.8	407.5	407.9	408.0	408.1
142.5°	422.3	421.7	421.2	420.6	421.2	421.7	422.3	422.8	423.1	423.2	423.3
145°	444.9	444.5	444.1	443.7	444.1	444.5	444.9	445.3	445.5	445.6	445.7
147.5°	466.0	465.3	464.7	464.1	464.7	465.3	466.0	466.6	466.9	466.9	466.9
150°	479.0	478.4	477.8	477.2	477.8	478.4	479.0	479.6	479.9	479.9	479.9
152.5°	491.5	490.9	490.4	489.9	490.4	490.9	491.5	492.0	492.2	492.0	491.8
155°	509.2	508.5	507.8	507.1	507.8	508.5	509.2	509.9	510.1	509.7	509.3
157.5°	524.5	523.9	523.3	522.8	523.3	523.9	524.5	525.0	525.1	524.7	524.3
160°	534.1	533.7	533.3	532.9	533.3	533.7	534.1	534.5	534.5	534.0	533.5
162.5°	542.5	541.8	541.2	540.5	541.2	541.8	542.5	543.1	543.2	542.7	542.2
165°	553.6	552.9	552.2	551.5	552.2	552.9	553.6	554.3	554.4	553.8	553.2
167.5°	562.7	562.1	561.5	560.8	561.5	562.1	562.7	563.3	563.3	562.7	562.1
170°	567.7	567.0	566.3	565.6	566.3	567.0	567.7	568.4	568.4	567.7	567.0
172.5°	571.3	570.6	569.9	569.2	569.9	570.6	571.3	572.0	572.0	571.4	570.8
175°	575.4	574.7	574.0	573.3	574.0	574.7	575.4	576.1	576.1	575.5	574.9
177.5°	577.1	576.6	576.0	575.4	576.0	576.6	577.1	577.7	577.7	577.3	576.8
180°	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1167.3	1173.2	1179.0	1184.5	1192.9	1196.6	1202.1	1204.2	1210.4	1219.7	1227.2
5°	1096.3	1104.7	1115.7	1124.6	1138.7	1149.7	1161.8	1173.3	1186.9	1206.3	1223.5
7.5°	1036.1	1044.4	1057.6	1074.1	1089.7	1105.3	1121.8	1137.5	1156.9	1184.7	1212.2
10°	996.3	1006.3	1022.0	1039.8	1059.1	1074.3	1093.7	1113.6	1137.7	1169.6	1202.6
12.5°	962.0	969.4	987.6	1004.6	1026.5	1045.8	1064.8	1088.0	1115.5	1149.5	1189.2
15°	907.3	917.8	935.6	954.4	977.5	997.9	1022.5	1050.8	1077.5	1119.4	1167.5
17.5°	852.4	868.4	886.9	908.2	925.2	953.4	980.1	1009.1	1042.0	1086.4	1139.2
20°	817.3	829.8	847.1	878.0	900.5	922.0	946.6	982.7	1013.1	1063.3	1118.3
22.5°	787.5	796.7	816.1	841.6	867.8	892.7	917.7	952.1	989.6	1037.4	1096.9
25°	743.4	758.1	772.8	791.1	819.4	849.2	876.4	905.7	945.5	996.3	1060.7
27.5°	700.4	713.7	728.2	750.7	772.1	800.0	828.5	862.1	904.8	958.5	1023.9
30°	672.8	682.7	696.3	725.1	744.5	768.6	802.1	831.9	871.7	928.8	997.9
32.5°	644.3	657.2	672.0	694.1	718.1	740.9	771.5	803.9	844.5	900.7	971.5
35°	603.7	618.8	634.0	650.2	674.3	697.9	723.5	759.1	800.5	855.0	924.6
37.5°	566.3	578.5	590.9	611.0	633.8	656.2	680.2	715.3	754.2	813.0	876.8
40°	542.4	553.4	562.8	583.8	605.7	629.8	653.4	684.3	726.2	781.1	842.9
42.5°	516.4	526.6	539.4	556.5	580.2	600.5	624.1	653.3	692.7	748.5	802.7
45°	477.5	489.0	500.0	516.2	539.8	559.7	580.6	608.4	648.7	694.8	742.9
47.5°	437.0	448.5	461.0	476.7	497.3	517.5	538.4	563.0	599.8	645.0	677.5
50°	411.0	420.4	433.0	448.7	467.5	489.0	507.8	534.5	569.6	605.2	633.5
52.5°	384.2	392.8	407.0	423.6	441.1	459.7	479.8	502.7	534.4	567.9	590.4
55°	342.4	352.9	364.9	381.1	398.4	414.1	433.5	457.1	482.2	507.3	522.5
57.5°	303.3	312.0	322.2	338.9	353.9	372.7	390.0	408.4	431.6	450.6	460.5
60°	274.9	282.7	295.8	310.5	324.6	340.8	360.7	379.1	396.9	412.0	419.9
62.5°	248.1	257.2	268.6	282.0	297.4	312.8	330.2	345.5	361.2	374.3	379.7
65°	213.1	220.4	228.8	241.4	253.9	269.6	283.2	298.9	310.5	317.8	322.5
67.5°	181.3	186.1	192.5	200.8	213.2	226.9	240.1	252.4	262.0	267.0	271.2
70°	160.7	163.9	168.6	177.0	186.4	198.4	212.0	220.9	229.3	233.5	237.7
72.5°	140.2	144.2	148.5	155.2	162.9	171.6	181.5	192.5	197.1	202.1	204.6
75°	106.3	112.0	117.8	122.0	127.2	134.0	142.9	149.7	152.4	156.5	157.1
77.5°	80.2	81.5	85.7	90.9	95.3	100.2	105.9	111.9	113.2	115.4	116.8
80°	66.0	66.0	66.0	69.1	74.3	78.0	83.2	86.4	88.5	89.0	89.5
82.5°	53.0	53.0	52.6	53.2	55.1	57.1	61.9	65.4	67.1	66.8	65.7
85°	34.6	33.5	33.5	33.0	33.5	32.5	31.9	34.0	37.2	37.2	36.1
87.5°	16.5	16.0	16.2	15.5	14.8	14.1	12.6	12.8	12.6	14.1	13.5
90°	11.3	10.9	9.6	8.3	6.9	5.6	4.5	3.5	2.5	1.5	0.5
92.5°	17.7	17.4	16.7	15.9	15.2	14.4	13.7	13.0	12.3	11.7	11.0
95°	33.9	33.5	32.7	31.9	31.1	30.3	29.6	28.9	28.1	27.4	26.7
97.5°	52.9	52.5	51.9	51.3	50.7	50.1	49.6	49.1	48.5	48.0	47.5
100°	66.9	66.6	66.1	65.6	65.1	64.6	64.0	63.4	62.8	62.2	61.6
102.5°	82.9	82.6	81.9	81.2	80.6	79.9	79.4	79.0	78.7	78.3	77.9
105°	106.9	106.9	106.0	105.1	104.2	103.3	102.8	102.6	102.4	102.2	102.0
107.5°	132.4	132.1	131.7	131.3	131.0	130.6	130.4	130.2	130.1	130.0	129.9
110°	149.5	149.1	148.9	148.7	148.5	148.3	148.1	147.9	147.7	147.5	147.3



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	166.6	166.1	166.1	166.1	166.0	166.0	165.9	165.8	165.7	165.5	165.4
115°	193.2	193.1	193.3	193.5	193.7	193.9	193.8	193.5	193.2	192.9	192.6
117.5°	219.7	219.7	220.0	220.2	220.5	220.7	220.8	220.6	220.4	220.2	220.0
120°	237.4	237.5	238.0	238.5	239.0	239.5	239.4	238.8	238.2	237.6	237.0
122.5°	255.3	255.6	255.9	256.1	256.4	256.6	256.5	256.1	255.7	255.2	254.8
125°	281.9	282.3	282.5	282.7	282.9	283.1	283.1	282.8	282.5	282.2	281.9
127.5°	308.2	308.8	309.0	309.2	309.5	309.7	309.5	308.8	308.2	307.5	306.9
130°	325.4	325.8	326.1	326.4	326.7	327.0	326.8	326.0	325.2	324.4	323.6
132.5°	342.4	342.9	343.1	343.3	343.5	343.8	343.5	342.7	341.9	341.0	340.2
135°	367.6	368.0	368.1	368.2	368.3	368.4	368.1	367.5	366.9	366.3	365.7
137.5°	392.3	392.7	392.5	392.2	391.9	391.7	391.3	390.8	390.3	389.8	389.3
140°	408.2	408.3	408.2	408.1	408.0	407.9	407.6	407.1	406.6	406.1	405.6
142.5°	423.4	423.5	423.4	423.2	423.0	422.8	422.5	422.0	421.5	421.0	420.5
145°	445.8	445.9	445.6	445.3	445.0	444.7	444.5	444.3	444.1	443.9	443.7
147.5°	466.9	466.9	466.6	466.3	466.0	465.7	465.4	465.0	464.7	464.3	464.0
150°	479.9	479.9	479.7	479.5	479.3	479.1	478.9	478.7	478.5	478.3	478.1
152.5°	491.7	491.5	491.4	491.3	491.1	491.0	490.8	490.5	490.3	490.0	489.7
155°	508.9	508.5	508.4	508.3	508.2	508.1	508.0	508.0	508.0	508.0	508.0
157.5°	523.8	523.4	523.3	523.3	523.2	523.1	523.1	523.2	523.4	523.5	523.6
160°	533.0	532.5	532.5	532.5	532.5	532.5	532.6	532.8	533.0	533.2	533.4
162.5°	541.7	541.2	541.1	541.0	540.9	540.9	541.0	541.2	541.5	541.8	542.1
165°	552.6	552.0	552.0	552.0	552.0	552.0	552.1	552.4	552.7	553.0	553.3
167.5°	561.5	560.8	560.8	560.7	560.6	560.5	560.7	561.1	561.5	561.9	562.3
170°	566.3	565.6	565.6	565.6	565.6	565.6	565.8	566.2	566.6	567.0	567.4
172.5°	570.2	569.5	569.5	569.5	569.5	569.5	569.7	570.2	570.6	571.0	571.4
175°	574.3	573.7	573.7	573.7	573.7	573.7	573.9	574.3	574.7	575.1	575.5
177.5°	576.3	575.8	575.8	575.8	575.8	575.8	576.0	576.3	576.6	576.9	577.3
180°	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9



TEST NUMBER: P332431

CATALOG NUMBER: S123RDIW-S775D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1229.7	1234.3	1240.2	1249.0	1255.7	1261.5	1262.8	1264.5	1268.7	1275.8	1281.2
5°	1237.7	1249.7	1269.1	1287.9	1308.4	1325.1	1340.8	1351.8	1362.3	1384.3	1402.1
7.5°	1235.2	1262.0	1292.3	1326.2	1360.4	1393.6	1424.4	1451.9	1479.3	1511.4	1547.9
10°	1233.5	1264.9	1305.7	1349.2	1396.8	1443.4	1488.5	1523.5	1564.4	1601.0	1647.6
12.5°	1225.5	1270.8	1319.6	1375.2	1433.7	1487.4	1546.7	1595.2	1641.9	1694.8	1749.0
15°	1215.2	1270.1	1331.9	1405.7	1494.7	1559.7	1620.4	1704.7	1762.3	1819.9	1897.3
17.5°	1196.2	1263.3	1340.5	1436.4	1510.7	1597.9	1689.3	1755.9	1833.5	1914.6	1984.8
20°	1181.1	1259.1	1345.5	1439.8	1534.5	1629.3	1717.8	1797.3	1877.5	1971.2	2028.8
22.5°	1166.1	1243.2	1333.0	1433.1	1534.9	1634.7	1734.9	1828.3	1918.5	2013.1	2086.6
25°	1134.0	1225.6	1323.0	1425.1	1525.6	1635.6	1754.9	1859.1	1970.6	2068.0	2137.7
27.5°	1101.5	1185.5	1282.5	1386.0	1497.8	1627.7	1768.1	1886.6	1998.3	2068.0	2089.9
30°	1072.2	1161.2	1250.2	1355.5	1476.4	1621.4	1770.6	1906.2	1997.9	2028.2	2005.7
32.5°	1042.5	1123.1	1211.3	1319.0	1447.5	1605.9	1774.0	1894.5	1949.7	1926.5	1834.8
35°	990.0	1062.8	1148.1	1256.0	1403.6	1597.4	1760.2	1841.8	1828.2	1697.3	1524.6
37.5°	933.9	993.2	1072.2	1185.0	1358.2	1563.3	1700.7	1712.7	1594.9	1394.0	1194.4
40°	889.5	942.9	1024.1	1141.9	1323.0	1529.8	1640.8	1592.1	1409.4	1185.8	1019.4
42.5°	846.4	891.4	969.6	1096.6	1289.5	1484.2	1551.6	1445.5	1234.7	1023.3	871.9
45°	773.3	815.7	894.2	1024.6	1220.9	1396.8	1387.9	1203.6	992.7	822.5	696.8
47.5°	704.0	741.0	814.7	947.8	1140.4	1265.9	1182.7	986.6	807.6	671.1	581.5
50°	655.0	691.6	764.9	896.3	1075.9	1167.5	1048.7	859.7	695.8	582.7	511.5
52.5°	608.1	643.9	710.9	838.9	998.0	1052.8	925.1	749.9	613.3	515.7	454.5
55°	542.4	569.6	629.8	752.3	871.2	883.8	754.4	607.8	495.3	427.2	385.3
57.5°	475.5	498.9	558.4	656.0	739.4	732.9	610.3	483.4	407.6	357.1	326.7
60°	431.9	455.0	507.3	591.1	653.9	631.9	519.4	417.3	352.3	315.2	291.1
62.5°	391.3	409.3	458.3	519.5	564.7	539.8	444.0	359.5	308.0	276.6	257.6
65°	332.5	347.1	386.4	418.3	443.4	419.4	339.8	281.1	244.0	222.0	208.9
67.5°	276.5	285.9	310.7	322.2	339.9	313.5	255.5	216.2	195.1	176.5	167.4
70°	241.4	248.2	261.3	270.7	275.4	248.2	205.2	176.4	158.6	145.5	139.8
72.5°	206.2	212.1	214.8	222.5	220.1	194.6	165.0	142.1	129.3	120.4	113.0
75°	157.6	160.2	157.6	154.4	147.6	129.8	109.4	97.9	88.5	84.3	81.7
77.5°	114.9	114.0	110.5	105.5	93.9	82.7	71.7	67.9	63.8	61.6	60.6
80°	88.5	86.4	83.2	75.4	65.4	57.6	55.0	52.4	50.8	48.2	47.6
82.5°	65.9	64.6	59.4	52.8	45.8	42.1	39.9	39.0	37.4	36.0	35.9
85°	35.1	33.5	27.7	24.1	23.0	22.0	21.5	21.5	19.4	18.8	18.8
87.5°	11.6	9.3	9.1	8.0	8.2	7.7	8.4	7.8	7.6	8.1	7.4
90°	1.5	2.5	3.5	4.5	5.6	6.9	8.3	9.6	10.9	11.3	11.7
92.5°	11.7	12.3	13.0	13.7	14.4	15.2	15.9	16.7	17.4	17.7	18.0
95°	27.4	28.1	28.9	29.6	30.3	31.1	31.9	32.7	33.5	33.9	34.3
97.5°	48.0	48.5	49.1	49.6	50.1	50.7	51.3	51.9	52.5	52.9	53.4
100°	62.2	62.8	63.4	64.0	64.6	65.1	65.6	66.1	66.6	66.9	67.2
102.5°	78.3	78.7	79.0	79.4	79.9	80.6	81.2	81.9	82.6	82.9	83.2
105°	102.2	102.4	102.6	102.8	103.3	104.2	105.1	106.0	106.9	106.9	106.9
107.5°	130.0	130.1	130.2	130.4	130.6	131.0	131.3	131.7	132.1	132.4	132.7
110°	147.5	147.7	147.9	148.1	148.3	148.5	148.7	148.9	149.1	149.5	149.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	165.5	165.7	165.8	165.9	166.0	166.0	166.1	166.1	166.1	166.6	167.1
115°	192.9	193.2	193.5	193.8	193.9	193.7	193.5	193.3	193.1	193.2	193.3
117.5°	220.2	220.4	220.6	220.8	220.7	220.5	220.2	220.0	219.7	219.7	219.7
120°	237.6	238.2	238.8	239.4	239.5	239.0	238.5	238.0	237.5	237.4	237.3
122.5°	255.2	255.7	256.1	256.5	256.6	256.4	256.1	255.9	255.6	255.3	255.1
125°	282.2	282.5	282.8	283.1	283.1	282.9	282.7	282.5	282.3	281.9	281.5
127.5°	307.5	308.2	308.8	309.5	309.7	309.5	309.2	309.0	308.8	308.2	307.7
130°	324.4	325.2	326.0	326.8	327.0	326.7	326.4	326.1	325.8	325.4	325.0
132.5°	341.0	341.9	342.7	343.5	343.8	343.5	343.3	343.1	342.9	342.4	341.9
135°	366.3	366.9	367.5	368.1	368.4	368.3	368.2	368.1	368.0	367.6	367.2
137.5°	389.8	390.3	390.8	391.3	391.7	391.9	392.2	392.5	392.7	392.3	391.9
140°	406.1	406.6	407.1	407.6	407.9	408.0	408.1	408.2	408.3	408.2	408.1
142.5°	421.0	421.5	422.0	422.5	422.8	423.0	423.2	423.4	423.5	423.4	423.3
145°	443.9	444.1	444.3	444.5	444.7	445.0	445.3	445.6	445.9	445.8	445.7
147.5°	464.3	464.7	465.0	465.4	465.7	466.0	466.3	466.6	466.9	466.9	466.9
150°	478.3	478.5	478.7	478.9	479.1	479.3	479.5	479.7	479.9	479.9	479.9
152.5°	490.0	490.3	490.5	490.8	491.0	491.1	491.3	491.4	491.5	491.7	491.8
155°	508.0	508.0	508.0	508.0	508.1	508.2	508.3	508.4	508.5	508.9	509.3
157.5°	523.5	523.4	523.2	523.1	523.1	523.2	523.3	523.3	523.4	523.8	524.3
160°	533.2	533.0	532.8	532.6	532.5	532.5	532.5	532.5	532.5	533.0	533.5
162.5°	541.8	541.5	541.2	541.0	540.9	540.9	541.0	541.1	541.2	541.7	542.2
165°	553.0	552.7	552.4	552.1	552.0	552.0	552.0	552.0	552.0	552.6	553.2
167.5°	561.9	561.5	561.1	560.7	560.5	560.6	560.7	560.8	560.8	561.5	562.1
170°	567.0	566.6	566.2	565.8	565.6	565.6	565.6	565.6	565.6	566.3	567.0
172.5°	571.0	570.6	570.2	569.7	569.5	569.5	569.5	569.5	569.5	570.2	570.8
175°	575.1	574.7	574.3	573.9	573.7	573.7	573.7	573.7	573.7	574.3	574.9
177.5°	576.9	576.6	576.3	576.0	575.8	575.8	575.8	575.8	575.8	576.3	576.8
180°	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9	576.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1290.0	1290.0	1291.7	1298.0	1298.8	1304.3	1302.6
5°	1417.8	1427.7	1431.4	1447.1	1456.5	1460.7	1452.3
7.5°	1574.0	1602.1	1615.4	1631.8	1646.4	1650.8	1639.3
10°	1687.9	1717.2	1741.9	1757.0	1771.2	1780.6	1792.6
12.5°	1798.1	1834.1	1857.5	1878.9	1893.5	1905.4	1907.4
15°	1917.8	1972.2	2013.6	2043.9	2059.1	2067.0	2063.8
17.5°	2038.5	2089.0	2118.4	2149.4	2170.4	2171.5	2172.1
20°	2106.8	2156.0	2190.0	2213.0	2236.6	2235.6	2240.8
22.5°	2152.4	2191.2	2217.2	2234.0	2242.1	2238.1	2239.1
25°	2173.8	2185.3	2180.6	2153.9	2147.1	2122.5	2126.7
27.5°	2063.6	2009.2	1952.8	1880.4	1823.2	1777.6	1779.9
30°	1914.1	1817.8	1707.8	1615.7	1533.0	1509.9	1460.7
32.5°	1705.1	1560.6	1431.8	1345.9	1274.9	1255.7	1212.8
35°	1350.8	1210.4	1078.0	998.4	967.0	923.0	922.5
37.5°	1049.9	926.4	856.3	796.6	765.3	738.7	736.1
40°	883.2	786.9	734.0	691.1	660.2	640.3	635.6
42.5°	766.8	688.9	639.4	612.8	589.0	578.7	571.1
45°	626.2	573.8	539.3	515.2	504.2	496.3	492.1
47.5°	523.8	488.7	465.1	449.1	440.2	431.9	434.1
50°	468.1	439.3	422.0	406.8	400.0	394.2	394.8
52.5°	423.2	397.4	383.4	372.5	364.0	359.9	357.9
55°	359.2	342.9	328.8	320.9	316.2	310.5	308.9
57.5°	306.4	293.8	282.3	273.4	272.2	266.7	267.4
60°	271.2	260.7	251.3	246.6	242.9	238.2	239.8
62.5°	242.3	233.5	224.9	221.0	217.4	213.9	214.7
65°	198.4	190.0	184.8	182.7	181.1	179.6	178.0
67.5°	158.1	153.0	149.7	145.2	142.0	141.5	139.9
70°	133.0	126.2	120.4	114.7	113.1	112.6	113.1
72.5°	106.6	102.3	100.7	97.9	97.6	96.2	97.2
75°	80.1	78.5	77.5	75.4	75.4	75.4	75.4
77.5°	59.1	58.1	57.5	57.1	56.5	55.8	55.7
80°	46.1	45.5	44.5	44.5	44.0	44.5	44.0
82.5°	34.8	34.7	33.6	33.6	33.1	32.8	33.1
85°	17.8	17.3	18.3	17.3	17.8	16.8	17.8
87.5°	7.4	7.5	7.2	7.2	6.8	7.7	6.9
90°	12.1	12.5	12.8	13.0	13.2	13.4	13.6
92.5°	18.4	18.7	18.8	18.7	18.5	18.4	18.3
95°	34.7	35.1	35.3	35.3	35.3	35.3	35.3
97.5°	53.9	54.3	54.5	54.5	54.5	54.4	54.4
100°	67.5	67.8	68.1	68.3	68.5	68.7	68.9
102.5°	83.5	83.8	83.9	83.9	83.8	83.8	83.7
105°	106.9	106.9	107.0	107.3	107.5	107.7	107.9
107.5°	133.0	133.3	133.4	133.3	133.2	133.1	133.0
110°	150.3	150.7	150.8	150.6	150.4	150.2	150.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	167.6	168.1	168.3	168.2	168.2	168.2	168.1
115°	193.4	193.5	193.5	193.4	193.3	193.2	193.1
117.5°	219.6	219.6	219.5	219.2	218.9	218.6	218.3
120°	237.2	237.1	236.9	236.7	236.5	236.3	236.1
122.5°	254.8	254.5	254.3	254.0	253.7	253.4	253.1
125°	281.1	280.7	280.3	279.9	279.5	279.1	278.7
127.5°	307.1	306.5	306.0	305.6	305.1	304.6	304.2
130°	324.6	324.2	323.7	323.0	322.3	321.6	320.8
132.5°	341.4	340.9	340.4	339.9	339.3	338.8	338.2
135°	366.8	366.4	366.1	365.9	365.7	365.5	365.3
137.5°	391.5	391.0	390.6	390.2	389.9	389.5	389.1
140°	408.0	407.9	407.5	406.8	406.1	405.4	404.7
142.5°	423.2	423.1	422.8	422.3	421.7	421.2	420.6
145°	445.6	445.5	445.3	444.9	444.5	444.1	443.7
147.5°	466.9	466.9	466.6	466.0	465.3	464.7	464.1
150°	479.9	479.9	479.6	479.0	478.4	477.8	477.2
152.5°	492.0	492.2	492.0	491.5	490.9	490.4	489.9
155°	509.7	510.1	509.9	509.2	508.5	507.8	507.1
157.5°	524.7	525.1	525.0	524.5	523.9	523.3	522.8
160°	534.0	534.5	534.5	534.1	533.7	533.3	532.9
162.5°	542.7	543.2	543.1	542.5	541.8	541.2	540.5
165°	553.8	554.4	554.3	553.6	552.9	552.2	551.5
167.5°	562.7	563.3	563.3	562.7	562.1	561.5	560.8
170°	567.7	568.4	568.4	567.7	567.0	566.3	565.6
172.5°	571.4	572.0	572.0	571.3	570.6	569.9	569.2
175°	575.5	576.1	576.1	575.4	574.7	574.0	573.3
177.5°	577.3	577.7	577.7	577.1	576.6	576.0	575.4
180°	576.9	576.9	576.9	576.9	576.9	576.9	576.9

(END OF REPORT)