

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: P332430

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332430
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: S123RDIW-S775D460U835-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 460 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4890.9 lumens
Efficiency: N/A
Efficacy: 129.7 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

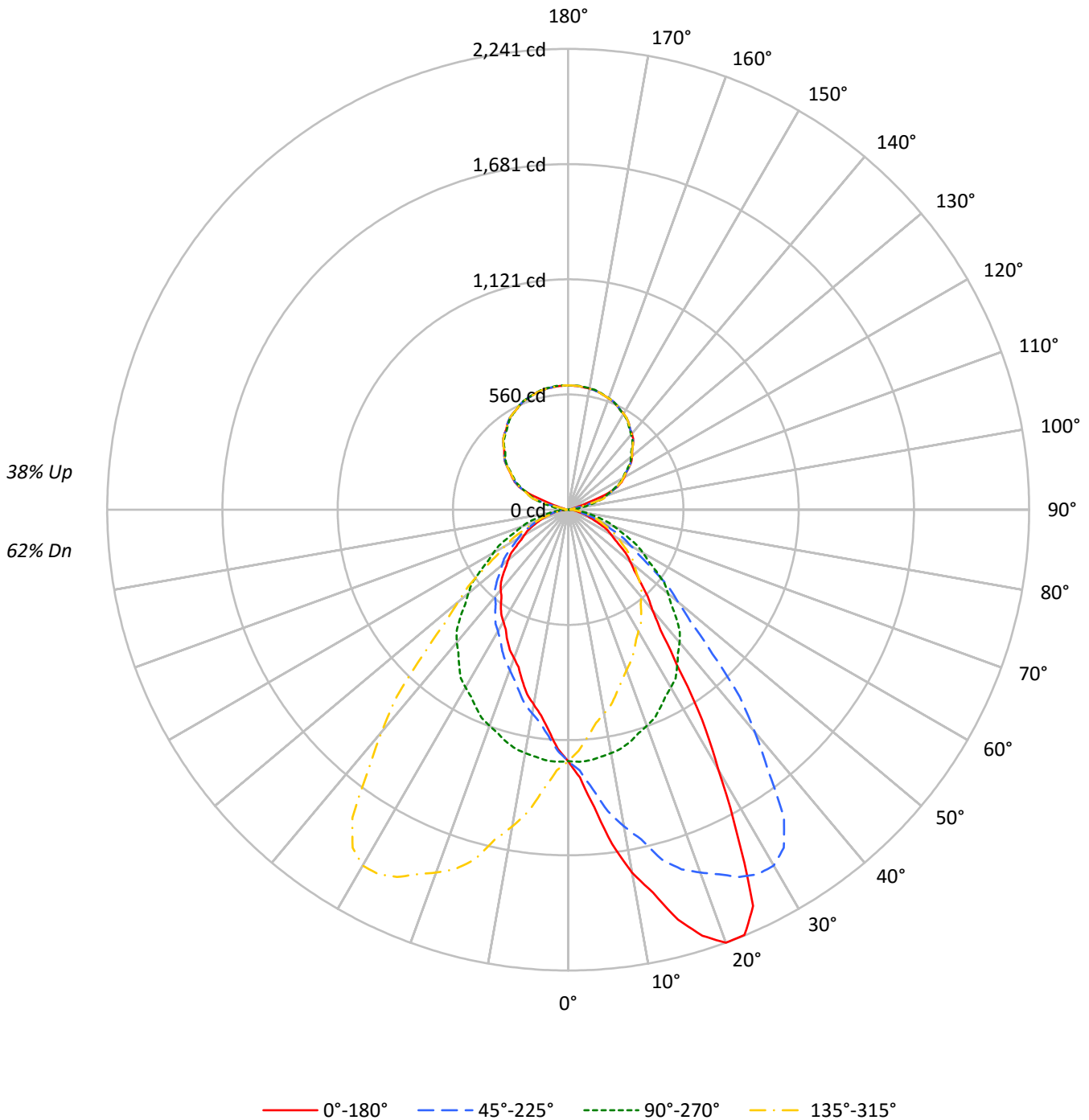
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	95	91	88	85	80	78	76	70	68	67	61	60	58	54
2	93	86	80	75	87	81	75	71	71	67	64	62	59	57	54	52	50	46
3	85	76	69	63	80	72	65	60	63	59	55	56	52	49	49	46	44	40
4	78	68	60	54	73	64	57	52	57	51	47	50	46	43	44	41	38	35
5	72	61	53	47	68	58	50	45	51	46	41	45	41	37	40	37	34	31
6	67	55	47	41	63	52	45	40	46	41	36	41	37	33	37	33	30	27
7	62	50	42	36	58	47	40	35	42	37	32	38	33	30	34	30	27	25
8	58	45	38	33	54	43	36	31	39	33	29	35	30	27	31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26	32	27	24	29	25	22	20
10	50	38	31	26	47	37	30	26	33	28	24	30	25	22	27	23	20	18

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	2.5
10°-20°	375.7	7.7
20°-30°	590.3	12.1
30°-40°	615.9	12.6
40°-50°	527.1	10.8
50°-60°	401.7	8.2
60°-70°	257.5	5.3
70°-80°	123.9	2.5
80°-90°	34.5	0.7
90°-100°	22.0	0.4
100°-110°	104.8	2.1
110°-120°	251.7	5.1
120°-130°	320.5	6.6
130°-140°	342.4	7.0
140°-150°	320.2	6.5
150°-160°	258.3	5.3
160°-170°	166.7	3.4
170°-180°	57.5	1.2
0°-30°	1086.3	22.2
0°-40°	1702.2	34.8
0°-60°	2631.0	53.8
0°-90°	3046.8	62.3
90°-120°	378.5	7.7
90°-150°	1361.6	27.8
90°-180°	1844.0	37.7
0°-180°	4890.9	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°	17	27	17	27	17	14
105°	20	134	20	134	20	45
115°	264	251	264	251	264	244
125°	361	354	361	354	361	323
135°	445	441	445	441	445	343
145°	514	509	514	509	514	321
155°	559	560	559	560	559	258
165°	590	591	590	591	590	166
175°	602	605	602	605	602	57
180°	605	605	605	605	605	



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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	7.1	7.5	7.4	7.3	8.1	7.6	7.8
90°	13.5	13.3	13.1	12.9	12.7	12.4	12.0	11.6	11.2	10.8	9.5
92.5°	14.9	14.8	14.7	14.6	14.4	14.1	13.4	12.8	12.1	11.5	10.5
95°	17.1	17.1	17.1	17.1	17.1	16.7	16.0	15.3	14.6	13.9	12.8
97.5°	18.5	18.4	18.3	18.2	18.1	17.7	16.9	16.1	15.3	14.5	21.7
100°	18.9	18.8	18.7	18.6	18.5	18.0	17.2	16.4	15.6	14.8	30.4
102.5°	19.2	19.0	18.9	18.7	18.5	19.7	22.1	24.6	27.1	29.6	46.6
105°	19.8	19.6	19.4	19.2	19.0	27.7	45.4	63.0	80.7	98.4	107.4
107.5°	62.1	75.4	88.7	102.0	115.4	128.5	141.5	154.4	167.4	180.3	178.9
110°	123.6	137.8	152.1	166.4	180.7	189.4	192.7	196.0	199.3	202.6	201.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	212.0	215.0	218.0	221.0	224.0	225.5	225.4	225.4	225.3	225.3	224.2
115°	264.2	263.8	263.4	263.0	262.6	261.9	260.9	259.9	258.9	257.9	257.0
117.5°	293.5	293.4	293.3	293.2	293.1	292.7	291.9	291.1	290.3	289.5	289.1
120°	313.6	313.6	313.6	313.6	313.6	313.2	312.4	311.6	310.8	310.0	309.7
122.5°	333.4	333.3	333.2	333.1	333.0	332.7	332.2	331.6	331.0	330.5	330.1
125°	361.2	361.0	360.8	360.6	360.4	360.2	360.0	359.8	359.6	359.4	359.0
127.5°	388.0	388.2	388.4	388.6	388.8	388.7	388.4	388.1	387.8	387.5	387.0
130°	405.2	405.4	405.6	405.8	406.0	405.9	405.5	405.1	404.7	404.3	404.0
132.5°	421.1	421.3	421.6	421.9	422.2	422.1	421.7	421.3	420.9	420.5	420.2
135°	445.2	445.5	445.8	446.1	446.4	446.4	446.1	445.8	445.5	445.2	444.8
137.5°	468.0	468.2	468.4	468.6	468.8	468.6	468.1	467.7	467.2	466.7	466.5
140°	481.6	481.8	482.0	482.2	482.4	482.3	481.9	481.5	481.1	480.7	480.4
142.5°	494.2	494.5	494.8	495.0	495.3	495.3	495.0	494.7	494.3	494.0	493.7
145°	513.5	513.5	513.5	513.5	513.5	513.4	513.2	513.0	512.8	512.6	512.4
147.5°	527.9	528.4	528.8	529.3	529.7	529.9	529.7	529.5	529.3	529.1	528.9
150°	538.7	539.0	539.3	539.6	539.9	539.9	539.7	539.5	539.3	539.1	538.9
152.5°	547.3	547.8	548.2	548.7	549.1	549.2	548.8	548.5	548.1	547.8	547.6
155°	559.4	559.9	560.5	561.1	561.7	561.8	561.3	560.8	560.3	559.8	559.7
157.5°	569.5	570.3	571.1	571.8	572.6	572.7	572.1	571.5	570.9	570.3	570.4
160°	576.0	576.7	577.4	578.1	578.8	578.8	578.2	577.6	577.0	576.4	576.5
162.5°	582.1	582.7	583.3	583.9	584.6	584.5	583.9	583.2	582.5	581.8	581.9
165°	589.5	590.2	590.9	591.5	592.2	592.2	591.4	590.6	589.8	589.0	589.1
167.5°	594.8	595.6	596.4	597.1	597.9	597.9	597.1	596.4	595.6	594.8	594.8
170°	598.0	598.8	599.6	600.4	601.2	601.2	600.4	599.6	598.8	598.0	598.0
172.5°	599.8	600.7	601.5	602.4	603.3	603.3	602.5	601.7	600.9	600.1	600.1
175°	602.5	603.3	604.1	604.9	605.7	605.7	605.0	604.3	603.6	602.9	602.8
177.5°	603.3	604.1	604.9	605.7	606.5	606.6	605.9	605.3	604.6	604.0	603.9
180°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7



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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°	8.3	7.7	8.2	8.0	9.1	9.3	11.6	13.5	14.1	12.6	12.8
90°	8.2	6.9	5.6	4.4	3.4	2.4	1.4	0.4	1.4	2.4	3.4
92.5°	9.5	8.6	7.6	7.2	7.5	7.8	8.1	8.4	8.1	7.8	7.5
95°	11.7	10.6	9.5	11.0	15.1	19.2	23.3	27.4	23.3	19.2	15.1
97.5°	28.8	36.0	43.2	47.7	49.6	51.4	53.2	55.1	53.2	51.4	49.6
100°	46.0	61.6	77.1	83.9	81.9	79.9	77.9	75.9	77.9	79.9	81.9
102.5°	63.6	80.6	97.6	105.4	104.0	102.5	101.1	99.6	101.1	102.5	104.0
105°	116.4	125.3	134.3	138.3	137.2	136.1	135.0	133.9	135.0	136.1	137.2
107.5°	177.5	176.1	174.7	173.5	172.6	171.8	170.9	170.0	170.9	171.8	172.6
110°	200.4	199.3	198.2	197.3	196.5	195.7	194.9	194.1	194.9	195.7	196.5



TEST NUMBER: P332430

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	223.1	222.0	220.9	220.0	219.2	218.5	217.8	217.1	217.8	218.5	219.2
115°	256.1	255.2	254.3	253.5	252.9	252.3	251.7	251.1	251.7	252.3	252.9
117.5°	288.6	288.1	287.7	287.1	286.3	285.6	284.9	284.1	284.9	285.6	286.3
120°	309.4	309.1	308.8	308.2	307.3	306.4	305.5	304.6	305.5	306.4	307.3
122.5°	329.7	329.4	329.0	328.4	327.7	326.9	326.2	325.5	326.2	326.9	327.7
125°	358.6	358.2	357.8	357.2	356.4	355.6	354.8	354.0	354.8	355.6	356.4
127.5°	386.5	386.0	385.5	384.9	384.1	383.3	382.5	381.7	382.5	383.3	384.1
130°	403.6	403.2	402.8	402.2	401.4	400.6	399.8	399.0	399.8	400.6	401.4
132.5°	419.9	419.6	419.2	418.7	417.9	417.1	416.3	415.5	416.3	417.1	417.9
135°	444.4	444.0	443.6	443.1	442.5	441.9	441.3	440.7	441.3	441.9	442.5
137.5°	466.3	466.1	465.8	465.3	464.6	463.8	463.1	462.3	463.1	463.8	464.6
140°	480.1	479.8	479.5	479.1	478.5	477.9	477.3	476.7	477.3	477.9	478.5
142.5°	493.4	493.1	492.8	492.4	491.8	491.2	490.6	490.0	490.6	491.2	491.8
145°	512.2	512.0	511.8	511.4	510.7	510.0	509.3	508.6	509.3	510.0	510.7
147.5°	528.7	528.5	528.3	527.9	527.5	527.0	526.6	526.1	526.6	527.0	527.5
150°	538.7	538.5	538.3	538.1	537.8	537.5	537.2	536.9	537.2	537.5	537.8
152.5°	547.5	547.4	547.3	547.2	547.0	546.9	546.7	546.6	546.7	546.9	547.0
155°	559.6	559.5	559.4	559.5	559.7	559.8	560.0	560.2	560.0	559.8	559.7
157.5°	570.5	570.6	570.7	570.8	570.8	570.8	570.8	570.9	570.8	570.8	570.8
160°	576.6	576.7	576.8	576.9	577.0	577.1	577.2	577.3	577.2	577.1	577.0
162.5°	582.0	582.1	582.2	582.4	582.7	582.9	583.2	583.4	583.2	582.9	582.7
165°	589.2	589.3	589.4	589.6	589.9	590.2	590.5	590.8	590.5	590.2	589.9
167.5°	594.8	594.8	594.8	595.0	595.4	595.8	596.2	596.6	596.2	595.8	595.4
170°	598.0	598.0	598.0	598.2	598.6	599.0	599.4	599.8	599.4	599.0	598.6
172.5°	600.0	599.9	599.8	600.0	600.5	601.0	601.5	601.9	601.5	601.0	600.5
175°	602.7	602.6	602.5	602.7	603.2	603.7	604.2	604.7	604.2	603.7	603.2
177.5°	603.8	603.8	603.7	603.8	604.2	604.6	605.0	605.4	605.0	604.6	604.2
180°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7



TEST NUMBER: P332430

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

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	16.1	16.0	16.5	16.6	17.1	17.1	17.2
90°	4.4	5.6	6.9	8.2	9.5	10.8	11.2	11.6	12.0	12.4	12.7
92.5°	7.2	7.6	8.6	9.5	10.5	11.5	12.1	12.8	13.4	14.1	14.4
95°	11.0	9.5	10.6	11.7	12.8	13.9	14.6	15.3	16.0	16.7	17.1
97.5°	47.7	43.2	36.0	28.8	21.7	14.5	15.3	16.1	16.9	17.7	18.1
100°	83.9	77.1	61.6	46.0	30.4	14.8	15.6	16.4	17.2	18.0	18.5
102.5°	105.4	97.6	80.6	63.6	46.6	29.6	27.1	24.6	22.1	19.7	18.5
105°	138.3	134.3	125.3	116.4	107.4	98.4	80.7	63.0	45.4	27.7	19.0
107.5°	173.5	174.7	176.1	177.5	178.9	180.3	167.4	154.4	141.5	128.5	115.4
110°	197.3	198.2	199.3	200.4	201.5	202.6	199.3	196.0	192.7	189.4	180.7



TEST NUMBER: P332430

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	220.0	220.9	222.0	223.1	224.2	225.3	225.3	225.4	225.4	225.5	224.0
115°	253.5	254.3	255.2	256.1	257.0	257.9	258.9	259.9	260.9	261.9	262.6
117.5°	287.1	287.7	288.1	288.6	289.1	289.5	290.3	291.1	291.9	292.7	293.1
120°	308.2	308.8	309.1	309.4	309.7	310.0	310.8	311.6	312.4	313.2	313.6
122.5°	328.4	329.0	329.4	329.7	330.1	330.5	331.0	331.6	332.2	332.7	333.0
125°	357.2	357.8	358.2	358.6	359.0	359.4	359.6	359.8	360.0	360.2	360.4
127.5°	384.9	385.5	386.0	386.5	387.0	387.5	387.8	388.1	388.4	388.7	388.8
130°	402.2	402.8	403.2	403.6	404.0	404.3	404.7	405.1	405.5	405.9	406.0
132.5°	418.7	419.2	419.6	419.9	420.2	420.5	420.9	421.3	421.7	422.1	422.2
135°	443.1	443.6	444.0	444.4	444.8	445.2	445.5	445.8	446.1	446.4	446.4
137.5°	465.3	465.8	466.1	466.3	466.5	466.7	467.2	467.7	468.1	468.6	468.8
140°	479.1	479.5	479.8	480.1	480.4	480.7	481.1	481.5	481.9	482.3	482.4
142.5°	492.4	492.8	493.1	493.4	493.7	494.0	494.3	494.7	495.0	495.3	495.3
145°	511.4	511.8	512.0	512.2	512.4	512.6	512.8	513.0	513.2	513.4	513.5
147.5°	527.9	528.3	528.5	528.7	528.9	529.1	529.3	529.5	529.7	529.9	529.7
150°	538.1	538.3	538.5	538.7	538.9	539.1	539.3	539.5	539.7	539.9	539.9
152.5°	547.2	547.3	547.4	547.5	547.6	547.8	548.1	548.5	548.8	549.2	549.1
155°	559.5	559.4	559.5	559.6	559.7	559.8	560.3	560.8	561.3	561.8	561.7
157.5°	570.8	570.7	570.6	570.5	570.4	570.3	570.9	571.5	572.1	572.7	572.6
160°	576.9	576.8	576.7	576.6	576.5	576.4	577.0	577.6	578.2	578.8	578.8
162.5°	582.4	582.2	582.1	582.0	581.9	581.8	582.5	583.2	583.9	584.5	584.6
165°	589.6	589.4	589.3	589.2	589.1	589.0	589.8	590.6	591.4	592.2	592.2
167.5°	595.0	594.8	594.8	594.8	594.8	594.8	595.6	596.4	597.1	597.9	597.9
170°	598.2	598.0	598.0	598.0	598.0	598.0	598.8	599.6	600.4	601.2	601.2
172.5°	600.0	599.8	599.9	600.0	600.1	600.1	600.9	601.7	602.5	603.3	603.3
175°	602.7	602.5	602.6	602.7	602.8	602.9	603.6	604.3	605.0	605.7	605.7
177.5°	603.8	603.7	603.8	603.8	603.9	604.0	604.6	605.3	605.9	606.6	606.5
180°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7



TEST NUMBER: P332430

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

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	17.1	17.1	16.6
90°	12.9	13.1	13.3	13.5	13.3	13.1	12.9	12.7	12.4	12.0	11.6
92.5°	14.6	14.7	14.8	14.9	14.8	14.7	14.6	14.4	14.1	13.4	12.8
95°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	16.7	16.0	15.3
97.5°	18.2	18.3	18.4	18.5	18.4	18.3	18.2	18.1	17.7	16.9	16.1
100°	18.6	18.7	18.8	18.9	18.8	18.7	18.6	18.5	18.0	17.2	16.4
102.5°	18.7	18.9	19.0	19.2	19.0	18.9	18.7	18.5	19.7	22.1	24.6
105°	19.2	19.4	19.6	19.8	19.6	19.4	19.2	19.0	27.7	45.4	63.0
107.5°	102.0	88.7	75.4	62.1	75.4	88.7	102.0	115.4	128.5	141.5	154.4
110°	166.4	152.1	137.8	123.6	137.8	152.1	166.4	180.7	189.4	192.7	196.0



TEST NUMBER: P332430

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	221.0	218.0	215.0	212.0	215.0	218.0	221.0	224.0	225.5	225.4	225.4
115°	263.0	263.4	263.8	264.2	263.8	263.4	263.0	262.6	261.9	260.9	259.9
117.5°	293.2	293.3	293.4	293.5	293.4	293.3	293.2	293.1	292.7	291.9	291.1
120°	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.2	312.4	311.6
122.5°	333.1	333.2	333.3	333.4	333.3	333.2	333.1	333.0	332.7	332.2	331.6
125°	360.6	360.8	361.0	361.2	361.0	360.8	360.6	360.4	360.2	360.0	359.8
127.5°	388.6	388.4	388.2	388.0	388.2	388.4	388.6	388.8	388.7	388.4	388.1
130°	405.8	405.6	405.4	405.2	405.4	405.6	405.8	406.0	405.9	405.5	405.1
132.5°	421.9	421.6	421.3	421.1	421.3	421.6	421.9	422.2	422.1	421.7	421.3
135°	446.1	445.8	445.5	445.2	445.5	445.8	446.1	446.4	446.4	446.1	445.8
137.5°	468.6	468.4	468.2	468.0	468.2	468.4	468.6	468.8	468.6	468.1	467.7
140°	482.2	482.0	481.8	481.6	481.8	482.0	482.2	482.4	482.3	481.9	481.5
142.5°	495.0	494.8	494.5	494.2	494.5	494.8	495.0	495.3	495.3	495.0	494.7
145°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.4	513.2	513.0
147.5°	529.3	528.8	528.4	527.9	528.4	528.8	529.3	529.7	529.9	529.7	529.5
150°	539.6	539.3	539.0	538.7	539.0	539.3	539.6	539.9	539.9	539.7	539.5
152.5°	548.7	548.2	547.8	547.3	547.8	548.2	548.7	549.1	549.2	548.8	548.5
155°	561.1	560.5	559.9	559.4	559.9	560.5	561.1	561.7	561.8	561.3	560.8
157.5°	571.8	571.1	570.3	569.5	570.3	571.1	571.8	572.6	572.7	572.1	571.5
160°	578.1	577.4	576.7	576.0	576.7	577.4	578.1	578.8	578.8	578.2	577.6
162.5°	583.9	583.3	582.7	582.1	582.7	583.3	583.9	584.6	584.5	583.9	583.2
165°	591.5	590.9	590.2	589.5	590.2	590.9	591.5	592.2	592.2	591.4	590.6
167.5°	597.1	596.4	595.6	594.8	595.6	596.4	597.1	597.9	597.9	597.1	596.4
170°	600.4	599.6	598.8	598.0	598.8	599.6	600.4	601.2	601.2	600.4	599.6
172.5°	602.4	601.5	600.7	599.8	600.7	601.5	602.4	603.3	603.3	602.5	601.7
175°	604.9	604.1	603.3	602.5	603.3	604.1	604.9	605.7	605.7	605.0	604.3
177.5°	605.7	604.9	604.1	603.3	604.1	604.9	605.7	606.5	606.6	605.9	605.3
180°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7



TEST NUMBER: P332430

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

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	16.1	15.5	14.8	14.1	12.6	12.8	12.6	14.1	13.5
90°	11.2	10.8	9.5	8.2	6.9	5.6	4.4	3.4	2.4	1.4	0.4
92.5°	12.1	11.5	10.5	9.5	8.6	7.6	7.2	7.5	7.8	8.1	8.4
95°	14.6	13.9	12.8	11.7	10.6	9.5	11.0	15.1	19.2	23.3	27.4
97.5°	15.3	14.5	21.7	28.8	36.0	43.2	47.7	49.6	51.4	53.2	55.1
100°	15.6	14.8	30.4	46.0	61.6	77.1	83.9	81.9	79.9	77.9	75.9
102.5°	27.1	29.6	46.6	63.6	80.6	97.6	105.4	104.0	102.5	101.1	99.6
105°	80.7	98.4	107.4	116.4	125.3	134.3	138.3	137.2	136.1	135.0	133.9
107.5°	167.4	180.3	178.9	177.5	176.1	174.7	173.5	172.6	171.8	170.9	170.0
110°	199.3	202.6	201.5	200.4	199.3	198.2	197.3	196.5	195.7	194.9	194.1



TEST NUMBER: P332430

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	225.3	225.3	224.2	223.1	222.0	220.9	220.0	219.2	218.5	217.8	217.1
115°	258.9	257.9	257.0	256.1	255.2	254.3	253.5	252.9	252.3	251.7	251.1
117.5°	290.3	289.5	289.1	288.6	288.1	287.7	287.1	286.3	285.6	284.9	284.1
120°	310.8	310.0	309.7	309.4	309.1	308.8	308.2	307.3	306.4	305.5	304.6
122.5°	331.0	330.5	330.1	329.7	329.4	329.0	328.4	327.7	326.9	326.2	325.5
125°	359.6	359.4	359.0	358.6	358.2	357.8	357.2	356.4	355.6	354.8	354.0
127.5°	387.8	387.5	387.0	386.5	386.0	385.5	384.9	384.1	383.3	382.5	381.7
130°	404.7	404.3	404.0	403.6	403.2	402.8	402.2	401.4	400.6	399.8	399.0
132.5°	420.9	420.5	420.2	419.9	419.6	419.2	418.7	417.9	417.1	416.3	415.5
135°	445.5	445.2	444.8	444.4	444.0	443.6	443.1	442.5	441.9	441.3	440.7
137.5°	467.2	466.7	466.5	466.3	466.1	465.8	465.3	464.6	463.8	463.1	462.3
140°	481.1	480.7	480.4	480.1	479.8	479.5	479.1	478.5	477.9	477.3	476.7
142.5°	494.3	494.0	493.7	493.4	493.1	492.8	492.4	491.8	491.2	490.6	490.0
145°	512.8	512.6	512.4	512.2	512.0	511.8	511.4	510.7	510.0	509.3	508.6
147.5°	529.3	529.1	528.9	528.7	528.5	528.3	527.9	527.5	527.0	526.6	526.1
150°	539.3	539.1	538.9	538.7	538.5	538.3	538.1	537.8	537.5	537.2	536.9
152.5°	548.1	547.8	547.6	547.5	547.4	547.3	547.2	547.0	546.9	546.7	546.6
155°	560.3	559.8	559.7	559.6	559.5	559.4	559.5	559.7	559.8	560.0	560.2
157.5°	570.9	570.3	570.4	570.5	570.6	570.7	570.8	570.8	570.8	570.8	570.9
160°	577.0	576.4	576.5	576.6	576.7	576.8	576.9	577.0	577.1	577.2	577.3
162.5°	582.5	581.8	581.9	582.0	582.1	582.2	582.4	582.7	582.9	583.2	583.4
165°	589.8	589.0	589.1	589.2	589.3	589.4	589.6	589.9	590.2	590.5	590.8
167.5°	595.6	594.8	594.8	594.8	594.8	594.8	595.0	595.4	595.8	596.2	596.6
170°	598.8	598.0	598.0	598.0	598.0	598.0	598.2	598.6	599.0	599.4	599.8
172.5°	600.9	600.1	600.1	600.0	599.9	599.8	600.0	600.5	601.0	601.5	601.9
175°	603.6	602.9	602.8	602.7	602.6	602.5	602.7	603.2	603.7	604.2	604.7
177.5°	604.6	604.0	603.9	603.8	603.8	603.7	603.8	604.2	604.6	605.0	605.4
180°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7



TEST NUMBER: P332430

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

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	8.3	7.8	7.6	8.1	7.3
90°	1.4	2.4	3.4	4.4	5.6	6.9	8.2	9.5	10.8	11.2	11.6
92.5°	8.1	7.8	7.5	7.2	7.6	8.6	9.5	10.5	11.5	12.1	12.8
95°	23.3	19.2	15.1	11.0	9.5	10.6	11.7	12.8	13.9	14.6	15.3
97.5°	53.2	51.4	49.6	47.7	43.2	36.0	28.8	21.7	14.5	15.3	16.1
100°	77.9	79.9	81.9	83.9	77.1	61.6	46.0	30.4	14.8	15.6	16.4
102.5°	101.1	102.5	104.0	105.4	97.6	80.6	63.6	46.6	29.6	27.1	24.6
105°	135.0	136.1	137.2	138.3	134.3	125.3	116.4	107.4	98.4	80.7	63.0
107.5°	170.9	171.8	172.6	173.5	174.7	176.1	177.5	178.9	180.3	167.4	154.4
110°	194.9	195.7	196.5	197.3	198.2	199.3	200.4	201.5	202.6	199.3	196.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	217.8	218.5	219.2	220.0	220.9	222.0	223.1	224.2	225.3	225.3	225.4
115°	251.7	252.3	252.9	253.5	254.3	255.2	256.1	257.0	257.9	258.9	259.9
117.5°	284.9	285.6	286.3	287.1	287.7	288.1	288.6	289.1	289.5	290.3	291.1
120°	305.5	306.4	307.3	308.2	308.8	309.1	309.4	309.7	310.0	310.8	311.6
122.5°	326.2	326.9	327.7	328.4	329.0	329.4	329.7	330.1	330.5	331.0	331.6
125°	354.8	355.6	356.4	357.2	357.8	358.2	358.6	359.0	359.4	359.6	359.8
127.5°	382.5	383.3	384.1	384.9	385.5	386.0	386.5	387.0	387.5	387.8	388.1
130°	399.8	400.6	401.4	402.2	402.8	403.2	403.6	404.0	404.3	404.7	405.1
132.5°	416.3	417.1	417.9	418.7	419.2	419.6	419.9	420.2	420.5	420.9	421.3
135°	441.3	441.9	442.5	443.1	443.6	444.0	444.4	444.8	445.2	445.5	445.8
137.5°	463.1	463.8	464.6	465.3	465.8	466.1	466.3	466.5	466.7	467.2	467.7
140°	477.3	477.9	478.5	479.1	479.5	479.8	480.1	480.4	480.7	481.1	481.5
142.5°	490.6	491.2	491.8	492.4	492.8	493.1	493.4	493.7	494.0	494.3	494.7
145°	509.3	510.0	510.7	511.4	511.8	512.0	512.2	512.4	512.6	512.8	513.0
147.5°	526.6	527.0	527.5	527.9	528.3	528.5	528.7	528.9	529.1	529.3	529.5
150°	537.2	537.5	537.8	538.1	538.3	538.5	538.7	538.9	539.1	539.3	539.5
152.5°	546.7	546.9	547.0	547.2	547.3	547.4	547.5	547.6	547.8	548.1	548.5
155°	560.0	559.8	559.7	559.5	559.4	559.5	559.6	559.7	559.8	560.3	560.8
157.5°	570.8	570.8	570.8	570.8	570.7	570.6	570.5	570.4	570.3	570.9	571.5
160°	577.2	577.1	577.0	576.9	576.8	576.7	576.6	576.5	576.4	577.0	577.6
162.5°	583.2	582.9	582.7	582.4	582.2	582.1	582.0	581.9	581.8	582.5	583.2
165°	590.5	590.2	589.9	589.6	589.4	589.3	589.2	589.1	589.0	589.8	590.6
167.5°	596.2	595.8	595.4	595.0	594.8	594.8	594.8	594.8	594.8	595.6	596.4
170°	599.4	599.0	598.6	598.2	598.0	598.0	598.0	598.0	598.0	598.8	599.6
172.5°	601.5	601.0	600.5	600.0	599.8	599.9	600.0	600.1	600.1	600.9	601.7
175°	604.2	603.7	603.2	602.7	602.5	602.6	602.7	602.8	602.9	603.6	604.3
177.5°	605.0	604.6	604.2	603.8	603.7	603.8	603.8	603.9	604.0	604.6	605.3
180°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7



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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	7.1	7.2	6.8	7.7	6.9
90°	12.0	12.4	12.7	12.9	13.1	13.3	13.5
92.5°	13.4	14.1	14.4	14.6	14.7	14.8	14.9
95°	16.0	16.7	17.1	17.1	17.1	17.1	17.1
97.5°	16.9	17.7	18.1	18.2	18.3	18.4	18.5
100°	17.2	18.0	18.5	18.6	18.7	18.8	18.9
102.5°	22.1	19.7	18.5	18.7	18.9	19.0	19.2
105°	45.4	27.7	19.0	19.2	19.4	19.6	19.8
107.5°	141.5	128.5	115.4	102.0	88.7	75.4	62.1
110°	192.7	189.4	180.7	166.4	152.1	137.8	123.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	225.4	225.5	224.0	221.0	218.0	215.0	212.0
115°	260.9	261.9	262.6	263.0	263.4	263.8	264.2
117.5°	291.9	292.7	293.1	293.2	293.3	293.4	293.5
120°	312.4	313.2	313.6	313.6	313.6	313.6	313.6
122.5°	332.2	332.7	333.0	333.1	333.2	333.3	333.4
125°	360.0	360.2	360.4	360.6	360.8	361.0	361.2
127.5°	388.4	388.7	388.8	388.6	388.4	388.2	388.0
130°	405.5	405.9	406.0	405.8	405.6	405.4	405.2
132.5°	421.7	422.1	422.2	421.9	421.6	421.3	421.1
135°	446.1	446.4	446.4	446.1	445.8	445.5	445.2
137.5°	468.1	468.6	468.8	468.6	468.4	468.2	468.0
140°	481.9	482.3	482.4	482.2	482.0	481.8	481.6
142.5°	495.0	495.3	495.3	495.0	494.8	494.5	494.2
145°	513.2	513.4	513.5	513.5	513.5	513.5	513.5
147.5°	529.7	529.9	529.7	529.3	528.8	528.4	527.9
150°	539.7	539.9	539.9	539.6	539.3	539.0	538.7
152.5°	548.8	549.2	549.1	548.7	548.2	547.8	547.3
155°	561.3	561.8	561.7	561.1	560.5	559.9	559.4
157.5°	572.1	572.7	572.6	571.8	571.1	570.3	569.5
160°	578.2	578.8	578.8	578.1	577.4	576.7	576.0
162.5°	583.9	584.5	584.6	583.9	583.3	582.7	582.1
165°	591.4	592.2	592.2	591.5	590.9	590.2	589.5
167.5°	597.1	597.9	597.9	597.1	596.4	595.6	594.8
170°	600.4	601.2	601.2	600.4	599.6	598.8	598.0
172.5°	602.5	603.3	603.3	602.4	601.5	600.7	599.8
175°	605.0	605.7	605.7	604.9	604.1	603.3	602.5
177.5°	605.9	606.6	606.5	605.7	604.9	604.1	603.3
180°	604.7	604.7	604.7	604.7	604.7	604.7	604.7

(END OF REPORT)