

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: P332150-927

Luminaire Tested: **S123DIW-S775D460U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332150-927
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: S123DIW-S775D460U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 460 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4045.7 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

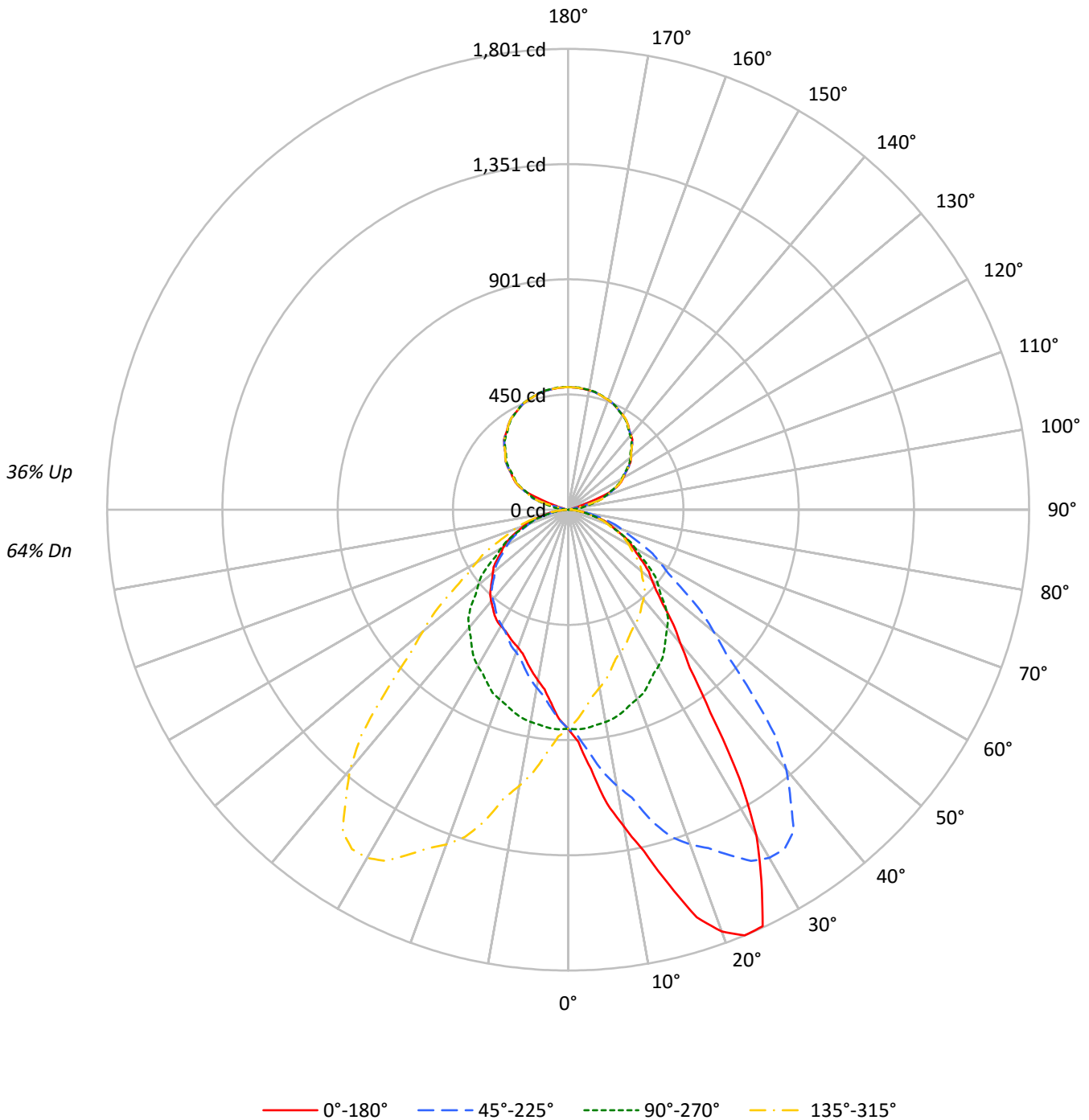
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	91	91	91	79	79	79	69	69	69	64
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	61	60	59	55
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50	46
3	85	75	68	62	79	71	64	59	63	58	54	55	51	48	49	46	43	39
4	78	67	59	53	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	39	36	33	30
6	66	54	45	40	62	51	43	38	45	39	35	40	36	32	36	32	29	26
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21	19
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9214	9214	9214	9214
5°	10988	9253	8200	9253
10°	13753	9206	7406	9206
15°	16868	9132	6896	9132
20°	20095	9016	6565	9016
25°	21338	8875	6492	8875
30°	18288	8772	6527	8772
35°	12720	8627	6594	8627
40°	9580	8455	6573	8455
45°	7954	8202	6491	8202
50°	7125	7681	6430	7681
55°	6662	7122	6351	7122
60°	6250	6536	6286	6536
65°	5873	5957	6082	5957
70°	5508	5297	5794	5297
75°	4932	4637	5311	4637
80°	4320	3806	4575	3806
85°	3384	2766	3075	2766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	2.1
10°-20°	270.4	6.7
20°-30°	453.8	11.2
30°-40°	513.8	12.7
40°-50°	460.8	11.4
50°-60°	371.8	9.2
60°-70°	259.1	6.4
70°-80°	136.2	3.4
80°-90°	34.6	0.9
90°-100°	17.4	0.4
100°-110°	83.0	2.1
110°-120°	199.4	4.9
120°-130°	253.9	6.3
130°-140°	271.3	6.7
140°-150°	253.7	6.3
150°-160°	204.6	5.1
160°-170°	132.1	3.3
170°-180°	45.5	1.1
0°-30°	808.5	20.0
0°-40°	1322.3	32.7
0°-60°	2154.9	53.3
0°-90°	2584.9	63.9
90°-120°	299.8	7.4
90°-150°	1078.7	26.7
90°-180°	1461.0	36.1
0°-180°	4045.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	856	856	856	856	856	
5°	1017	856	759	856	1017	105
15°	1514	820	619	820	1514	437
25°	1797	747	547	747	1797	788
35°	968	656	502	656	968	629
45°	522	539	426	539	522	413
55°	355	380	338	380	355	319
65°	231	234	239	234	231	230
75°	119	112	128	112	119	127
85°	27	22	25	22	27	33
90°	11	0	11	0	11	6
95°	14	22	14	22	14	11
105°	16	106	16	106	16	36
115°	209	199	209	199	209	193
125°	286	280	286	280	286	256
135°	353	349	353	349	353	272
145°	407	403	407	403	407	254
155°	443	444	443	444	443	204
165°	467	468	467	468	467	132
175°	477	479	477	479	477	45
180°	479	479	479	479	479	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	908.4	907.8	906.1	907.4	904.8	901.1	900.8	897.5	887.8	887.2	884.6
5°	1016.9	1013.6	1013.2	1012.7	1006.9	999.1	984.1	982.9	963.0	953.0	941.0
7.5°	1157.4	1159.1	1153.1	1147.8	1130.0	1118.3	1102.3	1081.8	1057.4	1032.6	1016.1
10°	1258.3	1271.9	1255.0	1243.3	1232.6	1212.2	1188.6	1159.1	1129.7	1095.3	1069.1
12.5°	1366.4	1373.2	1369.8	1358.8	1342.0	1311.1	1269.2	1236.8	1209.7	1152.3	1129.2
15°	1513.7	1539.1	1522.9	1485.5	1486.4	1456.9	1402.2	1342.0	1310.1	1259.9	1191.5
17.5°	1670.6	1673.8	1666.9	1635.9	1615.1	1574.6	1524.1	1466.5	1401.8	1341.0	1268.4
20°	1754.3	1751.8	1737.3	1721.1	1685.4	1653.9	1598.8	1534.5	1451.5	1391.8	1312.6
22.5°	1800.7	1796.6	1789.7	1776.2	1746.4	1712.6	1663.1	1592.8	1513.9	1431.6	1340.1
25°	1796.6	1802.0	1802.8	1799.0	1788.7	1768.4	1729.4	1673.4	1594.6	1488.8	1393.4
27.5°	1634.0	1641.6	1663.8	1683.5	1705.4	1727.8	1724.8	1697.0	1638.7	1547.4	1430.8
30°	1471.4	1454.8	1495.9	1547.8	1583.0	1645.2	1680.1	1682.1	1649.3	1571.0	1457.3
32.5°	1245.8	1264.1	1282.2	1346.0	1423.1	1492.9	1562.3	1618.1	1624.4	1572.3	1472.9
35°	968.0	990.8	1024.0	1057.1	1140.1	1211.4	1333.3	1439.5	1524.1	1535.3	1474.3
37.5°	780.0	791.3	812.3	845.5	899.8	984.4	1078.7	1212.9	1335.5	1426.6	1430.6
40°	681.8	685.2	708.8	734.0	778.0	847.7	932.7	1051.3	1198.1	1325.5	1378.6
42.5°	608.2	615.4	625.5	649.7	684.8	737.2	816.3	914.3	1048.8	1195.4	1299.3
45°	522.5	530.8	537.1	553.3	578.1	613.4	668.5	758.1	860.5	1011.9	1151.7
47.5°	466.0	466.7	471.3	483.5	500.4	526.9	565.9	623.4	717.5	840.2	983.7
50°	425.5	432.1	433.8	443.3	456.6	476.1	508.4	557.4	634.5	742.4	874.3
52.5°	397.0	398.9	403.6	410.5	422.1	437.3	465.3	503.7	564.2	656.1	777.4
55°	355.0	355.0	359.6	365.0	371.6	385.2	403.9	432.1	478.2	549.5	649.9
57.5°	316.2	318.2	321.5	323.1	328.8	337.9	353.4	374.9	409.2	464.1	543.8
60°	290.3	294.1	293.7	296.9	301.9	309.0	322.3	339.7	370.3	414.3	481.5
62.5°	267.8	267.5	267.4	271.4	276.4	283.1	291.7	306.8	332.9	371.9	429.0
65°	230.6	229.7	232.7	235.1	236.8	241.8	248.4	261.7	279.1	308.2	352.5
67.5°	197.6	195.2	196.8	197.6	200.4	204.3	210.5	218.7	232.6	255.9	289.3
70°	175.0	172.9	172.5	173.3	175.9	178.7	183.3	191.2	204.1	222.7	247.2
72.5°	151.8	150.4	150.3	152.1	153.3	155.2	158.4	165.6	175.9	189.9	212.7
75°	118.6	118.6	118.6	119.0	120.3	121.9	124.5	128.2	136.0	146.0	161.3
77.5°	88.9	88.8	88.3	88.2	90.1	90.9	91.4	94.9	99.3	106.0	117.2
80°	69.7	67.6	68.4	69.7	70.5	70.9	72.2	73.0	76.8	80.5	88.3
82.5°	51.7	50.0	50.1	52.1	52.3	52.7	53.9	55.1	56.5	59.9	64.1
85°	27.4	27.4	27.8	27.8	28.2	27.8	29.0	29.5	29.5	31.5	34.0
87.5°	12.1	11.4	11.7	12.0	11.6	11.9	12.2	12.4	12.8	13.0	13.2
90°	10.7	10.5	10.4	10.2	10.1	9.8	9.5	9.2	8.9	8.6	7.5
92.5°	11.8	11.7	11.6	11.6	11.4	11.2	10.6	10.1	9.6	9.1	8.3
95°	13.5	13.5	13.5	13.5	13.5	13.2	12.7	12.1	11.6	11.0	10.1
97.5°	14.7	14.6	14.5	14.4	14.3	14.0	13.4	12.8	12.1	11.5	17.2
100°	15.0	14.9	14.8	14.7	14.7	14.3	13.6	13.0	12.4	11.7	24.1
102.5°	15.2	15.1	15.0	14.8	14.7	15.6	17.5	19.5	21.5	23.4	36.9
105°	15.7	15.5	15.4	15.2	15.1	21.9	36.0	49.9	63.9	78.0	85.1
107.5°	49.2	59.7	70.3	80.8	91.4	101.8	112.1	122.3	132.6	142.8	141.7
110°	97.9	109.2	120.5	131.8	143.1	150.0	152.7	155.3	157.9	160.5	159.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	167.9	170.3	172.7	175.1	177.4	178.6	178.6	178.6	178.5	178.5	177.6
115°	209.3	209.0	208.7	208.3	208.0	207.5	206.7	205.9	205.1	204.3	203.6
117.5°	232.5	232.4	232.3	232.3	232.2	231.9	231.2	230.6	230.0	229.3	229.0
120°	248.4	248.4	248.4	248.4	248.4	248.1	247.5	246.8	246.2	245.6	245.3
122.5°	264.1	264.0	264.0	263.9	263.8	263.6	263.2	262.7	262.2	261.8	261.5
125°	286.1	286.0	285.8	285.7	285.5	285.3	285.2	285.0	284.9	284.7	284.4
127.5°	307.4	307.5	307.7	307.8	308.0	307.9	307.7	307.4	307.2	307.0	306.6
130°	321.0	321.2	321.3	321.5	321.6	321.5	321.2	320.9	320.6	320.3	320.0
132.5°	333.6	333.7	334.0	334.2	334.5	334.4	334.1	333.7	333.4	333.1	332.9
135°	352.7	352.9	353.2	353.4	353.6	353.6	353.4	353.2	352.9	352.7	352.4
137.5°	370.7	370.9	371.1	371.2	371.4	371.2	370.8	370.5	370.1	369.7	369.6
140°	381.5	381.7	381.8	382.0	382.1	382.1	381.8	381.4	381.1	380.8	380.6
142.5°	391.5	391.7	392.0	392.1	392.4	392.4	392.1	391.9	391.6	391.3	391.1
145°	406.8	406.8	406.8	406.8	406.8	406.7	406.5	406.4	406.2	406.1	405.9
147.5°	418.2	418.6	418.9	419.3	419.6	419.8	419.6	419.5	419.3	419.1	419.0
150°	426.7	427.0	427.2	427.5	427.7	427.7	427.5	427.4	427.2	427.1	426.9
152.5°	433.6	434.0	434.3	434.7	435.0	435.1	434.7	434.5	434.2	434.0	433.8
155°	443.1	443.5	444.0	444.5	445.0	445.0	444.7	444.3	443.9	443.5	443.4
157.5°	451.1	451.8	452.4	453.0	453.6	453.7	453.2	452.7	452.3	451.8	451.9
160°	456.3	456.9	457.4	458.0	458.5	458.5	458.0	457.6	457.1	456.6	456.7
162.5°	461.1	461.6	462.1	462.6	463.1	463.0	462.6	462.0	461.4	460.9	461.0
165°	467.0	467.5	468.1	468.6	469.1	469.1	468.5	467.9	467.2	466.6	466.7
167.5°	471.2	471.8	472.5	473.0	473.6	473.6	473.0	472.5	471.8	471.2	471.2
170°	473.7	474.4	475.0	475.6	476.3	476.3	475.6	475.0	474.4	473.7	473.7
172.5°	475.2	475.9	476.5	477.2	477.9	477.9	477.3	476.7	476.0	475.4	475.4
175°	477.3	477.9	478.6	479.2	479.8	479.8	479.3	478.7	478.2	477.6	477.5
177.5°	477.9	478.6	479.2	479.8	480.5	480.5	480.0	479.5	479.0	478.5	478.4
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	882.5	879.9	877.2	872.6	868.6	862.9	861.3	859.3	853.3	848.0	844.1
5°	936.4	926.5	912.0	898.7	888.0	873.4	865.1	856.4	844.0	832.7	823.6
7.5°	992.8	973.3	950.7	926.3	903.6	881.7	864.0	848.3	830.8	814.4	801.5
10°	1037.6	1009.4	977.9	943.9	914.9	886.7	863.0	842.3	819.9	800.4	784.3
12.5°	1088.7	1046.9	1003.5	962.2	927.8	888.7	860.1	833.7	808.3	784.8	766.7
15°	1149.2	1096.1	1044.7	987.9	935.6	886.7	852.7	819.5	790.0	766.0	742.8
17.5°	1204.3	1144.1	1076.3	1007.3	944.2	886.2	838.6	801.1	764.2	734.8	711.7
20°	1235.5	1167.0	1090.3	1018.6	948.9	884.2	831.9	787.1	747.3	716.2	690.1
22.5°	1262.3	1182.3	1102.9	1026.2	948.6	878.8	819.7	773.6	730.4	700.0	672.2
25°	1290.2	1194.4	1114.8	1024.8	938.1	865.9	799.5	747.3	704.2	668.5	639.9
27.5°	1314.1	1193.6	1099.1	1002.3	921.7	849.4	778.5	722.5	676.7	637.9	608.9
30°	1330.0	1195.2	1082.8	987.1	905.8	831.1	762.2	705.8	657.7	618.4	591.0
32.5°	1340.0	1194.2	1067.9	965.8	880.5	814.5	744.7	686.3	636.8	598.1	571.7
35°	1345.8	1186.9	1042.2	921.9	839.8	775.5	717.1	656.5	604.7	568.5	538.8
37.5°	1334.2	1171.6	1012.3	879.6	789.7	726.4	677.2	625.7	576.1	536.3	510.6
40°	1315.9	1161.7	989.1	849.8	755.2	694.3	652.4	601.7	552.8	515.1	491.0
42.5°	1281.0	1141.4	963.5	816.6	719.4	658.4	619.9	577.6	531.2	495.8	471.8
45°	1196.0	1097.3	925.3	766.8	666.5	603.4	569.4	538.8	496.9	462.4	441.6
47.5°	1078.1	1031.1	869.8	714.3	611.2	550.6	515.2	490.5	459.9	432.1	412.3
50°	996.2	976.7	832.3	678.5	574.4	515.1	481.1	458.7	436.7	408.9	390.7
52.5°	901.6	913.6	788.5	641.4	536.9	478.6	446.6	428.8	408.8	386.0	370.1
55°	768.5	812.0	712.9	578.9	481.1	425.5	395.2	379.5	367.9	350.9	337.2
57.5°	643.8	699.3	631.1	514.7	426.3	378.3	349.3	332.1	324.6	315.8	305.0
60°	569.8	624.6	572.7	471.5	389.4	343.8	318.1	303.6	296.1	289.9	280.7
62.5°	503.8	559.2	515.6	427.8	353.2	310.9	288.6	274.4	268.5	265.3	257.5
65°	413.0	460.7	431.7	359.6	301.5	264.2	243.8	233.9	228.5	227.3	222.3
67.5°	336.2	372.5	351.3	298.3	252.5	220.3	203.0	194.6	190.4	190.0	186.3
70°	285.7	319.7	303.6	255.5	216.1	190.8	175.9	168.3	165.9	165.5	163.4
72.5°	246.6	270.3	257.5	217.3	186.9	163.9	153.0	145.1	142.4	142.9	141.5
75°	182.4	200.3	192.8	165.1	140.6	125.6	116.5	111.5	109.1	110.4	108.7
77.5°	131.3	142.6	135.9	116.6	101.6	90.7	84.1	81.0	78.7	78.7	77.9
80°	99.1	105.8	102.0	90.4	78.0	68.8	63.5	61.4	60.1	59.7	59.3
82.5°	70.6	76.2	71.9	63.8	55.4	49.9	46.9	44.1	43.3	43.5	43.0
85°	35.6	37.7	36.0	31.1	27.8	25.3	23.6	22.4	21.5	21.9	21.2
87.5°	13.5	13.7	12.5	11.0	10.1	9.0	8.9	8.0	7.5	7.7	7.5
90°	6.5	5.5	4.4	3.5	2.7	1.9	1.1	0.3	1.1	1.9	2.7
92.5°	7.5	6.8	6.0	5.7	5.9	6.2	6.4	6.7	6.4	6.2	5.9
95°	9.3	8.4	7.5	8.7	12.0	15.2	18.5	21.7	18.5	15.2	12.0
97.5°	22.8	28.5	34.2	37.8	39.3	40.7	42.1	43.6	42.1	40.7	39.3
100°	36.4	48.8	61.1	66.5	64.9	63.3	61.7	60.1	61.7	63.3	64.9
102.5°	50.4	63.8	77.3	83.5	82.4	81.2	80.1	78.9	80.1	81.2	82.4
105°	92.2	99.3	106.4	109.6	108.7	107.8	106.9	106.1	106.9	107.8	108.7
107.5°	140.6	139.5	138.4	137.4	136.7	136.1	135.4	134.7	135.4	136.1	136.7
110°	158.8	157.9	157.0	156.3	155.7	155.0	154.4	153.8	154.4	155.0	155.7



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	176.7	175.9	175.0	174.3	173.6	173.1	172.5	172.0	172.5	173.1	173.6
115°	202.9	202.2	201.5	200.8	200.3	199.9	199.4	198.9	199.4	199.9	200.3
117.5°	228.6	228.2	227.9	227.4	226.8	226.2	225.7	225.1	225.7	226.2	226.8
120°	245.1	244.9	244.6	244.2	243.4	242.7	242.0	241.3	242.0	242.7	243.4
122.5°	261.2	260.9	260.6	260.2	259.6	259.0	258.4	257.9	258.4	259.0	259.6
125°	284.1	283.8	283.4	283.0	282.3	281.7	281.1	280.4	281.1	281.7	282.3
127.5°	306.2	305.8	305.4	304.9	304.3	303.6	303.0	302.4	303.0	303.6	304.3
130°	319.7	319.4	319.1	318.6	318.0	317.3	316.7	316.1	316.7	317.3	318.0
132.5°	332.6	332.4	332.1	331.7	331.1	330.4	329.8	329.2	329.8	330.4	331.1
135°	352.0	351.7	351.4	351.0	350.5	350.1	349.6	349.1	349.6	350.1	350.5
137.5°	369.4	369.2	369.0	368.6	368.0	367.4	366.9	366.2	366.9	367.4	368.0
140°	380.3	380.1	379.9	379.5	379.1	378.6	378.1	377.6	378.1	378.6	379.1
142.5°	390.9	390.6	390.4	390.1	389.6	389.1	388.6	388.2	388.6	389.1	389.6
145°	405.8	405.6	405.4	405.1	404.6	404.0	403.5	402.9	403.5	404.0	404.6
147.5°	418.8	418.7	418.5	418.2	417.9	417.5	417.2	416.8	417.2	417.5	417.9
150°	426.7	426.6	426.4	426.3	426.0	425.8	425.6	425.3	425.6	425.8	426.0
152.5°	433.7	433.6	433.6	433.5	433.3	433.2	433.1	433.0	433.1	433.2	433.3
155°	443.3	443.2	443.1	443.2	443.4	443.5	443.6	443.8	443.6	443.5	443.4
157.5°	451.9	452.0	452.1	452.2	452.2	452.2	452.2	452.3	452.2	452.2	452.2
160°	456.8	456.9	456.9	457.0	457.1	457.2	457.2	457.3	457.2	457.2	457.1
162.5°	461.1	461.1	461.2	461.4	461.6	461.8	462.0	462.2	462.0	461.8	461.6
165°	466.8	466.8	466.9	467.1	467.3	467.5	467.8	468.0	467.8	467.5	467.3
167.5°	471.2	471.2	471.2	471.3	471.7	472.0	472.3	472.6	472.3	472.0	471.7
170°	473.7	473.7	473.7	473.9	474.2	474.5	474.8	475.2	474.8	474.5	474.2
172.5°	475.3	475.2	475.2	475.3	475.7	476.1	476.5	476.8	476.5	476.1	475.7
175°	477.4	477.4	477.3	477.4	477.8	478.2	478.6	479.0	478.6	478.2	477.8
177.5°	478.3	478.3	478.2	478.3	478.6	479.0	479.3	479.6	479.3	479.0	478.6
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	841.7	839.4	836.1	831.1	827.1	820.8	820.8	821.8	821.8	821.5	820.8
5°	816.2	809.9	802.5	793.8	784.7	775.5	773.9	770.6	768.1	766.4	764.3
7.5°	789.3	778.2	767.3	755.1	744.0	734.8	728.4	723.1	719.7	716.1	713.4
10°	771.0	757.2	744.4	731.6	717.5	706.3	699.3	694.3	690.5	687.2	685.6
12.5°	749.4	733.7	719.5	707.3	691.9	680.4	673.7	671.4	666.9	660.0	656.3
15°	717.9	703.4	686.3	667.7	660.2	646.1	638.3	634.5	632.0	626.6	625.0
17.5°	690.9	671.9	652.8	638.9	625.0	613.6	609.2	604.6	601.3	596.8	595.6
20°	669.4	652.4	634.9	620.0	605.5	593.0	589.3	586.0	582.7	580.6	578.9
22.5°	647.5	630.5	616.0	602.1	586.6	578.5	574.4	570.8	568.4	567.0	565.4
25°	616.7	601.7	585.6	573.1	560.7	555.3	552.8	550.7	549.1	547.0	546.6
27.5°	589.1	572.9	559.8	548.2	539.2	534.7	532.3	531.3	531.7	532.4	532.9
30°	568.5	553.7	542.9	532.9	524.7	520.5	520.1	520.1	521.7	522.1	523.0
32.5°	549.7	537.4	526.6	517.0	510.7	507.9	509.5	509.5	510.8	511.8	513.3
35°	522.1	511.4	503.0	494.8	489.4	490.6	491.5	492.3	494.3	496.9	498.5
37.5°	495.8	486.5	477.8	471.3	468.9	471.1	473.1	474.8	477.3	479.2	480.9
40°	476.9	469.8	461.6	455.7	456.6	457.9	459.5	461.6	463.7	464.9	466.6
42.5°	459.3	451.9	445.7	440.8	442.0	443.6	444.6	445.7	448.1	450.3	451.3
45°	432.5	426.7	421.0	418.0	418.9	419.7	420.5	421.8	423.8	425.5	426.0
47.5°	402.4	398.4	394.5	391.7	393.0	392.7	393.7	396.4	397.0	398.1	400.4
50°	383.2	379.5	374.9	374.1	374.1	374.1	374.5	377.8	377.8	379.5	381.1
52.5°	361.9	359.6	356.6	355.1	354.5	354.5	356.2	357.9	358.5	360.9	362.6
55°	330.5	328.0	325.6	324.3	323.4	324.3	327.6	328.4	330.5	331.8	333.0
57.5°	297.8	295.9	293.9	293.2	293.0	294.1	296.0	298.4	299.0	302.8	304.7
60°	276.2	273.3	271.6	271.6	270.8	274.6	273.7	277.9	278.7	281.1	284.1
62.5°	254.0	250.1	249.4	249.4	250.6	251.7	252.8	254.6	256.8	259.9	262.2
65°	218.2	216.1	219.0	218.6	217.7	220.2	220.2	222.3	224.7	227.7	232.3
67.5°	184.2	183.2	183.4	183.4	184.7	186.1	187.2	189.0	192.0	195.1	198.0
70°	161.3	162.6	160.5	162.2	163.4	163.8	164.6	167.2	170.5	172.5	175.9
72.5°	139.1	139.0	139.3	139.9	141.2	141.9	142.8	145.6	149.2	151.0	153.6
75°	107.0	106.5	107.8	107.8	109.9	110.7	111.5	112.8	116.1	118.6	120.6
77.5°	78.1	78.7	78.3	79.8	79.2	79.4	81.9	83.2	83.5	88.4	89.5
80°	58.9	59.7	60.1	60.5	61.0	60.1	63.1	64.2	64.2	67.2	69.2
82.5°	42.3	42.8	43.9	44.3	44.4	45.2	45.5	46.3	47.4	48.6	51.3
85°	21.2	22.4	22.8	22.4	22.8	21.9	23.2	23.6	24.1	24.1	24.1
87.5°	7.4	7.8	7.8	8.2	8.2	8.7	8.7	8.2	8.2	9.3	8.0
90°	3.5	4.4	5.5	6.5	7.5	8.6	8.9	9.2	9.5	9.8	10.1
92.5°	5.7	6.0	6.8	7.5	8.3	9.1	9.6	10.1	10.6	11.2	11.4
95°	8.7	7.5	8.4	9.3	10.1	11.0	11.6	12.1	12.7	13.2	13.5
97.5°	37.8	34.2	28.5	22.8	17.2	11.5	12.1	12.8	13.4	14.0	14.3
100°	66.5	61.1	48.8	36.4	24.1	11.7	12.4	13.0	13.6	14.3	14.7
102.5°	83.5	77.3	63.8	50.4	36.9	23.4	21.5	19.5	17.5	15.6	14.7
105°	109.6	106.4	99.3	92.2	85.1	78.0	63.9	49.9	36.0	21.9	15.1
107.5°	137.4	138.4	139.5	140.6	141.7	142.8	132.6	122.3	112.1	101.8	91.4
110°	156.3	157.0	157.9	158.8	159.6	160.5	157.9	155.3	152.7	150.0	143.1



TEST NUMBER: P332150-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	174.3	175.0	175.9	176.7	177.6	178.5	178.5	178.6	178.6	178.6	177.4
115°	200.8	201.5	202.2	202.9	203.6	204.3	205.1	205.9	206.7	207.5	208.0
117.5°	227.4	227.9	228.2	228.6	229.0	229.3	230.0	230.6	231.2	231.9	232.2
120°	244.2	244.6	244.9	245.1	245.3	245.6	246.2	246.8	247.5	248.1	248.4
122.5°	260.2	260.6	260.9	261.2	261.5	261.8	262.2	262.7	263.2	263.6	263.8
125°	283.0	283.4	283.8	284.1	284.4	284.7	284.9	285.0	285.2	285.3	285.5
127.5°	304.9	305.4	305.8	306.2	306.6	307.0	307.2	307.4	307.7	307.9	308.0
130°	318.6	319.1	319.4	319.7	320.0	320.3	320.6	320.9	321.2	321.5	321.6
132.5°	331.7	332.1	332.4	332.6	332.9	333.1	333.4	333.7	334.1	334.4	334.5
135°	351.0	351.4	351.7	352.0	352.4	352.7	352.9	353.2	353.4	353.6	353.6
137.5°	368.6	369.0	369.2	369.4	369.6	369.7	370.1	370.5	370.8	371.2	371.4
140°	379.5	379.9	380.1	380.3	380.6	380.8	381.1	381.4	381.8	382.1	382.1
142.5°	390.1	390.4	390.6	390.9	391.1	391.3	391.6	391.9	392.1	392.4	392.4
145°	405.1	405.4	405.6	405.8	405.9	406.1	406.2	406.4	406.5	406.7	406.8
147.5°	418.2	418.5	418.7	418.8	419.0	419.1	419.3	419.5	419.6	419.8	419.6
150°	426.3	426.4	426.6	426.7	426.9	427.1	427.2	427.4	427.5	427.7	427.7
152.5°	433.5	433.6	433.6	433.7	433.8	434.0	434.2	434.5	434.7	435.1	435.0
155°	443.2	443.1	443.2	443.3	443.4	443.5	443.9	444.3	444.7	445.0	445.0
157.5°	452.2	452.1	452.0	451.9	451.9	451.8	452.3	452.7	453.2	453.7	453.6
160°	457.0	456.9	456.9	456.8	456.7	456.6	457.1	457.6	458.0	458.5	458.5
162.5°	461.4	461.2	461.1	461.1	461.0	460.9	461.4	462.0	462.6	463.0	463.1
165°	467.1	466.9	466.8	466.8	466.7	466.6	467.2	467.9	468.5	469.1	469.1
167.5°	471.3	471.2	471.2	471.2	471.2	471.2	471.8	472.5	473.0	473.6	473.6
170°	473.9	473.7	473.7	473.7	473.7	473.7	474.4	475.0	475.6	476.3	476.3
172.5°	475.3	475.2	475.2	475.3	475.4	475.4	476.0	476.7	477.3	477.9	477.9
175°	477.4	477.3	477.4	477.4	477.5	477.6	478.2	478.7	479.3	479.8	479.8
177.5°	478.3	478.2	478.3	478.3	478.4	478.5	479.0	479.5	480.0	480.5	480.5
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	818.5	818.2	820.5	818.8	820.5	818.2	818.5	820.8	821.5	821.8	821.8
5°	761.8	763.1	758.9	758.9	758.9	763.1	761.8	764.3	766.4	768.1	770.6
7.5°	711.4	709.6	709.7	707.5	709.7	709.6	711.4	713.4	716.1	719.7	723.1
10°	680.6	678.1	677.2	677.6	677.2	678.1	680.6	685.6	687.2	690.5	694.3
12.5°	655.0	654.5	649.0	649.1	649.0	654.5	655.0	656.3	660.0	666.9	671.4
15°	625.0	617.1	616.2	618.8	616.2	617.1	625.0	625.0	626.6	632.0	634.5
17.5°	594.8	590.7	591.0	589.7	591.0	590.7	594.8	595.6	596.8	601.3	604.6
20°	578.9	576.5	576.1	573.1	576.1	576.5	578.9	578.9	580.6	582.7	586.0
22.5°	564.4	563.6	563.8	560.5	563.8	563.6	564.4	565.4	567.0	568.4	570.8
25°	546.2	548.3	546.6	546.6	546.6	548.3	546.2	546.6	547.0	549.1	550.7
27.5°	533.9	533.9	533.0	533.0	533.0	533.9	533.9	532.9	532.4	531.7	531.3
30°	524.7	524.2	525.1	525.1	525.1	524.2	524.7	523.0	522.1	521.7	520.1
32.5°	515.3	515.9	516.1	516.4	516.1	515.9	515.3	513.3	511.8	510.8	509.5
35°	501.0	501.4	502.6	501.8	502.6	501.4	501.0	498.5	496.9	494.3	492.3
37.5°	481.6	483.5	483.1	483.7	483.1	483.5	481.6	480.9	479.2	477.3	474.8
40°	467.0	468.3	467.8	467.8	467.8	468.3	467.0	466.6	464.9	463.7	461.6
42.5°	452.0	453.0	451.9	451.2	451.9	453.0	452.0	451.3	450.3	448.1	445.7
45°	427.5	426.7	428.0	426.4	428.0	426.7	427.5	426.0	425.5	423.8	421.8
47.5°	400.2	401.0	401.4	402.6	401.4	401.0	400.2	400.4	398.1	397.0	396.4
50°	382.0	384.4	384.4	384.0	384.4	384.4	382.0	381.1	379.5	377.8	377.8
52.5°	364.0	365.2	366.9	366.8	366.9	365.2	364.0	362.6	360.9	358.5	357.9
55°	336.4	337.2	338.0	338.4	338.0	337.2	336.4	333.0	331.8	330.5	328.4
57.5°	307.6	307.3	309.3	309.9	309.3	307.3	307.6	304.7	302.8	299.0	298.4
60°	287.4	287.4	290.7	292.0	290.7	287.4	287.4	284.1	281.1	278.7	277.9
62.5°	265.9	267.2	270.5	268.7	270.5	267.2	265.9	262.2	259.9	256.8	254.6
65°	234.3	237.7	237.3	238.8	237.3	237.7	234.3	232.3	227.7	224.7	222.3
67.5°	201.4	203.4	206.4	206.7	206.4	203.4	201.4	198.0	195.1	192.0	189.0
70°	179.2	181.3	182.9	184.1	182.9	181.3	179.2	175.9	172.5	170.5	167.2
72.5°	157.6	158.7	162.6	160.9	162.6	158.7	157.6	153.6	151.0	149.2	145.6
75°	123.6	126.5	129.0	127.7	129.0	126.5	123.6	120.6	118.6	116.1	112.8
77.5°	91.4	94.3	95.5	94.4	95.5	94.3	91.4	89.5	88.4	83.5	83.2
80°	72.2	71.8	74.2	73.8	74.2	71.8	72.2	69.2	67.2	64.2	64.2
82.5°	52.9	52.5	53.6	53.9	53.6	52.5	52.9	51.3	48.6	47.4	46.3
85°	25.7	26.9	25.3	24.9	25.3	26.9	25.7	24.1	24.1	24.1	23.6
87.5°	8.0	8.1	7.8	7.4	7.8	8.1	8.0	8.0	9.3	8.2	8.2
90°	10.2	10.4	10.5	10.7	10.5	10.4	10.2	10.1	9.8	9.5	9.2
92.5°	11.6	11.6	11.7	11.8	11.7	11.6	11.6	11.4	11.2	10.6	10.1
95°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2	12.7	12.1
97.5°	14.4	14.5	14.6	14.7	14.6	14.5	14.4	14.3	14.0	13.4	12.8
100°	14.7	14.8	14.9	15.0	14.9	14.8	14.7	14.7	14.3	13.6	13.0
102.5°	14.8	15.0	15.1	15.2	15.1	15.0	14.8	14.7	15.6	17.5	19.5
105°	15.2	15.4	15.5	15.7	15.5	15.4	15.2	15.1	21.9	36.0	49.9
107.5°	80.8	70.3	59.7	49.2	59.7	70.3	80.8	91.4	101.8	112.1	122.3
110°	131.8	120.5	109.2	97.9	109.2	120.5	131.8	143.1	150.0	152.7	155.3



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	175.1	172.7	170.3	167.9	170.3	172.7	175.1	177.4	178.6	178.6	178.6
115°	208.3	208.7	209.0	209.3	209.0	208.7	208.3	208.0	207.5	206.7	205.9
117.5°	232.3	232.3	232.4	232.5	232.4	232.3	232.3	232.2	231.9	231.2	230.6
120°	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.1	247.5	246.8
122.5°	263.9	264.0	264.0	264.1	264.0	264.0	263.9	263.8	263.6	263.2	262.7
125°	285.7	285.8	286.0	286.1	286.0	285.8	285.7	285.5	285.3	285.2	285.0
127.5°	307.8	307.7	307.5	307.4	307.5	307.7	307.8	308.0	307.9	307.7	307.4
130°	321.5	321.3	321.2	321.0	321.2	321.3	321.5	321.6	321.5	321.2	320.9
132.5°	334.2	334.0	333.7	333.6	333.7	334.0	334.2	334.5	334.4	334.1	333.7
135°	353.4	353.2	352.9	352.7	352.9	353.2	353.4	353.6	353.6	353.4	353.2
137.5°	371.2	371.1	370.9	370.7	370.9	371.1	371.2	371.4	371.2	370.8	370.5
140°	382.0	381.8	381.7	381.5	381.7	381.8	382.0	382.1	382.1	381.8	381.4
142.5°	392.1	392.0	391.7	391.5	391.7	392.0	392.1	392.4	392.4	392.1	391.9
145°	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.7	406.5	406.4
147.5°	419.3	418.9	418.6	418.2	418.6	418.9	419.3	419.6	419.8	419.6	419.5
150°	427.5	427.2	427.0	426.7	427.0	427.2	427.5	427.7	427.7	427.5	427.4
152.5°	434.7	434.3	434.0	433.6	434.0	434.3	434.7	435.0	435.1	434.7	434.5
155°	444.5	444.0	443.5	443.1	443.5	444.0	444.5	445.0	445.0	444.7	444.3
157.5°	453.0	452.4	451.8	451.1	451.8	452.4	453.0	453.6	453.7	453.2	452.7
160°	458.0	457.4	456.9	456.3	456.9	457.4	458.0	458.5	458.5	458.0	457.6
162.5°	462.6	462.1	461.6	461.1	461.6	462.1	462.6	463.1	463.0	462.6	462.0
165°	468.6	468.1	467.5	467.0	467.5	468.1	468.6	469.1	469.1	468.5	467.9
167.5°	473.0	472.5	471.8	471.2	471.8	472.5	473.0	473.6	473.6	473.0	472.5
170°	475.6	475.0	474.4	473.7	474.4	475.0	475.6	476.3	476.3	475.6	475.0
172.5°	477.2	476.5	475.9	475.2	475.9	476.5	477.2	477.9	477.9	477.3	476.7
175°	479.2	478.6	477.9	477.3	477.9	478.6	479.2	479.8	479.8	479.3	478.7
177.5°	479.8	479.2	478.6	477.9	478.6	479.2	479.8	480.5	480.5	480.0	479.5
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	820.8	820.8	827.1	831.1	836.1	839.4	841.7	844.1	848.0	853.3	859.3
5°	773.9	775.5	784.7	793.8	802.5	809.9	816.2	823.6	832.7	844.0	856.4
7.5°	728.4	734.8	744.0	755.1	767.3	778.2	789.3	801.5	814.4	830.8	848.3
10°	699.3	706.3	717.5	731.6	744.4	757.2	771.0	784.3	800.4	819.9	842.3
12.5°	673.7	680.4	691.9	707.3	719.5	733.7	749.4	766.7	784.8	808.3	833.7
15°	638.3	646.1	660.2	667.7	686.3	703.4	717.9	742.8	766.0	790.0	819.5
17.5°	609.2	613.6	625.0	638.9	652.8	671.9	690.9	711.7	734.8	764.2	801.1
20°	589.3	593.0	605.5	620.0	634.9	652.4	669.4	690.1	716.2	747.3	787.1
22.5°	574.4	578.5	586.6	602.1	616.0	630.5	647.5	672.2	700.0	730.4	773.6
25°	552.8	555.3	560.7	573.1	585.6	601.7	616.7	639.9	668.5	704.2	747.3
27.5°	532.3	534.7	539.2	548.2	559.8	572.9	589.1	608.9	637.9	676.7	722.5
30°	520.1	520.5	524.7	532.9	542.9	553.7	568.5	591.0	618.4	657.7	705.8
32.5°	509.5	507.9	510.7	517.0	526.6	537.4	549.7	571.7	598.1	636.8	686.3
35°	491.5	490.6	489.4	494.8	503.0	511.4	522.1	538.8	568.5	604.7	656.5
37.5°	473.1	471.1	468.9	471.3	477.8	486.5	495.8	510.6	536.3	576.1	625.7
40°	459.5	457.9	456.6	455.7	461.6	469.8	476.9	491.0	515.1	552.8	601.7
42.5°	444.6	443.6	442.0	440.8	445.7	451.9	459.3	471.8	495.8	531.2	577.6
45°	420.5	419.7	418.9	418.0	421.0	426.7	432.5	441.6	462.4	496.9	538.8
47.5°	393.7	392.7	393.0	391.7	394.5	398.4	402.4	412.3	432.1	459.9	490.5
50°	374.5	374.1	374.1	374.1	374.9	379.5	383.2	390.7	408.9	436.7	458.7
52.5°	356.2	354.5	354.5	355.1	356.6	359.6	361.9	370.1	386.0	408.8	428.8
55°	327.6	324.3	323.4	324.3	325.6	328.0	330.5	337.2	350.9	367.9	379.5
57.5°	296.0	294.1	293.0	293.2	293.9	295.9	297.8	305.0	315.8	324.6	332.1
60°	273.7	274.6	270.8	271.6	271.6	273.3	276.2	280.7	289.9	296.1	303.6
62.5°	252.8	251.7	250.6	249.4	249.4	250.1	254.0	257.5	265.3	268.5	274.4
65°	220.2	220.2	217.7	218.6	219.0	216.1	218.2	222.3	227.3	228.5	233.9
67.5°	187.2	186.1	184.7	183.4	183.4	183.2	184.2	186.3	190.0	190.4	194.6
70°	164.6	163.8	163.4	162.2	160.5	162.6	161.3	163.4	165.5	165.9	168.3
72.5°	142.8	141.9	141.2	139.9	139.3	139.0	139.1	141.5	142.9	142.4	145.1
75°	111.5	110.7	109.9	107.8	107.8	106.5	107.0	108.7	110.4	109.1	111.5
77.5°	81.9	79.4	79.2	79.8	78.3	78.7	78.1	77.9	78.7	78.7	81.0
80°	63.1	60.1	61.0	60.5	60.1	59.7	58.9	59.3	59.7	60.1	61.4
82.5°	45.5	45.2	44.4	44.3	43.9	42.8	42.3	43.0	43.5	43.3	44.1
85°	23.2	21.9	22.8	22.4	22.8	22.4	21.2	21.2	21.9	21.5	22.4
87.5°	8.7	8.7	8.2	8.2	7.8	7.8	7.4	7.5	7.7	7.5	8.0
90°	8.9	8.6	7.5	6.5	5.5	4.4	3.5	2.7	1.9	1.1	0.3
92.5°	9.6	9.1	8.3	7.5	6.8	6.0	5.7	5.9	6.2	6.4	6.7
95°	11.6	11.0	10.1	9.3	8.4	7.5	8.7	12.0	15.2	18.5	21.7
97.5°	12.1	11.5	17.2	22.8	28.5	34.2	37.8	39.3	40.7	42.1	43.6
100°	12.4	11.7	24.1	36.4	48.8	61.1	66.5	64.9	63.3	61.7	60.1
102.5°	21.5	23.4	36.9	50.4	63.8	77.3	83.5	82.4	81.2	80.1	78.9
105°	63.9	78.0	85.1	92.2	99.3	106.4	109.6	108.7	107.8	106.9	106.1
107.5°	132.6	142.8	141.7	140.6	139.5	138.4	137.4	136.7	136.1	135.4	134.7
110°	157.9	160.5	159.6	158.8	157.9	157.0	156.3	155.7	155.0	154.4	153.8



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	178.5	178.5	177.6	176.7	175.9	175.0	174.3	173.6	173.1	172.5	172.0
115°	205.1	204.3	203.6	202.9	202.2	201.5	200.8	200.3	199.9	199.4	198.9
117.5°	230.0	229.3	229.0	228.6	228.2	227.9	227.4	226.8	226.2	225.7	225.1
120°	246.2	245.6	245.3	245.1	244.9	244.6	244.2	243.4	242.7	242.0	241.3
122.5°	262.2	261.8	261.5	261.2	260.9	260.6	260.2	259.6	259.0	258.4	257.9
125°	284.9	284.7	284.4	284.1	283.8	283.4	283.0	282.3	281.7	281.1	280.4
127.5°	307.2	307.0	306.6	306.2	305.8	305.4	304.9	304.3	303.6	303.0	302.4
130°	320.6	320.3	320.0	319.7	319.4	319.1	318.6	318.0	317.3	316.7	316.1
132.5°	333.4	333.1	332.9	332.6	332.4	332.1	331.7	331.1	330.4	329.8	329.2
135°	352.9	352.7	352.4	352.0	351.7	351.4	351.0	350.5	350.1	349.6	349.1
137.5°	370.1	369.7	369.6	369.4	369.2	369.0	368.6	368.0	367.4	366.9	366.2
140°	381.1	380.8	380.6	380.3	380.1	379.9	379.5	379.1	378.6	378.1	377.6
142.5°	391.6	391.3	391.1	390.9	390.6	390.4	390.1	389.6	389.1	388.6	388.2
145°	406.2	406.1	405.9	405.8	405.6	405.4	405.1	404.6	404.0	403.5	402.9
147.5°	419.3	419.1	419.0	418.8	418.7	418.5	418.2	417.9	417.5	417.2	416.8
150°	427.2	427.1	426.9	426.7	426.6	426.4	426.3	426.0	425.8	425.6	425.3
152.5°	434.2	434.0	433.8	433.7	433.6	433.6	433.5	433.3	433.2	433.1	433.0
155°	443.9	443.5	443.4	443.3	443.2	443.1	443.2	443.4	443.5	443.6	443.8
157.5°	452.3	451.8	451.9	451.9	452.0	452.1	452.2	452.2	452.2	452.2	452.3
160°	457.1	456.6	456.7	456.8	456.9	456.9	457.0	457.1	457.2	457.2	457.3
162.5°	461.4	460.9	461.0	461.1	461.1	461.2	461.4	461.6	461.8	462.0	462.2
165°	467.2	466.6	466.7	466.8	466.8	466.9	467.1	467.3	467.5	467.8	468.0
167.5°	471.8	471.2	471.2	471.2	471.2	471.2	471.3	471.7	472.0	472.3	472.6
170°	474.4	473.7	473.7	473.7	473.7	473.7	473.9	474.2	474.5	474.8	475.2
172.5°	476.0	475.4	475.4	475.3	475.2	475.2	475.3	475.7	476.1	476.5	476.8
175°	478.2	477.6	477.5	477.4	477.4	477.3	477.4	477.8	478.2	478.6	479.0
177.5°	479.0	478.5	478.4	478.3	478.3	478.2	478.3	478.6	479.0	479.3	479.6
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	861.3	862.9	868.6	872.6	877.2	879.9	882.5	884.6	887.2	887.8	897.5
5°	865.1	873.4	888.0	898.7	912.0	926.5	936.4	941.0	953.0	963.0	982.9
7.5°	864.0	881.7	903.6	926.3	950.7	973.3	992.8	1016.1	1032.6	1057.4	1081.8
10°	863.0	886.7	914.9	943.9	977.9	1009.4	1037.6	1069.1	1095.3	1129.7	1159.1
12.5°	860.1	888.7	927.8	962.2	1003.5	1046.9	1088.7	1129.2	1152.3	1209.7	1236.8
15°	852.7	886.7	935.6	987.9	1044.7	1096.1	1149.2	1191.5	1259.9	1310.1	1342.0
17.5°	838.6	886.2	944.2	1007.3	1076.3	1144.1	1204.3	1268.4	1341.0	1401.8	1466.5
20°	831.9	884.2	948.9	1018.6	1090.3	1167.0	1235.5	1312.6	1391.8	1451.5	1534.5
22.5°	819.7	878.8	948.6	1026.2	1102.9	1182.3	1262.3	1340.1	1431.6	1513.9	1592.8
25°	799.5	865.9	938.1	1024.8	1114.8	1194.4	1290.2	1393.4	1488.8	1594.6	1673.4
27.5°	778.5	849.4	921.7	1002.3	1099.1	1193.6	1314.1	1430.8	1547.4	1638.7	1697.0
30°	762.2	831.1	905.8	987.1	1082.8	1195.2	1330.0	1457.3	1571.0	1649.3	1682.1
32.5°	744.7	814.5	880.5	965.8	1067.9	1194.2	1340.0	1472.9	1572.3	1624.4	1618.1
35°	717.1	775.5	839.8	921.9	1042.2	1186.9	1345.8	1474.3	1535.3	1524.1	1439.5
37.5°	677.2	726.4	789.7	879.6	1012.3	1171.6	1334.2	1430.6	1426.6	1335.5	1212.9
40°	652.4	694.3	755.2	849.8	989.1	1161.7	1315.9	1378.6	1325.5	1198.1	1051.3
42.5°	619.9	658.4	719.4	816.6	963.5	1141.4	1281.0	1299.3	1195.4	1048.8	914.3
45°	569.4	603.4	666.5	766.8	925.3	1097.3	1196.0	1151.7	1011.9	860.5	758.1
47.5°	515.2	550.6	611.2	714.3	869.8	1031.1	1078.1	983.7	840.2	717.5	623.4
50°	481.1	515.1	574.4	678.5	832.3	976.7	996.2	874.3	742.4	634.5	557.4
52.5°	446.6	478.6	536.9	641.4	788.5	913.6	901.6	777.4	656.1	564.2	503.7
55°	395.2	425.5	481.1	578.9	712.9	812.0	768.5	649.9	549.5	478.2	432.1
57.5°	349.3	378.3	426.3	514.7	631.1	699.3	643.8	543.8	464.1	409.2	374.9
60°	318.1	343.8	389.4	471.5	572.7	624.6	569.8	481.5	414.3	370.3	339.7
62.5°	288.6	310.9	353.2	427.8	515.6	559.2	503.8	429.0	371.9	332.9	306.8
65°	243.8	264.2	301.5	359.6	431.7	460.7	413.0	352.5	308.2	279.1	261.7
67.5°	203.0	220.3	252.5	298.3	351.3	372.5	336.2	289.3	255.9	232.6	218.7
70°	175.9	190.8	216.1	255.5	303.6	319.7	285.7	247.2	222.7	204.1	191.2
72.5°	153.0	163.9	186.9	217.3	257.5	270.3	246.6	212.7	189.9	175.9	165.6
75°	116.5	125.6	140.6	165.1	192.8	200.3	182.4	161.3	146.0	136.0	128.2
77.5°	84.1	90.7	101.6	116.6	135.9	142.6	131.3	117.2	106.0	99.3	94.9
80°	63.5	68.8	78.0	90.4	102.0	105.8	99.1	88.3	80.5	76.8	73.0
82.5°	46.9	49.9	55.4	63.8	71.9	76.2	70.6	64.1	59.9	56.5	55.1
85°	23.6	25.3	27.8	31.1	36.0	37.7	35.6	34.0	31.5	29.5	29.5
87.5°	8.9	9.0	10.1	11.0	12.5	13.7	13.5	13.2	13.0	12.8	12.4
90°	1.1	1.9	2.7	3.5	4.4	5.5	6.5	7.5	8.6	8.9	9.2
92.5°	6.4	6.2	5.9	5.7	6.0	6.8	7.5	8.3	9.1	9.6	10.1
95°	18.5	15.2	12.0	8.7	7.5	8.4	9.3	10.1	11.0	11.6	12.1
97.5°	42.1	40.7	39.3	37.8	34.2	28.5	22.8	17.2	11.5	12.1	12.8
100°	61.7	63.3	64.9	66.5	61.1	48.8	36.4	24.1	11.7	12.4	13.0
102.5°	80.1	81.2	82.4	83.5	77.3	63.8	50.4	36.9	23.4	21.5	19.5
105°	106.9	107.8	108.7	109.6	106.4	99.3	92.2	85.1	78.0	63.9	49.9
107.5°	135.4	136.1	136.7	137.4	138.4	139.5	140.6	141.7	142.8	132.6	122.3
110°	154.4	155.0	155.7	156.3	157.0	157.9	158.8	159.6	160.5	157.9	155.3



TEST NUMBER: P332150-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	172.5	173.1	173.6	174.3	175.0	175.9	176.7	177.6	178.5	178.5	178.6
115°	199.4	199.9	200.3	200.8	201.5	202.2	202.9	203.6	204.3	205.1	205.9
117.5°	225.7	226.2	226.8	227.4	227.9	228.2	228.6	229.0	229.3	230.0	230.6
120°	242.0	242.7	243.4	244.2	244.6	244.9	245.1	245.3	245.6	246.2	246.8
122.5°	258.4	259.0	259.6	260.2	260.6	260.9	261.2	261.5	261.8	262.2	262.7
125°	281.1	281.7	282.3	283.0	283.4	283.8	284.1	284.4	284.7	284.9	285.0
127.5°	303.0	303.6	304.3	304.9	305.4	305.8	306.2	306.6	307.0	307.2	307.4
130°	316.7	317.3	318.0	318.6	319.1	319.4	319.7	320.0	320.3	320.6	320.9
132.5°	329.8	330.4	331.1	331.7	332.1	332.4	332.6	332.9	333.1	333.4	333.7
135°	349.6	350.1	350.5	351.0	351.4	351.7	352.0	352.4	352.7	352.9	353.2
137.5°	366.9	367.4	368.0	368.6	369.0	369.2	369.4	369.6	369.7	370.1	370.5
140°	378.1	378.6	379.1	379.5	379.9	380.1	380.3	380.6	380.8	381.1	381.4
142.5°	388.6	389.1	389.6	390.1	390.4	390.6	390.9	391.1	391.3	391.6	391.9
145°	403.5	404.0	404.6	405.1	405.4	405.6	405.8	405.9	406.1	406.2	406.4
147.5°	417.2	417.5	417.9	418.2	418.5	418.7	418.8	419.0	419.1	419.3	419.5
150°	425.6	425.8	426.0	426.3	426.4	426.6	426.7	426.9	427.1	427.2	427.4
152.5°	433.1	433.2	433.3	433.5	433.6	433.6	433.7	433.8	434.0	434.2	434.5
155°	443.6	443.5	443.4	443.2	443.1	443.2	443.3	443.4	443.5	443.9	444.3
157.5°	452.2	452.2	452.2	452.2	452.1	452.0	451.9	451.9	451.8	452.3	452.7
160°	457.2	457.2	457.1	457.0	456.9	456.9	456.8	456.7	456.6	457.1	457.6
162.5°	462.0	461.8	461.6	461.4	461.2	461.1	461.1	461.0	460.9	461.4	462.0
165°	467.8	467.5	467.3	467.1	466.9	466.8	466.8	466.7	466.6	467.2	467.9
167.5°	472.3	472.0	471.7	471.3	471.2	471.2	471.2	471.2	471.2	471.8	472.5
170°	474.8	474.5	474.2	473.9	473.7	473.7	473.7	473.7	473.7	474.4	475.0
172.5°	476.5	476.1	475.7	475.3	475.2	475.2	475.3	475.4	475.4	476.0	476.7
175°	478.6	478.2	477.8	477.4	477.3	477.4	477.4	477.5	477.6	478.2	478.7
177.5°	479.3	479.0	478.6	478.3	478.2	478.3	478.3	478.4	478.5	479.0	479.5
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0	479.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	900.8	901.1	904.8	907.4	906.1	907.8	908.4
5°	984.1	999.1	1006.9	1012.7	1013.2	1013.6	1016.9
7.5°	1102.3	1118.3	1130.0	1147.8	1153.1	1159.1	1157.4
10°	1188.6	1212.2	1232.6	1243.3	1255.0	1271.9	1258.3
12.5°	1269.2	1311.1	1342.0	1358.8	1369.8	1373.2	1366.4
15°	1402.2	1456.9	1486.4	1485.5	1522.9	1539.1	1513.7
17.5°	1524.1	1574.6	1615.1	1635.9	1666.9	1673.8	1670.6
20°	1598.8	1653.9	1685.4	1721.1	1737.3	1751.8	1754.3
22.5°	1663.1	1712.6	1746.4	1776.2	1789.7	1796.6	1800.7
25°	1729.4	1768.4	1788.7	1799.0	1802.8	1802.0	1796.6
27.5°	1724.8	1727.8	1705.4	1683.5	1663.8	1641.6	1634.0
30°	1680.1	1645.2	1583.0	1547.8	1495.9	1454.8	1471.4
32.5°	1562.3	1492.9	1423.1	1346.0	1282.2	1264.1	1245.8
35°	1333.3	1211.4	1140.1	1057.1	1024.0	990.8	968.0
37.5°	1078.7	984.4	899.8	845.5	812.3	791.3	780.0
40°	932.7	847.7	778.0	734.0	708.8	685.2	681.8
42.5°	816.3	737.2	684.8	649.7	625.5	615.4	608.2
45°	668.5	613.4	578.1	553.3	537.1	530.8	522.5
47.5°	565.9	526.9	500.4	483.5	471.3	466.7	466.0
50°	508.4	476.1	456.6	443.3	433.8	432.1	425.5
52.5°	465.3	437.3	422.1	410.5	403.6	398.9	397.0
55°	403.9	385.2	371.6	365.0	359.6	355.0	355.0
57.5°	353.4	337.9	328.8	323.1	321.5	318.2	316.2
60°	322.3	309.0	301.9	296.9	293.7	294.1	290.3
62.5°	291.7	283.1	276.4	271.4	267.4	267.5	267.8
65°	248.4	241.8	236.8	235.1	232.7	229.7	230.6
67.5°	210.5	204.3	200.4	197.6	196.8	195.2	197.6
70°	183.3	178.7	175.9	173.3	172.5	172.9	175.0
72.5°	158.4	155.2	153.3	152.1	150.3	150.4	151.8
75°	124.5	121.9	120.3	119.0	118.6	118.6	118.6
77.5°	91.4	90.9	90.1	88.2	88.3	88.8	88.9
80°	72.2	70.9	70.5	69.7	68.4	67.6	69.7
82.5°	53.9	52.7	52.3	52.1	50.1	50.0	51.7
85°	29.0	27.8	28.2	27.8	27.8	27.4	27.4
87.5°	12.2	11.9	11.6	12.0	11.7	11.4	12.1
90°	9.5	9.8	10.1	10.2	10.4	10.5	10.7
92.5°	10.6	11.2	11.4	11.6	11.6	11.7	11.8
95°	12.7	13.2	13.5	13.5	13.5	13.5	13.5
97.5°	13.4	14.0	14.3	14.4	14.5	14.6	14.7
100°	13.6	14.3	14.7	14.7	14.8	14.9	15.0
102.5°	17.5	15.6	14.7	14.8	15.0	15.1	15.2
105°	36.0	21.9	15.1	15.2	15.4	15.5	15.7
107.5°	112.1	101.8	91.4	80.8	70.3	59.7	49.2
110°	152.7	150.0	143.1	131.8	120.5	109.2	97.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	178.6	178.6	177.4	175.1	172.7	170.3	167.9
115°	206.7	207.5	208.0	208.3	208.7	209.0	209.3
117.5°	231.2	231.9	232.2	232.3	232.3	232.4	232.5
120°	247.5	248.1	248.4	248.4	248.4	248.4	248.4
122.5°	263.2	263.6	263.8	263.9	264.0	264.0	264.1
125°	285.2	285.3	285.5	285.7	285.8	286.0	286.1
127.5°	307.7	307.9	308.0	307.8	307.7	307.5	307.4
130°	321.2	321.5	321.6	321.5	321.3	321.2	321.0
132.5°	334.1	334.4	334.5	334.2	334.0	333.7	333.6
135°	353.4	353.6	353.6	353.4	353.2	352.9	352.7
137.5°	370.8	371.2	371.4	371.2	371.1	370.9	370.7
140°	381.8	382.1	382.1	382.0	381.8	381.7	381.5
142.5°	392.1	392.4	392.4	392.1	392.0	391.7	391.5
145°	406.5	406.7	406.8	406.8	406.8	406.8	406.8
147.5°	419.6	419.8	419.6	419.3	418.9	418.6	418.2
150°	427.5	427.7	427.7	427.5	427.2	427.0	426.7
152.5°	434.7	435.1	435.0	434.7	434.3	434.0	433.6
155°	444.7	445.0	445.0	444.5	444.0	443.5	443.1
157.5°	453.2	453.7	453.6	453.0	452.4	451.8	451.1
160°	458.0	458.5	458.5	458.0	457.4	456.9	456.3
162.5°	462.6	463.0	463.1	462.6	462.1	461.6	461.1
165°	468.5	469.1	469.1	468.6	468.1	467.5	467.0
167.5°	473.0	473.6	473.6	473.0	472.5	471.8	471.2
170°	475.6	476.3	476.3	475.6	475.0	474.4	473.7
172.5°	477.3	477.9	477.9	477.2	476.5	475.9	475.2
175°	479.3	479.8	479.8	479.2	478.6	477.9	477.3
177.5°	480.0	480.5	480.5	479.8	479.2	478.6	477.9
180°	479.0	479.0	479.0	479.0	479.0	479.0	479.0

(END OF REPORT)