

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: P332151-927

Luminaire Tested: **S123DIW-S775D460U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332151-927
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: S123DIW-S775D460U927-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 460 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3851.1 lumens
Efficiency: N/A
Efficacy: 102.2 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

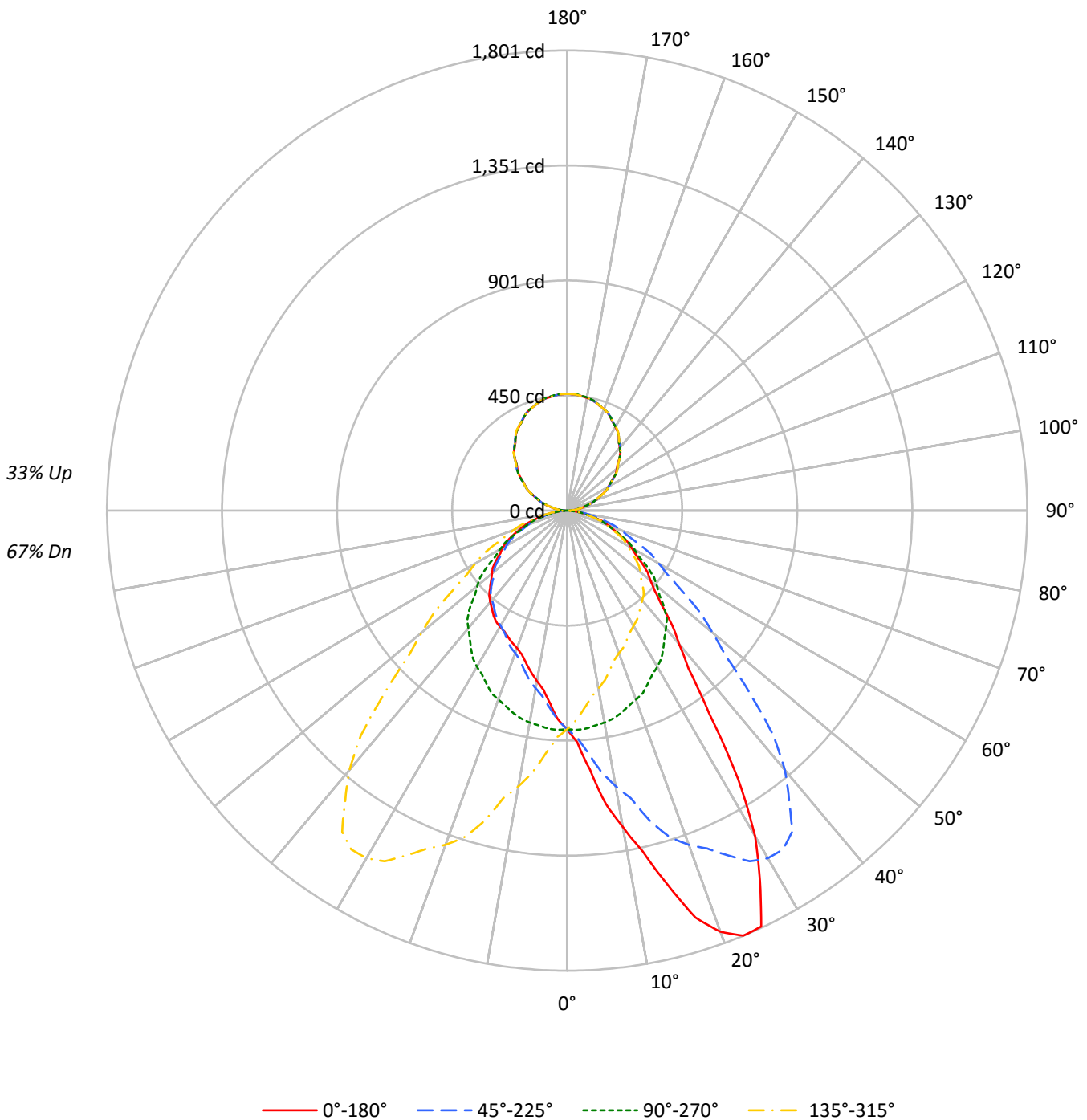
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	102	98	94	90	96	92	89	86	82	80	77	73	71	69	64	63	61	57
2	93	86	80	74	88	81	76	71	72	68	64	64	61	58	57	54	52	49
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	41
4	78	67	59	53	73	64	57	51	57	51	47	51	47	43	45	42	39	36
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31
6	66	54	46	40	62	51	44	39	46	40	36	42	37	33	37	33	30	28
7	61	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	24
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	29	25	32	27	24	29	25	22	20
10	50	38	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20	18

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	2.2
10°-20°	270.4	7.0
20°-30°	453.8	11.8
30°-40°	513.8	13.3
40°-50°	460.8	12.0
50°-60°	371.8	9.7
60°-70°	259.1	6.7
70°-80°	136.2	3.5
80°-90°	34.7	0.9
90°-100°	29.8	0.8
100°-110°	89.1	2.3
110°-120°	151.6	3.9
120°-130°	199.4	5.2
130°-140°	224.1	5.8
140°-150°	220.3	5.7
150°-160°	185.4	4.8
160°-170°	123.4	3.2
170°-180°	43.2	1.1
0°-30°	808.5	21.0
0°-40°	1322.3	34.3
0°-60°	2154.9	56.0
0°-90°	2584.9	67.1
90°-120°	270.4	7.0
90°-150°	914.1	23.7
90°-180°	1266.0	32.9
0°-180°	3851.1	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	7
95°	28	21	28	21	28	29
105°	86	81	86	81	86	91
115°	153	153	153	153	153	151
125°	221	223	221	223	221	197
135°	289	290	289	290	289	222
145°	352	352	352	352	352	219
155°	402	402	402	402	402	185
165°	437	438	437	438	437	123
175°	454	456	454	456	454	43
180°	457	457	457	457	457	



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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	12.0	12.2	12.4	12.8	13.0	13.2
90°	10.8	10.6	10.5	10.3	10.1	9.9	9.6	9.3	9.0	8.6	7.6
92.5°	14.5	14.6	14.7	14.8	14.9	14.8	14.6	14.3	14.0	13.8	13.2
95°	28.0	28.0	28.0	28.0	28.0	27.8	27.5	27.2	26.9	26.5	25.9
97.5°	43.1	43.1	43.2	43.2	43.2	43.0	42.7	42.3	41.9	41.6	41.1
100°	54.6	54.4	54.3	54.1	53.9	53.7	53.5	53.2	53.0	52.8	52.4
102.5°	66.3	66.4	66.4	66.5	66.5	66.4	66.1	65.9	65.7	65.4	64.9
105°	85.5	85.3	85.2	85.0	84.8	84.7	84.7	84.7	84.7	84.7	84.0
107.5°	105.4	105.4	105.5	105.6	105.7	105.6	105.4	105.1	104.9	104.6	104.3
110°	118.8	119.0	119.1	119.3	119.5	119.4	119.1	118.7	118.4	118.1	118.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	133.2	133.2	133.2	133.2	133.3	133.2	132.8	132.4	132.0	131.6	131.6
115°	153.0	153.0	153.1	153.2	153.3	153.3	153.2	153.1	153.0	153.0	153.1
117.5°	172.9	173.2	173.4	173.6	173.9	174.0	174.0	174.0	174.0	174.0	174.3
120°	187.0	187.2	187.4	187.5	187.7	187.8	187.9	188.0	188.1	188.1	188.5
122.5°	200.5	200.7	201.0	201.2	201.5	201.6	201.8	202.1	202.2	202.5	202.7
125°	220.8	221.1	221.4	221.7	222.0	222.4	222.7	223.0	223.3	223.6	223.8
127.5°	241.0	241.3	241.7	242.1	242.4	242.8	243.3	243.8	244.2	244.6	244.8
130°	254.1	254.8	255.3	255.9	256.4	256.8	257.1	257.5	257.8	258.1	258.3
132.5°	267.9	268.4	268.8	269.3	269.7	270.1	270.5	270.8	271.2	271.6	271.8
135°	289.4	289.5	289.7	289.9	290.0	290.3	290.6	290.9	291.2	291.5	291.6
137.5°	308.2	308.6	308.9	309.1	309.4	309.7	310.1	310.5	310.8	311.1	310.9
140°	320.6	321.2	321.7	322.3	322.8	323.1	323.2	323.3	323.4	323.4	323.4
142.5°	333.2	333.7	334.1	334.5	334.9	335.2	335.3	335.3	335.4	335.5	335.4
145°	351.5	351.8	352.1	352.4	352.8	352.9	353.0	353.1	353.2	353.2	353.0
147.5°	367.7	368.1	368.6	369.2	369.6	369.9	369.9	369.9	369.9	369.9	369.6
150°	378.0	378.5	379.0	379.5	379.9	380.2	380.2	380.2	380.2	380.2	380.0
152.5°	388.1	388.5	388.9	389.4	389.8	389.9	389.8	389.6	389.5	389.4	389.3
155°	401.7	402.3	402.8	403.4	403.9	404.1	403.8	403.5	403.1	402.8	402.7
157.5°	414.2	414.5	415.0	415.5	415.9	416.0	415.7	415.3	414.9	414.6	414.5
160°	422.2	422.5	422.8	423.1	423.4	423.4	423.0	422.6	422.2	421.8	421.8
162.5°	428.2	428.7	429.2	429.8	430.2	430.3	429.9	429.5	429.1	428.7	428.6
165°	436.9	437.4	438.0	438.6	439.1	439.2	438.7	438.2	437.8	437.3	437.3
167.5°	444.3	444.8	445.3	445.8	446.2	446.2	445.8	445.3	444.8	444.3	444.3
170°	448.1	448.6	449.2	449.7	450.3	450.3	449.7	449.2	448.6	448.1	448.1
172.5°	450.9	451.5	452.0	452.6	453.1	453.1	452.7	452.2	451.7	451.1	451.1
175°	454.2	454.7	455.3	455.8	456.4	456.4	455.9	455.4	455.0	454.5	454.5
177.5°	455.8	456.3	456.8	457.2	457.6	457.6	457.3	456.9	456.5	456.1	456.1
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0



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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°	6.6	5.5	4.4	3.6	2.8	2.0	1.2	0.4	1.2	2.0	2.8
92.5°	12.6	12.0	11.4	10.9	10.3	9.7	9.3	8.7	9.3	9.7	10.3
95°	25.3	24.6	24.0	23.4	22.9	22.3	21.7	21.2	21.7	22.3	22.9
97.5°	40.6	40.2	39.7	39.3	38.9	38.4	38.0	37.6	38.0	38.4	38.9
100°	52.0	51.6	51.2	50.7	50.2	49.7	49.3	48.8	49.3	49.7	50.2
102.5°	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.7	62.0	62.3	62.6
105°	83.3	82.5	81.8	81.4	81.3	81.1	81.0	80.8	81.0	81.1	81.3
107.5°	104.0	103.8	103.5	103.3	103.1	103.1	103.0	102.9	103.0	103.1	103.1
110°	117.8	117.6	117.5	117.3	117.2	117.0	116.8	116.7	116.8	117.0	117.2



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	131.6	131.5	131.5	131.4	131.3	131.3	131.1	131.0	131.1	131.3	131.3
115°	153.3	153.4	153.6	153.5	153.3	153.0	152.8	152.6	152.8	153.0	153.3
117.5°	174.4	174.7	174.8	174.9	174.8	174.6	174.4	174.3	174.4	174.6	174.8
120°	188.9	189.3	189.7	189.6	189.2	188.7	188.2	187.7	188.2	188.7	189.2
122.5°	202.9	203.1	203.3	203.2	202.9	202.6	202.2	201.8	202.2	202.6	202.9
125°	223.9	224.1	224.3	224.3	224.0	223.8	223.6	223.3	223.6	223.8	224.0
127.5°	244.9	245.2	245.3	245.2	244.6	244.2	243.6	243.1	243.6	244.2	244.6
130°	258.6	258.8	259.0	258.9	258.3	257.6	257.0	256.4	257.0	257.6	258.3
132.5°	272.0	272.1	272.4	272.1	271.5	270.8	270.1	269.5	270.1	270.8	271.5
135°	291.7	291.8	291.8	291.6	291.1	290.7	290.2	289.7	290.2	290.7	291.1
137.5°	310.7	310.5	310.3	310.0	309.6	309.2	308.8	308.4	308.8	309.2	309.6
140°	323.3	323.2	323.1	322.9	322.5	322.1	321.7	321.3	321.7	322.1	322.5
142.5°	335.3	335.1	334.9	334.7	334.3	333.9	333.5	333.1	333.5	333.9	334.3
145°	352.8	352.5	352.3	352.1	352.0	351.8	351.6	351.5	351.6	351.8	352.0
147.5°	369.4	369.2	368.9	368.7	368.4	368.1	367.8	367.6	367.8	368.1	368.4
150°	379.9	379.7	379.5	379.4	379.2	379.1	378.9	378.7	378.9	379.1	379.2
152.5°	389.2	389.0	389.0	388.8	388.6	388.4	388.2	387.9	388.2	388.4	388.6
155°	402.7	402.6	402.5	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4
157.5°	414.5	414.5	414.4	414.4	414.5	414.6	414.7	414.8	414.7	414.6	414.5
160°	421.8	421.8	421.8	421.9	422.1	422.2	422.4	422.6	422.4	422.2	422.1
162.5°	428.6	428.5	428.5	428.6	428.7	429.0	429.2	429.4	429.2	429.0	428.7
165°	437.3	437.3	437.3	437.4	437.6	437.8	438.1	438.3	438.1	437.8	437.6
167.5°	444.2	444.1	444.0	444.2	444.5	444.8	445.1	445.4	445.1	444.8	444.5
170°	448.1	448.1	448.1	448.2	448.5	448.9	449.2	449.5	449.2	448.9	448.5
172.5°	451.1	451.1	451.1	451.3	451.7	452.0	452.3	452.7	452.3	452.0	451.7
175°	454.5	454.5	454.5	454.6	455.0	455.3	455.6	455.9	455.6	455.3	455.0
177.5°	456.1	456.1	456.1	456.3	456.5	456.8	457.0	457.3	457.0	456.8	456.5
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

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	8.8	8.2	8.2	9.3	8.0
90°	3.6	4.4	5.5	6.6	7.6	8.6	9.0	9.3	9.6	9.9	10.1
92.5°	10.9	11.4	12.0	12.6	13.2	13.8	14.0	14.3	14.6	14.8	14.9
95°	23.4	24.0	24.6	25.3	25.9	26.5	26.9	27.2	27.5	27.8	28.0
97.5°	39.3	39.7	40.2	40.6	41.1	41.6	41.9	42.3	42.7	43.0	43.2
100°	50.7	51.2	51.6	52.0	52.4	52.8	53.0	53.2	53.5	53.7	53.9
102.5°	62.9	63.3	63.8	64.3	64.9	65.4	65.7	65.9	66.1	66.4	66.5
105°	81.4	81.8	82.5	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.8
107.5°	103.3	103.5	103.8	104.0	104.3	104.6	104.9	105.1	105.4	105.6	105.7
110°	117.3	117.5	117.6	117.8	118.0	118.1	118.4	118.7	119.1	119.4	119.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	131.4	131.5	131.5	131.6	131.6	131.6	132.0	132.4	132.8	133.2	133.3
115°	153.5	153.6	153.4	153.3	153.1	153.0	153.0	153.1	153.2	153.3	153.3
117.5°	174.9	174.8	174.7	174.4	174.3	174.0	174.0	174.0	174.0	174.0	173.9
120°	189.6	189.7	189.3	188.9	188.5	188.1	188.1	188.0	187.9	187.8	187.7
122.5°	203.2	203.3	203.1	202.9	202.7	202.5	202.2	202.1	201.8	201.6	201.5
125°	224.3	224.3	224.1	223.9	223.8	223.6	223.3	223.0	222.7	222.4	222.0
127.5°	245.2	245.3	245.2	244.9	244.8	244.6	244.2	243.8	243.3	242.8	242.4
130°	258.9	259.0	258.8	258.6	258.3	258.1	257.8	257.5	257.1	256.8	256.4
132.5°	272.1	272.4	272.1	272.0	271.8	271.6	271.2	270.8	270.5	270.1	269.7
135°	291.6	291.8	291.8	291.7	291.6	291.5	291.2	290.9	290.6	290.3	290.0
137.5°	310.0	310.3	310.5	310.7	310.9	311.1	310.8	310.5	310.1	309.7	309.4
140°	322.9	323.1	323.2	323.3	323.4	323.4	323.4	323.3	323.2	323.1	322.8
142.5°	334.7	334.9	335.1	335.3	335.4	335.5	335.4	335.3	335.3	335.2	334.9
145°	352.1	352.3	352.5	352.8	353.0	353.2	353.2	353.1	353.0	352.9	352.8
147.5°	368.7	368.9	369.2	369.4	369.6	369.9	369.9	369.9	369.9	369.9	369.6
150°	379.4	379.5	379.7	379.9	380.0	380.2	380.2	380.2	380.2	380.2	379.9
152.5°	388.8	389.0	389.0	389.2	389.3	389.4	389.5	389.6	389.8	389.9	389.8
155°	402.4	402.5	402.6	402.7	402.7	402.8	403.1	403.5	403.8	404.1	403.9
157.5°	414.4	414.4	414.5	414.5	414.5	414.6	414.9	415.3	415.7	416.0	415.9
160°	421.9	421.8	421.8	421.8	421.8	421.8	422.2	422.6	423.0	423.4	423.4
162.5°	428.6	428.5	428.5	428.6	428.6	428.7	429.1	429.5	429.9	430.3	430.2
165°	437.4	437.3	437.3	437.3	437.3	437.3	437.8	438.2	438.7	439.2	439.1
167.5°	444.2	444.0	444.1	444.2	444.3	444.3	444.8	445.3	445.8	446.2	446.2
170°	448.2	448.1	448.1	448.1	448.1	448.1	448.6	449.2	449.7	450.3	450.3
172.5°	451.3	451.1	451.1	451.1	451.1	451.1	451.7	452.2	452.7	453.1	453.1
175°	454.6	454.5	454.5	454.5	454.5	454.5	455.0	455.4	455.9	456.4	456.4
177.5°	456.3	456.1	456.1	456.1	456.1	456.1	456.5	456.9	457.3	457.6	457.6
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

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°	10.3	10.5	10.6	10.8	10.6	10.5	10.3	10.1	9.9	9.6	9.3
92.5°	14.8	14.7	14.6	14.5	14.6	14.7	14.8	14.9	14.8	14.6	14.3
95°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.8	27.5	27.2
97.5°	43.2	43.2	43.1	43.1	43.1	43.2	43.2	43.2	43.0	42.7	42.3
100°	54.1	54.3	54.4	54.6	54.4	54.3	54.1	53.9	53.7	53.5	53.2
102.5°	66.5	66.4	66.4	66.3	66.4	66.4	66.5	66.5	66.4	66.1	65.9
105°	85.0	85.2	85.3	85.5	85.3	85.2	85.0	84.8	84.7	84.7	84.7
107.5°	105.6	105.5	105.4	105.4	105.4	105.5	105.6	105.7	105.6	105.4	105.1
110°	119.3	119.1	119.0	118.8	119.0	119.1	119.3	119.5	119.4	119.1	118.7



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.3	133.2	132.8	132.4
115°	153.2	153.1	153.0	153.0	153.0	153.1	153.2	153.3	153.3	153.2	153.1
117.5°	173.6	173.4	173.2	172.9	173.2	173.4	173.6	173.9	174.0	174.0	174.0
120°	187.5	187.4	187.2	187.0	187.2	187.4	187.5	187.7	187.8	187.9	188.0
122.5°	201.2	201.0	200.7	200.5	200.7	201.0	201.2	201.5	201.6	201.8	202.1
125°	221.7	221.4	221.1	220.8	221.1	221.4	221.7	222.0	222.4	222.7	223.0
127.5°	242.1	241.7	241.3	241.0	241.3	241.7	242.1	242.4	242.8	243.3	243.8
130°	255.9	255.3	254.8	254.1	254.8	255.3	255.9	256.4	256.8	257.1	257.5
132.5°	269.3	268.8	268.4	267.9	268.4	268.8	269.3	269.7	270.1	270.5	270.8
135°	289.9	289.7	289.5	289.4	289.5	289.7	289.9	290.0	290.3	290.6	290.9
137.5°	309.1	308.9	308.6	308.2	308.6	308.9	309.1	309.4	309.7	310.1	310.5
140°	322.3	321.7	321.2	320.6	321.2	321.7	322.3	322.8	323.1	323.2	323.3
142.5°	334.5	334.1	333.7	333.2	333.7	334.1	334.5	334.9	335.2	335.3	335.3
145°	352.4	352.1	351.8	351.5	351.8	352.1	352.4	352.8	352.9	353.0	353.1
147.5°	369.2	368.6	368.1	367.7	368.1	368.6	369.2	369.6	369.9	369.9	369.9
150°	379.5	379.0	378.5	378.0	378.5	379.0	379.5	379.9	380.2	380.2	380.2
152.5°	389.4	388.9	388.5	388.1	388.5	388.9	389.4	389.8	389.9	389.8	389.6
155°	403.4	402.8	402.3	401.7	402.3	402.8	403.4	403.9	404.1	403.8	403.5
157.5°	415.5	415.0	414.5	414.2	414.5	415.0	415.5	415.9	416.0	415.7	415.3
160°	423.1	422.8	422.5	422.2	422.5	422.8	423.1	423.4	423.4	423.0	422.6
162.5°	429.8	429.2	428.7	428.2	428.7	429.2	429.8	430.2	430.3	429.9	429.5
165°	438.6	438.0	437.4	436.9	437.4	438.0	438.6	439.1	439.2	438.7	438.2
167.5°	445.8	445.3	444.8	444.3	444.8	445.3	445.8	446.2	446.2	445.8	445.3
170°	449.7	449.2	448.6	448.1	448.6	449.2	449.7	450.3	450.3	449.7	449.2
172.5°	452.6	452.0	451.5	450.9	451.5	452.0	452.6	453.1	453.1	452.7	452.2
175°	455.8	455.3	454.7	454.2	454.7	455.3	455.8	456.4	456.4	455.9	455.4
177.5°	457.2	456.8	456.3	455.8	456.3	456.8	457.2	457.6	457.6	457.3	456.9
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

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°	8.8	8.7	8.2	8.2	7.8	7.8	7.4	7.5	7.7	7.5	8.0
90°	9.0	8.6	7.6	6.6	5.5	4.4	3.6	2.8	2.0	1.2	0.4
92.5°	14.0	13.8	13.2	12.6	12.0	11.4	10.9	10.3	9.7	9.3	8.7
95°	26.9	26.5	25.9	25.3	24.6	24.0	23.4	22.9	22.3	21.7	21.2
97.5°	41.9	41.6	41.1	40.6	40.2	39.7	39.3	38.9	38.4	38.0	37.6
100°	53.0	52.8	52.4	52.0	51.6	51.2	50.7	50.2	49.7	49.3	48.8
102.5°	65.7	65.4	64.9	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.7
105°	84.7	84.7	84.0	83.3	82.5	81.8	81.4	81.3	81.1	81.0	80.8
107.5°	104.9	104.6	104.3	104.0	103.8	103.5	103.3	103.1	103.1	103.0	102.9
110°	118.4	118.1	118.0	117.8	117.6	117.5	117.3	117.2	117.0	116.8	116.7



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	132.0	131.6	131.6	131.6	131.5	131.5	131.4	131.3	131.3	131.1	131.0
115°	153.0	153.0	153.1	153.3	153.4	153.6	153.5	153.3	153.0	152.8	152.6
117.5°	174.0	174.0	174.3	174.4	174.7	174.8	174.9	174.8	174.6	174.4	174.3
120°	188.1	188.1	188.5	188.9	189.3	189.7	189.6	189.2	188.7	188.2	187.7
122.5°	202.2	202.5	202.7	202.9	203.1	203.3	203.2	202.9	202.6	202.2	201.8
125°	223.3	223.6	223.8	223.9	224.1	224.3	224.3	224.0	223.8	223.6	223.3
127.5°	244.2	244.6	244.8	244.9	245.2	245.3	245.2	244.6	244.2	243.6	243.1
130°	257.8	258.1	258.3	258.6	258.8	259.0	258.9	258.3	257.6	257.0	256.4
132.5°	271.2	271.6	271.8	272.0	272.1	272.4	272.1	271.5	270.8	270.1	269.5
135°	291.2	291.5	291.6	291.7	291.8	291.8	291.6	291.1	290.7	290.2	289.7
137.5°	310.8	311.1	310.9	310.7	310.5	310.3	310.0	309.6	309.2	308.8	308.4
140°	323.4	323.4	323.4	323.3	323.2	323.1	322.9	322.5	322.1	321.7	321.3
142.5°	335.4	335.5	335.4	335.3	335.1	334.9	334.7	334.3	333.9	333.5	333.1
145°	353.2	353.2	353.0	352.8	352.5	352.3	352.1	352.0	351.8	351.6	351.5
147.5°	369.9	369.9	369.6	369.4	369.2	368.9	368.7	368.4	368.1	367.8	367.6
150°	380.2	380.2	380.0	379.9	379.7	379.5	379.4	379.2	379.1	378.9	378.7
152.5°	389.5	389.4	389.3	389.2	389.0	389.0	388.8	388.6	388.4	388.2	387.9
155°	403.1	402.8	402.7	402.7	402.6	402.5	402.4	402.4	402.4	402.4	402.4
157.5°	414.9	414.6	414.5	414.5	414.5	414.4	414.4	414.5	414.6	414.7	414.8
160°	422.2	421.8	421.8	421.8	421.8	421.8	421.9	422.1	422.2	422.4	422.6
162.5°	429.1	428.7	428.6	428.6	428.5	428.5	428.6	428.7	429.0	429.2	429.4
165°	437.8	437.3	437.3	437.3	437.3	437.3	437.4	437.6	437.8	438.1	438.3
167.5°	444.8	444.3	444.3	444.2	444.1	444.0	444.2	444.5	444.8	445.1	445.4
170°	448.6	448.1	448.1	448.1	448.1	448.1	448.2	448.5	448.9	449.2	449.5
172.5°	451.7	451.1	451.1	451.1	451.1	451.1	451.3	451.7	452.0	452.3	452.7
175°	455.0	454.5	454.5	454.5	454.5	454.5	454.6	455.0	455.3	455.6	455.9
177.5°	456.5	456.1	456.1	456.1	456.1	456.1	456.3	456.5	456.8	457.0	457.3
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

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°	1.2	2.0	2.8	3.6	4.4	5.5	6.6	7.6	8.6	9.0	9.3
92.5°	9.3	9.7	10.3	10.9	11.4	12.0	12.6	13.2	13.8	14.0	14.3
95°	21.7	22.3	22.9	23.4	24.0	24.6	25.3	25.9	26.5	26.9	27.2
97.5°	38.0	38.4	38.9	39.3	39.7	40.2	40.6	41.1	41.6	41.9	42.3
100°	49.3	49.7	50.2	50.7	51.2	51.6	52.0	52.4	52.8	53.0	53.2
102.5°	62.0	62.3	62.6	62.9	63.3	63.8	64.3	64.9	65.4	65.7	65.9
105°	81.0	81.1	81.3	81.4	81.8	82.5	83.3	84.0	84.7	84.7	84.7
107.5°	103.0	103.1	103.1	103.3	103.5	103.8	104.0	104.3	104.6	104.9	105.1
110°	116.8	117.0	117.2	117.3	117.5	117.6	117.8	118.0	118.1	118.4	118.7



TEST NUMBER: P332151-927

CATALOG NUMBER: S123DIW-S775D460U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	131.1	131.3	131.3	131.4	131.5	131.5	131.6	131.6	131.6	132.0	132.4
115°	152.8	153.0	153.3	153.5	153.6	153.4	153.3	153.1	153.0	153.0	153.1
117.5°	174.4	174.6	174.8	174.9	174.8	174.7	174.4	174.3	174.0	174.0	174.0
120°	188.2	188.7	189.2	189.6	189.7	189.3	188.9	188.5	188.1	188.1	188.0
122.5°	202.2	202.6	202.9	203.2	203.3	203.1	202.9	202.7	202.5	202.2	202.1
125°	223.6	223.8	224.0	224.3	224.3	224.1	223.9	223.8	223.6	223.3	223.0
127.5°	243.6	244.2	244.6	245.2	245.3	245.2	244.9	244.8	244.6	244.2	243.8
130°	257.0	257.6	258.3	258.9	259.0	258.8	258.6	258.3	258.1	257.8	257.5
132.5°	270.1	270.8	271.5	272.1	272.4	272.1	272.0	271.8	271.6	271.2	270.8
135°	290.2	290.7	291.1	291.6	291.8	291.8	291.7	291.6	291.5	291.2	290.9
137.5°	308.8	309.2	309.6	310.0	310.3	310.5	310.7	310.9	311.1	310.8	310.5
140°	321.7	322.1	322.5	322.9	323.1	323.2	323.3	323.4	323.4	323.4	323.3
142.5°	333.5	333.9	334.3	334.7	334.9	335.1	335.3	335.4	335.5	335.4	335.3
145°	351.6	351.8	352.0	352.1	352.3	352.5	352.8	353.0	353.2	353.2	353.1
147.5°	367.8	368.1	368.4	368.7	368.9	369.2	369.4	369.6	369.9	369.9	369.9
150°	378.9	379.1	379.2	379.4	379.5	379.7	379.9	380.0	380.2	380.2	380.2
152.5°	388.2	388.4	388.6	388.8	389.0	389.0	389.2	389.3	389.4	389.5	389.6
155°	402.4	402.4	402.4	402.4	402.5	402.6	402.7	402.7	402.8	403.1	403.5
157.5°	414.7	414.6	414.5	414.4	414.4	414.5	414.5	414.5	414.6	414.9	415.3
160°	422.4	422.2	422.1	421.9	421.8	421.8	421.8	421.8	421.8	422.2	422.6
162.5°	429.2	429.0	428.7	428.6	428.5	428.5	428.6	428.6	428.7	429.1	429.5
165°	438.1	437.8	437.6	437.4	437.3	437.3	437.3	437.3	437.3	437.8	438.2
167.5°	445.1	444.8	444.5	444.2	444.0	444.1	444.2	444.3	444.3	444.8	445.3
170°	449.2	448.9	448.5	448.2	448.1	448.1	448.1	448.1	448.1	448.6	449.2
172.5°	452.3	452.0	451.7	451.3	451.1	451.1	451.1	451.1	451.1	451.7	452.2
175°	455.6	455.3	455.0	454.6	454.5	454.5	454.5	454.5	454.5	455.0	455.4
177.5°	457.0	456.8	456.5	456.3	456.1	456.1	456.1	456.1	456.1	456.5	456.9
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0



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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	12.0	11.6	12.0	11.7	11.4	12.1
90°	9.6	9.9	10.1	10.3	10.5	10.6	10.8
92.5°	14.6	14.8	14.9	14.8	14.7	14.6	14.5
95°	27.5	27.8	28.0	28.0	28.0	28.0	28.0
97.5°	42.7	43.0	43.2	43.2	43.2	43.1	43.1
100°	53.5	53.7	53.9	54.1	54.3	54.4	54.6
102.5°	66.1	66.4	66.5	66.5	66.4	66.4	66.3
105°	84.7	84.7	84.8	85.0	85.2	85.3	85.5
107.5°	105.4	105.6	105.7	105.6	105.5	105.4	105.4
110°	119.1	119.4	119.5	119.3	119.1	119.0	118.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	132.8	133.2	133.3	133.2	133.2	133.2	133.2
115°	153.2	153.3	153.3	153.2	153.1	153.0	153.0
117.5°	174.0	174.0	173.9	173.6	173.4	173.2	172.9
120°	187.9	187.8	187.7	187.5	187.4	187.2	187.0
122.5°	201.8	201.6	201.5	201.2	201.0	200.7	200.5
125°	222.7	222.4	222.0	221.7	221.4	221.1	220.8
127.5°	243.3	242.8	242.4	242.1	241.7	241.3	241.0
130°	257.1	256.8	256.4	255.9	255.3	254.8	254.1
132.5°	270.5	270.1	269.7	269.3	268.8	268.4	267.9
135°	290.6	290.3	290.0	289.9	289.7	289.5	289.4
137.5°	310.1	309.7	309.4	309.1	308.9	308.6	308.2
140°	323.2	323.1	322.8	322.3	321.7	321.2	320.6
142.5°	335.3	335.2	334.9	334.5	334.1	333.7	333.2
145°	353.0	352.9	352.8	352.4	352.1	351.8	351.5
147.5°	369.9	369.9	369.6	369.2	368.6	368.1	367.7
150°	380.2	380.2	379.9	379.5	379.0	378.5	378.0
152.5°	389.8	389.9	389.8	389.4	388.9	388.5	388.1
155°	403.8	404.1	403.9	403.4	402.8	402.3	401.7
157.5°	415.7	416.0	415.9	415.5	415.0	414.5	414.2
160°	423.0	423.4	423.4	423.1	422.8	422.5	422.2
162.5°	429.9	430.3	430.2	429.8	429.2	428.7	428.2
165°	438.7	439.2	439.1	438.6	438.0	437.4	436.9
167.5°	445.8	446.2	446.2	445.8	445.3	444.8	444.3
170°	449.7	450.3	450.3	449.7	449.2	448.6	448.1
172.5°	452.7	453.1	453.1	452.6	452.0	451.5	450.9
175°	455.9	456.4	456.4	455.8	455.3	454.7	454.2
177.5°	457.3	457.6	457.6	457.2	456.8	456.3	455.8
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0

(END OF REPORT)