

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: P332751-940

Luminaire Tested: **S124DIW-S575D770U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332751-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S575D770U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5050.8 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

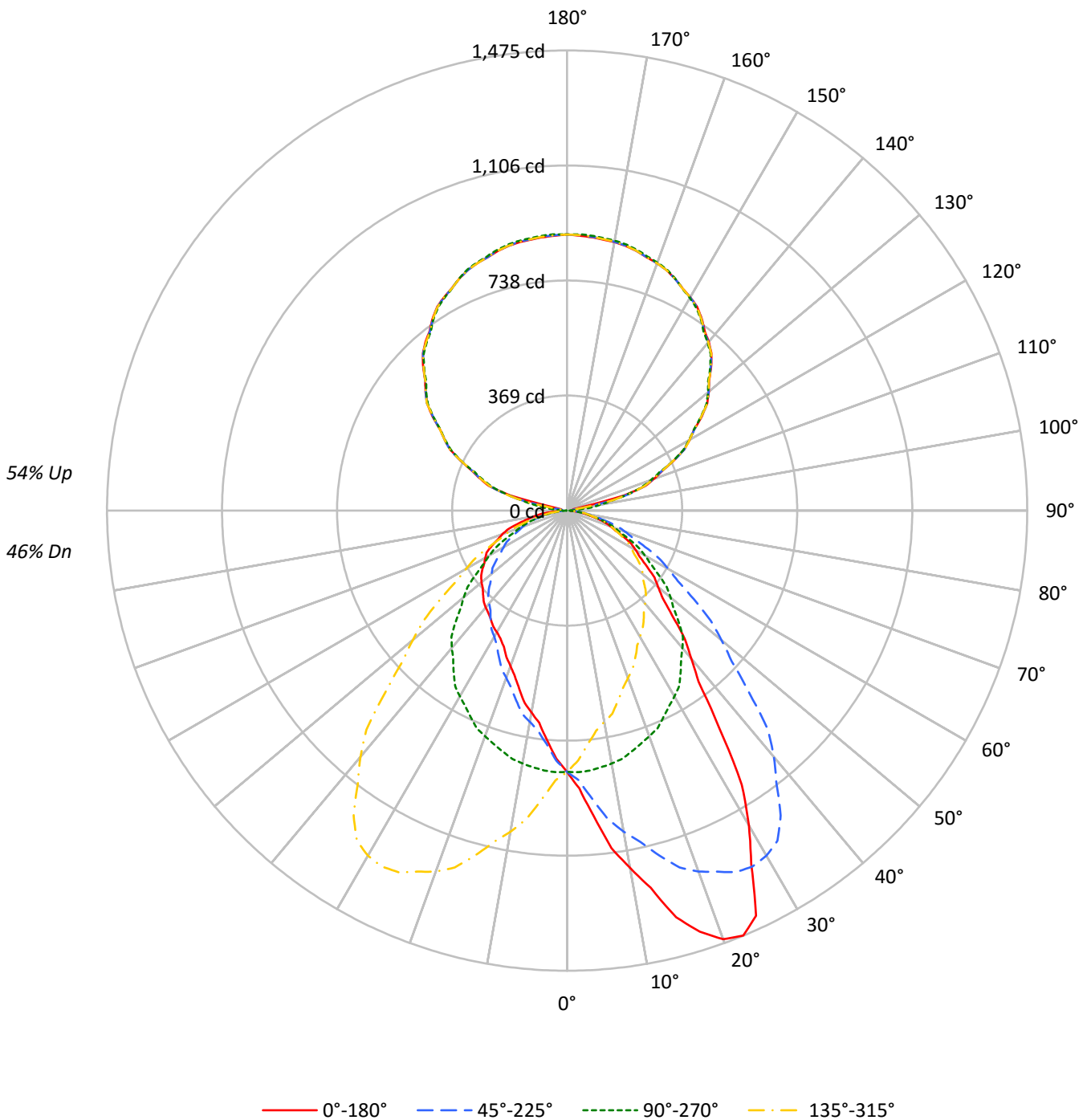
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	81	75	70	81	75	70	65	63	59	56	51	49	47	41	39	38	33
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28
4	74	63	56	50	68	59	52	47	49	44	40	41	37	34	33	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	35	29	24	30	25	21	25	21	19	21	18	16	14
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6761	6761	6761	6761
5°	7963	6779	5983	6779
10°	9534	6749	5387	6749
15°	11280	6680	4947	6680
20°	12560	6611	4554	6611
25°	12764	6509	4284	6509
30°	10860	6411	4198	6411
35°	8349	6250	4199	6250
40°	6509	6062	4278	6062
45°	5426	5779	4349	5779
50°	4775	5434	4496	5434
55°	4376	5020	4677	5020
60°	4101	4648	4897	4648
65°	3817	4235	5075	4235
70°	3489	3824	5193	3824
75°	3119	3366	5128	3366
80°	2613	2757	4965	2757
85°	1927	1991	4761	1991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.6
10°-20°	251.5	5.0
20°-30°	398.8	7.9
30°-40°	443.8	8.8
40°-50°	404.0	8.0
50°-60°	330.1	6.5
60°-70°	235.7	4.7
70°-80°	129.8	2.6
80°-90°	38.0	0.8
90°-100°	30.3	0.6
100°-110°	193.0	3.8
110°-120°	369.2	7.3
120°-130°	468.7	9.3
130°-140°	501.4	9.9
140°-150°	468.9	9.3
150°-160°	378.1	7.5
160°-170°	243.9	4.8
170°-180°	84.1	1.7
0°-30°	731.9	14.5
0°-40°	1175.7	23.3
0°-60°	1909.9	37.8
0°-90°	2313.3	45.8
90°-120°	592.4	11.7
90°-150°	2031.4	40.2
90°-180°	2737.0	54.2
0°-180°	5050.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	838	838	838	838	838	
5°	983	836	738	836	983	100
15°	1350	799	592	799	1350	381
25°	1433	731	481	731	1433	632
35°	847	634	426	634	847	538
45°	475	506	381	506	475	374
55°	311	357	332	357	311	281
65°	200	222	266	222	200	198
75°	100	108	164	108	100	106
85°	21	22	51	22	21	26
90°	20	2	20	2	20	9
95°	19	36	19	36	19	15
105°	189	199	189	199	189	165
115°	375	372	375	372	375	371
125°	527	523	527	523	527	469
135°	653	649	653	649	653	503
145°	752	748	752	748	752	470
155°	820	820	820	820	820	378
165°	861	865	861	865	861	243
175°	880	885	880	885	880	84
180°	885	885	885	885	885	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	891.4	891.1	888.3	887.8	885.8	883.3	882.8	878.3	869.4	865.3	864.2
5°	982.6	989.5	980.4	978.7	977.7	966.3	960.4	953.4	937.5	928.1	920.8
7.5°	1091.4	1092.2	1088.2	1085.0	1076.2	1066.2	1051.2	1035.3	1016.3	996.5	981.6
10°	1163.0	1165.7	1161.3	1160.6	1142.8	1131.8	1109.6	1090.8	1069.3	1045.4	1023.5
12.5°	1238.5	1234.6	1232.3	1217.5	1214.2	1193.9	1168.1	1148.8	1115.6	1088.1	1059.0
15°	1349.6	1342.0	1337.1	1316.7	1306.6	1278.5	1251.1	1229.9	1186.6	1145.3	1114.0
17.5°	1414.9	1422.5	1411.2	1402.8	1376.8	1357.1	1329.1	1284.7	1250.7	1199.4	1160.0
20°	1462.0	1462.8	1456.5	1447.8	1427.4	1402.4	1371.8	1323.3	1282.6	1231.6	1177.5
22.5°	1474.8	1475.0	1472.3	1464.2	1448.7	1428.4	1397.7	1357.1	1308.0	1252.5	1198.4
25°	1432.9	1431.6	1434.7	1443.7	1437.8	1431.6	1413.8	1383.7	1337.8	1279.2	1220.9
27.5°	1277.2	1286.7	1304.4	1326.6	1348.0	1364.2	1368.9	1362.7	1334.3	1286.0	1225.0
30°	1165.0	1176.9	1190.0	1212.3	1255.3	1279.9	1307.0	1327.4	1316.0	1277.5	1220.6
32.5°	1041.8	1044.7	1064.3	1089.6	1129.0	1176.3	1219.2	1260.8	1274.6	1254.5	1206.9
35°	847.2	852.1	873.3	898.2	946.5	1004.4	1069.0	1126.5	1174.1	1193.2	1168.9
37.5°	691.4	705.3	720.2	747.1	789.6	841.8	908.8	983.3	1054.2	1101.6	1109.6
40°	617.6	626.2	637.0	657.5	693.6	744.9	802.5	887.9	963.1	1031.2	1053.4
42.5°	559.3	564.4	571.0	589.4	617.0	668.0	720.6	795.7	871.3	952.6	989.8
45°	475.3	480.5	491.6	502.4	523.2	558.6	607.5	669.2	745.2	823.7	892.3
47.5°	414.6	418.0	424.6	436.1	453.8	477.2	516.9	568.5	638.9	715.1	788.3
50°	380.2	383.0	388.3	398.7	412.1	433.0	465.6	513.8	569.0	645.7	717.5
52.5°	353.0	354.2	358.0	365.1	375.9	393.3	420.1	459.9	511.3	579.6	651.1
55°	310.9	312.3	315.8	320.9	330.3	341.4	361.9	391.7	436.5	495.8	557.9
57.5°	276.2	277.1	280.1	282.0	289.8	298.8	314.5	335.8	369.8	420.1	475.5
60°	254.0	253.2	256.7	258.5	263.7	271.3	283.5	303.9	333.4	374.0	425.0
62.5°	232.3	231.3	234.3	236.6	239.5	246.0	256.0	272.0	296.0	332.7	376.7
65°	199.8	198.5	200.2	203.0	205.7	209.2	216.5	230.7	249.8	276.2	309.8
67.5°	167.2	168.7	169.0	170.3	171.9	176.6	181.6	191.7	205.2	226.3	254.8
70°	147.8	148.1	149.5	149.5	150.6	154.7	158.9	164.8	178.0	197.4	220.7
72.5°	128.4	129.8	129.3	130.4	131.2	133.9	137.0	142.6	153.8	168.3	187.9
75°	100.0	100.9	100.9	101.3	102.4	103.3	105.8	109.9	118.0	128.7	142.2
77.5°	72.9	73.0	73.5	74.7	74.7	76.4	78.2	81.5	85.5	92.8	101.1
80°	56.2	56.9	56.5	57.2	57.2	58.7	59.3	63.5	65.2	70.1	76.7
82.5°	41.2	41.9	41.8	42.8	43.3	43.6	44.6	46.3	48.0	52.3	55.0
85°	20.8	21.5	20.8	21.5	22.6	22.9	23.9	24.3	25.7	26.8	29.2
87.5°	10.1	10.9	10.8	11.0	11.5	11.7	11.8	11.3	12.2	12.3	13.2
90°	19.9	19.5	19.3	19.0	18.6	18.1	17.2	16.3	15.4	14.5	13.4
92.5°	18.3	18.2	18.2	18.1	18.0	17.6	16.7	15.8	14.9	14.0	12.8
95°	19.2	19.1	18.9	18.7	18.6	18.1	17.2	16.3	15.4	14.5	14.4
97.5°	18.5	18.4	18.3	18.1	17.9	17.8	17.7	17.7	17.6	17.5	33.9
100°	18.5	18.4	18.3	18.1	17.9	19.1	21.6	24.2	26.7	29.2	49.4
102.5°	19.1	19.0	19.0	19.0	18.9	32.5	59.4	86.4	113.3	140.4	142.9
105°	188.7	193.9	199.2	204.6	209.8	211.8	210.4	209.2	207.9	206.5	205.8
107.5°	262.9	262.3	261.8	261.3	260.6	260.1	259.4	258.8	258.2	257.4	256.5
110°	295.2	294.8	294.4	293.9	293.5	293.1	292.7	292.5	292.2	291.9	291.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	327.5	327.0	326.4	325.8	325.3	325.0	325.1	325.1	325.2	325.3	324.9
115°	374.6	374.6	374.6	374.6	374.6	374.5	374.2	373.9	373.6	373.3	373.4
117.5°	422.6	422.6	422.7	422.8	422.8	422.8	422.9	422.9	423.0	423.1	422.8
120°	452.7	453.1	453.3	453.6	453.9	453.9	453.6	453.3	453.1	452.7	452.9
122.5°	482.4	482.7	483.0	483.3	483.6	483.7	483.5	483.3	483.1	483.0	482.7
125°	526.9	526.7	526.6	526.5	526.3	526.0	525.6	525.1	524.7	524.2	524.5
127.5°	566.0	566.1	566.1	566.3	566.4	566.5	566.6	566.7	566.8	566.9	566.1
130°	592.4	592.4	592.4	592.4	592.4	592.4	592.2	592.0	591.9	591.7	591.3
132.5°	616.8	616.9	617.0	617.2	617.2	617.2	617.1	616.9	616.8	616.6	616.1
135°	653.3	653.0	652.7	652.4	652.1	651.8	651.6	651.2	650.9	650.7	650.1
137.5°	684.6	684.7	684.7	684.8	684.9	684.7	684.5	684.1	683.8	683.5	682.9
140°	706.2	706.1	706.0	705.8	705.7	705.3	704.9	704.5	704.0	703.6	703.3
142.5°	724.2	724.2	724.2	724.2	724.2	724.0	723.6	723.4	723.0	722.6	722.5
145°	751.9	751.6	751.4	751.0	750.7	750.6	750.4	750.2	750.1	749.9	749.9
147.5°	774.8	774.7	774.5	774.4	774.3	774.1	774.0	773.8	773.7	773.6	773.7
150°	789.6	789.5	789.3	789.3	789.1	789.0	789.0	789.0	789.0	789.0	789.2
152.5°	802.4	802.5	802.5	802.6	802.7	802.6	802.4	802.2	801.9	801.7	802.0
155°	819.5	819.8	820.3	820.7	821.2	821.1	820.6	819.9	819.4	818.8	819.2
157.5°	833.7	834.5	835.3	836.1	836.8	836.8	836.1	835.3	834.5	833.7	834.2
160°	843.3	844.2	845.1	845.9	846.8	846.8	845.9	845.1	844.2	843.3	843.4
162.5°	850.7	851.7	852.7	853.7	854.7	854.7	853.8	853.0	852.1	851.2	851.3
165°	861.1	862.5	863.8	865.1	866.5	866.5	865.3	864.2	863.0	861.8	861.8
167.5°	869.0	870.4	871.9	873.3	874.9	874.9	873.6	872.4	871.0	869.8	869.9
170°	873.7	875.2	876.6	878.2	879.6	879.8	878.6	877.4	876.2	875.0	874.9
172.5°	876.4	878.0	879.6	881.1	882.7	882.9	881.7	880.6	879.4	878.2	878.1
175°	879.7	881.5	883.2	884.9	886.7	887.0	885.6	884.3	883.0	881.6	881.5
177.5°	881.8	883.2	884.6	886.0	887.4	887.7	886.7	885.8	884.8	883.9	883.7
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	864.4	860.6	857.8	855.6	849.4	845.9	843.1	839.2	834.7	830.0	824.2
5°	913.6	901.7	893.0	879.9	867.4	856.9	846.2	836.5	824.7	811.9	802.5
7.5°	965.1	947.5	925.1	905.5	883.6	864.5	847.5	830.0	811.8	794.2	778.0
10°	997.8	975.3	950.3	920.8	893.0	868.4	845.5	823.3	801.8	780.2	761.9
12.5°	1033.0	1005.0	968.0	933.5	902.5	869.5	841.9	814.7	788.7	766.2	744.7
15°	1080.4	1039.8	997.1	951.0	910.1	871.6	833.7	799.3	770.3	740.4	719.6
17.5°	1109.5	1059.3	1010.5	962.2	912.7	864.1	823.3	783.7	747.2	717.6	691.3
20°	1128.6	1078.7	1018.0	969.7	910.7	860.8	813.6	769.5	731.4	699.8	672.7
22.5°	1145.3	1087.5	1026.8	963.3	904.6	851.6	800.0	755.6	716.7	683.4	657.5
25°	1154.3	1088.1	1022.1	958.9	892.3	829.6	782.7	730.7	689.0	654.0	626.2
27.5°	1155.3	1084.4	1009.9	939.7	870.9	812.4	753.3	706.8	663.6	626.5	599.9
30°	1152.2	1078.3	998.2	922.2	853.2	789.6	738.3	687.7	643.5	606.8	579.1
32.5°	1142.5	1065.5	983.2	902.8	831.3	769.1	716.1	668.0	625.0	588.8	559.6
35°	1114.4	1038.4	950.7	867.0	793.8	731.0	683.1	634.2	591.2	556.9	528.8
37.5°	1070.5	1001.7	912.6	826.0	754.1	691.1	643.5	599.4	560.6	525.7	496.9
40°	1032.2	971.8	882.3	798.0	720.2	660.2	615.8	575.2	536.7	503.7	476.4
42.5°	988.0	935.4	852.8	763.6	688.6	628.3	585.1	548.6	512.3	481.9	454.4
45°	909.4	874.7	796.9	714.3	636.3	579.4	538.1	506.2	475.6	445.9	422.9
47.5°	818.9	801.6	736.2	657.8	583.7	527.6	491.9	462.4	435.6	410.3	390.1
50°	758.0	749.8	693.2	617.6	546.8	494.1	458.0	432.7	409.7	387.5	368.5
52.5°	698.1	697.9	646.8	577.6	512.1	461.3	425.5	401.8	382.0	363.9	346.8
55°	606.5	616.2	576.3	514.5	455.9	410.1	377.8	356.7	342.8	327.9	315.0
57.5°	522.3	538.4	505.5	451.1	402.2	360.0	331.9	316.0	301.2	292.2	282.9
60°	467.3	482.6	456.9	411.2	365.0	328.9	302.2	287.9	275.1	268.9	262.3
62.5°	418.5	432.1	413.0	370.6	330.6	295.9	273.3	259.7	251.0	244.2	239.8
65°	348.7	360.2	343.8	313.0	278.6	250.8	232.5	221.7	213.4	210.6	205.7
67.5°	281.9	292.3	283.5	257.3	229.7	208.7	194.3	184.0	179.1	176.6	173.2
70°	242.2	252.6	243.2	220.3	199.1	181.5	167.9	162.0	156.9	155.8	151.0
72.5°	208.6	215.7	206.3	188.4	170.3	155.3	144.9	138.8	136.0	134.1	131.5
75°	156.5	162.7	156.5	142.6	129.7	119.3	110.3	107.9	104.8	103.7	102.0
77.5°	110.8	116.2	111.4	102.7	93.1	85.1	80.3	77.1	76.4	74.6	75.4
80°	84.6	88.1	83.6	77.8	70.1	64.6	61.1	59.3	57.2	56.5	58.0
82.5°	60.8	62.3	60.0	56.1	50.4	46.7	44.4	42.4	42.0	42.1	42.1
85°	31.6	31.2	30.9	27.4	25.7	23.3	21.8	21.5	21.1	21.8	22.6
87.5°	13.0	13.0	12.5	11.1	10.0	8.8	8.2	7.6	8.2	8.8	9.5
90°	12.2	11.1	9.9	8.5	6.9	5.3	3.6	2.0	3.6	5.3	6.9
92.5°	11.7	10.5	9.4	8.6	8.6	8.6	8.5	8.4	8.5	8.6	8.6
95°	14.3	14.1	14.0	16.4	21.4	26.4	31.4	36.4	31.4	26.4	21.4
97.5°	50.3	66.7	83.1	89.8	86.7	83.6	80.4	77.3	80.4	83.6	86.7
100°	69.7	90.1	110.3	119.1	116.5	113.9	111.2	108.5	111.2	113.9	116.5
102.5°	145.6	148.3	150.9	151.2	149.4	147.4	145.4	143.5	145.4	147.4	149.4
105°	205.0	204.3	203.6	202.8	201.9	201.0	200.1	199.2	200.1	201.0	201.9
107.5°	255.5	254.5	253.5	252.8	252.4	251.9	251.5	251.0	251.5	251.9	252.4
110°	290.2	289.3	288.4	287.7	287.3	286.9	286.4	286.0	286.4	286.9	287.3



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	324.4	324.0	323.6	323.0	322.2	321.5	320.7	319.9	320.7	321.5	322.2
115°	373.6	373.7	373.9	373.7	373.3	372.9	372.5	372.0	372.5	372.9	373.3
117.5°	422.4	422.1	421.8	421.3	420.7	420.2	419.5	419.0	419.5	420.2	420.7
120°	453.1	453.2	453.3	453.1	452.5	451.9	451.4	450.8	451.4	451.9	452.5
122.5°	482.5	482.3	482.1	481.8	481.4	481.1	480.7	480.5	480.7	481.1	481.4
125°	524.9	525.1	525.4	525.2	524.7	524.1	523.5	522.9	523.5	524.1	524.7
127.5°	565.5	564.8	564.2	563.7	563.6	563.5	563.3	563.1	563.3	563.5	563.6
130°	590.8	590.4	590.0	589.7	589.5	589.4	589.2	589.1	589.2	589.4	589.5
132.5°	615.5	614.9	614.4	613.9	613.7	613.5	613.2	613.0	613.2	613.5	613.7
135°	649.4	648.9	648.3	648.1	648.2	648.4	648.5	648.6	648.5	648.4	648.2
137.5°	682.2	681.5	680.9	680.6	680.5	680.5	680.4	680.3	680.4	680.5	680.5
140°	703.0	702.8	702.4	702.1	701.9	701.5	701.2	701.0	701.2	701.5	701.9
142.5°	722.3	722.1	721.9	721.6	721.0	720.6	720.1	719.5	720.1	720.6	721.0
145°	749.9	749.9	749.9	749.8	749.3	748.9	748.4	748.0	748.4	748.9	749.3
147.5°	773.9	774.1	774.2	773.9	773.0	772.2	771.4	770.6	771.4	772.2	773.0
150°	789.3	789.4	789.6	789.3	788.8	788.2	787.6	787.0	787.6	788.2	788.8
152.5°	802.3	802.5	802.7	802.6	802.2	801.7	801.2	800.8	801.2	801.7	802.2
155°	819.7	820.1	820.6	820.7	820.6	820.4	820.3	820.1	820.3	820.4	820.6
157.5°	834.7	835.3	835.7	836.1	836.2	836.2	836.3	836.4	836.3	836.2	836.2
160°	843.6	843.7	843.8	844.2	844.6	845.1	845.4	845.9	845.4	845.1	844.6
162.5°	851.5	851.7	851.8	852.1	852.7	853.3	853.8	854.3	853.8	853.3	852.7
165°	861.8	861.8	861.8	862.2	862.9	863.6	864.3	865.1	864.3	863.6	862.9
167.5°	870.0	870.0	870.1	870.5	871.3	872.1	872.8	873.6	872.8	872.1	871.3
170°	874.8	874.6	874.4	874.9	875.7	876.6	877.4	878.3	877.4	876.6	875.7
172.5°	877.9	877.8	877.6	878.0	878.9	879.8	880.7	881.5	880.7	879.8	878.9
175°	881.4	881.2	881.1	881.5	882.3	883.2	884.0	884.9	884.0	883.2	882.3
177.5°	883.4	883.2	883.0	883.2	884.0	884.9	885.7	886.5	885.7	884.9	884.0
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	821.4	818.9	815.3	810.3	806.2	801.7	800.6	799.0	802.3	799.5	798.7
5°	794.5	787.2	777.8	767.1	760.9	751.8	750.1	746.6	743.2	742.8	739.3
7.5°	766.0	755.3	743.1	732.1	721.9	712.1	705.6	704.3	699.1	696.2	692.7
10°	747.7	734.5	720.2	709.9	698.0	687.7	680.4	676.2	672.7	668.9	665.5
12.5°	726.0	712.0	700.3	689.0	675.0	667.1	655.1	647.9	647.2	647.3	638.3
15°	700.8	687.0	668.9	653.0	645.3	630.1	623.5	615.1	609.9	604.8	600.6
17.5°	672.1	654.8	640.7	622.3	607.8	595.7	586.9	581.9	574.2	566.8	561.4
20°	654.0	635.6	620.7	601.3	585.3	570.4	563.1	556.2	550.3	544.0	538.1
22.5°	635.7	616.4	598.2	579.3	564.5	548.8	541.7	532.3	526.6	523.2	517.3
25°	606.8	586.0	565.2	547.2	531.9	518.0	508.6	501.3	495.1	492.3	488.5
27.5°	575.4	554.7	534.7	514.2	496.9	486.8	479.3	473.8	470.2	466.5	464.8
30°	555.4	534.0	512.5	493.4	477.4	467.3	460.4	456.6	453.8	452.1	450.3
32.5°	535.2	514.0	491.3	473.9	459.7	450.7	445.4	441.6	440.2	439.6	439.0
35°	502.7	481.3	460.4	444.8	431.2	427.8	423.3	421.2	420.5	422.9	424.0
37.5°	471.3	451.3	432.1	417.1	408.1	403.1	401.5	401.6	404.1	406.3	408.8
40°	451.0	431.6	413.6	400.4	392.1	389.0	388.3	389.9	392.7	395.2	398.0
42.5°	431.3	412.1	395.8	383.4	377.6	374.8	375.2	376.9	380.8	383.8	388.0
45°	400.7	384.8	368.8	358.7	353.9	354.5	354.5	357.7	361.5	366.0	370.5
47.5°	371.9	355.8	342.7	334.2	331.7	331.1	333.1	337.2	342.7	348.2	354.5
50°	352.5	337.2	325.7	318.2	315.4	316.4	319.2	323.0	329.6	336.5	343.1
52.5°	332.8	318.9	308.3	301.2	299.3	301.1	303.9	310.0	315.8	323.2	331.2
55°	302.2	290.4	282.0	276.9	276.2	277.2	280.4	287.0	295.2	304.6	312.3
57.5°	271.7	261.9	254.2	250.7	251.0	252.0	257.1	264.9	273.8	283.8	293.6
60°	251.2	242.2	235.9	233.2	233.5	235.6	241.8	249.1	260.2	269.9	280.4
62.5°	231.8	223.8	217.8	215.3	214.9	219.5	225.4	233.0	244.2	254.9	266.2
65°	200.5	194.3	189.4	188.1	189.0	192.5	200.2	210.3	219.6	231.0	242.9
67.5°	170.0	164.9	161.6	162.2	163.5	168.5	175.0	183.6	194.2	206.1	217.8
70°	150.6	145.7	142.9	143.3	145.3	151.6	157.2	165.9	177.3	189.4	199.1
72.5°	130.6	127.4	124.9	126.4	128.4	132.8	139.6	148.4	158.5	169.7	180.0
75°	100.2	100.2	98.9	100.0	103.1	107.2	112.4	121.5	131.5	140.5	148.8
77.5°	74.4	73.7	74.5	75.8	77.6	82.5	88.5	95.0	102.5	111.6	118.4
80°	56.9	57.2	58.9	61.1	61.8	65.5	71.8	77.8	83.6	91.2	97.8
82.5°	42.7	43.1	44.0	46.6	47.3	51.5	55.5	61.3	66.7	71.8	77.3
85°	23.3	23.3	25.0	26.0	27.7	30.5	33.0	36.5	41.3	44.8	49.9
87.5°	10.6	10.9	12.2	13.0	14.1	15.7	16.4	19.6	21.0	22.5	25.1
90°	8.5	9.9	11.1	12.2	13.4	14.5	15.4	16.3	17.2	18.1	18.6
92.5°	8.6	9.4	10.5	11.7	12.8	14.0	14.9	15.8	16.7	17.6	18.0
95°	16.4	14.0	14.1	14.3	14.4	14.5	15.4	16.3	17.2	18.1	18.6
97.5°	89.8	83.1	66.7	50.3	33.9	17.5	17.6	17.7	17.7	17.8	17.9
100°	119.1	110.3	90.1	69.7	49.4	29.2	26.7	24.2	21.6	19.1	17.9
102.5°	151.2	150.9	148.3	145.6	142.9	140.4	113.3	86.4	59.4	32.5	18.9
105°	202.8	203.6	204.3	205.0	205.8	206.5	207.9	209.2	210.4	211.8	209.8
107.5°	252.8	253.5	254.5	255.5	256.5	257.4	258.2	258.8	259.4	260.1	260.6
110°	287.7	288.4	289.3	290.2	291.1	291.9	292.2	292.5	292.7	293.1	293.5



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	323.0	323.6	324.0	324.4	324.9	325.3	325.2	325.1	325.1	325.0	325.3
115°	373.7	373.9	373.7	373.6	373.4	373.3	373.6	373.9	374.2	374.5	374.6
117.5°	421.3	421.8	422.1	422.4	422.8	423.1	423.0	422.9	422.9	422.8	422.8
120°	453.1	453.3	453.2	453.1	452.9	452.7	453.1	453.3	453.6	453.9	453.9
122.5°	481.8	482.1	482.3	482.5	482.7	483.0	483.1	483.3	483.5	483.7	483.6
125°	525.2	525.4	525.1	524.9	524.5	524.2	524.7	525.1	525.6	526.0	526.3
127.5°	563.7	564.2	564.8	565.5	566.1	566.9	566.8	566.7	566.6	566.5	566.4
130°	589.7	590.0	590.4	590.8	591.3	591.7	591.9	592.0	592.2	592.4	592.4
132.5°	613.9	614.4	614.9	615.5	616.1	616.6	616.8	616.9	617.1	617.2	617.2
135°	648.1	648.3	648.9	649.4	650.1	650.7	650.9	651.2	651.6	651.8	652.1
137.5°	680.6	680.9	681.5	682.2	682.9	683.5	683.8	684.1	684.5	684.7	684.9
140°	702.1	702.4	702.8	703.0	703.3	703.6	704.0	704.5	704.9	705.3	705.7
142.5°	721.6	721.9	722.1	722.3	722.5	722.6	723.0	723.4	723.6	724.0	724.2
145°	749.8	749.9	749.9	749.9	749.9	749.9	750.1	750.2	750.4	750.6	750.7
147.5°	773.9	774.2	774.1	773.9	773.7	773.6	773.7	773.8	774.0	774.1	774.3
150°	789.3	789.6	789.4	789.3	789.2	789.0	789.0	789.0	789.0	789.0	789.1
152.5°	802.6	802.7	802.5	802.3	802.0	801.7	801.9	802.2	802.4	802.6	802.7
155°	820.7	820.6	820.1	819.7	819.2	818.8	819.4	819.9	820.6	821.1	821.2
157.5°	836.1	835.7	835.3	834.7	834.2	833.7	834.5	835.3	836.1	836.8	836.8
160°	844.2	843.8	843.7	843.6	843.4	843.3	844.2	845.1	845.9	846.8	846.8
162.5°	852.1	851.8	851.7	851.5	851.3	851.2	852.1	853.0	853.8	854.7	854.7
165°	862.2	861.8	861.8	861.8	861.8	861.8	863.0	864.2	865.3	866.5	866.5
167.5°	870.5	870.1	870.0	870.0	869.9	869.8	871.0	872.4	873.6	874.9	874.9
170°	874.9	874.4	874.6	874.8	874.9	875.0	876.2	877.4	878.6	879.8	879.6
172.5°	878.0	877.6	877.8	877.9	878.1	878.2	879.4	880.6	881.7	882.9	882.7
175°	881.5	881.1	881.2	881.4	881.5	881.6	883.0	884.3	885.6	887.0	886.7
177.5°	883.2	883.0	883.2	883.4	883.7	883.9	884.8	885.8	886.7	887.7	887.4
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	798.1	797.5	795.6	795.3	795.6	797.5	798.1	798.7	799.5	802.3	799.0
5°	737.3	735.6	734.5	738.3	734.5	735.6	737.3	739.3	742.8	743.2	746.6
7.5°	691.4	690.0	687.0	686.0	687.0	690.0	691.4	692.7	696.2	699.1	704.3
10°	662.0	660.6	657.8	657.1	657.8	660.6	662.0	665.5	668.9	672.7	676.2
12.5°	633.6	630.9	630.4	631.1	630.4	630.9	633.6	638.3	647.3	647.2	647.9
15°	596.0	594.7	590.8	591.9	590.8	594.7	596.0	600.6	604.8	609.9	615.1
17.5°	559.0	557.3	552.7	556.8	552.7	557.3	559.0	561.4	566.8	574.2	581.9
20°	535.7	532.9	530.5	530.1	530.5	532.9	535.7	538.1	544.0	550.3	556.2
22.5°	513.4	511.0	510.8	508.5	510.8	511.0	513.4	517.3	523.2	526.6	532.3
25°	485.7	483.3	482.6	480.9	482.6	483.3	485.7	488.5	492.3	495.1	501.3
27.5°	464.4	463.2	462.0	462.5	462.0	463.2	464.4	464.8	466.5	470.2	473.8
30°	451.4	451.0	450.3	450.3	450.3	451.0	451.4	450.3	452.1	453.8	456.6
32.5°	440.6	440.5	440.9	440.9	440.9	440.5	440.6	439.0	439.6	440.2	441.6
35°	425.3	426.4	427.1	426.1	427.1	426.4	425.3	424.0	422.9	420.5	421.2
37.5°	411.6	412.7	413.7	414.8	413.7	412.7	411.6	408.8	406.3	404.1	401.6
40°	401.1	403.5	404.2	405.9	404.2	403.5	401.1	398.0	395.2	392.7	389.9
42.5°	391.1	393.8	395.6	395.9	395.6	393.8	391.1	388.0	383.8	380.8	376.9
45°	375.8	378.5	380.9	380.9	380.9	378.5	375.8	370.5	366.0	361.5	357.7
47.5°	359.9	363.9	366.3	366.9	366.3	363.9	359.9	354.5	348.2	342.7	337.2
50°	349.0	353.9	356.3	358.0	356.3	353.9	349.0	343.1	336.5	329.6	323.0
52.5°	338.5	343.3	346.6	347.5	346.6	343.3	338.5	331.2	323.2	315.8	310.0
55°	320.2	327.2	331.0	332.3	331.0	327.2	320.2	312.3	304.6	295.2	287.0
57.5°	303.0	309.4	313.9	314.9	313.9	309.4	303.0	293.6	283.8	273.8	264.9
60°	289.7	296.7	302.2	303.3	302.2	296.7	289.7	280.4	269.9	260.2	249.1
62.5°	276.1	283.3	288.3	291.1	288.3	283.3	276.1	266.2	254.9	244.2	233.0
65°	252.6	259.8	264.7	265.7	264.7	259.8	252.6	242.9	231.0	219.6	210.3
67.5°	226.9	234.2	237.4	239.4	237.4	234.2	226.9	217.8	206.1	194.2	183.6
70°	208.8	214.7	218.2	220.0	218.2	214.7	208.8	199.1	189.4	177.3	165.9
72.5°	188.3	194.5	198.5	198.9	198.5	194.5	188.3	180.0	169.7	158.5	148.4
75°	156.9	162.4	164.4	164.4	164.4	162.4	156.9	148.8	140.5	131.5	121.5
77.5°	124.1	127.0	129.7	130.2	129.7	127.0	124.1	118.4	111.6	102.5	95.0
80°	103.1	104.8	106.8	106.8	106.8	104.8	103.1	97.8	91.2	83.6	77.8
82.5°	81.4	82.8	84.9	84.6	84.9	82.8	81.4	77.3	71.8	66.7	61.3
85°	49.2	52.4	52.1	51.4	52.1	52.4	49.2	49.9	44.8	41.3	36.5
87.5°	26.0	26.3	27.2	27.8	27.2	26.3	26.0	25.1	22.5	21.0	19.6
90°	19.0	19.3	19.5	19.9	19.5	19.3	19.0	18.6	18.1	17.2	16.3
92.5°	18.1	18.2	18.2	18.3	18.2	18.2	18.1	18.0	17.6	16.7	15.8
95°	18.7	18.9	19.1	19.2	19.1	18.9	18.7	18.6	18.1	17.2	16.3
97.5°	18.1	18.3	18.4	18.5	18.4	18.3	18.1	17.9	17.8	17.7	17.7
100°	18.1	18.3	18.4	18.5	18.4	18.3	18.1	17.9	19.1	21.6	24.2
102.5°	19.0	19.0	19.0	19.1	19.0	19.0	19.0	18.9	32.5	59.4	86.4
105°	204.6	199.2	193.9	188.7	193.9	199.2	204.6	209.8	211.8	210.4	209.2
107.5°	261.3	261.8	262.3	262.9	262.3	261.8	261.3	260.6	260.1	259.4	258.8
110°	293.9	294.4	294.8	295.2	294.8	294.4	293.9	293.5	293.1	292.7	292.5



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	325.8	326.4	327.0	327.5	327.0	326.4	325.8	325.3	325.0	325.1	325.1
115°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.5	374.2	373.9
117.5°	422.8	422.7	422.6	422.6	422.6	422.7	422.8	422.8	422.8	422.9	422.9
120°	453.6	453.3	453.1	452.7	453.1	453.3	453.6	453.9	453.9	453.6	453.3
122.5°	483.3	483.0	482.7	482.4	482.7	483.0	483.3	483.6	483.7	483.5	483.3
125°	526.5	526.6	526.7	526.9	526.7	526.6	526.5	526.3	526.0	525.6	525.1
127.5°	566.3	566.1	566.1	566.0	566.1	566.1	566.3	566.4	566.5	566.6	566.7
130°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.2	592.0
132.5°	617.2	617.0	616.9	616.8	616.9	617.0	617.2	617.2	617.2	617.1	616.9
135°	652.4	652.7	653.0	653.3	653.0	652.7	652.4	652.1	651.8	651.6	651.2
137.5°	684.8	684.7	684.7	684.6	684.7	684.7	684.8	684.9	684.7	684.5	684.1
140°	705.8	706.0	706.1	706.2	706.1	706.0	705.8	705.7	705.3	704.9	704.5
142.5°	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.0	723.6	723.4
145°	751.0	751.4	751.6	751.9	751.6	751.4	751.0	750.7	750.6	750.4	750.2
147.5°	774.4	774.5	774.7	774.8	774.7	774.5	774.4	774.3	774.1	774.0	773.8
150°	789.3	789.3	789.5	789.6	789.5	789.3	789.3	789.1	789.0	789.0	789.0
152.5°	802.6	802.5	802.5	802.4	802.5	802.5	802.6	802.7	802.6	802.4	802.2
155°	820.7	820.3	819.8	819.5	819.8	820.3	820.7	821.2	821.1	820.6	819.9
157.5°	836.1	835.3	834.5	833.7	834.5	835.3	836.1	836.8	836.8	836.1	835.3
160°	845.9	845.1	844.2	843.3	844.2	845.1	845.9	846.8	846.8	845.9	845.1
162.5°	853.7	852.7	851.7	850.7	851.7	852.7	853.7	854.7	854.7	853.8	853.0
165°	865.1	863.8	862.5	861.1	862.5	863.8	865.1	866.5	866.5	865.3	864.2
167.5°	873.3	871.9	870.4	869.0	870.4	871.9	873.3	874.9	874.9	873.6	872.4
170°	878.2	876.6	875.2	873.7	875.2	876.6	878.2	879.6	879.8	878.6	877.4
172.5°	881.1	879.6	878.0	876.4	878.0	879.6	881.1	882.7	882.9	881.7	880.6
175°	884.9	883.2	881.5	879.7	881.5	883.2	884.9	886.7	887.0	885.6	884.3
177.5°	886.0	884.6	883.2	881.8	883.2	884.6	886.0	887.4	887.7	886.7	885.8
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	800.6	801.7	806.2	810.3	815.3	818.9	821.4	824.2	830.0	834.7	839.2
5°	750.1	751.8	760.9	767.1	777.8	787.2	794.5	802.5	811.9	824.7	836.5
7.5°	705.6	712.1	721.9	732.1	743.1	755.3	766.0	778.0	794.2	811.8	830.0
10°	680.4	687.7	698.0	709.9	720.2	734.5	747.7	761.9	780.2	801.8	823.3
12.5°	655.1	667.1	675.0	689.0	700.3	712.0	726.0	744.7	766.2	788.7	814.7
15°	623.5	630.1	645.3	653.0	668.9	687.0	700.8	719.6	740.4	770.3	799.3
17.5°	586.9	595.7	607.8	622.3	640.7	654.8	672.1	691.3	717.6	747.2	783.7
20°	563.1	570.4	585.3	601.3	620.7	635.6	654.0	672.7	699.8	731.4	769.5
22.5°	541.7	548.8	564.5	579.3	598.2	616.4	635.7	657.5	683.4	716.7	755.6
25°	508.6	518.0	531.9	547.2	565.2	586.0	606.8	626.2	654.0	689.0	730.7
27.5°	479.3	486.8	496.9	514.2	534.7	554.7	575.4	599.9	626.5	663.6	706.8
30°	460.4	467.3	477.4	493.4	512.5	534.0	555.4	579.1	606.8	643.5	687.7
32.5°	445.4	450.7	459.7	473.9	491.3	514.0	535.2	559.6	588.8	625.0	668.0
35°	423.3	427.8	431.2	444.8	460.4	481.3	502.7	528.8	556.9	591.2	634.2
37.5°	401.5	403.1	408.1	417.1	432.1	451.3	471.3	496.9	525.7	560.6	599.4
40°	388.3	389.0	392.1	400.4	413.6	431.6	451.0	476.4	503.7	536.7	575.2
42.5°	375.2	374.8	377.6	383.4	395.8	412.1	431.3	454.4	481.9	512.3	548.6
45°	354.5	354.5	353.9	358.7	368.8	384.8	400.7	422.9	445.9	475.6	506.2
47.5°	333.1	331.1	331.7	334.2	342.7	355.8	371.9	390.1	410.3	435.6	462.4
50°	319.2	316.4	315.4	318.2	325.7	337.2	352.5	368.5	387.5	409.7	432.7
52.5°	303.9	301.1	299.3	301.2	308.3	318.9	332.8	346.8	363.9	382.0	401.8
55°	280.4	277.2	276.2	276.9	282.0	290.4	302.2	315.0	327.9	342.8	356.7
57.5°	257.1	252.0	251.0	250.7	254.2	261.9	271.7	282.9	292.2	301.2	316.0
60°	241.8	235.6	233.5	233.2	235.9	242.2	251.2	262.3	268.9	275.1	287.9
62.5°	225.4	219.5	214.9	215.3	217.8	223.8	231.8	239.8	244.2	251.0	259.7
65°	200.2	192.5	189.0	188.1	189.4	194.3	200.5	205.7	210.6	213.4	221.7
67.5°	175.0	168.5	163.5	162.2	161.6	164.9	170.0	173.2	176.6	179.1	184.0
70°	157.2	151.6	145.3	143.3	142.9	145.7	150.6	151.0	155.8	156.9	162.0
72.5°	139.6	132.8	128.4	126.4	124.9	127.4	130.6	131.5	134.1	136.0	138.8
75°	112.4	107.2	103.1	100.0	98.9	100.2	100.2	102.0	103.7	104.8	107.9
77.5°	88.5	82.5	77.6	75.8	74.5	73.7	74.4	75.4	74.6	76.4	77.1
80°	71.8	65.5	61.8	61.1	58.9	57.2	56.9	58.0	56.5	57.2	59.3
82.5°	55.5	51.5	47.3	46.6	44.0	43.1	42.7	42.1	42.1	42.0	42.4
85°	33.0	30.5	27.7	26.0	25.0	23.3	23.3	22.6	21.8	21.1	21.5
87.5°	16.4	15.7	14.1	13.0	12.2	10.9	10.6	9.5	8.8	8.2	7.6
90°	15.4	14.5	13.4	12.2	11.1	9.9	8.5	6.9	5.3	3.6	2.0
92.5°	14.9	14.0	12.8	11.7	10.5	9.4	8.6	8.6	8.6	8.5	8.4
95°	15.4	14.5	14.4	14.3	14.1	14.0	16.4	21.4	26.4	31.4	36.4
97.5°	17.6	17.5	33.9	50.3	66.7	83.1	89.8	86.7	83.6	80.4	77.3
100°	26.7	29.2	49.4	69.7	90.1	110.3	119.1	116.5	113.9	111.2	108.5
102.5°	113.3	140.4	142.9	145.6	148.3	150.9	151.2	149.4	147.4	145.4	143.5
105°	207.9	206.5	205.8	205.0	204.3	203.6	202.8	201.9	201.0	200.1	199.2
107.5°	258.2	257.4	256.5	255.5	254.5	253.5	252.8	252.4	251.9	251.5	251.0
110°	292.2	291.9	291.1	290.2	289.3	288.4	287.7	287.3	286.9	286.4	286.0



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	325.2	325.3	324.9	324.4	324.0	323.6	323.0	322.2	321.5	320.7	319.9
115°	373.6	373.3	373.4	373.6	373.7	373.9	373.7	373.3	372.9	372.5	372.0
117.5°	423.0	423.1	422.8	422.4	422.1	421.8	421.3	420.7	420.2	419.5	419.0
120°	453.1	452.7	452.9	453.1	453.2	453.3	453.1	452.5	451.9	451.4	450.8
122.5°	483.1	483.0	482.7	482.5	482.3	482.1	481.8	481.4	481.1	480.7	480.5
125°	524.7	524.2	524.5	524.9	525.1	525.4	525.2	524.7	524.1	523.5	522.9
127.5°	566.8	566.9	566.1	565.5	564.8	564.2	563.7	563.6	563.5	563.3	563.1
130°	591.9	591.7	591.3	590.8	590.4	590.0	589.7	589.5	589.4	589.2	589.1
132.5°	616.8	616.6	616.1	615.5	614.9	614.4	613.9	613.7	613.5	613.2	613.0
135°	650.9	650.7	650.1	649.4	648.9	648.3	648.1	648.2	648.4	648.5	648.6
137.5°	683.8	683.5	682.9	682.2	681.5	680.9	680.6	680.5	680.5	680.4	680.3
140°	704.0	703.6	703.3	703.0	702.8	702.4	702.1	701.9	701.5	701.2	701.0
142.5°	723.0	722.6	722.5	722.3	722.1	721.9	721.6	721.0	720.6	720.1	719.5
145°	750.1	749.9	749.9	749.9	749.9	749.9	749.8	749.3	748.9	748.4	748.0
147.5°	773.7	773.6	773.7	773.9	774.1	774.2	773.9	773.0	772.2	771.4	770.6
150°	789.0	789.0	789.2	789.3	789.4	789.6	789.3	788.8	788.2	787.6	787.0
152.5°	801.9	801.7	802.0	802.3	802.5	802.7	802.6	802.2	801.7	801.2	800.8
155°	819.4	818.8	819.2	819.7	820.1	820.6	820.7	820.6	820.4	820.3	820.1
157.5°	834.5	833.7	834.2	834.7	835.3	835.7	836.1	836.2	836.2	836.3	836.4
160°	844.2	843.3	843.4	843.6	843.7	843.8	844.2	844.6	845.1	845.4	845.9
162.5°	852.1	851.2	851.3	851.5	851.7	851.8	852.1	852.7	853.3	853.8	854.3
165°	863.0	861.8	861.8	861.8	861.8	861.8	862.2	862.9	863.6	864.3	865.1
167.5°	871.0	869.8	869.9	870.0	870.0	870.1	870.5	871.3	872.1	872.8	873.6
170°	876.2	875.0	874.9	874.8	874.6	874.4	874.9	875.7	876.6	877.4	878.3
172.5°	879.4	878.2	878.1	877.9	877.8	877.6	878.0	878.9	879.8	880.7	881.5
175°	883.0	881.6	881.5	881.4	881.2	881.1	881.5	882.3	883.2	884.0	884.9
177.5°	884.8	883.9	883.7	883.4	883.2	883.0	883.2	884.0	884.9	885.7	886.5
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	843.1	845.9	849.4	855.6	857.8	860.6	864.4	864.2	865.3	869.4	878.3
5°	846.2	856.9	867.4	879.9	893.0	901.7	913.6	920.8	928.1	937.5	953.4
7.5°	847.5	864.5	883.6	905.5	925.1	947.5	965.1	981.6	996.5	1016.3	1035.3
10°	845.5	868.4	893.0	920.8	950.3	975.3	997.8	1023.5	1045.4	1069.3	1090.8
12.5°	841.9	869.5	902.5	933.5	968.0	1005.0	1033.0	1059.0	1088.1	1115.6	1148.8
15°	833.7	871.6	910.1	951.0	997.1	1039.8	1080.4	1114.0	1145.3	1186.6	1229.9
17.5°	823.3	864.1	912.7	962.2	1010.5	1059.3	1109.5	1160.0	1199.4	1250.7	1284.7
20°	813.6	860.8	910.7	969.7	1018.0	1078.7	1128.6	1177.5	1231.6	1282.6	1323.3
22.5°	800.0	851.6	904.6	963.3	1026.8	1087.5	1145.3	1198.4	1252.5	1308.0	1357.1
25°	782.7	829.6	892.3	958.9	1022.1	1088.1	1154.3	1220.9	1279.2	1337.8	1383.7
27.5°	753.3	812.4	870.9	939.7	1009.9	1084.4	1155.3	1225.0	1286.0	1334.3	1362.7
30°	738.3	789.6	853.2	922.2	998.2	1078.3	1152.2	1220.6	1277.5	1316.0	1327.4
32.5°	716.1	769.1	831.3	902.8	983.2	1065.5	1142.5	1206.9	1254.5	1274.6	1260.8
35°	683.1	731.0	793.8	867.0	950.7	1038.4	1114.4	1168.9	1193.2	1174.1	1126.5
37.5°	643.5	691.1	754.1	826.0	912.6	1001.7	1070.5	1109.6	1101.6	1054.2	983.3
40°	615.8	660.2	720.2	798.0	882.3	971.8	1032.2	1053.4	1031.2	963.1	887.9
42.5°	585.1	628.3	688.6	763.6	852.8	935.4	988.0	989.8	952.6	871.3	795.7
45°	538.1	579.4	636.3	714.3	796.9	874.7	909.4	892.3	823.7	745.2	669.2
47.5°	491.9	527.6	583.7	657.8	736.2	801.6	818.9	788.3	715.1	638.9	568.5
50°	458.0	494.1	546.8	617.6	693.2	749.8	758.0	717.5	645.7	569.0	513.8
52.5°	425.5	461.3	512.1	577.6	646.8	697.9	698.1	651.1	579.6	511.3	459.9
55°	377.8	410.1	455.9	514.5	576.3	616.2	606.5	557.9	495.8	436.5	391.7
57.5°	331.9	360.0	402.2	451.1	505.5	538.4	522.3	475.5	420.1	369.8	335.8
60°	302.2	328.9	365.0	411.2	456.9	482.6	467.3	425.0	374.0	333.4	303.9
62.5°	273.3	295.9	330.6	370.6	413.0	432.1	418.5	376.7	332.7	296.0	272.0
65°	232.5	250.8	278.6	313.0	343.8	360.2	348.7	309.8	276.2	249.8	230.7
67.5°	194.3	208.7	229.7	257.3	283.5	292.3	281.9	254.8	226.3	205.2	191.7
70°	167.9	181.5	199.1	220.3	243.2	252.6	242.2	220.7	197.4	178.0	164.8
72.5°	144.9	155.3	170.3	188.4	206.3	215.7	208.6	187.9	168.3	153.8	142.6
75°	110.3	119.3	129.7	142.6	156.5	162.7	156.5	142.2	128.7	118.0	109.9
77.5°	80.3	85.1	93.1	102.7	111.4	116.2	110.8	101.1	92.8	85.5	81.5
80°	61.1	64.6	70.1	77.8	83.6	88.1	84.6	76.7	70.1	65.2	63.5
82.5°	44.4	46.7	50.4	56.1	60.0	62.3	60.8	55.0	52.3	48.0	46.3
85°	21.8	23.3	25.7	27.4	30.9	31.2	31.6	29.2	26.8	25.7	24.3
87.5°	8.2	8.8	10.0	11.1	12.5	13.0	13.0	13.2	12.3	12.2	11.3
90°	3.6	5.3	6.9	8.5	9.9	11.1	12.2	13.4	14.5	15.4	16.3
92.5°	8.5	8.6	8.6	8.6	9.4	10.5	11.7	12.8	14.0	14.9	15.8
95°	31.4	26.4	21.4	16.4	14.0	14.1	14.3	14.4	14.5	15.4	16.3
97.5°	80.4	83.6	86.7	89.8	83.1	66.7	50.3	33.9	17.5	17.6	17.7
100°	111.2	113.9	116.5	119.1	110.3	90.1	69.7	49.4	29.2	26.7	24.2
102.5°	145.4	147.4	149.4	151.2	150.9	148.3	145.6	142.9	140.4	113.3	86.4
105°	200.1	201.0	201.9	202.8	203.6	204.3	205.0	205.8	206.5	207.9	209.2
107.5°	251.5	251.9	252.4	252.8	253.5	254.5	255.5	256.5	257.4	258.2	258.8
110°	286.4	286.9	287.3	287.7	288.4	289.3	290.2	291.1	291.9	292.2	292.5



TEST NUMBER: P332751-940

CATALOG NUMBER: S124DIW-S575D770U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	320.7	321.5	322.2	323.0	323.6	324.0	324.4	324.9	325.3	325.2	325.1
115°	372.5	372.9	373.3	373.7	373.9	373.7	373.6	373.4	373.3	373.6	373.9
117.5°	419.5	420.2	420.7	421.3	421.8	422.1	422.4	422.8	423.1	423.0	422.9
120°	451.4	451.9	452.5	453.1	453.3	453.2	453.1	452.9	452.7	453.1	453.3
122.5°	480.7	481.1	481.4	481.8	482.1	482.3	482.5	482.7	483.0	483.1	483.3
125°	523.5	524.1	524.7	525.2	525.4	525.1	524.9	524.5	524.2	524.7	525.1
127.5°	563.3	563.5	563.6	563.7	564.2	564.8	565.5	566.1	566.9	566.8	566.7
130°	589.2	589.4	589.5	589.7	590.0	590.4	590.8	591.3	591.7	591.9	592.0
132.5°	613.2	613.5	613.7	613.9	614.4	614.9	615.5	616.1	616.6	616.8	616.9
135°	648.5	648.4	648.2	648.1	648.3	648.9	649.4	650.1	650.7	650.9	651.2
137.5°	680.4	680.5	680.5	680.6	680.9	681.5	682.2	682.9	683.5	683.8	684.1
140°	701.2	701.5	701.9	702.1	702.4	702.8	703.0	703.3	703.6	704.0	704.5
142.5°	720.1	720.6	721.0	721.6	721.9	722.1	722.3	722.5	722.6	723.0	723.4
145°	748.4	748.9	749.3	749.8	749.9	749.9	749.9	749.9	749.9	750.1	750.2
147.5°	771.4	772.2	773.0	773.9	774.2	774.1	773.9	773.7	773.6	773.7	773.8
150°	787.6	788.2	788.8	789.3	789.6	789.4	789.3	789.2	789.0	789.0	789.0
152.5°	801.2	801.7	802.2	802.6	802.7	802.5	802.3	802.0	801.7	801.9	802.2
155°	820.3	820.4	820.6	820.7	820.6	820.1	819.7	819.2	818.8	819.4	819.9
157.5°	836.3	836.2	836.2	836.1	835.7	835.3	834.7	834.2	833.7	834.5	835.3
160°	845.4	845.1	844.6	844.2	843.8	843.7	843.6	843.4	843.3	844.2	845.1
162.5°	853.8	853.3	852.7	852.1	851.8	851.7	851.5	851.3	851.2	852.1	853.0
165°	864.3	863.6	862.9	862.2	861.8	861.8	861.8	861.8	861.8	863.0	864.2
167.5°	872.8	872.1	871.3	870.5	870.1	870.0	870.0	869.9	869.8	871.0	872.4
170°	877.4	876.6	875.7	874.9	874.4	874.6	874.8	874.9	875.0	876.2	877.4
172.5°	880.7	879.8	878.9	878.0	877.6	877.8	877.9	878.1	878.2	879.4	880.6
175°	884.0	883.2	882.3	881.5	881.1	881.2	881.4	881.5	881.6	883.0	884.3
177.5°	885.7	884.9	884.0	883.2	883.0	883.2	883.4	883.7	883.9	884.8	885.8
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	882.8	883.3	885.8	887.8	888.3	891.1	891.4
5°	960.4	966.3	977.7	978.7	980.4	989.5	982.6
7.5°	1051.2	1066.2	1076.2	1085.0	1088.2	1092.2	1091.4
10°	1109.6	1131.8	1142.8	1160.6	1161.3	1165.7	1163.0
12.5°	1168.1	1193.9	1214.2	1217.5	1232.3	1234.6	1238.5
15°	1251.1	1278.5	1306.6	1316.7	1337.1	1342.0	1349.6
17.5°	1329.1	1357.1	1376.8	1402.8	1411.2	1422.5	1414.9
20°	1371.8	1402.4	1427.4	1447.8	1456.5	1462.8	1462.0
22.5°	1397.7	1428.4	1448.7	1464.2	1472.3	1475.0	1474.8
25°	1413.8	1431.6	1437.8	1443.7	1434.7	1431.6	1432.9
27.5°	1368.9	1364.2	1348.0	1326.6	1304.4	1286.7	1277.2
30°	1307.0	1279.9	1255.3	1212.3	1190.0	1176.9	1165.0
32.5°	1219.2	1176.3	1129.0	1089.6	1064.3	1044.7	1041.8
35°	1069.0	1004.4	946.5	898.2	873.3	852.1	847.2
37.5°	908.8	841.8	789.6	747.1	720.2	705.3	691.4
40°	802.5	744.9	693.6	657.5	637.0	626.2	617.6
42.5°	720.6	668.0	617.0	589.4	571.0	564.4	559.3
45°	607.5	558.6	523.2	502.4	491.6	480.5	475.3
47.5°	516.9	477.2	453.8	436.1	424.6	418.0	414.6
50°	465.6	433.0	412.1	398.7	388.3	383.0	380.2
52.5°	420.1	393.3	375.9	365.1	358.0	354.2	353.0
55°	361.9	341.4	330.3	320.9	315.8	312.3	310.9
57.5°	314.5	298.8	289.8	282.0	280.1	277.1	276.2
60°	283.5	271.3	263.7	258.5	256.7	253.2	254.0
62.5°	256.0	246.0	239.5	236.6	234.3	231.3	232.3
65°	216.5	209.2	205.7	203.0	200.2	198.5	199.8
67.5°	181.6	176.6	171.9	170.3	169.0	168.7	167.2
70°	158.9	154.7	150.6	149.5	149.5	148.1	147.8
72.5°	137.0	133.9	131.2	130.4	129.3	129.8	128.4
75°	105.8	103.3	102.4	101.3	100.9	100.9	100.0
77.5°	78.2	76.4	74.7	74.7	73.5	73.0	72.9
80°	59.3	58.7	57.2	57.2	56.5	56.9	56.2
82.5°	44.6	43.6	43.3	42.8	41.8	41.9	41.2
85°	23.9	22.9	22.6	21.5	20.8	21.5	20.8
87.5°	11.8	11.7	11.5	11.0	10.8	10.9	10.1
90°	17.2	18.1	18.6	19.0	19.3	19.5	19.9
92.5°	16.7	17.6	18.0	18.1	18.2	18.2	18.3
95°	17.2	18.1	18.6	18.7	18.9	19.1	19.2
97.5°	17.7	17.8	17.9	18.1	18.3	18.4	18.5
100°	21.6	19.1	17.9	18.1	18.3	18.4	18.5
102.5°	59.4	32.5	18.9	19.0	19.0	19.0	19.1
105°	210.4	211.8	209.8	204.6	199.2	193.9	188.7
107.5°	259.4	260.1	260.6	261.3	261.8	262.3	262.9
110°	292.7	293.1	293.5	293.9	294.4	294.8	295.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	325.1	325.0	325.3	325.8	326.4	327.0	327.5
115°	374.2	374.5	374.6	374.6	374.6	374.6	374.6
117.5°	422.9	422.8	422.8	422.8	422.7	422.6	422.6
120°	453.6	453.9	453.9	453.6	453.3	453.1	452.7
122.5°	483.5	483.7	483.6	483.3	483.0	482.7	482.4
125°	525.6	526.0	526.3	526.5	526.6	526.7	526.9
127.5°	566.6	566.5	566.4	566.3	566.1	566.1	566.0
130°	592.2	592.4	592.4	592.4	592.4	592.4	592.4
132.5°	617.1	617.2	617.2	617.2	617.0	616.9	616.8
135°	651.6	651.8	652.1	652.4	652.7	653.0	653.3
137.5°	684.5	684.7	684.9	684.8	684.7	684.7	684.6
140°	704.9	705.3	705.7	705.8	706.0	706.1	706.2
142.5°	723.6	724.0	724.2	724.2	724.2	724.2	724.2
145°	750.4	750.6	750.7	751.0	751.4	751.6	751.9
147.5°	774.0	774.1	774.3	774.4	774.5	774.7	774.8
150°	789.0	789.0	789.1	789.3	789.3	789.5	789.6
152.5°	802.4	802.6	802.7	802.6	802.5	802.5	802.4
155°	820.6	821.1	821.2	820.7	820.3	819.8	819.5
157.5°	836.1	836.8	836.8	836.1	835.3	834.5	833.7
160°	845.9	846.8	846.8	845.9	845.1	844.2	843.3
162.5°	853.8	854.7	854.7	853.7	852.7	851.7	850.7
165°	865.3	866.5	866.5	865.1	863.8	862.5	861.1
167.5°	873.6	874.9	874.9	873.3	871.9	870.4	869.0
170°	878.6	879.8	879.6	878.2	876.6	875.2	873.7
172.5°	881.7	882.9	882.7	881.1	879.6	878.0	876.4
175°	885.6	887.0	886.7	884.9	883.2	881.5	879.7
177.5°	886.7	887.7	887.4	886.0	884.6	883.2	881.8
180°	884.9	884.9	884.9	884.9	884.9	884.9	884.9

(END OF REPORT)