

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: P332728-940

Luminaire Tested: **S124DIW-S350D1050U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332728-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S350D1050U940-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4649.7 lumens
Efficiency: N/A
Efficacy: 122.4 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: Semi-Indirect

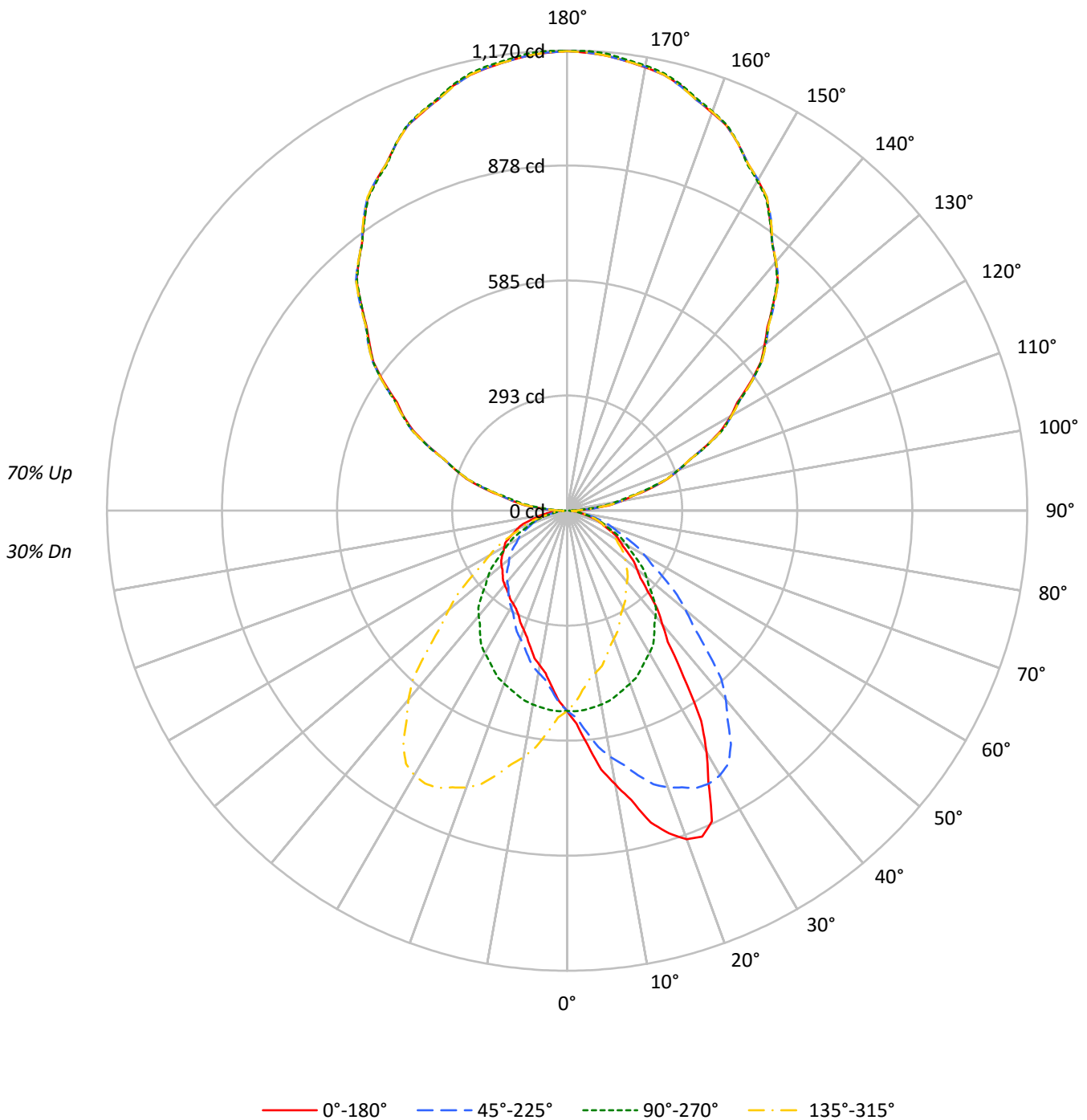
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	93	89	86	82	84	80	77	74	63	61	59	48	47	45	34	33	32	26
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27	22
3	78	69	62	56	70	62	56	51	49	45	42	37	35	32	27	25	23	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	19	17	16	12
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	39	32	27	46	36	29	25	29	24	21	22	19	17	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4112	4112	4112	4112
5°	4843	4123	3639	4123
10°	5799	4105	3277	4105
15°	6861	4064	3010	4064
20°	7640	4021	2770	4021
25°	7764	3958	2605	3958
30°	6605	3899	2553	3899
35°	5078	3802	2553	3802
40°	3959	3687	2602	3687
45°	3301	3515	2646	3515
50°	2905	3304	2735	3304
55°	2662	3054	2846	3054
60°	2493	2827	2977	2827
65°	2321	2575	3089	2575
70°	2122	2325	3158	2325
75°	1896	2046	3119	2046
80°	1590	1678	3022	1678
85°	1176	1213	2890	1213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.1
10°-20°	153.0	3.3
20°-30°	242.6	5.2
30°-40°	270.0	5.8
40°-50°	245.7	5.3
50°-60°	200.8	4.3
60°-70°	143.4	3.1
70°-80°	78.9	1.7
80°-90°	25.0	0.5
90°-100°	77.0	1.7
100°-110°	228.2	4.9
110°-120°	387.4	8.3
120°-130°	510.8	11.0
130°-140°	573.6	12.3
140°-150°	563.7	12.1
150°-160°	474.1	10.2
160°-170°	315.4	6.8
170°-180°	110.5	2.4
0°-30°	445.2	9.6
0°-40°	715.2	15.4
0°-60°	1161.7	25.0
0°-90°	1409.1	30.3
90°-120°	692.6	14.9
90°-150°	2340.6	50.3
90°-180°	3241.0	69.7
0°-180°	4649.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	509	509	509	509	509	
5°	598	509	449	509	598	61
15°	821	486	360	486	821	232
25°	872	444	292	444	872	384
35°	515	386	259	386	515	327
45°	289	308	232	308	289	228
55°	189	217	202	217	189	171
65°	122	135	162	135	122	120
75°	61	66	100	66	61	65
85°	13	13	31	13	13	16
90°	27	3	27	3	27	14
95°	71	54	71	54	71	74
105°	220	210	220	210	220	232
115°	390	394	390	394	390	386
125°	569	574	569	574	569	508
135°	741	740	741	740	741	572
145°	900	899	900	899	900	563
155°	1029	1030	1029	1030	1029	474
165°	1118	1121	1118	1121	1118	315
175°	1161	1166	1161	1166	1161	110
180°	1168	1168	1168	1168	1168	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	542.2	542.1	540.4	540.0	538.9	537.3	537.0	534.2	528.9	526.3	525.7
5°	597.6	601.9	596.4	595.3	594.7	587.7	584.2	580.0	570.2	564.5	560.1
7.5°	663.9	664.3	661.9	660.0	654.6	648.5	639.4	629.7	618.1	606.2	597.1
10°	707.4	709.1	706.3	706.0	695.2	688.4	674.9	663.5	650.4	635.9	622.6
12.5°	753.3	751.0	749.6	740.6	738.5	726.2	710.5	698.8	678.6	661.8	644.2
15°	820.9	816.3	813.3	800.9	794.8	777.7	761.0	748.1	721.8	696.6	677.6
17.5°	860.6	865.2	858.4	853.3	837.5	825.5	808.4	781.4	760.8	729.6	705.6
20°	889.3	889.7	885.9	880.7	868.3	853.0	834.5	804.9	780.2	749.2	716.2
22.5°	897.1	897.2	895.5	890.6	881.2	868.9	850.2	825.5	795.6	761.9	728.9
25°	871.6	870.8	872.6	878.2	874.6	870.8	860.0	841.6	813.8	778.1	742.6
27.5°	776.9	782.7	793.4	806.9	819.9	829.8	832.6	828.8	811.6	782.3	745.1
30°	708.6	715.9	723.9	737.4	763.6	778.6	795.0	807.4	800.5	777.0	742.4
32.5°	633.7	635.5	647.4	662.7	686.7	715.5	741.6	767.0	775.3	763.0	734.1
35°	515.3	518.4	531.2	546.4	575.7	611.0	650.2	685.3	714.2	725.8	711.0
37.5°	420.5	429.0	438.1	454.4	480.3	512.0	552.8	598.2	641.2	670.1	675.0
40°	375.7	380.9	387.4	399.9	421.9	453.1	488.1	540.0	585.9	627.2	640.7
42.5°	340.2	343.3	347.3	358.6	375.2	406.4	438.4	484.0	529.9	579.4	602.1
45°	289.1	292.3	299.1	305.6	318.3	339.7	369.5	407.1	453.3	501.0	542.8
47.5°	252.3	254.2	258.2	265.3	276.1	290.3	314.4	345.8	388.6	435.0	479.5
50°	231.3	233.0	236.1	242.5	250.7	263.4	283.2	312.5	346.1	392.7	436.4
52.5°	214.7	215.4	217.8	222.0	228.6	239.2	255.6	279.8	311.0	352.6	396.1
55°	189.1	189.9	192.1	195.2	200.9	207.7	220.1	238.3	265.5	301.6	339.4
57.5°	168.0	168.6	170.3	171.6	176.3	181.7	191.4	204.3	224.9	255.6	289.3
60°	154.4	154.1	156.1	157.2	160.4	165.1	172.5	184.9	202.8	227.5	258.5
62.5°	141.3	140.7	142.5	143.9	145.7	149.6	155.7	165.4	180.0	202.3	229.2
65°	121.5	120.7	121.8	123.5	125.1	127.2	131.7	140.4	151.9	168.0	188.4
67.5°	101.7	102.6	102.8	103.6	104.6	107.5	110.5	116.6	124.8	137.7	155.0
70°	89.9	90.2	91.0	91.0	91.6	94.2	96.7	100.2	108.3	120.1	134.2
72.5°	78.1	79.0	78.6	79.3	79.8	81.5	83.3	86.8	93.5	102.4	114.3
75°	60.8	61.4	61.4	61.6	62.2	62.9	64.4	66.9	71.8	78.3	86.5
77.5°	44.3	44.4	44.7	45.5	45.5	46.5	47.5	49.6	52.0	56.4	61.5
80°	34.2	34.6	34.4	34.9	34.9	35.7	36.1	38.6	39.7	42.6	46.6
82.5°	25.1	25.5	25.4	26.0	26.4	26.6	27.1	28.2	29.2	31.8	33.4
85°	12.7	13.1	12.7	13.1	13.7	13.9	14.5	14.8	15.6	16.2	17.7
87.5°	9.1	9.5	9.5	9.5	9.8	9.8	9.7	9.4	9.8	9.7	10.1
90°	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3	21.0	19.9	18.3
92.5°	40.1	39.9	39.6	39.4	39.1	38.7	37.9	37.2	36.5	35.8	34.7
95°	71.3	71.3	71.3	71.3	71.3	71.1	70.4	69.8	69.3	68.7	67.2
97.5°	111.8	111.8	111.8	111.8	111.8	111.5	110.8	110.0	109.3	108.6	106.9
100°	140.0	140.0	140.0	140.0	140.0	139.8	139.4	139.0	138.6	138.2	136.4
102.5°	171.8	171.7	171.5	171.3	171.2	170.9	170.2	169.7	169.2	168.5	166.9
105°	220.4	219.8	219.2	218.6	218.0	217.4	216.8	216.2	215.6	215.0	214.2
107.5°	267.8	267.8	267.9	267.9	267.9	267.7	267.1	266.5	266.0	265.4	265.3
110°	301.8	301.1	300.5	299.9	299.3	299.2	299.6	300.0	300.4	300.8	301.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	336.4	336.3	336.2	336.1	335.9	335.9	336.0	336.1	336.2	336.3	336.6
115°	390.2	390.5	390.7	390.8	391.0	391.3	391.5	391.6	391.8	392.1	392.4
117.5°	441.6	441.9	442.4	442.7	443.2	443.7	444.3	445.1	445.8	446.4	446.7
120°	480.5	480.2	479.7	479.4	478.9	479.3	480.3	481.3	482.3	483.3	483.9
122.5°	513.1	513.8	514.5	515.2	515.9	516.7	517.4	518.1	518.7	519.4	519.7
125°	569.1	569.5	569.9	570.3	570.7	571.1	571.5	571.9	572.3	572.7	572.9
127.5°	621.0	621.3	621.6	621.9	622.2	622.6	623.0	623.4	623.8	624.2	624.6
130°	655.0	655.8	656.6	657.4	658.2	658.7	659.2	659.5	660.0	660.3	660.3
132.5°	691.1	691.3	691.7	692.1	692.3	692.7	693.1	693.5	693.9	694.3	694.5
135°	740.7	741.4	741.9	742.5	743.2	743.7	744.0	744.5	744.8	745.3	745.3
137.5°	792.9	792.8	792.7	792.6	792.5	792.6	793.2	793.7	794.2	794.8	794.4
140°	824.7	824.9	825.2	825.4	825.5	825.7	826.0	826.2	826.3	826.5	826.5
142.5°	856.6	856.6	856.7	856.7	856.7	856.8	856.8	856.8	856.8	856.9	857.1
145°	899.7	900.4	900.9	901.5	902.1	902.5	902.8	902.9	903.1	903.3	903.1
147.5°	943.4	943.6	943.9	944.1	944.2	944.4	944.6	944.8	944.9	945.0	945.2
150°	970.2	970.4	970.6	970.8	971.0	971.1	971.1	971.1	971.1	971.1	971.1
152.5°	994.8	995.2	995.8	996.3	996.8	996.8	996.4	995.9	995.4	995.0	994.8
155°	1028.9	1029.7	1030.6	1031.4	1032.2	1032.2	1031.4	1030.6	1029.7	1028.9	1029.1
157.5°	1059.4	1060.2	1060.8	1061.5	1062.2	1062.2	1061.6	1061.0	1060.4	1059.8	1059.8
160°	1076.7	1077.8	1078.8	1079.8	1080.8	1081.0	1080.4	1079.8	1079.1	1078.6	1078.8
162.5°	1094.8	1095.8	1096.9	1097.9	1098.9	1098.9	1097.7	1096.6	1095.6	1094.5	1094.7
165°	1118.3	1119.1	1119.9	1120.7	1121.5	1121.3	1120.2	1118.9	1117.8	1116.5	1117.0
167.5°	1135.1	1136.4	1137.6	1138.9	1140.1	1140.1	1138.9	1137.7	1136.5	1135.3	1135.2
170°	1144.5	1145.9	1147.4	1148.8	1150.1	1150.2	1149.1	1147.8	1146.7	1145.4	1145.2
172.5°	1152.4	1153.9	1155.3	1156.7	1158.1	1158.2	1156.7	1155.4	1154.1	1152.6	1152.6
175°	1160.8	1162.2	1163.6	1165.0	1166.4	1166.4	1165.0	1163.6	1162.2	1160.8	1161.0
177.5°	1165.1	1166.4	1167.7	1168.9	1170.3	1170.4	1169.2	1168.1	1167.0	1165.8	1165.8
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	525.8	523.4	521.7	520.4	516.7	514.5	512.8	510.5	507.7	504.9	501.3
5°	555.6	548.5	543.2	535.2	527.6	521.3	514.7	508.8	501.7	493.8	488.1
7.5°	587.0	576.3	562.7	550.8	537.4	525.8	515.5	504.9	493.8	483.0	473.2
10°	607.0	593.3	578.0	560.1	543.2	528.2	514.3	500.8	487.7	474.7	463.4
12.5°	628.4	611.3	588.8	567.8	548.9	528.9	512.1	495.5	479.7	466.0	453.0
15°	657.2	632.5	606.5	578.5	553.6	530.1	507.1	486.2	468.5	450.3	437.7
17.5°	674.8	644.3	614.7	585.3	555.2	525.6	500.8	476.7	454.5	436.5	420.5
20°	686.5	656.1	619.2	589.9	554.0	523.6	494.9	468.1	444.9	425.7	409.2
22.5°	696.6	661.6	624.6	585.9	550.3	518.0	486.6	459.7	436.0	415.7	399.9
25°	702.1	661.8	621.7	583.3	542.8	504.6	476.1	444.4	419.1	397.8	380.9
27.5°	702.8	659.6	614.2	571.6	529.8	494.2	458.3	429.9	403.7	381.1	364.9
30°	700.9	655.9	607.2	561.0	519.0	480.4	449.1	418.3	391.5	369.1	352.2
32.5°	694.9	648.2	598.1	549.1	505.6	467.8	435.6	406.3	380.1	358.1	340.4
35°	677.9	631.6	578.3	527.4	482.9	444.7	415.5	385.8	359.6	338.8	321.6
37.5°	651.1	609.4	555.1	502.5	458.7	420.4	391.5	364.6	341.0	319.8	302.3
40°	627.9	591.1	536.6	485.4	438.1	401.6	374.6	349.9	326.5	306.4	289.7
42.5°	601.0	569.0	518.8	464.5	418.8	382.2	355.9	333.7	311.7	293.1	276.4
45°	553.1	532.0	484.7	434.5	387.0	352.4	327.3	307.9	289.4	271.2	257.3
47.5°	498.1	487.6	447.8	400.1	355.1	320.9	299.2	281.2	264.9	249.6	237.3
50°	461.1	456.0	421.7	375.7	332.6	300.5	278.6	263.1	249.2	235.8	224.1
52.5°	424.6	424.5	393.4	351.3	311.5	280.6	258.8	244.4	232.4	221.4	211.0
55°	368.9	374.8	350.5	313.0	277.3	249.4	229.8	217.0	208.5	199.5	191.6
57.5°	317.7	327.5	307.5	274.4	244.6	219.0	201.9	192.3	183.2	177.7	172.0
60°	284.3	293.6	277.9	250.1	222.0	200.1	183.8	175.1	167.4	163.5	159.5
62.5°	254.6	262.8	251.3	225.4	201.1	179.9	166.2	157.9	152.7	148.6	145.9
65°	212.1	219.1	209.1	190.4	169.4	152.6	141.4	134.8	129.8	128.1	125.1
67.5°	171.5	177.8	172.5	156.5	139.7	126.9	118.2	111.9	108.9	107.5	105.3
70°	147.3	153.6	147.9	134.0	121.1	110.4	102.1	98.5	95.4	94.8	91.8
72.5°	126.9	131.2	125.5	114.6	103.6	94.5	88.1	84.4	82.8	81.6	80.0
75°	95.1	99.0	95.1	86.8	78.9	72.6	67.1	65.6	63.8	63.1	62.1
77.5°	67.3	70.6	67.8	62.5	56.6	51.7	48.8	46.9	46.5	45.4	45.9
80°	51.5	53.6	50.8	47.3	42.6	39.2	37.2	36.1	34.9	34.4	35.2
82.5°	37.0	37.9	36.5	34.1	30.7	28.4	27.0	25.8	25.5	25.6	25.6
85°	19.2	19.0	18.8	16.7	15.6	14.2	13.3	13.1	12.8	13.3	13.7
87.5°	9.7	9.6	9.1	8.0	7.1	6.2	5.5	4.9	5.5	6.2	6.8
90°	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7	4.9	7.1	9.4
92.5°	33.5	32.4	31.3	29.4	26.9	24.4	21.8	19.4	21.8	24.4	26.9
95°	65.8	64.5	63.0	61.4	59.7	57.8	56.0	54.2	56.0	57.8	59.7
97.5°	105.3	103.6	102.0	100.5	99.0	97.6	96.1	94.7	96.1	97.6	99.0
100°	134.6	132.8	131.0	129.7	128.9	128.0	127.2	126.4	127.2	128.0	128.9
102.5°	165.2	163.6	161.9	161.0	160.7	160.3	160.1	159.7	160.1	160.3	160.7
105°	213.4	212.6	211.8	211.2	211.1	210.9	210.7	210.4	210.7	210.9	211.1
107.5°	265.2	265.0	264.9	264.7	264.5	264.2	264.0	263.8	264.0	264.2	264.5
110°	301.2	301.4	301.6	301.5	301.1	300.7	300.3	299.9	300.3	300.7	301.1



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	337.0	337.3	337.7	337.8	337.7	337.7	337.6	337.5	337.6	337.7	337.7
115°	392.9	393.2	393.7	393.9	393.9	393.9	393.9	393.9	393.9	393.9	393.9
117.5°	447.0	447.3	447.5	447.6	447.5	447.3	447.1	447.0	447.1	447.3	447.5
120°	484.5	485.1	485.7	485.6	484.8	484.0	483.2	482.4	483.2	484.0	484.8
122.5°	520.0	520.2	520.6	520.5	520.2	519.9	519.6	519.2	519.6	519.9	520.2
125°	573.1	573.3	573.5	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
127.5°	624.8	625.2	625.5	625.4	624.7	624.1	623.6	622.9	623.6	624.1	624.7
130°	660.3	660.3	660.3	660.0	659.4	658.8	658.3	657.6	658.3	658.8	659.4
132.5°	694.6	694.8	694.9	694.8	694.4	693.9	693.5	693.0	693.5	693.9	694.4
135°	745.3	745.3	745.3	744.7	743.4	742.3	741.0	739.9	741.0	742.3	743.4
137.5°	794.2	793.8	793.4	793.0	792.5	791.9	791.3	790.8	791.3	791.9	792.5
140°	826.5	826.5	826.5	826.3	826.0	825.5	825.2	824.7	825.2	825.5	826.0
142.5°	857.2	857.4	857.6	857.5	857.0	856.7	856.2	855.9	856.2	856.7	857.0
145°	902.9	902.8	902.5	902.1	901.3	900.4	899.6	898.8	899.6	900.4	901.3
147.5°	945.4	945.6	945.7	945.3	944.3	943.4	942.4	941.5	942.4	943.4	944.3
150°	971.1	971.1	971.1	970.7	969.9	969.1	968.3	967.5	968.3	969.1	969.9
152.5°	994.6	994.4	994.3	994.0	993.5	993.0	992.6	992.0	992.6	993.0	993.5
155°	1029.3	1029.5	1029.7	1029.8	1029.8	1029.8	1029.8	1029.8	1029.8	1029.8	1029.8
157.5°	1059.9	1059.9	1060.0	1060.2	1060.5	1060.9	1061.2	1061.6	1061.2	1060.9	1060.5
160°	1079.0	1079.1	1079.4	1079.6	1079.8	1080.0	1080.2	1080.4	1080.2	1080.0	1079.8
162.5°	1094.9	1095.1	1095.3	1095.6	1096.2	1096.7	1097.3	1097.7	1097.3	1096.7	1096.2
165°	1117.3	1117.8	1118.1	1118.7	1119.3	1119.8	1120.4	1121.1	1120.4	1119.8	1119.3
167.5°	1135.2	1135.2	1135.1	1135.6	1136.4	1137.3	1138.1	1138.9	1138.1	1137.3	1136.4
170°	1145.0	1144.9	1144.6	1145.0	1146.0	1147.0	1148.1	1149.1	1148.1	1147.0	1146.0
172.5°	1152.6	1152.5	1152.5	1152.9	1153.8	1154.6	1155.4	1156.3	1155.4	1154.6	1153.8
175°	1161.2	1161.4	1161.6	1162.2	1163.2	1164.2	1165.2	1166.2	1165.2	1164.2	1163.2
177.5°	1165.8	1165.8	1165.8	1166.3	1167.1	1167.9	1168.7	1169.5	1168.7	1167.9	1167.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	499.6	498.1	496.0	492.9	490.4	487.7	487.0	486.0	488.0	486.3	485.8
5°	483.3	478.8	473.1	466.6	462.8	457.4	456.3	454.1	452.0	451.8	449.7
7.5°	465.9	459.4	451.9	445.3	439.2	433.1	429.2	428.4	425.3	423.4	421.3
10°	454.8	446.7	438.1	431.8	424.6	418.3	413.8	411.3	409.2	406.9	404.7
12.5°	441.7	433.1	426.0	419.1	410.6	405.8	398.5	394.1	393.7	393.7	388.3
15°	426.3	417.9	406.9	397.2	392.5	383.3	379.2	374.2	371.0	367.8	365.3
17.5°	408.8	398.2	389.7	378.5	369.7	362.3	357.0	354.0	349.2	344.7	341.5
20°	397.8	386.6	377.6	365.7	356.1	347.0	342.5	338.3	334.7	330.9	327.3
22.5°	386.6	375.0	363.9	352.4	343.4	333.8	329.5	323.8	320.4	318.3	314.7
25°	369.1	356.4	343.8	332.8	323.5	315.0	309.4	305.0	301.1	299.4	297.1
27.5°	350.0	337.4	325.2	312.7	302.2	296.0	291.5	288.2	286.0	283.7	282.7
30°	337.9	324.8	311.7	300.1	290.4	284.3	280.1	277.8	276.1	275.0	273.9
32.5°	325.6	312.6	298.9	288.3	279.6	274.1	270.9	268.6	267.8	267.4	267.0
35°	305.8	292.7	280.1	270.5	262.3	260.2	257.4	256.2	255.7	257.3	257.9
37.5°	286.7	274.6	262.9	253.7	248.3	245.2	244.2	244.3	245.8	247.1	248.6
40°	274.4	262.5	251.6	243.5	238.4	236.6	236.1	237.2	238.9	240.4	242.1
42.5°	262.3	250.7	240.8	233.3	229.7	227.9	228.2	229.3	231.7	233.4	235.9
45°	243.8	234.1	224.4	218.2	215.3	215.7	215.7	217.6	219.9	222.7	225.4
47.5°	226.2	216.4	208.5	203.3	201.8	201.4	202.6	205.1	208.4	211.8	215.6
50°	214.5	205.1	198.1	193.5	191.8	192.4	194.1	196.4	200.5	204.7	208.7
52.5°	202.4	193.9	187.5	183.2	182.0	183.2	184.9	188.5	192.1	196.6	201.4
55°	183.8	176.6	171.6	168.4	168.0	168.6	170.5	174.5	179.6	185.3	189.9
57.5°	165.3	159.3	154.6	152.5	152.7	153.3	156.4	161.1	166.6	172.6	178.6
60°	152.8	147.3	143.5	141.8	142.0	143.3	147.1	151.5	158.3	164.2	170.5
62.5°	141.0	136.2	132.5	131.0	130.7	133.5	137.1	141.7	148.5	155.1	161.9
65°	122.0	118.2	115.2	114.4	115.0	117.2	121.8	127.9	133.6	140.5	147.8
67.5°	103.4	100.3	98.3	98.6	99.4	102.5	106.4	111.6	118.2	125.4	132.4
70°	91.6	88.6	86.9	87.1	88.5	92.2	95.6	100.9	107.8	115.2	121.1
72.5°	79.5	77.5	76.0	76.9	78.1	80.7	85.0	90.2	96.4	103.3	109.5
75°	61.0	61.0	60.2	60.8	62.7	65.2	68.4	73.8	80.0	85.5	90.5
77.5°	45.2	44.8	45.3	46.1	47.2	50.2	53.9	57.8	62.3	67.9	72.1
80°	34.6	34.9	35.8	37.2	37.5	39.9	43.7	47.3	50.8	55.5	59.5
82.5°	26.0	26.2	26.8	28.4	28.8	31.3	33.7	37.3	40.6	43.7	47.0
85°	14.2	14.2	15.2	15.9	16.9	18.5	20.1	22.2	25.1	27.2	30.4
87.5°	7.7	8.1	9.1	9.7	10.6	11.8	12.3	14.4	15.3	16.4	18.1
90°	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3	23.5	24.7	25.5
92.5°	29.4	31.3	32.4	33.5	34.7	35.8	36.5	37.2	37.9	38.7	39.1
95°	61.4	63.0	64.5	65.8	67.2	68.7	69.3	69.8	70.4	71.1	71.3
97.5°	100.5	102.0	103.6	105.3	106.9	108.6	109.3	110.0	110.8	111.5	111.8
100°	129.7	131.0	132.8	134.6	136.4	138.2	138.6	139.0	139.4	139.8	140.0
102.5°	161.0	161.9	163.6	165.2	166.9	168.5	169.2	169.7	170.2	170.9	171.2
105°	211.2	211.8	212.6	213.4	214.2	215.0	215.6	216.2	216.8	217.4	218.0
107.5°	264.7	264.9	265.0	265.2	265.3	265.4	266.0	266.5	267.1	267.7	267.9
110°	301.5	301.6	301.4	301.2	301.0	300.8	300.4	300.0	299.6	299.2	299.3



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	337.8	337.7	337.3	337.0	336.6	336.3	336.2	336.1	336.0	335.9	335.9
115°	393.9	393.7	393.2	392.9	392.4	392.1	391.8	391.6	391.5	391.3	391.0
117.5°	447.6	447.5	447.3	447.0	446.7	446.4	445.8	445.1	444.3	443.7	443.2
120°	485.6	485.7	485.1	484.5	483.9	483.3	482.3	481.3	480.3	479.3	478.9
122.5°	520.5	520.6	520.2	520.0	519.7	519.4	518.7	518.1	517.4	516.7	515.9
125°	573.6	573.5	573.3	573.1	572.9	572.7	572.3	571.9	571.5	571.1	570.7
127.5°	625.4	625.5	625.2	624.8	624.6	624.2	623.8	623.4	623.0	622.6	622.2
130°	660.0	660.3	660.3	660.3	660.3	660.3	660.0	659.5	659.2	658.7	658.2
132.5°	694.8	694.9	694.8	694.6	694.5	694.3	693.9	693.5	693.1	692.7	692.3
135°	744.7	745.3	745.3	745.3	745.3	745.3	744.8	744.5	744.0	743.7	743.2
137.5°	793.0	793.4	793.8	794.2	794.4	794.8	794.2	793.7	793.2	792.6	792.5
140°	826.3	826.5	826.5	826.5	826.5	826.5	826.3	826.2	826.0	825.7	825.5
142.5°	857.5	857.6	857.4	857.2	857.1	856.9	856.8	856.8	856.8	856.8	856.7
145°	902.1	902.5	902.8	902.9	903.1	903.3	903.1	902.9	902.8	902.5	902.1
147.5°	945.3	945.7	945.6	945.4	945.2	945.0	944.9	944.8	944.6	944.4	944.2
150°	970.7	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.0
152.5°	994.0	994.3	994.4	994.6	994.8	995.0	995.4	995.9	996.4	996.8	996.8
155°	1029.8	1029.7	1029.5	1029.3	1029.1	1028.9	1029.7	1030.6	1031.4	1032.2	1032.2
157.5°	1060.2	1060.0	1059.9	1059.9	1059.8	1059.8	1060.4	1061.0	1061.6	1062.2	1062.2
160°	1079.6	1079.4	1079.1	1079.0	1078.8	1078.6	1079.1	1079.8	1080.4	1081.0	1080.8
162.5°	1095.6	1095.3	1095.1	1094.9	1094.7	1094.5	1095.6	1096.6	1097.7	1098.9	1098.9
165°	1118.7	1118.1	1117.8	1117.3	1117.0	1116.5	1117.8	1118.9	1120.2	1121.3	1121.5
167.5°	1135.6	1135.1	1135.2	1135.2	1135.2	1135.3	1136.5	1137.7	1138.9	1140.1	1140.1
170°	1145.0	1144.6	1144.9	1145.0	1145.2	1145.4	1146.7	1147.8	1149.1	1150.2	1150.1
172.5°	1152.9	1152.5	1152.5	1152.6	1152.6	1152.6	1154.1	1155.4	1156.7	1158.2	1158.1
175°	1162.2	1161.6	1161.4	1161.2	1161.0	1160.8	1162.2	1163.6	1165.0	1166.4	1166.4
177.5°	1166.3	1165.8	1165.8	1165.8	1165.8	1165.8	1167.0	1168.1	1169.2	1170.4	1170.3
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	485.4	485.2	483.9	483.8	483.9	485.2	485.4	485.8	486.3	488.0	486.0
5°	448.4	447.4	446.7	449.1	446.7	447.4	448.4	449.7	451.8	452.0	454.1
7.5°	420.5	419.7	417.9	417.2	417.9	419.7	420.5	421.3	423.4	425.3	428.4
10°	402.7	401.8	400.1	399.7	400.1	401.8	402.7	404.7	406.9	409.2	411.3
12.5°	385.4	383.8	383.4	383.9	383.4	383.8	385.4	388.3	393.7	393.7	394.1
15°	362.6	361.7	359.4	360.1	359.4	361.7	362.6	365.3	367.8	371.0	374.2
17.5°	340.0	339.0	336.2	338.7	336.2	339.0	340.0	341.5	344.7	349.2	354.0
20°	325.8	324.1	322.7	322.4	322.7	324.1	325.8	327.3	330.9	334.7	338.3
22.5°	312.4	310.9	310.7	309.3	310.7	310.9	312.4	314.7	318.3	320.4	323.8
25°	295.4	294.0	293.6	292.5	293.6	294.0	295.4	297.1	299.4	301.1	305.0
27.5°	282.5	281.8	281.0	281.3	281.0	281.8	282.5	282.7	283.7	286.0	288.2
30°	274.6	274.4	273.9	273.9	273.9	274.4	274.6	273.9	275.0	276.1	277.8
32.5°	268.0	268.0	268.2	268.2	268.2	268.0	268.0	267.0	267.4	267.8	268.6
35°	258.8	259.4	259.8	259.1	259.8	259.4	258.8	257.9	257.3	255.7	256.2
37.5°	250.4	251.0	251.6	252.4	251.6	251.0	250.4	248.6	247.1	245.8	244.3
40°	244.0	245.4	245.8	246.9	245.8	245.4	244.0	242.1	240.4	238.9	237.2
42.5°	237.9	239.5	240.6	240.9	240.6	239.5	237.9	235.9	233.4	231.7	229.3
45°	228.5	230.2	231.8	231.8	231.8	230.2	228.5	225.4	222.7	219.9	217.6
47.5°	218.9	221.3	222.8	223.2	222.8	221.3	218.9	215.6	211.8	208.4	205.1
50°	212.3	215.3	216.8	217.8	216.8	215.3	212.3	208.7	204.7	200.5	196.4
52.5°	205.9	208.8	210.8	211.3	210.8	208.8	205.9	201.4	196.6	192.1	188.5
55°	194.7	199.0	201.3	202.2	201.3	199.0	194.7	189.9	185.3	179.6	174.5
57.5°	184.3	188.2	190.9	191.5	190.9	188.2	184.3	178.6	172.6	166.6	161.1
60°	176.2	180.5	183.8	184.4	183.8	180.5	176.2	170.5	164.2	158.3	151.5
62.5°	167.9	172.4	175.4	177.0	175.4	172.4	167.9	161.9	155.1	148.5	141.7
65°	153.6	158.1	161.0	161.7	161.0	158.1	153.6	147.8	140.5	133.6	127.9
67.5°	138.0	142.5	144.4	145.6	144.4	142.5	138.0	132.4	125.4	118.2	111.6
70°	127.1	130.6	132.8	133.8	132.8	130.6	127.1	121.1	115.2	107.8	100.9
72.5°	114.6	118.3	120.7	121.0	120.7	118.3	114.6	109.5	103.3	96.4	90.2
75°	95.4	98.8	100.0	100.0	100.0	98.8	95.4	90.5	85.5	80.0	73.8
77.5°	75.5	77.2	78.8	79.2	78.8	77.2	75.5	72.1	67.9	62.3	57.8
80°	62.7	63.8	65.0	65.0	65.0	63.8	62.7	59.5	55.5	50.8	47.3
82.5°	49.5	50.4	51.6	51.5	51.6	50.4	49.5	47.0	43.7	40.6	37.3
85°	30.0	31.8	31.7	31.2	31.7	31.8	30.0	30.4	27.2	25.1	22.2
87.5°	18.7	18.9	19.5	20.0	19.5	18.9	18.7	18.1	16.4	15.3	14.4
90°	25.9	26.3	26.7	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3
92.5°	39.4	39.6	39.9	40.1	39.9	39.6	39.4	39.1	38.7	37.9	37.2
95°	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.1	70.4	69.8
97.5°	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.5	110.8	110.0
100°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	139.8	139.4	139.0
102.5°	171.3	171.5	171.7	171.8	171.7	171.5	171.3	171.2	170.9	170.2	169.7
105°	218.6	219.2	219.8	220.4	219.8	219.2	218.6	218.0	217.4	216.8	216.2
107.5°	267.9	267.9	267.8	267.8	267.8	267.9	267.9	267.9	267.7	267.1	266.5
110°	299.9	300.5	301.1	301.8	301.1	300.5	299.9	299.3	299.2	299.6	300.0



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	336.1	336.2	336.3	336.4	336.3	336.2	336.1	335.9	335.9	336.0	336.1
115°	390.8	390.7	390.5	390.2	390.5	390.7	390.8	391.0	391.3	391.5	391.6
117.5°	442.7	442.4	441.9	441.6	441.9	442.4	442.7	443.2	443.7	444.3	445.1
120°	479.4	479.7	480.2	480.5	480.2	479.7	479.4	478.9	479.3	480.3	481.3
122.5°	515.2	514.5	513.8	513.1	513.8	514.5	515.2	515.9	516.7	517.4	518.1
125°	570.3	569.9	569.5	569.1	569.5	569.9	570.3	570.7	571.1	571.5	571.9
127.5°	621.9	621.6	621.3	621.0	621.3	621.6	621.9	622.2	622.6	623.0	623.4
130°	657.4	656.6	655.8	655.0	655.8	656.6	657.4	658.2	658.7	659.2	659.5
132.5°	692.1	691.7	691.3	691.1	691.3	691.7	692.1	692.3	692.7	693.1	693.5
135°	742.5	741.9	741.4	740.7	741.4	741.9	742.5	743.2	743.7	744.0	744.5
137.5°	792.6	792.7	792.8	792.9	792.8	792.7	792.6	792.5	792.6	793.2	793.7
140°	825.4	825.2	824.9	824.7	824.9	825.2	825.4	825.5	825.7	826.0	826.2
142.5°	856.7	856.7	856.6	856.6	856.6	856.7	856.7	856.7	856.8	856.8	856.8
145°	901.5	900.9	900.4	899.7	900.4	900.9	901.5	902.1	902.5	902.8	902.9
147.5°	944.1	943.9	943.6	943.4	943.6	943.9	944.1	944.2	944.4	944.6	944.8
150°	970.8	970.6	970.4	970.2	970.4	970.6	970.8	971.0	971.1	971.1	971.1
152.5°	996.3	995.8	995.2	994.8	995.2	995.8	996.3	996.8	996.8	996.4	995.9
155°	1031.4	1030.6	1029.7	1028.9	1029.7	1030.6	1031.4	1032.2	1032.2	1031.4	1030.6
157.5°	1061.5	1060.8	1060.2	1059.4	1060.2	1060.8	1061.5	1062.2	1062.2	1061.6	1061.0
160°	1079.8	1078.8	1077.8	1076.7	1077.8	1078.8	1079.8	1080.8	1081.0	1080.4	1079.8
162.5°	1097.9	1096.9	1095.8	1094.8	1095.8	1096.9	1097.9	1098.9	1098.9	1097.7	1096.6
165°	1120.7	1119.9	1119.1	1118.3	1119.1	1119.9	1120.7	1121.5	1121.3	1120.2	1118.9
167.5°	1138.9	1137.6	1136.4	1135.1	1136.4	1137.6	1138.9	1140.1	1140.1	1138.9	1137.7
170°	1148.8	1147.4	1145.9	1144.5	1145.9	1147.4	1148.8	1150.1	1150.2	1149.1	1147.8
172.5°	1156.7	1155.3	1153.9	1152.4	1153.9	1155.3	1156.7	1158.1	1158.2	1156.7	1155.4
175°	1165.0	1163.6	1162.2	1160.8	1162.2	1163.6	1165.0	1166.4	1166.4	1165.0	1163.6
177.5°	1168.9	1167.7	1166.4	1165.1	1166.4	1167.7	1168.9	1170.3	1170.4	1169.2	1168.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	487.0	487.7	490.4	492.9	496.0	498.1	499.6	501.3	504.9	507.7	510.5
5°	456.3	457.4	462.8	466.6	473.1	478.8	483.3	488.1	493.8	501.7	508.8
7.5°	429.2	433.1	439.2	445.3	451.9	459.4	465.9	473.2	483.0	493.8	504.9
10°	413.8	418.3	424.6	431.8	438.1	446.7	454.8	463.4	474.7	487.7	500.8
12.5°	398.5	405.8	410.6	419.1	426.0	433.1	441.7	453.0	466.0	479.7	495.5
15°	379.2	383.3	392.5	397.2	406.9	417.9	426.3	437.7	450.3	468.5	486.2
17.5°	357.0	362.3	369.7	378.5	389.7	398.2	408.8	420.5	436.5	454.5	476.7
20°	342.5	347.0	356.1	365.7	377.6	386.6	397.8	409.2	425.7	444.9	468.1
22.5°	329.5	333.8	343.4	352.4	363.9	375.0	386.6	399.9	415.7	436.0	459.7
25°	309.4	315.0	323.5	332.8	343.8	356.4	369.1	380.9	397.8	419.1	444.4
27.5°	291.5	296.0	302.2	312.7	325.2	337.4	350.0	364.9	381.1	403.7	429.9
30°	280.1	284.3	290.4	300.1	311.7	324.8	337.9	352.2	369.1	391.5	418.3
32.5°	270.9	274.1	279.6	288.3	298.9	312.6	325.6	340.4	358.1	380.1	406.3
35°	257.4	260.2	262.3	270.5	280.1	292.7	305.8	321.6	338.8	359.6	385.8
37.5°	244.2	245.2	248.3	253.7	262.9	274.6	286.7	302.3	319.8	341.0	364.6
40°	236.1	236.6	238.4	243.5	251.6	262.5	274.4	289.7	306.4	326.5	349.9
42.5°	228.2	227.9	229.7	233.3	240.8	250.7	262.3	276.4	293.1	311.7	333.7
45°	215.7	215.7	215.3	218.2	224.4	234.1	243.8	257.3	271.2	289.4	307.9
47.5°	202.6	201.4	201.8	203.3	208.5	216.4	226.2	237.3	249.6	264.9	281.2
50°	194.1	192.4	191.8	193.5	198.1	205.1	214.5	224.1	235.8	249.2	263.1
52.5°	184.9	183.2	182.0	183.2	187.5	193.9	202.4	211.0	221.4	232.4	244.4
55°	170.5	168.6	168.0	168.4	171.6	176.6	183.8	191.6	199.5	208.5	217.0
57.5°	156.4	153.3	152.7	152.5	154.6	159.3	165.3	172.0	177.7	183.2	192.3
60°	147.1	143.3	142.0	141.8	143.5	147.3	152.8	159.5	163.5	167.4	175.1
62.5°	137.1	133.5	130.7	131.0	132.5	136.2	141.0	145.9	148.6	152.7	157.9
65°	121.8	117.2	115.0	114.4	115.2	118.2	122.0	125.1	128.1	129.8	134.8
67.5°	106.4	102.5	99.4	98.6	98.3	100.3	103.4	105.3	107.5	108.9	111.9
70°	95.6	92.2	88.5	87.1	86.9	88.6	91.6	91.8	94.8	95.4	98.5
72.5°	85.0	80.7	78.1	76.9	76.0	77.5	79.5	80.0	81.6	82.8	84.4
75°	68.4	65.2	62.7	60.8	60.2	61.0	61.0	62.1	63.1	63.8	65.6
77.5°	53.9	50.2	47.2	46.1	45.3	44.8	45.2	45.9	45.4	46.5	46.9
80°	43.7	39.9	37.5	37.2	35.8	34.9	34.6	35.2	34.4	34.9	36.1
82.5°	33.7	31.3	28.8	28.4	26.8	26.2	26.0	25.6	25.6	25.5	25.8
85°	20.1	18.5	16.9	15.9	15.2	14.2	14.2	13.7	13.3	12.8	13.1
87.5°	12.3	11.8	10.6	9.7	9.1	8.1	7.7	6.8	6.2	5.5	4.9
90°	21.0	19.9	18.3	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7
92.5°	36.5	35.8	34.7	33.5	32.4	31.3	29.4	26.9	24.4	21.8	19.4
95°	69.3	68.7	67.2	65.8	64.5	63.0	61.4	59.7	57.8	56.0	54.2
97.5°	109.3	108.6	106.9	105.3	103.6	102.0	100.5	99.0	97.6	96.1	94.7
100°	138.6	138.2	136.4	134.6	132.8	131.0	129.7	128.9	128.0	127.2	126.4
102.5°	169.2	168.5	166.9	165.2	163.6	161.9	161.0	160.7	160.3	160.1	159.7
105°	215.6	215.0	214.2	213.4	212.6	211.8	211.2	211.1	210.9	210.7	210.4
107.5°	266.0	265.4	265.3	265.2	265.0	264.9	264.7	264.5	264.2	264.0	263.8
110°	300.4	300.8	301.0	301.2	301.4	301.6	301.5	301.1	300.7	300.3	299.9



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	336.2	336.3	336.6	337.0	337.3	337.7	337.8	337.7	337.7	337.6	337.5
115°	391.8	392.1	392.4	392.9	393.2	393.7	393.9	393.9	393.9	393.9	393.9
117.5°	445.8	446.4	446.7	447.0	447.3	447.5	447.6	447.5	447.3	447.1	447.0
120°	482.3	483.3	483.9	484.5	485.1	485.7	485.6	484.8	484.0	483.2	482.4
122.5°	518.7	519.4	519.7	520.0	520.2	520.6	520.5	520.2	519.9	519.6	519.2
125°	572.3	572.7	572.9	573.1	573.3	573.5	573.6	573.6	573.6	573.6	573.6
127.5°	623.8	624.2	624.6	624.8	625.2	625.5	625.4	624.7	624.1	623.6	622.9
130°	660.0	660.3	660.3	660.3	660.3	660.3	660.0	659.4	658.8	658.3	657.6
132.5°	693.9	694.3	694.5	694.6	694.8	694.9	694.8	694.4	693.9	693.5	693.0
135°	744.8	745.3	745.3	745.3	745.3	745.3	744.7	743.4	742.3	741.0	739.9
137.5°	794.2	794.8	794.4	794.2	793.8	793.4	793.0	792.5	791.9	791.3	790.8
140°	826.3	826.5	826.5	826.5	826.5	826.5	826.3	826.0	825.5	825.2	824.7
142.5°	856.8	856.9	857.1	857.2	857.4	857.6	857.5	857.0	856.7	856.2	855.9
145°	903.1	903.3	903.1	902.9	902.8	902.5	902.1	901.3	900.4	899.6	898.8
147.5°	944.9	945.0	945.2	945.4	945.6	945.7	945.3	944.3	943.4	942.4	941.5
150°	971.1	971.1	971.1	971.1	971.1	971.1	970.7	969.9	969.1	968.3	967.5
152.5°	995.4	995.0	994.8	994.6	994.4	994.3	994.0	993.5	993.0	992.6	992.0
155°	1029.7	1028.9	1029.1	1029.3	1029.5	1029.7	1029.8	1029.8	1029.8	1029.8	1029.8
157.5°	1060.4	1059.8	1059.8	1059.9	1059.9	1060.0	1060.2	1060.5	1060.9	1061.2	1061.6
160°	1079.1	1078.6	1078.8	1079.0	1079.1	1079.4	1079.6	1079.8	1080.0	1080.2	1080.4
162.5°	1095.6	1094.5	1094.7	1094.9	1095.1	1095.3	1095.6	1096.2	1096.7	1097.3	1097.7
165°	1117.8	1116.5	1117.0	1117.3	1117.8	1118.1	1118.7	1119.3	1119.8	1120.4	1121.1
167.5°	1136.5	1135.3	1135.2	1135.2	1135.2	1135.1	1135.6	1136.4	1137.3	1138.1	1138.9
170°	1146.7	1145.4	1145.2	1145.0	1144.9	1144.6	1145.0	1146.0	1147.0	1148.1	1149.1
172.5°	1154.1	1152.6	1152.6	1152.6	1152.5	1152.5	1152.9	1153.8	1154.6	1155.4	1156.3
175°	1162.2	1160.8	1161.0	1161.2	1161.4	1161.6	1162.2	1163.2	1164.2	1165.2	1166.2
177.5°	1167.0	1165.8	1165.8	1165.8	1165.8	1165.8	1166.3	1167.1	1167.9	1168.7	1169.5
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



TEST NUMBER: P332728-940

CATALOG NUMBER: S124DIW-S350D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	512.8	514.5	516.7	520.4	521.7	523.4	525.8	525.7	526.3	528.9	534.2
5°	514.7	521.3	527.6	535.2	543.2	548.5	555.6	560.1	564.5	570.2	580.0
7.5°	515.5	525.8	537.4	550.8	562.7	576.3	587.0	597.1	606.2	618.1	629.7
10°	514.3	528.2	543.2	560.1	578.0	593.3	607.0	622.6	635.9	650.4	663.5
12.5°	512.1	528.9	548.9	567.8	588.8	611.3	628.4	644.2	661.8	678.6	698.8
15°	507.1	530.1	553.6	578.5	606.5	632.5	657.2	677.6	696.6	721.8	748.1
17.5°	500.8	525.6	555.2	585.3	614.7	644.3	674.8	705.6	729.6	760.8	781.4
20°	494.9	523.6	554.0	589.9	619.2	656.1	686.5	716.2	749.2	780.2	804.9
22.5°	486.6	518.0	550.3	585.9	624.6	661.6	696.6	728.9	761.9	795.6	825.5
25°	476.1	504.6	542.8	583.3	621.7	661.8	702.1	742.6	778.1	813.8	841.6
27.5°	458.3	494.2	529.8	571.6	614.2	659.6	702.8	745.1	782.3	811.6	828.8
30°	449.1	480.4	519.0	561.0	607.2	655.9	700.9	742.4	777.0	800.5	807.4
32.5°	435.6	467.8	505.6	549.1	598.1	648.2	694.9	734.1	763.0	775.3	767.0
35°	415.5	444.7	482.9	527.4	578.3	631.6	677.9	711.0	725.8	714.2	685.3
37.5°	391.5	420.4	458.7	502.5	555.1	609.4	651.1	675.0	670.1	641.2	598.2
40°	374.6	401.6	438.1	485.4	536.6	591.1	627.9	640.7	627.2	585.9	540.0
42.5°	355.9	382.2	418.8	464.5	518.8	569.0	601.0	602.1	579.4	529.9	484.0
45°	327.3	352.4	387.0	434.5	484.7	532.0	553.1	542.8	501.0	453.3	407.1
47.5°	299.2	320.9	355.1	400.1	447.8	487.6	498.1	479.5	435.0	388.6	345.8
50°	278.6	300.5	332.6	375.7	421.7	456.0	461.1	436.4	392.7	346.1	312.5
52.5°	258.8	280.6	311.5	351.3	393.4	424.5	424.6	396.1	352.6	311.0	279.8
55°	229.8	249.4	277.3	313.0	350.5	374.8	368.9	339.4	301.6	265.5	238.3
57.5°	201.9	219.0	244.6	274.4	307.5	327.5	317.7	289.3	255.6	224.9	204.3
60°	183.8	200.1	222.0	250.1	277.9	293.6	284.3	258.5	227.5	202.8	184.9
62.5°	166.2	179.9	201.1	225.4	251.3	262.8	254.6	229.2	202.3	180.0	165.4
65°	141.4	152.6	169.4	190.4	209.1	219.1	212.1	188.4	168.0	151.9	140.4
67.5°	118.2	126.9	139.7	156.5	172.5	177.8	171.5	155.0	137.7	124.8	116.6
70°	102.1	110.4	121.1	134.0	147.9	153.6	147.3	134.2	120.1	108.3	100.2
72.5°	88.1	94.5	103.6	114.6	125.5	131.2	126.9	114.3	102.4	93.5	86.8
75°	67.1	72.6	78.9	86.8	95.1	99.0	95.1	86.5	78.3	71.8	66.9
77.5°	48.8	51.7	56.6	62.5	67.8	70.6	67.3	61.5	56.4	52.0	49.6
80°	37.2	39.2	42.6	47.3	50.8	53.6	51.5	46.6	42.6	39.7	38.6
82.5°	27.0	28.4	30.7	34.1	36.5	37.9	37.0	33.4	31.8	29.2	28.2
85°	13.3	14.2	15.6	16.7	18.8	19.0	19.2	17.7	16.2	15.6	14.8
87.5°	5.5	6.2	7.1	8.0	9.1	9.6	9.7	10.1	9.7	9.8	9.4
90°	4.9	7.1	9.4	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3
92.5°	21.8	24.4	26.9	29.4	31.3	32.4	33.5	34.7	35.8	36.5	37.2
95°	56.0	57.8	59.7	61.4	63.0	64.5	65.8	67.2	68.7	69.3	69.8
97.5°	96.1	97.6	99.0	100.5	102.0	103.6	105.3	106.9	108.6	109.3	110.0
100°	127.2	128.0	128.9	129.7	131.0	132.8	134.6	136.4	138.2	138.6	139.0
102.5°	160.1	160.3	160.7	161.0	161.9	163.6	165.2	166.9	168.5	169.2	169.7
105°	210.7	210.9	211.1	211.2	211.8	212.6	213.4	214.2	215.0	215.6	216.2
107.5°	264.0	264.2	264.5	264.7	264.9	265.0	265.2	265.3	265.4	266.0	266.5
110°	300.3	300.7	301.1	301.5	301.6	301.4	301.2	301.0	300.8	300.4	300.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	337.6	337.7	337.7	337.8	337.7	337.3	337.0	336.6	336.3	336.2	336.1
115°	393.9	393.9	393.9	393.9	393.7	393.2	392.9	392.4	392.1	391.8	391.6
117.5°	447.1	447.3	447.5	447.6	447.5	447.3	447.0	446.7	446.4	445.8	445.1
120°	483.2	484.0	484.8	485.6	485.7	485.1	484.5	483.9	483.3	482.3	481.3
122.5°	519.6	519.9	520.2	520.5	520.6	520.2	520.0	519.7	519.4	518.7	518.1
125°	573.6	573.6	573.6	573.6	573.5	573.3	573.1	572.9	572.7	572.3	571.9
127.5°	623.6	624.1	624.7	625.4	625.5	625.2	624.8	624.6	624.2	623.8	623.4
130°	658.3	658.8	659.4	660.0	660.3	660.3	660.3	660.3	660.3	660.0	659.5
132.5°	693.5	693.9	694.4	694.8	694.9	694.8	694.6	694.5	694.3	693.9	693.5
135°	741.0	742.3	743.4	744.7	745.3	745.3	745.3	745.3	745.3	744.8	744.5
137.5°	791.3	791.9	792.5	793.0	793.4	793.8	794.2	794.4	794.8	794.2	793.7
140°	825.2	825.5	826.0	826.3	826.5	826.5	826.5	826.5	826.5	826.3	826.2
142.5°	856.2	856.7	857.0	857.5	857.6	857.4	857.2	857.1	856.9	856.8	856.8
145°	899.6	900.4	901.3	902.1	902.5	902.8	902.9	903.1	903.3	903.1	902.9
147.5°	942.4	943.4	944.3	945.3	945.7	945.6	945.4	945.2	945.0	944.9	944.8
150°	968.3	969.1	969.9	970.7	971.1	971.1	971.1	971.1	971.1	971.1	971.1
152.5°	992.6	993.0	993.5	994.0	994.3	994.4	994.6	994.8	995.0	995.4	995.9
155°	1029.8	1029.8	1029.8	1029.8	1029.7	1029.5	1029.3	1029.1	1028.9	1029.7	1030.6
157.5°	1061.2	1060.9	1060.5	1060.2	1060.0	1059.9	1059.9	1059.8	1059.8	1060.4	1061.0
160°	1080.2	1080.0	1079.8	1079.6	1079.4	1079.1	1079.0	1078.8	1078.6	1079.1	1079.8
162.5°	1097.3	1096.7	1096.2	1095.6	1095.3	1095.1	1094.9	1094.7	1094.5	1095.6	1096.6
165°	1120.4	1119.8	1119.3	1118.7	1118.1	1117.8	1117.3	1117.0	1116.5	1117.8	1118.9
167.5°	1138.1	1137.3	1136.4	1135.6	1135.1	1135.2	1135.2	1135.2	1135.3	1136.5	1137.7
170°	1148.1	1147.0	1146.0	1145.0	1144.6	1144.9	1145.0	1145.2	1145.4	1146.7	1147.8
172.5°	1155.4	1154.6	1153.8	1152.9	1152.5	1152.5	1152.6	1152.6	1152.6	1154.1	1155.4
175°	1165.2	1164.2	1163.2	1162.2	1161.6	1161.4	1161.2	1161.0	1160.8	1162.2	1163.6
177.5°	1168.7	1167.9	1167.1	1166.3	1165.8	1165.8	1165.8	1165.8	1165.8	1167.0	1168.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	537.0	537.3	538.9	540.0	540.4	542.1	542.2
5°	584.2	587.7	594.7	595.3	596.4	601.9	597.6
7.5°	639.4	648.5	654.6	660.0	661.9	664.3	663.9
10°	674.9	688.4	695.2	706.0	706.3	709.1	707.4
12.5°	710.5	726.2	738.5	740.6	749.6	751.0	753.3
15°	761.0	777.7	794.8	800.9	813.3	816.3	820.9
17.5°	808.4	825.5	837.5	853.3	858.4	865.2	860.6
20°	834.5	853.0	868.3	880.7	885.9	889.7	889.3
22.5°	850.2	868.9	881.2	890.6	895.5	897.2	897.1
25°	860.0	870.8	874.6	878.2	872.6	870.8	871.6
27.5°	832.6	829.8	819.9	806.9	793.4	782.7	776.9
30°	795.0	778.6	763.6	737.4	723.9	715.9	708.6
32.5°	741.6	715.5	686.7	662.7	647.4	635.5	633.7
35°	650.2	611.0	575.7	546.4	531.2	518.4	515.3
37.5°	552.8	512.0	480.3	454.4	438.1	429.0	420.5
40°	488.1	453.1	421.9	399.9	387.4	380.9	375.7
42.5°	438.4	406.4	375.2	358.6	347.3	343.3	340.2
45°	369.5	339.7	318.3	305.6	299.1	292.3	289.1
47.5°	314.4	290.3	276.1	265.3	258.2	254.2	252.3
50°	283.2	263.4	250.7	242.5	236.1	233.0	231.3
52.5°	255.6	239.2	228.6	222.0	217.8	215.4	214.7
55°	220.1	207.7	200.9	195.2	192.1	189.9	189.1
57.5°	191.4	181.7	176.3	171.6	170.3	168.6	168.0
60°	172.5	165.1	160.4	157.2	156.1	154.1	154.4
62.5°	155.7	149.6	145.7	143.9	142.5	140.7	141.3
65°	131.7	127.2	125.1	123.5	121.8	120.7	121.5
67.5°	110.5	107.5	104.6	103.6	102.8	102.6	101.7
70°	96.7	94.2	91.6	91.0	91.0	90.2	89.9
72.5°	83.3	81.5	79.8	79.3	78.6	79.0	78.1
75°	64.4	62.9	62.2	61.6	61.4	61.4	60.8
77.5°	47.5	46.5	45.5	45.5	44.7	44.4	44.3
80°	36.1	35.7	34.9	34.9	34.4	34.6	34.2
82.5°	27.1	26.6	26.4	26.0	25.4	25.5	25.1
85°	14.5	13.9	13.7	13.1	12.7	13.1	12.7
87.5°	9.7	9.8	9.8	9.5	9.5	9.5	9.1
90°	23.5	24.7	25.5	25.9	26.3	26.7	27.1
92.5°	37.9	38.7	39.1	39.4	39.6	39.9	40.1
95°	70.4	71.1	71.3	71.3	71.3	71.3	71.3
97.5°	110.8	111.5	111.8	111.8	111.8	111.8	111.8
100°	139.4	139.8	140.0	140.0	140.0	140.0	140.0
102.5°	170.2	170.9	171.2	171.3	171.5	171.7	171.8
105°	216.8	217.4	218.0	218.6	219.2	219.8	220.4
107.5°	267.1	267.7	267.9	267.9	267.9	267.8	267.8
110°	299.6	299.2	299.3	299.9	300.5	301.1	301.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	336.0	335.9	335.9	336.1	336.2	336.3	336.4
115°	391.5	391.3	391.0	390.8	390.7	390.5	390.2
117.5°	444.3	443.7	443.2	442.7	442.4	441.9	441.6
120°	480.3	479.3	478.9	479.4	479.7	480.2	480.5
122.5°	517.4	516.7	515.9	515.2	514.5	513.8	513.1
125°	571.5	571.1	570.7	570.3	569.9	569.5	569.1
127.5°	623.0	622.6	622.2	621.9	621.6	621.3	621.0
130°	659.2	658.7	658.2	657.4	656.6	655.8	655.0
132.5°	693.1	692.7	692.3	692.1	691.7	691.3	691.1
135°	744.0	743.7	743.2	742.5	741.9	741.4	740.7
137.5°	793.2	792.6	792.5	792.6	792.7	792.8	792.9
140°	826.0	825.7	825.5	825.4	825.2	824.9	824.7
142.5°	856.8	856.8	856.7	856.7	856.7	856.6	856.6
145°	902.8	902.5	902.1	901.5	900.9	900.4	899.7
147.5°	944.6	944.4	944.2	944.1	943.9	943.6	943.4
150°	971.1	971.1	971.0	970.8	970.6	970.4	970.2
152.5°	996.4	996.8	996.8	996.3	995.8	995.2	994.8
155°	1031.4	1032.2	1032.2	1031.4	1030.6	1029.7	1028.9
157.5°	1061.6	1062.2	1062.2	1061.5	1060.8	1060.2	1059.4
160°	1080.4	1081.0	1080.8	1079.8	1078.8	1077.8	1076.7
162.5°	1097.7	1098.9	1098.9	1097.9	1096.9	1095.8	1094.8
165°	1120.2	1121.3	1121.5	1120.7	1119.9	1119.1	1118.3
167.5°	1138.9	1140.1	1140.1	1138.9	1137.6	1136.4	1135.1
170°	1149.1	1150.2	1150.1	1148.8	1147.4	1145.9	1144.5
172.5°	1156.7	1158.2	1158.1	1156.7	1155.3	1153.9	1152.4
175°	1165.0	1166.4	1166.4	1165.0	1163.6	1162.2	1160.8
177.5°	1169.2	1170.4	1170.3	1168.9	1167.7	1166.4	1165.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1

(END OF REPORT)