

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: P332883-930

Luminaire Tested: **S124RDIP-S350D1035U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332883-930
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: S124RDIP-S350D1035U930-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4579.7 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

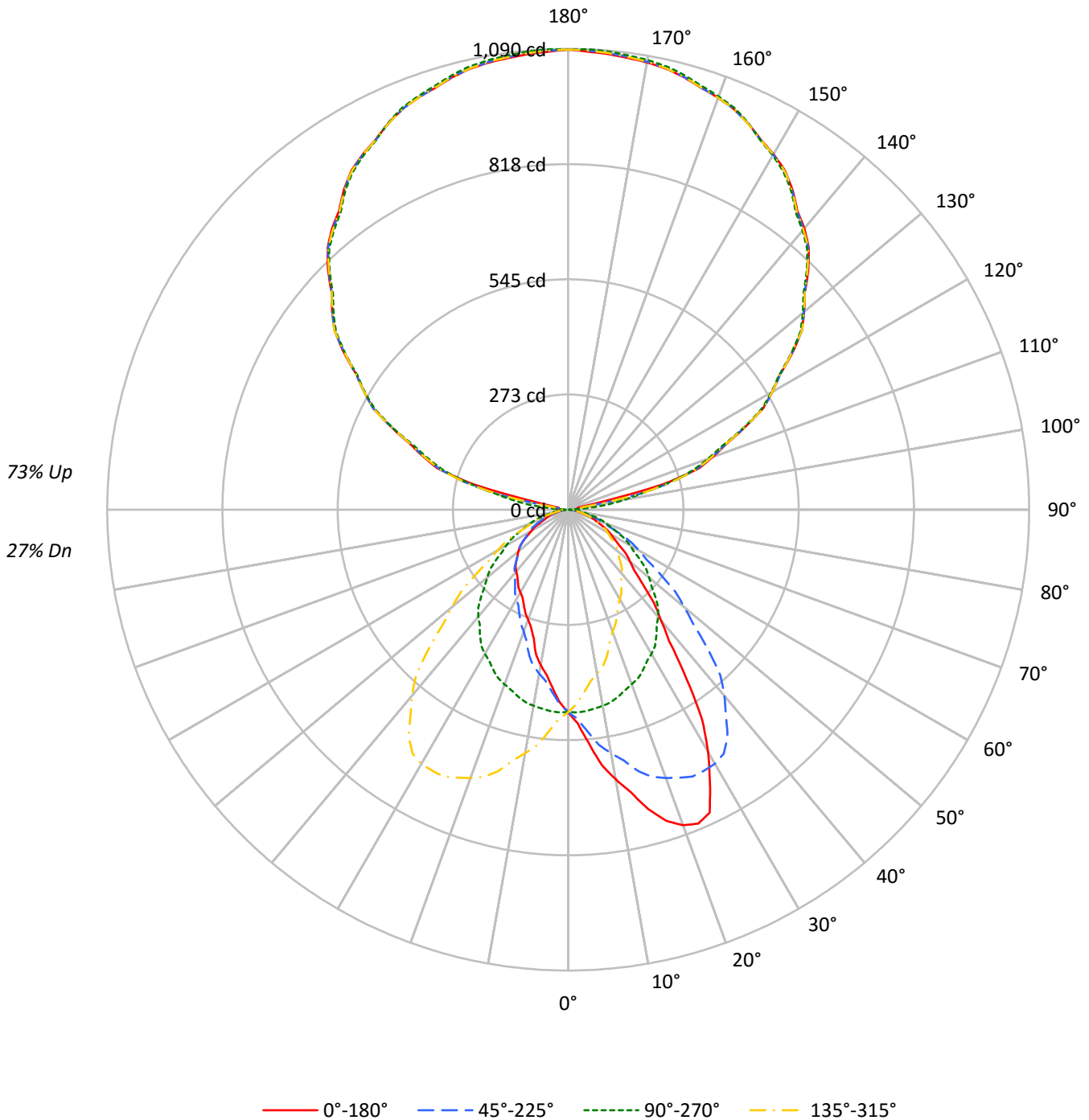
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	44	43	31	30	30	23
2	85	78	72	67	75	70	65	61	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	56	51	48	44	41	36	33	31	24	23	22	17
4	71	61	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19	15
5	65	54	46	41	58	48	42	37	38	34	30	29	26	23	20	18	17	13
6	60	48	41	35	53	43	37	32	34	30	26	26	23	20	18	16	15	11
7	55	43	36	31	49	39	33	28	31	26	23	24	20	18	16	15	13	10
8	51	39	32	27	45	36	29	25	28	24	20	22	18	16	15	13	12	9
9	47	36	29	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8
10	44	33	26	21	39	30	24	20	24	19	16	18	15	13	13	11	10	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3866	3866	3866	3866
5°	4485	3878	3428	3878
10°	5305	3861	3059	3861
15°	6128	3825	2629	3825
20°	6823	3776	2377	3776
25°	7044	3728	2207	3728
30°	6166	3669	2105	3669
35°	4800	3582	2042	3582
40°	3599	3483	2009	3483
45°	2842	3323	1991	3323
50°	2399	3141	1934	3141
55°	2090	2939	1830	2939
60°	1881	2729	1621	2729
65°	1658	2502	1394	2502
70°	1494	2268	1256	2268
75°	1251	2009	1070	2009
80°	1055	1715	1004	1715
85°	889	1343	889	1343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	1.0
10°-20°	140.0	3.1
20°-30°	218.9	4.8
30°-40°	243.4	5.3
40°-50°	215.9	4.7
50°-60°	168.3	3.7
60°-70°	110.2	2.4
70°-80°	54.2	1.2
80°-90°	16.5	0.4
90°-100°	37.2	0.8
100°-110°	237.3	5.2
110°-120°	453.9	9.9
120°-130°	576.3	12.6
130°-140°	616.6	13.5
140°-150°	576.6	12.6
150°-160°	464.9	10.2
160°-170°	299.9	6.5
170°-180°	103.4	2.3
0°-30°	405.3	8.8
0°-40°	648.7	14.2
0°-60°	1032.9	22.6
0°-90°	1213.7	26.5
90°-120°	728.5	15.9
90°-150°	2497.9	54.5
90°-180°	3366.0	73.5
0°-180°	4579.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	479	479	479	479	479	
5°	553	478	423	478	553	56
15°	733	458	314	458	733	208
25°	791	418	248	418	791	351
35°	487	364	207	364	487	305
45°	249	291	174	291	249	197
55°	148	209	130	209	148	135
65°	87	131	73	131	87	87
75°	40	64	34	64	40	44
85°	10	14	10	14	10	12
90°	24	2	24	2	24	11
95°	24	45	24	45	24	19
105°	232	245	232	245	232	202
115°	461	457	461	457	461	456
125°	648	643	648	643	648	577
135°	803	798	803	798	803	618
145°	924	920	924	920	924	578
155°	1008	1008	1008	1008	1008	465
165°	1059	1064	1059	1064	1059	299
175°	1082	1088	1082	1088	1082	103
180°	1088	1088	1088	1088	1088	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	505.2	506.5	505.2	505.0	503.4	503.0	502.4	500.3	496.7	494.5	495.0
5°	553.4	558.2	555.5	555.1	550.9	546.7	544.0	537.8	531.2	526.8	523.1
7.5°	609.2	612.0	610.3	607.6	600.7	596.8	590.5	582.4	570.6	561.7	553.4
10°	647.2	649.5	648.7	643.7	638.7	628.4	622.6	611.3	596.4	584.7	573.6
12.5°	684.5	687.0	680.2	680.4	670.9	662.8	653.7	639.4	622.2	607.1	593.3
15°	733.2	730.1	730.1	726.3	715.7	704.5	695.0	680.0	658.4	640.3	621.1
17.5°	771.4	772.4	770.9	761.7	753.4	741.8	724.5	706.9	686.9	662.5	643.0
20°	794.2	794.2	792.5	786.3	775.5	763.1	744.4	725.3	699.9	675.3	653.4
22.5°	803.5	804.0	802.0	797.0	787.3	775.2	759.2	739.8	713.5	686.0	658.8
25°	790.8	794.4	794.8	793.4	790.5	783.2	769.5	749.7	726.1	696.2	666.8
27.5°	725.9	730.6	734.7	741.4	750.2	754.8	755.5	745.3	724.8	696.0	666.5
30°	661.5	665.3	677.8	694.2	706.9	718.5	728.6	731.3	719.7	693.9	662.8
32.5°	589.8	595.1	607.6	625.3	646.5	666.1	688.6	700.1	699.8	684.3	655.6
35°	487.0	490.9	502.5	521.0	546.4	575.6	611.3	639.0	657.9	656.6	639.0
37.5°	392.8	397.1	408.8	424.2	448.9	484.9	519.5	557.8	592.7	612.4	606.5
40°	341.5	341.7	353.1	368.9	392.1	423.5	461.1	503.6	542.6	574.5	580.6
42.5°	301.1	301.1	308.7	325.7	342.3	371.9	407.9	450.0	495.7	532.5	548.8
45°	248.9	250.6	256.8	267.0	280.1	305.2	334.0	373.2	424.3	467.9	495.1
47.5°	210.8	213.4	217.3	225.6	236.0	252.7	276.5	311.8	353.4	401.3	440.0
50°	191.0	191.4	196.4	201.1	210.1	223.5	244.3	273.6	311.9	357.9	401.0
52.5°	174.1	174.0	177.0	182.9	190.2	200.6	217.4	244.1	278.0	319.4	363.8
55°	148.5	149.5	151.9	156.5	162.1	169.4	182.7	202.8	229.4	264.7	305.1
57.5°	129.2	129.7	131.5	133.5	138.6	144.0	153.9	167.9	190.3	219.2	256.8
60°	116.5	116.8	117.3	120.2	124.3	129.3	136.1	147.8	166.7	193.1	222.9
62.5°	104.2	104.5	105.4	107.5	110.7	114.1	121.2	130.7	146.3	168.9	195.7
65°	86.8	87.0	88.4	89.1	91.6	94.7	100.0	106.3	117.2	136.1	156.3
67.5°	72.6	72.6	72.6	73.7	75.4	77.5	80.6	85.7	93.8	105.4	123.3
70°	63.3	63.3	63.7	64.2	65.2	66.9	68.7	72.6	78.5	88.0	101.7
72.5°	54.6	54.8	55.2	55.3	55.8	57.2	58.5	61.0	65.4	72.6	83.6
75°	40.1	40.7	41.7	42.5	43.5	43.2	44.6	46.1	47.5	51.7	58.0
77.5°	29.8	29.6	29.7	30.3	30.4	30.7	31.6	32.8	33.8	35.8	38.1
80°	22.7	22.7	23.3	23.6	23.3	23.6	24.5	25.1	25.4	26.3	28.4
82.5°	17.2	17.5	17.4	17.5	17.6	17.9	18.7	18.8	19.2	19.5	20.3
85°	9.6	9.9	10.0	9.6	9.6	9.6	10.0	10.2	10.6	10.4	10.8
87.5°	8.3	8.1	8.2	8.1	8.2	7.8	7.7	7.9	7.3	7.3	7.0
90°	24.4	24.1	23.7	23.3	23.0	22.3	21.2	20.1	19.0	17.9	16.5
92.5°	22.5	22.4	22.3	22.3	22.2	21.6	20.5	19.4	18.3	17.3	15.8
95°	23.6	23.4	23.2	23.1	22.9	22.3	21.2	20.1	19.0	17.9	17.7
97.5°	22.8	22.6	22.4	22.3	22.1	21.9	21.9	21.7	21.6	21.5	41.7
100°	22.8	22.6	22.4	22.3	22.1	23.5	26.6	29.7	32.8	35.8	60.7
102.5°	23.5	23.4	23.4	23.3	23.3	39.9	73.1	106.2	139.3	172.5	175.8
105°	232.0	238.5	245.0	251.5	258.0	260.4	258.8	257.2	255.6	254.0	253.1
107.5°	323.3	322.6	321.9	321.2	320.5	319.8	319.0	318.2	317.4	316.6	315.4
110°	363.0	362.5	361.9	361.3	360.9	360.4	360.0	359.6	359.3	358.9	357.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	402.7	402.0	401.4	400.6	400.0	399.7	399.7	399.8	399.9	399.9	399.4
115°	460.6	460.6	460.6	460.6	460.6	460.5	460.2	459.7	459.4	459.0	459.2
117.5°	519.6	519.7	519.8	519.8	519.9	519.9	520.0	520.1	520.2	520.2	519.8
120°	556.7	557.1	557.4	557.7	558.2	558.2	557.7	557.4	557.1	556.7	556.8
122.5°	593.1	593.5	593.9	594.3	594.6	594.7	594.4	594.3	594.0	593.8	593.5
125°	647.8	647.7	647.5	647.3	647.1	646.8	646.2	645.7	645.1	644.6	645.0
127.5°	695.9	696.0	696.2	696.3	696.4	696.6	696.7	696.8	696.9	697.0	696.2
130°	728.5	728.5	728.5	728.5	728.5	728.3	728.1	728.0	727.8	727.7	727.1
132.5°	758.4	758.6	758.6	758.8	759.0	759.0	758.8	758.6	758.4	758.2	757.5
135°	803.3	802.9	802.6	802.3	801.8	801.5	801.1	800.8	800.4	800.1	799.3
137.5°	841.7	841.8	842.0	842.0	842.1	842.0	841.6	841.2	840.8	840.4	839.6
140°	868.5	868.2	868.0	867.9	867.7	867.3	866.8	866.3	865.7	865.2	864.8
142.5°	890.6	890.6	890.5	890.5	890.4	890.2	889.8	889.4	889.0	888.6	888.4
145°	924.5	924.2	923.8	923.5	923.2	922.8	922.7	922.5	922.3	922.1	922.1
147.5°	952.8	952.6	952.4	952.2	952.0	951.9	951.7	951.5	951.5	951.3	951.5
150°	970.9	970.8	970.6	970.5	970.2	970.1	970.1	970.1	970.1	970.1	970.4
152.5°	986.6	986.7	986.8	986.9	987.0	986.9	986.7	986.3	986.1	985.8	986.1
155°	1007.6	1008.1	1008.7	1009.3	1009.7	1009.7	1008.9	1008.2	1007.5	1006.8	1007.3
157.5°	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9	1028.0	1027.0	1026.1	1025.2	1025.8
160°	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2	1040.2	1039.1	1038.0	1036.9	1037.1
162.5°	1046.0	1047.3	1048.5	1049.7	1050.9	1051.0	1049.9	1048.8	1047.7	1046.7	1046.8
165°	1058.8	1060.5	1062.1	1063.7	1065.4	1065.4	1064.0	1062.6	1061.1	1059.6	1059.6
167.5°	1068.4	1070.2	1072.1	1073.9	1075.7	1075.8	1074.2	1072.6	1071.1	1069.4	1069.6
170°	1074.3	1076.1	1078.0	1079.8	1081.6	1081.7	1080.3	1078.9	1077.4	1076.0	1075.8
172.5°	1077.6	1079.5	1081.5	1083.5	1085.4	1085.7	1084.2	1082.8	1081.3	1079.9	1079.7
175°	1081.7	1083.9	1086.0	1088.2	1090.3	1090.6	1089.0	1087.4	1085.7	1084.1	1083.9
177.5°	1084.3	1086.0	1087.8	1089.5	1091.2	1091.5	1090.3	1089.2	1088.0	1086.9	1086.5
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	493.4	491.3	490.2	487.7	484.8	483.2	481.8	479.8	477.2	474.4	472.5
5°	518.4	513.8	508.0	501.1	495.0	488.9	483.7	478.5	472.5	466.4	460.2
7.5°	544.1	535.1	525.2	513.8	502.8	492.7	483.4	474.6	464.6	455.5	447.4
10°	562.1	549.8	536.1	521.5	507.1	494.6	482.2	471.0	458.7	447.7	438.4
12.5°	576.6	562.1	545.6	527.6	510.1	495.0	480.8	466.2	452.2	440.3	427.9
15°	600.6	580.8	558.6	537.0	514.5	493.7	474.7	457.7	441.6	424.9	413.1
17.5°	617.3	593.6	566.6	540.7	514.0	489.7	467.7	447.4	428.9	411.8	397.8
20°	627.1	601.0	571.1	541.6	511.7	485.7	461.9	439.5	420.4	401.9	387.4
22.5°	632.7	603.8	571.1	540.2	509.2	481.0	455.0	431.7	410.9	392.3	376.3
25°	634.5	603.6	570.2	534.7	500.8	470.8	443.8	418.5	395.3	376.8	359.9
27.5°	631.9	595.6	561.4	525.0	489.9	458.4	430.1	403.5	380.3	360.4	343.0
30°	628.3	589.3	552.6	514.8	479.3	449.0	419.1	393.6	369.5	348.9	331.3
32.5°	620.2	581.6	542.1	503.4	467.4	436.2	407.8	382.2	358.6	337.5	318.8
35°	604.3	565.2	522.4	482.6	447.3	414.8	388.2	363.5	341.0	318.4	298.7
37.5°	583.3	543.4	500.8	457.2	421.8	391.3	366.9	343.6	321.6	301.0	279.2
40°	563.6	527.2	483.1	439.9	403.7	374.1	351.6	330.5	308.3	287.9	266.1
42.5°	539.7	508.7	464.1	420.8	385.0	356.5	335.5	315.0	294.7	274.9	252.2
45°	499.8	476.2	434.6	392.9	356.8	328.6	309.3	291.1	273.5	254.5	233.1
47.5°	454.0	438.1	402.1	359.4	326.0	300.7	282.0	267.2	252.2	233.3	214.5
50°	422.2	412.0	377.2	338.3	306.4	283.1	264.0	250.1	237.5	219.4	202.6
52.5°	388.2	382.8	353.4	316.2	285.4	262.5	246.2	233.7	221.0	205.9	190.3
55°	336.5	339.4	314.5	282.3	253.3	234.1	219.2	208.8	198.0	185.2	173.1
57.5°	283.6	294.2	277.5	249.2	222.1	204.2	193.1	184.3	175.2	164.7	154.3
60°	252.0	260.9	251.4	226.5	202.8	186.2	175.8	169.0	160.0	150.3	142.4
62.5°	221.1	230.6	225.0	204.9	182.9	168.6	159.4	153.1	146.3	137.9	129.7
65°	182.4	188.5	185.8	171.9	156.3	144.1	135.7	131.0	124.8	118.7	111.4
67.5°	139.7	151.6	150.0	142.6	129.1	119.6	114.1	110.0	104.4	99.8	94.8
70°	114.8	125.8	125.6	119.6	112.3	103.5	99.5	96.1	91.1	86.7	82.6
72.5°	94.0	104.0	105.6	100.9	96.0	89.2	85.5	83.2	78.3	75.3	71.9
75°	65.8	73.1	75.1	75.1	72.7	69.3	66.0	64.4	61.0	58.3	56.3
77.5°	43.1	47.8	50.8	51.4	51.9	50.6	47.9	46.9	44.2	43.3	41.4
80°	30.5	33.6	37.0	38.2	39.1	38.8	37.7	36.9	34.3	33.3	32.6
82.5°	21.0	22.7	25.6	28.2	27.9	28.9	27.9	27.3	25.4	25.0	24.3
85°	11.0	11.2	11.6	13.3	14.3	14.7	14.8	14.5	13.9	13.9	12.6
87.5°	6.7	6.3	6.3	6.0	5.7	6.0	6.0	5.7	5.7	5.6	5.5
90°	15.0	13.5	12.1	10.4	8.4	6.4	4.4	2.4	4.4	6.4	8.4
92.5°	14.3	12.9	11.5	10.7	10.6	10.4	10.4	10.3	10.4	10.4	10.6
95°	17.5	17.4	17.2	20.1	26.3	32.4	38.6	44.8	38.6	32.4	26.3
97.5°	61.9	82.0	102.2	110.4	106.6	102.7	98.9	95.1	98.9	102.7	106.6
100°	85.8	110.7	135.7	146.5	143.2	140.0	136.7	133.5	136.7	140.0	143.2
102.5°	179.0	182.3	185.6	186.0	183.6	181.2	178.9	176.4	178.9	181.2	183.6
105°	252.1	251.2	250.3	249.3	248.3	247.1	246.1	245.0	246.1	247.1	248.3
107.5°	314.1	312.9	311.7	310.8	310.2	309.7	309.2	308.6	309.2	309.7	310.2
110°	356.8	355.6	354.6	353.8	353.2	352.7	352.1	351.6	352.1	352.7	353.2



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	398.9	398.4	397.9	397.2	396.2	395.3	394.3	393.3	394.3	395.3	396.2
115°	459.4	459.6	459.7	459.6	459.0	458.5	458.0	457.4	458.0	458.5	459.0
117.5°	519.4	519.0	518.6	518.1	517.4	516.7	515.9	515.2	515.9	516.7	517.4
120°	557.1	557.3	557.4	557.2	556.4	555.7	555.0	554.2	555.0	555.7	556.4
122.5°	593.3	593.0	592.8	592.5	592.0	591.6	591.2	590.7	591.2	591.6	592.0
125°	645.3	645.7	646.0	645.9	645.1	644.4	643.7	642.9	643.7	644.4	645.1
127.5°	695.4	694.6	693.7	693.2	693.0	692.8	692.6	692.4	692.6	692.8	693.0
130°	726.5	726.0	725.5	725.0	724.9	724.7	724.6	724.4	724.6	724.7	724.9
132.5°	756.8	756.2	755.5	755.0	754.6	754.3	754.0	753.7	754.0	754.3	754.6
135°	798.6	797.9	797.1	796.9	797.0	797.3	797.4	797.6	797.4	797.3	797.0
137.5°	838.9	838.0	837.2	836.8	836.7	836.7	836.6	836.5	836.6	836.7	836.7
140°	864.5	864.1	863.7	863.3	863.0	862.7	862.3	861.9	862.3	862.7	863.0
142.5°	888.2	887.9	887.7	887.3	886.6	886.0	885.3	884.7	885.3	886.0	886.6
145°	922.1	922.1	922.1	921.9	921.3	920.8	920.2	919.7	920.2	920.8	921.3
147.5°	951.6	951.8	952.0	951.6	950.6	949.6	948.5	947.5	948.5	949.6	950.6
150°	970.5	970.7	970.9	970.6	969.9	969.1	968.4	967.7	968.4	969.1	969.9
152.5°	986.4	986.8	987.1	986.9	986.3	985.8	985.2	984.6	985.2	985.8	986.3
155°	1007.9	1008.4	1008.9	1009.1	1008.9	1008.8	1008.6	1008.4	1008.6	1008.8	1008.9
157.5°	1026.4	1027.0	1027.6	1028.0	1028.1	1028.2	1028.3	1028.4	1028.3	1028.2	1028.1
160°	1037.2	1037.5	1037.6	1038.0	1038.5	1039.1	1039.6	1040.2	1039.6	1039.1	1038.5
162.5°	1047.0	1047.2	1047.4	1047.8	1048.5	1049.2	1049.9	1050.6	1049.9	1049.2	1048.5
165°	1059.6	1059.6	1059.6	1060.1	1061.0	1061.9	1062.8	1063.7	1062.8	1061.9	1061.0
167.5°	1069.7	1069.8	1069.9	1070.4	1071.4	1072.3	1073.3	1074.2	1073.3	1072.3	1071.4
170°	1075.6	1075.4	1075.2	1075.7	1076.8	1077.8	1079.0	1080.0	1079.0	1077.8	1076.8
172.5°	1079.5	1079.3	1079.1	1079.6	1080.7	1081.7	1082.9	1083.9	1082.9	1081.7	1080.7
175°	1083.8	1083.5	1083.4	1083.9	1084.9	1086.0	1087.1	1088.2	1087.1	1086.0	1084.9
177.5°	1086.3	1086.0	1085.7	1086.1	1087.1	1088.1	1089.1	1090.1	1089.1	1088.1	1087.1
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	470.3	468.7	466.8	464.4	461.6	459.2	458.0	459.0	459.5	458.2	458.0
5°	455.9	451.1	447.3	441.5	436.8	433.0	430.3	429.1	429.5	426.4	425.7
7.5°	439.9	434.1	427.8	420.9	414.6	408.9	405.9	404.3	401.0	399.6	397.2
10°	429.5	421.8	415.6	407.5	400.1	393.5	390.1	387.4	384.2	382.6	379.4
12.5°	418.9	409.9	403.1	394.7	387.2	379.1	375.9	371.0	365.8	362.6	358.3
15°	403.8	393.1	384.7	374.7	365.8	356.6	348.3	339.0	335.6	328.2	324.0
17.5°	386.3	375.4	365.1	351.6	337.9	326.4	317.6	308.7	303.4	298.7	296.5
20°	374.7	364.7	350.4	334.8	319.5	306.8	299.6	293.8	288.0	284.8	282.5
22.5°	363.8	350.9	334.4	317.5	302.2	292.3	286.3	280.3	275.6	272.5	269.4
25°	345.4	328.6	311.0	291.7	281.4	272.6	266.1	261.2	258.4	254.3	252.7
27.5°	326.5	306.1	286.8	273.9	263.0	255.0	249.3	245.7	242.1	239.5	237.4
30°	312.0	291.4	274.0	261.6	250.6	244.1	239.5	235.2	232.3	230.2	228.7
32.5°	297.7	277.0	262.4	249.2	240.4	234.1	229.1	225.9	223.6	220.9	220.0
35°	276.9	258.5	245.8	233.8	225.0	219.2	215.3	212.1	210.1	209.4	208.8
37.5°	256.9	241.9	228.2	218.4	210.5	205.9	201.4	199.7	198.4	197.1	197.7
40°	244.3	230.2	218.0	207.7	201.2	196.2	193.6	191.6	190.5	190.5	190.5
42.5°	233.3	219.6	207.7	198.4	192.0	187.8	184.7	183.1	182.7	182.5	183.5
45°	216.3	203.6	191.6	183.8	178.5	174.2	172.5	171.1	171.1	171.9	172.1
47.5°	199.4	187.5	177.9	169.3	164.3	161.7	160.1	159.5	159.6	160.3	161.2
50°	189.1	177.3	167.9	160.1	155.6	153.0	151.6	151.2	151.6	151.6	153.0
52.5°	177.8	167.3	158.0	151.5	146.3	143.9	143.2	142.6	142.8	143.5	144.1
55°	161.3	151.9	143.0	136.8	133.0	131.4	129.6	129.9	129.5	129.9	129.9
57.5°	144.7	136.2	128.0	123.1	119.7	117.5	115.6	116.1	115.5	115.4	115.1
60°	134.1	124.8	118.3	113.8	110.0	108.0	106.3	106.7	106.2	105.7	104.9
62.5°	122.5	114.8	108.5	104.3	101.2	99.0	97.2	96.9	95.5	94.2	92.5
65°	105.7	99.4	93.8	89.8	86.8	85.1	83.7	82.6	79.7	76.6	75.1
67.5°	89.4	84.8	79.6	76.1	73.8	71.6	69.0	67.0	64.3	62.6	61.6
70°	78.9	74.5	70.0	66.8	64.2	62.1	59.3	57.9	55.9	55.2	54.2
72.5°	68.9	64.7	60.7	57.6	55.0	53.3	51.0	49.7	48.8	48.5	47.6
75°	53.6	50.4	47.3	44.6	42.5	41.3	40.4	39.4	39.0	37.3	36.3
77.5°	39.1	36.9	35.1	33.1	31.6	30.8	28.9	27.9	27.2	26.4	26.2
80°	30.5	28.9	27.0	25.8	23.7	23.0	22.2	22.0	21.8	21.6	21.4
82.5°	22.9	21.4	19.5	18.8	18.2	17.7	17.3	17.0	16.9	17.0	17.0
85°	11.6	10.8	10.8	10.6	10.4	10.2	10.0	10.0	9.9	10.0	9.9
87.5°	6.0	6.1	6.4	6.4	6.8	7.1	7.2	7.4	7.7	7.7	7.8
90°	10.4	12.1	13.5	15.0	16.5	17.9	19.0	20.1	21.2	22.3	23.0
92.5°	10.7	11.5	12.9	14.3	15.8	17.3	18.3	19.4	20.5	21.6	22.2
95°	20.1	17.2	17.4	17.5	17.7	17.9	19.0	20.1	21.2	22.3	22.9
97.5°	110.4	102.2	82.0	61.9	41.7	21.5	21.6	21.7	21.9	21.9	22.1
100°	146.5	135.7	110.7	85.8	60.7	35.8	32.8	29.7	26.6	23.5	22.1
102.5°	186.0	185.6	182.3	179.0	175.8	172.5	139.3	106.2	73.1	39.9	23.3
105°	249.3	250.3	251.2	252.1	253.1	254.0	255.6	257.2	258.8	260.4	258.0
107.5°	310.8	311.7	312.9	314.1	315.4	316.6	317.4	318.2	319.0	319.8	320.5
110°	353.8	354.6	355.6	356.8	357.8	358.9	359.3	359.6	360.0	360.4	360.9



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	397.2	397.9	398.4	398.9	399.4	399.9	399.9	399.8	399.7	399.7	400.0
115°	459.6	459.7	459.6	459.4	459.2	459.0	459.4	459.7	460.2	460.5	460.6
117.5°	518.1	518.6	519.0	519.4	519.8	520.2	520.2	520.1	520.0	519.9	519.9
120°	557.2	557.4	557.3	557.1	556.8	556.7	557.1	557.4	557.7	558.2	558.2
122.5°	592.5	592.8	593.0	593.3	593.5	593.8	594.0	594.3	594.4	594.7	594.6
125°	645.9	646.0	645.7	645.3	645.0	644.6	645.1	645.7	646.2	646.8	647.1
127.5°	693.2	693.7	694.6	695.4	696.2	697.0	696.9	696.8	696.7	696.6	696.4
130°	725.0	725.5	726.0	726.5	727.1	727.7	727.8	728.0	728.1	728.3	728.5
132.5°	755.0	755.5	756.2	756.8	757.5	758.2	758.4	758.6	758.8	759.0	759.0
135°	796.9	797.1	797.9	798.6	799.3	800.1	800.4	800.8	801.1	801.5	801.8
137.5°	836.8	837.2	838.0	838.9	839.6	840.4	840.8	841.2	841.6	842.0	842.1
140°	863.3	863.7	864.1	864.5	864.8	865.2	865.7	866.3	866.8	867.3	867.7
142.5°	887.3	887.7	887.9	888.2	888.4	888.6	889.0	889.4	889.8	890.2	890.4
145°	921.9	922.1	922.1	922.1	922.1	922.1	922.3	922.5	922.7	922.8	923.2
147.5°	951.6	952.0	951.8	951.6	951.5	951.3	951.5	951.5	951.7	951.9	952.0
150°	970.6	970.9	970.7	970.5	970.4	970.1	970.1	970.1	970.1	970.1	970.2
152.5°	986.9	987.1	986.8	986.4	986.1	985.8	986.1	986.3	986.7	986.9	987.0
155°	1009.1	1008.9	1008.4	1007.9	1007.3	1006.8	1007.5	1008.2	1008.9	1009.7	1009.7
157.5°	1028.0	1027.6	1027.0	1026.4	1025.8	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9
160°	1038.0	1037.6	1037.5	1037.2	1037.1	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2
162.5°	1047.8	1047.4	1047.2	1047.0	1046.8	1046.7	1047.7	1048.8	1049.9	1051.0	1050.9
165°	1060.1	1059.6	1059.6	1059.6	1059.6	1059.6	1061.1	1062.6	1064.0	1065.4	1065.4
167.5°	1070.4	1069.9	1069.8	1069.7	1069.6	1069.4	1071.1	1072.6	1074.2	1075.8	1075.7
170°	1075.7	1075.2	1075.4	1075.6	1075.8	1076.0	1077.4	1078.9	1080.3	1081.7	1081.6
172.5°	1079.6	1079.1	1079.3	1079.5	1079.7	1079.9	1081.3	1082.8	1084.2	1085.7	1085.4
175°	1083.9	1083.4	1083.5	1083.8	1083.9	1084.1	1085.7	1087.4	1089.0	1090.6	1090.3
177.5°	1086.1	1085.7	1086.0	1086.3	1086.5	1086.9	1088.0	1089.2	1090.3	1091.5	1091.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	457.1	457.5	456.4	456.1	456.4	457.5	457.1	458.0	458.2	459.5	459.0
5°	424.1	423.7	422.7	423.0	422.7	423.7	424.1	425.7	426.4	429.5	429.1
7.5°	395.8	394.4	394.8	393.2	394.8	394.4	395.8	397.2	399.6	401.0	404.3
10°	378.5	376.4	374.7	373.2	374.7	376.4	378.5	379.4	382.6	384.2	387.4
12.5°	355.0	353.1	350.8	351.2	350.8	353.1	355.0	358.3	362.6	365.8	371.0
15°	321.5	318.5	314.0	314.5	314.0	318.5	321.5	324.0	328.2	335.6	339.0
17.5°	293.1	293.1	291.0	291.6	291.0	293.1	293.1	296.5	298.7	303.4	308.7
20°	278.4	277.1	277.3	276.7	277.3	277.1	278.4	282.5	284.8	288.0	293.8
22.5°	268.2	266.6	265.2	264.1	265.2	266.6	268.2	269.4	272.5	275.6	280.3
25°	251.0	249.9	248.2	247.8	248.2	249.9	251.0	252.7	254.3	258.4	261.2
27.5°	235.9	235.7	235.0	234.1	235.0	235.7	235.9	237.4	239.5	242.1	245.7
30°	227.1	226.7	226.3	225.8	226.3	226.7	227.1	228.7	230.2	232.3	235.2
32.5°	219.2	219.0	218.6	218.7	218.6	219.0	219.2	220.0	220.9	223.6	225.9
35°	208.0	207.8	207.4	207.2	207.4	207.8	208.0	208.8	209.4	210.1	212.1
37.5°	197.5	198.0	197.8	197.7	197.8	198.0	197.5	197.7	197.1	198.4	199.7
40°	190.3	190.5	190.9	190.6	190.9	190.5	190.3	190.5	190.5	190.5	191.6
42.5°	184.3	184.3	184.8	184.2	184.8	184.3	184.3	183.5	182.5	182.7	183.1
45°	173.5	174.6	174.4	174.4	174.4	174.6	173.5	172.1	171.9	171.1	171.1
47.5°	161.7	162.7	163.0	162.9	163.0	162.7	161.7	161.2	160.3	159.6	159.5
50°	154.0	153.6	154.2	154.0	154.2	153.6	154.0	153.0	151.6	151.6	151.2
52.5°	144.6	144.6	144.6	144.4	144.6	144.6	144.6	144.1	143.5	142.8	142.6
55°	130.0	130.3	129.9	130.0	129.9	130.3	130.0	129.9	129.9	129.5	129.9
57.5°	114.3	113.4	113.7	113.3	113.7	113.4	114.3	115.1	115.4	115.5	116.1
60°	103.1	101.5	101.1	100.4	101.1	101.5	103.1	104.9	105.7	106.2	106.7
62.5°	90.4	89.3	88.0	88.6	88.0	89.3	90.4	92.5	94.2	95.5	96.9
65°	73.5	72.7	72.2	73.0	72.2	72.7	73.5	75.1	76.6	79.7	82.6
67.5°	60.8	60.4	60.4	60.1	60.4	60.4	60.8	61.6	62.6	64.3	67.0
70°	54.2	53.6	53.6	53.2	53.6	53.6	54.2	54.2	55.2	55.9	57.9
72.5°	47.5	46.9	47.0	46.8	47.0	46.9	47.5	47.6	48.5	48.8	49.7
75°	35.1	34.2	34.2	34.3	34.2	34.2	35.1	36.3	37.3	39.0	39.4
77.5°	26.2	26.0	26.3	25.9	26.3	26.0	26.2	26.2	26.4	27.2	27.9
80°	21.4	21.2	21.0	21.6	21.0	21.2	21.4	21.4	21.6	21.8	22.0
82.5°	16.6	16.6	16.6	17.3	16.6	16.6	16.6	17.0	17.0	16.9	17.0
85°	10.0	9.6	10.0	9.6	10.0	9.6	10.0	9.9	10.0	9.9	10.0
87.5°	8.2	8.2	8.1	8.3	8.1	8.2	8.2	7.8	7.7	7.7	7.4
90°	23.3	23.7	24.1	24.4	24.1	23.7	23.3	23.0	22.3	21.2	20.1
92.5°	22.3	22.3	22.4	22.5	22.4	22.3	22.3	22.2	21.6	20.5	19.4
95°	23.1	23.2	23.4	23.6	23.4	23.2	23.1	22.9	22.3	21.2	20.1
97.5°	22.3	22.4	22.6	22.8	22.6	22.4	22.3	22.1	21.9	21.9	21.7
100°	22.3	22.4	22.6	22.8	22.6	22.4	22.3	22.1	23.5	26.6	29.7
102.5°	23.3	23.4	23.4	23.5	23.4	23.4	23.3	23.3	39.9	73.1	106.2
105°	251.5	245.0	238.5	232.0	238.5	245.0	251.5	258.0	260.4	258.8	257.2
107.5°	321.2	321.9	322.6	323.3	322.6	321.9	321.2	320.5	319.8	319.0	318.2
110°	361.3	361.9	362.5	363.0	362.5	361.9	361.3	360.9	360.4	360.0	359.6



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	400.6	401.4	402.0	402.7	402.0	401.4	400.6	400.0	399.7	399.7	399.8
115°	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.5	460.2	459.7
117.5°	519.8	519.8	519.7	519.6	519.7	519.8	519.8	519.9	519.9	520.0	520.1
120°	557.7	557.4	557.1	556.7	557.1	557.4	557.7	558.2	558.2	557.7	557.4
122.5°	594.3	593.9	593.5	593.1	593.5	593.9	594.3	594.6	594.7	594.4	594.3
125°	647.3	647.5	647.7	647.8	647.7	647.5	647.3	647.1	646.8	646.2	645.7
127.5°	696.3	696.2	696.0	695.9	696.0	696.2	696.3	696.4	696.6	696.7	696.8
130°	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.3	728.1	728.0
132.5°	758.8	758.6	758.6	758.4	758.6	758.6	758.8	759.0	759.0	758.8	758.6
135°	802.3	802.6	802.9	803.3	802.9	802.6	802.3	801.8	801.5	801.1	800.8
137.5°	842.0	842.0	841.8	841.7	841.8	842.0	842.0	842.1	842.0	841.6	841.2
140°	867.9	868.0	868.2	868.5	868.2	868.0	867.9	867.7	867.3	866.8	866.3
142.5°	890.5	890.5	890.6	890.6	890.6	890.5	890.5	890.4	890.2	889.8	889.4
145°	923.5	923.8	924.2	924.5	924.2	923.8	923.5	923.2	922.8	922.7	922.5
147.5°	952.2	952.4	952.6	952.8	952.6	952.4	952.2	952.0	951.9	951.7	951.5
150°	970.5	970.6	970.8	970.9	970.8	970.6	970.5	970.2	970.1	970.1	970.1
152.5°	986.9	986.8	986.7	986.6	986.7	986.8	986.9	987.0	986.9	986.7	986.3
155°	1009.3	1008.7	1008.1	1007.6	1008.1	1008.7	1009.3	1009.7	1009.7	1008.9	1008.2
157.5°	1028.0	1027.0	1026.1	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9	1028.0	1027.0
160°	1040.2	1039.1	1038.0	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2	1040.2	1039.1
162.5°	1049.7	1048.5	1047.3	1046.0	1047.3	1048.5	1049.7	1050.9	1051.0	1049.9	1048.8
165°	1063.7	1062.1	1060.5	1058.8	1060.5	1062.1	1063.7	1065.4	1065.4	1064.0	1062.6
167.5°	1073.9	1072.1	1070.2	1068.4	1070.2	1072.1	1073.9	1075.7	1075.8	1074.2	1072.6
170°	1079.8	1078.0	1076.1	1074.3	1076.1	1078.0	1079.8	1081.6	1081.7	1080.3	1078.9
172.5°	1083.5	1081.5	1079.5	1077.6	1079.5	1081.5	1083.5	1085.4	1085.7	1084.2	1082.8
175°	1088.2	1086.0	1083.9	1081.7	1083.9	1086.0	1088.2	1090.3	1090.6	1089.0	1087.4
177.5°	1089.5	1087.8	1086.0	1084.3	1086.0	1087.8	1089.5	1091.2	1091.5	1090.3	1089.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	458.0	459.2	461.6	464.4	466.8	468.7	470.3	472.5	474.4	477.2	479.8
5°	430.3	433.0	436.8	441.5	447.3	451.1	455.9	460.2	466.4	472.5	478.5
7.5°	405.9	408.9	414.6	420.9	427.8	434.1	439.9	447.4	455.5	464.6	474.6
10°	390.1	393.5	400.1	407.5	415.6	421.8	429.5	438.4	447.7	458.7	471.0
12.5°	375.9	379.1	387.2	394.7	403.1	409.9	418.9	427.9	440.3	452.2	466.2
15°	348.3	356.6	365.8	374.7	384.7	393.1	403.8	413.1	424.9	441.6	457.7
17.5°	317.6	326.4	337.9	351.6	365.1	375.4	386.3	397.8	411.8	428.9	447.4
20°	299.6	306.8	319.5	334.8	350.4	364.7	374.7	387.4	401.9	420.4	439.5
22.5°	286.3	292.3	302.2	317.5	334.4	350.9	363.8	376.3	392.3	410.9	431.7
25°	266.1	272.6	281.4	291.7	311.0	328.6	345.4	359.9	376.8	395.3	418.5
27.5°	249.3	255.0	263.0	273.9	286.8	306.1	326.5	343.0	360.4	380.3	403.5
30°	239.5	244.1	250.6	261.6	274.0	291.4	312.0	331.3	348.9	369.5	393.6
32.5°	229.1	234.1	240.4	249.2	262.4	277.0	297.7	318.8	337.5	358.6	382.2
35°	215.3	219.2	225.0	233.8	245.8	258.5	276.9	298.7	318.4	341.0	363.5
37.5°	201.4	205.9	210.5	218.4	228.2	241.9	256.9	279.2	301.0	321.6	343.6
40°	193.6	196.2	201.2	207.7	218.0	230.2	244.3	266.1	287.9	308.3	330.5
42.5°	184.7	187.8	192.0	198.4	207.7	219.6	233.3	252.2	274.9	294.7	315.0
45°	172.5	174.2	178.5	183.8	191.6	203.6	216.3	233.1	254.5	273.5	291.1
47.5°	160.1	161.7	164.3	169.3	177.9	187.5	199.4	214.5	233.3	252.2	267.2
50°	151.6	153.0	155.6	160.1	167.9	177.3	189.1	202.6	219.4	237.5	250.1
52.5°	143.2	143.9	146.3	151.5	158.0	167.3	177.8	190.3	205.9	221.0	233.7
55°	129.6	131.4	133.0	136.8	143.0	151.9	161.3	173.1	185.2	198.0	208.8
57.5°	115.6	117.5	119.7	123.1	128.0	136.2	144.7	154.3	164.7	175.2	184.3
60°	106.3	108.0	110.0	113.8	118.3	124.8	134.1	142.4	150.3	160.0	169.0
62.5°	97.2	99.0	101.2	104.3	108.5	114.8	122.5	129.7	137.9	146.3	153.1
65°	83.7	85.1	86.8	89.8	93.8	99.4	105.7	111.4	118.7	124.8	131.0
67.5°	69.0	71.6	73.8	76.1	79.6	84.8	89.4	94.8	99.8	104.4	110.0
70°	59.3	62.1	64.2	66.8	70.0	74.5	78.9	82.6	86.7	91.1	96.1
72.5°	51.0	53.3	55.0	57.6	60.7	64.7	68.9	71.9	75.3	78.3	83.2
75°	40.4	41.3	42.5	44.6	47.3	50.4	53.6	56.3	58.3	61.0	64.4
77.5°	28.9	30.8	31.6	33.1	35.1	36.9	39.1	41.4	43.3	44.2	46.9
80°	22.2	23.0	23.7	25.8	27.0	28.9	30.5	32.6	33.3	34.3	36.9
82.5°	17.3	17.7	18.2	18.8	19.5	21.4	22.9	24.3	25.0	25.4	27.3
85°	10.0	10.2	10.4	10.6	10.8	10.8	11.6	12.6	13.9	13.9	14.5
87.5°	7.2	7.1	6.8	6.4	6.4	6.1	6.0	5.5	5.6	5.7	5.7
90°	19.0	17.9	16.5	15.0	13.5	12.1	10.4	8.4	6.4	4.4	2.4
92.5°	18.3	17.3	15.8	14.3	12.9	11.5	10.7	10.6	10.4	10.4	10.3
95°	19.0	17.9	17.7	17.5	17.4	17.2	20.1	26.3	32.4	38.6	44.8
97.5°	21.6	21.5	41.7	61.9	82.0	102.2	110.4	106.6	102.7	98.9	95.1
100°	32.8	35.8	60.7	85.8	110.7	135.7	146.5	143.2	140.0	136.7	133.5
102.5°	139.3	172.5	175.8	179.0	182.3	185.6	186.0	183.6	181.2	178.9	176.4
105°	255.6	254.0	253.1	252.1	251.2	250.3	249.3	248.3	247.1	246.1	245.0
107.5°	317.4	316.6	315.4	314.1	312.9	311.7	310.8	310.2	309.7	309.2	308.6
110°	359.3	358.9	357.8	356.8	355.6	354.6	353.8	353.2	352.7	352.1	351.6



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	399.9	399.9	399.4	398.9	398.4	397.9	397.2	396.2	395.3	394.3	393.3
115°	459.4	459.0	459.2	459.4	459.6	459.7	459.6	459.0	458.5	458.0	457.4
117.5°	520.2	520.2	519.8	519.4	519.0	518.6	518.1	517.4	516.7	515.9	515.2
120°	557.1	556.7	556.8	557.1	557.3	557.4	557.2	556.4	555.7	555.0	554.2
122.5°	594.0	593.8	593.5	593.3	593.0	592.8	592.5	592.0	591.6	591.2	590.7
125°	645.1	644.6	645.0	645.3	645.7	646.0	645.9	645.1	644.4	643.7	642.9
127.5°	696.9	697.0	696.2	695.4	694.6	693.7	693.2	693.0	692.8	692.6	692.4
130°	727.8	727.7	727.1	726.5	726.0	725.5	725.0	724.9	724.7	724.6	724.4
132.5°	758.4	758.2	757.5	756.8	756.2	755.5	755.0	754.6	754.3	754.0	753.7
135°	800.4	800.1	799.3	798.6	797.9	797.1	796.9	797.0	797.3	797.4	797.6
137.5°	840.8	840.4	839.6	838.9	838.0	837.2	836.8	836.7	836.7	836.6	836.5
140°	865.7	865.2	864.8	864.5	864.1	863.7	863.3	863.0	862.7	862.3	861.9
142.5°	889.0	888.6	888.4	888.2	887.9	887.7	887.3	886.6	886.0	885.3	884.7
145°	922.3	922.1	922.1	922.1	922.1	922.1	921.9	921.3	920.8	920.2	919.7
147.5°	951.5	951.3	951.5	951.6	951.8	952.0	951.6	950.6	949.6	948.5	947.5
150°	970.1	970.1	970.4	970.5	970.7	970.9	970.6	969.9	969.1	968.4	967.7
152.5°	986.1	985.8	986.1	986.4	986.8	987.1	986.9	986.3	985.8	985.2	984.6
155°	1007.5	1006.8	1007.3	1007.9	1008.4	1008.9	1009.1	1008.9	1008.8	1008.6	1008.4
157.5°	1026.1	1025.2	1025.8	1026.4	1027.0	1027.6	1028.0	1028.1	1028.2	1028.3	1028.4
160°	1038.0	1036.9	1037.1	1037.2	1037.5	1037.6	1038.0	1038.5	1039.1	1039.6	1040.2
162.5°	1047.7	1046.7	1046.8	1047.0	1047.2	1047.4	1047.8	1048.5	1049.2	1049.9	1050.6
165°	1061.1	1059.6	1059.6	1059.6	1059.6	1059.6	1060.1	1061.0	1061.9	1062.8	1063.7
167.5°	1071.1	1069.4	1069.6	1069.7	1069.8	1069.9	1070.4	1071.4	1072.3	1073.3	1074.2
170°	1077.4	1076.0	1075.8	1075.6	1075.4	1075.2	1075.7	1076.8	1077.8	1079.0	1080.0
172.5°	1081.3	1079.9	1079.7	1079.5	1079.3	1079.1	1079.6	1080.7	1081.7	1082.9	1083.9
175°	1085.7	1084.1	1083.9	1083.8	1083.5	1083.4	1083.9	1084.9	1086.0	1087.1	1088.2
177.5°	1088.0	1086.9	1086.5	1086.3	1086.0	1085.7	1086.1	1087.1	1088.1	1089.1	1090.1
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	481.8	483.2	484.8	487.7	490.2	491.3	493.4	495.0	494.5	496.7	500.3
5°	483.7	488.9	495.0	501.1	508.0	513.8	518.4	523.1	526.8	531.2	537.8
7.5°	483.4	492.7	502.8	513.8	525.2	535.1	544.1	553.4	561.7	570.6	582.4
10°	482.2	494.6	507.1	521.5	536.1	549.8	562.1	573.6	584.7	596.4	611.3
12.5°	480.8	495.0	510.1	527.6	545.6	562.1	576.6	593.3	607.1	622.2	639.4
15°	474.7	493.7	514.5	537.0	558.6	580.8	600.6	621.1	640.3	658.4	680.0
17.5°	467.7	489.7	514.0	540.7	566.6	593.6	617.3	643.0	662.5	686.9	706.9
20°	461.9	485.7	511.7	541.6	571.1	601.0	627.1	653.4	675.3	699.9	725.3
22.5°	455.0	481.0	509.2	540.2	571.1	603.8	632.7	658.8	686.0	713.5	739.8
25°	443.8	470.8	500.8	534.7	570.2	603.6	634.5	666.8	696.2	726.1	749.7
27.5°	430.1	458.4	489.9	525.0	561.4	595.6	631.9	666.5	696.0	724.8	745.3
30°	419.1	449.0	479.3	514.8	552.6	589.3	628.3	662.8	693.9	719.7	731.3
32.5°	407.8	436.2	467.4	503.4	542.1	581.6	620.2	655.6	684.3	699.8	700.1
35°	388.2	414.8	447.3	482.6	522.4	565.2	604.3	639.0	656.6	657.9	639.0
37.5°	366.9	391.3	421.8	457.2	500.8	543.4	583.3	606.5	612.4	592.7	557.8
40°	351.6	374.1	403.7	439.9	483.1	527.2	563.6	580.6	574.5	542.6	503.6
42.5°	335.5	356.5	385.0	420.8	464.1	508.7	539.7	548.8	532.5	495.7	450.0
45°	309.3	328.6	356.8	392.9	434.6	476.2	499.8	495.1	467.9	424.3	373.2
47.5°	282.0	300.7	326.0	359.4	402.1	438.1	454.0	440.0	401.3	353.4	311.8
50°	264.0	283.1	306.4	338.3	377.2	412.0	422.2	401.0	357.9	311.9	273.6
52.5°	246.2	262.5	285.4	316.2	353.4	382.8	388.2	363.8	319.4	278.0	244.1
55°	219.2	234.1	253.3	282.3	314.5	339.4	336.5	305.1	264.7	229.4	202.8
57.5°	193.1	204.2	222.1	249.2	277.5	294.2	283.6	256.8	219.2	190.3	167.9
60°	175.8	186.2	202.8	226.5	251.4	260.9	252.0	222.9	193.1	166.7	147.8
62.5°	159.4	168.6	182.9	204.9	225.0	230.6	221.1	195.7	168.9	146.3	130.7
65°	135.7	144.1	156.3	171.9	185.8	188.5	182.4	156.3	136.1	117.2	106.3
67.5°	114.1	119.6	129.1	142.6	150.0	151.6	139.7	123.3	105.4	93.8	85.7
70°	99.5	103.5	112.3	119.6	125.6	125.8	114.8	101.7	88.0	78.5	72.6
72.5°	85.5	89.2	96.0	100.9	105.6	104.0	94.0	83.6	72.6	65.4	61.0
75°	66.0	69.3	72.7	75.1	75.1	73.1	65.8	58.0	51.7	47.5	46.1
77.5°	47.9	50.6	51.9	51.4	50.8	47.8	43.1	38.1	35.8	33.8	32.8
80°	37.7	38.8	39.1	38.2	37.0	33.6	30.5	28.4	26.3	25.4	25.1
82.5°	27.9	28.9	27.9	28.2	25.6	22.7	21.0	20.3	19.5	19.2	18.8
85°	14.8	14.7	14.3	13.3	11.6	11.2	11.0	10.8	10.4	10.6	10.2
87.5°	6.0	6.0	5.7	6.0	6.3	6.3	6.7	7.0	7.3	7.3	7.9
90°	4.4	6.4	8.4	10.4	12.1	13.5	15.0	16.5	17.9	19.0	20.1
92.5°	10.4	10.4	10.6	10.7	11.5	12.9	14.3	15.8	17.3	18.3	19.4
95°	38.6	32.4	26.3	20.1	17.2	17.4	17.5	17.7	17.9	19.0	20.1
97.5°	98.9	102.7	106.6	110.4	102.2	82.0	61.9	41.7	21.5	21.6	21.7
100°	136.7	140.0	143.2	146.5	135.7	110.7	85.8	60.7	35.8	32.8	29.7
102.5°	178.9	181.2	183.6	186.0	185.6	182.3	179.0	175.8	172.5	139.3	106.2
105°	246.1	247.1	248.3	249.3	250.3	251.2	252.1	253.1	254.0	255.6	257.2
107.5°	309.2	309.7	310.2	310.8	311.7	312.9	314.1	315.4	316.6	317.4	318.2
110°	352.1	352.7	353.2	353.8	354.6	355.6	356.8	357.8	358.9	359.3	359.6



TEST NUMBER: P332883-930

CATALOG NUMBER: S124RDIP-S350D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	394.3	395.3	396.2	397.2	397.9	398.4	398.9	399.4	399.9	399.9	399.8
115°	458.0	458.5	459.0	459.6	459.7	459.6	459.4	459.2	459.0	459.4	459.7
117.5°	515.9	516.7	517.4	518.1	518.6	519.0	519.4	519.8	520.2	520.2	520.1
120°	555.0	555.7	556.4	557.2	557.4	557.3	557.1	556.8	556.7	557.1	557.4
122.5°	591.2	591.6	592.0	592.5	592.8	593.0	593.3	593.5	593.8	594.0	594.3
125°	643.7	644.4	645.1	645.9	646.0	645.7	645.3	645.0	644.6	645.1	645.7
127.5°	692.6	692.8	693.0	693.2	693.7	694.6	695.4	696.2	697.0	696.9	696.8
130°	724.6	724.7	724.9	725.0	725.5	726.0	726.5	727.1	727.7	727.8	728.0
132.5°	754.0	754.3	754.6	755.0	755.5	756.2	756.8	757.5	758.2	758.4	758.6
135°	797.4	797.3	797.0	796.9	797.1	797.9	798.6	799.3	800.1	800.4	800.8
137.5°	836.6	836.7	836.7	836.8	837.2	838.0	838.9	839.6	840.4	840.8	841.2
140°	862.3	862.7	863.0	863.3	863.7	864.1	864.5	864.8	865.2	865.7	866.3
142.5°	885.3	886.0	886.6	887.3	887.7	887.9	888.2	888.4	888.6	889.0	889.4
145°	920.2	920.8	921.3	921.9	922.1	922.1	922.1	922.1	922.1	922.3	922.5
147.5°	948.5	949.6	950.6	951.6	952.0	951.8	951.6	951.5	951.3	951.5	951.5
150°	968.4	969.1	969.9	970.6	970.9	970.7	970.5	970.4	970.1	970.1	970.1
152.5°	985.2	985.8	986.3	986.9	987.1	986.8	986.4	986.1	985.8	986.1	986.3
155°	1008.6	1008.8	1008.9	1009.1	1008.9	1008.4	1007.9	1007.3	1006.8	1007.5	1008.2
157.5°	1028.3	1028.2	1028.1	1028.0	1027.6	1027.0	1026.4	1025.8	1025.2	1026.1	1027.0
160°	1039.6	1039.1	1038.5	1038.0	1037.6	1037.5	1037.2	1037.1	1036.9	1038.0	1039.1
162.5°	1049.9	1049.2	1048.5	1047.8	1047.4	1047.2	1047.0	1046.8	1046.7	1047.7	1048.8
165°	1062.8	1061.9	1061.0	1060.1	1059.6	1059.6	1059.6	1059.6	1059.6	1061.1	1062.6
167.5°	1073.3	1072.3	1071.4	1070.4	1069.9	1069.8	1069.7	1069.6	1069.4	1071.1	1072.6
170°	1079.0	1077.8	1076.8	1075.7	1075.2	1075.4	1075.6	1075.8	1076.0	1077.4	1078.9
172.5°	1082.9	1081.7	1080.7	1079.6	1079.1	1079.3	1079.5	1079.7	1079.9	1081.3	1082.8
175°	1087.1	1086.0	1084.9	1083.9	1083.4	1083.5	1083.8	1083.9	1084.1	1085.7	1087.4
177.5°	1089.1	1088.1	1087.1	1086.1	1085.7	1086.0	1086.3	1086.5	1086.9	1088.0	1089.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	502.4	503.0	503.4	505.0	505.2	506.5	505.2
5°	544.0	546.7	550.9	555.1	555.5	558.2	553.4
7.5°	590.5	596.8	600.7	607.6	610.3	612.0	609.2
10°	622.6	628.4	638.7	643.7	648.7	649.5	647.2
12.5°	653.7	662.8	670.9	680.4	680.2	687.0	684.5
15°	695.0	704.5	715.7	726.3	730.1	730.1	733.2
17.5°	724.5	741.8	753.4	761.7	770.9	772.4	771.4
20°	744.4	763.1	775.5	786.3	792.5	794.2	794.2
22.5°	759.2	775.2	787.3	797.0	802.0	804.0	803.5
25°	769.5	783.2	790.5	793.4	794.8	794.4	790.8
27.5°	755.5	754.8	750.2	741.4	734.7	730.6	725.9
30°	728.6	718.5	706.9	694.2	677.8	665.3	661.5
32.5°	688.6	666.1	646.5	625.3	607.6	595.1	589.8
35°	611.3	575.6	546.4	521.0	502.5	490.9	487.0
37.5°	519.5	484.9	448.9	424.2	408.8	397.1	392.8
40°	461.1	423.5	392.1	368.9	353.1	341.7	341.5
42.5°	407.9	371.9	342.3	325.7	308.7	301.1	301.1
45°	334.0	305.2	280.1	267.0	256.8	250.6	248.9
47.5°	276.5	252.7	236.0	225.6	217.3	213.4	210.8
50°	244.3	223.5	210.1	201.1	196.4	191.4	191.0
52.5°	217.4	200.6	190.2	182.9	177.0	174.0	174.1
55°	182.7	169.4	162.1	156.5	151.9	149.5	148.5
57.5°	153.9	144.0	138.6	133.5	131.5	129.7	129.2
60°	136.1	129.3	124.3	120.2	117.3	116.8	116.5
62.5°	121.2	114.1	110.7	107.5	105.4	104.5	104.2
65°	100.0	94.7	91.6	89.1	88.4	87.0	86.8
67.5°	80.6	77.5	75.4	73.7	72.6	72.6	72.6
70°	68.7	66.9	65.2	64.2	63.7	63.3	63.3
72.5°	58.5	57.2	55.8	55.3	55.2	54.8	54.6
75°	44.6	43.2	43.5	42.5	41.7	40.7	40.1
77.5°	31.6	30.7	30.4	30.3	29.7	29.6	29.8
80°	24.5	23.6	23.3	23.6	23.3	22.7	22.7
82.5°	18.7	17.9	17.6	17.5	17.4	17.5	17.2
85°	10.0	9.6	9.6	9.6	10.0	9.9	9.6
87.5°	7.7	7.8	8.2	8.1	8.2	8.1	8.3
90°	21.2	22.3	23.0	23.3	23.7	24.1	24.4
92.5°	20.5	21.6	22.2	22.3	22.3	22.4	22.5
95°	21.2	22.3	22.9	23.1	23.2	23.4	23.6
97.5°	21.9	21.9	22.1	22.3	22.4	22.6	22.8
100°	26.6	23.5	22.1	22.3	22.4	22.6	22.8
102.5°	73.1	39.9	23.3	23.3	23.4	23.4	23.5
105°	258.8	260.4	258.0	251.5	245.0	238.5	232.0
107.5°	319.0	319.8	320.5	321.2	321.9	322.6	323.3
110°	360.0	360.4	360.9	361.3	361.9	362.5	363.0



TEST NUMBER: P332883-930

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	399.7	399.7	400.0	400.6	401.4	402.0	402.7
115°	460.2	460.5	460.6	460.6	460.6	460.6	460.6
117.5°	520.0	519.9	519.9	519.8	519.8	519.7	519.6
120°	557.7	558.2	558.2	557.7	557.4	557.1	556.7
122.5°	594.4	594.7	594.6	594.3	593.9	593.5	593.1
125°	646.2	646.8	647.1	647.3	647.5	647.7	647.8
127.5°	696.7	696.6	696.4	696.3	696.2	696.0	695.9
130°	728.1	728.3	728.5	728.5	728.5	728.5	728.5
132.5°	758.8	759.0	759.0	758.8	758.6	758.6	758.4
135°	801.1	801.5	801.8	802.3	802.6	802.9	803.3
137.5°	841.6	842.0	842.1	842.0	842.0	841.8	841.7
140°	866.8	867.3	867.7	867.9	868.0	868.2	868.5
142.5°	889.8	890.2	890.4	890.5	890.5	890.6	890.6
145°	922.7	922.8	923.2	923.5	923.8	924.2	924.5
147.5°	951.7	951.9	952.0	952.2	952.4	952.6	952.8
150°	970.1	970.1	970.2	970.5	970.6	970.8	970.9
152.5°	986.7	986.9	987.0	986.9	986.8	986.7	986.6
155°	1008.9	1009.7	1009.7	1009.3	1008.7	1008.1	1007.6
157.5°	1028.0	1028.9	1028.9	1028.0	1027.0	1026.1	1025.2
160°	1040.2	1041.2	1041.2	1040.2	1039.1	1038.0	1036.9
162.5°	1049.9	1051.0	1050.9	1049.7	1048.5	1047.3	1046.0
165°	1064.0	1065.4	1065.4	1063.7	1062.1	1060.5	1058.8
167.5°	1074.2	1075.8	1075.7	1073.9	1072.1	1070.2	1068.4
170°	1080.3	1081.7	1081.6	1079.8	1078.0	1076.1	1074.3
172.5°	1084.2	1085.7	1085.4	1083.5	1081.5	1079.5	1077.6
175°	1089.0	1090.6	1090.3	1088.2	1086.0	1083.9	1081.7
177.5°	1090.3	1091.5	1091.2	1089.5	1087.8	1086.0	1084.3
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2

(END OF REPORT)