

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: P332884-927

Luminaire Tested: **S124RDIP-S350D1035U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332884-927
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: S124RDIP-S350D1035U927-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4015.8 lumens
Efficiency: N/A
Efficacy: 107.7 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

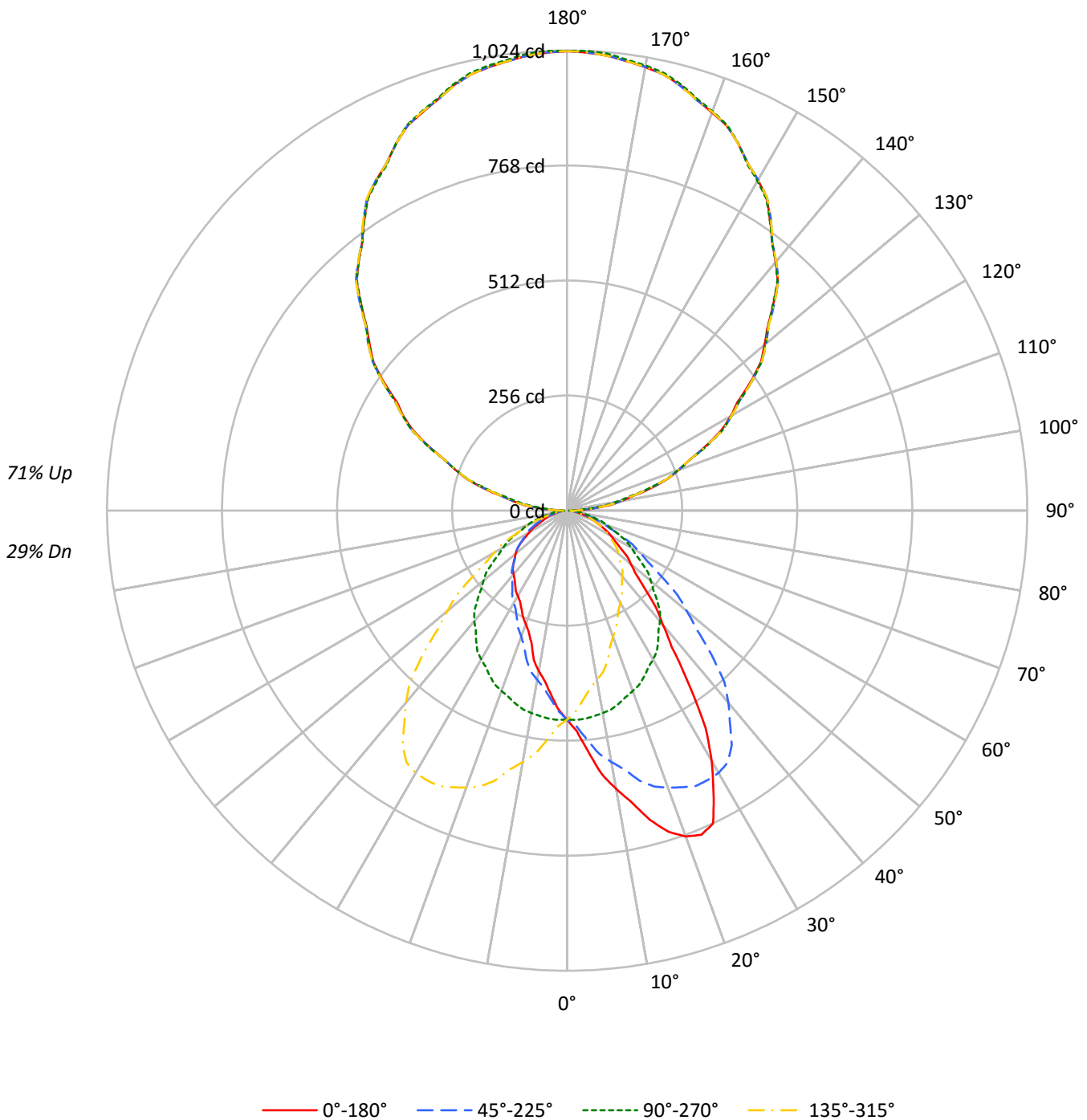
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	33	32	25
2	85	78	72	68	76	70	66	61	56	52	49	42	40	38	30	28	27	22
3	78	69	62	57	70	62	56	52	49	45	42	37	35	32	26	25	23	19
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	24	22	20	16
5	65	54	47	41	58	49	43	38	39	34	31	30	27	24	21	19	18	14
6	60	49	41	35	54	44	37	33	35	30	27	27	24	21	19	17	16	13
7	56	44	36	31	50	40	33	29	32	27	24	25	21	19	18	16	14	11
8	51	40	32	27	46	36	30	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	27	22	27	22	19	21	17	15	15	13	11	9
10	45	33	26	22	40	30	24	20	24	20	17	19	16	14	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3756	3756	3756	3756
5°	4357	3767	3331	3767
10°	5155	3751	2972	3751
15°	5954	3717	2554	3717
20°	6630	3669	2310	3669
25°	6844	3622	2144	3622
30°	5991	3566	2045	3566
35°	4664	3481	1985	3481
40°	3497	3385	1952	3385
45°	2762	3230	1934	3230
50°	2331	3052	1879	3052
55°	2031	2856	1779	2856
60°	1828	2651	1574	2651
65°	1612	2432	1354	2432
70°	1452	2205	1220	2205
75°	1216	1953	1042	1953
80°	1027	1664	976	1664
85°	861	1306	861	1306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	1.1
10°-20°	136.0	3.4
20°-30°	212.7	5.3
30°-40°	236.5	5.9
40°-50°	209.8	5.2
50°-60°	163.5	4.1
60°-70°	107.0	2.7
70°-80°	52.6	1.3
80°-90°	16.0	0.4
90°-100°	67.4	1.7
100°-110°	199.8	5.0
110°-120°	339.1	8.4
120°-130°	447.1	11.1
130°-140°	502.1	12.5
140°-150°	493.4	12.3
150°-160°	415.0	10.3
160°-170°	276.1	6.9
170°-180°	96.7	2.4
0°-30°	393.8	9.8
0°-40°	630.3	15.7
0°-60°	1003.6	25.0
0°-90°	1179.3	29.4
90°-120°	606.3	15.1
90°-150°	2048.8	51.0
90°-180°	2837.0	70.6
0°-180°	4015.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	465	465	465	465	465	
5°	538	465	411	465	538	54
15°	712	445	306	445	712	203
25°	768	407	241	407	768	341
35°	473	353	201	353	473	297
45°	242	283	169	283	242	192
55°	144	203	126	203	144	131
65°	84	127	71	127	84	85
75°	39	63	33	63	39	43
85°	9	14	9	14	9	11
90°	24	2	24	2	24	12
95°	62	48	62	48	62	65
105°	193	184	193	184	193	203
115°	342	345	342	345	342	338
125°	498	502	498	502	498	444
135°	648	648	648	648	648	501
145°	788	787	788	787	788	493
155°	901	901	901	901	901	415
165°	979	981	979	981	979	276
175°	1016	1021	1016	1021	1016	96
180°	1022	1022	1022	1022	1022	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	490.8	492.2	490.8	490.7	489.2	488.7	488.1	486.2	482.6	480.5	480.9
5°	537.7	542.4	539.8	539.4	535.3	531.2	528.5	522.5	516.1	511.8	508.3
7.5°	591.9	594.6	592.9	590.3	583.7	579.9	573.8	565.9	554.4	545.7	537.7
10°	628.8	631.1	630.3	625.4	620.6	610.6	605.0	594.0	579.5	568.1	557.4
12.5°	665.1	667.5	660.9	661.2	651.9	644.0	635.2	621.2	604.6	589.9	576.5
15°	712.4	709.4	709.4	705.7	695.4	684.5	675.3	660.7	639.7	622.1	603.5
17.5°	749.5	750.5	749.0	740.1	732.1	720.8	703.9	686.9	667.4	643.7	624.8
20°	771.7	771.7	770.0	764.0	753.5	741.5	723.3	704.7	680.0	656.2	634.9
22.5°	780.7	781.3	779.3	774.4	764.9	753.2	737.7	718.8	693.3	666.5	640.1
25°	768.3	771.9	772.2	771.0	768.1	761.0	747.7	728.4	705.5	676.4	647.9
27.5°	705.4	709.9	713.8	720.3	729.0	733.4	734.0	724.2	704.3	676.3	647.6
30°	642.7	646.4	658.6	674.5	686.9	698.2	708.0	710.6	699.3	674.2	644.0
32.5°	573.1	578.2	590.4	607.5	628.1	647.2	669.1	680.2	679.9	664.9	637.0
35°	473.2	477.0	488.2	506.2	530.9	559.3	594.0	620.9	639.3	638.0	620.9
37.5°	381.7	385.9	397.2	412.2	436.2	471.2	504.8	542.0	575.9	595.0	589.3
40°	331.8	332.0	343.1	358.5	381.0	411.5	448.1	489.3	527.2	558.2	564.1
42.5°	292.6	292.6	299.9	316.5	332.6	361.4	396.3	437.3	481.6	517.4	533.2
45°	241.9	243.5	249.5	259.4	272.2	296.6	324.6	362.6	412.3	454.6	481.1
47.5°	204.8	207.3	211.1	219.2	229.3	245.6	268.7	302.9	343.3	389.9	427.5
50°	185.6	186.0	190.8	195.4	204.1	217.1	237.3	265.9	303.0	347.8	389.6
52.5°	169.1	169.1	172.0	177.7	184.8	194.9	211.3	237.2	270.1	310.3	353.5
55°	144.3	145.3	147.6	152.0	157.5	164.6	177.5	197.0	222.9	257.2	296.4
57.5°	125.6	126.0	127.8	129.7	134.7	139.9	149.6	163.1	184.9	213.0	249.5
60°	113.2	113.4	114.0	116.8	120.7	125.6	132.2	143.6	162.0	187.7	216.6
62.5°	101.2	101.6	102.4	104.5	107.6	110.9	117.8	127.0	142.2	164.1	190.1
65°	84.4	84.5	85.9	86.6	89.0	92.1	97.1	103.3	113.8	132.2	151.9
67.5°	70.5	70.5	70.6	71.6	73.3	75.3	78.3	83.3	91.2	102.4	119.8
70°	61.5	61.5	61.9	62.4	63.4	65.0	66.8	70.5	76.3	85.5	98.8
72.5°	53.1	53.2	53.6	53.7	54.2	55.6	56.9	59.3	63.5	70.5	81.3
75°	39.0	39.5	40.5	41.3	42.2	42.0	43.3	44.8	46.1	50.2	56.4
77.5°	29.0	28.8	28.8	29.5	29.5	29.8	30.7	31.8	32.9	34.8	37.0
80°	22.1	22.1	22.7	22.9	22.7	22.9	23.8	24.4	24.7	25.5	27.6
82.5°	16.7	17.0	16.9	17.0	17.1	17.3	18.1	18.2	18.6	18.9	19.7
85°	9.3	9.6	9.7	9.3	9.3	9.3	9.7	9.9	10.3	10.1	10.5
87.5°	8.1	7.8	7.9	7.8	7.9	7.6	7.5	7.7	7.1	7.1	6.8
90°	23.7	23.4	23.1	22.7	22.3	21.6	20.6	19.5	18.5	17.4	16.0
92.5°	35.1	34.9	34.7	34.5	34.3	33.8	33.2	32.6	31.9	31.3	30.3
95°	62.5	62.5	62.5	62.5	62.5	62.2	61.7	61.2	60.6	60.1	58.9
97.5°	97.9	97.9	97.9	97.9	97.9	97.6	97.0	96.3	95.7	95.1	93.6
100°	122.6	122.6	122.6	122.6	122.6	122.4	122.0	121.7	121.4	121.0	119.4
102.5°	150.4	150.3	150.1	150.0	149.8	149.5	149.0	148.5	148.1	147.6	146.1
105°	192.9	192.4	191.9	191.3	190.8	190.3	189.8	189.3	188.7	188.2	187.5
107.5°	234.3	234.4	234.4	234.5	234.5	234.2	233.8	233.3	232.8	232.3	232.2
110°	264.1	263.6	263.0	262.5	262.0	261.9	262.2	262.6	262.9	263.3	263.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	294.5	294.4	294.2	294.1	294.1	294.1	294.1	294.1	294.2	294.3	294.6
115°	341.6	341.7	341.9	342.1	342.3	342.5	342.6	342.8	343.0	343.2	343.5
117.5°	386.5	386.8	387.2	387.5	387.9	388.4	389.0	389.6	390.1	390.8	391.0
120°	420.6	420.3	419.9	419.6	419.2	419.5	420.4	421.3	422.2	423.0	423.6
122.5°	449.1	449.7	450.4	451.0	451.6	452.3	452.9	453.4	454.1	454.6	454.9
125°	498.1	498.5	498.8	499.2	499.6	499.9	500.3	500.6	501.0	501.3	501.5
127.5°	543.5	543.8	544.1	544.4	544.6	544.9	545.3	545.7	546.1	546.4	546.7
130°	573.2	573.9	574.6	575.4	576.1	576.6	576.9	577.3	577.7	578.0	578.0
132.5°	604.9	605.1	605.5	605.7	606.0	606.3	606.7	607.0	607.4	607.8	607.8
135°	648.4	648.9	649.4	650.0	650.5	650.9	651.3	651.6	652.0	652.4	652.4
137.5°	694.1	694.0	693.9	693.8	693.6	693.9	694.3	694.7	695.2	695.7	695.4
140°	721.9	722.1	722.2	722.5	722.6	722.8	722.9	723.2	723.3	723.5	723.5
142.5°	749.7	749.8	749.8	749.9	749.9	750.0	750.0	750.0	750.0	750.0	750.2
145°	787.5	788.1	788.6	789.1	789.6	790.0	790.2	790.4	790.5	790.7	790.5
147.5°	825.9	826.0	826.2	826.3	826.5	826.6	826.8	827.0	827.1	827.3	827.4
150°	849.2	849.4	849.5	849.8	849.9	850.0	850.0	850.0	850.0	850.0	850.0
152.5°	870.7	871.2	871.6	872.1	872.6	872.6	872.1	871.7	871.3	870.8	870.8
155°	900.6	901.3	902.1	902.7	903.4	903.4	902.7	902.1	901.3	900.6	900.8
157.5°	927.3	928.0	928.5	929.2	929.7	929.8	929.2	928.7	928.2	927.6	927.7
160°	942.5	943.4	944.3	945.2	946.0	946.2	945.7	945.2	944.6	944.1	944.3
162.5°	958.3	959.3	960.1	961.0	961.9	961.8	960.8	959.9	958.9	958.0	958.2
165°	978.9	979.6	980.3	981.0	981.7	981.5	980.5	979.5	978.3	977.3	977.6
167.5°	993.6	994.7	995.8	996.9	998.0	998.0	997.0	995.9	994.8	993.8	993.7
170°	1001.8	1003.1	1004.2	1005.5	1006.7	1006.9	1005.8	1004.7	1003.7	1002.6	1002.4
172.5°	1008.8	1010.0	1011.2	1012.5	1013.7	1013.8	1012.5	1011.3	1010.1	1008.9	1008.9
175°	1016.1	1017.3	1018.5	1019.8	1021.0	1021.0	1019.8	1018.5	1017.3	1016.1	1016.2
177.5°	1019.9	1021.0	1022.1	1023.3	1024.4	1024.5	1023.4	1022.5	1021.4	1020.5	1020.5
180°	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	479.4	477.4	476.3	473.9	471.0	469.5	468.2	466.2	463.7	461.0	459.1
5°	503.7	499.2	493.6	486.9	480.9	475.1	470.0	464.9	459.1	453.1	447.2
7.5°	528.7	519.9	510.3	499.2	488.5	478.7	469.7	461.1	451.4	442.6	434.7
10°	546.1	534.2	520.9	506.8	492.7	480.5	468.5	457.6	445.7	435.0	426.0
12.5°	560.2	546.1	530.1	512.6	495.7	480.9	467.1	453.0	439.3	427.8	415.7
15°	583.6	564.4	542.8	521.7	499.9	479.7	461.2	444.7	429.1	412.8	401.4
17.5°	599.8	576.8	550.6	525.4	499.5	475.8	454.4	434.7	416.8	400.1	386.5
20°	609.3	584.0	554.9	526.2	497.2	471.9	448.9	427.1	408.5	390.5	376.4
22.5°	614.7	586.7	554.9	524.9	494.8	467.4	442.1	419.5	399.3	381.2	365.7
25°	616.5	586.5	554.1	519.5	486.6	457.5	431.2	406.6	384.1	366.1	349.7
27.5°	614.0	578.7	545.5	510.1	476.0	445.4	417.9	392.1	369.6	350.2	333.3
30°	610.5	572.6	536.9	500.2	465.7	436.3	407.2	382.5	359.0	339.0	321.9
32.5°	602.6	565.1	526.7	489.1	454.2	423.8	396.2	371.4	348.4	327.9	309.7
35°	587.2	549.1	507.6	468.9	434.6	403.1	377.2	353.2	331.3	309.3	290.3
37.5°	566.8	528.0	486.6	444.3	409.9	380.2	356.5	333.9	312.5	292.5	271.3
40°	547.6	512.2	469.4	427.5	392.2	363.5	341.6	321.2	299.6	279.7	258.6
42.5°	524.4	494.2	451.0	408.8	374.1	346.4	326.0	306.0	286.4	267.1	245.0
45°	485.6	462.7	422.2	381.8	346.7	319.2	300.6	282.9	265.7	247.3	226.5
47.5°	441.1	425.6	390.7	349.2	316.8	292.2	274.0	259.6	245.0	226.6	208.4
50°	410.2	400.3	366.5	328.7	297.7	275.0	256.5	243.0	230.8	213.2	196.9
52.5°	377.2	371.9	343.4	307.2	277.3	255.1	239.2	227.1	214.8	200.1	184.9
55°	326.9	329.8	305.6	274.3	246.1	227.4	213.0	202.9	192.3	180.0	168.2
57.5°	275.6	285.9	269.7	242.2	215.8	198.4	187.6	179.1	170.2	160.0	149.9
60°	244.9	253.5	244.3	220.1	197.0	180.9	170.8	164.2	155.4	146.1	138.4
62.5°	214.8	224.1	218.6	199.1	177.7	163.8	154.9	148.8	142.2	134.0	126.0
65°	177.2	183.2	180.5	167.1	151.9	140.1	131.8	127.3	121.3	115.3	108.2
67.5°	135.7	147.3	145.8	138.6	125.5	116.2	110.8	106.9	101.4	97.0	92.1
70°	111.5	122.2	122.1	116.2	109.1	100.5	96.7	93.4	88.5	84.2	80.2
72.5°	91.3	101.1	102.6	98.1	93.2	86.7	83.1	80.8	76.0	73.1	69.9
75°	63.9	71.1	73.0	73.0	70.7	67.3	64.1	62.6	59.3	56.6	54.7
77.5°	41.9	46.4	49.4	50.0	50.4	49.2	46.6	45.6	42.9	42.1	40.2
80°	29.6	32.6	36.0	37.2	38.0	37.7	36.6	35.8	33.4	32.4	31.7
82.5°	20.4	22.1	24.9	27.4	27.1	28.1	27.1	26.5	24.6	24.3	23.6
85°	10.7	10.9	11.2	12.9	13.9	14.3	14.4	14.1	13.5	13.5	12.2
87.5°	6.5	6.1	6.1	5.8	5.5	5.8	5.8	5.5	5.5	5.5	5.4
90°	14.6	13.2	11.8	10.1	8.2	6.3	4.3	2.4	4.3	6.3	8.2
92.5°	29.3	28.4	27.4	25.7	23.5	21.3	19.2	17.0	19.2	21.3	23.5
95°	57.7	56.4	55.1	53.8	52.2	50.6	49.0	47.5	49.0	50.6	52.2
97.5°	92.1	90.7	89.3	87.9	86.7	85.4	84.1	82.9	84.1	85.4	86.7
100°	117.8	116.2	114.6	113.5	112.8	112.1	111.4	110.7	111.4	112.1	112.8
102.5°	144.7	143.2	141.8	140.9	140.6	140.4	140.1	139.8	140.1	140.4	140.6
105°	186.8	186.1	185.4	185.0	184.7	184.6	184.4	184.3	184.4	184.6	184.7
107.5°	232.1	232.0	231.9	231.7	231.6	231.3	231.1	230.9	231.1	231.3	231.6
110°	263.6	263.8	264.0	264.0	263.6	263.2	262.8	262.5	262.8	263.2	263.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	294.9	295.2	295.6	295.7	295.6	295.6	295.5	295.4	295.5	295.6	295.6
115°	343.9	344.2	344.6	344.8	344.8	344.8	344.8	344.8	344.8	344.8	344.8
117.5°	391.3	391.5	391.7	391.8	391.7	391.5	391.4	391.3	391.4	391.5	391.7
120°	424.1	424.6	425.2	425.1	424.4	423.7	422.9	422.2	422.9	423.7	424.4
122.5°	455.1	455.4	455.7	455.6	455.3	455.0	454.8	454.5	454.8	455.0	455.3
125°	501.7	501.8	502.0	502.1	502.1	502.1	502.1	502.1	502.1	502.1	502.1
127.5°	546.9	547.2	547.5	547.4	546.8	546.3	545.8	545.3	545.8	546.3	546.8
130°	578.0	578.0	578.0	577.7	577.2	576.7	576.2	575.6	576.2	576.7	577.2
132.5°	608.0	608.2	608.3	608.2	607.8	607.4	607.0	606.7	607.0	607.4	607.8
135°	652.4	652.4	652.4	651.8	650.8	649.7	648.6	647.6	648.6	649.7	650.8
137.5°	695.1	694.8	694.5	694.2	693.6	693.2	692.7	692.2	692.7	693.2	693.6
140°	723.5	723.5	723.5	723.3	722.9	722.6	722.2	721.9	722.2	722.6	722.9
142.5°	750.4	750.5	750.6	750.5	750.2	749.8	749.5	749.1	749.5	749.8	750.2
145°	790.4	790.2	790.0	789.6	788.9	788.1	787.4	786.7	787.4	788.1	788.9
147.5°	827.5	827.7	827.8	827.4	826.6	825.8	824.9	824.1	824.9	825.8	826.6
150°	850.0	850.0	850.0	849.7	849.0	848.3	847.6	846.8	847.6	848.3	849.0
152.5°	870.6	870.4	870.3	870.1	869.7	869.2	868.8	868.4	868.8	869.2	869.7
155°	900.9	901.1	901.3	901.4	901.4	901.4	901.4	901.4	901.4	901.4	901.4
157.5°	927.7	927.7	927.8	928.0	928.3	928.6	928.9	929.2	928.9	928.6	928.3
160°	944.4	944.6	944.8	945.0	945.2	945.3	945.5	945.7	945.5	945.3	945.2
162.5°	958.4	958.5	958.7	959.0	959.5	960.0	960.4	960.8	960.4	960.0	959.5
165°	978.0	978.3	978.7	979.1	979.7	980.2	980.7	981.3	980.7	980.2	979.7
167.5°	993.7	993.6	993.6	994.0	994.7	995.5	996.2	997.0	996.2	995.5	994.7
170°	1002.3	1002.1	1001.9	1002.3	1003.1	1004.0	1004.9	1005.8	1004.9	1004.0	1003.1
172.5°	1008.8	1008.8	1008.8	1009.2	1009.9	1010.7	1011.4	1012.1	1011.4	1010.7	1009.9
175°	1016.4	1016.6	1016.8	1017.3	1018.2	1019.1	1019.9	1020.8	1019.9	1019.1	1018.2
177.5°	1020.5	1020.5	1020.5	1020.8	1021.5	1022.2	1022.9	1023.7	1022.9	1022.2	1021.5
180°	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4



TEST NUMBER: P332884-927

CATALOG NUMBER: S124RDIP-S350D1035U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	456.9	455.4	453.5	451.2	448.5	446.2	445.0	446.0	446.5	445.2	445.0
5°	443.0	438.3	434.6	429.0	424.5	420.7	418.1	416.9	417.3	414.3	413.6
7.5°	427.4	421.8	415.7	409.0	402.8	397.3	394.4	392.8	389.6	388.2	386.0
10°	417.3	409.9	403.9	395.9	388.8	382.3	379.1	376.4	373.3	371.8	368.6
12.5°	407.0	398.3	391.7	383.5	376.2	368.4	365.3	360.4	355.5	352.3	348.2
15°	392.4	381.9	373.8	364.1	355.5	346.5	338.4	329.4	326.1	318.9	314.8
17.5°	375.3	364.7	354.7	341.7	328.4	317.1	308.6	299.9	294.8	290.3	288.1
20°	364.1	354.3	340.5	325.3	310.5	298.1	291.1	285.5	279.9	276.7	274.5
22.5°	353.5	341.0	324.9	308.5	293.7	284.0	278.1	272.4	267.8	264.7	261.7
25°	335.6	319.2	302.2	283.4	273.4	264.9	258.6	253.8	251.0	247.1	245.6
27.5°	317.3	297.5	278.7	266.1	255.6	247.8	242.2	238.8	235.2	232.7	230.7
30°	303.2	283.1	266.3	254.2	243.5	237.2	232.7	228.5	225.7	223.6	222.2
32.5°	289.2	269.2	255.0	242.1	233.6	227.4	222.6	219.5	217.3	214.7	213.7
35°	269.0	251.2	238.8	227.2	218.6	213.0	209.2	206.0	204.1	203.4	202.9
37.5°	249.6	235.0	221.7	212.2	204.5	200.1	195.7	194.1	192.8	191.5	192.1
40°	237.3	223.6	211.8	201.8	195.5	190.7	188.1	186.2	185.1	185.1	185.1
42.5°	226.7	213.3	201.8	192.7	186.6	182.4	179.5	177.9	177.5	177.4	178.3
45°	210.2	197.8	186.2	178.6	173.4	169.3	167.6	166.3	166.3	167.1	167.2
47.5°	193.8	182.2	172.9	164.5	159.6	157.1	155.6	155.0	155.0	155.7	156.6
50°	183.7	172.3	163.1	155.6	151.1	148.7	147.3	146.9	147.3	147.3	148.7
52.5°	172.8	162.6	153.5	147.2	142.1	139.8	139.1	138.6	138.8	139.4	140.0
55°	156.8	147.6	138.9	132.9	129.2	127.7	126.0	126.2	125.8	126.2	126.2
57.5°	140.6	132.4	124.4	119.6	116.3	114.2	112.3	112.8	112.3	112.2	111.9
60°	130.3	121.3	114.9	110.6	106.9	105.0	103.3	103.7	103.1	102.7	102.0
62.5°	119.1	111.5	105.4	101.3	98.3	96.2	94.4	94.1	92.8	91.5	89.8
65°	102.7	96.6	91.1	87.2	84.4	82.7	81.4	80.2	77.4	74.5	73.0
67.5°	86.9	82.4	77.3	74.0	71.7	69.6	67.0	65.1	62.5	60.8	59.9
70°	76.7	72.4	68.0	64.9	62.4	60.4	57.6	56.2	54.3	53.6	52.7
72.5°	66.9	62.9	58.9	56.0	53.5	51.8	49.6	48.3	47.5	47.1	46.3
75°	52.1	49.0	45.9	43.3	41.3	40.1	39.2	38.3	37.9	36.2	35.3
77.5°	38.0	35.9	34.1	32.2	30.7	29.9	28.1	27.1	26.5	25.7	25.4
80°	29.6	28.1	26.2	25.1	23.1	22.3	21.5	21.4	21.2	21.0	20.8
82.5°	22.3	20.8	18.9	18.2	17.7	17.2	16.8	16.6	16.4	16.5	16.5
85°	11.2	10.5	10.5	10.3	10.1	9.9	9.7	9.7	9.6	9.7	9.6
87.5°	5.8	5.9	6.3	6.2	6.7	6.9	7.0	7.2	7.5	7.4	7.6
90°	10.1	11.8	13.2	14.6	16.0	17.4	18.5	19.5	20.6	21.6	22.3
92.5°	25.7	27.4	28.4	29.3	30.3	31.3	31.9	32.6	33.2	33.8	34.3
95°	53.8	55.1	56.4	57.7	58.9	60.1	60.6	61.2	61.7	62.2	62.5
97.5°	87.9	89.3	90.7	92.1	93.6	95.1	95.7	96.3	97.0	97.6	97.9
100°	113.5	114.6	116.2	117.8	119.4	121.0	121.4	121.7	122.0	122.4	122.6
102.5°	140.9	141.8	143.2	144.7	146.1	147.6	148.1	148.5	149.0	149.5	149.8
105°	185.0	185.4	186.1	186.8	187.5	188.2	188.7	189.3	189.8	190.3	190.8
107.5°	231.7	231.9	232.0	232.1	232.2	232.3	232.8	233.3	233.8	234.2	234.5
110°	264.0	264.0	263.8	263.6	263.5	263.3	262.9	262.6	262.2	261.9	262.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	295.7	295.6	295.2	294.9	294.6	294.3	294.2	294.1	294.1	294.1	294.1
115°	344.8	344.6	344.2	343.9	343.5	343.2	343.0	342.8	342.6	342.5	342.3
117.5°	391.8	391.7	391.5	391.3	391.0	390.8	390.1	389.6	389.0	388.4	387.9
120°	425.1	425.2	424.6	424.1	423.6	423.0	422.2	421.3	420.4	419.5	419.2
122.5°	455.6	455.7	455.4	455.1	454.9	454.6	454.1	453.4	452.9	452.3	451.6
125°	502.1	502.0	501.8	501.7	501.5	501.3	501.0	500.6	500.3	499.9	499.6
127.5°	547.4	547.5	547.2	546.9	546.7	546.4	546.1	545.7	545.3	544.9	544.6
130°	577.7	578.0	578.0	578.0	578.0	578.0	577.7	577.3	576.9	576.6	576.1
132.5°	608.2	608.3	608.2	608.0	607.8	607.8	607.4	607.0	606.7	606.3	606.0
135°	651.8	652.4	652.4	652.4	652.4	652.4	652.0	651.6	651.3	650.9	650.5
137.5°	694.2	694.5	694.8	695.1	695.4	695.7	695.2	694.7	694.3	693.9	693.6
140°	723.3	723.5	723.5	723.5	723.5	723.5	723.3	723.2	722.9	722.8	722.6
142.5°	750.5	750.6	750.5	750.4	750.2	750.0	750.0	750.0	750.0	750.0	749.9
145°	789.6	790.0	790.2	790.4	790.5	790.7	790.5	790.4	790.2	790.0	789.6
147.5°	827.4	827.8	827.7	827.5	827.4	827.3	827.1	827.0	826.8	826.6	826.5
150°	849.7	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	849.9
152.5°	870.1	870.3	870.4	870.6	870.8	870.8	871.3	871.7	872.1	872.6	872.6
155°	901.4	901.3	901.1	900.9	900.8	900.6	901.3	902.1	902.7	903.4	903.4
157.5°	928.0	927.8	927.7	927.7	927.7	927.6	928.2	928.7	929.2	929.8	929.7
160°	945.0	944.8	944.6	944.4	944.3	944.1	944.6	945.2	945.7	946.2	946.0
162.5°	959.0	958.7	958.5	958.4	958.2	958.0	958.9	959.9	960.8	961.8	961.9
165°	979.1	978.7	978.3	978.0	977.6	977.3	978.3	979.5	980.5	981.5	981.7
167.5°	994.0	993.6	993.6	993.7	993.7	993.8	994.8	995.9	997.0	998.0	998.0
170°	1002.3	1001.9	1002.1	1002.3	1002.4	1002.6	1003.7	1004.7	1005.8	1006.9	1006.7
172.5°	1009.2	1008.8	1008.8	1008.8	1008.9	1008.9	1010.1	1011.3	1012.5	1013.8	1013.7
175°	1017.3	1016.8	1016.6	1016.4	1016.2	1016.1	1017.3	1018.5	1019.8	1021.0	1021.0
177.5°	1020.8	1020.5	1020.5	1020.5	1020.5	1020.5	1021.4	1022.5	1023.4	1024.5	1024.4
180°	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	444.2	444.5	443.5	443.1	443.5	444.5	444.2	445.0	445.2	446.5	446.0
5°	412.1	411.7	410.7	411.0	410.7	411.7	412.1	413.6	414.3	417.3	416.9
7.5°	384.6	383.2	383.6	382.1	383.6	383.2	384.6	386.0	388.2	389.6	392.8
10°	367.8	365.8	364.1	362.6	364.1	365.8	367.8	368.6	371.8	373.3	376.4
12.5°	344.9	343.1	340.9	341.3	340.9	343.1	344.9	348.2	352.3	355.5	360.4
15°	312.4	309.5	305.1	305.6	305.1	309.5	312.4	314.8	318.9	326.1	329.4
17.5°	284.8	284.8	282.7	283.3	282.7	284.8	284.8	288.1	290.3	294.8	299.9
20°	270.5	269.3	269.4	268.9	269.4	269.3	270.5	274.5	276.7	279.9	285.5
22.5°	260.6	259.0	257.7	256.6	257.7	259.0	260.6	261.7	264.7	267.8	272.4
25°	243.9	242.8	241.1	240.7	241.1	242.8	243.9	245.6	247.1	251.0	253.8
27.5°	229.2	229.0	228.3	227.4	228.3	229.0	229.2	230.7	232.7	235.2	238.8
30°	220.7	220.3	219.9	219.4	219.9	220.3	220.7	222.2	223.6	225.7	228.5
32.5°	213.0	212.8	212.4	212.5	212.4	212.8	213.0	213.7	214.7	217.3	219.5
35°	202.1	201.9	201.5	201.4	201.5	201.9	202.1	202.9	203.4	204.1	206.0
37.5°	191.9	192.4	192.2	192.1	192.2	192.4	191.9	192.1	191.5	192.8	194.1
40°	184.9	185.1	185.4	185.2	185.4	185.1	184.9	185.1	185.1	185.1	186.2
42.5°	179.0	179.0	179.6	179.0	179.6	179.0	179.0	178.3	177.4	177.5	177.9
45°	168.6	169.7	169.4	169.4	169.4	169.7	168.6	167.2	167.1	166.3	166.3
47.5°	157.1	158.1	158.4	158.3	158.4	158.1	157.1	156.6	155.7	155.0	155.0
50°	149.6	149.2	149.8	149.6	149.8	149.2	149.6	148.7	147.3	147.3	146.9
52.5°	140.5	140.5	140.5	140.3	140.5	140.5	140.5	140.0	139.4	138.8	138.6
55°	126.4	126.6	126.2	126.4	126.2	126.6	126.4	126.2	126.2	125.8	126.2
57.5°	111.1	110.2	110.5	110.1	110.5	110.2	111.1	111.9	112.2	112.3	112.8
60°	100.1	98.6	98.2	97.5	98.2	98.6	100.1	102.0	102.7	103.1	103.7
62.5°	87.9	86.7	85.5	86.1	85.5	86.7	87.9	89.8	91.5	92.8	94.1
65°	71.5	70.7	70.1	70.9	70.1	70.7	71.5	73.0	74.5	77.4	80.2
67.5°	59.1	58.7	58.7	58.4	58.7	58.7	59.1	59.9	60.8	62.5	65.1
70°	52.7	52.1	52.1	51.7	52.1	52.1	52.7	52.7	53.6	54.3	56.2
72.5°	46.1	45.6	45.7	45.5	45.7	45.6	46.1	46.3	47.1	47.5	48.3
75°	34.1	33.2	33.2	33.4	33.2	33.2	34.1	35.3	36.2	37.9	38.3
77.5°	25.4	25.3	25.5	25.2	25.5	25.3	25.4	25.4	25.7	26.5	27.1
80°	20.8	20.6	20.4	21.0	20.4	20.6	20.8	20.8	21.0	21.2	21.4
82.5°	16.2	16.2	16.1	16.8	16.1	16.2	16.2	16.5	16.5	16.4	16.6
85°	9.7	9.3	9.7	9.3	9.7	9.3	9.7	9.6	9.7	9.6	9.7
87.5°	8.0	7.9	7.8	8.1	7.8	7.9	8.0	7.6	7.4	7.5	7.2
90°	22.7	23.1	23.4	23.7	23.4	23.1	22.7	22.3	21.6	20.6	19.5
92.5°	34.5	34.7	34.9	35.1	34.9	34.7	34.5	34.3	33.8	33.2	32.6
95°	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.2	61.7	61.2
97.5°	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.6	97.0	96.3
100°	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.4	122.0	121.7
102.5°	150.0	150.1	150.3	150.4	150.3	150.1	150.0	149.8	149.5	149.0	148.5
105°	191.3	191.9	192.4	192.9	192.4	191.9	191.3	190.8	190.3	189.8	189.3
107.5°	234.5	234.4	234.4	234.3	234.4	234.4	234.5	234.5	234.2	233.8	233.3
110°	262.5	263.0	263.6	264.1	263.6	263.0	262.5	262.0	261.9	262.2	262.6



TEST NUMBER: P332884-927

CATALOG NUMBER: S124RDIP-S350D1035U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	294.1	294.2	294.4	294.5	294.4	294.2	294.1	294.1	294.1	294.1	294.1
115°	342.1	341.9	341.7	341.6	341.7	341.9	342.1	342.3	342.5	342.6	342.8
117.5°	387.5	387.2	386.8	386.5	386.8	387.2	387.5	387.9	388.4	389.0	389.6
120°	419.6	419.9	420.3	420.6	420.3	419.9	419.6	419.2	419.5	420.4	421.3
122.5°	451.0	450.4	449.7	449.1	449.7	450.4	451.0	451.6	452.3	452.9	453.4
125°	499.2	498.8	498.5	498.1	498.5	498.8	499.2	499.6	499.9	500.3	500.6
127.5°	544.4	544.1	543.8	543.5	543.8	544.1	544.4	544.6	544.9	545.3	545.7
130°	575.4	574.6	573.9	573.2	573.9	574.6	575.4	576.1	576.6	576.9	577.3
132.5°	605.7	605.5	605.1	604.9	605.1	605.5	605.7	606.0	606.3	606.7	607.0
135°	650.0	649.4	648.9	648.4	648.9	649.4	650.0	650.5	650.9	651.3	651.6
137.5°	693.8	693.9	694.0	694.1	694.0	693.9	693.8	693.6	693.9	694.3	694.7
140°	722.5	722.2	722.1	721.9	722.1	722.2	722.5	722.6	722.8	722.9	723.2
142.5°	749.9	749.8	749.8	749.7	749.8	749.8	749.9	749.9	750.0	750.0	750.0
145°	789.1	788.6	788.1	787.5	788.1	788.6	789.1	789.6	790.0	790.2	790.4
147.5°	826.3	826.2	826.0	825.9	826.0	826.2	826.3	826.5	826.6	826.8	827.0
150°	849.8	849.5	849.4	849.2	849.4	849.5	849.8	849.9	850.0	850.0	850.0
152.5°	872.1	871.6	871.2	870.7	871.2	871.6	872.1	872.6	872.6	872.1	871.7
155°	902.7	902.1	901.3	900.6	901.3	902.1	902.7	903.4	903.4	902.7	902.1
157.5°	929.2	928.5	928.0	927.3	928.0	928.5	929.2	929.7	929.8	929.2	928.7
160°	945.2	944.3	943.4	942.5	943.4	944.3	945.2	946.0	946.2	945.7	945.2
162.5°	961.0	960.1	959.3	958.3	959.3	960.1	961.0	961.9	961.8	960.8	959.9
165°	981.0	980.3	979.6	978.9	979.6	980.3	981.0	981.7	981.5	980.5	979.5
167.5°	996.9	995.8	994.7	993.6	994.7	995.8	996.9	998.0	998.0	997.0	995.9
170°	1005.5	1004.2	1003.1	1001.8	1003.1	1004.2	1005.5	1006.7	1006.9	1005.8	1004.7
172.5°	1012.5	1011.2	1010.0	1008.8	1010.0	1011.2	1012.5	1013.7	1013.8	1012.5	1011.3
175°	1019.8	1018.5	1017.3	1016.1	1017.3	1018.5	1019.8	1021.0	1021.0	1019.8	1018.5
177.5°	1023.3	1022.1	1021.0	1019.9	1021.0	1022.1	1023.3	1024.4	1024.5	1023.4	1022.5
180°	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4



TEST NUMBER: P332884-927

CATALOG NUMBER: S124RDIP-S350D1035U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	445.0	446.2	448.5	451.2	453.5	455.4	456.9	459.1	461.0	463.7	466.2
5°	418.1	420.7	424.5	429.0	434.6	438.3	443.0	447.2	453.1	459.1	464.9
7.5°	394.4	397.3	402.8	409.0	415.7	421.8	427.4	434.7	442.6	451.4	461.1
10°	379.1	382.3	388.8	395.9	403.9	409.9	417.3	426.0	435.0	445.7	457.6
12.5°	365.3	368.4	376.2	383.5	391.7	398.3	407.0	415.7	427.8	439.3	453.0
15°	338.4	346.5	355.5	364.1	373.8	381.9	392.4	401.4	412.8	429.1	444.7
17.5°	308.6	317.1	328.4	341.7	354.7	364.7	375.3	386.5	400.1	416.8	434.7
20°	291.1	298.1	310.5	325.3	340.5	354.3	364.1	376.4	390.5	408.5	427.1
22.5°	278.1	284.0	293.7	308.5	324.9	341.0	353.5	365.7	381.2	399.3	419.5
25°	258.6	264.9	273.4	283.4	302.2	319.2	335.6	349.7	366.1	384.1	406.6
27.5°	242.2	247.8	255.6	266.1	278.7	297.5	317.3	333.3	350.2	369.6	392.1
30°	232.7	237.2	243.5	254.2	266.3	283.1	303.2	321.9	339.0	359.0	382.5
32.5°	222.6	227.4	233.6	242.1	255.0	269.2	289.2	309.7	327.9	348.4	371.4
35°	209.2	213.0	218.6	227.2	238.8	251.2	269.0	290.3	309.3	331.3	353.2
37.5°	195.7	200.1	204.5	212.2	221.7	235.0	249.6	271.3	292.5	312.5	333.9
40°	188.1	190.7	195.5	201.8	211.8	223.6	237.3	258.6	279.7	299.6	321.2
42.5°	179.5	182.4	186.6	192.7	201.8	213.3	226.7	245.0	267.1	286.4	306.0
45°	167.6	169.3	173.4	178.6	186.2	197.8	210.2	226.5	247.3	265.7	282.9
47.5°	155.6	157.1	159.6	164.5	172.9	182.2	193.8	208.4	226.6	245.0	259.6
50°	147.3	148.7	151.1	155.6	163.1	172.3	183.7	196.9	213.2	230.8	243.0
52.5°	139.1	139.8	142.1	147.2	153.5	162.6	172.8	184.9	200.1	214.8	227.1
55°	126.0	127.7	129.2	132.9	138.9	147.6	156.8	168.2	180.0	192.3	202.9
57.5°	112.3	114.2	116.3	119.6	124.4	132.4	140.6	149.9	160.0	170.2	179.1
60°	103.3	105.0	106.9	110.6	114.9	121.3	130.3	138.4	146.1	155.4	164.2
62.5°	94.4	96.2	98.3	101.3	105.4	111.5	119.1	126.0	134.0	142.2	148.8
65°	81.4	82.7	84.4	87.2	91.1	96.6	102.7	108.2	115.3	121.3	127.3
67.5°	67.0	69.6	71.7	74.0	77.3	82.4	86.9	92.1	97.0	101.4	106.9
70°	57.6	60.4	62.4	64.9	68.0	72.4	76.7	80.2	84.2	88.5	93.4
72.5°	49.6	51.8	53.5	56.0	58.9	62.9	66.9	69.9	73.1	76.0	80.8
75°	39.2	40.1	41.3	43.3	45.9	49.0	52.1	54.7	56.6	59.3	62.6
77.5°	28.1	29.9	30.7	32.2	34.1	35.9	38.0	40.2	42.1	42.9	45.6
80°	21.5	22.3	23.1	25.1	26.2	28.1	29.6	31.7	32.4	33.4	35.8
82.5°	16.8	17.2	17.7	18.2	18.9	20.8	22.3	23.6	24.3	24.6	26.5
85°	9.7	9.9	10.1	10.3	10.5	10.5	11.2	12.2	13.5	13.5	14.1
87.5°	7.0	6.9	6.7	6.2	6.3	5.9	5.8	5.4	5.5	5.5	5.5
90°	18.5	17.4	16.0	14.6	13.2	11.8	10.1	8.2	6.3	4.3	2.4
92.5°	31.9	31.3	30.3	29.3	28.4	27.4	25.7	23.5	21.3	19.2	17.0
95°	60.6	60.1	58.9	57.7	56.4	55.1	53.8	52.2	50.6	49.0	47.5
97.5°	95.7	95.1	93.6	92.1	90.7	89.3	87.9	86.7	85.4	84.1	82.9
100°	121.4	121.0	119.4	117.8	116.2	114.6	113.5	112.8	112.1	111.4	110.7
102.5°	148.1	147.6	146.1	144.7	143.2	141.8	140.9	140.6	140.4	140.1	139.8
105°	188.7	188.2	187.5	186.8	186.1	185.4	185.0	184.7	184.6	184.4	184.3
107.5°	232.8	232.3	232.2	232.1	232.0	231.9	231.7	231.6	231.3	231.1	230.9
110°	262.9	263.3	263.5	263.6	263.8	264.0	264.0	263.6	263.2	262.8	262.5



TEST NUMBER: P332884-927

CATALOG NUMBER: S124RDIP-S350D1035U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	294.2	294.3	294.6	294.9	295.2	295.6	295.7	295.6	295.6	295.5	295.4
115°	343.0	343.2	343.5	343.9	344.2	344.6	344.8	344.8	344.8	344.8	344.8
117.5°	390.1	390.8	391.0	391.3	391.5	391.7	391.8	391.7	391.5	391.4	391.3
120°	422.2	423.0	423.6	424.1	424.6	425.2	425.1	424.4	423.7	422.9	422.2
122.5°	454.1	454.6	454.9	455.1	455.4	455.7	455.6	455.3	455.0	454.8	454.5
125°	501.0	501.3	501.5	501.7	501.8	502.0	502.1	502.1	502.1	502.1	502.1
127.5°	546.1	546.4	546.7	546.9	547.2	547.5	547.4	546.8	546.3	545.8	545.3
130°	577.7	578.0	578.0	578.0	578.0	578.0	577.7	577.2	576.7	576.2	575.6
132.5°	607.4	607.8	607.8	608.0	608.2	608.3	608.2	607.8	607.4	607.0	606.7
135°	652.0	652.4	652.4	652.4	652.4	652.4	651.8	650.8	649.7	648.6	647.6
137.5°	695.2	695.7	695.4	695.1	694.8	694.5	694.2	693.6	693.2	692.7	692.2
140°	723.3	723.5	723.5	723.5	723.5	723.5	723.3	722.9	722.6	722.2	721.9
142.5°	750.0	750.0	750.2	750.4	750.5	750.6	750.5	750.2	749.8	749.5	749.1
145°	790.5	790.7	790.5	790.4	790.2	790.0	789.6	788.9	788.1	787.4	786.7
147.5°	827.1	827.3	827.4	827.5	827.7	827.8	827.4	826.6	825.8	824.9	824.1
150°	850.0	850.0	850.0	850.0	850.0	850.0	849.7	849.0	848.3	847.6	846.8
152.5°	871.3	870.8	870.8	870.6	870.4	870.3	870.1	869.7	869.2	868.8	868.4
155°	901.3	900.6	900.8	900.9	901.1	901.3	901.4	901.4	901.4	901.4	901.4
157.5°	928.2	927.6	927.7	927.7	927.7	927.8	928.0	928.3	928.6	928.9	929.2
160°	944.6	944.1	944.3	944.4	944.6	944.8	945.0	945.2	945.3	945.5	945.7
162.5°	958.9	958.0	958.2	958.4	958.5	958.7	959.0	959.5	960.0	960.4	960.8
165°	978.3	977.3	977.6	978.0	978.3	978.7	979.1	979.7	980.2	980.7	981.3
167.5°	994.8	993.8	993.7	993.7	993.6	993.6	994.0	994.7	995.5	996.2	997.0
170°	1003.7	1002.6	1002.4	1002.3	1002.1	1001.9	1002.3	1003.1	1004.0	1004.9	1005.8
172.5°	1010.1	1008.9	1008.9	1008.8	1008.8	1008.8	1009.2	1009.9	1010.7	1011.4	1012.1
175°	1017.3	1016.1	1016.2	1016.4	1016.6	1016.8	1017.3	1018.2	1019.1	1019.9	1020.8
177.5°	1021.4	1020.5	1020.5	1020.5	1020.5	1020.5	1020.8	1021.5	1022.2	1022.9	1023.7
180°	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4



TEST NUMBER: P332884-927

CATALOG NUMBER: S124RDIP-S350D1035U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	468.2	469.5	471.0	473.9	476.3	477.4	479.4	480.9	480.5	482.6	486.2
5°	470.0	475.1	480.9	486.9	493.6	499.2	503.7	508.3	511.8	516.1	522.5
7.5°	469.7	478.7	488.5	499.2	510.3	519.9	528.7	537.7	545.7	554.4	565.9
10°	468.5	480.5	492.7	506.8	520.9	534.2	546.1	557.4	568.1	579.5	594.0
12.5°	467.1	480.9	495.7	512.6	530.1	546.1	560.2	576.5	589.9	604.6	621.2
15°	461.2	479.7	499.9	521.7	542.8	564.4	583.6	603.5	622.1	639.7	660.7
17.5°	454.4	475.8	499.5	525.4	550.6	576.8	599.8	624.8	643.7	667.4	686.9
20°	448.9	471.9	497.2	526.2	554.9	584.0	609.3	634.9	656.2	680.0	704.7
22.5°	442.1	467.4	494.8	524.9	554.9	586.7	614.7	640.1	666.5	693.3	718.8
25°	431.2	457.5	486.6	519.5	554.1	586.5	616.5	647.9	676.4	705.5	728.4
27.5°	417.9	445.4	476.0	510.1	545.5	578.7	614.0	647.6	676.3	704.3	724.2
30°	407.2	436.3	465.7	500.2	536.9	572.6	610.5	644.0	674.2	699.3	710.6
32.5°	396.2	423.8	454.2	489.1	526.7	565.1	602.6	637.0	664.9	679.9	680.2
35°	377.2	403.1	434.6	468.9	507.6	549.1	587.2	620.9	638.0	639.3	620.9
37.5°	356.5	380.2	409.9	444.3	486.6	528.0	566.8	589.3	595.0	575.9	542.0
40°	341.6	363.5	392.2	427.5	469.4	512.2	547.6	564.1	558.2	527.2	489.3
42.5°	326.0	346.4	374.1	408.8	451.0	494.2	524.4	533.2	517.4	481.6	437.3
45°	300.6	319.2	346.7	381.8	422.2	462.7	485.6	481.1	454.6	412.3	362.6
47.5°	274.0	292.2	316.8	349.2	390.7	425.6	441.1	427.5	389.9	343.3	302.9
50°	256.5	275.0	297.7	328.7	366.5	400.3	410.2	389.6	347.8	303.0	265.9
52.5°	239.2	255.1	277.3	307.2	343.4	371.9	377.2	353.5	310.3	270.1	237.2
55°	213.0	227.4	246.1	274.3	305.6	329.8	326.9	296.4	257.2	222.9	197.0
57.5°	187.6	198.4	215.8	242.2	269.7	285.9	275.6	249.5	213.0	184.9	163.1
60°	170.8	180.9	197.0	220.1	244.3	253.5	244.9	216.6	187.7	162.0	143.6
62.5°	154.9	163.8	177.7	199.1	218.6	224.1	214.8	190.1	164.1	142.2	127.0
65°	131.8	140.1	151.9	167.1	180.5	183.2	177.2	151.9	132.2	113.8	103.3
67.5°	110.8	116.2	125.5	138.6	145.8	147.3	135.7	119.8	102.4	91.2	83.3
70°	96.7	100.5	109.1	116.2	122.1	122.2	111.5	98.8	85.5	76.3	70.5
72.5°	83.1	86.7	93.2	98.1	102.6	101.1	91.3	81.3	70.5	63.5	59.3
75°	64.1	67.3	70.7	73.0	73.0	71.1	63.9	56.4	50.2	46.1	44.8
77.5°	46.6	49.2	50.4	50.0	49.4	46.4	41.9	37.0	34.8	32.9	31.8
80°	36.6	37.7	38.0	37.2	36.0	32.6	29.6	27.6	25.5	24.7	24.4
82.5°	27.1	28.1	27.1	27.4	24.9	22.1	20.4	19.7	18.9	18.6	18.2
85°	14.4	14.3	13.9	12.9	11.2	10.9	10.7	10.5	10.1	10.3	9.9
87.5°	5.8	5.8	5.5	5.8	6.1	6.1	6.5	6.8	7.1	7.1	7.7
90°	4.3	6.3	8.2	10.1	11.8	13.2	14.6	16.0	17.4	18.5	19.5
92.5°	19.2	21.3	23.5	25.7	27.4	28.4	29.3	30.3	31.3	31.9	32.6
95°	49.0	50.6	52.2	53.8	55.1	56.4	57.7	58.9	60.1	60.6	61.2
97.5°	84.1	85.4	86.7	87.9	89.3	90.7	92.1	93.6	95.1	95.7	96.3
100°	111.4	112.1	112.8	113.5	114.6	116.2	117.8	119.4	121.0	121.4	121.7
102.5°	140.1	140.4	140.6	140.9	141.8	143.2	144.7	146.1	147.6	148.1	148.5
105°	184.4	184.6	184.7	185.0	185.4	186.1	186.8	187.5	188.2	188.7	189.3
107.5°	231.1	231.3	231.6	231.7	231.9	232.0	232.1	232.2	232.3	232.8	233.3
110°	262.8	263.2	263.6	264.0	264.0	263.8	263.6	263.5	263.3	262.9	262.6



TEST NUMBER: P332884-927

CATALOG NUMBER: S124RDIP-S350D1035U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	295.5	295.6	295.6	295.7	295.6	295.2	294.9	294.6	294.3	294.2	294.1
115°	344.8	344.8	344.8	344.8	344.6	344.2	343.9	343.5	343.2	343.0	342.8
117.5°	391.4	391.5	391.7	391.8	391.7	391.5	391.3	391.0	390.8	390.1	389.6
120°	422.9	423.7	424.4	425.1	425.2	424.6	424.1	423.6	423.0	422.2	421.3
122.5°	454.8	455.0	455.3	455.6	455.7	455.4	455.1	454.9	454.6	454.1	453.4
125°	502.1	502.1	502.1	502.1	502.0	501.8	501.7	501.5	501.3	501.0	500.6
127.5°	545.8	546.3	546.8	547.4	547.5	547.2	546.9	546.7	546.4	546.1	545.7
130°	576.2	576.7	577.2	577.7	578.0	578.0	578.0	578.0	578.0	577.7	577.3
132.5°	607.0	607.4	607.8	608.2	608.3	608.2	608.0	607.8	607.8	607.4	607.0
135°	648.6	649.7	650.8	651.8	652.4	652.4	652.4	652.4	652.4	652.0	651.6
137.5°	692.7	693.2	693.6	694.2	694.5	694.8	695.1	695.4	695.7	695.2	694.7
140°	722.2	722.6	722.9	723.3	723.5	723.5	723.5	723.5	723.5	723.3	723.2
142.5°	749.5	749.8	750.2	750.5	750.6	750.5	750.4	750.2	750.0	750.0	750.0
145°	787.4	788.1	788.9	789.6	790.0	790.2	790.4	790.5	790.7	790.5	790.4
147.5°	824.9	825.8	826.6	827.4	827.8	827.7	827.5	827.4	827.3	827.1	827.0
150°	847.6	848.3	849.0	849.7	850.0	850.0	850.0	850.0	850.0	850.0	850.0
152.5°	868.8	869.2	869.7	870.1	870.3	870.4	870.6	870.8	870.8	871.3	871.7
155°	901.4	901.4	901.4	901.4	901.3	901.1	900.9	900.8	900.6	901.3	902.1
157.5°	928.9	928.6	928.3	928.0	927.8	927.7	927.7	927.7	927.6	928.2	928.7
160°	945.5	945.3	945.2	945.0	944.8	944.6	944.4	944.3	944.1	944.6	945.2
162.5°	960.4	960.0	959.5	959.0	958.7	958.5	958.4	958.2	958.0	958.9	959.9
165°	980.7	980.2	979.7	979.1	978.7	978.3	978.0	977.6	977.3	978.3	979.5
167.5°	996.2	995.5	994.7	994.0	993.6	993.6	993.7	993.7	993.8	994.8	995.9
170°	1004.9	1004.0	1003.1	1002.3	1001.9	1002.1	1002.3	1002.4	1002.6	1003.7	1004.7
172.5°	1011.4	1010.7	1009.9	1009.2	1008.8	1008.8	1008.8	1008.9	1008.9	1010.1	1011.3
175°	1019.9	1019.1	1018.2	1017.3	1016.8	1016.6	1016.4	1016.2	1016.1	1017.3	1018.5
177.5°	1022.9	1022.2	1021.5	1020.8	1020.5	1020.5	1020.5	1020.5	1020.5	1021.4	1022.5
180°	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	488.1	488.7	489.2	490.7	490.8	492.2	490.8
5°	528.5	531.2	535.3	539.4	539.8	542.4	537.7
7.5°	573.8	579.9	583.7	590.3	592.9	594.6	591.9
10°	605.0	610.6	620.6	625.4	630.3	631.1	628.8
12.5°	635.2	644.0	651.9	661.2	660.9	667.5	665.1
15°	675.3	684.5	695.4	705.7	709.4	709.4	712.4
17.5°	703.9	720.8	732.1	740.1	749.0	750.5	749.5
20°	723.3	741.5	753.5	764.0	770.0	771.7	771.7
22.5°	737.7	753.2	764.9	774.4	779.3	781.3	780.7
25°	747.7	761.0	768.1	771.0	772.2	771.9	768.3
27.5°	734.0	733.4	729.0	720.3	713.8	709.9	705.4
30°	708.0	698.2	686.9	674.5	658.6	646.4	642.7
32.5°	669.1	647.2	628.1	607.5	590.4	578.2	573.1
35°	594.0	559.3	530.9	506.2	488.2	477.0	473.2
37.5°	504.8	471.2	436.2	412.2	397.2	385.9	381.7
40°	448.1	411.5	381.0	358.5	343.1	332.0	331.8
42.5°	396.3	361.4	332.6	316.5	299.9	292.6	292.6
45°	324.6	296.6	272.2	259.4	249.5	243.5	241.9
47.5°	268.7	245.6	229.3	219.2	211.1	207.3	204.8
50°	237.3	217.1	204.1	195.4	190.8	186.0	185.6
52.5°	211.3	194.9	184.8	177.7	172.0	169.1	169.1
55°	177.5	164.6	157.5	152.0	147.6	145.3	144.3
57.5°	149.6	139.9	134.7	129.7	127.8	126.0	125.6
60°	132.2	125.6	120.7	116.8	114.0	113.4	113.2
62.5°	117.8	110.9	107.6	104.5	102.4	101.6	101.2
65°	97.1	92.1	89.0	86.6	85.9	84.5	84.4
67.5°	78.3	75.3	73.3	71.6	70.6	70.5	70.5
70°	66.8	65.0	63.4	62.4	61.9	61.5	61.5
72.5°	56.9	55.6	54.2	53.7	53.6	53.2	53.1
75°	43.3	42.0	42.2	41.3	40.5	39.5	39.0
77.5°	30.7	29.8	29.5	29.5	28.8	28.8	29.0
80°	23.8	22.9	22.7	22.9	22.7	22.1	22.1
82.5°	18.1	17.3	17.1	17.0	16.9	17.0	16.7
85°	9.7	9.3	9.3	9.3	9.7	9.6	9.3
87.5°	7.5	7.6	7.9	7.8	7.9	7.8	8.1
90°	20.6	21.6	22.3	22.7	23.1	23.4	23.7
92.5°	33.2	33.8	34.3	34.5	34.7	34.9	35.1
95°	61.7	62.2	62.5	62.5	62.5	62.5	62.5
97.5°	97.0	97.6	97.9	97.9	97.9	97.9	97.9
100°	122.0	122.4	122.6	122.6	122.6	122.6	122.6
102.5°	149.0	149.5	149.8	150.0	150.1	150.3	150.4
105°	189.8	190.3	190.8	191.3	191.9	192.4	192.9
107.5°	233.8	234.2	234.5	234.5	234.4	234.4	234.3
110°	262.2	261.9	262.0	262.5	263.0	263.6	264.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	294.1	294.1	294.1	294.1	294.2	294.4	294.5
115°	342.6	342.5	342.3	342.1	341.9	341.7	341.6
117.5°	389.0	388.4	387.9	387.5	387.2	386.8	386.5
120°	420.4	419.5	419.2	419.6	419.9	420.3	420.6
122.5°	452.9	452.3	451.6	451.0	450.4	449.7	449.1
125°	500.3	499.9	499.6	499.2	498.8	498.5	498.1
127.5°	545.3	544.9	544.6	544.4	544.1	543.8	543.5
130°	576.9	576.6	576.1	575.4	574.6	573.9	573.2
132.5°	606.7	606.3	606.0	605.7	605.5	605.1	604.9
135°	651.3	650.9	650.5	650.0	649.4	648.9	648.4
137.5°	694.3	693.9	693.6	693.8	693.9	694.0	694.1
140°	722.9	722.8	722.6	722.5	722.2	722.1	721.9
142.5°	750.0	750.0	749.9	749.9	749.8	749.8	749.7
145°	790.2	790.0	789.6	789.1	788.6	788.1	787.5
147.5°	826.8	826.6	826.5	826.3	826.2	826.0	825.9
150°	850.0	850.0	849.9	849.8	849.5	849.4	849.2
152.5°	872.1	872.6	872.6	872.1	871.6	871.2	870.7
155°	902.7	903.4	903.4	902.7	902.1	901.3	900.6
157.5°	929.2	929.8	929.7	929.2	928.5	928.0	927.3
160°	945.7	946.2	946.0	945.2	944.3	943.4	942.5
162.5°	960.8	961.8	961.9	961.0	960.1	959.3	958.3
165°	980.5	981.5	981.7	981.0	980.3	979.6	978.9
167.5°	997.0	998.0	998.0	996.9	995.8	994.7	993.6
170°	1005.8	1006.9	1006.7	1005.5	1004.2	1003.1	1001.8
172.5°	1012.5	1013.8	1013.7	1012.5	1011.2	1010.0	1008.8
175°	1019.8	1021.0	1021.0	1019.8	1018.5	1017.3	1016.1
177.5°	1023.4	1024.5	1024.4	1023.3	1022.1	1021.0	1019.9
180°	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4	1022.4

(END OF REPORT)