

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: P332891-927

Luminaire Tested: **S124RDIP-S350D1205U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332891-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S350D1205U927-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4586.5 lumens
Efficiency: N/A
Efficacy: 108.7 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

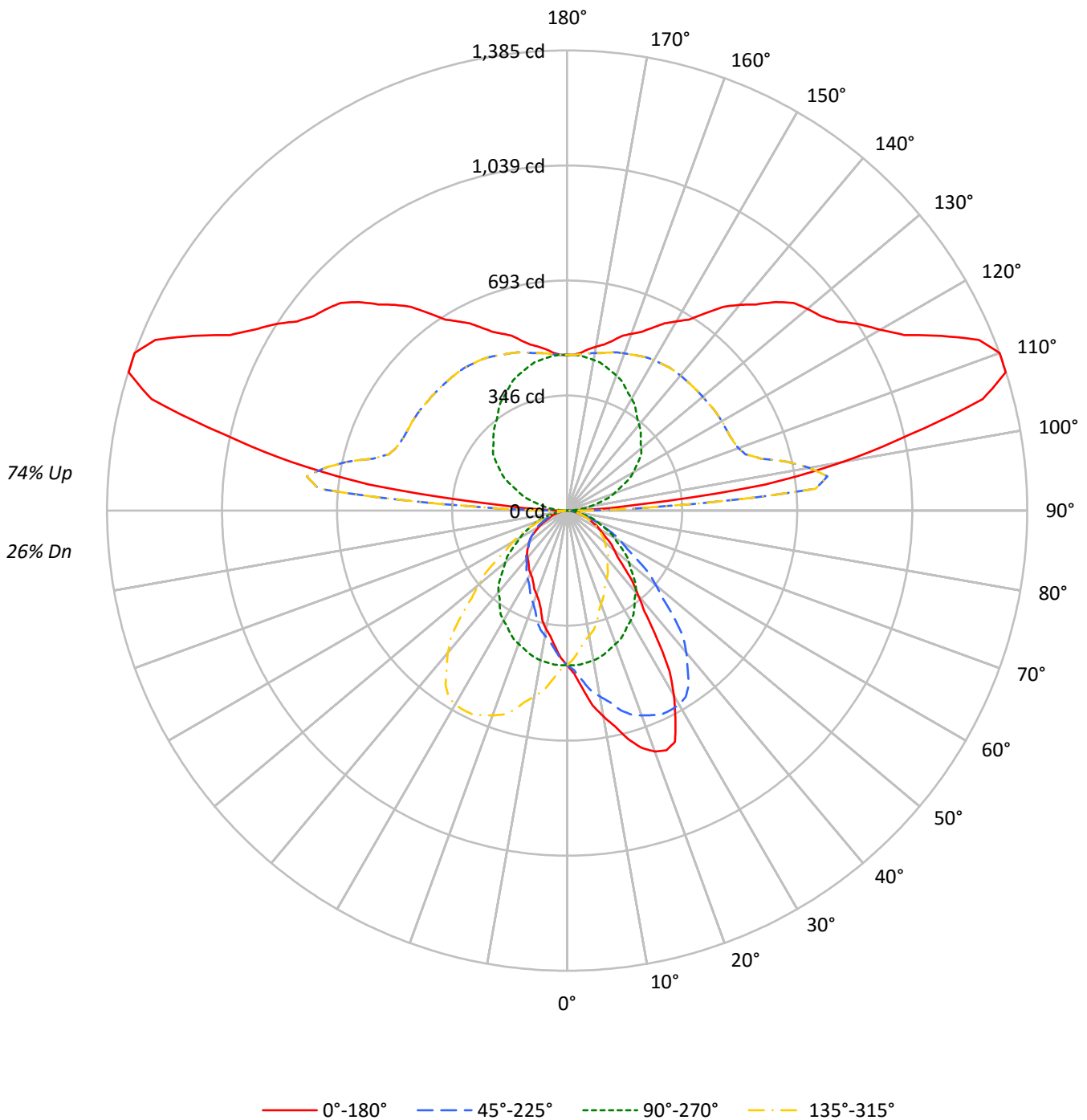
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	93	88	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29	22				
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19				
3	77	68	61	56	69	61	55	51	48	44	41	35	33	31	24	22	21	16				
4	71	60	53	47	63	54	48	43	42	38	35	32	29	26	22	20	18	14				
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	18	16	12				
6	60	48	40	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11				
7	55	43	36	30	49	39	33	28	31	26	23	23	20	18	16	14	13	10				
8	51	39	32	27	45	35	29	25	28	23	20	21	18	16	15	13	11	9				
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8				
10	44	33	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7				

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	1.0
10°-20°	136.0	3.0
20°-30°	212.7	4.6
30°-40°	236.5	5.2
40°-50°	209.8	4.6
50°-60°	163.5	3.6
60°-70°	107.0	2.3
70°-80°	52.6	1.1
80°-90°	15.6	0.3
90°-100°	338.4	7.4
100°-110°	704.3	15.4
110°-120°	630.9	13.8
120°-130°	530.7	11.6
130°-140°	442.5	9.6
140°-150°	338.0	7.4
150°-160°	237.6	5.2
160°-170°	139.8	3.0
170°-180°	45.5	1.0
0°-30°	393.8	8.6
0°-40°	630.3	13.7
0°-60°	1003.6	21.9
0°-90°	1178.8	25.7
90°-120°	1673.6	36.5
90°-150°	2984.8	65.1
90°-180°	3408.0	74.3
0°-180°	4586.5	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°	19	1	19	1	19	16
95°	225	30	225	30	225	349
105°	1295	108	1295	108	1295	1280
115°	1244	190	1244	190	1244	1235
125°	992	264	992	264	992	902
135°	887	314	887	314	887	685
145°	724	362	724	362	724	459
155°	607	412	607	412	607	283
165°	529	448	529	448	529	152
175°	477	468	477	468	477	46
180°	469	469	469	469	469	



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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°	7.1	7.1	7.4	7.1	7.1	7.0	7.0	7.1	6.6	6.9	6.6
90°	19.3	19.3	20.3	19.3	18.4	18.4	17.5	16.6	15.7	16.6	14.7
92.5°	70.9	70.9	74.0	79.0	89.8	108.3	136.0	180.8	243.2	292.0	255.6
95°	224.6	236.5	253.2	281.7	326.8	416.1	539.4	682.1	771.4	750.2	566.1
97.5°	600.4	619.5	647.1	702.5	768.7	864.7	954.7	1007.8	969.2	790.2	529.8
100°	844.1	851.5	879.1	935.3	1015.3	1083.5	1128.5	1110.2	975.7	740.1	480.5
102.5°	1056.2	1062.1	1091.2	1131.9	1181.0	1209.3	1196.3	1105.0	920.5	677.5	447.3
105°	1295.1	1300.7	1313.6	1321.0	1319.1	1281.4	1190.3	1030.9	820.1	603.9	418.8
107.5°	1383.9	1381.5	1372.3	1351.3	1305.8	1223.8	1095.4	925.8	739.2	562.6	413.7
110°	1385.4	1377.1	1360.5	1321.8	1256.5	1155.2	1021.8	862.5	698.7	548.7	415.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1342.0	1328.5	1305.3	1258.5	1184.3	1083.1	957.0	816.1	675.8	542.0	419.5
115°	1243.6	1236.3	1206.8	1151.6	1078.9	990.5	882.8	769.5	654.5	538.5	428.0
117.5°	1144.0	1138.3	1108.5	1062.1	1000.1	925.1	840.4	746.7	644.9	537.6	437.0
120°	1088.1	1077.9	1054.0	1013.5	961.0	895.6	822.0	736.4	639.8	537.6	443.7
122.5°	1043.9	1033.7	1013.5	978.9	934.5	877.3	810.2	727.5	633.9	536.9	450.4
125°	992.3	986.8	969.3	942.6	905.8	855.2	791.6	712.5	624.1	535.8	460.3
127.5°	962.1	956.6	941.9	918.1	881.1	833.1	769.8	694.0	611.0	533.7	468.2
130°	944.4	938.9	924.2	901.2	863.5	814.7	752.1	679.4	602.9	533.0	474.0
132.5°	924.6	919.0	905.1	879.1	842.1	793.3	732.2	663.8	595.6	532.3	479.2
135°	887.4	881.9	867.1	841.4	804.5	758.5	702.3	642.5	584.6	531.2	487.0
137.5°	841.4	834.7	822.6	797.2	762.7	721.1	673.8	623.2	575.0	530.9	491.5
140°	808.2	800.8	788.0	767.7	735.5	696.8	655.4	612.1	569.8	530.2	495.3
142.5°	772.9	767.7	756.3	737.5	709.0	675.5	639.9	601.8	565.4	530.2	498.2
145°	724.5	719.9	710.7	695.0	672.0	646.2	618.6	587.3	557.9	528.4	499.9
147.5°	681.5	679.9	672.9	659.5	642.5	622.3	600.2	575.4	551.0	525.1	500.7
150°	657.3	656.3	650.8	638.8	624.1	607.5	589.1	568.0	545.9	522.8	500.7
152.5°	635.2	634.2	630.9	621.2	608.6	595.0	578.1	559.8	540.0	519.2	499.3
155°	606.7	606.7	603.9	596.5	587.3	576.2	562.4	547.7	531.2	513.7	497.1
157.5°	581.6	581.6	580.0	574.4	567.4	558.6	547.0	534.6	522.1	507.9	494.7
160°	566.1	566.1	565.2	559.7	554.1	546.8	536.6	526.6	515.5	503.5	492.5
162.5°	551.4	552.2	551.2	545.7	541.6	535.0	527.1	518.4	509.6	499.1	490.3
165°	529.3	530.2	531.2	527.4	523.8	519.2	512.7	507.2	499.9	492.5	486.0
167.5°	511.8	512.5	512.7	510.3	508.5	505.7	500.6	496.4	491.0	485.8	481.6
170°	500.7	500.7	501.7	500.7	498.9	496.1	492.5	489.7	485.1	481.4	478.6
172.5°	489.7	491.2	492.1	491.2	490.0	488.1	485.8	483.8	480.0	477.0	475.7
175°	476.8	478.6	480.5	478.6	478.6	478.6	476.8	475.9	474.0	472.2	472.2
177.5°	469.3	470.7	472.2	471.5	472.2	471.5	471.5	470.7	470.0	469.3	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



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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°	6.2	6.0	5.2	5.2	5.1	5.6	5.5	5.3	5.2	5.3	5.1
90°	12.9	12.9	7.4	7.4	6.4	5.5	2.8	1.0	2.8	5.5	6.4
92.5°	185.9	114.5	67.7	48.6	35.2	23.9	15.3	10.5	15.3	23.9	35.2
95°	346.1	195.1	115.1	76.4	54.3	42.4	33.1	30.3	33.1	42.4	54.3
97.5°	311.2	186.5	124.8	92.4	73.4	62.4	54.5	54.5	54.5	62.4	73.4
100°	292.7	188.7	134.4	105.0	87.5	76.4	69.9	69.9	69.9	76.4	87.5
102.5°	287.6	196.1	146.9	118.9	102.2	91.9	86.2	84.7	86.2	91.9	102.2
105°	289.9	213.6	169.4	142.7	126.1	115.1	110.4	107.7	110.4	115.1	126.1
107.5°	303.6	234.0	193.5	167.2	151.3	139.6	134.9	133.1	134.9	139.6	151.3
110°	313.9	249.5	209.0	184.1	167.5	156.5	151.9	150.0	151.9	156.5	167.5



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	325.0	264.2	225.1	200.3	183.7	173.4	168.1	166.3	168.1	173.4	183.7
115°	342.5	287.2	250.4	225.5	208.0	198.8	192.4	189.6	192.4	198.8	208.0
117.5°	360.3	309.5	274.5	248.7	232.3	222.2	216.5	213.9	216.5	222.2	232.3
120°	372.8	325.0	289.9	264.2	248.5	238.4	232.0	230.1	232.0	238.4	248.5
122.5°	384.6	339.7	304.7	279.6	262.5	253.2	246.7	244.9	246.7	253.2	262.5
125°	402.3	359.9	326.8	301.0	283.5	273.4	267.8	264.2	267.8	273.4	283.5
127.5°	417.6	378.7	346.7	320.7	302.5	290.9	284.2	281.3	284.2	290.9	302.5
130°	427.1	391.3	359.9	333.2	315.8	301.9	294.5	290.9	294.5	301.9	315.8
132.5°	436.7	401.6	370.3	345.0	326.1	313.0	303.4	300.5	303.4	313.0	326.1
135°	449.2	416.1	385.7	361.8	342.5	326.8	317.6	313.9	317.6	326.8	342.5
137.5°	458.0	427.1	398.8	376.0	355.8	341.0	330.8	327.3	330.8	341.0	355.8
140°	463.9	434.5	406.9	384.8	365.4	349.8	339.7	336.9	339.7	349.8	365.4
142.5°	468.3	441.1	414.2	392.8	374.3	359.3	350.0	347.2	350.0	359.3	374.3
145°	473.2	448.3	424.4	404.1	386.6	373.8	364.6	361.8	364.6	373.8	386.6
147.5°	477.4	455.7	433.2	414.9	400.4	387.1	379.1	378.1	379.1	387.1	400.4
150°	479.6	459.3	439.1	421.6	407.8	396.7	389.4	388.5	389.4	396.7	407.8
152.5°	481.1	462.3	444.3	428.3	415.9	405.6	398.2	398.0	398.2	405.6	415.9
155°	482.4	466.7	451.1	437.3	427.1	417.9	412.4	411.5	412.4	417.9	427.1
157.5°	482.4	469.8	456.6	445.7	436.9	429.7	424.5	424.5	424.5	429.7	436.9
160°	482.4	471.3	460.3	450.1	442.8	436.3	432.6	432.6	432.6	436.3	442.8
162.5°	482.4	472.8	462.5	454.6	447.9	442.2	439.3	440.0	439.3	442.2	447.9
165°	480.5	473.2	464.9	459.3	454.7	450.1	448.3	448.3	448.3	450.1	454.7
167.5°	478.3	472.9	466.9	462.6	460.1	456.6	455.7	456.6	455.7	456.6	460.1
170°	476.8	472.2	467.6	464.9	463.0	460.3	459.3	460.3	459.3	460.3	463.0
172.5°	475.4	471.5	468.3	466.4	465.2	463.2	463.0	463.9	463.0	463.2	465.2
175°	473.2	470.4	468.6	468.6	467.6	466.7	466.7	467.6	466.7	466.7	467.6
177.5°	470.7	469.3	468.6	468.6	468.6	467.8	468.6	469.3	468.6	467.8	468.6
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

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°	5.2	5.1	6.2	5.9	6.4	6.7	6.4	6.6	7.0	6.8	6.8
90°	7.4	7.4	12.9	12.9	14.7	16.6	15.7	16.6	17.5	18.4	18.4
92.5°	48.6	67.7	114.5	185.9	255.6	292.0	243.2	180.8	136.0	108.3	89.8
95°	76.4	115.1	195.1	346.1	566.1	750.2	771.4	682.1	539.4	416.1	326.8
97.5°	92.4	124.8	186.5	311.2	529.8	790.2	969.2	1007.8	954.7	864.7	768.7
100°	105.0	134.4	188.7	292.7	480.5	740.1	975.7	1110.2	1128.5	1083.5	1015.3
102.5°	118.9	146.9	196.1	287.6	447.3	677.5	920.5	1105.0	1196.3	1209.3	1181.0
105°	142.7	169.4	213.6	289.9	418.8	603.9	820.1	1030.9	1190.3	1281.4	1319.1
107.5°	167.2	193.5	234.0	303.6	413.7	562.6	739.2	925.8	1095.4	1223.8	1305.8
110°	184.1	209.0	249.5	313.9	415.2	548.7	698.7	862.5	1021.8	1155.2	1256.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	200.3	225.1	264.2	325.0	419.5	542.0	675.8	816.1	957.0	1083.1	1184.3
115°	225.5	250.4	287.2	342.5	428.0	538.5	654.5	769.5	882.8	990.5	1078.9
117.5°	248.7	274.5	309.5	360.3	437.0	537.6	644.9	746.7	840.4	925.1	1000.1
120°	264.2	289.9	325.0	372.8	443.7	537.6	639.8	736.4	822.0	895.6	961.0
122.5°	279.6	304.7	339.7	384.6	450.4	536.9	633.9	727.5	810.2	877.3	934.5
125°	301.0	326.8	359.9	402.3	460.3	535.8	624.1	712.5	791.6	855.2	905.8
127.5°	320.7	346.7	378.7	417.6	468.2	533.7	611.0	694.0	769.8	833.1	881.1
130°	333.2	359.9	391.3	427.1	474.0	533.0	602.9	679.4	752.1	814.7	863.5
132.5°	345.0	370.3	401.6	436.7	479.2	532.3	595.6	663.8	732.2	793.3	842.1
135°	361.8	385.7	416.1	449.2	487.0	531.2	584.6	642.5	702.3	758.5	804.5
137.5°	376.0	398.8	427.1	458.0	491.5	530.9	575.0	623.2	673.8	721.1	762.7
140°	384.8	406.9	434.5	463.9	495.3	530.2	569.8	612.1	655.4	696.8	735.5
142.5°	392.8	414.2	441.1	468.3	498.2	530.2	565.4	601.8	639.9	675.5	709.0
145°	404.1	424.4	448.3	473.2	499.9	528.4	557.9	587.3	618.6	646.2	672.0
147.5°	414.9	433.2	455.7	477.4	500.7	525.1	551.0	575.4	600.2	622.3	642.5
150°	421.6	439.1	459.3	479.6	500.7	522.8	545.9	568.0	589.1	607.5	624.1
152.5°	428.3	444.3	462.3	481.1	499.3	519.2	540.0	559.8	578.1	595.0	608.6
155°	437.3	451.1	466.7	482.4	497.1	513.7	531.2	547.7	562.4	576.2	587.3
157.5°	445.7	456.6	469.8	482.4	494.7	507.9	522.1	534.6	547.0	558.6	567.4
160°	450.1	460.3	471.3	482.4	492.5	503.5	515.5	526.6	536.6	546.8	554.1
162.5°	454.6	462.5	472.8	482.4	490.3	499.1	509.6	518.4	527.1	535.0	541.6
165°	459.3	464.9	473.2	480.5	486.0	492.5	499.9	507.2	512.7	519.2	523.8
167.5°	462.6	466.9	472.9	478.3	481.6	485.8	491.0	496.4	500.6	505.7	508.5
170°	464.9	467.6	472.2	476.8	478.6	481.4	485.1	489.7	492.5	496.1	498.9
172.5°	466.4	468.3	471.5	475.4	475.7	477.0	480.0	483.8	485.8	488.1	490.0
175°	468.6	468.6	470.4	473.2	472.2	472.2	474.0	475.9	476.8	478.6	478.6
177.5°	468.6	468.6	469.3	470.7	469.3	469.3	470.0	470.7	471.5	471.5	472.2
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

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°	7.3	7.4	7.1	7.1	7.1	7.4	7.3	6.8	6.8	7.0	6.6
90°	19.3	20.3	19.3	19.3	19.3	20.3	19.3	18.4	18.4	17.5	16.6
92.5°	79.0	74.0	70.9	70.9	70.9	74.0	79.0	89.8	108.3	136.0	180.8
95°	281.7	253.2	236.5	224.6	236.5	253.2	281.7	326.8	416.1	539.4	682.1
97.5°	702.5	647.1	619.5	600.4	619.5	647.1	702.5	768.7	864.7	954.7	1007.8
100°	935.3	879.1	851.5	844.1	851.5	879.1	935.3	1015.3	1083.5	1128.5	1110.2
102.5°	1131.9	1091.2	1062.1	1056.2	1062.1	1091.2	1131.9	1181.0	1209.3	1196.3	1105.0
105°	1321.0	1313.6	1300.7	1295.1	1300.7	1313.6	1321.0	1319.1	1281.4	1190.3	1030.9
107.5°	1351.3	1372.3	1381.5	1383.9	1381.5	1372.3	1351.3	1305.8	1223.8	1095.4	925.8
110°	1321.8	1360.5	1377.1	1385.4	1377.1	1360.5	1321.8	1256.5	1155.2	1021.8	862.5



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1258.5	1305.3	1328.5	1342.0	1328.5	1305.3	1258.5	1184.3	1083.1	957.0	816.1
115°	1151.6	1206.8	1236.3	1243.6	1236.3	1206.8	1151.6	1078.9	990.5	882.8	769.5
117.5°	1062.1	1108.5	1138.3	1144.0	1138.3	1108.5	1062.1	1000.1	925.1	840.4	746.7
120°	1013.5	1054.0	1077.9	1088.1	1077.9	1054.0	1013.5	961.0	895.6	822.0	736.4
122.5°	978.9	1013.5	1033.7	1043.9	1033.7	1013.5	978.9	934.5	877.3	810.2	727.5
125°	942.6	969.3	986.8	992.3	986.8	969.3	942.6	905.8	855.2	791.6	712.5
127.5°	918.1	941.9	956.6	962.1	956.6	941.9	918.1	881.1	833.1	769.8	694.0
130°	901.2	924.2	938.9	944.4	938.9	924.2	901.2	863.5	814.7	752.1	679.4
132.5°	879.1	905.1	919.0	924.6	919.0	905.1	879.1	842.1	793.3	732.2	663.8
135°	841.4	867.1	881.9	887.4	881.9	867.1	841.4	804.5	758.5	702.3	642.5
137.5°	797.2	822.6	834.7	841.4	834.7	822.6	797.2	762.7	721.1	673.8	623.2
140°	767.7	788.0	800.8	808.2	800.8	788.0	767.7	735.5	696.8	655.4	612.1
142.5°	737.5	756.3	767.7	772.9	767.7	756.3	737.5	709.0	675.5	639.9	601.8
145°	695.0	710.7	719.9	724.5	719.9	710.7	695.0	672.0	646.2	618.6	587.3
147.5°	659.5	672.9	679.9	681.5	679.9	672.9	659.5	642.5	622.3	600.2	575.4
150°	638.8	650.8	656.3	657.3	656.3	650.8	638.8	624.1	607.5	589.1	568.0
152.5°	621.2	630.9	634.2	635.2	634.2	630.9	621.2	608.6	595.0	578.1	559.8
155°	596.5	603.9	606.7	606.7	606.7	603.9	596.5	587.3	576.2	562.4	547.7
157.5°	574.4	580.0	581.6	581.6	581.6	580.0	574.4	567.4	558.6	547.0	534.6
160°	559.7	565.2	566.1	566.1	566.1	565.2	559.7	554.1	546.8	536.6	526.6
162.5°	545.7	551.2	552.2	551.4	552.2	551.2	545.7	541.6	535.0	527.1	518.4
165°	527.4	531.2	530.2	529.3	530.2	531.2	527.4	523.8	519.2	512.7	507.2
167.5°	510.3	512.7	512.5	511.8	512.5	512.7	510.3	508.5	505.7	500.6	496.4
170°	500.7	501.7	500.7	500.7	500.7	501.7	500.7	498.9	496.1	492.5	489.7
172.5°	491.2	492.1	491.2	489.7	491.2	492.1	491.2	490.0	488.1	485.8	483.8
175°	478.6	480.5	478.6	476.8	478.6	480.5	478.6	478.6	478.6	476.8	475.9
177.5°	471.5	472.2	470.7	469.3	470.7	472.2	471.5	472.2	471.5	471.5	470.7
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

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°	6.4	6.7	6.4	5.9	6.2	5.1	5.2	5.1	5.3	5.2	5.3
90°	15.7	16.6	14.7	12.9	12.9	7.4	7.4	6.4	5.5	2.8	1.0
92.5°	243.2	292.0	255.6	185.9	114.5	67.7	48.6	35.2	23.9	15.3	10.5
95°	771.4	750.2	566.1	346.1	195.1	115.1	76.4	54.3	42.4	33.1	30.3
97.5°	969.2	790.2	529.8	311.2	186.5	124.8	92.4	73.4	62.4	54.5	54.5
100°	975.7	740.1	480.5	292.7	188.7	134.4	105.0	87.5	76.4	69.9	69.9
102.5°	920.5	677.5	447.3	287.6	196.1	146.9	118.9	102.2	91.9	86.2	84.7
105°	820.1	603.9	418.8	289.9	213.6	169.4	142.7	126.1	115.1	110.4	107.7
107.5°	739.2	562.6	413.7	303.6	234.0	193.5	167.2	151.3	139.6	134.9	133.1
110°	698.7	548.7	415.2	313.9	249.5	209.0	184.1	167.5	156.5	151.9	150.0



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	675.8	542.0	419.5	325.0	264.2	225.1	200.3	183.7	173.4	168.1	166.3
115°	654.5	538.5	428.0	342.5	287.2	250.4	225.5	208.0	198.8	192.4	189.6
117.5°	644.9	537.6	437.0	360.3	309.5	274.5	248.7	232.3	222.2	216.5	213.9
120°	639.8	537.6	443.7	372.8	325.0	289.9	264.2	248.5	238.4	232.0	230.1
122.5°	633.9	536.9	450.4	384.6	339.7	304.7	279.6	262.5	253.2	246.7	244.9
125°	624.1	535.8	460.3	402.3	359.9	326.8	301.0	283.5	273.4	267.8	264.2
127.5°	611.0	533.7	468.2	417.6	378.7	346.7	320.7	302.5	290.9	284.2	281.3
130°	602.9	533.0	474.0	427.1	391.3	359.9	333.2	315.8	301.9	294.5	290.9
132.5°	595.6	532.3	479.2	436.7	401.6	370.3	345.0	326.1	313.0	303.4	300.5
135°	584.6	531.2	487.0	449.2	416.1	385.7	361.8	342.5	326.8	317.6	313.9
137.5°	575.0	530.9	491.5	458.0	427.1	398.8	376.0	355.8	341.0	330.8	327.3
140°	569.8	530.2	495.3	463.9	434.5	406.9	384.8	365.4	349.8	339.7	336.9
142.5°	565.4	530.2	498.2	468.3	441.1	414.2	392.8	374.3	359.3	350.0	347.2
145°	557.9	528.4	499.9	473.2	448.3	424.4	404.1	386.6	373.8	364.6	361.8
147.5°	551.0	525.1	500.7	477.4	455.7	433.2	414.9	400.4	387.1	379.1	378.1
150°	545.9	522.8	500.7	479.6	459.3	439.1	421.6	407.8	396.7	389.4	388.5
152.5°	540.0	519.2	499.3	481.1	462.3	444.3	428.3	415.9	405.6	398.2	398.0
155°	531.2	513.7	497.1	482.4	466.7	451.1	437.3	427.1	417.9	412.4	411.5
157.5°	522.1	507.9	494.7	482.4	469.8	456.6	445.7	436.9	429.7	424.5	424.5
160°	515.5	503.5	492.5	482.4	471.3	460.3	450.1	442.8	436.3	432.6	432.6
162.5°	509.6	499.1	490.3	482.4	472.8	462.5	454.6	447.9	442.2	439.3	440.0
165°	499.9	492.5	486.0	480.5	473.2	464.9	459.3	454.7	450.1	448.3	448.3
167.5°	491.0	485.8	481.6	478.3	472.9	466.9	462.6	460.1	456.6	455.7	456.6
170°	485.1	481.4	478.6	476.8	472.2	467.6	464.9	463.0	460.3	459.3	460.3
172.5°	480.0	477.0	475.7	475.4	471.5	468.3	466.4	465.2	463.2	463.0	463.9
175°	474.0	472.2	472.2	473.2	470.4	468.6	468.6	467.6	466.7	466.7	467.6
177.5°	470.0	469.3	469.3	470.7	469.3	468.6	468.6	468.6	467.8	468.6	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

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°	5.5	5.6	5.1	5.2	5.2	6.0	6.2	6.6	6.9	6.6	7.1
90°	2.8	5.5	6.4	7.4	7.4	12.9	12.9	14.7	16.6	15.7	16.6
92.5°	15.3	23.9	35.2	48.6	67.7	114.5	185.9	255.6	292.0	243.2	180.8
95°	33.1	42.4	54.3	76.4	115.1	195.1	346.1	566.1	750.2	771.4	682.1
97.5°	54.5	62.4	73.4	92.4	124.8	186.5	311.2	529.8	790.2	969.2	1007.8
100°	69.9	76.4	87.5	105.0	134.4	188.7	292.7	480.5	740.1	975.7	1110.2
102.5°	86.2	91.9	102.2	118.9	146.9	196.1	287.6	447.3	677.5	920.5	1105.0
105°	110.4	115.1	126.1	142.7	169.4	213.6	289.9	418.8	603.9	820.1	1030.9
107.5°	134.9	139.6	151.3	167.2	193.5	234.0	303.6	413.7	562.6	739.2	925.8
110°	151.9	156.5	167.5	184.1	209.0	249.5	313.9	415.2	548.7	698.7	862.5



TEST NUMBER: P332891-927

CATALOG NUMBER: S124RDIP-S350D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.1	173.4	183.7	200.3	225.1	264.2	325.0	419.5	542.0	675.8	816.1
115°	192.4	198.8	208.0	225.5	250.4	287.2	342.5	428.0	538.5	654.5	769.5
117.5°	216.5	222.2	232.3	248.7	274.5	309.5	360.3	437.0	537.6	644.9	746.7
120°	232.0	238.4	248.5	264.2	289.9	325.0	372.8	443.7	537.6	639.8	736.4
122.5°	246.7	253.2	262.5	279.6	304.7	339.7	384.6	450.4	536.9	633.9	727.5
125°	267.8	273.4	283.5	301.0	326.8	359.9	402.3	460.3	535.8	624.1	712.5
127.5°	284.2	290.9	302.5	320.7	346.7	378.7	417.6	468.2	533.7	611.0	694.0
130°	294.5	301.9	315.8	333.2	359.9	391.3	427.1	474.0	533.0	602.9	679.4
132.5°	303.4	313.0	326.1	345.0	370.3	401.6	436.7	479.2	532.3	595.6	663.8
135°	317.6	326.8	342.5	361.8	385.7	416.1	449.2	487.0	531.2	584.6	642.5
137.5°	330.8	341.0	355.8	376.0	398.8	427.1	458.0	491.5	530.9	575.0	623.2
140°	339.7	349.8	365.4	384.8	406.9	434.5	463.9	495.3	530.2	569.8	612.1
142.5°	350.0	359.3	374.3	392.8	414.2	441.1	468.3	498.2	530.2	565.4	601.8
145°	364.6	373.8	386.6	404.1	424.4	448.3	473.2	499.9	528.4	557.9	587.3
147.5°	379.1	387.1	400.4	414.9	433.2	455.7	477.4	500.7	525.1	551.0	575.4
150°	389.4	396.7	407.8	421.6	439.1	459.3	479.6	500.7	522.8	545.9	568.0
152.5°	398.2	405.6	415.9	428.3	444.3	462.3	481.1	499.3	519.2	540.0	559.8
155°	412.4	417.9	427.1	437.3	451.1	466.7	482.4	497.1	513.7	531.2	547.7
157.5°	424.5	429.7	436.9	445.7	456.6	469.8	482.4	494.7	507.9	522.1	534.6
160°	432.6	436.3	442.8	450.1	460.3	471.3	482.4	492.5	503.5	515.5	526.6
162.5°	439.3	442.2	447.9	454.6	462.5	472.8	482.4	490.3	499.1	509.6	518.4
165°	448.3	450.1	454.7	459.3	464.9	473.2	480.5	486.0	492.5	499.9	507.2
167.5°	455.7	456.6	460.1	462.6	466.9	472.9	478.3	481.6	485.8	491.0	496.4
170°	459.3	460.3	463.0	464.9	467.6	472.2	476.8	478.6	481.4	485.1	489.7
172.5°	463.0	463.2	465.2	466.4	468.3	471.5	475.4	475.7	477.0	480.0	483.8
175°	466.7	466.7	467.6	468.6	468.6	470.4	473.2	472.2	472.2	474.0	475.9
177.5°	468.6	467.8	468.6	468.6	468.6	469.3	470.7	469.3	469.3	470.0	470.7
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



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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°	7.0	7.0	7.1	7.1	7.4	7.1	7.1
90°	17.5	18.4	18.4	19.3	20.3	19.3	19.3
92.5°	136.0	108.3	89.8	79.0	74.0	70.9	70.9
95°	539.4	416.1	326.8	281.7	253.2	236.5	224.6
97.5°	954.7	864.7	768.7	702.5	647.1	619.5	600.4
100°	1128.5	1083.5	1015.3	935.3	879.1	851.5	844.1
102.5°	1196.3	1209.3	1181.0	1131.9	1091.2	1062.1	1056.2
105°	1190.3	1281.4	1319.1	1321.0	1313.6	1300.7	1295.1
107.5°	1095.4	1223.8	1305.8	1351.3	1372.3	1381.5	1383.9
110°	1021.8	1155.2	1256.5	1321.8	1360.5	1377.1	1385.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	957.0	1083.1	1184.3	1258.5	1305.3	1328.5	1342.0
115°	882.8	990.5	1078.9	1151.6	1206.8	1236.3	1243.6
117.5°	840.4	925.1	1000.1	1062.1	1108.5	1138.3	1144.0
120°	822.0	895.6	961.0	1013.5	1054.0	1077.9	1088.1
122.5°	810.2	877.3	934.5	978.9	1013.5	1033.7	1043.9
125°	791.6	855.2	905.8	942.6	969.3	986.8	992.3
127.5°	769.8	833.1	881.1	918.1	941.9	956.6	962.1
130°	752.1	814.7	863.5	901.2	924.2	938.9	944.4
132.5°	732.2	793.3	842.1	879.1	905.1	919.0	924.6
135°	702.3	758.5	804.5	841.4	867.1	881.9	887.4
137.5°	673.8	721.1	762.7	797.2	822.6	834.7	841.4
140°	655.4	696.8	735.5	767.7	788.0	800.8	808.2
142.5°	639.9	675.5	709.0	737.5	756.3	767.7	772.9
145°	618.6	646.2	672.0	695.0	710.7	719.9	724.5
147.5°	600.2	622.3	642.5	659.5	672.9	679.9	681.5
150°	589.1	607.5	624.1	638.8	650.8	656.3	657.3
152.5°	578.1	595.0	608.6	621.2	630.9	634.2	635.2
155°	562.4	576.2	587.3	596.5	603.9	606.7	606.7
157.5°	547.0	558.6	567.4	574.4	580.0	581.6	581.6
160°	536.6	546.8	554.1	559.7	565.2	566.1	566.1
162.5°	527.1	535.0	541.6	545.7	551.2	552.2	551.4
165°	512.7	519.2	523.8	527.4	531.2	530.2	529.3
167.5°	500.6	505.7	508.5	510.3	512.7	512.5	511.8
170°	492.5	496.1	498.9	500.7	501.7	500.7	500.7
172.5°	485.8	488.1	490.0	491.2	492.1	491.2	489.7
175°	476.8	478.6	478.6	478.6	480.5	478.6	476.8
177.5°	471.5	471.5	472.2	471.5	472.2	470.7	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6

(END OF REPORT)