

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: P332276-927

Luminaire Tested: **S123RDIP-S560D585U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332276-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D585U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3621.1 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

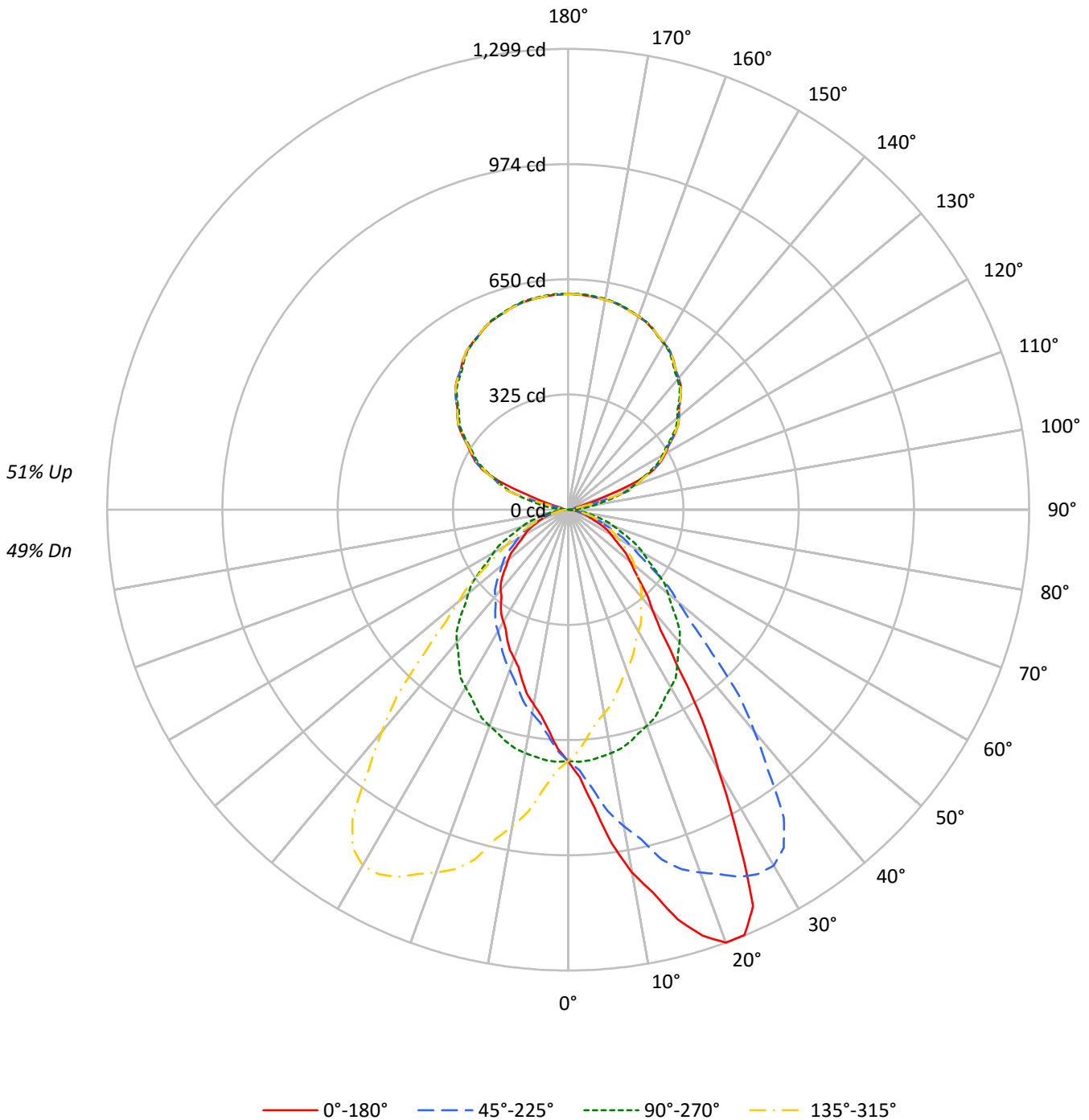
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	98	94	90	87	90	87	84	81	73	71	69	61	59	58	49	48	48	42
2	90	83	77	72	83	77	71	67	65	61	58	54	52	49	44	42	41	36
3	82	73	66	61	76	68	62	57	58	53	49	48	45	42	40	37	35	31
4	75	65	58	52	69	60	54	49	52	47	43	43	40	37	36	33	31	27
5	69	58	50	45	64	54	47	42	46	41	37	39	35	32	33	30	27	24
6	64	52	45	39	59	49	42	37	42	37	33	36	32	28	30	27	24	21
7	59	48	40	34	55	44	37	33	38	33	29	33	28	25	27	24	22	19
8	55	43	36	31	51	40	34	29	35	30	26	30	26	23	25	22	20	17
9	51	40	32	27	48	37	30	26	32	27	23	28	23	21	23	20	18	16
10	48	36	29	25	44	34	28	23	30	25	21	26	21	19	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7629	7629	7629	7629
5°	9095	7662	6748	7662
10°	11355	7618	6096	7618
15°	13329	7540	5558	7540
20°	14875	7424	5102	7424
25°	14638	7301	4822	7301
30°	10521	7188	4533	7188
35°	7025	7041	4346	7041
40°	5176	6864	4154	6864
45°	4341	6555	3962	6555
50°	3831	6149	3699	6149
55°	3359	5684	3337	5684
60°	2990	5240	3057	5240
65°	2626	4760	2845	4760
70°	2061	4337	2596	4337
75°	1817	3785	2371	3785
80°	1581	3217	2331	3217
85°	1272	2581	2470	2581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	1.9
10°-20°	217.8	6.0
20°-30°	342.1	9.4
30°-40°	356.9	9.9
40°-50°	305.5	8.4
50°-60°	232.8	6.4
60°-70°	149.2	4.1
70°-80°	71.8	2.0
80°-90°	20.7	0.6
90°-100°	22.1	0.6
100°-110°	105.4	2.9
110°-120°	253.1	7.0
120°-130°	322.3	8.9
130°-140°	344.4	9.5
140°-150°	322.0	8.9
150°-160°	259.8	7.2
160°-170°	167.7	4.6
170°-180°	57.8	1.6
0°-30°	629.6	17.4
0°-40°	986.5	27.2
0°-60°	1524.8	42.1
0°-90°	1766.5	48.8
90°-120°	380.6	10.5
90°-150°	1369.4	37.8
90°-180°	1855.0	51.2
0°-180°	3621.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	842	709	624	709	842	87
15°	1196	677	499	677	1196	339
25°	1232	615	406	615	1232	530
35°	535	536	331	536	535	351
45°	285	431	260	431	285	224
55°	179	303	178	303	179	162
65°	103	187	112	187	103	101
75°	44	91	57	91	44	47
85°	10	21	20	21	10	12
90°	14	0	14	0	14	6
95°	17	28	17	28	17	14
105°	20	135	20	135	20	45
115°	266	252	266	252	266	246
125°	363	356	363	356	363	324
135°	448	443	448	443	448	345
145°	516	511	516	511	516	322
155°	562	563	562	563	562	259
165°	593	594	593	594	593	167
175°	606	608	606	608	606	58
180°	608	608	608	608	608	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	754.9	755.9	752.7	752.3	748.6	747.7	747.7	742.5	739.3	735.2	732.8
5°	841.7	846.5	844.1	838.7	829.6	827.4	821.7	812.5	802.2	789.5	783.5
7.5°	950.1	956.7	954.1	945.7	936.2	928.4	912.2	897.1	875.9	857.4	841.5
10°	1038.9	1031.9	1026.5	1018.3	1009.5	995.2	978.3	954.9	927.9	906.7	883.0
12.5°	1105.4	1104.3	1097.3	1088.9	1076.5	1063.0	1042.0	1013.6	982.2	951.5	924.5
15°	1196.1	1197.9	1193.3	1184.6	1167.0	1143.0	1111.4	1099.6	1054.7	1021.3	987.9
17.5°	1258.9	1258.5	1257.8	1245.6	1227.7	1210.6	1181.4	1150.2	1109.6	1062.6	1017.6
20°	1298.6	1295.6	1296.2	1282.5	1269.2	1249.5	1221.0	1175.8	1142.4	1088.1	1041.6
22.5°	1297.7	1297.0	1299.3	1294.7	1285.0	1269.9	1247.4	1209.3	1166.6	1111.8	1059.6
25°	1232.5	1230.1	1244.4	1248.2	1263.8	1266.5	1259.8	1238.9	1198.5	1142.1	1077.4
27.5°	1031.5	1030.2	1056.6	1089.7	1131.8	1164.4	1196.0	1211.2	1198.5	1158.1	1093.4
30°	846.5	875.0	888.4	936.4	989.8	1053.4	1109.3	1162.4	1175.4	1157.9	1104.8
32.5°	702.8	727.7	738.9	780.1	829.8	904.4	988.2	1063.3	1116.5	1130.0	1098.0
35°	534.6	535.0	560.4	578.6	624.7	701.5	782.8	883.5	983.7	1059.5	1067.5
37.5°	426.6	428.1	443.5	461.7	496.3	536.9	608.5	692.2	807.9	924.3	992.6
40°	368.4	371.1	382.6	400.5	425.4	456.1	511.9	590.7	687.2	816.8	922.7
42.5°	331.0	335.4	341.4	355.1	370.5	399.3	444.4	505.3	593.0	715.6	837.7
45°	285.2	287.6	292.2	298.6	312.5	332.6	362.9	403.9	476.7	575.3	697.6
47.5°	251.6	250.3	255.1	260.3	269.6	283.2	303.6	337.0	389.0	468.0	571.8
50°	228.8	228.5	231.8	235.8	244.5	254.6	271.2	296.4	337.7	403.2	498.2
52.5°	207.4	208.6	211.0	215.9	222.2	230.3	245.3	263.4	298.9	355.5	434.6
55°	179.0	179.9	183.2	186.0	190.5	198.8	208.2	223.3	247.6	287.0	352.3
57.5°	155.0	154.6	157.8	158.4	163.6	170.2	177.5	189.3	206.9	236.2	280.2
60°	138.9	138.1	140.8	142.9	145.6	151.1	157.2	168.7	182.7	204.2	241.9
62.5°	124.4	124.0	126.0	128.1	130.3	135.3	140.5	149.2	160.3	178.5	208.3
65°	103.1	104.1	105.0	105.9	107.1	110.1	115.0	121.0	128.7	141.4	163.0
67.5°	81.0	82.0	82.3	84.1	86.7	88.6	91.7	97.0	102.3	113.0	125.3
70°	65.5	65.2	65.5	66.5	69.8	73.1	77.1	81.0	84.4	92.0	102.3
72.5°	56.3	55.8	56.6	56.7	58.4	59.3	61.8	65.5	69.8	74.9	82.4
75°	43.7	43.7	43.7	43.7	44.9	45.6	46.4	47.4	48.9	51.3	56.7
77.5°	32.3	32.3	32.8	33.0	33.4	33.7	34.2	35.2	35.6	37.0	39.3
80°	25.5	25.8	25.5	25.8	25.8	26.4	26.7	27.6	27.9	29.5	30.3
82.5°	19.2	19.0	19.2	19.5	19.5	20.1	20.1	20.8	20.9	21.6	22.6
85°	10.3	9.7	10.3	10.0	10.6	10.0	10.3	10.9	10.9	11.2	12.4
87.5°	5.1	5.5	5.1	5.2	5.2	5.4	5.3	5.2	5.6	5.3	5.3
90°	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6	11.2	10.9	9.5
92.5°	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8	12.2	11.6	10.6
95°	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4	14.7	14.0	12.9
97.5°	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2	15.4	14.6	21.8
100°	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5	15.7	14.9	30.6
102.5°	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7	27.3	29.7	46.8
105°	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4	81.2	98.9	108.0
107.5°	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3	168.3	181.3	179.9
110°	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2	200.4	203.7	202.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6	226.6	226.6	225.5
115°	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3	260.4	259.4	258.4
117.5°	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8	292.0	291.1	290.7
120°	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4	312.6	311.7	311.5
122.5°	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5	333.0	332.4	332.0
125°	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9	361.6	361.5	361.1
127.5°	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3	390.0	389.7	389.2
130°	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4	407.0	406.6	406.2
132.5°	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7	423.3	422.9	422.6
135°	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4	448.1	447.7	447.3
137.5°	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3	469.8	469.4	469.1
140°	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3	483.9	483.5	483.2
142.5°	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5	497.2	496.9	496.5
145°	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9	515.7	515.6	515.3
147.5°	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5	532.3	532.1	531.9
150°	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6	542.4	542.2	542.0
152.5°	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6	551.2	550.9	550.7
155°	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0	563.5	563.0	562.8
157.5°	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7	574.2	573.5	573.6
160°	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9	580.3	579.7	579.8
162.5°	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5	585.8	585.1	585.2
165°	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0	593.2	592.3	592.5
167.5°	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8	599.0	598.1	598.1
170°	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0	602.2	601.3	601.3
172.5°	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1	604.4	603.6	603.5
175°	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8	607.0	606.3	606.3
177.5°	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7	608.1	607.4	607.4
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	731.8	731.1	727.7	723.8	718.7	715.3	712.6	711.2	706.9	701.5	697.8
5°	777.1	767.9	758.3	746.4	735.5	724.3	717.3	709.1	699.1	687.9	679.9
7.5°	825.5	807.6	788.4	768.6	748.9	731.3	715.8	702.5	686.6	670.5	659.2
10°	862.6	836.5	809.5	781.9	756.7	733.1	714.9	697.0	677.9	659.3	645.4
12.5°	896.4	862.1	830.9	796.9	764.8	736.5	710.3	689.2	666.2	646.5	630.6
15°	939.1	903.9	866.3	814.7	771.9	736.1	704.3	676.6	648.7	624.5	609.0
17.5°	979.0	926.1	875.5	832.4	776.9	732.1	693.2	660.2	629.6	603.9	584.8
20°	995.5	944.3	889.3	834.4	779.8	729.8	684.5	648.1	616.2	587.1	569.5
22.5°	1005.4	947.4	889.5	830.5	772.5	720.5	675.8	635.7	601.2	573.5	551.8
25°	1017.1	947.8	884.2	825.9	766.8	710.3	657.2	614.7	577.4	548.0	524.9
27.5°	1024.7	943.3	868.0	803.3	743.2	687.1	638.4	593.3	555.5	524.3	499.6
30°	1026.2	939.7	855.6	785.5	724.5	673.0	621.4	578.3	538.3	505.2	482.1
32.5°	1028.1	930.7	838.9	764.5	702.0	650.9	604.2	563.0	522.0	489.4	465.9
35°	1020.1	925.7	813.5	727.9	665.4	615.9	573.8	535.8	495.5	463.9	440.0
37.5°	985.6	906.0	787.1	686.7	621.4	575.6	541.2	508.2	471.2	437.1	414.5
40°	950.9	886.6	766.8	661.8	593.5	546.4	515.5	488.5	452.7	420.8	396.6
42.5°	899.2	860.2	747.3	635.6	561.9	516.6	490.5	465.2	433.8	401.4	378.6
45°	804.4	809.5	707.6	593.8	518.2	472.7	448.1	430.6	402.7	376.0	352.6
47.5°	685.4	733.6	660.9	549.3	472.2	429.4	408.0	392.6	373.8	347.6	326.3
50°	607.8	676.6	623.5	519.4	443.3	400.8	379.6	367.2	350.8	330.1	309.8
52.5°	536.1	610.1	578.4	486.2	412.0	373.1	352.4	342.1	329.2	309.7	291.4
55°	437.2	512.1	504.9	436.0	365.0	330.1	314.3	302.9	294.0	279.5	264.9
57.5°	353.6	424.7	428.5	380.2	323.6	289.1	275.6	266.9	261.1	250.2	236.7
60°	301.0	366.2	379.0	342.5	294.0	263.6	250.3	243.4	238.8	230.0	219.7
62.5°	257.3	312.8	327.3	301.0	265.6	237.2	226.8	220.1	217.0	209.4	200.3
65°	196.9	243.0	257.0	242.4	223.9	201.1	192.7	186.9	184.2	179.9	173.3
67.5°	148.1	181.7	197.0	186.7	180.1	165.6	160.3	157.2	154.7	151.9	146.2
70°	118.9	143.9	159.6	156.9	151.4	143.9	139.9	137.8	135.3	132.9	128.0
72.5°	95.6	112.7	127.5	129.0	124.5	122.9	119.5	118.6	117.1	114.2	111.5
75°	63.5	75.3	85.6	89.5	91.3	92.8	91.3	91.0	90.7	88.3	86.7
77.5°	41.6	47.9	54.4	61.2	64.0	66.1	66.5	67.7	66.9	65.6	64.9
80°	31.8	33.4	37.9	43.7	48.2	50.1	51.3	51.9	51.6	51.3	50.1
82.5°	23.1	24.4	26.5	30.6	34.4	37.5	38.2	38.0	38.7	38.9	37.9
85°	12.4	12.8	13.4	13.9	16.1	19.4	20.4	20.9	21.5	21.5	19.7
87.5°	5.5	5.0	5.2	5.0	5.5	5.6	6.8	7.8	8.3	7.5	7.8
90°	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5	1.4	2.5	3.5
92.5°	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4	8.2	7.8	7.5
95°	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6	23.4	19.3	15.2
97.5°	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4	53.6	51.7	49.8
100°	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4	78.3	80.4	82.4
102.5°	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2	101.6	103.1	104.6
105°	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7	135.8	136.9	137.9
107.5°	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0	171.8	172.8	173.6
110°	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2	196.0	196.8	197.6



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3	219.0	219.8	220.5
115°	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5	253.2	253.7	254.4
117.5°	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7	286.5	287.2	288.0
120°	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3	307.2	308.2	309.0
122.5°	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3	328.0	328.8	329.5
125°	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0	356.9	357.7	358.5
127.5°	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9	384.7	385.5	386.3
130°	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2	402.0	402.8	403.6
132.5°	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9	418.7	419.5	420.3
135°	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2	443.9	444.4	445.0
137.5°	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9	465.7	466.4	467.2
140°	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3	480.0	480.6	481.2
142.5°	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7	493.4	494.0	494.6
145°	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4	512.1	512.9	513.6
147.5°	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1	529.6	530.0	530.4
150°	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0	540.3	540.5	540.8
152.5°	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7	549.9	549.9	550.1
155°	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4	563.2	563.0	562.8
157.5°	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1	574.1	574.0	574.0
160°	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6	580.5	580.4	580.3
162.5°	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8	586.5	586.2	586.0
165°	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1	593.8	593.6	593.3
167.5°	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9	599.5	599.1	598.7
170°	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2	602.8	602.4	602.0
172.5°	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4	604.9	604.4	603.9
175°	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2	607.7	607.1	606.7
177.5°	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9	608.5	608.1	607.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	696.6	693.5	691.3	686.4	683.3	679.9	676.5	678.7	678.4	678.2	678.2
5°	673.3	666.3	660.0	651.7	646.6	640.2	635.3	634.8	636.0	631.7	629.3
7.5°	650.1	640.6	631.5	622.5	612.9	605.2	600.5	598.3	595.2	592.6	589.8
10°	633.8	622.7	613.8	602.6	592.3	583.2	577.4	573.5	571.3	569.2	565.3
12.5°	617.1	606.1	594.8	582.2	572.4	561.8	557.5	553.1	549.0	546.6	541.2
15°	592.6	578.3	566.5	553.1	542.2	531.9	525.9	517.1	515.8	512.8	507.3
17.5°	568.0	552.5	536.2	526.3	514.0	503.3	494.0	491.1	482.4	479.1	474.4
20°	548.6	534.3	521.9	508.8	490.9	480.9	473.6	469.7	462.7	458.4	455.4
22.5°	531.9	517.3	503.0	487.7	472.9	461.8	456.4	450.3	446.5	440.5	437.2
25°	507.9	492.2	474.8	458.4	447.8	439.3	430.9	425.4	419.9	417.2	411.1
27.5°	480.1	463.7	447.5	435.1	422.0	413.6	405.9	401.1	394.5	389.9	386.6
30°	464.9	445.4	431.5	420.3	403.5	395.7	389.9	383.8	379.0	374.1	370.7
32.5°	447.1	429.4	416.1	402.3	389.4	380.9	373.4	368.0	363.9	359.3	356.0
35°	419.3	404.5	390.8	376.8	367.4	358.6	349.8	345.3	341.4	337.1	334.1
37.5°	394.2	380.3	367.3	354.1	342.5	335.3	328.2	324.7	319.4	316.6	313.5
40°	378.7	365.0	351.1	338.3	326.1	320.8	314.3	309.2	304.4	302.2	298.9
42.5°	361.7	348.0	336.3	322.5	312.6	305.1	299.3	293.7	290.0	286.9	285.0
45°	336.5	324.3	312.8	299.2	289.8	283.4	276.7	271.6	268.2	266.1	262.8
47.5°	312.0	299.9	288.2	276.3	267.2	259.9	253.3	249.6	245.3	242.6	240.3
50°	294.3	283.4	270.9	260.0	251.0	243.7	238.2	233.6	229.7	226.3	224.8
52.5°	278.1	266.4	255.6	245.5	235.9	227.6	222.7	217.9	214.9	211.0	209.3
55°	251.2	240.0	230.9	220.9	211.5	204.5	198.4	194.2	191.2	186.9	184.5
57.5°	226.0	215.9	205.1	196.5	186.7	180.9	175.8	170.0	166.4	163.0	160.7
60°	209.1	197.5	188.1	179.9	171.4	163.8	159.3	154.7	150.8	147.4	145.4
62.5°	191.3	181.3	172.4	163.4	155.7	149.0	143.8	139.9	136.5	134.4	132.2
65°	164.1	156.3	147.2	139.9	132.6	127.8	123.5	120.2	117.7	116.2	114.4
67.5°	139.2	131.5	123.6	116.4	111.5	107.8	105.0	102.2	101.0	99.0	97.8
70°	122.9	115.0	108.1	102.6	97.7	95.0	93.2	91.0	89.8	87.4	86.2
72.5°	105.2	99.5	94.4	89.9	86.0	83.6	81.3	78.7	76.7	74.1	72.8
75°	82.9	77.7	73.8	70.7	68.3	65.0	61.6	58.9	58.0	57.0	56.7
77.5°	61.3	58.1	55.2	52.7	49.7	47.2	46.5	45.9	45.7	45.2	45.2
80°	48.2	45.2	43.1	40.1	38.3	38.3	38.3	37.6	37.9	37.9	37.9
82.5°	35.9	33.0	31.9	30.8	30.5	30.7	30.7	30.8	30.7	31.1	30.9
85°	18.5	18.8	19.4	19.1	19.4	19.4	20.0	19.7	20.0	19.4	20.0
87.5°	7.7	8.6	9.2	9.7	10.1	10.1	10.5	10.6	10.9	11.0	11.0
90°	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6	12.0	12.4	12.8
92.5°	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8	13.5	14.1	14.5
95°	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4	16.1	16.8	17.2
97.5°	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2	17.0	17.7	18.2
100°	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5	17.3	18.1	18.5
102.5°	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7	22.3	19.8	18.6
105°	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4	45.6	27.9	19.1
107.5°	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3	142.3	129.2	116.1
110°	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2	193.8	190.5	181.6



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6	226.7	226.8	225.3
115°	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3	262.4	263.4	264.0
117.5°	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8	293.6	294.4	294.9
120°	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4	314.2	315.0	315.4
122.5°	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5	334.1	334.6	334.9
125°	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9	362.0	362.3	362.5
127.5°	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3	390.6	390.9	391.0
130°	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4	407.8	408.2	408.4
132.5°	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7	424.1	424.5	424.6
135°	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4	448.7	448.9	448.9
137.5°	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3	470.8	471.3	471.4
140°	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3	484.7	485.1	485.1
142.5°	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5	497.8	498.1	498.1
145°	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9	516.1	516.3	516.4
147.5°	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5	532.7	532.9	532.7
150°	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6	542.8	543.0	543.0
152.5°	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6	551.9	552.3	552.2
155°	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0	564.5	565.0	564.9
157.5°	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7	575.4	576.0	575.8
160°	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9	581.5	582.1	582.0
162.5°	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5	587.2	587.9	587.9
165°	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0	594.8	595.6	595.6
167.5°	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8	600.6	601.3	601.3
170°	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0	603.8	604.6	604.6
172.5°	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1	605.9	606.7	606.7
175°	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8	608.5	609.2	609.1
177.5°	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7	609.3	610.0	609.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	675.3	675.0	675.3	674.3	675.3	675.0	675.3	678.2	678.2	678.4	678.7
5°	628.4	628.0	627.2	624.5	627.2	628.0	628.4	629.3	631.7	636.0	634.8
7.5°	587.4	587.0	584.3	584.4	584.3	587.0	587.4	589.8	592.6	595.2	598.3
10°	563.2	563.5	559.8	557.7	559.8	563.5	563.2	565.3	569.2	571.3	573.5
12.5°	539.6	538.2	535.3	532.9	535.3	538.2	539.6	541.2	546.6	549.0	553.1
15°	508.5	505.5	498.2	498.8	498.2	505.5	508.5	507.3	512.8	515.8	517.1
17.5°	471.9	469.7	469.6	465.3	469.6	469.7	471.9	474.4	479.1	482.4	491.1
20°	450.6	449.1	449.6	445.4	449.6	449.1	450.6	455.4	458.4	462.7	469.7
22.5°	433.8	432.3	429.8	428.4	429.8	432.3	433.8	437.2	440.5	446.5	450.3
25°	409.3	406.9	404.5	406.0	404.5	406.9	409.3	411.1	417.2	419.9	425.4
27.5°	384.8	382.9	380.6	380.2	380.6	382.9	384.8	386.6	389.9	394.5	401.1
30°	369.2	367.4	366.2	364.7	366.2	367.4	369.2	370.7	374.1	379.0	383.8
32.5°	353.5	353.2	350.9	350.6	350.9	353.2	353.5	356.0	359.3	363.9	368.0
35°	332.9	331.1	330.4	330.7	330.4	331.1	332.9	334.1	337.1	341.4	345.3
37.5°	313.2	310.9	309.7	308.6	309.7	310.9	313.2	313.5	316.6	319.4	324.7
40°	299.2	296.8	296.1	295.6	296.1	296.8	299.2	298.9	302.2	304.4	309.2
42.5°	283.4	282.4	282.1	281.0	282.1	282.4	283.4	285.0	286.9	290.0	293.7
45°	261.8	261.6	259.8	260.3	259.8	261.6	261.8	262.8	266.1	268.2	271.6
47.5°	239.2	237.8	236.5	237.4	236.5	237.8	239.2	240.3	242.6	245.3	249.6
50°	223.6	223.0	220.3	220.9	220.3	223.0	223.6	224.8	226.3	229.7	233.6
52.5°	208.1	205.8	204.8	204.4	204.8	205.8	208.1	209.3	211.0	214.9	217.9
55°	182.4	179.6	178.4	177.8	178.4	179.6	182.4	184.5	186.9	191.2	194.2
57.5°	157.1	156.4	155.4	156.1	155.4	156.4	157.1	160.7	163.0	166.4	170.0
60°	142.3	142.3	142.3	142.0	142.3	142.3	142.3	145.4	147.4	150.8	154.7
62.5°	130.9	130.2	129.9	130.3	129.9	130.2	130.9	132.2	134.4	136.5	139.9
65°	113.4	113.2	111.9	111.7	111.9	113.2	113.4	114.4	116.2	117.7	120.2
67.5°	97.0	95.9	95.6	95.1	95.6	95.9	97.0	97.8	99.0	101.0	102.2
70°	84.7	84.1	82.2	82.5	82.2	84.1	84.7	86.2	87.4	89.8	91.0
72.5°	71.3	70.7	70.3	69.9	70.3	70.7	71.3	72.8	74.1	76.7	78.7
75°	56.4	56.2	55.8	57.0	55.8	56.2	56.4	56.7	57.0	58.0	58.9
77.5°	45.2	45.2	45.4	44.9	45.4	45.2	45.2	45.2	45.2	45.7	45.9
80°	37.9	37.9	37.6	37.6	37.6	37.9	37.9	37.9	37.9	37.9	37.6
82.5°	30.4	30.7	30.8	30.3	30.8	30.7	30.4	30.9	31.1	30.7	30.8
85°	20.0	19.7	20.4	20.0	20.4	19.7	20.0	20.0	19.4	20.0	19.7
87.5°	11.6	11.1	11.2	11.5	11.2	11.1	11.6	11.0	11.0	10.9	10.6
90°	13.0	13.2	13.4	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6
92.5°	14.7	14.7	14.9	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8
95°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4
97.5°	18.3	18.4	18.5	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2
100°	18.7	18.8	18.9	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5
102.5°	18.8	19.0	19.2	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7
105°	19.3	19.5	19.6	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4
107.5°	102.6	89.2	75.8	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3
110°	167.3	153.0	138.6	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	222.3	219.2	216.2	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6
115°	264.4	264.9	265.3	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3
117.5°	294.9	295.0	295.1	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8
120°	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4
122.5°	335.0	335.1	335.2	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5
125°	362.7	362.9	363.1	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9
127.5°	390.8	390.6	390.4	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3
130°	408.1	408.0	407.7	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4
132.5°	424.3	424.0	423.7	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7
135°	448.7	448.4	448.1	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4
137.5°	471.2	471.0	470.8	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3
140°	485.0	484.7	484.6	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3
142.5°	497.9	497.6	497.3	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5
145°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9
147.5°	532.3	531.8	531.4	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5
150°	542.6	542.3	542.0	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6
152.5°	551.8	551.4	550.9	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6
155°	564.4	563.7	563.2	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0
157.5°	575.0	574.3	573.5	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7
160°	581.4	580.7	580.0	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9
162.5°	587.2	586.6	586.0	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5
165°	594.9	594.2	593.5	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0
167.5°	600.6	599.8	599.0	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8
170°	603.8	603.0	602.2	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0
172.5°	605.9	605.0	604.0	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1
175°	608.3	607.5	606.7	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8
177.5°	609.1	608.3	607.5	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	676.5	679.9	683.3	686.4	691.3	693.5	696.6	697.8	701.5	706.9	711.2
5°	635.3	640.2	646.6	651.7	660.0	666.3	673.3	679.9	687.9	699.1	709.1
7.5°	600.5	605.2	612.9	622.5	631.5	640.6	650.1	659.2	670.5	686.6	702.5
10°	577.4	583.2	592.3	602.6	613.8	622.7	633.8	645.4	659.3	677.9	697.0
12.5°	557.5	561.8	572.4	582.2	594.8	606.1	617.1	630.6	646.5	666.2	689.2
15°	525.9	531.9	542.2	553.1	566.5	578.3	592.6	609.0	624.5	648.7	676.6
17.5°	494.0	503.3	514.0	526.3	536.2	552.5	568.0	584.8	603.9	629.6	660.2
20°	473.6	480.9	490.9	508.8	521.9	534.3	548.6	569.5	587.1	616.2	648.1
22.5°	456.4	461.8	472.9	487.7	503.0	517.3	531.9	551.8	573.5	601.2	635.7
25°	430.9	439.3	447.8	458.4	474.8	492.2	507.9	524.9	548.0	577.4	614.7
27.5°	405.9	413.6	422.0	435.1	447.5	463.7	480.1	499.6	524.3	555.5	593.3
30°	389.9	395.7	403.5	420.3	431.5	445.4	464.9	482.1	505.2	538.3	578.3
32.5°	373.4	380.9	389.4	402.3	416.1	429.4	447.1	465.9	489.4	522.0	563.0
35°	349.8	358.6	367.4	376.8	390.8	404.5	419.3	440.0	463.9	495.5	535.8
37.5°	328.2	335.3	342.5	354.1	367.3	380.3	394.2	414.5	437.1	471.2	508.2
40°	314.3	320.8	326.1	338.3	351.1	365.0	378.7	396.6	420.8	452.7	488.5
42.5°	299.3	305.1	312.6	322.5	336.3	348.0	361.7	378.6	401.4	433.8	465.2
45°	276.7	283.4	289.8	299.2	312.8	324.3	336.5	352.6	376.0	402.7	430.6
47.5°	253.3	259.9	267.2	276.3	288.2	299.9	312.0	326.3	347.6	373.8	392.6
50°	238.2	243.7	251.0	260.0	270.9	283.4	294.3	309.8	330.1	350.8	367.2
52.5°	222.7	227.6	235.9	245.5	255.6	266.4	278.1	291.4	309.7	329.2	342.1
55°	198.4	204.5	211.5	220.9	230.9	240.0	251.2	264.9	279.5	294.0	302.9
57.5°	175.8	180.9	186.7	196.5	205.1	215.9	226.0	236.7	250.2	261.1	266.9
60°	159.3	163.8	171.4	179.9	188.1	197.5	209.1	219.7	230.0	238.8	243.4
62.5°	143.8	149.0	155.7	163.4	172.4	181.3	191.3	200.3	209.4	217.0	220.1
65°	123.5	127.8	132.6	139.9	147.2	156.3	164.1	173.3	179.9	184.2	186.9
67.5°	105.0	107.8	111.5	116.4	123.6	131.5	139.2	146.2	151.9	154.7	157.2
70°	93.2	95.0	97.7	102.6	108.1	115.0	122.9	128.0	132.9	135.3	137.8
72.5°	81.3	83.6	86.0	89.9	94.4	99.5	105.2	111.5	114.2	117.1	118.6
75°	61.6	65.0	68.3	70.7	73.8	77.7	82.9	86.7	88.3	90.7	91.0
77.5°	46.5	47.2	49.7	52.7	55.2	58.1	61.3	64.9	65.6	66.9	67.7
80°	38.3	38.3	38.3	40.1	43.1	45.2	48.2	50.1	51.3	51.6	51.9
82.5°	30.7	30.7	30.5	30.8	31.9	33.0	35.9	37.9	38.9	38.7	38.0
85°	20.0	19.4	19.4	19.1	19.4	18.8	18.5	19.7	21.5	21.5	20.9
87.5°	10.5	10.1	10.1	9.7	9.2	8.6	7.7	7.8	7.5	8.3	7.8
90°	11.2	10.9	9.5	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5
92.5°	12.2	11.6	10.6	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4
95°	14.7	14.0	12.9	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6
97.5°	15.4	14.6	21.8	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4
100°	15.7	14.9	30.6	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4
102.5°	27.3	29.7	46.8	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2
105°	81.2	98.9	108.0	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7
107.5°	168.3	181.3	179.9	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0
110°	200.4	203.7	202.6	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	226.6	226.6	225.5	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3
115°	260.4	259.4	258.4	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5
117.5°	292.0	291.1	290.7	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7
120°	312.6	311.7	311.5	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3
122.5°	333.0	332.4	332.0	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3
125°	361.6	361.5	361.1	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0
127.5°	390.0	389.7	389.2	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9
130°	407.0	406.6	406.2	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2
132.5°	423.3	422.9	422.6	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9
135°	448.1	447.7	447.3	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2
137.5°	469.8	469.4	469.1	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9
140°	483.9	483.5	483.2	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3
142.5°	497.2	496.9	496.5	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7
145°	515.7	515.6	515.3	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4
147.5°	532.3	532.1	531.9	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1
150°	542.4	542.2	542.0	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0
152.5°	551.2	550.9	550.7	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7
155°	563.5	563.0	562.8	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4
157.5°	574.2	573.5	573.6	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1
160°	580.3	579.7	579.8	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6
162.5°	585.8	585.1	585.2	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8
165°	593.2	592.3	592.5	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1
167.5°	599.0	598.1	598.1	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9
170°	602.2	601.3	601.3	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2
172.5°	604.4	603.6	603.5	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4
175°	607.0	606.3	606.3	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2
177.5°	608.1	607.4	607.4	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	712.6	715.3	718.7	723.8	727.7	731.1	731.8	732.8	735.2	739.3	742.5
5°	717.3	724.3	735.5	746.4	758.3	767.9	777.1	783.5	789.5	802.2	812.5
7.5°	715.8	731.3	748.9	768.6	788.4	807.6	825.5	841.5	857.4	875.9	897.1
10°	714.9	733.1	756.7	781.9	809.5	836.5	862.6	883.0	906.7	927.9	954.9
12.5°	710.3	736.5	764.8	796.9	830.9	862.1	896.4	924.5	951.5	982.2	1013.6
15°	704.3	736.1	771.9	814.7	866.3	903.9	939.1	987.9	1021.3	1054.7	1099.6
17.5°	693.2	732.1	776.9	832.4	875.5	926.1	979.0	1017.6	1062.6	1109.6	1150.2
20°	684.5	729.8	779.8	834.4	889.3	944.3	995.5	1041.6	1088.1	1142.4	1175.8
22.5°	675.8	720.5	772.5	830.5	889.5	947.4	1005.4	1059.6	1111.8	1166.6	1209.3
25°	657.2	710.3	766.8	825.9	884.2	947.8	1017.1	1077.4	1142.1	1198.5	1238.9
27.5°	638.4	687.1	743.2	803.3	868.0	943.3	1024.7	1093.4	1158.1	1198.5	1211.2
30°	621.4	673.0	724.5	785.5	855.6	939.7	1026.2	1104.8	1157.9	1175.4	1162.4
32.5°	604.2	650.9	702.0	764.5	838.9	930.7	1028.1	1098.0	1130.0	1116.5	1063.3
35°	573.8	615.9	665.4	727.9	813.5	925.7	1020.1	1067.5	1059.5	983.7	883.5
37.5°	541.2	575.6	621.4	686.7	787.1	906.0	985.6	992.6	924.3	807.9	692.2
40°	515.5	546.4	593.5	661.8	766.8	886.6	950.9	922.7	816.8	687.2	590.7
42.5°	490.5	516.6	561.9	635.6	747.3	860.2	899.2	837.7	715.6	593.0	505.3
45°	448.1	472.7	518.2	593.8	707.6	809.5	804.4	697.6	575.3	476.7	403.9
47.5°	408.0	429.4	472.2	549.3	660.9	733.6	685.4	571.8	468.0	389.0	337.0
50°	379.6	400.8	443.3	519.4	623.5	676.6	607.8	498.2	403.2	337.7	296.4
52.5°	352.4	373.1	412.0	486.2	578.4	610.1	536.1	434.6	355.5	298.9	263.4
55°	314.3	330.1	365.0	436.0	504.9	512.1	437.2	352.3	287.0	247.6	223.3
57.5°	275.6	289.1	323.6	380.2	428.5	424.7	353.6	280.2	236.2	206.9	189.3
60°	250.3	263.6	294.0	342.5	379.0	366.2	301.0	241.9	204.2	182.7	168.7
62.5°	226.8	237.2	265.6	301.0	327.3	312.8	257.3	208.3	178.5	160.3	149.2
65°	192.7	201.1	223.9	242.4	257.0	243.0	196.9	163.0	141.4	128.7	121.0
67.5°	160.3	165.6	180.1	186.7	197.0	181.7	148.1	125.3	113.0	102.3	97.0
70°	139.9	143.9	151.4	156.9	159.6	143.9	118.9	102.3	92.0	84.4	81.0
72.5°	119.5	122.9	124.5	129.0	127.5	112.7	95.6	82.4	74.9	69.8	65.5
75°	91.3	92.8	91.3	89.5	85.6	75.3	63.5	56.7	51.3	48.9	47.4
77.5°	66.5	66.1	64.0	61.2	54.4	47.9	41.6	39.3	37.0	35.6	35.2
80°	51.3	50.1	48.2	43.7	37.9	33.4	31.8	30.3	29.5	27.9	27.6
82.5°	38.2	37.5	34.4	30.6	26.5	24.4	23.1	22.6	21.6	20.9	20.8
85°	20.4	19.4	16.1	13.9	13.4	12.8	12.4	12.4	11.2	10.9	10.9
87.5°	6.8	5.6	5.5	5.0	5.2	5.0	5.5	5.3	5.3	5.6	5.2
90°	1.4	2.5	3.5	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6
92.5°	8.2	7.8	7.5	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8
95°	23.4	19.3	15.2	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4
97.5°	53.6	51.7	49.8	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2
100°	78.3	80.4	82.4	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5
102.5°	101.6	103.1	104.6	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7
105°	135.8	136.9	137.9	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4
107.5°	171.8	172.8	173.6	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3
110°	196.0	196.8	197.6	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2



TEST NUMBER: P332276-927

CATALOG NUMBER: S123RDIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	219.0	219.8	220.5	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6
115°	253.2	253.7	254.4	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3
117.5°	286.5	287.2	288.0	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8
120°	307.2	308.2	309.0	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4
122.5°	328.0	328.8	329.5	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5
125°	356.9	357.7	358.5	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9
127.5°	384.7	385.5	386.3	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3
130°	402.0	402.8	403.6	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4
132.5°	418.7	419.5	420.3	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7
135°	443.9	444.4	445.0	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4
137.5°	465.7	466.4	467.2	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3
140°	480.0	480.6	481.2	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3
142.5°	493.4	494.0	494.6	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5
145°	512.1	512.9	513.6	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9
147.5°	529.6	530.0	530.4	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5
150°	540.3	540.5	540.8	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6
152.5°	549.9	549.9	550.1	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6
155°	563.2	563.0	562.8	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0
157.5°	574.1	574.0	574.0	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7
160°	580.5	580.4	580.3	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9
162.5°	586.5	586.2	586.0	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5
165°	593.8	593.6	593.3	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0
167.5°	599.5	599.1	598.7	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8
170°	602.8	602.4	602.0	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0
172.5°	604.9	604.4	603.9	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1
175°	607.7	607.1	606.7	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8
177.5°	608.5	608.1	607.7	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	747.7	747.7	748.6	752.3	752.7	755.9	754.9
5°	821.7	827.4	829.6	838.7	844.1	846.5	841.7
7.5°	912.2	928.4	936.2	945.7	954.1	956.7	950.1
10°	978.3	995.2	1009.5	1018.3	1026.5	1031.9	1038.9
12.5°	1042.0	1063.0	1076.5	1088.9	1097.3	1104.3	1105.4
15°	1111.4	1143.0	1167.0	1184.6	1193.3	1197.9	1196.1
17.5°	1181.4	1210.6	1227.7	1245.6	1257.8	1258.5	1258.9
20°	1221.0	1249.5	1269.2	1282.5	1296.2	1295.6	1298.6
22.5°	1247.4	1269.9	1285.0	1294.7	1299.3	1297.0	1297.7
25°	1259.8	1266.5	1263.8	1248.2	1244.4	1230.1	1232.5
27.5°	1196.0	1164.4	1131.8	1089.7	1056.6	1030.2	1031.5
30°	1109.3	1053.4	989.8	936.4	888.4	875.0	846.5
32.5°	988.2	904.4	829.8	780.1	738.9	727.7	702.8
35°	782.8	701.5	624.7	578.6	560.4	535.0	534.6
37.5°	608.5	536.9	496.3	461.7	443.5	428.1	426.6
40°	511.9	456.1	425.4	400.5	382.6	371.1	368.4
42.5°	444.4	399.3	370.5	355.1	341.4	335.4	331.0
45°	362.9	332.6	312.5	298.6	292.2	287.6	285.2
47.5°	303.6	283.2	269.6	260.3	255.1	250.3	251.6
50°	271.2	254.6	244.5	235.8	231.8	228.5	228.8
52.5°	245.3	230.3	222.2	215.9	211.0	208.6	207.4
55°	208.2	198.8	190.5	186.0	183.2	179.9	179.0
57.5°	177.5	170.2	163.6	158.4	157.8	154.6	155.0
60°	157.2	151.1	145.6	142.9	140.8	138.1	138.9
62.5°	140.5	135.3	130.3	128.1	126.0	124.0	124.4
65°	115.0	110.1	107.1	105.9	105.0	104.1	103.1
67.5°	91.7	88.6	86.7	84.1	82.3	82.0	81.0
70°	77.1	73.1	69.8	66.5	65.5	65.2	65.5
72.5°	61.8	59.3	58.4	56.7	56.6	55.8	56.3
75°	46.4	45.6	44.9	43.7	43.7	43.7	43.7
77.5°	34.2	33.7	33.4	33.0	32.8	32.3	32.3
80°	26.7	26.4	25.8	25.8	25.5	25.8	25.5
82.5°	20.1	20.1	19.5	19.5	19.2	19.0	19.2
85°	10.3	10.0	10.6	10.0	10.3	9.7	10.3
87.5°	5.3	5.4	5.2	5.2	5.1	5.5	5.1
90°	12.0	12.4	12.8	13.0	13.2	13.4	13.5
92.5°	13.5	14.1	14.5	14.7	14.7	14.9	15.0
95°	16.1	16.8	17.2	17.2	17.2	17.2	17.2
97.5°	17.0	17.7	18.2	18.3	18.4	18.5	18.6
100°	17.3	18.1	18.5	18.7	18.8	18.9	19.0
102.5°	22.3	19.8	18.6	18.8	19.0	19.2	19.3
105°	45.6	27.9	19.1	19.3	19.5	19.6	19.9
107.5°	142.3	129.2	116.1	102.6	89.2	75.8	62.4
110°	193.8	190.5	181.6	167.3	153.0	138.6	124.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	226.7	226.8	225.3	222.3	219.2	216.2	213.2
115°	262.4	263.4	264.0	264.4	264.9	265.3	265.7
117.5°	293.6	294.4	294.9	294.9	295.0	295.1	295.2
120°	314.2	315.0	315.4	315.4	315.4	315.4	315.4
122.5°	334.1	334.6	334.9	335.0	335.1	335.2	335.3
125°	362.0	362.3	362.5	362.7	362.9	363.1	363.3
127.5°	390.6	390.9	391.0	390.8	390.6	390.4	390.2
130°	407.8	408.2	408.4	408.1	408.0	407.7	407.6
132.5°	424.1	424.5	424.6	424.3	424.0	423.7	423.4
135°	448.7	448.9	448.9	448.7	448.4	448.1	447.7
137.5°	470.8	471.3	471.4	471.2	471.0	470.8	470.6
140°	484.7	485.1	485.1	485.0	484.7	484.6	484.3
142.5°	497.8	498.1	498.1	497.9	497.6	497.3	497.0
145°	516.1	516.3	516.4	516.4	516.4	516.4	516.4
147.5°	532.7	532.9	532.7	532.3	531.8	531.4	530.9
150°	542.8	543.0	543.0	542.6	542.3	542.0	541.8
152.5°	551.9	552.3	552.2	551.8	551.4	550.9	550.4
155°	564.5	565.0	564.9	564.4	563.7	563.2	562.5
157.5°	575.4	576.0	575.8	575.0	574.3	573.5	572.7
160°	581.5	582.1	582.0	581.4	580.7	580.0	579.2
162.5°	587.2	587.9	587.9	587.2	586.6	586.0	585.4
165°	594.8	595.6	595.6	594.9	594.2	593.5	592.8
167.5°	600.6	601.3	601.3	600.6	599.8	599.0	598.1
170°	603.8	604.6	604.6	603.8	603.0	602.2	601.3
172.5°	605.9	606.7	606.7	605.9	605.0	604.0	603.2
175°	608.5	609.2	609.1	608.3	607.5	606.7	605.9
177.5°	609.3	610.0	609.9	609.1	608.3	607.5	606.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2

(END OF REPORT)