

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: P332290-927

Luminaire Tested: **S123RDIP-S560D1025U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332290-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D1025U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4706.7 lumens
Efficiency: N/A
Efficacy: 105.8 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: Semi-Indirect

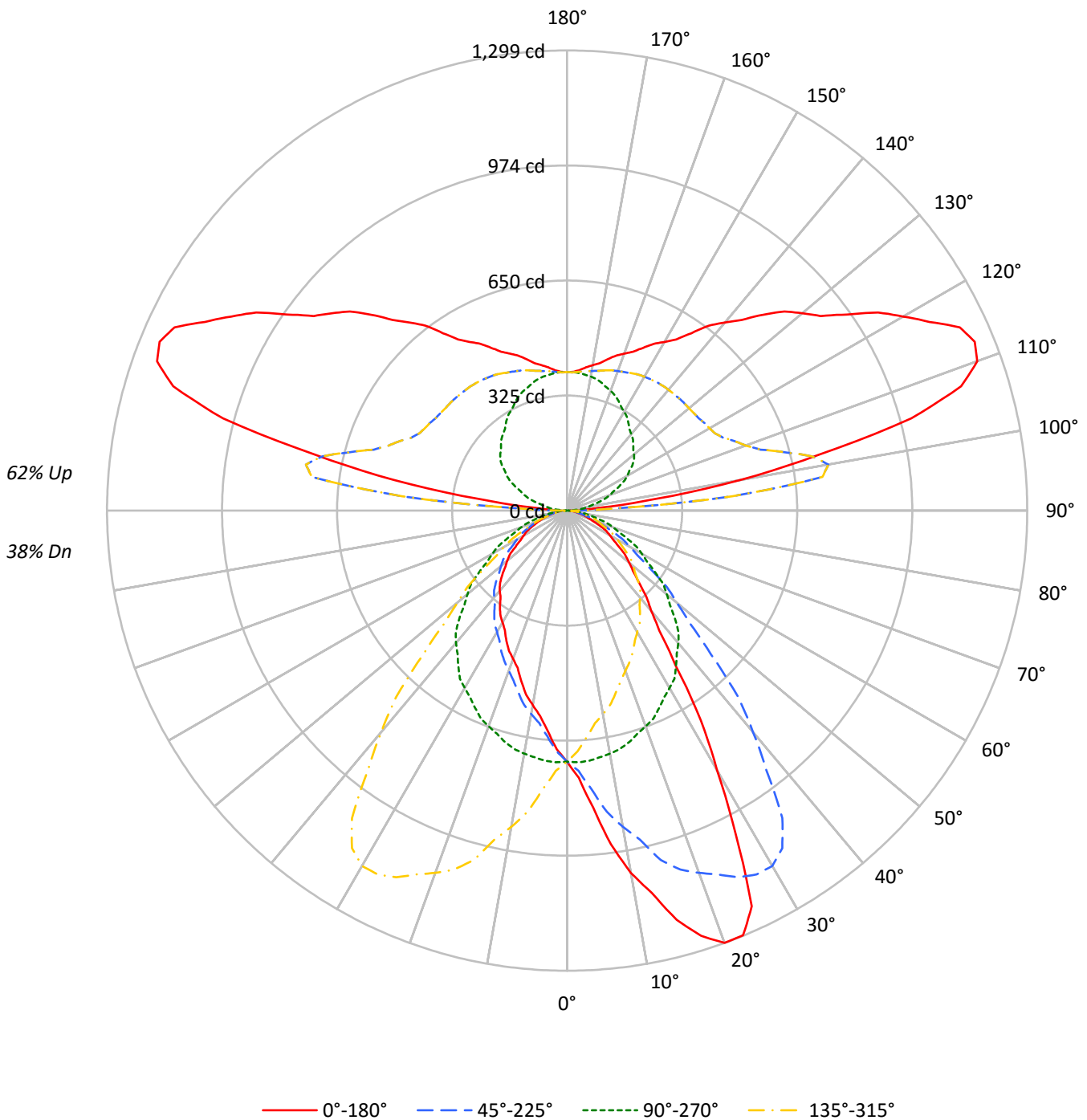
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38																												
1	95	91	88	84	86	83	80	77	68	65	63	53	52	51	40	39	39	32																												
2	87	80	74	70	79	73	68	64	60	56	53	47	45	43	36	34	33	28																												
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29	24																												
4	73	63	55	50	66	58	51	46	47	43	39	38	35	32	29	27	25	21																												
5	67	56	48	43	61	51	45	40	42	37	34	34	31	28	26	24	22	19																												
6	62	50	43	37	56	46	40	35	38	33	29	31	27	24	24	22	20	17																												
7	57	46	38	33	52	42	35	30	35	30	26	28	25	22	22	19	18	15																												
8	53	41	34	29	48	38	32	27	32	27	23	26	22	19	20	18	16	13																												
9	50	38	31	26	45	35	28	24	29	24	21	24	20	18	19	16	14	12																												
10	46	35	28	23	42	32	26	22	27	22	19	22	18	16	17	15	13	11																												

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	1.5
10°-20°	217.8	4.6
20°-30°	342.1	7.3
30°-40°	356.9	7.6
40°-50°	305.5	6.5
50°-60°	232.8	4.9
60°-70°	149.2	3.2
70°-80°	71.8	1.5
80°-90°	22.0	0.5
90°-100°	217.4	4.6
100°-110°	615.6	13.1
110°-120°	605.5	12.9
120°-130°	483.0	10.3
130°-140°	380.8	8.1
140°-150°	284.2	6.0
150°-160°	198.1	4.2
160°-170°	116.4	2.5
170°-180°	37.9	0.8
0°-30°	629.6	13.4
0°-40°	986.5	21.0
0°-60°	1524.8	32.4
0°-90°	1767.8	37.6
90°-120°	1438.5	30.6
90°-150°	2586.5	55.0
90°-180°	2939.0	62.4
0°-180°	4706.7	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°	23	2	23	2	23	12
95°	92	27	92	27	92	165
105°	1006	92	1006	92	1006	992
115°	1223	162	1223	162	1223	1189
125°	965	225	965	225	965	874
135°	782	264	782	264	782	607
145°	611	301	611	301	611	389
155°	507	342	507	342	507	236
165°	442	374	442	374	442	126
175°	398	390	398	390	398	39
180°	391	391	391	391	391	



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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°	7.1	7.7	7.1	7.1	7.3	7.2	7.1	6.9	7.2	7.1	6.9
90°	22.9	23.7	22.9	22.1	22.9	21.4	20.6	19.8	19.0	19.8	17.4
92.5°	38.1	39.5	38.7	41.1	42.5	46.7	52.8	66.5	91.7	121.6	133.8
95°	91.7	94.9	100.4	107.6	122.6	151.1	193.0	284.6	380.3	468.9	417.5
97.5°	249.7	256.5	277.9	313.5	371.8	466.4	568.4	709.6	777.4	726.7	532.0
100°	495.8	495.0	525.9	583.6	663.5	775.7	868.2	932.3	904.6	748.8	506.0
102.5°	727.3	745.5	771.3	817.0	879.2	950.3	1004.2	1006.3	910.9	707.7	468.1
105°	1005.8	1009.8	1035.1	1065.1	1101.5	1122.0	1107.1	1027.9	862.7	635.7	421.4
107.5°	1166.2	1173.5	1182.0	1192.2	1191.5	1163.3	1094.1	965.7	778.2	572.2	391.7
110°	1232.0	1233.6	1235.2	1228.8	1206.7	1151.3	1051.7	906.2	725.1	536.1	380.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1245.2	1244.9	1238.9	1219.3	1178.8	1107.6	996.0	847.3	678.9	512.1	374.0
115°	1223.3	1219.3	1203.5	1168.7	1109.4	1023.2	907.0	769.4	623.1	486.3	371.6
117.5°	1153.3	1148.0	1125.2	1085.4	1023.5	936.0	831.7	713.0	589.4	471.1	373.0
120°	1095.2	1090.4	1071.4	1027.1	964.7	884.9	790.0	683.2	571.7	464.1	375.6
122.5°	1040.8	1034.7	1013.9	974.1	918.5	844.4	756.5	659.8	557.1	459.7	380.0
125°	964.7	959.2	939.4	904.6	854.0	790.8	714.9	628.7	538.5	453.9	386.7
127.5°	902.1	897.0	879.2	849.4	804.3	746.8	678.3	601.4	522.0	451.1	394.3
130°	866.6	860.3	843.8	815.2	773.3	719.5	655.5	584.4	513.2	449.2	399.3
132.5°	831.9	827.4	812.7	784.3	744.9	693.6	634.0	568.5	504.9	448.5	403.1
135°	782.0	776.5	762.2	738.6	699.8	654.7	603.3	547.2	494.2	447.6	408.8
137.5°	729.4	725.7	713.8	689.7	657.1	618.1	573.8	527.8	484.9	445.8	412.6
140°	692.7	693.5	680.8	658.7	628.7	594.6	556.7	516.3	479.2	445.2	415.1
142.5°	658.5	659.3	647.9	628.4	602.7	573.1	540.3	505.6	474.1	443.9	417.0
145°	611.2	609.7	603.3	586.7	567.0	544.0	518.7	492.7	467.3	442.0	418.3
147.5°	572.4	571.7	565.7	554.4	539.5	523.2	502.7	482.0	460.7	439.0	418.3
150°	549.5	549.5	544.8	536.1	524.3	509.2	492.7	474.4	456.2	436.5	418.3
152.5°	530.6	530.6	527.8	519.7	510.3	497.9	483.2	467.5	451.2	433.3	416.4
155°	506.8	506.0	504.5	498.2	491.1	481.6	469.7	457.0	443.6	427.8	414.3
157.5°	485.2	485.4	484.1	479.3	473.2	465.7	456.5	446.0	435.1	422.9	411.7
160°	471.3	472.1	472.1	467.3	461.8	456.2	448.4	439.7	429.4	419.1	410.4
162.5°	458.6	459.4	459.4	455.3	451.7	446.8	439.5	432.1	423.7	415.3	407.9
165°	442.0	442.0	442.8	439.7	436.5	432.5	427.0	422.2	415.9	409.6	404.1
167.5°	426.2	426.2	427.0	424.8	423.3	420.5	417.3	413.7	408.5	403.9	400.3
170°	416.7	416.7	417.5	415.9	415.1	413.5	410.4	408.1	404.1	400.1	397.8
172.5°	407.9	408.5	410.0	408.4	408.2	407.3	404.7	403.0	399.7	397.0	395.9
175°	397.8	398.5	399.3	398.5	398.5	398.5	397.0	396.2	394.6	393.0	393.0
177.5°	391.9	391.9	393.2	392.5	393.2	393.2	392.5	391.9	391.3	390.6	391.3
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



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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°	6.9	6.2	6.2	5.9	6.3	6.0	7.2	8.1	8.6	8.0	8.5
90°	15.1	12.7	10.3	8.7	7.1	4.8	3.2	1.6	3.2	4.8	7.1
92.5°	100.4	66.4	45.7	34.0	27.3	21.2	14.6	9.8	14.6	21.2	27.3
95°	287.8	170.0	102.8	71.9	51.4	37.9	29.2	26.9	29.2	37.9	51.4
97.5°	315.8	183.0	118.7	85.4	65.1	53.5	46.7	45.9	46.7	53.5	65.1
100°	298.1	181.1	125.7	94.9	75.9	64.9	59.3	58.5	59.3	64.9	75.9
102.5°	282.9	183.6	134.0	105.7	88.6	78.1	73.2	71.8	73.2	78.1	88.6
105°	272.0	190.6	147.9	123.3	108.4	98.9	94.1	91.7	94.1	98.9	108.4
107.5°	271.2	203.5	166.0	143.3	129.2	119.9	115.3	112.9	115.3	119.9	129.2
110°	274.4	214.3	178.7	156.5	143.1	134.4	130.5	128.1	130.5	134.4	143.1



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.7	225.1	192.0	170.5	157.0	148.4	144.4	142.0	144.4	148.4	157.0
115°	291.0	242.7	212.7	191.4	177.9	170.0	165.2	162.1	165.2	170.0	177.9
117.5°	304.6	261.6	231.9	212.1	197.0	189.8	185.8	182.2	185.8	189.8	197.0
120°	314.7	273.6	245.1	225.4	210.3	202.4	198.4	196.1	198.4	202.4	210.3
122.5°	324.2	286.2	258.4	237.4	223.0	214.4	210.5	208.1	210.5	214.4	223.0
125°	339.2	304.4	276.8	255.4	240.3	231.7	227.0	225.4	227.0	231.7	240.3
127.5°	351.6	320.3	293.5	272.2	255.6	246.7	240.8	238.5	240.8	246.7	255.6
130°	359.8	329.7	303.6	282.3	265.7	256.2	249.1	246.7	249.1	256.2	265.7
132.5°	367.4	337.9	312.5	291.8	275.2	263.8	256.0	253.0	256.0	263.8	275.2
135°	377.2	350.3	325.7	304.4	287.8	276.0	267.3	264.1	267.3	276.0	287.8
137.5°	384.4	358.9	335.3	315.5	299.0	286.4	277.9	274.6	277.9	286.4	299.0
140°	388.2	364.6	341.6	321.9	306.0	293.3	285.4	281.5	285.4	293.3	306.0
142.5°	392.1	369.0	346.7	328.1	312.4	301.0	292.4	289.1	292.4	301.0	312.4
145°	396.2	374.8	354.3	336.0	322.7	310.8	303.6	301.3	303.6	310.8	322.7
147.5°	398.7	379.5	360.8	345.2	332.2	322.0	315.1	313.6	315.1	322.0	332.2
150°	399.3	382.7	364.6	350.3	339.2	328.9	322.7	321.9	322.7	328.9	339.2
152.5°	400.6	384.6	369.0	355.4	345.5	336.5	330.2	330.0	330.2	336.5	345.5
155°	400.9	388.2	374.8	363.8	355.1	347.1	342.4	342.4	342.4	347.1	355.1
157.5°	401.7	390.3	379.5	371.0	363.6	356.6	352.8	352.2	352.8	356.6	363.6
160°	401.7	392.2	382.7	374.8	369.2	363.0	359.8	359.8	359.8	363.0	369.2
162.5°	401.1	392.8	384.6	378.0	373.0	368.0	365.5	365.5	365.5	368.0	373.0
165°	399.3	393.8	387.5	381.9	378.7	374.8	373.2	374.0	373.2	374.8	378.7
167.5°	398.1	393.6	389.0	385.6	383.3	380.3	379.5	380.5	379.5	380.3	383.3
170°	396.2	393.0	389.0	387.5	385.9	383.5	382.7	384.3	382.7	383.5	385.9
172.5°	395.5	393.0	389.7	388.7	387.8	386.0	385.9	386.8	385.9	386.0	387.8
175°	393.8	392.2	390.6	389.8	389.8	388.2	389.0	389.8	389.0	388.2	389.8
177.5°	392.5	391.3	390.6	390.6	390.6	390.0	390.6	391.3	390.6	390.0	390.6
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

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°	8.6	9.6	10.3	11.0	11.7	12.0	12.0	12.2	12.6	12.8	13.1
90°	8.7	10.3	12.7	15.1	17.4	19.8	19.0	19.8	20.6	21.4	22.9
92.5°	34.0	45.7	66.4	100.4	133.8	121.6	91.7	66.5	52.8	46.7	42.5
95°	71.9	102.8	170.0	287.8	417.5	468.9	380.3	284.6	193.0	151.1	122.6
97.5°	85.4	118.7	183.0	315.8	532.0	726.7	777.4	709.6	568.4	466.4	371.8
100°	94.9	125.7	181.1	298.1	506.0	748.8	904.6	932.3	868.2	775.7	663.5
102.5°	105.7	134.0	183.6	282.9	468.1	707.7	910.9	1006.3	1004.2	950.3	879.2
105°	123.3	147.9	190.6	272.0	421.4	635.7	862.7	1027.9	1107.1	1122.0	1101.5
107.5°	143.3	166.0	203.5	271.2	391.7	572.2	778.2	965.7	1094.1	1163.3	1191.5
110°	156.5	178.7	214.3	274.4	380.3	536.1	725.1	906.2	1051.7	1151.3	1206.7



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	170.5	192.0	225.1	280.7	374.0	512.1	678.9	847.3	996.0	1107.6	1178.8
115°	191.4	212.7	242.7	291.0	371.6	486.3	623.1	769.4	907.0	1023.2	1109.4
117.5°	212.1	231.9	261.6	304.6	373.0	471.1	589.4	713.0	831.7	936.0	1023.5
120°	225.4	245.1	273.6	314.7	375.6	464.1	571.7	683.2	790.0	884.9	964.7
122.5°	237.4	258.4	286.2	324.2	380.0	459.7	557.1	659.8	756.5	844.4	918.5
125°	255.4	276.8	304.4	339.2	386.7	453.9	538.5	628.7	714.9	790.8	854.0
127.5°	272.2	293.5	320.3	351.6	394.3	451.1	522.0	601.4	678.3	746.8	804.3
130°	282.3	303.6	329.7	359.8	399.3	449.2	513.2	584.4	655.5	719.5	773.3
132.5°	291.8	312.5	337.9	367.4	403.1	448.5	504.9	568.5	634.0	693.6	744.9
135°	304.4	325.7	350.3	377.2	408.8	447.6	494.2	547.2	603.3	654.7	699.8
137.5°	315.5	335.3	358.9	384.4	412.6	445.8	484.9	527.8	573.8	618.1	657.1
140°	321.9	341.6	364.6	388.2	415.1	445.2	479.2	516.3	556.7	594.6	628.7
142.5°	328.1	346.7	369.0	392.1	417.0	443.9	474.1	505.6	540.3	573.1	602.7
145°	336.0	354.3	374.8	396.2	418.3	442.0	467.3	492.7	518.7	544.0	567.0
147.5°	345.2	360.8	379.5	398.7	418.3	439.0	460.7	482.0	502.7	523.2	539.5
150°	350.3	364.6	382.7	399.3	418.3	436.5	456.2	474.4	492.7	509.2	524.3
152.5°	355.4	369.0	384.6	400.6	416.4	433.3	451.2	467.5	483.2	497.9	510.3
155°	363.8	374.8	388.2	400.9	414.3	427.8	443.6	457.0	469.7	481.6	491.1
157.5°	371.0	379.5	390.3	401.7	411.7	422.9	435.1	446.0	456.5	465.7	473.2
160°	374.8	382.7	392.2	401.7	410.4	419.1	429.4	439.7	448.4	456.2	461.8
162.5°	378.0	384.6	392.8	401.1	407.9	415.3	423.7	432.1	439.5	446.8	451.7
165°	381.9	387.5	393.8	399.3	404.1	409.6	415.9	422.2	427.0	432.5	436.5
167.5°	385.6	389.0	393.6	398.1	400.3	403.9	408.5	413.7	417.3	420.5	423.3
170°	387.5	389.0	393.0	396.2	397.8	400.1	404.1	408.1	410.4	413.5	415.1
172.5°	388.7	389.7	393.0	395.5	395.9	397.0	399.7	403.0	404.7	407.3	408.2
175°	389.8	390.6	392.2	393.8	393.0	393.0	394.6	396.2	397.0	398.5	398.5
177.5°	390.6	390.6	391.3	392.5	391.3	390.6	391.3	391.9	392.5	393.2	393.2
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

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°	13.4	13.1	13.2	13.3	13.2	13.1	13.4	13.1	12.8	12.6	12.2
90°	22.1	22.9	23.7	22.9	23.7	22.9	22.1	22.9	21.4	20.6	19.8
92.5°	41.1	38.7	39.5	38.1	39.5	38.7	41.1	42.5	46.7	52.8	66.5
95°	107.6	100.4	94.9	91.7	94.9	100.4	107.6	122.6	151.1	193.0	284.6
97.5°	313.5	277.9	256.5	249.7	256.5	277.9	313.5	371.8	466.4	568.4	709.6
100°	583.6	525.9	495.0	495.8	495.0	525.9	583.6	663.5	775.7	868.2	932.3
102.5°	817.0	771.3	745.5	727.3	745.5	771.3	817.0	879.2	950.3	1004.2	1006.3
105°	1065.1	1035.1	1009.8	1005.8	1009.8	1035.1	1065.1	1101.5	1122.0	1107.1	1027.9
107.5°	1192.2	1182.0	1173.5	1166.2	1173.5	1182.0	1192.2	1191.5	1163.3	1094.1	965.7
110°	1228.8	1235.2	1233.6	1232.0	1233.6	1235.2	1228.8	1206.7	1151.3	1051.7	906.2



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1219.3	1238.9	1244.9	1245.2	1244.9	1238.9	1219.3	1178.8	1107.6	996.0	847.3
115°	1168.7	1203.5	1219.3	1223.3	1219.3	1203.5	1168.7	1109.4	1023.2	907.0	769.4
117.5°	1085.4	1125.2	1148.0	1153.3	1148.0	1125.2	1085.4	1023.5	936.0	831.7	713.0
120°	1027.1	1071.4	1090.4	1095.2	1090.4	1071.4	1027.1	964.7	884.9	790.0	683.2
122.5°	974.1	1013.9	1034.7	1040.8	1034.7	1013.9	974.1	918.5	844.4	756.5	659.8
125°	904.6	939.4	959.2	964.7	959.2	939.4	904.6	854.0	790.8	714.9	628.7
127.5°	849.4	879.2	897.0	902.1	897.0	879.2	849.4	804.3	746.8	678.3	601.4
130°	815.2	843.8	860.3	866.6	860.3	843.8	815.2	773.3	719.5	655.5	584.4
132.5°	784.3	812.7	827.4	831.9	827.4	812.7	784.3	744.9	693.6	634.0	568.5
135°	738.6	762.2	776.5	782.0	776.5	762.2	738.6	699.8	654.7	603.3	547.2
137.5°	689.7	713.8	725.7	729.4	725.7	713.8	689.7	657.1	618.1	573.8	527.8
140°	658.7	680.8	693.5	692.7	693.5	680.8	658.7	628.7	594.6	556.7	516.3
142.5°	628.4	647.9	659.3	658.5	659.3	647.9	628.4	602.7	573.1	540.3	505.6
145°	586.7	603.3	609.7	611.2	609.7	603.3	586.7	567.0	544.0	518.7	492.7
147.5°	554.4	565.7	571.7	572.4	571.7	565.7	554.4	539.5	523.2	502.7	482.0
150°	536.1	544.8	549.5	549.5	549.5	544.8	536.1	524.3	509.2	492.7	474.4
152.5°	519.7	527.8	530.6	530.6	530.6	527.8	519.7	510.3	497.9	483.2	467.5
155°	498.2	504.5	506.0	506.8	506.0	504.5	498.2	491.1	481.6	469.7	457.0
157.5°	479.3	484.1	485.4	485.2	485.4	484.1	479.3	473.2	465.7	456.5	446.0
160°	467.3	472.1	472.1	471.3	472.1	472.1	467.3	461.8	456.2	448.4	439.7
162.5°	455.3	459.4	459.4	458.6	459.4	459.4	455.3	451.7	446.8	439.5	432.1
165°	439.7	442.8	442.0	442.0	442.0	442.8	439.7	436.5	432.5	427.0	422.2
167.5°	424.8	427.0	426.2	426.2	426.2	427.0	424.8	423.3	420.5	417.3	413.7
170°	415.9	417.5	416.7	416.7	416.7	417.5	415.9	415.1	413.5	410.4	408.1
172.5°	408.4	410.0	408.5	407.9	408.5	410.0	408.4	408.2	407.3	404.7	403.0
175°	398.5	399.3	398.5	397.8	398.5	399.3	398.5	398.5	398.5	397.0	396.2
177.5°	392.5	393.2	391.9	391.9	391.9	393.2	392.5	393.2	393.2	392.5	391.9
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

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°	12.0	12.0	11.7	11.0	10.3	9.6	8.6	8.5	8.0	8.6	8.1
90°	19.0	19.8	17.4	15.1	12.7	10.3	8.7	7.1	4.8	3.2	1.6
92.5°	91.7	121.6	133.8	100.4	66.4	45.7	34.0	27.3	21.2	14.6	9.8
95°	380.3	468.9	417.5	287.8	170.0	102.8	71.9	51.4	37.9	29.2	26.9
97.5°	777.4	726.7	532.0	315.8	183.0	118.7	85.4	65.1	53.5	46.7	45.9
100°	904.6	748.8	506.0	298.1	181.1	125.7	94.9	75.9	64.9	59.3	58.5
102.5°	910.9	707.7	468.1	282.9	183.6	134.0	105.7	88.6	78.1	73.2	71.8
105°	862.7	635.7	421.4	272.0	190.6	147.9	123.3	108.4	98.9	94.1	91.7
107.5°	778.2	572.2	391.7	271.2	203.5	166.0	143.3	129.2	119.9	115.3	112.9
110°	725.1	536.1	380.3	274.4	214.3	178.7	156.5	143.1	134.4	130.5	128.1



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	678.9	512.1	374.0	280.7	225.1	192.0	170.5	157.0	148.4	144.4	142.0
115°	623.1	486.3	371.6	291.0	242.7	212.7	191.4	177.9	170.0	165.2	162.1
117.5°	589.4	471.1	373.0	304.6	261.6	231.9	212.1	197.0	189.8	185.8	182.2
120°	571.7	464.1	375.6	314.7	273.6	245.1	225.4	210.3	202.4	198.4	196.1
122.5°	557.1	459.7	380.0	324.2	286.2	258.4	237.4	223.0	214.4	210.5	208.1
125°	538.5	453.9	386.7	339.2	304.4	276.8	255.4	240.3	231.7	227.0	225.4
127.5°	522.0	451.1	394.3	351.6	320.3	293.5	272.2	255.6	246.7	240.8	238.5
130°	513.2	449.2	399.3	359.8	329.7	303.6	282.3	265.7	256.2	249.1	246.7
132.5°	504.9	448.5	403.1	367.4	337.9	312.5	291.8	275.2	263.8	256.0	253.0
135°	494.2	447.6	408.8	377.2	350.3	325.7	304.4	287.8	276.0	267.3	264.1
137.5°	484.9	445.8	412.6	384.4	358.9	335.3	315.5	299.0	286.4	277.9	274.6
140°	479.2	445.2	415.1	388.2	364.6	341.6	321.9	306.0	293.3	285.4	281.5
142.5°	474.1	443.9	417.0	392.1	369.0	346.7	328.1	312.4	301.0	292.4	289.1
145°	467.3	442.0	418.3	396.2	374.8	354.3	336.0	322.7	310.8	303.6	301.3
147.5°	460.7	439.0	418.3	398.7	379.5	360.8	345.2	332.2	322.0	315.1	313.6
150°	456.2	436.5	418.3	399.3	382.7	364.6	350.3	339.2	328.9	322.7	321.9
152.5°	451.2	433.3	416.4	400.6	384.6	369.0	355.4	345.5	336.5	330.2	330.0
155°	443.6	427.8	414.3	400.9	388.2	374.8	363.8	355.1	347.1	342.4	342.4
157.5°	435.1	422.9	411.7	401.7	390.3	379.5	371.0	363.6	356.6	352.8	352.2
160°	429.4	419.1	410.4	401.7	392.2	382.7	374.8	369.2	363.0	359.8	359.8
162.5°	423.7	415.3	407.9	401.1	392.8	384.6	378.0	373.0	368.0	365.5	365.5
165°	415.9	409.6	404.1	399.3	393.8	387.5	381.9	378.7	374.8	373.2	374.0
167.5°	408.5	403.9	400.3	398.1	393.6	389.0	385.6	383.3	380.3	379.5	380.5
170°	404.1	400.1	397.8	396.2	393.0	389.0	387.5	385.9	383.5	382.7	384.3
172.5°	399.7	397.0	395.9	395.5	393.0	389.7	388.7	387.8	386.0	385.9	386.8
175°	394.6	393.0	393.0	393.8	392.2	390.6	389.8	389.8	388.2	389.0	389.8
177.5°	391.3	390.6	391.3	392.5	391.3	390.6	390.6	390.6	390.0	390.6	391.3
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

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°	7.2	6.0	6.3	5.9	6.2	6.2	6.9	6.9	7.1	7.2	6.9
90°	3.2	4.8	7.1	8.7	10.3	12.7	15.1	17.4	19.8	19.0	19.8
92.5°	14.6	21.2	27.3	34.0	45.7	66.4	100.4	133.8	121.6	91.7	66.5
95°	29.2	37.9	51.4	71.9	102.8	170.0	287.8	417.5	468.9	380.3	284.6
97.5°	46.7	53.5	65.1	85.4	118.7	183.0	315.8	532.0	726.7	777.4	709.6
100°	59.3	64.9	75.9	94.9	125.7	181.1	298.1	506.0	748.8	904.6	932.3
102.5°	73.2	78.1	88.6	105.7	134.0	183.6	282.9	468.1	707.7	910.9	1006.3
105°	94.1	98.9	108.4	123.3	147.9	190.6	272.0	421.4	635.7	862.7	1027.9
107.5°	115.3	119.9	129.2	143.3	166.0	203.5	271.2	391.7	572.2	778.2	965.7
110°	130.5	134.4	143.1	156.5	178.7	214.3	274.4	380.3	536.1	725.1	906.2



TEST NUMBER: P332290-927

CATALOG NUMBER: S123RDIP-S560D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	148.4	157.0	170.5	192.0	225.1	280.7	374.0	512.1	678.9	847.3
115°	165.2	170.0	177.9	191.4	212.7	242.7	291.0	371.6	486.3	623.1	769.4
117.5°	185.8	189.8	197.0	212.1	231.9	261.6	304.6	373.0	471.1	589.4	713.0
120°	198.4	202.4	210.3	225.4	245.1	273.6	314.7	375.6	464.1	571.7	683.2
122.5°	210.5	214.4	223.0	237.4	258.4	286.2	324.2	380.0	459.7	557.1	659.8
125°	227.0	231.7	240.3	255.4	276.8	304.4	339.2	386.7	453.9	538.5	628.7
127.5°	240.8	246.7	255.6	272.2	293.5	320.3	351.6	394.3	451.1	522.0	601.4
130°	249.1	256.2	265.7	282.3	303.6	329.7	359.8	399.3	449.2	513.2	584.4
132.5°	256.0	263.8	275.2	291.8	312.5	337.9	367.4	403.1	448.5	504.9	568.5
135°	267.3	276.0	287.8	304.4	325.7	350.3	377.2	408.8	447.6	494.2	547.2
137.5°	277.9	286.4	299.0	315.5	335.3	358.9	384.4	412.6	445.8	484.9	527.8
140°	285.4	293.3	306.0	321.9	341.6	364.6	388.2	415.1	445.2	479.2	516.3
142.5°	292.4	301.0	312.4	328.1	346.7	369.0	392.1	417.0	443.9	474.1	505.6
145°	303.6	310.8	322.7	336.0	354.3	374.8	396.2	418.3	442.0	467.3	492.7
147.5°	315.1	322.0	332.2	345.2	360.8	379.5	398.7	418.3	439.0	460.7	482.0
150°	322.7	328.9	339.2	350.3	364.6	382.7	399.3	418.3	436.5	456.2	474.4
152.5°	330.2	336.5	345.5	355.4	369.0	384.6	400.6	416.4	433.3	451.2	467.5
155°	342.4	347.1	355.1	363.8	374.8	388.2	400.9	414.3	427.8	443.6	457.0
157.5°	352.8	356.6	363.6	371.0	379.5	390.3	401.7	411.7	422.9	435.1	446.0
160°	359.8	363.0	369.2	374.8	382.7	392.2	401.7	410.4	419.1	429.4	439.7
162.5°	365.5	368.0	373.0	378.0	384.6	392.8	401.1	407.9	415.3	423.7	432.1
165°	373.2	374.8	378.7	381.9	387.5	393.8	399.3	404.1	409.6	415.9	422.2
167.5°	379.5	380.3	383.3	385.6	389.0	393.6	398.1	400.3	403.9	408.5	413.7
170°	382.7	383.5	385.9	387.5	389.0	393.0	396.2	397.8	400.1	404.1	408.1
172.5°	385.9	386.0	387.8	388.7	389.7	393.0	395.5	395.9	397.0	399.7	403.0
175°	389.0	388.2	389.8	389.8	390.6	392.2	393.8	393.0	393.0	394.6	396.2
177.5°	390.6	390.0	390.6	390.6	390.6	391.3	392.5	391.3	390.6	391.3	391.9
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



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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°	7.1	7.2	7.3	7.1	7.1	7.7	7.1
90°	20.6	21.4	22.9	22.1	22.9	23.7	22.9
92.5°	52.8	46.7	42.5	41.1	38.7	39.5	38.1
95°	193.0	151.1	122.6	107.6	100.4	94.9	91.7
97.5°	568.4	466.4	371.8	313.5	277.9	256.5	249.7
100°	868.2	775.7	663.5	583.6	525.9	495.0	495.8
102.5°	1004.2	950.3	879.2	817.0	771.3	745.5	727.3
105°	1107.1	1122.0	1101.5	1065.1	1035.1	1009.8	1005.8
107.5°	1094.1	1163.3	1191.5	1192.2	1182.0	1173.5	1166.2
110°	1051.7	1151.3	1206.7	1228.8	1235.2	1233.6	1232.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	996.0	1107.6	1178.8	1219.3	1238.9	1244.9	1245.2
115°	907.0	1023.2	1109.4	1168.7	1203.5	1219.3	1223.3
117.5°	831.7	936.0	1023.5	1085.4	1125.2	1148.0	1153.3
120°	790.0	884.9	964.7	1027.1	1071.4	1090.4	1095.2
122.5°	756.5	844.4	918.5	974.1	1013.9	1034.7	1040.8
125°	714.9	790.8	854.0	904.6	939.4	959.2	964.7
127.5°	678.3	746.8	804.3	849.4	879.2	897.0	902.1
130°	655.5	719.5	773.3	815.2	843.8	860.3	866.6
132.5°	634.0	693.6	744.9	784.3	812.7	827.4	831.9
135°	603.3	654.7	699.8	738.6	762.2	776.5	782.0
137.5°	573.8	618.1	657.1	689.7	713.8	725.7	729.4
140°	556.7	594.6	628.7	658.7	680.8	693.5	692.7
142.5°	540.3	573.1	602.7	628.4	647.9	659.3	658.5
145°	518.7	544.0	567.0	586.7	603.3	609.7	611.2
147.5°	502.7	523.2	539.5	554.4	565.7	571.7	572.4
150°	492.7	509.2	524.3	536.1	544.8	549.5	549.5
152.5°	483.2	497.9	510.3	519.7	527.8	530.6	530.6
155°	469.7	481.6	491.1	498.2	504.5	506.0	506.8
157.5°	456.5	465.7	473.2	479.3	484.1	485.4	485.2
160°	448.4	456.2	461.8	467.3	472.1	472.1	471.3
162.5°	439.5	446.8	451.7	455.3	459.4	459.4	458.6
165°	427.0	432.5	436.5	439.7	442.8	442.0	442.0
167.5°	417.3	420.5	423.3	424.8	427.0	426.2	426.2
170°	410.4	413.5	415.1	415.9	417.5	416.7	416.7
172.5°	404.7	407.3	408.2	408.4	410.0	408.5	407.9
175°	397.0	398.5	398.5	398.5	399.3	398.5	397.8
177.5°	392.5	393.2	393.2	392.5	393.2	391.9	391.9
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6

(END OF REPORT)