

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: P332284-935

Luminaire Tested: **S123RDIP-S560D805U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332284-935
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-S560D805U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4422.5 lumens
Efficiency: N/A
Efficacy: 115.2 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

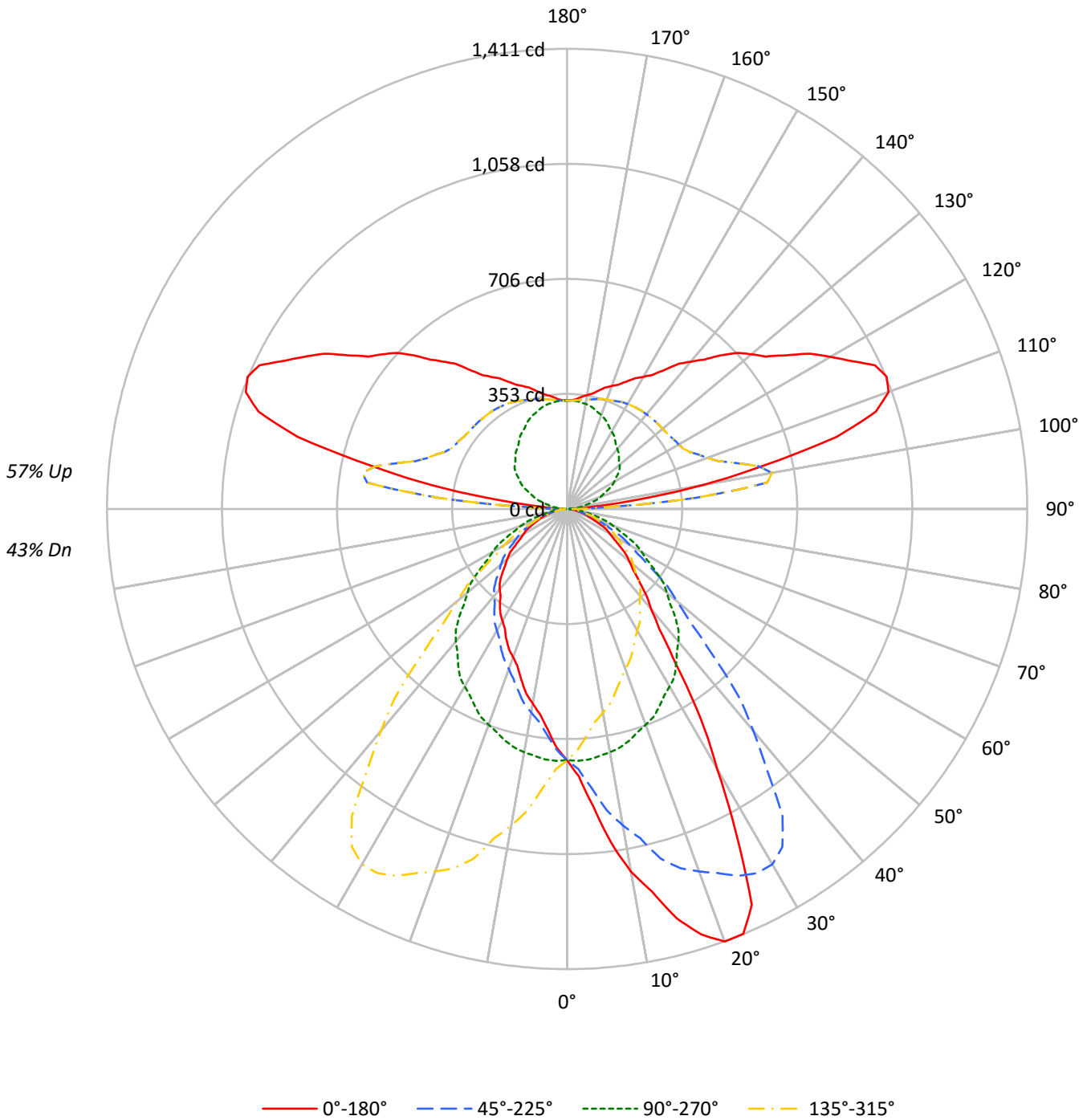
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43
1	97	93	89	86	88	85	82	79	71	68	66	57	56	54	45	44	43	38
2	89	82	76	71	81	75	70	66	62	59	56	51	48	46	40	39	37	32
3	81	72	65	60	74	66	60	55	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	50	44	62	53	46	41	45	39	35	37	33	30	30	27	25	21
6	63	52	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19
7	58	47	39	34	53	43	36	32	37	31	28	30	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	33	28	25	28	24	21	23	20	18	15
9	51	39	31	27	46	36	29	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8291	8291	8291	8291
5°	9884	8327	7333	8327
10°	12342	8279	6625	8279
15°	14487	8195	6042	8195
20°	16167	8069	5545	8069
25°	15909	7935	5241	7935
30°	11436	7812	4927	7812
35°	7636	7653	4724	7653
40°	5626	7461	4513	7461
45°	4719	7124	4306	7124
50°	4165	6683	4019	6683
55°	3652	6178	3626	6178
60°	3251	5694	3324	5694
65°	2855	5173	3092	5173
70°	2241	4711	2823	4711
75°	1975	4113	2578	4113
80°	1717	3496	2535	3496
85°	1383	2803	2692	2803



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.7
10°-20°	236.7	5.4
20°-30°	371.8	8.4
30°-40°	387.9	8.8
40°-50°	332.0	7.5
50°-60°	253.0	5.7
60°-70°	162.2	3.7
70°-80°	78.0	1.8
80°-90°	23.2	0.5
90°-100°	185.1	4.2
100°-110°	524.0	11.8
110°-120°	515.5	11.7
120°-130°	411.2	9.3
130°-140°	324.2	7.3
140°-150°	242.0	5.5
150°-160°	168.6	3.8
160°-170°	99.1	2.2
170°-180°	32.2	0.7
0°-30°	684.3	15.5
0°-40°	1072.2	24.2
0°-60°	1657.2	37.5
0°-90°	1920.7	43.4
90°-120°	1224.6	27.7
90°-150°	2201.9	49.8
90°-180°	2502.0	56.6
0°-180°	4422.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	770	770	770	770	770	
5°	915	771	679	771	915	94
15°	1300	735	542	735	1300	369
25°	1340	668	441	668	1340	576
35°	581	582	360	582	581	381
45°	310	468	283	468	310	244
55°	195	329	193	329	195	176
65°	112	203	121	203	112	110
75°	48	99	62	99	48	51
85°	11	23	22	23	11	13
90°	20	1	20	1	20	11
95°	78	23	78	23	78	141
105°	856	78	856	78	856	845
115°	1041	138	1041	138	1041	1012
125°	821	192	821	192	821	744
135°	666	225	666	225	666	516
145°	520	256	520	256	520	331
155°	431	291	431	291	431	201
165°	376	318	376	318	376	108
175°	339	332	339	332	339	33
180°	332	332	332	332	332	



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	820.4	821.6	818.1	817.6	813.6	812.6	812.6	807.0	803.6	799.1	796.5
5°	914.8	920.1	917.5	911.5	901.6	899.3	893.0	883.1	871.9	858.1	851.5
7.5°	1032.6	1039.8	1037.0	1027.9	1017.5	1009.1	991.4	975.0	952.0	931.9	914.6
10°	1129.2	1121.5	1115.7	1106.7	1097.2	1081.7	1063.2	1037.8	1008.5	985.4	959.7
12.5°	1201.4	1200.2	1192.7	1183.5	1170.0	1155.3	1132.6	1101.6	1067.6	1034.1	1004.8
15°	1300.0	1302.0	1297.0	1287.5	1268.3	1242.3	1208.0	1195.2	1146.3	1110.0	1073.8
17.5°	1368.2	1367.8	1367.1	1353.8	1334.4	1315.8	1284.0	1250.2	1206.0	1154.9	1106.0
20°	1411.4	1408.2	1408.9	1394.0	1379.5	1358.1	1327.1	1277.9	1241.6	1182.6	1132.1
22.5°	1410.4	1409.7	1412.2	1407.1	1396.6	1380.2	1355.8	1314.3	1268.0	1208.4	1151.7
25°	1339.5	1337.0	1352.5	1356.7	1373.6	1376.5	1369.2	1346.5	1302.6	1241.3	1171.0
27.5°	1121.1	1119.6	1148.4	1184.4	1230.1	1265.6	1299.9	1316.4	1302.6	1258.7	1188.4
30°	920.1	951.1	965.6	1017.7	1075.7	1145.0	1205.7	1263.3	1277.6	1258.4	1200.8
32.5°	763.9	790.9	803.1	847.8	901.9	983.0	1074.0	1155.7	1213.5	1228.1	1193.3
35°	581.1	581.4	609.1	628.9	679.0	762.4	850.8	960.3	1069.1	1151.6	1160.2
37.5°	463.6	465.3	482.1	501.8	539.4	583.5	661.3	752.3	878.0	1004.6	1078.8
40°	400.4	403.3	415.9	435.3	462.4	495.7	556.4	642.0	746.9	887.8	1002.9
42.5°	359.7	364.5	371.0	386.0	402.7	433.9	483.0	549.2	644.5	777.7	910.5
45°	310.0	312.6	317.5	324.5	339.7	361.4	394.4	438.9	518.1	625.3	758.2
47.5°	273.5	272.1	277.2	282.9	293.0	307.8	329.9	366.3	422.8	508.7	621.5
50°	248.7	248.3	251.9	256.2	265.8	276.7	294.8	322.2	367.0	438.2	541.5
52.5°	225.4	226.7	229.3	234.6	241.5	250.3	266.6	286.3	324.9	386.3	472.3
55°	194.6	195.5	199.1	202.2	207.1	216.0	226.3	242.7	269.1	311.9	382.9
57.5°	168.4	168.0	171.5	172.2	177.8	185.0	193.0	205.8	224.9	256.8	304.5
60°	151.0	150.1	153.0	155.3	158.3	164.2	170.8	183.4	198.5	222.0	262.9
62.5°	135.2	134.7	136.9	139.2	141.6	147.1	152.7	162.2	174.3	194.0	226.4
65°	112.1	113.1	114.1	115.1	116.4	119.7	125.0	131.6	139.8	153.7	177.1
67.5°	88.1	89.1	89.5	91.4	94.3	96.3	99.6	105.5	111.2	122.9	136.2
70°	71.2	70.9	71.2	72.2	75.9	79.5	83.8	88.1	91.7	100.0	111.2
72.5°	61.2	60.6	61.5	61.6	63.5	64.4	67.2	71.2	75.9	81.5	89.5
75°	47.5	47.5	47.5	47.5	48.8	49.5	50.5	51.5	53.1	55.7	61.6
77.5°	35.1	35.1	35.6	35.9	36.2	36.6	37.2	38.2	38.7	40.2	42.7
80°	27.7	28.1	27.7	28.1	28.1	28.7	29.0	30.0	30.3	32.0	33.0
82.5°	20.8	20.7	20.8	21.2	21.2	21.9	21.9	22.6	22.7	23.5	24.5
85°	11.2	10.6	11.2	10.8	11.5	10.8	11.2	11.9	11.9	12.2	13.5
87.5°	6.5	7.2	6.5	6.6	6.8	6.8	6.6	6.5	6.9	6.8	6.6
90°	19.5	20.2	19.5	18.9	19.5	18.2	17.5	16.8	16.2	16.8	14.8
92.5°	32.5	33.7	33.0	35.0	36.2	39.7	44.9	56.7	78.1	103.5	113.9
95°	78.1	80.8	85.5	91.5	104.4	128.5	164.3	242.4	323.8	399.2	355.4
97.5°	212.6	218.3	236.5	266.8	316.5	397.0	483.9	604.1	661.9	618.6	452.9
100°	422.1	421.4	447.6	496.8	564.7	660.4	739.1	793.7	770.1	637.5	430.8
102.5°	619.1	634.6	656.6	695.5	748.4	809.0	854.9	856.6	775.5	602.4	398.5
105°	856.3	859.6	881.1	906.7	937.7	955.2	942.4	875.1	734.4	541.2	358.8
107.5°	992.7	998.9	1006.3	1014.9	1014.3	990.3	931.3	822.1	662.5	487.1	333.5
110°	1048.8	1050.1	1051.5	1046.0	1027.3	980.1	895.3	771.5	617.3	456.4	323.8



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1060.1	1059.8	1054.7	1038.0	1003.5	943.0	847.9	721.3	578.0	435.9	318.4
115°	1041.4	1038.0	1024.5	994.9	944.4	871.1	772.1	655.0	530.5	414.0	316.4
117.5°	981.9	977.2	957.9	923.9	871.3	796.9	708.0	606.9	501.8	401.1	317.6
120°	932.3	928.2	912.1	874.4	821.2	753.3	672.4	581.6	486.7	395.1	319.8
122.5°	886.0	880.9	863.1	829.1	782.0	718.8	643.9	561.7	474.3	391.4	323.5
125°	821.2	816.5	799.7	770.1	727.0	673.1	608.6	535.1	458.4	386.4	329.2
127.5°	767.9	763.6	748.4	723.1	684.8	635.8	577.4	512.0	444.4	384.0	335.6
130°	737.8	732.4	718.2	694.1	658.3	612.6	558.0	497.5	436.9	382.4	339.9
132.5°	708.2	704.4	691.9	667.6	634.1	590.5	539.8	484.0	429.9	381.8	343.2
135°	665.7	661.0	648.9	628.7	595.7	557.3	513.6	465.8	420.7	381.0	348.0
137.5°	621.0	617.9	607.6	587.1	559.4	526.2	488.4	449.3	412.8	379.5	351.3
140°	589.7	590.4	579.5	560.8	535.1	506.2	473.9	439.5	407.9	379.0	353.4
142.5°	560.6	561.3	551.6	534.9	513.1	487.9	459.9	430.4	403.6	377.9	355.0
145°	520.3	519.0	513.6	499.5	482.7	463.1	441.6	419.4	397.9	376.3	356.1
147.5°	487.2	486.7	481.6	472.0	459.3	445.4	428.0	410.4	392.2	373.8	356.1
150°	467.9	467.9	463.8	456.4	446.3	433.5	419.4	403.9	388.4	371.6	356.1
152.5°	451.7	451.7	449.3	442.4	434.5	423.8	411.3	398.0	384.1	368.9	354.5
155°	431.4	430.8	429.5	424.0	418.0	409.9	399.8	389.1	377.6	364.2	352.8
157.5°	413.0	413.2	412.1	408.0	402.8	396.5	388.7	379.6	370.4	360.0	350.4
160°	401.2	401.8	401.8	397.9	393.1	388.4	381.7	374.3	365.5	356.8	349.4
162.5°	390.5	391.1	391.1	387.6	384.5	380.3	374.1	367.8	360.7	353.5	347.2
165°	376.3	376.3	376.9	374.3	371.6	368.2	363.5	359.5	354.0	348.7	344.0
167.5°	362.8	362.8	363.5	361.6	360.4	358.0	355.2	352.1	347.8	343.9	340.8
170°	354.7	354.7	355.4	354.0	353.4	352.1	349.4	347.3	344.0	340.6	338.6
172.5°	347.2	347.8	349.0	347.6	347.5	346.6	344.5	343.0	340.2	337.9	337.0
175°	338.6	339.2	339.9	339.2	339.2	339.2	337.9	337.3	335.9	334.6	334.6
177.5°	333.6	333.6	334.7	334.2	334.7	334.7	334.2	333.6	333.0	332.5	333.0
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	795.4	794.6	790.9	786.7	781.2	777.5	774.6	773.0	768.3	762.4	758.5
5°	844.6	834.7	824.1	811.2	799.4	787.2	779.6	770.7	759.8	747.6	739.0
7.5°	897.2	877.8	856.9	835.3	814.0	794.9	778.0	763.5	746.2	728.8	716.4
10°	937.5	909.2	879.9	849.8	822.4	796.8	777.0	757.5	736.8	716.6	701.5
12.5°	974.2	936.9	903.1	866.2	831.2	800.5	772.0	749.1	724.1	702.7	685.4
15°	1020.6	982.4	941.5	885.5	839.0	800.0	765.4	735.4	705.1	678.7	661.9
17.5°	1064.0	1006.5	951.6	904.7	844.4	795.7	753.5	717.6	684.3	656.3	635.6
20°	1082.0	1026.3	966.6	906.9	847.6	793.2	744.0	704.4	669.8	638.1	619.0
22.5°	1092.8	1029.7	966.8	902.7	839.6	783.1	734.5	691.0	653.4	623.4	599.8
25°	1105.4	1030.2	961.0	897.7	833.4	772.0	714.3	668.1	627.6	595.6	570.5
27.5°	1113.7	1025.3	943.4	873.1	807.8	746.7	693.9	644.9	603.7	569.9	543.0
30°	1115.3	1021.3	930.0	853.8	787.5	731.4	675.4	628.5	585.0	549.1	524.0
32.5°	1117.4	1011.6	911.8	830.9	763.0	707.5	656.7	611.9	567.3	531.9	506.4
35°	1108.7	1006.2	884.2	791.2	723.2	669.4	623.6	582.4	538.6	504.2	478.2
37.5°	1071.3	984.7	855.5	746.4	675.4	625.6	588.2	552.3	512.1	475.1	450.6
40°	1033.5	963.6	833.4	719.3	645.1	593.9	560.3	531.0	492.1	457.4	431.0
42.5°	977.3	934.9	812.3	690.8	610.7	561.5	533.1	505.6	471.5	436.3	411.5
45°	874.3	879.9	769.0	645.4	563.3	513.8	487.1	468.0	437.6	408.6	383.2
47.5°	744.9	797.4	718.3	597.0	513.2	466.7	443.4	426.7	406.3	377.8	354.6
50°	660.6	735.4	677.7	564.6	481.8	435.7	412.6	399.1	381.3	358.8	336.7
52.5°	582.7	663.1	628.6	528.4	447.8	405.5	383.0	371.9	357.7	336.7	316.7
55°	475.2	556.6	548.7	473.9	396.7	358.8	341.6	329.2	319.5	303.8	287.9
57.5°	384.4	461.6	465.7	413.2	351.7	314.3	299.5	290.1	283.8	271.9	257.3
60°	327.2	398.0	411.9	372.3	319.5	286.5	272.1	264.5	259.5	249.9	238.8
62.5°	279.7	340.0	355.7	327.2	288.7	257.8	246.5	239.2	235.8	227.6	217.7
65°	214.0	264.2	279.3	263.5	243.4	218.6	209.4	203.1	200.2	195.5	188.3
67.5°	160.9	197.5	214.1	202.9	195.7	180.0	174.2	170.8	168.2	165.1	158.9
70°	129.2	156.4	173.5	170.5	164.5	156.4	152.1	149.7	147.1	144.5	139.1
72.5°	103.9	122.5	138.6	140.2	135.3	133.6	129.8	128.9	127.3	124.2	121.2
75°	69.0	81.8	93.0	97.3	99.3	100.9	99.3	98.9	98.6	96.0	94.3
77.5°	45.2	52.1	59.2	66.5	69.6	71.8	72.3	73.5	72.7	71.3	70.5
80°	34.6	36.2	41.2	47.5	52.4	54.4	55.7	56.4	56.1	55.7	54.4
82.5°	25.1	26.5	28.8	33.2	37.4	40.7	41.5	41.3	42.1	42.3	41.2
85°	13.5	13.9	14.6	15.2	17.5	21.1	22.1	22.7	23.4	23.4	21.4
87.5°	6.8	6.1	6.2	5.9	6.5	6.4	7.7	8.7	9.2	8.4	8.9
90°	12.8	10.8	8.8	7.4	6.0	4.0	2.7	1.4	2.7	4.0	6.0
92.5°	85.5	56.6	38.9	28.9	23.3	18.1	12.4	8.4	12.4	18.1	23.3
95°	245.0	144.7	87.5	61.2	43.7	32.3	24.9	22.9	24.9	32.3	43.7
97.5°	268.9	155.8	101.1	72.7	55.4	45.5	39.7	39.0	39.7	45.5	55.4
100°	253.7	154.1	107.0	80.8	64.7	55.2	50.5	49.9	50.5	55.2	64.7
102.5°	240.8	156.3	114.0	90.0	75.4	66.5	62.3	61.1	62.3	66.5	75.4
105°	231.5	162.2	125.9	105.0	92.2	84.1	80.1	78.1	80.1	84.1	92.2
107.5°	230.9	173.2	141.4	122.0	109.9	102.0	98.2	96.1	98.2	102.0	109.9
110°	233.6	182.4	152.1	133.3	121.8	114.4	111.1	109.1	111.1	114.4	121.8



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	238.9	191.6	163.4	145.2	133.7	126.3	123.0	120.9	123.0	126.3	133.7
115°	247.7	206.6	181.1	162.9	151.4	144.7	140.7	138.0	140.7	144.7	151.4
117.5°	259.3	222.7	197.3	180.6	167.7	161.5	158.2	155.1	158.2	161.5	167.7
120°	267.9	232.9	208.7	191.8	179.1	172.3	168.9	166.9	168.9	172.3	179.1
122.5°	276.0	243.7	220.0	202.1	189.9	182.5	179.2	177.2	179.2	182.5	189.9
125°	288.8	259.2	235.6	217.4	204.7	197.3	193.2	191.8	193.2	197.3	204.7
127.5°	299.3	272.6	249.9	231.7	217.6	210.0	205.0	203.0	205.0	210.0	217.6
130°	306.3	280.7	258.5	240.3	226.2	218.1	212.1	210.0	212.1	218.1	226.2
132.5°	312.7	287.7	266.0	248.4	234.3	224.5	218.0	215.4	218.0	224.5	234.3
135°	321.1	298.2	277.3	259.2	245.0	235.0	227.6	224.8	227.6	235.0	245.0
137.5°	327.3	305.5	285.4	268.5	254.6	243.8	236.5	233.7	236.5	243.8	254.6
140°	330.5	310.3	290.8	274.0	260.5	249.8	243.0	239.6	243.0	249.8	260.5
142.5°	333.7	314.1	295.1	279.4	265.9	256.2	248.9	246.1	248.9	256.2	265.9
145°	337.3	319.1	301.6	286.1	274.7	264.6	258.5	256.5	258.5	264.6	274.7
147.5°	339.4	323.1	307.1	293.9	282.8	274.1	268.2	267.0	268.2	274.1	282.8
150°	339.9	325.8	310.3	298.2	288.8	280.0	274.7	274.0	274.7	280.0	288.8
152.5°	341.0	327.4	314.1	302.5	294.2	286.5	281.1	280.9	281.1	286.5	294.2
155°	341.3	330.5	319.1	309.6	302.2	295.5	291.4	291.4	291.4	295.5	302.2
157.5°	342.0	332.3	323.1	315.8	309.5	303.6	300.3	299.8	300.3	303.6	309.5
160°	342.0	333.9	325.8	319.1	314.4	309.0	306.3	306.3	306.3	309.0	314.4
162.5°	341.4	334.4	327.4	321.8	317.6	313.3	311.2	311.2	311.2	313.3	317.6
165°	339.9	335.2	329.8	325.1	322.4	319.1	317.7	318.4	317.7	319.1	322.4
167.5°	338.9	335.1	331.2	328.2	326.3	323.8	323.1	323.9	323.1	323.8	326.3
170°	337.3	334.6	331.2	329.8	328.5	326.5	325.8	327.2	325.8	326.5	328.5
172.5°	336.7	334.6	331.7	330.9	330.1	328.6	328.5	329.3	328.5	328.6	330.1
175°	335.2	333.9	332.5	331.8	331.8	330.5	331.2	331.8	331.2	330.5	331.8
177.5°	334.2	333.0	332.5	332.5	332.5	332.0	332.5	333.0	332.5	332.0	332.5
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	757.2	753.7	751.4	746.1	742.7	739.0	735.3	737.6	737.4	737.1	737.1
5°	731.8	724.2	717.3	708.3	702.7	695.9	690.5	689.9	691.2	686.6	684.0
7.5°	706.6	696.2	686.4	676.6	666.2	657.8	652.6	650.2	646.9	644.0	641.0
10°	688.9	676.7	667.1	655.0	643.8	633.9	627.6	623.3	621.0	618.6	614.4
12.5°	670.7	658.8	646.5	632.7	622.1	610.6	606.0	601.2	596.7	594.1	588.2
15°	644.0	628.5	615.7	601.2	589.4	578.1	571.5	562.0	560.6	557.3	551.4
17.5°	617.3	600.5	582.8	572.0	558.6	547.0	536.9	533.7	524.3	520.7	515.6
20°	596.2	580.7	567.2	553.0	533.6	522.7	514.8	510.5	502.9	498.3	495.0
22.5°	578.1	562.2	546.6	530.1	514.0	501.9	496.0	489.4	485.3	478.8	475.2
25°	552.1	534.9	516.1	498.3	486.7	477.5	468.3	462.4	456.4	453.4	446.9
27.5°	521.9	503.9	486.4	472.9	458.7	449.5	441.2	435.9	428.8	423.8	420.2
30°	505.2	484.1	469.0	456.8	438.6	430.1	423.8	417.2	411.9	406.7	402.9
32.5°	485.9	466.7	452.3	437.2	423.3	414.0	405.8	400.0	395.5	390.5	386.9
35°	455.7	439.6	424.7	409.6	399.3	389.8	380.2	375.3	371.0	366.4	363.1
37.5°	428.4	413.4	399.2	384.9	372.2	364.4	356.7	352.9	347.2	344.1	340.7
40°	411.6	396.7	381.6	367.7	354.5	348.6	341.6	336.0	330.8	328.5	324.9
42.5°	393.1	378.2	365.5	350.5	339.8	331.7	325.3	319.2	315.2	311.9	309.8
45°	365.8	352.5	340.0	325.2	315.0	308.0	300.7	295.2	291.5	289.2	285.6
47.5°	339.1	326.0	313.2	300.3	290.4	282.5	275.3	271.3	266.6	263.7	261.2
50°	319.9	308.0	294.5	282.6	272.8	264.8	258.9	253.9	249.6	246.0	244.4
52.5°	302.2	289.6	277.8	266.8	256.4	247.4	242.0	236.8	233.6	229.4	227.5
55°	273.0	260.9	251.0	240.0	229.9	222.3	215.7	211.0	207.8	203.1	200.5
57.5°	245.6	234.7	222.9	213.5	202.9	196.6	191.1	184.8	180.8	177.2	174.6
60°	227.2	214.6	204.5	195.5	186.3	178.1	173.1	168.2	163.9	160.2	158.0
62.5°	207.9	197.0	187.4	177.6	169.2	162.0	156.3	152.1	148.4	146.0	143.7
65°	178.4	169.9	160.0	152.1	144.1	138.9	134.2	130.6	127.9	126.3	124.3
67.5°	151.3	142.9	134.3	126.5	121.2	117.2	114.2	111.1	109.8	107.6	106.3
70°	133.5	125.0	117.4	111.5	106.2	103.2	101.3	98.9	97.6	95.0	93.7
72.5°	114.3	108.1	102.6	97.7	93.5	90.8	88.3	85.5	83.3	80.5	79.1
75°	90.1	84.5	80.2	76.8	74.2	70.6	67.0	64.0	63.0	62.0	61.6
77.5°	66.6	63.1	60.0	57.3	54.0	51.3	50.5	49.9	49.7	49.2	49.2
80°	52.4	49.2	46.8	43.6	41.6	41.6	41.6	40.9	41.2	41.2	41.2
82.5°	39.0	35.9	34.7	33.5	33.1	33.4	33.4	33.5	33.3	33.8	33.6
85°	20.1	20.4	21.1	20.8	21.1	21.1	21.8	21.4	21.8	21.1	21.8
87.5°	8.9	9.9	10.6	11.3	12.0	12.1	12.2	12.3	12.7	12.8	13.2
90°	7.4	8.8	10.8	12.8	14.8	16.8	16.2	16.8	17.5	18.2	19.5
92.5°	28.9	38.9	56.6	85.5	113.9	103.5	78.1	56.7	44.9	39.7	36.2
95°	61.2	87.5	144.7	245.0	355.4	399.2	323.8	242.4	164.3	128.5	104.4
97.5°	72.7	101.1	155.8	268.9	452.9	618.6	661.9	604.1	483.9	397.0	316.5
100°	80.8	107.0	154.1	253.7	430.8	637.5	770.1	793.7	739.1	660.4	564.7
102.5°	90.0	114.0	156.3	240.8	398.5	602.4	775.5	856.6	854.9	809.0	748.4
105°	105.0	125.9	162.2	231.5	358.8	541.2	734.4	875.1	942.4	955.2	937.7
107.5°	122.0	141.4	173.2	230.9	333.5	487.1	662.5	822.1	931.3	990.3	1014.3
110°	133.3	152.1	182.4	233.6	323.8	456.4	617.3	771.5	895.3	980.1	1027.3



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	145.2	163.4	191.6	238.9	318.4	435.9	578.0	721.3	847.9	943.0	1003.5
115°	162.9	181.1	206.6	247.7	316.4	414.0	530.5	655.0	772.1	871.1	944.4
117.5°	180.6	197.3	222.7	259.3	317.6	401.1	501.8	606.9	708.0	796.9	871.3
120°	191.8	208.7	232.9	267.9	319.8	395.1	486.7	581.6	672.4	753.3	821.2
122.5°	202.1	220.0	243.7	276.0	323.5	391.4	474.3	561.7	643.9	718.8	782.0
125°	217.4	235.6	259.2	288.8	329.2	386.4	458.4	535.1	608.6	673.1	727.0
127.5°	231.7	249.9	272.6	299.3	335.6	384.0	444.4	512.0	577.4	635.8	684.8
130°	240.3	258.5	280.7	306.3	339.9	382.4	436.9	497.5	558.0	612.6	658.3
132.5°	248.4	266.0	287.7	312.7	343.2	381.8	429.9	484.0	539.8	590.5	634.1
135°	259.2	277.3	298.2	321.1	348.0	381.0	420.7	465.8	513.6	557.3	595.7
137.5°	268.5	285.4	305.5	327.3	351.3	379.5	412.8	449.3	488.4	526.2	559.4
140°	274.0	290.8	310.3	330.5	353.4	379.0	407.9	439.5	473.9	506.2	535.1
142.5°	279.4	295.1	314.1	333.7	355.0	377.9	403.6	430.4	459.9	487.9	513.1
145°	286.1	301.6	319.1	337.3	356.1	376.3	397.9	419.4	441.6	463.1	482.7
147.5°	293.9	307.1	323.1	339.4	356.1	373.8	392.2	410.4	428.0	445.4	459.3
150°	298.2	310.3	325.8	339.9	356.1	371.6	388.4	403.9	419.4	433.5	446.3
152.5°	302.5	314.1	327.4	341.0	354.5	368.9	384.1	398.0	411.3	423.8	434.5
155°	309.6	319.1	330.5	341.3	352.8	364.2	377.6	389.1	399.8	409.9	418.0
157.5°	315.8	323.1	332.3	342.0	350.4	360.0	370.4	379.6	388.7	396.5	402.8
160°	319.1	325.8	333.9	342.0	349.4	356.8	365.5	374.3	381.7	388.4	393.1
162.5°	321.8	327.4	334.4	341.4	347.2	353.5	360.7	367.8	374.1	380.3	384.5
165°	325.1	329.8	335.2	339.9	344.0	348.7	354.0	359.5	363.5	368.2	371.6
167.5°	328.2	331.2	335.1	338.9	340.8	343.9	347.8	352.1	355.2	358.0	360.4
170°	329.8	331.2	334.6	337.3	338.6	340.6	344.0	347.3	349.4	352.1	353.4
172.5°	330.9	331.7	334.6	336.7	337.0	337.9	340.2	343.0	344.5	346.6	347.5
175°	331.8	332.5	333.9	335.2	334.6	334.6	335.9	337.3	337.9	339.2	339.2
177.5°	332.5	332.5	333.0	334.2	333.0	332.5	333.0	333.6	334.2	334.7	334.7
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	733.9	733.7	733.9	732.9	733.9	733.7	733.9	737.1	737.1	737.4	737.6
5°	682.9	682.6	681.7	678.7	681.7	682.6	682.9	684.0	686.6	691.2	689.9
7.5°	638.4	638.0	635.1	635.2	635.1	638.0	638.4	641.0	644.0	646.9	650.2
10°	612.1	612.4	608.5	606.1	608.5	612.4	612.1	614.4	618.6	621.0	623.3
12.5°	586.5	585.0	581.8	579.2	581.8	585.0	586.5	588.2	594.1	596.7	601.2
15°	552.7	549.4	541.5	542.2	541.5	549.4	552.7	551.4	557.3	560.6	562.0
17.5°	512.9	510.5	510.4	505.8	510.4	510.5	512.9	515.6	520.7	524.3	533.7
20°	489.7	488.1	488.7	484.1	488.7	488.1	489.7	495.0	498.3	502.9	510.5
22.5°	471.5	469.8	467.1	465.6	467.1	469.8	471.5	475.2	478.8	485.3	489.4
25°	444.9	442.2	439.6	441.3	439.6	442.2	444.9	446.9	453.4	456.4	462.4
27.5°	418.2	416.2	413.6	413.3	413.6	416.2	418.2	420.2	423.8	428.8	435.9
30°	401.3	399.3	398.0	396.4	398.0	399.3	401.3	402.9	406.7	411.9	417.2
32.5°	384.2	383.8	381.4	381.1	381.4	383.8	384.2	386.9	390.5	395.5	400.0
35°	361.8	359.8	359.1	359.5	359.1	359.8	361.8	363.1	366.4	371.0	375.3
37.5°	340.4	337.9	336.7	335.4	336.7	337.9	340.4	340.7	344.1	347.2	352.9
40°	325.2	322.5	321.8	321.2	321.8	322.5	325.2	324.9	328.5	330.8	336.0
42.5°	308.0	306.9	306.6	305.4	306.6	306.9	308.0	309.8	311.9	315.2	319.2
45°	284.6	284.3	282.3	282.9	282.3	284.3	284.6	285.6	289.2	291.5	295.2
47.5°	259.9	258.5	257.1	258.0	257.1	258.5	259.9	261.2	263.7	266.6	271.3
50°	243.1	242.4	239.4	240.0	239.4	242.4	243.1	244.4	246.0	249.6	253.9
52.5°	226.2	223.7	222.6	222.1	222.6	223.7	226.2	227.5	229.4	233.6	236.8
55°	198.2	195.2	193.9	193.2	193.9	195.2	198.2	200.5	203.1	207.8	211.0
57.5°	170.7	170.0	168.9	169.6	168.9	170.0	170.7	174.6	177.2	180.8	184.8
60°	154.6	154.6	154.6	154.4	154.6	154.6	154.6	158.0	160.2	163.9	168.2
62.5°	142.2	141.5	141.2	141.6	141.2	141.5	142.2	143.7	146.0	148.4	152.1
65°	123.3	123.0	121.7	121.4	121.7	123.0	123.3	124.3	126.3	127.9	130.6
67.5°	105.5	104.3	103.9	103.4	103.9	104.3	105.5	106.3	107.6	109.8	111.1
70°	92.0	91.4	89.4	89.7	89.4	91.4	92.0	93.7	95.0	97.6	98.9
72.5°	77.5	76.8	76.5	75.9	76.5	76.8	77.5	79.1	80.5	83.3	85.5
75°	61.3	61.0	60.7	62.0	60.7	61.0	61.3	61.6	62.0	63.0	64.0
77.5°	49.2	49.2	49.3	48.8	49.3	49.2	49.2	49.2	49.2	49.7	49.9
80°	41.2	41.2	40.9	40.9	40.9	41.2	41.2	41.2	41.2	41.2	40.9
82.5°	33.1	33.3	33.5	33.0	33.5	33.3	33.1	33.6	33.8	33.3	33.5
85°	21.8	21.4	22.1	21.8	22.1	21.4	21.8	21.8	21.1	21.8	21.4
87.5°	13.5	13.2	13.3	13.4	13.3	13.2	13.5	13.2	12.8	12.7	12.3
90°	18.9	19.5	20.2	19.5	20.2	19.5	18.9	19.5	18.2	17.5	16.8
92.5°	35.0	33.0	33.7	32.5	33.7	33.0	35.0	36.2	39.7	44.9	56.7
95°	91.5	85.5	80.8	78.1	80.8	85.5	91.5	104.4	128.5	164.3	242.4
97.5°	266.8	236.5	218.3	212.6	218.3	236.5	266.8	316.5	397.0	483.9	604.1
100°	496.8	447.6	421.4	422.1	421.4	447.6	496.8	564.7	660.4	739.1	793.7
102.5°	695.5	656.6	634.6	619.1	634.6	656.6	695.5	748.4	809.0	854.9	856.6
105°	906.7	881.1	859.6	856.3	859.6	881.1	906.7	937.7	955.2	942.4	875.1
107.5°	1014.9	1006.3	998.9	992.7	998.9	1006.3	1014.9	1014.3	990.3	931.3	822.1
110°	1046.0	1051.5	1050.1	1048.8	1050.1	1051.5	1046.0	1027.3	980.1	895.3	771.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1038.0	1054.7	1059.8	1060.1	1059.8	1054.7	1038.0	1003.5	943.0	847.9	721.3
115°	994.9	1024.5	1038.0	1041.4	1038.0	1024.5	994.9	944.4	871.1	772.1	655.0
117.5°	923.9	957.9	977.2	981.9	977.2	957.9	923.9	871.3	796.9	708.0	606.9
120°	874.4	912.1	928.2	932.3	928.2	912.1	874.4	821.2	753.3	672.4	581.6
122.5°	829.1	863.1	880.9	886.0	880.9	863.1	829.1	782.0	718.8	643.9	561.7
125°	770.1	799.7	816.5	821.2	816.5	799.7	770.1	727.0	673.1	608.6	535.1
127.5°	723.1	748.4	763.6	767.9	763.6	748.4	723.1	684.8	635.8	577.4	512.0
130°	694.1	718.2	732.4	737.8	732.4	718.2	694.1	658.3	612.6	558.0	497.5
132.5°	667.6	691.9	704.4	708.2	704.4	691.9	667.6	634.1	590.5	539.8	484.0
135°	628.7	648.9	661.0	665.7	661.0	648.9	628.7	595.7	557.3	513.6	465.8
137.5°	587.1	607.6	617.9	621.0	617.9	607.6	587.1	559.4	526.2	488.4	449.3
140°	560.8	579.5	590.4	589.7	590.4	579.5	560.8	535.1	506.2	473.9	439.5
142.5°	534.9	551.6	561.3	560.6	561.3	551.6	534.9	513.1	487.9	459.9	430.4
145°	499.5	513.6	519.0	520.3	519.0	513.6	499.5	482.7	463.1	441.6	419.4
147.5°	472.0	481.6	486.7	487.2	486.7	481.6	472.0	459.3	445.4	428.0	410.4
150°	456.4	463.8	467.9	467.9	467.9	463.8	456.4	446.3	433.5	419.4	403.9
152.5°	442.4	449.3	451.7	451.7	451.7	449.3	442.4	434.5	423.8	411.3	398.0
155°	424.0	429.5	430.8	431.4	430.8	429.5	424.0	418.0	409.9	399.8	389.1
157.5°	408.0	412.1	413.2	413.0	413.2	412.1	408.0	402.8	396.5	388.7	379.6
160°	397.9	401.8	401.8	401.2	401.8	401.8	397.9	393.1	388.4	381.7	374.3
162.5°	387.6	391.1	391.1	390.5	391.1	391.1	387.6	384.5	380.3	374.1	367.8
165°	374.3	376.9	376.3	376.3	376.3	376.9	374.3	371.6	368.2	363.5	359.5
167.5°	361.6	363.5	362.8	362.8	362.8	363.5	361.6	360.4	358.0	355.2	352.1
170°	354.0	355.4	354.7	354.7	354.7	355.4	354.0	353.4	352.1	349.4	347.3
172.5°	347.6	349.0	347.8	347.2	347.8	349.0	347.6	347.5	346.6	344.5	343.0
175°	339.2	339.9	339.2	338.6	339.2	339.9	339.2	339.2	339.2	337.9	337.3
177.5°	334.2	334.7	333.6	333.6	333.6	334.7	334.2	334.7	334.7	334.2	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	735.3	739.0	742.7	746.1	751.4	753.7	757.2	758.5	762.4	768.3	773.0
5°	690.5	695.9	702.7	708.3	717.3	724.2	731.8	739.0	747.6	759.8	770.7
7.5°	652.6	657.8	666.2	676.6	686.4	696.2	706.6	716.4	728.8	746.2	763.5
10°	627.6	633.9	643.8	655.0	667.1	676.7	688.9	701.5	716.6	736.8	757.5
12.5°	606.0	610.6	622.1	632.7	646.5	658.8	670.7	685.4	702.7	724.1	749.1
15°	571.5	578.1	589.4	601.2	615.7	628.5	644.0	661.9	678.7	705.1	735.4
17.5°	536.9	547.0	558.6	572.0	582.8	600.5	617.3	635.6	656.3	684.3	717.6
20°	514.8	522.7	533.6	553.0	567.2	580.7	596.2	619.0	638.1	669.8	704.4
22.5°	496.0	501.9	514.0	530.1	546.6	562.2	578.1	599.8	623.4	653.4	691.0
25°	468.3	477.5	486.7	498.3	516.1	534.9	552.1	570.5	595.6	627.6	668.1
27.5°	441.2	449.5	458.7	472.9	486.4	503.9	521.9	543.0	569.9	603.7	644.9
30°	423.8	430.1	438.6	456.8	469.0	484.1	505.2	524.0	549.1	585.0	628.5
32.5°	405.8	414.0	423.3	437.2	452.3	466.7	485.9	506.4	531.9	567.3	611.9
35°	380.2	389.8	399.3	409.6	424.7	439.6	455.7	478.2	504.2	538.6	582.4
37.5°	356.7	364.4	372.2	384.9	399.2	413.4	428.4	450.6	475.1	512.1	552.3
40°	341.6	348.6	354.5	367.7	381.6	396.7	411.6	431.0	457.4	492.1	531.0
42.5°	325.3	331.7	339.8	350.5	365.5	378.2	393.1	411.5	436.3	471.5	505.6
45°	300.7	308.0	315.0	325.2	340.0	352.5	365.8	383.2	408.6	437.6	468.0
47.5°	275.3	282.5	290.4	300.3	313.2	326.0	339.1	354.6	377.8	406.3	426.7
50°	258.9	264.8	272.8	282.6	294.5	308.0	319.9	336.7	358.8	381.3	399.1
52.5°	242.0	247.4	256.4	266.8	277.8	289.6	302.2	316.7	336.7	357.7	371.9
55°	215.7	222.3	229.9	240.0	251.0	260.9	273.0	287.9	303.8	319.5	329.2
57.5°	191.1	196.6	202.9	213.5	222.9	234.7	245.6	257.3	271.9	283.8	290.1
60°	173.1	178.1	186.3	195.5	204.5	214.6	227.2	238.8	249.9	259.5	264.5
62.5°	156.3	162.0	169.2	177.6	187.4	197.0	207.9	217.7	227.6	235.8	239.2
65°	134.2	138.9	144.1	152.1	160.0	169.9	178.4	188.3	195.5	200.2	203.1
67.5°	114.2	117.2	121.2	126.5	134.3	142.9	151.3	158.9	165.1	168.2	170.8
70°	101.3	103.2	106.2	111.5	117.4	125.0	133.5	139.1	144.5	147.1	149.7
72.5°	88.3	90.8	93.5	97.7	102.6	108.1	114.3	121.2	124.2	127.3	128.9
75°	67.0	70.6	74.2	76.8	80.2	84.5	90.1	94.3	96.0	98.6	98.9
77.5°	50.5	51.3	54.0	57.3	60.0	63.1	66.6	70.5	71.3	72.7	73.5
80°	41.6	41.6	41.6	43.6	46.8	49.2	52.4	54.4	55.7	56.1	56.4
82.5°	33.4	33.4	33.1	33.5	34.7	35.9	39.0	41.2	42.3	42.1	41.3
85°	21.8	21.1	21.1	20.8	21.1	20.4	20.1	21.4	23.4	23.4	22.7
87.5°	12.2	12.1	12.0	11.3	10.6	9.9	8.9	8.9	8.4	9.2	8.7
90°	16.2	16.8	14.8	12.8	10.8	8.8	7.4	6.0	4.0	2.7	1.4
92.5°	78.1	103.5	113.9	85.5	56.6	38.9	28.9	23.3	18.1	12.4	8.4
95°	323.8	399.2	355.4	245.0	144.7	87.5	61.2	43.7	32.3	24.9	22.9
97.5°	661.9	618.6	452.9	268.9	155.8	101.1	72.7	55.4	45.5	39.7	39.0
100°	770.1	637.5	430.8	253.7	154.1	107.0	80.8	64.7	55.2	50.5	49.9
102.5°	775.5	602.4	398.5	240.8	156.3	114.0	90.0	75.4	66.5	62.3	61.1
105°	734.4	541.2	358.8	231.5	162.2	125.9	105.0	92.2	84.1	80.1	78.1
107.5°	662.5	487.1	333.5	230.9	173.2	141.4	122.0	109.9	102.0	98.2	96.1
110°	617.3	456.4	323.8	233.6	182.4	152.1	133.3	121.8	114.4	111.1	109.1



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	578.0	435.9	318.4	238.9	191.6	163.4	145.2	133.7	126.3	123.0	120.9
115°	530.5	414.0	316.4	247.7	206.6	181.1	162.9	151.4	144.7	140.7	138.0
117.5°	501.8	401.1	317.6	259.3	222.7	197.3	180.6	167.7	161.5	158.2	155.1
120°	486.7	395.1	319.8	267.9	232.9	208.7	191.8	179.1	172.3	168.9	166.9
122.5°	474.3	391.4	323.5	276.0	243.7	220.0	202.1	189.9	182.5	179.2	177.2
125°	458.4	386.4	329.2	288.8	259.2	235.6	217.4	204.7	197.3	193.2	191.8
127.5°	444.4	384.0	335.6	299.3	272.6	249.9	231.7	217.6	210.0	205.0	203.0
130°	436.9	382.4	339.9	306.3	280.7	258.5	240.3	226.2	218.1	212.1	210.0
132.5°	429.9	381.8	343.2	312.7	287.7	266.0	248.4	234.3	224.5	218.0	215.4
135°	420.7	381.0	348.0	321.1	298.2	277.3	259.2	245.0	235.0	227.6	224.8
137.5°	412.8	379.5	351.3	327.3	305.5	285.4	268.5	254.6	243.8	236.5	233.7
140°	407.9	379.0	353.4	330.5	310.3	290.8	274.0	260.5	249.8	243.0	239.6
142.5°	403.6	377.9	355.0	333.7	314.1	295.1	279.4	265.9	256.2	248.9	246.1
145°	397.9	376.3	356.1	337.3	319.1	301.6	286.1	274.7	264.6	258.5	256.5
147.5°	392.2	373.8	356.1	339.4	323.1	307.1	293.9	282.8	274.1	268.2	267.0
150°	388.4	371.6	356.1	339.9	325.8	310.3	298.2	288.8	280.0	274.7	274.0
152.5°	384.1	368.9	354.5	341.0	327.4	314.1	302.5	294.2	286.5	281.1	280.9
155°	377.6	364.2	352.8	341.3	330.5	319.1	309.6	302.2	295.5	291.4	291.4
157.5°	370.4	360.0	350.4	342.0	332.3	323.1	315.8	309.5	303.6	300.3	299.8
160°	365.5	356.8	349.4	342.0	333.9	325.8	319.1	314.4	309.0	306.3	306.3
162.5°	360.7	353.5	347.2	341.4	334.4	327.4	321.8	317.6	313.3	311.2	311.2
165°	354.0	348.7	344.0	339.9	335.2	329.8	325.1	322.4	319.1	317.7	318.4
167.5°	347.8	343.9	340.8	338.9	335.1	331.2	328.2	326.3	323.8	323.1	323.9
170°	344.0	340.6	338.6	337.3	334.6	331.2	329.8	328.5	326.5	325.8	327.2
172.5°	340.2	337.9	337.0	336.7	334.6	331.7	330.9	330.1	328.6	328.5	329.3
175°	335.9	334.6	334.6	335.2	333.9	332.5	331.8	331.8	330.5	331.2	331.8
177.5°	333.0	332.5	333.0	334.2	333.0	332.5	332.5	332.5	332.0	332.5	333.0
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	774.6	777.5	781.2	786.7	790.9	794.6	795.4	796.5	799.1	803.6	807.0
5°	779.6	787.2	799.4	811.2	824.1	834.7	844.6	851.5	858.1	871.9	883.1
7.5°	778.0	794.9	814.0	835.3	856.9	877.8	897.2	914.6	931.9	952.0	975.0
10°	777.0	796.8	822.4	849.8	879.9	909.2	937.5	959.7	985.4	1008.5	1037.8
12.5°	772.0	800.5	831.2	866.2	903.1	936.9	974.2	1004.8	1034.1	1067.6	1101.6
15°	765.4	800.0	839.0	885.5	941.5	982.4	1020.6	1073.8	1110.0	1146.3	1195.2
17.5°	753.5	795.7	844.4	904.7	951.6	1006.5	1064.0	1106.0	1154.9	1206.0	1250.2
20°	744.0	793.2	847.6	906.9	966.6	1026.3	1082.0	1132.1	1182.6	1241.6	1277.9
22.5°	734.5	783.1	839.6	902.7	966.8	1029.7	1092.8	1151.7	1208.4	1268.0	1314.3
25°	714.3	772.0	833.4	897.7	961.0	1030.2	1105.4	1171.0	1241.3	1302.6	1346.5
27.5°	693.9	746.7	807.8	873.1	943.4	1025.3	1113.7	1188.4	1258.7	1302.6	1316.4
30°	675.4	731.4	787.5	853.8	930.0	1021.3	1115.3	1200.8	1258.4	1277.6	1263.3
32.5°	656.7	707.5	763.0	830.9	911.8	1011.6	1117.4	1193.3	1228.1	1213.5	1155.7
35°	623.6	669.4	723.2	791.2	884.2	1006.2	1108.7	1160.2	1151.6	1069.1	960.3
37.5°	588.2	625.6	675.4	746.4	855.5	984.7	1071.3	1078.8	1004.6	878.0	752.3
40°	560.3	593.9	645.1	719.3	833.4	963.6	1033.5	1002.9	887.8	746.9	642.0
42.5°	533.1	561.5	610.7	690.8	812.3	934.9	977.3	910.5	777.7	644.5	549.2
45°	487.1	513.8	563.3	645.4	769.0	879.9	874.3	758.2	625.3	518.1	438.9
47.5°	443.4	466.7	513.2	597.0	718.3	797.4	744.9	621.5	508.7	422.8	366.3
50°	412.6	435.7	481.8	564.6	677.7	735.4	660.6	541.5	438.2	367.0	322.2
52.5°	383.0	405.5	447.8	528.4	628.6	663.1	582.7	472.3	386.3	324.9	286.3
55°	341.6	358.8	396.7	473.9	548.7	556.6	475.2	382.9	311.9	269.1	242.7
57.5°	299.5	314.3	351.7	413.2	465.7	461.6	384.4	304.5	256.8	224.9	205.8
60°	272.1	286.5	319.5	372.3	411.9	398.0	327.2	262.9	222.0	198.5	183.4
62.5°	246.5	257.8	288.7	327.2	355.7	340.0	279.7	226.4	194.0	174.3	162.2
65°	209.4	218.6	243.4	263.5	279.3	264.2	214.0	177.1	153.7	139.8	131.6
67.5°	174.2	180.0	195.7	202.9	214.1	197.5	160.9	136.2	122.9	111.2	105.5
70°	152.1	156.4	164.5	170.5	173.5	156.4	129.2	111.2	100.0	91.7	88.1
72.5°	129.8	133.6	135.3	140.2	138.6	122.5	103.9	89.5	81.5	75.9	71.2
75°	99.3	100.9	99.3	97.3	93.0	81.8	69.0	61.6	55.7	53.1	51.5
77.5°	72.3	71.8	69.6	66.5	59.2	52.1	45.2	42.7	40.2	38.7	38.2
80°	55.7	54.4	52.4	47.5	41.2	36.2	34.6	33.0	32.0	30.3	30.0
82.5°	41.5	40.7	37.4	33.2	28.8	26.5	25.1	24.5	23.5	22.7	22.6
85°	22.1	21.1	17.5	15.2	14.6	13.9	13.5	13.5	12.2	11.9	11.9
87.5°	7.7	6.4	6.5	5.9	6.2	6.1	6.8	6.6	6.8	6.9	6.5
90°	2.7	4.0	6.0	7.4	8.8	10.8	12.8	14.8	16.8	16.2	16.8
92.5°	12.4	18.1	23.3	28.9	38.9	56.6	85.5	113.9	103.5	78.1	56.7
95°	24.9	32.3	43.7	61.2	87.5	144.7	245.0	355.4	399.2	323.8	242.4
97.5°	39.7	45.5	55.4	72.7	101.1	155.8	268.9	452.9	618.6	661.9	604.1
100°	50.5	55.2	64.7	80.8	107.0	154.1	253.7	430.8	637.5	770.1	793.7
102.5°	62.3	66.5	75.4	90.0	114.0	156.3	240.8	398.5	602.4	775.5	856.6
105°	80.1	84.1	92.2	105.0	125.9	162.2	231.5	358.8	541.2	734.4	875.1
107.5°	98.2	102.0	109.9	122.0	141.4	173.2	230.9	333.5	487.1	662.5	822.1
110°	111.1	114.4	121.8	133.3	152.1	182.4	233.6	323.8	456.4	617.3	771.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.0	126.3	133.7	145.2	163.4	191.6	238.9	318.4	435.9	578.0	721.3
115°	140.7	144.7	151.4	162.9	181.1	206.6	247.7	316.4	414.0	530.5	655.0
117.5°	158.2	161.5	167.7	180.6	197.3	222.7	259.3	317.6	401.1	501.8	606.9
120°	168.9	172.3	179.1	191.8	208.7	232.9	267.9	319.8	395.1	486.7	581.6
122.5°	179.2	182.5	189.9	202.1	220.0	243.7	276.0	323.5	391.4	474.3	561.7
125°	193.2	197.3	204.7	217.4	235.6	259.2	288.8	329.2	386.4	458.4	535.1
127.5°	205.0	210.0	217.6	231.7	249.9	272.6	299.3	335.6	384.0	444.4	512.0
130°	212.1	218.1	226.2	240.3	258.5	280.7	306.3	339.9	382.4	436.9	497.5
132.5°	218.0	224.5	234.3	248.4	266.0	287.7	312.7	343.2	381.8	429.9	484.0
135°	227.6	235.0	245.0	259.2	277.3	298.2	321.1	348.0	381.0	420.7	465.8
137.5°	236.5	243.8	254.6	268.5	285.4	305.5	327.3	351.3	379.5	412.8	449.3
140°	243.0	249.8	260.5	274.0	290.8	310.3	330.5	353.4	379.0	407.9	439.5
142.5°	248.9	256.2	265.9	279.4	295.1	314.1	333.7	355.0	377.9	403.6	430.4
145°	258.5	264.6	274.7	286.1	301.6	319.1	337.3	356.1	376.3	397.9	419.4
147.5°	268.2	274.1	282.8	293.9	307.1	323.1	339.4	356.1	373.8	392.2	410.4
150°	274.7	280.0	288.8	298.2	310.3	325.8	339.9	356.1	371.6	388.4	403.9
152.5°	281.1	286.5	294.2	302.5	314.1	327.4	341.0	354.5	368.9	384.1	398.0
155°	291.4	295.5	302.2	309.6	319.1	330.5	341.3	352.8	364.2	377.6	389.1
157.5°	300.3	303.6	309.5	315.8	323.1	332.3	342.0	350.4	360.0	370.4	379.6
160°	306.3	309.0	314.4	319.1	325.8	333.9	342.0	349.4	356.8	365.5	374.3
162.5°	311.2	313.3	317.6	321.8	327.4	334.4	341.4	347.2	353.5	360.7	367.8
165°	317.7	319.1	322.4	325.1	329.8	335.2	339.9	344.0	348.7	354.0	359.5
167.5°	323.1	323.8	326.3	328.2	331.2	335.1	338.9	340.8	343.9	347.8	352.1
170°	325.8	326.5	328.5	329.8	331.2	334.6	337.3	338.6	340.6	344.0	347.3
172.5°	328.5	328.6	330.1	330.9	331.7	334.6	336.7	337.0	337.9	340.2	343.0
175°	331.2	330.5	331.8	331.8	332.5	333.9	335.2	334.6	334.6	335.9	337.3
177.5°	332.5	332.0	332.5	332.5	332.5	333.0	334.2	333.0	332.5	333.0	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	812.6	812.6	813.6	817.6	818.1	821.6	820.4
5°	893.0	899.3	901.6	911.5	917.5	920.1	914.8
7.5°	991.4	1009.1	1017.5	1027.9	1037.0	1039.8	1032.6
10°	1063.2	1081.7	1097.2	1106.7	1115.7	1121.5	1129.2
12.5°	1132.6	1155.3	1170.0	1183.5	1192.7	1200.2	1201.4
15°	1208.0	1242.3	1268.3	1287.5	1297.0	1302.0	1300.0
17.5°	1284.0	1315.8	1334.4	1353.8	1367.1	1367.8	1368.2
20°	1327.1	1358.1	1379.5	1394.0	1408.9	1408.2	1411.4
22.5°	1355.8	1380.2	1396.6	1407.1	1412.2	1409.7	1410.4
25°	1369.2	1376.5	1373.6	1356.7	1352.5	1337.0	1339.5
27.5°	1299.9	1265.6	1230.1	1184.4	1148.4	1119.6	1121.1
30°	1205.7	1145.0	1075.7	1017.7	965.6	951.1	920.1
32.5°	1074.0	983.0	901.9	847.8	803.1	790.9	763.9
35°	850.8	762.4	679.0	628.9	609.1	581.4	581.1
37.5°	661.3	583.5	539.4	501.8	482.1	465.3	463.6
40°	556.4	495.7	462.4	435.3	415.9	403.3	400.4
42.5°	483.0	433.9	402.7	386.0	371.0	364.5	359.7
45°	394.4	361.4	339.7	324.5	317.5	312.6	310.0
47.5°	329.9	307.8	293.0	282.9	277.2	272.1	273.5
50°	294.8	276.7	265.8	256.2	251.9	248.3	248.7
52.5°	266.6	250.3	241.5	234.6	229.3	226.7	225.4
55°	226.3	216.0	207.1	202.2	199.1	195.5	194.6
57.5°	193.0	185.0	177.8	172.2	171.5	168.0	168.4
60°	170.8	164.2	158.3	155.3	153.0	150.1	151.0
62.5°	152.7	147.1	141.6	139.2	136.9	134.7	135.2
65°	125.0	119.7	116.4	115.1	114.1	113.1	112.1
67.5°	99.6	96.3	94.3	91.4	89.5	89.1	88.1
70°	83.8	79.5	75.9	72.2	71.2	70.9	71.2
72.5°	67.2	64.4	63.5	61.6	61.5	60.6	61.2
75°	50.5	49.5	48.8	47.5	47.5	47.5	47.5
77.5°	37.2	36.6	36.2	35.9	35.6	35.1	35.1
80°	29.0	28.7	28.1	28.1	27.7	28.1	27.7
82.5°	21.9	21.9	21.2	21.2	20.8	20.7	20.8
85°	11.2	10.8	11.5	10.8	11.2	10.6	11.2
87.5°	6.6	6.8	6.8	6.6	6.5	7.2	6.5
90°	17.5	18.2	19.5	18.9	19.5	20.2	19.5
92.5°	44.9	39.7	36.2	35.0	33.0	33.7	32.5
95°	164.3	128.5	104.4	91.5	85.5	80.8	78.1
97.5°	483.9	397.0	316.5	266.8	236.5	218.3	212.6
100°	739.1	660.4	564.7	496.8	447.6	421.4	422.1
102.5°	854.9	809.0	748.4	695.5	656.6	634.6	619.1
105°	942.4	955.2	937.7	906.7	881.1	859.6	856.3
107.5°	931.3	990.3	1014.3	1014.9	1006.3	998.9	992.7
110°	895.3	980.1	1027.3	1046.0	1051.5	1050.1	1048.8



TEST NUMBER: P332284-935

CATALOG NUMBER: S123RDIP-S560D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	847.9	943.0	1003.5	1038.0	1054.7	1059.8	1060.1
115°	772.1	871.1	944.4	994.9	1024.5	1038.0	1041.4
117.5°	708.0	796.9	871.3	923.9	957.9	977.2	981.9
120°	672.4	753.3	821.2	874.4	912.1	928.2	932.3
122.5°	643.9	718.8	782.0	829.1	863.1	880.9	886.0
125°	608.6	673.1	727.0	770.1	799.7	816.5	821.2
127.5°	577.4	635.8	684.8	723.1	748.4	763.6	767.9
130°	558.0	612.6	658.3	694.1	718.2	732.4	737.8
132.5°	539.8	590.5	634.1	667.6	691.9	704.4	708.2
135°	513.6	557.3	595.7	628.7	648.9	661.0	665.7
137.5°	488.4	526.2	559.4	587.1	607.6	617.9	621.0
140°	473.9	506.2	535.1	560.8	579.5	590.4	589.7
142.5°	459.9	487.9	513.1	534.9	551.6	561.3	560.6
145°	441.6	463.1	482.7	499.5	513.6	519.0	520.3
147.5°	428.0	445.4	459.3	472.0	481.6	486.7	487.2
150°	419.4	433.5	446.3	456.4	463.8	467.9	467.9
152.5°	411.3	423.8	434.5	442.4	449.3	451.7	451.7
155°	399.8	409.9	418.0	424.0	429.5	430.8	431.4
157.5°	388.7	396.5	402.8	408.0	412.1	413.2	413.0
160°	381.7	388.4	393.1	397.9	401.8	401.8	401.2
162.5°	374.1	380.3	384.5	387.6	391.1	391.1	390.5
165°	363.5	368.2	371.6	374.3	376.9	376.3	376.3
167.5°	355.2	358.0	360.4	361.6	363.5	362.8	362.8
170°	349.4	352.1	353.4	354.0	355.4	354.7	354.7
172.5°	344.5	346.6	347.5	347.6	349.0	347.8	347.2
175°	337.9	339.2	339.2	339.2	339.9	339.2	338.6
177.5°	334.2	334.7	334.7	334.2	334.7	333.6	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5

(END OF REPORT)