

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: P333527

Luminaire Tested: **S125RDIP-S610D590U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333527
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D590U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4444.6 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

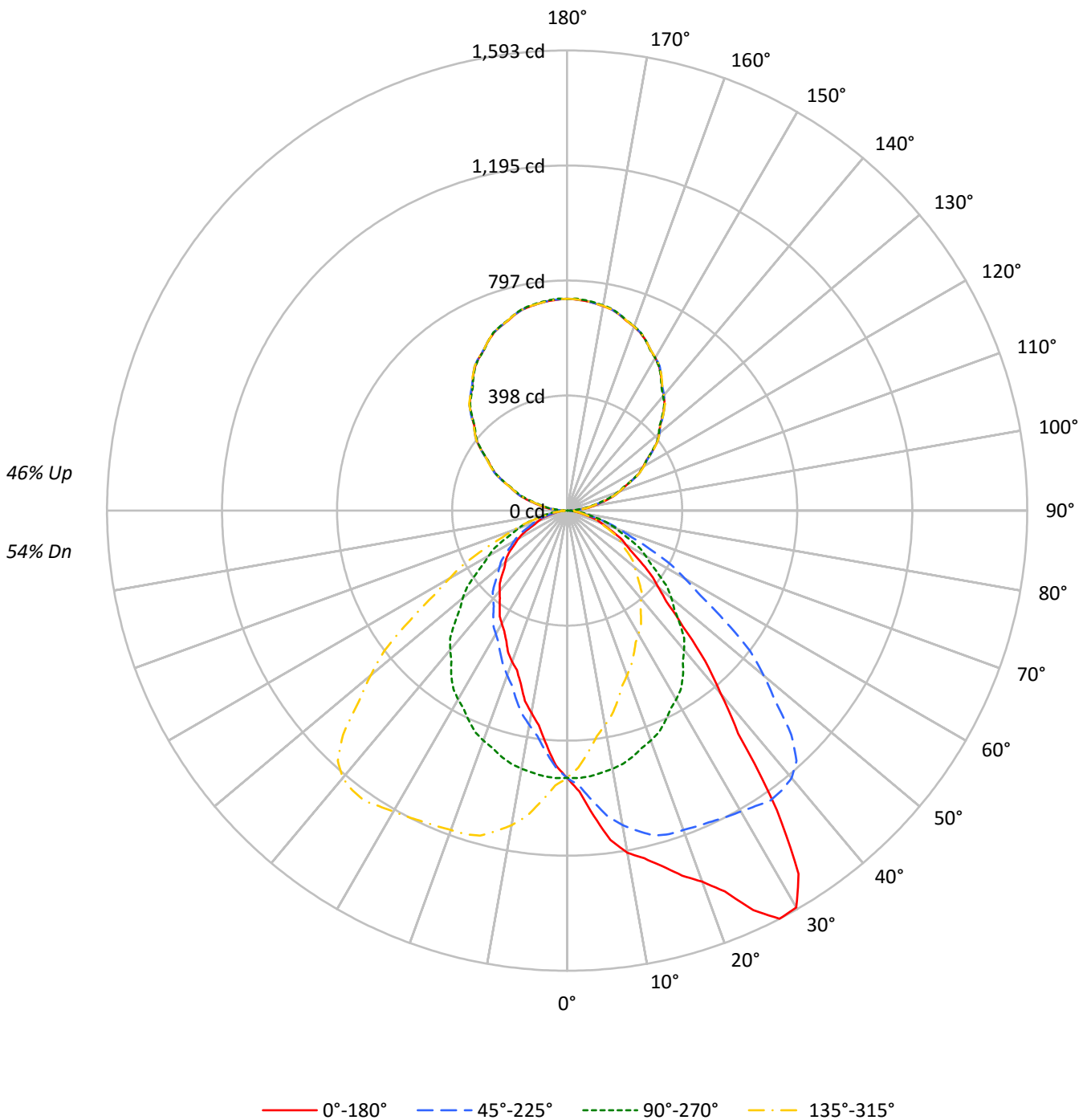
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5977	5977	5977	5977
5°	6876	5984	5285	5984
10°	7887	5954	4663	5954
15°	8519	5893	4145	5893
20°	9394	5822	3827	5822
25°	10871	5728	3552	5728
30°	11830	5629	3371	5629
35°	9979	5513	3205	5513
40°	6969	5306	3062	5306
45°	5170	5027	2922	5027
50°	4122	4736	2801	4736
55°	3498	4376	2694	4376
60°	3023	4053	2523	4053
65°	2694	3704	2172	3704
70°	2368	3393	1979	3393
75°	2049	2939	1859	2939
80°	1555	2473	1555	2473
85°	1297	1941	1467	1941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	2.0
10°-20°	260.1	5.9
20°-30°	412.3	9.3
30°-40°	497.2	11.2
40°-50°	444.0	10.0
50°-60°	340.5	7.7
60°-70°	221.3	5.0
70°-80°	107.6	2.4
80°-90°	27.3	0.6
90°-100°	49.1	1.1
100°-110°	145.0	3.3
110°-120°	245.6	5.5
120°-130°	323.2	7.3
130°-140°	362.1	8.1
140°-150°	354.9	8.0
150°-160°	298.1	6.7
160°-170°	198.2	4.5
170°-180°	69.4	1.6
0°-30°	761.1	17.1
0°-40°	1258.3	28.3
0°-60°	2042.9	46.0
0°-90°	2399.1	54.0
90°-120°	439.7	9.9
90°-150°	1479.9	33.3
90°-180°	2046.0	46.0
0°-180°	4444.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1061	923	815	923	1061	106
15°	1274	881	620	881	1274	365
25°	1526	804	498	804	1526	700
35°	1266	699	406	699	1266	765
45°	566	550	320	550	566	452
55°	311	389	239	389	311	282
65°	176	242	142	242	176	175
75°	82	118	74	118	82	87
85°	18	26	20	26	18	20
90°	14	1	14	1	14	9
95°	49	37	49	37	49	50
105°	142	130	142	130	142	150
115°	248	246	248	246	248	245
125°	361	359	361	359	361	322
135°	468	467	468	467	468	361
145°	568	565	568	565	568	354
155°	647	647	647	647	647	298
165°	702	703	702	703	702	198
175°	728	731	728	731	728	69
180°	733	733	733	733	733	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	973.4	972.8	974.0	970.6	971.0	965.8	965.8	961.8	956.7	952.7	950.9
5°	1060.6	1061.4	1059.8	1054.1	1050.3	1044.6	1038.2	1026.8	1017.3	1008.2	1001.0
7.5°	1150.4	1150.9	1145.9	1144.2	1134.6	1127.6	1113.3	1097.8	1084.0	1066.5	1053.2
10°	1202.7	1202.3	1197.0	1192.8	1184.4	1173.8	1159.7	1141.5	1124.4	1105.4	1087.2
12.5°	1233.1	1232.1	1230.4	1225.3	1217.6	1208.1	1196.2	1178.3	1157.2	1136.4	1115.2
15°	1274.1	1271.4	1266.5	1260.0	1249.0	1238.0	1224.7	1208.8	1188.6	1165.1	1145.3
17.5°	1324.8	1324.9	1317.3	1308.4	1293.4	1273.9	1253.4	1227.7	1200.3	1174.4	1153.4
20°	1366.8	1365.6	1358.0	1340.6	1323.5	1299.2	1275.6	1244.1	1210.7	1176.8	1150.6
22.5°	1426.9	1424.0	1416.1	1393.1	1366.6	1335.3	1299.3	1260.8	1220.4	1182.0	1147.6
25°	1525.6	1523.3	1507.7	1481.1	1443.9	1395.6	1348.5	1295.7	1237.6	1187.1	1145.3
27.5°	1593.0	1590.5	1579.0	1556.9	1522.5	1471.8	1408.0	1337.5	1264.9	1195.4	1135.1
30°	1586.3	1592.0	1590.5	1580.3	1554.4	1508.8	1450.0	1370.6	1284.3	1202.7	1130.9
32.5°	1490.9	1496.0	1509.4	1529.5	1531.0	1512.8	1468.8	1395.5	1306.2	1213.3	1127.5
35°	1265.7	1272.6	1298.4	1339.0	1392.2	1436.7	1445.8	1406.3	1326.1	1226.2	1122.5
37.5°	973.1	1010.5	1032.2	1075.0	1155.3	1237.1	1315.7	1344.7	1310.6	1220.9	1114.4
40°	826.6	835.7	874.5	922.7	990.3	1075.4	1187.5	1268.4	1271.0	1208.8	1101.6
42.5°	707.5	719.0	745.6	784.1	842.0	927.1	1042.8	1149.6	1199.0	1175.3	1084.9
45°	566.0	574.7	594.1	623.7	668.2	738.5	838.0	961.5	1059.5	1097.8	1040.1
47.5°	465.0	469.7	486.5	509.1	542.0	593.2	670.2	777.4	895.0	977.4	969.3
50°	410.3	415.6	428.5	445.6	473.3	516.6	578.2	667.4	788.6	889.3	909.4
52.5°	367.7	372.1	380.2	396.4	419.2	452.5	502.2	583.0	692.0	799.0	845.6
55°	310.7	313.8	320.2	329.3	347.6	371.5	414.4	470.3	558.4	666.3	734.7
57.5°	263.8	265.3	269.4	277.8	290.4	307.9	338.9	386.3	449.5	546.6	622.1
60°	234.0	235.5	240.8	246.5	256.4	272.4	296.7	329.7	390.5	470.7	547.0
62.5°	210.3	211.2	213.5	219.2	227.8	240.2	259.3	286.3	334.6	405.0	477.1
65°	176.3	176.6	177.4	182.0	187.3	196.4	208.9	227.9	264.4	317.6	381.4
67.5°	143.6	144.1	146.8	148.4	153.9	158.7	166.1	180.6	206.3	242.1	291.7
70°	125.4	125.0	127.6	129.5	131.4	137.1	142.1	153.8	169.8	197.2	238.6
72.5°	108.3	107.4	108.5	109.2	111.7	115.6	120.5	127.7	140.0	158.9	190.5
75°	82.1	82.4	82.4	83.2	85.1	86.6	88.1	91.9	98.8	111.3	128.4
77.5°	57.6	57.0	58.6	58.8	59.9	61.6	62.9	64.4	67.2	72.4	81.2
80°	41.8	41.8	42.2	43.3	42.9	43.7	45.6	47.1	50.5	53.6	56.6
82.5°	32.1	31.8	32.1	32.4	32.3	33.0	33.7	34.0	35.3	36.8	39.0
85°	17.5	17.5	17.9	17.9	18.2	18.2	18.6	18.6	18.6	19.0	19.4
87.5°	9.4	9.0	8.7	8.6	8.8	9.3	8.9	8.5	8.3	8.2	8.3
90°	13.7	13.3	12.9	12.6	12.2	11.7	11.0	10.4	9.8	9.1	8.2
92.5°	26.9	26.6	26.4	26.1	25.8	25.3	24.4	23.6	22.7	21.9	20.8
95°	49.1	48.8	48.6	48.3	48.0	47.5	46.6	45.7	44.8	43.9	42.7
97.5°	74.4	74.2	74.1	73.9	73.8	73.3	72.5	71.6	70.8	69.9	68.2
100°	93.6	93.3	93.1	92.8	92.5	91.8	90.7	89.6	88.4	87.3	85.6
102.5°	112.7	112.4	112.0	111.7	111.3	110.5	109.3	108.0	106.8	105.5	104.7
105°	141.5	141.1	140.7	140.3	140.0	139.4	138.6	137.9	137.1	136.3	135.6
107.5°	170.9	170.9	171.0	171.0	171.0	170.8	170.5	170.1	169.7	169.3	168.7
110°	192.8	192.9	193.1	193.2	193.3	193.2	192.8	192.4	192.1	191.7	191.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	214.3	214.5	214.7	215.0	215.2	215.2	215.0	214.9	214.7	214.5	214.0
115°	248.2	248.3	248.4	248.5	248.7	248.8	248.9	249.0	249.2	249.3	249.0
117.5°	281.2	281.8	282.3	282.8	283.3	283.5	283.4	283.3	283.2	283.1	282.8
120°	304.1	304.6	305.1	305.6	306.1	306.3	306.3	306.3	306.3	306.3	306.2
122.5°	326.9	327.3	327.7	328.1	328.5	328.8	328.9	329.0	329.1	329.2	328.8
125°	361.1	361.2	361.4	361.5	361.6	361.8	362.1	362.3	362.6	362.8	362.7
127.5°	394.0	394.2	394.5	394.7	395.0	395.2	395.3	395.4	395.6	395.7	395.5
130°	415.9	416.1	416.4	416.6	416.9	417.1	417.2	417.3	417.5	417.6	417.3
132.5°	436.4	436.8	437.1	437.5	437.8	438.1	438.2	438.3	438.5	438.6	438.6
135°	468.4	468.9	469.4	469.9	470.4	470.6	470.6	470.6	470.6	470.6	470.5
137.5°	499.6	500.3	500.9	501.5	502.2	502.4	502.2	502.1	501.9	501.8	501.5
140°	519.7	520.3	521.0	521.6	522.2	522.4	522.2	521.9	521.7	521.4	521.0
142.5°	538.9	539.5	540.1	540.8	541.4	541.6	541.5	541.3	541.2	541.0	540.6
145°	567.6	568.0	568.4	568.8	569.1	569.3	569.3	569.3	569.3	569.3	569.0
147.5°	592.2	593.0	593.9	594.7	595.6	595.9	595.6	595.3	595.0	594.7	594.4
150°	610.4	610.7	610.9	611.2	611.4	611.5	611.5	611.5	611.5	611.5	611.0
152.5°	625.5	625.9	626.4	626.8	627.3	627.4	627.1	626.8	626.5	626.2	625.9
155°	646.9	647.5	648.2	648.8	649.5	649.5	649.0	648.5	648.0	647.5	647.4
157.5°	664.8	665.7	666.5	667.3	668.2	668.3	667.8	667.3	666.8	666.3	666.2
160°	677.2	677.8	678.4	679.1	679.7	679.7	679.2	678.7	678.2	677.7	677.6
162.5°	687.6	688.4	689.1	689.9	690.6	690.7	690.0	689.4	688.8	688.2	688.2
165°	701.7	702.4	703.2	704.0	704.7	704.9	704.3	703.8	703.3	702.8	702.7
167.5°	712.9	713.6	714.4	715.2	716.0	716.0	715.3	714.5	713.7	713.0	713.0
170°	718.8	719.7	720.6	721.5	722.3	722.4	721.6	720.9	720.1	719.4	719.4
172.5°	723.8	724.6	725.4	726.2	727.0	727.0	726.2	725.5	724.7	723.9	723.9
175°	728.5	729.4	730.3	731.2	732.0	732.1	731.3	730.6	729.8	729.1	729.1
177.5°	731.2	731.9	732.7	733.4	734.1	734.1	733.5	732.9	732.3	731.7	731.8
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	950.9	948.8	944.8	941.2	936.6	932.7	929.9	926.6	922.3	917.2	912.9
5°	993.0	984.6	973.6	964.1	952.0	942.5	932.6	923.1	913.6	901.4	890.8
7.5°	1039.6	1022.4	1005.6	984.5	965.3	948.2	931.8	915.2	898.9	881.7	865.0
10°	1068.2	1047.3	1024.1	997.5	973.2	950.1	928.8	907.9	885.9	866.5	845.6
12.5°	1094.9	1068.0	1041.5	1007.9	978.7	950.4	923.3	897.3	873.7	848.6	826.1
15°	1119.1	1092.5	1062.9	1021.9	981.2	947.0	915.1	881.3	852.1	823.9	798.9
17.5°	1128.4	1100.6	1066.1	1026.7	982.3	939.3	898.2	861.1	826.7	793.9	765.7
20°	1124.8	1097.8	1062.5	1024.9	977.4	932.6	888.1	847.1	808.7	774.2	744.2
22.5°	1116.0	1088.1	1054.0	1014.3	969.2	921.6	874.2	830.4	790.2	754.4	721.7
25°	1102.8	1064.8	1029.8	991.1	948.2	901.1	852.1	803.8	760.9	724.4	688.7
27.5°	1089.0	1041.6	997.2	958.6	913.3	871.3	824.0	774.6	729.4	692.3	655.7
30°	1076.6	1023.4	974.4	930.7	887.8	847.9	803.0	754.8	708.5	670.1	632.9
32.5°	1061.1	1004.5	950.7	900.3	858.9	819.3	778.7	732.6	687.5	647.9	610.1
35°	1041.6	969.4	910.9	857.4	811.4	773.0	736.6	699.3	654.1	613.1	576.3
37.5°	1016.1	934.2	866.5	808.1	759.7	721.1	692.4	658.3	617.1	577.8	543.6
40°	1000.6	908.7	834.6	776.8	725.9	685.3	658.3	629.4	591.8	555.0	520.8
42.5°	979.9	885.3	802.4	742.2	691.0	651.9	624.6	599.4	567.8	533.1	496.5
45°	939.4	839.9	752.9	688.3	636.7	598.3	572.8	550.4	526.5	494.6	462.7
47.5°	886.7	792.6	701.5	631.0	580.4	544.8	520.1	502.4	485.3	458.2	427.2
50°	844.5	753.7	664.8	596.4	542.5	508.6	485.5	471.4	455.8	431.2	405.3
52.5°	794.6	713.6	626.5	556.6	505.7	474.0	451.7	437.7	424.8	404.7	380.1
55°	716.1	645.0	565.2	501.8	455.1	423.2	401.9	388.6	381.0	363.9	344.5
57.5°	625.4	574.5	504.2	443.0	401.7	370.1	354.6	343.3	334.7	322.6	308.9
60°	562.2	526.5	463.4	405.3	367.3	337.3	323.3	313.8	305.8	295.5	284.9
62.5°	498.1	472.1	417.3	367.3	332.4	307.2	294.1	285.5	276.3	269.4	259.1
65°	412.2	389.0	351.0	311.9	279.6	259.5	250.0	242.4	236.7	229.1	221.8
67.5°	320.6	311.2	285.0	258.0	234.8	216.9	208.7	203.4	196.5	192.0	187.0
70°	264.4	259.8	241.2	223.4	201.7	189.6	182.0	179.7	171.3	166.8	163.3
72.5°	214.6	212.4	201.7	189.3	174.1	163.4	156.4	153.8	148.5	144.9	142.7
75°	147.0	147.8	145.9	137.9	132.2	125.4	119.3	117.8	114.0	110.9	109.0
77.5°	93.0	96.9	97.0	96.6	94.4	90.2	87.7	86.5	82.8	81.7	81.2
80°	63.8	68.0	71.8	71.4	70.7	69.5	67.6	66.5	64.6	63.4	62.7
82.5°	42.5	46.4	49.6	51.7	51.5	50.4	49.1	48.5	48.2	47.3	47.2
85°	20.1	20.9	22.0	24.7	26.6	27.0	26.6	26.2	25.1	25.5	25.8
87.5°	8.5	8.3	8.4	8.2	7.7	9.0	9.7	9.8	9.4	9.0	8.6
90°	7.4	6.5	5.6	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	19.7	18.6	17.5	16.6	15.9	15.2	14.5	13.8	14.5	15.2	15.9
95°	41.4	40.1	38.9	38.1	37.8	37.6	37.3	37.1	37.3	37.6	37.8
97.5°	66.4	64.7	62.9	62.0	61.9	61.8	61.7	61.6	61.7	61.8	61.9
100°	84.0	82.3	80.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
102.5°	103.9	103.0	102.2	101.5	101.0	100.5	100.0	99.5	100.0	100.5	101.0
105°	134.8	134.1	133.3	132.6	132.0	131.3	130.7	130.1	130.7	131.3	132.0
107.5°	168.1	167.6	167.0	166.4	165.7	165.1	164.5	163.8	164.5	165.1	165.7
110°	190.9	190.5	190.2	189.7	189.0	188.4	187.7	187.1	187.7	188.4	189.0



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	213.5	213.1	212.6	212.2	211.8	211.5	211.2	210.8	211.2	211.5	211.8
115°	248.8	248.5	248.3	247.9	247.4	246.9	246.4	245.9	246.4	246.9	247.4
117.5°	282.6	282.4	282.2	281.9	281.7	281.5	281.2	281.0	281.2	281.5	281.7
120°	306.1	306.0	305.8	305.5	304.8	304.2	303.6	302.9	303.6	304.2	304.8
122.5°	328.5	328.2	327.8	327.6	327.3	327.1	326.9	326.7	326.9	327.1	327.3
125°	362.6	362.4	362.3	361.9	361.1	360.3	359.6	358.8	359.6	360.3	361.1
127.5°	395.4	395.2	395.1	394.8	394.3	393.9	393.5	393.1	393.5	393.9	394.3
130°	417.1	416.8	416.6	416.1	415.5	414.9	414.2	413.6	414.2	414.9	415.5
132.5°	438.7	438.7	438.8	438.3	437.2	436.2	435.2	434.1	435.2	436.2	437.2
135°	470.4	470.3	470.1	469.7	468.9	468.2	467.4	466.6	467.4	468.2	468.9
137.5°	501.2	501.0	500.7	500.2	499.4	498.7	498.0	497.2	498.0	498.7	499.4
140°	520.7	520.3	519.9	519.4	518.7	518.1	517.5	516.8	517.5	518.1	518.7
142.5°	540.1	539.6	539.1	538.6	538.1	537.5	537.0	536.5	537.0	537.5	538.1
145°	568.6	568.2	567.8	567.4	566.9	566.4	565.8	565.3	565.8	566.4	566.9
147.5°	594.1	593.7	593.4	593.2	592.9	592.6	592.3	592.0	592.3	592.6	592.9
150°	610.5	610.0	609.5	609.3	609.5	609.6	609.7	609.8	609.7	609.6	609.5
152.5°	625.7	625.5	625.3	625.1	625.0	624.8	624.6	624.4	624.6	624.8	625.0
155°	647.2	647.1	647.0	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9
157.5°	666.1	665.9	665.8	665.9	666.2	666.4	666.7	667.0	666.7	666.4	666.2
160°	677.5	677.3	677.2	677.3	677.7	678.1	678.5	678.9	678.5	678.1	677.7
162.5°	688.2	688.1	688.1	688.2	688.5	688.8	689.1	689.4	689.1	688.8	688.5
165°	702.6	702.4	702.3	702.4	702.6	702.9	703.1	703.4	703.1	702.9	702.6
167.5°	713.0	713.0	713.0	713.2	713.7	714.2	714.8	715.3	714.8	714.2	713.7
170°	719.4	719.4	719.4	719.6	720.1	720.6	721.1	721.6	721.1	720.6	720.1
172.5°	723.9	723.9	723.9	724.2	724.7	725.2	725.7	726.2	725.7	725.2	724.7
175°	729.1	729.1	729.1	729.3	729.8	730.3	730.8	731.3	730.8	730.3	729.8
177.5°	731.9	732.0	732.1	732.3	732.8	733.2	733.6	734.0	733.6	733.2	732.8
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	909.9	905.6	902.6	896.5	892.2	890.4	887.1	886.2	889.5	887.1	886.8
5°	882.8	871.8	863.1	854.3	844.8	838.8	829.6	828.1	825.8	822.4	821.7
7.5°	850.4	836.0	824.8	810.3	797.8	787.7	776.3	770.9	767.9	763.5	757.6
10°	828.5	811.4	796.2	781.8	766.2	753.7	742.3	733.5	727.8	722.5	720.2
12.5°	806.9	789.5	770.1	752.6	735.2	721.1	708.5	702.8	696.5	690.3	685.0
15°	773.4	750.2	729.0	708.8	694.0	678.8	666.7	658.3	648.8	646.2	635.9
17.5°	737.9	715.1	690.2	669.0	651.9	635.1	621.8	612.3	605.1	595.3	590.6
20°	715.7	688.7	664.4	645.0	626.0	606.3	592.6	584.6	577.8	569.8	566.0
22.5°	692.0	665.6	640.7	618.0	598.7	579.2	569.5	561.2	553.5	546.1	541.1
25°	657.2	630.6	604.4	580.8	560.7	546.6	535.2	525.7	521.6	514.3	509.0
27.5°	622.8	594.5	567.3	543.8	528.0	514.1	504.8	497.3	489.7	483.4	478.8
30°	600.6	571.7	542.1	523.5	506.7	493.5	483.2	476.0	470.3	464.6	461.2
32.5°	578.4	548.6	522.3	502.2	486.4	474.9	464.4	457.4	451.4	445.1	441.1
35°	542.8	512.4	491.2	471.4	455.8	445.2	438.0	428.1	423.2	418.6	414.4
37.5°	509.8	481.5	458.5	441.2	427.7	417.1	407.8	402.4	396.4	392.3	388.8
40°	485.5	459.6	438.8	420.5	410.6	398.9	390.1	383.3	378.7	373.4	369.6
42.5°	463.6	439.6	419.3	402.9	390.6	380.6	372.2	365.4	359.6	355.8	352.6
45°	432.7	408.7	389.0	373.8	362.4	352.9	344.2	340.7	333.1	328.6	327.1
47.5°	400.7	379.3	360.2	346.2	334.5	325.5	317.3	310.4	306.2	301.7	299.3
50°	379.1	358.6	340.7	327.1	315.7	305.8	298.2	293.6	287.9	283.8	280.7
52.5°	357.5	338.5	320.7	307.6	297.7	287.9	279.4	274.8	269.4	266.7	264.6
55°	326.7	306.6	291.4	278.4	268.2	259.1	251.1	246.5	243.1	240.5	239.7
57.5°	291.7	275.8	261.7	250.0	239.4	230.8	223.8	219.5	216.5	216.1	213.8
60°	268.9	254.5	241.6	229.1	219.9	212.0	205.9	201.0	197.9	197.5	196.8
62.5°	246.2	232.3	220.3	209.3	201.1	193.4	187.7	182.1	180.3	178.4	176.7
65°	212.3	199.8	189.9	181.2	172.5	166.0	160.3	156.9	152.7	150.4	146.3
67.5°	179.1	169.4	159.9	152.6	145.7	139.6	134.9	129.8	127.0	125.1	122.1
70°	157.3	149.7	140.2	132.2	126.9	121.9	118.1	112.4	110.5	109.0	107.5
72.5°	136.6	129.9	121.9	115.5	110.2	105.5	101.1	98.5	96.6	95.0	94.1
75°	107.5	101.0	94.2	89.6	85.9	82.1	79.8	77.9	77.1	76.7	75.2
77.5°	78.9	75.5	70.0	66.4	63.9	62.4	60.3	59.3	59.3	57.6	57.1
80°	60.4	58.5	53.9	52.4	50.5	49.0	47.9	46.0	44.1	43.3	42.2
82.5°	44.9	43.0	41.2	38.7	37.2	36.2	35.1	34.4	34.6	33.6	33.0
85°	23.9	22.0	21.3	20.9	20.1	20.9	20.5	20.1	19.8	19.4	19.8
87.5°	8.5	8.7	8.6	9.4	8.6	9.1	9.2	9.1	9.2	9.3	9.1
90°	4.6	5.6	6.5	7.4	8.2	9.1	9.8	10.4	11.0	11.7	12.2
92.5°	16.6	17.5	18.6	19.7	20.8	21.9	22.7	23.6	24.4	25.3	25.8
95°	38.1	38.9	40.1	41.4	42.7	43.9	44.8	45.7	46.6	47.5	48.0
97.5°	62.0	62.9	64.7	66.4	68.2	69.9	70.8	71.6	72.5	73.3	73.8
100°	79.9	80.7	82.3	84.0	85.6	87.3	88.4	89.6	90.7	91.8	92.5
102.5°	101.5	102.2	103.0	103.9	104.7	105.5	106.8	108.0	109.3	110.5	111.3
105°	132.6	133.3	134.1	134.8	135.6	136.3	137.1	137.9	138.6	139.4	140.0
107.5°	166.4	167.0	167.6	168.1	168.7	169.3	169.7	170.1	170.5	170.8	171.0
110°	189.7	190.2	190.5	190.9	191.3	191.7	192.1	192.4	192.8	193.2	193.3



TEST NUMBER: P333527

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	212.2	212.6	213.1	213.5	214.0	214.5	214.7	214.9	215.0	215.2	215.2
115°	247.9	248.3	248.5	248.8	249.0	249.3	249.2	249.0	248.9	248.8	248.7
117.5°	281.9	282.2	282.4	282.6	282.8	283.1	283.2	283.3	283.4	283.5	283.3
120°	305.5	305.8	306.0	306.1	306.2	306.3	306.3	306.3	306.3	306.3	306.1
122.5°	327.6	327.8	328.2	328.5	328.8	329.2	329.1	329.0	328.9	328.8	328.5
125°	361.9	362.3	362.4	362.6	362.7	362.8	362.6	362.3	362.1	361.8	361.6
127.5°	394.8	395.1	395.2	395.4	395.5	395.7	395.6	395.4	395.3	395.2	395.0
130°	416.1	416.6	416.8	417.1	417.3	417.6	417.5	417.3	417.2	417.1	416.9
132.5°	438.3	438.8	438.7	438.7	438.6	438.6	438.5	438.3	438.2	438.1	437.8
135°	469.7	470.1	470.3	470.4	470.5	470.6	470.6	470.6	470.6	470.6	470.4
137.5°	500.2	500.7	501.0	501.2	501.5	501.8	501.9	502.1	502.2	502.4	502.2
140°	519.4	519.9	520.3	520.7	521.0	521.4	521.7	521.9	522.2	522.4	522.2
142.5°	538.6	539.1	539.6	540.1	540.6	541.0	541.2	541.3	541.5	541.6	541.4
145°	567.4	567.8	568.2	568.6	569.0	569.3	569.3	569.3	569.3	569.3	569.1
147.5°	593.2	593.4	593.7	594.1	594.4	594.7	595.0	595.3	595.6	595.9	595.6
150°	609.3	609.5	610.0	610.5	611.0	611.5	611.5	611.5	611.5	611.5	611.4
152.5°	625.1	625.3	625.5	625.7	625.9	626.2	626.5	626.8	627.1	627.4	627.3
155°	646.9	647.0	647.1	647.2	647.4	647.5	648.0	648.5	649.0	649.5	649.5
157.5°	665.9	665.8	665.9	666.1	666.2	666.3	666.8	667.3	667.8	668.3	668.2
160°	677.3	677.2	677.3	677.5	677.6	677.7	678.2	678.7	679.2	679.7	679.7
162.5°	688.2	688.1	688.1	688.2	688.2	688.2	688.8	689.4	690.0	690.7	690.6
165°	702.4	702.3	702.4	702.6	702.7	702.8	703.3	703.8	704.3	704.9	704.7
167.5°	713.2	713.0	713.0	713.0	713.0	713.0	713.7	714.5	715.3	716.0	716.0
170°	719.6	719.4	719.4	719.4	719.4	719.4	720.1	720.9	721.6	722.4	722.3
172.5°	724.2	723.9	723.9	723.9	723.9	723.9	724.7	725.5	726.2	727.0	727.0
175°	729.3	729.1	729.1	729.1	729.1	729.1	729.8	730.6	731.3	732.1	732.0
177.5°	732.3	732.1	732.0	731.9	731.8	731.7	732.3	732.9	733.5	734.1	734.1
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	886.5	883.1	882.2	883.4	882.2	883.1	886.5	886.8	887.1	889.5	886.2
5°	817.9	814.1	816.0	815.2	816.0	814.1	817.9	821.7	822.4	825.8	828.1
7.5°	757.5	752.8	747.8	749.4	747.8	752.8	757.5	757.6	763.5	767.9	770.9
10°	715.3	711.5	709.2	711.1	709.2	711.5	715.3	720.2	722.5	727.8	733.5
12.5°	679.7	677.5	675.5	674.7	675.5	677.5	679.7	685.0	690.3	696.5	702.8
15°	631.3	626.8	624.9	620.0	624.9	626.8	631.3	635.9	646.2	648.8	658.3
17.5°	586.7	585.2	580.3	578.2	580.3	585.2	586.7	590.6	595.3	605.1	612.3
20°	560.3	558.8	553.9	556.9	553.9	558.8	560.3	566.0	569.8	577.8	584.6
22.5°	538.4	535.1	533.5	532.6	533.5	535.1	538.4	541.1	546.1	553.5	561.2
25°	507.5	502.6	500.7	498.4	500.7	502.6	507.5	509.0	514.3	521.6	525.7
27.5°	476.7	474.0	471.5	470.9	471.5	474.0	476.7	478.8	483.4	489.7	497.3
30°	456.6	453.9	452.0	452.0	452.0	453.9	456.6	461.2	464.6	470.3	476.0
32.5°	438.7	436.6	434.7	434.4	434.7	436.6	438.7	441.1	445.1	451.4	457.4
35°	412.5	409.5	408.7	406.5	408.7	409.5	412.5	414.4	418.6	423.2	428.1
37.5°	385.4	382.9	382.8	382.6	382.8	382.9	385.4	388.8	392.3	396.4	402.4
40°	368.1	366.2	365.8	363.2	365.8	366.2	368.1	369.6	373.4	378.7	383.3
42.5°	349.6	348.6	347.3	346.1	347.3	348.6	349.6	352.6	355.8	359.6	365.4
45°	324.4	321.8	321.8	319.9	321.8	321.8	324.4	327.1	328.6	333.1	340.7
47.5°	298.4	296.4	296.6	294.6	296.6	296.4	298.4	299.3	301.7	306.2	310.4
50°	281.1	280.0	279.6	278.8	279.6	280.0	281.1	280.7	283.8	287.9	293.6
52.5°	263.8	263.3	264.7	263.0	264.7	263.3	263.8	264.6	266.7	269.4	274.8
55°	240.5	239.3	241.6	239.3	241.6	239.3	240.5	239.7	240.5	243.1	246.5
57.5°	213.6	212.6	214.6	213.5	214.6	212.6	213.6	213.8	216.1	216.5	219.5
60°	196.0	193.7	194.9	195.3	194.9	193.7	196.0	196.8	197.5	197.9	201.0
62.5°	175.0	173.7	174.5	172.8	174.5	173.7	175.0	176.7	178.4	180.3	182.1
65°	145.5	144.4	142.8	142.1	142.8	144.4	145.5	146.3	150.4	152.7	156.9
67.5°	122.2	119.5	119.4	120.0	119.4	119.5	122.2	122.1	125.1	127.0	129.8
70°	105.2	105.2	104.8	104.8	104.8	105.2	105.2	107.5	109.0	110.5	112.4
72.5°	93.4	93.1	92.4	92.1	92.4	93.1	93.4	94.1	95.0	96.6	98.5
75°	75.2	75.6	74.8	74.5	74.8	75.6	75.2	75.2	76.7	77.1	77.9
77.5°	55.5	53.9	54.8	53.9	54.8	53.9	55.5	57.1	57.6	59.3	59.3
80°	42.2	41.8	42.9	41.8	42.9	41.8	42.2	42.2	43.3	44.1	46.0
82.5°	33.4	33.0	33.5	32.7	33.5	33.0	33.4	33.0	33.6	34.6	34.4
85°	20.1	19.8	19.4	19.8	19.4	19.8	20.1	19.8	19.4	19.8	20.1
87.5°	9.5	9.3	9.3	9.4	9.3	9.3	9.5	9.1	9.3	9.2	9.1
90°	12.6	12.9	13.3	13.7	13.3	12.9	12.6	12.2	11.7	11.0	10.4
92.5°	26.1	26.4	26.6	26.9	26.6	26.4	26.1	25.8	25.3	24.4	23.6
95°	48.3	48.6	48.8	49.1	48.8	48.6	48.3	48.0	47.5	46.6	45.7
97.5°	73.9	74.1	74.2	74.4	74.2	74.1	73.9	73.8	73.3	72.5	71.6
100°	92.8	93.1	93.3	93.6	93.3	93.1	92.8	92.5	91.8	90.7	89.6
102.5°	111.7	112.0	112.4	112.7	112.4	112.0	111.7	111.3	110.5	109.3	108.0
105°	140.3	140.7	141.1	141.5	141.1	140.7	140.3	140.0	139.4	138.6	137.9
107.5°	171.0	171.0	170.9	170.9	170.9	171.0	171.0	171.0	170.8	170.5	170.1
110°	193.2	193.1	192.9	192.8	192.9	193.1	193.2	193.3	193.2	192.8	192.4



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	215.0	214.7	214.5	214.3	214.5	214.7	215.0	215.2	215.2	215.0	214.9
115°	248.5	248.4	248.3	248.2	248.3	248.4	248.5	248.7	248.8	248.9	249.0
117.5°	282.8	282.3	281.8	281.2	281.8	282.3	282.8	283.3	283.5	283.4	283.3
120°	305.6	305.1	304.6	304.1	304.6	305.1	305.6	306.1	306.3	306.3	306.3
122.5°	328.1	327.7	327.3	326.9	327.3	327.7	328.1	328.5	328.8	328.9	329.0
125°	361.5	361.4	361.2	361.1	361.2	361.4	361.5	361.6	361.8	362.1	362.3
127.5°	394.7	394.5	394.2	394.0	394.2	394.5	394.7	395.0	395.2	395.3	395.4
130°	416.6	416.4	416.1	415.9	416.1	416.4	416.6	416.9	417.1	417.2	417.3
132.5°	437.5	437.1	436.8	436.4	436.8	437.1	437.5	437.8	438.1	438.2	438.3
135°	469.9	469.4	468.9	468.4	468.9	469.4	469.9	470.4	470.6	470.6	470.6
137.5°	501.5	500.9	500.3	499.6	500.3	500.9	501.5	502.2	502.4	502.2	502.1
140°	521.6	521.0	520.3	519.7	520.3	521.0	521.6	522.2	522.4	522.2	521.9
142.5°	540.8	540.1	539.5	538.9	539.5	540.1	540.8	541.4	541.6	541.5	541.3
145°	568.8	568.4	568.0	567.6	568.0	568.4	568.8	569.1	569.3	569.3	569.3
147.5°	594.7	593.9	593.0	592.2	593.0	593.9	594.7	595.6	595.9	595.6	595.3
150°	611.2	610.9	610.7	610.4	610.7	610.9	611.2	611.4	611.5	611.5	611.5
152.5°	626.8	626.4	625.9	625.5	625.9	626.4	626.8	627.3	627.4	627.1	626.8
155°	648.8	648.2	647.5	646.9	647.5	648.2	648.8	649.5	649.5	649.0	648.5
157.5°	667.3	666.5	665.7	664.8	665.7	666.5	667.3	668.2	668.3	667.8	667.3
160°	679.1	678.4	677.8	677.2	677.8	678.4	679.1	679.7	679.7	679.2	678.7
162.5°	689.9	689.1	688.4	687.6	688.4	689.1	689.9	690.6	690.7	690.0	689.4
165°	704.0	703.2	702.4	701.7	702.4	703.2	704.0	704.7	704.9	704.3	703.8
167.5°	715.2	714.4	713.6	712.9	713.6	714.4	715.2	716.0	716.0	715.3	714.5
170°	721.5	720.6	719.7	718.8	719.7	720.6	721.5	722.3	722.4	721.6	720.9
172.5°	726.2	725.4	724.6	723.8	724.6	725.4	726.2	727.0	727.0	726.2	725.5
175°	731.2	730.3	729.4	728.5	729.4	730.3	731.2	732.0	732.1	731.3	730.6
177.5°	733.4	732.7	731.9	731.2	731.9	732.7	733.4	734.1	734.1	733.5	732.9
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	887.1	890.4	892.2	896.5	902.6	905.6	909.9	912.9	917.2	922.3	926.6
5°	829.6	838.8	844.8	854.3	863.1	871.8	882.8	890.8	901.4	913.6	923.1
7.5°	776.3	787.7	797.8	810.3	824.8	836.0	850.4	865.0	881.7	898.9	915.2
10°	742.3	753.7	766.2	781.8	796.2	811.4	828.5	845.6	866.5	885.9	907.9
12.5°	708.5	721.1	735.2	752.6	770.1	789.5	806.9	826.1	848.6	873.7	897.3
15°	666.7	678.8	694.0	708.8	729.0	750.2	773.4	798.9	823.9	852.1	881.3
17.5°	621.8	635.1	651.9	669.0	690.2	715.1	737.9	765.7	793.9	826.7	861.1
20°	592.6	606.3	626.0	645.0	664.4	688.7	715.7	744.2	774.2	808.7	847.1
22.5°	569.5	579.2	598.7	618.0	640.7	665.6	692.0	721.7	754.4	790.2	830.4
25°	535.2	546.6	560.7	580.8	604.4	630.6	657.2	688.7	724.4	760.9	803.8
27.5°	504.8	514.1	528.0	543.8	567.3	594.5	622.8	655.7	692.3	729.4	774.6
30°	483.2	493.5	506.7	523.5	542.1	571.7	600.6	632.9	670.1	708.5	754.8
32.5°	464.4	474.9	486.4	502.2	522.3	548.6	578.4	610.1	647.9	687.5	732.6
35°	438.0	445.2	455.8	471.4	491.2	512.4	542.8	576.3	613.1	654.1	699.3
37.5°	407.8	417.1	427.7	441.2	458.5	481.5	509.8	543.6	577.8	617.1	658.3
40°	390.1	398.9	410.6	420.5	438.8	459.6	485.5	520.8	555.0	591.8	629.4
42.5°	372.2	380.6	390.6	402.9	419.3	439.6	463.6	496.5	533.1	567.8	599.4
45°	344.2	352.9	362.4	373.8	389.0	408.7	432.7	462.7	494.6	526.5	550.4
47.5°	317.3	325.5	334.5	346.2	360.2	379.3	400.7	427.2	458.2	485.3	502.4
50°	298.2	305.8	315.7	327.1	340.7	358.6	379.1	405.3	431.2	455.8	471.4
52.5°	279.4	287.9	297.7	307.6	320.7	338.5	357.5	380.1	404.7	424.8	437.7
55°	251.1	259.1	268.2	278.4	291.4	306.6	326.7	344.5	363.9	381.0	388.6
57.5°	223.8	230.8	239.4	250.0	261.7	275.8	291.7	308.9	322.6	334.7	343.3
60°	205.9	212.0	219.9	229.1	241.6	254.5	268.9	284.9	295.5	305.8	313.8
62.5°	187.7	193.4	201.1	209.3	220.3	232.3	246.2	259.1	269.4	276.3	285.5
65°	160.3	166.0	172.5	181.2	189.9	199.8	212.3	221.8	229.1	236.7	242.4
67.5°	134.9	139.6	145.7	152.6	159.9	169.4	179.1	187.0	192.0	196.5	203.4
70°	118.1	121.9	126.9	132.2	140.2	149.7	157.3	163.3	166.8	171.3	179.7
72.5°	101.1	105.5	110.2	115.5	121.9	129.9	136.6	142.7	144.9	148.5	153.8
75°	79.8	82.1	85.9	89.6	94.2	101.0	107.5	109.0	110.9	114.0	117.8
77.5°	60.3	62.4	63.9	66.4	70.0	75.5	78.9	81.2	81.7	82.8	86.5
80°	47.9	49.0	50.5	52.4	53.9	58.5	60.4	62.7	63.4	64.6	66.5
82.5°	35.1	36.2	37.2	38.7	41.2	43.0	44.9	47.2	47.3	48.2	48.5
85°	20.5	20.9	20.1	20.9	21.3	22.0	23.9	25.8	25.5	25.1	26.2
87.5°	9.2	9.1	8.6	9.4	8.6	8.7	8.5	8.6	9.0	9.4	9.8
90°	9.8	9.1	8.2	7.4	6.5	5.6	4.6	3.6	2.6	1.6	0.6
92.5°	22.7	21.9	20.8	19.7	18.6	17.5	16.6	15.9	15.2	14.5	13.8
95°	44.8	43.9	42.7	41.4	40.1	38.9	38.1	37.8	37.6	37.3	37.1
97.5°	70.8	69.9	68.2	66.4	64.7	62.9	62.0	61.9	61.8	61.7	61.6
100°	88.4	87.3	85.6	84.0	82.3	80.7	79.9	79.9	79.9	79.9	79.9
102.5°	106.8	105.5	104.7	103.9	103.0	102.2	101.5	101.0	100.5	100.0	99.5
105°	137.1	136.3	135.6	134.8	134.1	133.3	132.6	132.0	131.3	130.7	130.1
107.5°	169.7	169.3	168.7	168.1	167.6	167.0	166.4	165.7	165.1	164.5	163.8
110°	192.1	191.7	191.3	190.9	190.5	190.2	189.7	189.0	188.4	187.7	187.1



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	214.7	214.5	214.0	213.5	213.1	212.6	212.2	211.8	211.5	211.2	210.8
115°	249.2	249.3	249.0	248.8	248.5	248.3	247.9	247.4	246.9	246.4	245.9
117.5°	283.2	283.1	282.8	282.6	282.4	282.2	281.9	281.7	281.5	281.2	281.0
120°	306.3	306.3	306.2	306.1	306.0	305.8	305.5	304.8	304.2	303.6	302.9
122.5°	329.1	329.2	328.8	328.5	328.2	327.8	327.6	327.3	327.1	326.9	326.7
125°	362.6	362.8	362.7	362.6	362.4	362.3	361.9	361.1	360.3	359.6	358.8
127.5°	395.6	395.7	395.5	395.4	395.2	395.1	394.8	394.3	393.9	393.5	393.1
130°	417.5	417.6	417.3	417.1	416.8	416.6	416.1	415.5	414.9	414.2	413.6
132.5°	438.5	438.6	438.6	438.7	438.7	438.8	438.3	437.2	436.2	435.2	434.1
135°	470.6	470.6	470.5	470.4	470.3	470.1	469.7	468.9	468.2	467.4	466.6
137.5°	501.9	501.8	501.5	501.2	501.0	500.7	500.2	499.4	498.7	498.0	497.2
140°	521.7	521.4	521.0	520.7	520.3	519.9	519.4	518.7	518.1	517.5	516.8
142.5°	541.2	541.0	540.6	540.1	539.6	539.1	538.6	538.1	537.5	537.0	536.5
145°	569.3	569.3	569.0	568.6	568.2	567.8	567.4	566.9	566.4	565.8	565.3
147.5°	595.0	594.7	594.4	594.1	593.7	593.4	593.2	592.9	592.6	592.3	592.0
150°	611.5	611.5	611.0	610.5	610.0	609.5	609.3	609.5	609.6	609.7	609.8
152.5°	626.5	626.2	625.9	625.7	625.5	625.3	625.1	625.0	624.8	624.6	624.4
155°	648.0	647.5	647.4	647.2	647.1	647.0	646.9	646.9	646.9	646.9	646.9
157.5°	666.8	666.3	666.2	666.1	665.9	665.8	665.9	666.2	666.4	666.7	667.0
160°	678.2	677.7	677.6	677.5	677.3	677.2	677.3	677.7	678.1	678.5	678.9
162.5°	688.8	688.2	688.2	688.2	688.1	688.1	688.2	688.5	688.8	689.1	689.4
165°	703.3	702.8	702.7	702.6	702.4	702.3	702.4	702.6	702.9	703.1	703.4
167.5°	713.7	713.0	713.0	713.0	713.0	713.0	713.2	713.7	714.2	714.8	715.3
170°	720.1	719.4	719.4	719.4	719.4	719.4	719.6	720.1	720.6	721.1	721.6
172.5°	724.7	723.9	723.9	723.9	723.9	723.9	724.2	724.7	725.2	725.7	726.2
175°	729.8	729.1	729.1	729.1	729.1	729.1	729.3	729.8	730.3	730.8	731.3
177.5°	732.3	731.7	731.8	731.9	732.0	732.1	732.3	732.8	733.2	733.6	734.0
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	929.9	932.7	936.6	941.2	944.8	948.8	950.9	950.9	952.7	956.7	961.8
5°	932.6	942.5	952.0	964.1	973.6	984.6	993.0	1001.0	1008.2	1017.3	1026.8
7.5°	931.8	948.2	965.3	984.5	1005.6	1022.4	1039.6	1053.2	1066.5	1084.0	1097.8
10°	928.8	950.1	973.2	997.5	1024.1	1047.3	1068.2	1087.2	1105.4	1124.4	1141.5
12.5°	923.3	950.4	978.7	1007.9	1041.5	1068.0	1094.9	1115.2	1136.4	1157.2	1178.3
15°	915.1	947.0	981.2	1021.9	1062.9	1092.5	1119.1	1145.3	1165.1	1188.6	1208.8
17.5°	898.2	939.3	982.3	1026.7	1066.1	1100.6	1128.4	1153.4	1174.4	1200.3	1227.7
20°	888.1	932.6	977.4	1024.9	1062.5	1097.8	1124.8	1150.6	1176.8	1210.7	1244.1
22.5°	874.2	921.6	969.2	1014.3	1054.0	1088.1	1116.0	1147.6	1182.0	1220.4	1260.8
25°	852.1	901.1	948.2	991.1	1029.8	1064.8	1102.8	1145.3	1187.1	1237.6	1295.7
27.5°	824.0	871.3	913.3	958.6	997.2	1041.6	1089.0	1135.1	1195.4	1264.9	1337.5
30°	803.0	847.9	887.8	930.7	974.4	1023.4	1076.6	1130.9	1202.7	1284.3	1370.6
32.5°	778.7	819.3	858.9	900.3	950.7	1004.5	1061.1	1127.5	1213.3	1306.2	1395.5
35°	736.6	773.0	811.4	857.4	910.9	969.4	1041.6	1122.5	1226.2	1326.1	1406.3
37.5°	692.4	721.1	759.7	808.1	866.5	934.2	1016.1	1114.4	1220.9	1310.6	1344.7
40°	658.3	685.3	725.9	776.8	834.6	908.7	1000.6	1101.6	1208.8	1271.0	1268.4
42.5°	624.6	651.9	691.0	742.2	802.4	885.3	979.9	1084.9	1175.3	1199.0	1149.6
45°	572.8	598.3	636.7	688.3	752.9	839.9	939.4	1040.1	1097.8	1059.5	961.5
47.5°	520.1	544.8	580.4	631.0	701.5	792.6	886.7	969.3	977.4	895.0	777.4
50°	485.5	508.6	542.5	596.4	664.8	753.7	844.5	909.4	889.3	788.6	667.4
52.5°	451.7	474.0	505.7	556.6	626.5	713.6	794.6	845.6	799.0	692.0	583.0
55°	401.9	423.2	455.1	501.8	565.2	645.0	716.1	734.7	666.3	558.4	470.3
57.5°	354.6	370.1	401.7	443.0	504.2	574.5	625.4	622.1	546.6	449.5	386.3
60°	323.3	337.3	367.3	405.3	463.4	526.5	562.2	547.0	470.7	390.5	329.7
62.5°	294.1	307.2	332.4	367.3	417.3	472.1	498.1	477.1	405.0	334.6	286.3
65°	250.0	259.5	279.6	311.9	351.0	389.0	412.2	381.4	317.6	264.4	227.9
67.5°	208.7	216.9	234.8	258.0	285.0	311.2	320.6	291.7	242.1	206.3	180.6
70°	182.0	189.6	201.7	223.4	241.2	259.8	264.4	238.6	197.2	169.8	153.8
72.5°	156.4	163.4	174.1	189.3	201.7	212.4	214.6	190.5	158.9	140.0	127.7
75°	119.3	125.4	132.2	137.9	145.9	147.8	147.0	128.4	111.3	98.8	91.9
77.5°	87.7	90.2	94.4	96.6	97.0	96.9	93.0	81.2	72.4	67.2	64.4
80°	67.6	69.5	70.7	71.4	71.8	68.0	63.8	56.6	53.6	50.5	47.1
82.5°	49.1	50.4	51.5	51.7	49.6	46.4	42.5	39.0	36.8	35.3	34.0
85°	26.6	27.0	26.6	24.7	22.0	20.9	20.1	19.4	19.0	18.6	18.6
87.5°	9.7	9.0	7.7	8.2	8.4	8.3	8.5	8.3	8.2	8.3	8.5
90°	1.6	2.6	3.6	4.6	5.6	6.5	7.4	8.2	9.1	9.8	10.4
92.5°	14.5	15.2	15.9	16.6	17.5	18.6	19.7	20.8	21.9	22.7	23.6
95°	37.3	37.6	37.8	38.1	38.9	40.1	41.4	42.7	43.9	44.8	45.7
97.5°	61.7	61.8	61.9	62.0	62.9	64.7	66.4	68.2	69.9	70.8	71.6
100°	79.9	79.9	79.9	79.9	80.7	82.3	84.0	85.6	87.3	88.4	89.6
102.5°	100.0	100.5	101.0	101.5	102.2	103.0	103.9	104.7	105.5	106.8	108.0
105°	130.7	131.3	132.0	132.6	133.3	134.1	134.8	135.6	136.3	137.1	137.9
107.5°	164.5	165.1	165.7	166.4	167.0	167.6	168.1	168.7	169.3	169.7	170.1
110°	187.7	188.4	189.0	189.7	190.2	190.5	190.9	191.3	191.7	192.1	192.4



TEST NUMBER: P333527

CATALOG NUMBER: S125RDIP-S610D590U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	211.2	211.5	211.8	212.2	212.6	213.1	213.5	214.0	214.5	214.7	214.9
115°	246.4	246.9	247.4	247.9	248.3	248.5	248.8	249.0	249.3	249.2	249.0
117.5°	281.2	281.5	281.7	281.9	282.2	282.4	282.6	282.8	283.1	283.2	283.3
120°	303.6	304.2	304.8	305.5	305.8	306.0	306.1	306.2	306.3	306.3	306.3
122.5°	326.9	327.1	327.3	327.6	327.8	328.2	328.5	328.8	329.2	329.1	329.0
125°	359.6	360.3	361.1	361.9	362.3	362.4	362.6	362.7	362.8	362.6	362.3
127.5°	393.5	393.9	394.3	394.8	395.1	395.2	395.4	395.5	395.7	395.6	395.4
130°	414.2	414.9	415.5	416.1	416.6	416.8	417.1	417.3	417.6	417.5	417.3
132.5°	435.2	436.2	437.2	438.3	438.8	438.7	438.7	438.6	438.6	438.5	438.3
135°	467.4	468.2	468.9	469.7	470.1	470.3	470.4	470.5	470.6	470.6	470.6
137.5°	498.0	498.7	499.4	500.2	500.7	501.0	501.2	501.5	501.8	501.9	502.1
140°	517.5	518.1	518.7	519.4	519.9	520.3	520.7	521.0	521.4	521.7	521.9
142.5°	537.0	537.5	538.1	538.6	539.1	539.6	540.1	540.6	541.0	541.2	541.3
145°	565.8	566.4	566.9	567.4	567.8	568.2	568.6	569.0	569.3	569.3	569.3
147.5°	592.3	592.6	592.9	593.2	593.4	593.7	594.1	594.4	594.7	595.0	595.3
150°	609.7	609.6	609.5	609.3	609.5	610.0	610.5	611.0	611.5	611.5	611.5
152.5°	624.6	624.8	625.0	625.1	625.3	625.5	625.7	625.9	626.2	626.5	626.8
155°	646.9	646.9	646.9	646.9	647.0	647.1	647.2	647.4	647.5	648.0	648.5
157.5°	666.7	666.4	666.2	665.9	665.8	665.9	666.1	666.2	666.3	666.8	667.3
160°	678.5	678.1	677.7	677.3	677.2	677.3	677.5	677.6	677.7	678.2	678.7
162.5°	689.1	688.8	688.5	688.2	688.1	688.1	688.2	688.2	688.2	688.8	689.4
165°	703.1	702.9	702.6	702.4	702.3	702.4	702.6	702.7	702.8	703.3	703.8
167.5°	714.8	714.2	713.7	713.2	713.0	713.0	713.0	713.0	713.0	713.7	714.5
170°	721.1	720.6	720.1	719.6	719.4	719.4	719.4	719.4	719.4	720.1	720.9
172.5°	725.7	725.2	724.7	724.2	723.9	723.9	723.9	723.9	723.9	724.7	725.5
175°	730.8	730.3	729.8	729.3	729.1	729.1	729.1	729.1	729.1	729.8	730.6
177.5°	733.6	733.2	732.8	732.3	732.1	732.0	731.9	731.8	731.7	732.3	732.9
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	965.8	965.8	971.0	970.6	974.0	972.8	973.4
5°	1038.2	1044.6	1050.3	1054.1	1059.8	1061.4	1060.6
7.5°	1113.3	1127.6	1134.6	1144.2	1145.9	1150.9	1150.4
10°	1159.7	1173.8	1184.4	1192.8	1197.0	1202.3	1202.7
12.5°	1196.2	1208.1	1217.6	1225.3	1230.4	1232.1	1233.1
15°	1224.7	1238.0	1249.0	1260.0	1266.5	1271.4	1274.1
17.5°	1253.4	1273.9	1293.4	1308.4	1317.3	1324.9	1324.8
20°	1275.6	1299.2	1323.5	1340.6	1358.0	1365.6	1366.8
22.5°	1299.3	1335.3	1366.6	1393.1	1416.1	1424.0	1426.9
25°	1348.5	1395.6	1443.9	1481.1	1507.7	1523.3	1525.6
27.5°	1408.0	1471.8	1522.5	1556.9	1579.0	1590.5	1593.0
30°	1450.0	1508.8	1554.4	1580.3	1590.5	1592.0	1586.3
32.5°	1468.8	1512.8	1531.0	1529.5	1509.4	1496.0	1490.9
35°	1445.8	1436.7	1392.2	1339.0	1298.4	1272.6	1265.7
37.5°	1315.7	1237.1	1155.3	1075.0	1032.2	1010.5	973.1
40°	1187.5	1075.4	990.3	922.7	874.5	835.7	826.6
42.5°	1042.8	927.1	842.0	784.1	745.6	719.0	707.5
45°	838.0	738.5	668.2	623.7	594.1	574.7	566.0
47.5°	670.2	593.2	542.0	509.1	486.5	469.7	465.0
50°	578.2	516.6	473.3	445.6	428.5	415.6	410.3
52.5°	502.2	452.5	419.2	396.4	380.2	372.1	367.7
55°	414.4	371.5	347.6	329.3	320.2	313.8	310.7
57.5°	338.9	307.9	290.4	277.8	269.4	265.3	263.8
60°	296.7	272.4	256.4	246.5	240.8	235.5	234.0
62.5°	259.3	240.2	227.8	219.2	213.5	211.2	210.3
65°	208.9	196.4	187.3	182.0	177.4	176.6	176.3
67.5°	166.1	158.7	153.9	148.4	146.8	144.1	143.6
70°	142.1	137.1	131.4	129.5	127.6	125.0	125.4
72.5°	120.5	115.6	111.7	109.2	108.5	107.4	108.3
75°	88.1	86.6	85.1	83.2	82.4	82.4	82.1
77.5°	62.9	61.6	59.9	58.8	58.6	57.0	57.6
80°	45.6	43.7	42.9	43.3	42.2	41.8	41.8
82.5°	33.7	33.0	32.3	32.4	32.1	31.8	32.1
85°	18.6	18.2	18.2	17.9	17.9	17.5	17.5
87.5°	8.9	9.3	8.8	8.6	8.7	9.0	9.4
90°	11.0	11.7	12.2	12.6	12.9	13.3	13.7
92.5°	24.4	25.3	25.8	26.1	26.4	26.6	26.9
95°	46.6	47.5	48.0	48.3	48.6	48.8	49.1
97.5°	72.5	73.3	73.8	73.9	74.1	74.2	74.4
100°	90.7	91.8	92.5	92.8	93.1	93.3	93.6
102.5°	109.3	110.5	111.3	111.7	112.0	112.4	112.7
105°	138.6	139.4	140.0	140.3	140.7	141.1	141.5
107.5°	170.5	170.8	171.0	171.0	171.0	170.9	170.9
110°	192.8	193.2	193.3	193.2	193.1	192.9	192.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	215.0	215.2	215.2	215.0	214.7	214.5	214.3
115°	248.9	248.8	248.7	248.5	248.4	248.3	248.2
117.5°	283.4	283.5	283.3	282.8	282.3	281.8	281.2
120°	306.3	306.3	306.1	305.6	305.1	304.6	304.1
122.5°	328.9	328.8	328.5	328.1	327.7	327.3	326.9
125°	362.1	361.8	361.6	361.5	361.4	361.2	361.1
127.5°	395.3	395.2	395.0	394.7	394.5	394.2	394.0
130°	417.2	417.1	416.9	416.6	416.4	416.1	415.9
132.5°	438.2	438.1	437.8	437.5	437.1	436.8	436.4
135°	470.6	470.6	470.4	469.9	469.4	468.9	468.4
137.5°	502.2	502.4	502.2	501.5	500.9	500.3	499.6
140°	522.2	522.4	522.2	521.6	521.0	520.3	519.7
142.5°	541.5	541.6	541.4	540.8	540.1	539.5	538.9
145°	569.3	569.3	569.1	568.8	568.4	568.0	567.6
147.5°	595.6	595.9	595.6	594.7	593.9	593.0	592.2
150°	611.5	611.5	611.4	611.2	610.9	610.7	610.4
152.5°	627.1	627.4	627.3	626.8	626.4	625.9	625.5
155°	649.0	649.5	649.5	648.8	648.2	647.5	646.9
157.5°	667.8	668.3	668.2	667.3	666.5	665.7	664.8
160°	679.2	679.7	679.7	679.1	678.4	677.8	677.2
162.5°	690.0	690.7	690.6	689.9	689.1	688.4	687.6
165°	704.3	704.9	704.7	704.0	703.2	702.4	701.7
167.5°	715.3	716.0	716.0	715.2	714.4	713.6	712.9
170°	721.6	722.4	722.3	721.5	720.6	719.7	718.8
172.5°	726.2	727.0	727.0	726.2	725.4	724.6	723.8
175°	731.3	732.1	732.0	731.2	730.3	729.4	728.5
177.5°	733.5	734.1	734.1	733.4	732.7	731.9	731.2
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1

(END OF REPORT)