

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: P333521

Luminaire Tested: **S125RDIP-S610D365U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333521
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-S610D365U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3665.8 lumens
Efficiency: N/A
Efficacy: 133.3 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: Semi-Direct

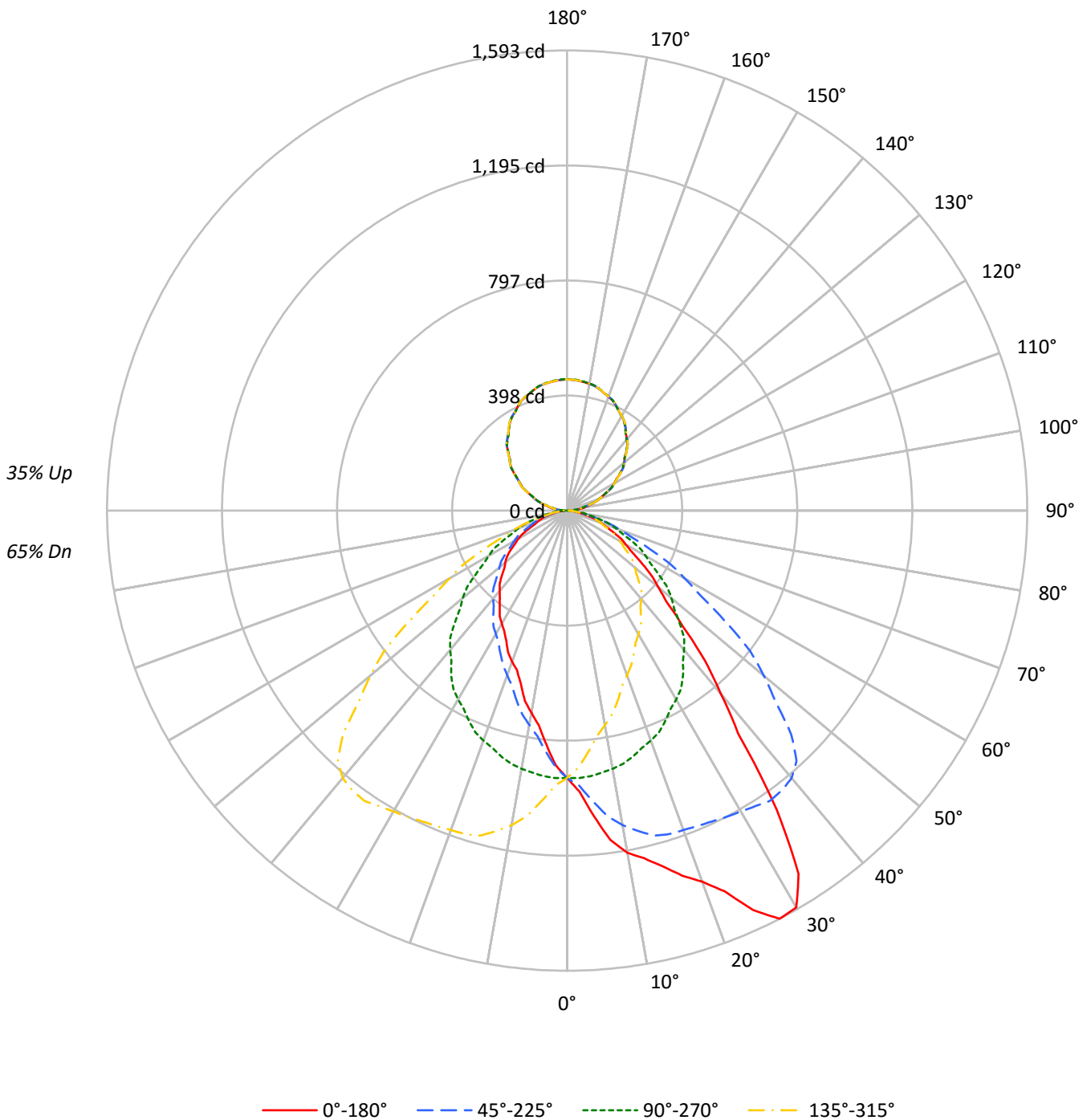
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65
1	102	98	94	90	96	92	89	86	82	79	77	72	70	68	63	62	61	56
2	93	86	80	75	87	81	76	71	72	68	64	64	61	58	56	54	52	48
3	85	76	69	63	80	72	65	60	64	59	55	57	53	50	50	47	45	41
4	78	68	60	54	73	64	57	51	57	52	47	51	46	43	45	42	39	36
5	72	60	52	46	68	57	50	45	51	45	41	46	41	37	41	37	34	31
6	67	54	46	40	62	52	44	39	46	40	36	42	37	33	37	33	30	28
7	62	49	41	36	58	47	40	34	42	36	32	38	33	29	34	30	27	24
8	57	45	37	32	54	43	36	31	39	33	28	35	30	26	31	27	24	22
9	53	41	34	28	50	39	32	27	36	30	26	32	27	24	29	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	21	27	23	20	18

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	2.4
10°-20°	260.1	7.1
20°-30°	412.3	11.2
30°-40°	497.2	13.6
40°-50°	444.0	12.1
50°-60°	340.5	9.3
60°-70°	221.3	6.0
70°-80°	107.6	2.9
80°-90°	26.7	0.7
90°-100°	30.4	0.8
100°-110°	89.8	2.5
110°-120°	152.1	4.2
120°-130°	200.2	5.5
130°-140°	224.4	6.1
140°-150°	219.9	6.0
150°-160°	184.7	5.0
160°-170°	122.8	3.3
170°-180°	43.0	1.2
0°-30°	761.1	20.8
0°-40°	1258.3	34.3
0°-60°	2042.9	55.7
0°-90°	2398.5	65.4
90°-120°	272.4	7.4
90°-150°	916.9	25.0
90°-180°	1267.0	34.6
0°-180°	3665.8	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°	8	0	8	0	8	6
95°	30	23	30	23	30	31
105°	88	81	88	81	88	93
115°	154	152	154	152	154	152
125°	224	222	224	222	224	200
135°	290	289	290	289	290	224
145°	352	350	352	350	352	220
155°	401	401	401	401	401	184
165°	435	436	435	436	435	123
175°	451	453	451	453	451	43
180°	454	454	454	454	454	



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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°	8.4	8.0	7.7	7.6	7.9	8.4	8.1	7.7	7.6	7.5	7.7
90°	8.5	8.2	8.0	7.8	7.5	7.2	6.8	6.4	6.0	5.7	5.1
92.5°	16.7	16.5	16.3	16.2	16.0	15.6	15.1	14.6	14.1	13.6	12.9
95°	30.4	30.2	30.1	29.9	29.8	29.4	28.9	28.3	27.8	27.2	26.4
97.5°	46.1	46.0	45.9	45.8	45.7	45.4	44.9	44.4	43.9	43.3	42.2
100°	58.0	57.8	57.7	57.5	57.3	56.9	56.2	55.5	54.8	54.1	53.1
102.5°	69.8	69.6	69.4	69.2	69.0	68.5	67.7	66.9	66.2	65.4	64.9
105°	87.7	87.4	87.2	86.9	86.7	86.4	85.9	85.4	84.9	84.5	84.0
107.5°	105.9	105.9	105.9	105.9	106.0	105.8	105.6	105.4	105.1	104.9	104.5
110°	119.5	119.5	119.6	119.7	119.8	119.7	119.5	119.2	119.0	118.8	118.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	132.8	132.9	133.0	133.2	133.3	133.3	133.2	133.1	133.0	132.9	132.6
115°	153.7	153.8	153.9	154.0	154.1	154.1	154.2	154.3	154.4	154.5	154.3
117.5°	174.2	174.6	174.9	175.2	175.5	175.6	175.6	175.5	175.4	175.4	175.2
120°	188.4	188.7	189.0	189.3	189.6	189.8	189.8	189.8	189.8	189.8	189.7
122.5°	202.5	202.8	203.0	203.3	203.5	203.7	203.7	203.8	203.9	203.9	203.7
125°	223.7	223.8	223.9	224.0	224.0	224.2	224.3	224.5	224.6	224.8	224.7
127.5°	244.1	244.2	244.4	244.6	244.7	244.8	244.9	245.0	245.1	245.1	245.1
130°	257.7	257.8	258.0	258.1	258.3	258.4	258.5	258.6	258.6	258.7	258.6
132.5°	270.4	270.6	270.8	271.0	271.3	271.4	271.5	271.6	271.6	271.7	271.8
135°	290.2	290.5	290.8	291.1	291.4	291.6	291.6	291.6	291.6	291.6	291.5
137.5°	309.5	309.9	310.3	310.7	311.1	311.3	311.2	311.1	311.0	310.9	310.7
140°	322.0	322.4	322.8	323.2	323.6	323.7	323.5	323.4	323.2	323.0	322.8
142.5°	333.9	334.3	334.6	335.0	335.4	335.6	335.5	335.4	335.3	335.2	334.9
145°	351.7	351.9	352.1	352.4	352.6	352.7	352.7	352.7	352.7	352.7	352.5
147.5°	366.9	367.4	367.9	368.5	369.0	369.2	369.0	368.8	368.6	368.4	368.2
150°	378.2	378.3	378.5	378.7	378.8	378.9	378.9	378.9	378.9	378.9	378.6
152.5°	387.5	387.8	388.1	388.4	388.6	388.7	388.5	388.3	388.1	387.9	387.8
155°	400.8	401.2	401.6	402.0	402.4	402.4	402.1	401.8	401.5	401.2	401.1
157.5°	411.9	412.4	412.9	413.5	414.0	414.1	413.8	413.4	413.1	412.8	412.7
160°	419.5	419.9	420.3	420.7	421.1	421.1	420.8	420.5	420.2	419.9	419.8
162.5°	426.0	426.5	426.9	427.4	427.9	427.9	427.5	427.1	426.8	426.4	426.4
165°	434.7	435.2	435.7	436.1	436.6	436.7	436.4	436.1	435.8	435.4	435.4
167.5°	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.7	442.2	441.7	441.7
170°	445.3	445.9	446.4	447.0	447.5	447.6	447.1	446.6	446.2	445.7	445.7
172.5°	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5	449.0	448.5	448.5
175°	451.3	451.9	452.4	453.0	453.5	453.6	453.1	452.6	452.2	451.7	451.7
177.5°	453.0	453.5	453.9	454.4	454.8	454.8	454.5	454.1	453.7	453.3	453.4
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



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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°	7.9	7.8	8.0	7.9	7.4	8.8	9.6	9.8	9.3	8.8	8.3
90°	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4	1.0	1.6	2.2
92.5°	12.2	11.5	10.9	10.3	9.9	9.4	9.0	8.6	9.0	9.4	9.9
95°	25.6	24.9	24.1	23.6	23.4	23.3	23.1	23.0	23.1	23.3	23.4
97.5°	41.2	40.1	39.0	38.4	38.4	38.3	38.2	38.2	38.2	38.3	38.4
100°	52.0	51.0	50.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
102.5°	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.6	62.0	62.3	62.6
105°	83.5	83.1	82.6	82.2	81.8	81.4	81.0	80.6	81.0	81.4	81.8
107.5°	104.2	103.8	103.5	103.1	102.7	102.3	101.9	101.5	101.9	102.3	102.7
110°	118.3	118.0	117.8	117.5	117.1	116.7	116.3	115.9	116.3	116.7	117.1



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	132.3	132.0	131.7	131.4	131.2	131.0	130.8	130.6	130.8	131.0	131.2
115°	154.1	154.0	153.8	153.6	153.3	153.0	152.6	152.3	152.6	153.0	153.3
117.5°	175.1	175.0	174.8	174.7	174.5	174.4	174.2	174.1	174.2	174.4	174.5
120°	189.6	189.6	189.5	189.2	188.9	188.5	188.1	187.7	188.1	188.5	188.9
122.5°	203.5	203.3	203.1	202.9	202.8	202.7	202.5	202.4	202.5	202.7	202.8
125°	224.6	224.6	224.5	224.2	223.7	223.3	222.8	222.3	222.8	223.3	223.7
127.5°	245.0	244.9	244.8	244.6	244.3	244.1	243.8	243.5	243.8	244.1	244.3
130°	258.4	258.2	258.1	257.8	257.4	257.0	256.6	256.2	256.6	257.0	257.4
132.5°	271.8	271.8	271.9	271.5	270.9	270.3	269.6	269.0	269.6	270.3	270.9
135°	291.4	291.4	291.3	291.0	290.5	290.1	289.6	289.1	289.6	290.1	290.5
137.5°	310.5	310.4	310.2	309.9	309.4	309.0	308.5	308.1	308.5	309.0	309.4
140°	322.6	322.3	322.1	321.8	321.4	321.0	320.6	320.2	320.6	321.0	321.4
142.5°	334.6	334.3	334.0	333.7	333.4	333.0	332.7	332.4	332.7	333.0	333.4
145°	352.3	352.0	351.8	351.5	351.2	350.9	350.6	350.3	350.6	350.9	351.2
147.5°	368.1	367.9	367.7	367.5	367.3	367.1	367.0	366.8	367.0	367.1	367.3
150°	378.3	377.9	377.6	377.5	377.6	377.7	377.8	377.8	377.8	377.7	377.6
152.5°	387.7	387.6	387.4	387.3	387.2	387.1	387.0	386.9	387.0	387.1	387.2
155°	401.0	400.9	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
157.5°	412.7	412.6	412.5	412.6	412.7	412.9	413.1	413.2	413.1	412.9	412.7
160°	419.7	419.7	419.6	419.7	419.9	420.1	420.4	420.6	420.4	420.1	419.9
162.5°	426.4	426.3	426.3	426.4	426.6	426.8	426.9	427.1	426.9	426.8	426.6
165°	435.3	435.2	435.1	435.2	435.3	435.5	435.6	435.8	435.6	435.5	435.3
167.5°	441.7	441.7	441.7	441.9	442.2	442.5	442.8	443.1	442.8	442.5	442.2
170°	445.7	445.7	445.7	445.8	446.2	446.5	446.8	447.1	446.8	446.5	446.2
172.5°	448.5	448.5	448.5	448.7	449.0	449.3	449.6	449.9	449.6	449.3	449.0
175°	451.7	451.7	451.7	451.9	452.2	452.5	452.8	453.1	452.8	452.5	452.2
177.5°	453.5	453.5	453.6	453.7	454.0	454.2	454.5	454.7	454.5	454.2	454.0
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-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°	8.2	8.3	8.1	8.8	8.0	8.4	8.5	8.3	8.4	8.4	8.2
90°	2.9	3.5	4.0	4.6	5.1	5.7	6.0	6.4	6.8	7.2	7.5
92.5°	10.3	10.9	11.5	12.2	12.9	13.6	14.1	14.6	15.1	15.6	16.0
95°	23.6	24.1	24.9	25.6	26.4	27.2	27.8	28.3	28.9	29.4	29.8
97.5°	38.4	39.0	40.1	41.2	42.2	43.3	43.9	44.4	44.9	45.4	45.7
100°	49.5	50.0	51.0	52.0	53.1	54.1	54.8	55.5	56.2	56.9	57.3
102.5°	62.9	63.3	63.8	64.3	64.9	65.4	66.2	66.9	67.7	68.5	69.0
105°	82.2	82.6	83.1	83.5	84.0	84.5	84.9	85.4	85.9	86.4	86.7
107.5°	103.1	103.5	103.8	104.2	104.5	104.9	105.1	105.4	105.6	105.8	106.0
110°	117.5	117.8	118.0	118.3	118.5	118.8	119.0	119.2	119.5	119.7	119.8



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	131.4	131.7	132.0	132.3	132.6	132.9	133.0	133.1	133.2	133.3	133.3
115°	153.6	153.8	154.0	154.1	154.3	154.5	154.4	154.3	154.2	154.1	154.1
117.5°	174.7	174.8	175.0	175.1	175.2	175.4	175.4	175.5	175.6	175.6	175.5
120°	189.2	189.5	189.6	189.6	189.7	189.8	189.8	189.8	189.8	189.8	189.6
122.5°	202.9	203.1	203.3	203.5	203.7	203.9	203.9	203.8	203.7	203.7	203.5
125°	224.2	224.5	224.6	224.6	224.7	224.8	224.6	224.5	224.3	224.2	224.0
127.5°	244.6	244.8	244.9	245.0	245.1	245.1	245.1	245.0	244.9	244.8	244.7
130°	257.8	258.1	258.2	258.4	258.6	258.7	258.6	258.6	258.5	258.4	258.3
132.5°	271.5	271.9	271.8	271.8	271.8	271.7	271.6	271.6	271.5	271.4	271.3
135°	291.0	291.3	291.4	291.4	291.5	291.6	291.6	291.6	291.6	291.6	291.4
137.5°	309.9	310.2	310.4	310.5	310.7	310.9	311.0	311.1	311.2	311.3	311.1
140°	321.8	322.1	322.3	322.6	322.8	323.0	323.2	323.4	323.5	323.7	323.6
142.5°	333.7	334.0	334.3	334.6	334.9	335.2	335.3	335.4	335.5	335.6	335.4
145°	351.5	351.8	352.0	352.3	352.5	352.7	352.7	352.7	352.7	352.7	352.6
147.5°	367.5	367.7	367.9	368.1	368.2	368.4	368.6	368.8	369.0	369.2	369.0
150°	377.5	377.6	377.9	378.3	378.6	378.9	378.9	378.9	378.9	378.9	378.8
152.5°	387.3	387.4	387.6	387.7	387.8	387.9	388.1	388.3	388.5	388.7	388.6
155°	400.8	400.8	400.9	401.0	401.1	401.2	401.5	401.8	402.1	402.4	402.4
157.5°	412.6	412.5	412.6	412.7	412.7	412.8	413.1	413.4	413.8	414.1	414.0
160°	419.7	419.6	419.7	419.7	419.8	419.9	420.2	420.5	420.8	421.1	421.1
162.5°	426.4	426.3	426.3	426.4	426.4	426.4	426.8	427.1	427.5	427.9	427.9
165°	435.2	435.1	435.2	435.3	435.4	435.4	435.8	436.1	436.4	436.7	436.6
167.5°	441.9	441.7	441.7	441.7	441.7	441.7	442.2	442.7	443.1	443.6	443.6
170°	445.8	445.7	445.7	445.7	445.7	445.7	446.2	446.6	447.1	447.6	447.5
172.5°	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5	449.9	450.4	450.4
175°	451.9	451.7	451.7	451.7	451.7	451.7	452.2	452.6	453.1	453.6	453.5
177.5°	453.7	453.6	453.5	453.5	453.4	453.3	453.7	454.1	454.5	454.8	454.8
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-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°	8.5	8.3	8.3	8.4	8.3	8.3	8.5	8.2	8.4	8.4	8.3
90°	7.8	8.0	8.2	8.5	8.2	8.0	7.8	7.5	7.2	6.8	6.4
92.5°	16.2	16.3	16.5	16.7	16.5	16.3	16.2	16.0	15.6	15.1	14.6
95°	29.9	30.1	30.2	30.4	30.2	30.1	29.9	29.8	29.4	28.9	28.3
97.5°	45.8	45.9	46.0	46.1	46.0	45.9	45.8	45.7	45.4	44.9	44.4
100°	57.5	57.7	57.8	58.0	57.8	57.7	57.5	57.3	56.9	56.2	55.5
102.5°	69.2	69.4	69.6	69.8	69.6	69.4	69.2	69.0	68.5	67.7	66.9
105°	86.9	87.2	87.4	87.7	87.4	87.2	86.9	86.7	86.4	85.9	85.4
107.5°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	106.0	105.8	105.6	105.4
110°	119.7	119.6	119.5	119.5	119.5	119.6	119.7	119.8	119.7	119.5	119.2



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	133.2	133.0	132.9	132.8	132.9	133.0	133.2	133.3	133.3	133.2	133.1
115°	154.0	153.9	153.8	153.7	153.8	153.9	154.0	154.1	154.1	154.2	154.3
117.5°	175.2	174.9	174.6	174.2	174.6	174.9	175.2	175.5	175.6	175.6	175.5
120°	189.3	189.0	188.7	188.4	188.7	189.0	189.3	189.6	189.8	189.8	189.8
122.5°	203.3	203.0	202.8	202.5	202.8	203.0	203.3	203.5	203.7	203.7	203.8
125°	224.0	223.9	223.8	223.7	223.8	223.9	224.0	224.0	224.2	224.3	224.5
127.5°	244.6	244.4	244.2	244.1	244.2	244.4	244.6	244.7	244.8	244.9	245.0
130°	258.1	258.0	257.8	257.7	257.8	258.0	258.1	258.3	258.4	258.5	258.6
132.5°	271.0	270.8	270.6	270.4	270.6	270.8	271.0	271.3	271.4	271.5	271.6
135°	291.1	290.8	290.5	290.2	290.5	290.8	291.1	291.4	291.6	291.6	291.6
137.5°	310.7	310.3	309.9	309.5	309.9	310.3	310.7	311.1	311.3	311.2	311.1
140°	323.2	322.8	322.4	322.0	322.4	322.8	323.2	323.6	323.7	323.5	323.4
142.5°	335.0	334.6	334.3	333.9	334.3	334.6	335.0	335.4	335.6	335.5	335.4
145°	352.4	352.1	351.9	351.7	351.9	352.1	352.4	352.6	352.7	352.7	352.7
147.5°	368.5	367.9	367.4	366.9	367.4	367.9	368.5	369.0	369.2	369.0	368.8
150°	378.7	378.5	378.3	378.2	378.3	378.5	378.7	378.8	378.9	378.9	378.9
152.5°	388.4	388.1	387.8	387.5	387.8	388.1	388.4	388.6	388.7	388.5	388.3
155°	402.0	401.6	401.2	400.8	401.2	401.6	402.0	402.4	402.4	402.1	401.8
157.5°	413.5	412.9	412.4	411.9	412.4	412.9	413.5	414.0	414.1	413.8	413.4
160°	420.7	420.3	419.9	419.5	419.9	420.3	420.7	421.1	421.1	420.8	420.5
162.5°	427.4	426.9	426.5	426.0	426.5	426.9	427.4	427.9	427.9	427.5	427.1
165°	436.1	435.7	435.2	434.7	435.2	435.7	436.1	436.6	436.7	436.4	436.1
167.5°	443.1	442.6	442.1	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.7
170°	447.0	446.4	445.9	445.3	445.9	446.4	447.0	447.5	447.6	447.1	446.6
172.5°	449.9	449.4	448.9	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5
175°	453.0	452.4	451.9	451.3	451.9	452.4	453.0	453.5	453.6	453.1	452.6
177.5°	454.4	453.9	453.5	453.0	453.5	453.9	454.4	454.8	454.8	454.5	454.1
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-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°	8.5	8.4	8.0	8.8	8.1	8.3	8.2	8.3	8.8	9.3	9.8
90°	6.0	5.7	5.1	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4
92.5°	14.1	13.6	12.9	12.2	11.5	10.9	10.3	9.9	9.4	9.0	8.6
95°	27.8	27.2	26.4	25.6	24.9	24.1	23.6	23.4	23.3	23.1	23.0
97.5°	43.9	43.3	42.2	41.2	40.1	39.0	38.4	38.4	38.3	38.2	38.2
100°	54.8	54.1	53.1	52.0	51.0	50.0	49.5	49.5	49.5	49.5	49.5
102.5°	66.2	65.4	64.9	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.6
105°	84.9	84.5	84.0	83.5	83.1	82.6	82.2	81.8	81.4	81.0	80.6
107.5°	105.1	104.9	104.5	104.2	103.8	103.5	103.1	102.7	102.3	101.9	101.5
110°	119.0	118.8	118.5	118.3	118.0	117.8	117.5	117.1	116.7	116.3	115.9



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	133.0	132.9	132.6	132.3	132.0	131.7	131.4	131.2	131.0	130.8	130.6
115°	154.4	154.5	154.3	154.1	154.0	153.8	153.6	153.3	153.0	152.6	152.3
117.5°	175.4	175.4	175.2	175.1	175.0	174.8	174.7	174.5	174.4	174.2	174.1
120°	189.8	189.8	189.7	189.6	189.6	189.5	189.2	188.9	188.5	188.1	187.7
122.5°	203.9	203.9	203.7	203.5	203.3	203.1	202.9	202.8	202.7	202.5	202.4
125°	224.6	224.8	224.7	224.6	224.6	224.5	224.2	223.7	223.3	222.8	222.3
127.5°	245.1	245.1	245.1	245.0	244.9	244.8	244.6	244.3	244.1	243.8	243.5
130°	258.6	258.7	258.6	258.4	258.2	258.1	257.8	257.4	257.0	256.6	256.2
132.5°	271.6	271.7	271.8	271.8	271.8	271.9	271.5	270.9	270.3	269.6	269.0
135°	291.6	291.6	291.5	291.4	291.4	291.3	291.0	290.5	290.1	289.6	289.1
137.5°	311.0	310.9	310.7	310.5	310.4	310.2	309.9	309.4	309.0	308.5	308.1
140°	323.2	323.0	322.8	322.6	322.3	322.1	321.8	321.4	321.0	320.6	320.2
142.5°	335.3	335.2	334.9	334.6	334.3	334.0	333.7	333.4	333.0	332.7	332.4
145°	352.7	352.7	352.5	352.3	352.0	351.8	351.5	351.2	350.9	350.6	350.3
147.5°	368.6	368.4	368.2	368.1	367.9	367.7	367.5	367.3	367.1	367.0	366.8
150°	378.9	378.9	378.6	378.3	377.9	377.6	377.5	377.6	377.7	377.8	377.8
152.5°	388.1	387.9	387.8	387.7	387.6	387.4	387.3	387.2	387.1	387.0	386.9
155°	401.5	401.2	401.1	401.0	400.9	400.8	400.8	400.8	400.8	400.8	400.8
157.5°	413.1	412.8	412.7	412.7	412.6	412.5	412.6	412.7	412.9	413.1	413.2
160°	420.2	419.9	419.8	419.7	419.7	419.6	419.7	419.9	420.1	420.4	420.6
162.5°	426.8	426.4	426.4	426.4	426.3	426.3	426.4	426.6	426.8	426.9	427.1
165°	435.8	435.4	435.4	435.3	435.2	435.1	435.2	435.3	435.5	435.6	435.8
167.5°	442.2	441.7	441.7	441.7	441.7	441.7	441.9	442.2	442.5	442.8	443.1
170°	446.2	445.7	445.7	445.7	445.7	445.7	445.8	446.2	446.5	446.8	447.1
172.5°	449.0	448.5	448.5	448.5	448.5	448.5	448.7	449.0	449.3	449.6	449.9
175°	452.2	451.7	451.7	451.7	451.7	451.7	451.9	452.2	452.5	452.8	453.1
177.5°	453.7	453.3	453.4	453.5	453.5	453.6	453.7	454.0	454.2	454.5	454.7
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-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°	9.6	8.8	7.4	7.9	8.0	7.8	7.9	7.7	7.5	7.6	7.7
90°	1.0	1.6	2.2	2.9	3.5	4.0	4.6	5.1	5.7	6.0	6.4
92.5°	9.0	9.4	9.9	10.3	10.9	11.5	12.2	12.9	13.6	14.1	14.6
95°	23.1	23.3	23.4	23.6	24.1	24.9	25.6	26.4	27.2	27.8	28.3
97.5°	38.2	38.3	38.4	38.4	39.0	40.1	41.2	42.2	43.3	43.9	44.4
100°	49.5	49.5	49.5	49.5	50.0	51.0	52.0	53.1	54.1	54.8	55.5
102.5°	62.0	62.3	62.6	62.9	63.3	63.8	64.3	64.9	65.4	66.2	66.9
105°	81.0	81.4	81.8	82.2	82.6	83.1	83.5	84.0	84.5	84.9	85.4
107.5°	101.9	102.3	102.7	103.1	103.5	103.8	104.2	104.5	104.9	105.1	105.4
110°	116.3	116.7	117.1	117.5	117.8	118.0	118.3	118.5	118.8	119.0	119.2



TEST NUMBER: P333521

CATALOG NUMBER: S125RDIP-S610D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	130.8	131.0	131.2	131.4	131.7	132.0	132.3	132.6	132.9	133.0	133.1
115°	152.6	153.0	153.3	153.6	153.8	154.0	154.1	154.3	154.5	154.4	154.3
117.5°	174.2	174.4	174.5	174.7	174.8	175.0	175.1	175.2	175.4	175.4	175.5
120°	188.1	188.5	188.9	189.2	189.5	189.6	189.6	189.7	189.8	189.8	189.8
122.5°	202.5	202.7	202.8	202.9	203.1	203.3	203.5	203.7	203.9	203.9	203.8
125°	222.8	223.3	223.7	224.2	224.5	224.6	224.6	224.7	224.8	224.6	224.5
127.5°	243.8	244.1	244.3	244.6	244.8	244.9	245.0	245.1	245.1	245.1	245.0
130°	256.6	257.0	257.4	257.8	258.1	258.2	258.4	258.6	258.7	258.6	258.6
132.5°	269.6	270.3	270.9	271.5	271.9	271.8	271.8	271.8	271.7	271.6	271.6
135°	289.6	290.1	290.5	291.0	291.3	291.4	291.4	291.5	291.6	291.6	291.6
137.5°	308.5	309.0	309.4	309.9	310.2	310.4	310.5	310.7	310.9	311.0	311.1
140°	320.6	321.0	321.4	321.8	322.1	322.3	322.6	322.8	323.0	323.2	323.4
142.5°	332.7	333.0	333.4	333.7	334.0	334.3	334.6	334.9	335.2	335.3	335.4
145°	350.6	350.9	351.2	351.5	351.8	352.0	352.3	352.5	352.7	352.7	352.7
147.5°	367.0	367.1	367.3	367.5	367.7	367.9	368.1	368.2	368.4	368.6	368.8
150°	377.8	377.7	377.6	377.5	377.6	377.9	378.3	378.6	378.9	378.9	378.9
152.5°	387.0	387.1	387.2	387.3	387.4	387.6	387.7	387.8	387.9	388.1	388.3
155°	400.8	400.8	400.8	400.8	400.8	400.9	401.0	401.1	401.2	401.5	401.8
157.5°	413.1	412.9	412.7	412.6	412.5	412.6	412.7	412.7	412.8	413.1	413.4
160°	420.4	420.1	419.9	419.7	419.6	419.7	419.7	419.8	419.9	420.2	420.5
162.5°	426.9	426.8	426.6	426.4	426.3	426.3	426.4	426.4	426.4	426.8	427.1
165°	435.6	435.5	435.3	435.2	435.1	435.2	435.3	435.4	435.4	435.8	436.1
167.5°	442.8	442.5	442.2	441.9	441.7	441.7	441.7	441.7	441.7	442.2	442.7
170°	446.8	446.5	446.2	445.8	445.7	445.7	445.7	445.7	445.7	446.2	446.6
172.5°	449.6	449.3	449.0	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5
175°	452.8	452.5	452.2	451.9	451.7	451.7	451.7	451.7	451.7	452.2	452.6
177.5°	454.5	454.2	454.0	453.7	453.6	453.5	453.5	453.4	453.3	453.7	454.1
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



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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°	8.1	8.4	7.9	7.6	7.7	8.0	8.4
90°	6.8	7.2	7.5	7.8	8.0	8.2	8.5
92.5°	15.1	15.6	16.0	16.2	16.3	16.5	16.7
95°	28.9	29.4	29.8	29.9	30.1	30.2	30.4
97.5°	44.9	45.4	45.7	45.8	45.9	46.0	46.1
100°	56.2	56.9	57.3	57.5	57.7	57.8	58.0
102.5°	67.7	68.5	69.0	69.2	69.4	69.6	69.8
105°	85.9	86.4	86.7	86.9	87.2	87.4	87.7
107.5°	105.6	105.8	106.0	105.9	105.9	105.9	105.9
110°	119.5	119.7	119.8	119.7	119.6	119.5	119.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.2	133.3	133.3	133.2	133.0	132.9	132.8
115°	154.2	154.1	154.1	154.0	153.9	153.8	153.7
117.5°	175.6	175.6	175.5	175.2	174.9	174.6	174.2
120°	189.8	189.8	189.6	189.3	189.0	188.7	188.4
122.5°	203.7	203.7	203.5	203.3	203.0	202.8	202.5
125°	224.3	224.2	224.0	224.0	223.9	223.8	223.7
127.5°	244.9	244.8	244.7	244.6	244.4	244.2	244.1
130°	258.5	258.4	258.3	258.1	258.0	257.8	257.7
132.5°	271.5	271.4	271.3	271.0	270.8	270.6	270.4
135°	291.6	291.6	291.4	291.1	290.8	290.5	290.2
137.5°	311.2	311.3	311.1	310.7	310.3	309.9	309.5
140°	323.5	323.7	323.6	323.2	322.8	322.4	322.0
142.5°	335.5	335.6	335.4	335.0	334.6	334.3	333.9
145°	352.7	352.7	352.6	352.4	352.1	351.9	351.7
147.5°	369.0	369.2	369.0	368.5	367.9	367.4	366.9
150°	378.9	378.9	378.8	378.7	378.5	378.3	378.2
152.5°	388.5	388.7	388.6	388.4	388.1	387.8	387.5
155°	402.1	402.4	402.4	402.0	401.6	401.2	400.8
157.5°	413.8	414.1	414.0	413.5	412.9	412.4	411.9
160°	420.8	421.1	421.1	420.7	420.3	419.9	419.5
162.5°	427.5	427.9	427.9	427.4	426.9	426.5	426.0
165°	436.4	436.7	436.6	436.1	435.7	435.2	434.7
167.5°	443.1	443.6	443.6	443.1	442.6	442.1	441.7
170°	447.1	447.6	447.5	447.0	446.4	445.9	445.3
172.5°	449.9	450.4	450.4	449.9	449.4	448.9	448.4
175°	453.1	453.6	453.5	453.0	452.4	451.9	451.3
177.5°	454.5	454.8	454.8	454.4	453.9	453.5	453.0
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2

(END OF REPORT)