

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: P333546

Luminaire Tested: **S125RDIP-S610D1205U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333546
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D1205U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6722.7 lumens
Efficiency: N/A
Efficacy: 136.1 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-Indirect

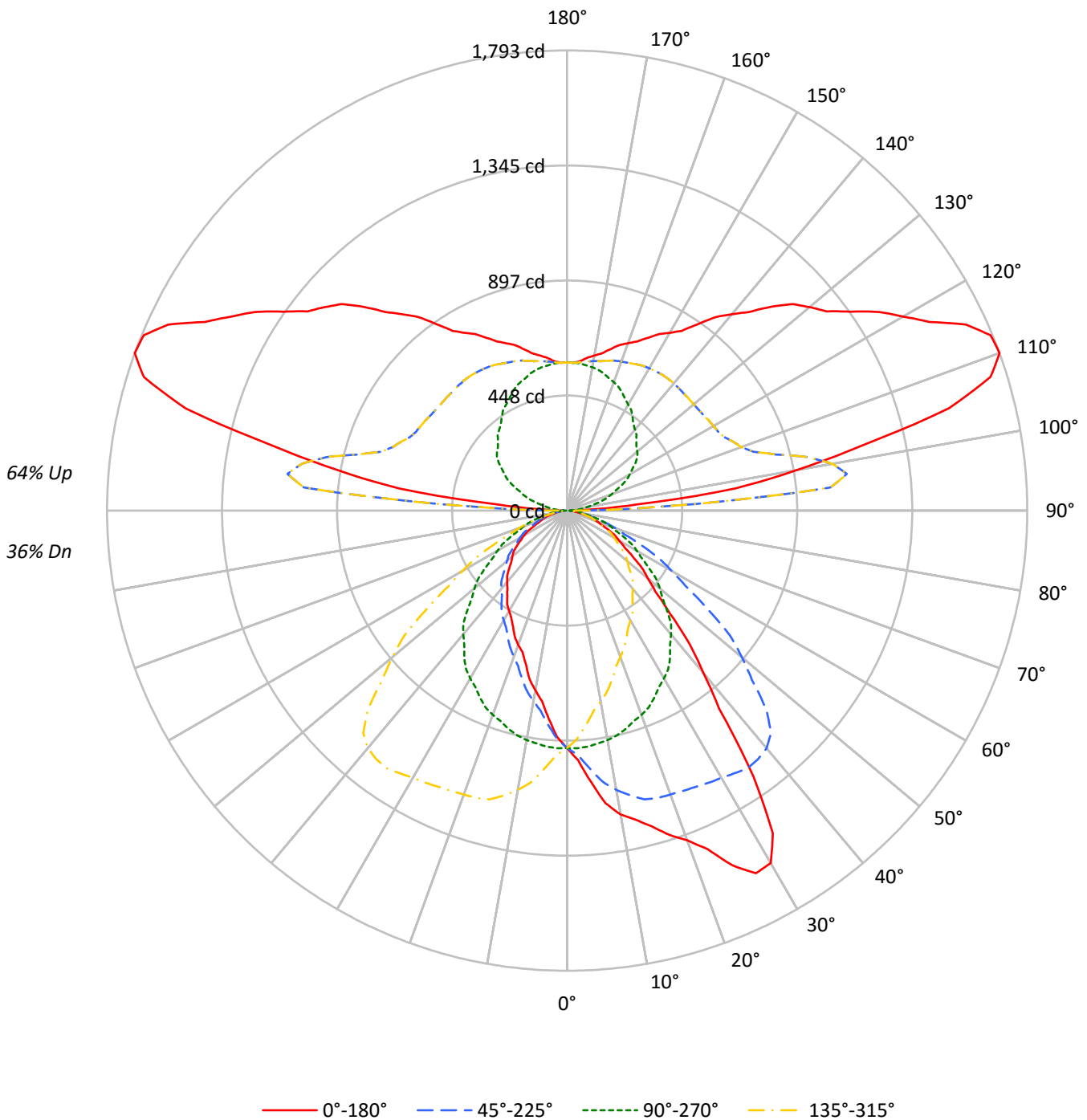
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	75	75	75	59	59	59	43	43	43	36
1	95	91	87	84	86	82	79	76	66	64	62	52	51	49	38	38	37	31
2	87	80	74	69	78	72	67	63	59	55	52	46	44	42	34	33	31	26
3	79	70	63	58	71	64	58	53	52	48	44	41	38	35	30	29	27	22
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19
5	66	55	48	42	60	50	44	39	41	36	32	33	29	26	25	22	21	17
6	61	50	42	36	55	45	38	34	37	32	28	30	26	23	22	20	18	15
7	57	45	37	32	51	41	34	29	34	29	25	27	23	20	21	18	16	13
8	52	41	33	28	47	37	31	26	31	26	22	25	21	18	19	16	14	12
9	49	37	30	25	44	34	27	23	28	23	20	23	19	16	17	15	13	11
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10

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	1.3
10°-20°	260.1	3.9
20°-30°	412.3	6.1
30°-40°	497.2	7.4
40°-50°	444.0	6.6
50°-60°	340.5	5.1
60°-70°	221.3	3.3
70°-80°	107.6	1.6
80°-90°	28.9	0.4
90°-100°	417.8	6.2
100°-110°	898.0	13.4
110°-120°	842.8	12.5
120°-130°	683.0	10.2
130°-140°	548.1	8.2
140°-150°	413.6	6.2
150°-160°	291.2	4.3
160°-170°	171.6	2.6
170°-180°	55.8	0.8
0°-30°	761.1	11.3
0°-40°	1258.3	18.7
0°-60°	2042.9	30.4
0°-90°	2400.7	35.7
90°-120°	2158.6	32.1
90°-150°	3803.4	56.6
90°-180°	4322.0	64.3
0°-180°	6722.7	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	21
90°	27	1	27	1	27	19
95°	273	38	273	38	273	387
105°	1540	131	1540	131	1540	1530
115°	1715	235	1715	235	1715	1676
125°	1351	325	1351	325	1351	1223
135°	1122	381	1122	381	1122	870
145°	885	444	885	444	885	563
155°	742	507	742	507	742	346
165°	651	553	651	553	651	186
175°	584	575	584	575	584	57
180°	576	576	576	576	576	



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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°	12.0	11.7	11.2	11.2	11.5	11.6	11.1	10.6	10.3	10.1	9.9
90°	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9	19.8	18.6	16.3
92.5°	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9	303.3	374.6	380.7
95°	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4	1007.4	1029.5	840.1
97.5°	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2	1274.7	1099.4	750.2
100°	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2	1339.7	1049.2	669.3
102.5°	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5	1300.7	960.9	607.9
105°	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8	1175.9	842.4	548.4
107.5°	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7	1048.6	760.8	523.3
110°	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0	976.0	722.7	515.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8	922.1	700.4	515.9
115°	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1	863.3	676.3	519.4
117.5°	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2	828.2	664.4	527.1
120°	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8	808.7	658.8	534.5
122.5°	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7	792.0	654.2	541.0
125°	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2	769.2	648.4	551.9
127.5°	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0	748.3	645.6	564.2
130°	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8	734.4	643.7	571.7
132.5°	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5	723.2	643.7	580.0
135°	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3	710.0	643.7	591.4
137.5°	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8	698.1	645.1	601.9
140°	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8	692.5	646.0	606.5
142.5°	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7	687.9	647.0	609.3
145°	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9	680.9	646.0	612.4
147.5°	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1	673.7	643.0	613.5
150°	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7	668.1	640.2	613.5
152.5°	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4	661.6	636.5	612.6
155°	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4	650.7	629.8	610.0
157.5°	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5	640.5	622.8	607.0
160°	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2	632.1	618.2	604.2
162.5°	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0	624.7	612.6	601.4
165°	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8	613.5	604.2	597.2
167.5°	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3	602.6	596.1	590.7
170°	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9	596.1	591.4	588.0
172.5°	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5	589.6	585.9	584.2
175°	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5	581.0	579.8	579.8
177.5°	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2	577.3	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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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°	10.0	9.5	9.6	9.2	8.4	9.4	9.9	10.0	9.6	9.4	9.3
90°	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2	2.3	4.6	7.0
92.5°	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2	17.2	27.0	41.4
95°	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3	39.5	48.8	61.6
97.5°	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7	65.1	71.6	84.4
100°	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3	83.7	88.3	101.1
102.5°	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9	102.3	106.0	119.7
105°	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3	131.3	137.1	148.7
107.5°	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0	163.4	168.9	178.5
110°	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4	184.8	189.4	199.9



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8	206.1	209.8	220.3
115°	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7	237.0	240.5	251.0
117.5°	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6	266.1	269.8	280.3
120°	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2	284.7	289.3	299.8
122.5°	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7	303.3	307.0	317.4
125°	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3	327.7	333.5	343.9
127.5°	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6	348.1	355.6	368.8
130°	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7	360.2	369.5	384.6
132.5°	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0	370.4	381.6	398.6
135°	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1	385.8	399.7	418.3
137.5°	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2	403.7	416.7	435.3
140°	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3	414.8	428.8	447.4
142.5°	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3	426.9	439.9	458.5
145°	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9	446.2	457.8	474.1
147.5°	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3	465.7	475.7	490.8
150°	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4	478.7	486.9	502.0
152.5°	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4	490.8	498.0	511.3
155°	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6	506.6	513.6	525.2
157.5°	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0	521.7	527.3	537.3
160°	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2	531.0	535.7	543.8
162.5°	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5	539.4	544.0	551.2
165°	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1	550.8	554.3	560.1
167.5°	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5	560.3	562.4	565.6
170°	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0	565.9	567.0	569.4
172.5°	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8	568.7	569.8	572.1
175°	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2	572.8	574.0	575.2
177.5°	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3	575.4	575.4	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

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°	9.5	9.9	9.8	10.9	10.2	11.0	11.2	11.2	11.4	11.6	11.8
90°	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9	22.1	23.2	25.6
92.5°	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9	149.4	112.5	95.3
95°	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4	658.8	515.9	418.3
97.5°	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2	1120.4	981.2	845.4
100°	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2	1372.3	1252.6	1131.7
102.5°	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5	1526.6	1469.2	1387.4
105°	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8	1614.0	1665.1	1652.3
107.5°	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7	1536.1	1667.4	1728.1
110°	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0	1447.8	1611.6	1710.4



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8	1360.4	1526.1	1642.5
115°	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1	1235.2	1394.3	1521.0
117.5°	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2	1148.5	1285.6	1401.8
120°	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8	1099.2	1227.0	1329.3
122.5°	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7	1063.9	1177.8	1273.5
125°	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2	1016.7	1117.8	1201.5
127.5°	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0	971.6	1066.0	1144.3
130°	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8	940.0	1030.7	1106.2
132.5°	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5	910.3	992.5	1065.3
135°	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3	864.5	938.9	1005.1
137.5°	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8	823.6	885.4	941.7
140°	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8	799.4	852.9	901.7
142.5°	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7	779.0	825.0	867.3
145°	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9	752.9	789.0	820.3
147.5°	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1	731.3	759.0	782.7
150°	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7	719.3	741.3	762.2
152.5°	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4	707.2	727.4	743.7
155°	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4	689.0	705.3	718.1
157.5°	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5	671.8	684.4	694.4
160°	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2	658.8	670.4	678.6
162.5°	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0	647.7	657.4	664.6
165°	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8	630.9	637.9	643.7
167.5°	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3	614.7	620.0	624.2
170°	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9	605.4	608.9	611.2
172.5°	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5	597.0	599.6	601.0
175°	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5	584.5	586.8	586.8
177.5°	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2	579.1	579.1	579.1
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

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°	12.1	11.8	12.0	12.0	12.0	11.8	12.1	11.8	11.6	11.4	11.2
90°	25.6	25.6	26.7	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9
92.5°	80.4	77.6	76.0	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9
95°	335.8	300.9	291.7	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4
97.5°	773.6	708.6	674.9	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2
100°	1051.6	967.9	924.9	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2
102.5°	1301.6	1242.1	1195.4	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5
105°	1615.1	1576.8	1553.5	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8
107.5°	1746.9	1746.7	1739.0	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7
110°	1762.7	1784.8	1792.9	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1719.0	1756.9	1777.1	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8
115°	1611.6	1667.4	1699.9	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1
117.5°	1492.4	1550.1	1582.4	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2
120°	1415.3	1471.0	1502.4	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8
122.5°	1350.2	1401.3	1432.7	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7
125°	1266.5	1314.2	1339.7	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2
127.5°	1203.3	1245.4	1269.6	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0
130°	1164.3	1202.6	1225.9	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8
132.5°	1123.4	1161.7	1183.1	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5
135°	1056.2	1094.6	1115.5	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3
137.5°	987.4	1022.3	1041.6	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8
140°	944.7	974.9	992.3	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8
142.5°	903.8	929.3	945.8	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7
145°	848.2	868.0	880.8	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9
147.5°	804.8	820.6	828.0	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1
150°	779.7	793.6	798.3	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7
152.5°	758.3	769.4	774.1	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4
155°	729.7	737.8	741.3	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4
157.5°	703.4	710.2	713.4	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5
160°	686.7	692.5	694.9	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2
162.5°	670.9	675.8	676.3	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0
165°	648.4	650.7	650.7	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8
167.5°	626.5	628.6	627.7	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3
170°	613.5	614.7	614.7	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9
172.5°	601.4	603.5	601.7	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5
175°	586.8	588.0	585.6	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5
177.5°	578.2	579.1	576.3	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

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°	11.2	11.0	10.2	10.9	9.8	9.9	9.5	9.3	9.4	9.6	10.0
90°	19.8	18.6	16.3	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2
92.5°	303.3	374.6	380.7	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2
95°	1007.4	1029.5	840.1	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3
97.5°	1274.7	1099.4	750.2	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7
100°	1339.7	1049.2	669.3	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3
102.5°	1300.7	960.9	607.9	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9
105°	1175.9	842.4	548.4	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3
107.5°	1048.6	760.8	523.3	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0
110°	976.0	722.7	515.9	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	922.1	700.4	515.9	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8
115°	863.3	676.3	519.4	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7
117.5°	828.2	664.4	527.1	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6
120°	808.7	658.8	534.5	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2
122.5°	792.0	654.2	541.0	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7
125°	769.2	648.4	551.9	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3
127.5°	748.3	645.6	564.2	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6
130°	734.4	643.7	571.7	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7
132.5°	723.2	643.7	580.0	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0
135°	710.0	643.7	591.4	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1
137.5°	698.1	645.1	601.9	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2
140°	692.5	646.0	606.5	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3
142.5°	687.9	647.0	609.3	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3
145°	680.9	646.0	612.4	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9
147.5°	673.7	643.0	613.5	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3
150°	668.1	640.2	613.5	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4
152.5°	661.6	636.5	612.6	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4
155°	650.7	629.8	610.0	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6
157.5°	640.5	622.8	607.0	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0
160°	632.1	618.2	604.2	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2
162.5°	624.7	612.6	601.4	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5
165°	613.5	604.2	597.2	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1
167.5°	602.6	596.1	590.7	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5
170°	596.1	591.4	588.0	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0
172.5°	589.6	585.9	584.2	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8
175°	581.0	579.8	579.8	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2
177.5°	577.3	576.3	576.3	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333546

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

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°	9.9	9.4	8.4	9.2	9.6	9.5	10.0	9.9	10.1	10.3	10.6
90°	2.3	4.6	7.0	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9
92.5°	17.2	27.0	41.4	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9
95°	39.5	48.8	61.6	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4
97.5°	65.1	71.6	84.4	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2
100°	83.7	88.3	101.1	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2
102.5°	102.3	106.0	119.7	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5
105°	131.3	137.1	148.7	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8
107.5°	163.4	168.9	178.5	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7
110°	184.8	189.4	199.9	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0



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CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	206.1	209.8	220.3	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8
115°	237.0	240.5	251.0	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1
117.5°	266.1	269.8	280.3	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2
120°	284.7	289.3	299.8	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8
122.5°	303.3	307.0	317.4	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7
125°	327.7	333.5	343.9	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2
127.5°	348.1	355.6	368.8	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0
130°	360.2	369.5	384.6	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8
132.5°	370.4	381.6	398.6	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5
135°	385.8	399.7	418.3	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3
137.5°	403.7	416.7	435.3	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8
140°	414.8	428.8	447.4	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8
142.5°	426.9	439.9	458.5	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7
145°	446.2	457.8	474.1	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9
147.5°	465.7	475.7	490.8	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1
150°	478.7	486.9	502.0	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7
152.5°	490.8	498.0	511.3	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4
155°	506.6	513.6	525.2	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4
157.5°	521.7	527.3	537.3	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5
160°	531.0	535.7	543.8	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2
162.5°	539.4	544.0	551.2	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0
165°	550.8	554.3	560.1	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8
167.5°	560.3	562.4	565.6	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3
170°	565.9	567.0	569.4	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9
172.5°	568.7	569.8	572.1	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5
175°	572.8	574.0	575.2	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5
177.5°	575.4	575.4	576.3	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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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°	11.1	11.6	11.5	11.2	11.2	11.7	12.0
90°	22.1	23.2	25.6	25.6	25.6	26.7	26.7
92.5°	149.4	112.5	95.3	80.4	77.6	76.0	74.1
95°	658.8	515.9	418.3	335.8	300.9	291.7	273.1
97.5°	1120.4	981.2	845.4	773.6	708.6	674.9	660.0
100°	1372.3	1252.6	1131.7	1051.6	967.9	924.9	906.3
102.5°	1526.6	1469.2	1387.4	1301.6	1242.1	1195.4	1181.5
105°	1614.0	1665.1	1652.3	1615.1	1576.8	1553.5	1539.6
107.5°	1536.1	1667.4	1728.1	1746.9	1746.7	1739.0	1729.7
110°	1447.8	1611.6	1710.4	1762.7	1784.8	1792.9	1792.9



TEST NUMBER: P333546

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1360.4	1526.1	1642.5	1719.0	1756.9	1777.1	1785.5
115°	1235.2	1394.3	1521.0	1611.6	1667.4	1699.9	1715.0
117.5°	1148.5	1285.6	1401.8	1492.4	1550.1	1582.4	1591.6
120°	1099.2	1227.0	1329.3	1415.3	1471.0	1502.4	1511.7
122.5°	1063.9	1177.8	1273.5	1350.2	1401.3	1432.7	1441.1
125°	1016.7	1117.8	1201.5	1266.5	1314.2	1339.7	1351.4
127.5°	971.6	1066.0	1144.3	1203.3	1245.4	1269.6	1274.7
130°	940.0	1030.7	1106.2	1164.3	1202.6	1225.9	1232.8
132.5°	910.3	992.5	1065.3	1123.4	1161.7	1183.1	1191.0
135°	864.5	938.9	1005.1	1056.2	1094.6	1115.5	1122.5
137.5°	823.6	885.4	941.7	987.4	1022.3	1041.6	1049.2
140°	799.4	852.9	901.7	944.7	974.9	992.3	998.1
142.5°	779.0	825.0	867.3	903.8	929.3	945.8	950.7
145°	752.9	789.0	820.3	848.2	868.0	880.8	885.4
147.5°	731.3	759.0	782.7	804.8	820.6	828.0	830.1
150°	719.3	741.3	762.2	779.7	793.6	798.3	799.4
152.5°	707.2	727.4	743.7	758.3	769.4	774.1	775.3
155°	689.0	705.3	718.1	729.7	737.8	741.3	742.5
157.5°	671.8	684.4	694.4	703.4	710.2	713.4	713.2
160°	658.8	670.4	678.6	686.7	692.5	694.9	693.7
162.5°	647.7	657.4	664.6	670.9	675.8	676.3	676.0
165°	630.9	637.9	643.7	648.4	650.7	650.7	650.7
167.5°	614.7	620.0	624.2	626.5	628.6	627.7	627.5
170°	605.4	608.9	611.2	613.5	614.7	614.7	613.5
172.5°	597.0	599.6	601.0	601.4	603.5	601.7	600.5
175°	584.5	586.8	586.8	586.8	588.0	585.6	584.5
177.5°	579.1	579.1	579.1	578.2	579.1	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3

(END OF REPORT)