

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: P333546-830

Luminaire Tested: **S125RDIP-S610D1205U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333546-830
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-S610D1205U830-4F0-1E-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: 6336.4 lumens
Efficiency: N/A
Efficacy: 128.3 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-Indirect

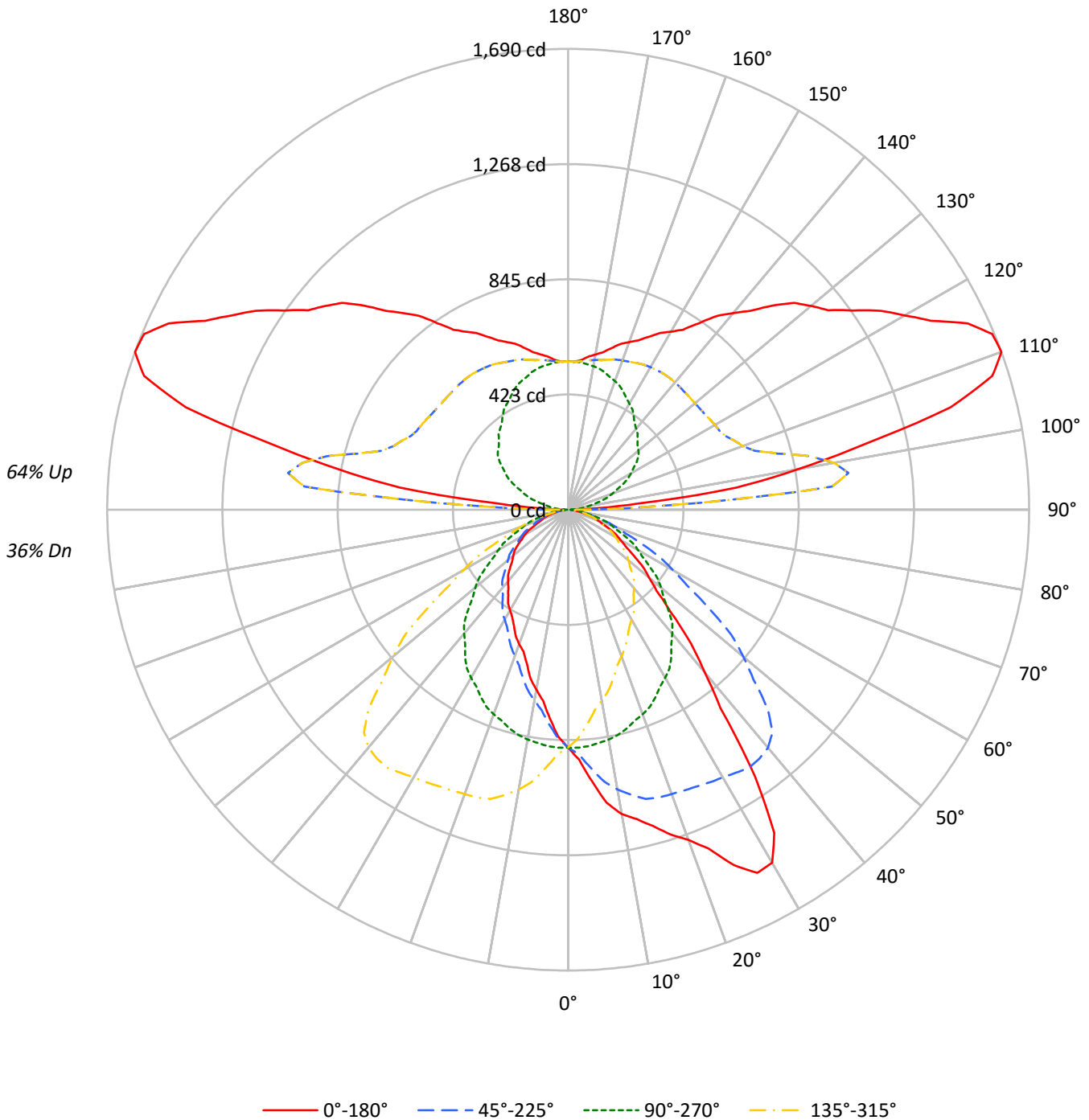
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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°	5633	5633	5633	5633
5°	6481	5641	4982	5641
10°	7434	5612	4395	5612
15°	8029	5554	3907	5554
20°	8854	5487	3608	5487
25°	10246	5399	3348	5399
30°	11150	5305	3177	5305
35°	9406	5196	3020	5196
40°	6568	5001	2886	5001
45°	4873	4738	2754	4738
50°	3885	4464	2640	4464
55°	3297	4124	2540	4124
60°	2849	3821	2378	3821
65°	2540	3492	2046	3492
70°	2232	3199	1866	3199
75°	1931	2770	1752	2770
80°	1465	2332	1465	2332
85°	1223	1830	1386	1830



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.3
10°-20°	245.1	3.9
20°-30°	388.6	6.1
30°-40°	468.7	7.4
40°-50°	418.5	6.6
50°-60°	321.0	5.1
60°-70°	208.6	3.3
70°-80°	101.4	1.6
80°-90°	27.2	0.4
90°-100°	393.7	6.2
100°-110°	846.4	13.4
110°-120°	794.4	12.5
120°-130°	643.8	10.2
130°-140°	516.6	8.2
140°-150°	389.9	6.2
150°-160°	274.4	4.3
160°-170°	161.8	2.6
170°-180°	52.6	0.8
0°-30°	717.4	11.3
0°-40°	1186.0	18.7
0°-60°	1925.5	30.4
0°-90°	2262.7	35.7
90°-120°	2034.5	32.1
90°-150°	3584.8	56.6
90°-180°	4074.0	64.3
0°-180°	6336.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	1000	870	768	870	1000	100
15°	1201	831	584	831	1201	344
25°	1438	758	470	758	1438	660
35°	1193	659	383	659	1193	721
45°	534	519	302	519	534	426
55°	293	366	226	366	293	266
65°	166	228	134	228	166	165
75°	77	111	70	111	77	82
85°	16	25	19	25	16	20
90°	25	1	25	1	25	18
95°	257	36	257	36	257	365
105°	1451	124	1451	124	1451	1442
115°	1616	221	1616	221	1616	1579
125°	1274	307	1274	307	1274	1152
135°	1058	359	1058	359	1058	820
145°	834	418	834	418	834	530
155°	700	478	700	478	700	326
165°	613	521	613	521	613	175
175°	551	542	551	542	551	54
180°	543	543	543	543	543	



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	917.5	916.9	918.0	914.8	915.2	910.3	910.3	906.5	901.7	898.0	896.3
5°	999.7	1000.4	998.9	993.5	990.0	984.6	978.5	967.8	958.8	950.3	943.5
7.5°	1084.3	1084.8	1080.1	1078.5	1069.4	1062.8	1049.3	1034.7	1021.7	1005.2	992.7
10°	1133.6	1133.2	1128.2	1124.3	1116.3	1106.4	1093.1	1075.9	1059.8	1041.9	1024.7
12.5°	1162.2	1161.3	1159.7	1154.9	1147.6	1138.7	1127.5	1110.6	1090.7	1071.1	1051.1
15°	1200.9	1198.3	1193.7	1187.6	1177.2	1166.9	1154.3	1139.3	1120.3	1098.2	1079.5
17.5°	1248.7	1248.8	1241.6	1233.2	1219.1	1200.7	1181.4	1157.2	1131.3	1106.9	1087.1
20°	1288.3	1287.1	1280.0	1263.6	1247.5	1224.6	1202.3	1172.6	1141.1	1109.2	1084.5
22.5°	1344.9	1342.2	1334.7	1313.1	1288.1	1258.6	1224.6	1188.4	1150.3	1114.1	1081.7
25°	1437.9	1435.8	1421.1	1396.0	1360.9	1315.4	1271.0	1221.3	1166.5	1118.9	1079.5
27.5°	1501.5	1499.1	1488.3	1467.4	1435.0	1387.2	1327.1	1260.7	1192.2	1126.7	1069.9
30°	1495.2	1500.5	1499.1	1489.5	1465.1	1422.1	1366.7	1291.8	1210.5	1133.6	1065.9
32.5°	1405.2	1410.0	1422.7	1441.6	1443.0	1425.9	1384.4	1315.3	1231.1	1143.6	1062.7
35°	1193.0	1199.5	1223.8	1262.1	1312.2	1354.2	1362.7	1325.5	1249.9	1155.7	1058.0
37.5°	917.2	952.4	972.9	1013.2	1088.9	1166.0	1240.1	1267.4	1235.3	1150.8	1050.4
40°	779.1	787.7	824.3	869.7	933.4	1013.6	1119.3	1195.5	1198.0	1139.3	1038.3
42.5°	666.8	677.7	702.8	739.0	793.6	873.8	982.9	1083.5	1130.1	1107.8	1022.6
45°	533.5	541.7	560.0	587.9	629.8	696.1	789.9	906.3	998.6	1034.7	980.3
47.5°	438.3	442.7	458.5	479.8	510.9	559.1	631.7	732.7	843.6	921.2	913.6
50°	386.7	391.7	403.9	420.0	446.1	486.9	545.0	629.1	743.3	838.2	857.1
52.5°	346.6	350.7	358.4	373.6	395.1	426.5	473.3	549.5	652.2	753.1	797.0
55°	292.8	295.8	301.8	310.4	327.6	350.2	390.6	443.3	526.3	628.0	692.5
57.5°	248.6	250.1	253.9	261.8	273.7	290.2	319.4	364.1	423.7	515.2	586.4
60°	220.6	222.0	227.0	232.3	241.7	256.7	279.7	310.8	368.1	443.7	515.6
62.5°	198.2	199.1	201.2	206.6	214.7	226.4	244.4	269.8	315.4	381.7	449.7
65°	166.2	166.5	167.2	171.5	176.5	185.1	196.9	214.8	249.2	299.4	359.5
67.5°	135.3	135.8	138.4	139.9	145.1	149.6	156.6	170.2	194.4	228.2	274.9
70°	118.2	117.8	120.3	122.1	123.9	129.2	133.9	145.0	160.0	185.9	224.9
72.5°	102.1	101.2	102.3	102.9	105.3	109.0	113.6	120.4	132.0	149.8	179.6
75°	77.4	77.7	77.7	78.4	80.2	81.6	83.0	86.6	93.1	104.9	121.0
77.5°	54.3	53.7	55.2	55.4	56.5	58.1	59.3	60.7	63.3	68.2	76.5
80°	39.4	39.4	39.8	40.8	40.4	41.2	43.0	44.4	47.6	50.5	53.3
82.5°	30.3	30.0	30.3	30.5	30.4	31.1	31.8	32.0	33.3	34.7	36.8
85°	16.5	16.5	16.9	16.9	17.2	17.2	17.5	17.5	17.5	17.9	18.3
87.5°	11.3	11.0	10.6	10.6	10.8	10.9	10.5	10.0	9.7	9.5	9.3
90°	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7	18.7	17.5	15.4
92.5°	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1	285.9	353.1	358.8
95°	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4	949.5	970.3	791.8
97.5°	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7	1201.5	1036.2	707.1
100°	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1	1262.7	988.9	630.8
102.5°	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8	1226.0	905.7	573.0
105°	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2	1108.3	794.0	516.9
107.5°	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6	988.4	717.1	493.2
110°	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5	919.9	681.2	486.3



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7	869.1	660.2	486.3
115°	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5	813.7	637.4	489.6
117.5°	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1	780.6	626.2	496.8
120°	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7	762.2	620.9	503.8
122.5°	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0	746.5	616.6	509.9
125°	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6	725.0	611.1	520.2
127.5°	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5	705.3	608.5	531.8
130°	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7	692.2	606.7	538.9
132.5°	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7	681.6	606.7	546.7
135°	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2	669.2	606.7	557.4
137.5°	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2	658.0	608.0	567.3
140°	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0	652.7	608.9	571.7
142.5°	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6	648.4	609.8	574.3
145°	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7	641.8	608.9	577.2
147.5°	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8	635.0	606.1	578.2
150°	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8	629.7	603.4	578.2
152.5°	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1	623.6	599.9	577.4
155°	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9	613.3	593.6	575.0
157.5°	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8	603.7	587.0	572.1
160°	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0	595.8	582.7	569.5
162.5°	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4	588.8	577.4	566.8
165°	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0	578.2	569.5	562.9
167.5°	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3	568.0	561.8	556.8
170°	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3	561.8	557.4	554.2
172.5°	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4	555.7	552.2	550.6
175°	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9	547.6	546.5	546.5
177.5°	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0	544.1	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	896.3	894.3	890.5	887.1	882.8	879.1	876.5	873.4	869.3	864.5	860.4
5°	935.9	928.0	917.7	908.7	897.3	888.3	879.0	870.1	861.1	849.6	839.6
7.5°	979.9	963.7	947.8	927.9	909.8	893.7	878.3	862.6	847.3	831.0	815.3
10°	1006.8	987.1	965.3	940.2	917.3	895.5	875.4	855.7	835.0	816.7	797.0
12.5°	1032.0	1006.6	981.7	950.0	922.5	895.8	870.2	845.7	823.5	799.8	778.6
15°	1054.8	1029.7	1001.8	963.2	924.8	892.6	862.5	830.7	803.1	776.6	753.0
17.5°	1063.6	1037.4	1004.8	967.7	925.9	885.3	846.6	811.6	779.2	748.3	721.7
20°	1060.2	1034.7	1001.5	966.0	921.2	879.0	837.1	798.4	762.2	729.7	701.4
22.5°	1051.9	1025.6	993.4	956.0	913.5	868.6	824.0	782.7	744.8	711.1	680.2
25°	1039.4	1003.6	970.6	934.2	893.7	849.3	803.1	757.6	717.2	682.8	649.1
27.5°	1026.4	981.8	939.9	903.5	860.8	821.2	776.7	730.1	687.5	652.5	618.0
30°	1014.7	964.6	918.4	877.2	836.8	799.2	756.9	711.4	667.8	631.6	596.5
32.5°	1000.1	946.8	896.1	848.6	809.5	772.2	734.0	690.5	648.0	610.7	575.0
35°	981.8	913.7	858.6	808.1	764.8	728.6	694.3	659.1	616.5	577.9	543.2
37.5°	957.7	880.5	816.7	761.7	716.0	679.7	652.6	620.5	581.6	544.6	512.4
40°	943.1	856.5	786.6	732.2	684.2	645.9	620.5	593.2	557.8	523.1	490.9
42.5°	923.6	834.4	756.3	699.6	651.3	614.4	588.7	565.0	535.2	502.5	468.0
45°	885.4	791.6	709.6	648.8	600.1	563.9	539.9	518.8	496.2	466.2	436.1
47.5°	835.8	747.1	661.2	594.7	547.1	513.5	490.2	473.5	457.4	431.9	402.7
50°	796.0	710.4	626.6	562.1	511.3	479.4	457.6	444.3	429.6	406.4	382.0
52.5°	748.9	672.6	590.5	524.6	476.6	446.8	425.7	412.6	400.4	381.4	358.3
55°	675.0	607.9	532.7	473.0	429.0	398.9	378.8	366.3	359.1	343.0	324.7
57.5°	589.5	541.5	475.2	417.5	378.6	348.8	334.2	323.6	315.5	304.1	291.2
60°	529.9	496.2	436.8	382.0	346.2	317.9	304.7	295.8	288.2	278.5	268.5
62.5°	469.5	445.0	393.3	346.2	313.3	289.5	277.2	269.1	260.4	253.9	244.2
65°	388.5	366.6	330.8	294.0	263.5	244.6	235.6	228.5	223.1	215.9	209.1
67.5°	302.2	293.3	268.6	243.2	221.3	204.4	196.7	191.7	185.2	181.0	176.3
70°	249.2	244.9	227.3	210.6	190.1	178.7	171.5	169.4	161.5	157.2	153.9
72.5°	202.3	200.2	190.1	178.4	164.1	154.0	147.4	145.0	140.0	136.6	134.5
75°	138.6	139.3	137.5	130.0	124.6	118.2	112.4	111.0	107.4	104.5	102.7
77.5°	87.7	91.3	91.4	91.0	89.0	85.0	82.7	81.5	78.0	77.0	76.5
80°	60.1	64.1	67.7	67.3	66.6	65.5	63.7	62.7	60.9	59.8	59.1
82.5°	40.1	43.7	46.8	48.7	48.5	47.5	46.3	45.7	45.4	44.6	44.5
85°	18.9	19.7	20.7	23.3	25.1	25.4	25.1	24.7	23.7	24.0	24.3
87.5°	9.4	9.0	9.0	8.7	7.9	8.9	9.3	9.4	9.0	8.9	8.8
90°	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1	2.2	4.3	6.6
92.5°	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4	16.2	25.4	39.0
95°	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1	37.2	46.0	58.1
97.5°	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0	61.4	67.5	79.6
100°	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6	78.9	83.2	95.3
102.5°	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1	96.4	99.9	112.8
105°	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8	123.8	129.2	140.2
107.5°	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7	154.0	159.2	168.2
110°	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9	174.2	178.5	188.4



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1	194.3	197.7	207.6
115°	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2	223.4	226.7	236.6
117.5°	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5	250.8	254.3	264.2
120°	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0	268.3	272.7	282.6
122.5°	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4	285.9	289.4	299.2
125°	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6	308.9	314.3	324.1
127.5°	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8	328.1	335.2	347.6
130°	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2	339.5	348.3	362.5
132.5°	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0	349.1	359.7	375.7
135°	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2	363.6	376.7	394.3
137.5°	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2	380.5	392.8	410.3
140°	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7	391.0	404.2	421.7
142.5°	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9	402.4	414.6	432.2
145°	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4	420.6	431.5	446.9
147.5°	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6	438.9	448.4	462.6
150°	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0	451.2	458.9	473.2
152.5°	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3	462.6	469.4	481.9
155°	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5	477.5	484.1	495.0
157.5°	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0	491.7	497.0	506.4
160°	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6	500.5	504.9	512.6
162.5°	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4	508.4	512.7	519.5
165°	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3	519.2	522.5	527.9
167.5°	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2	528.1	530.1	533.1
170°	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4	533.4	534.4	536.7
172.5°	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0	536.0	537.1	539.2
175°	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2	539.9	541.0	542.2
177.5°	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1	542.3	542.3	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	857.6	853.6	850.7	845.0	840.9	839.2	836.1	835.3	838.4	836.1	835.8
5°	832.1	821.7	813.5	805.2	796.3	790.6	781.9	780.5	778.4	775.1	774.5
7.5°	801.5	788.0	777.4	763.7	752.0	742.4	731.7	726.6	723.8	719.6	714.1
10°	780.9	764.8	750.5	736.9	722.2	710.4	699.6	691.4	686.0	681.0	678.8
12.5°	760.5	744.1	725.9	709.4	693.0	679.7	667.8	662.4	656.5	650.6	645.6
15°	729.0	707.1	687.1	668.1	654.1	639.8	628.4	620.5	611.5	609.1	599.4
17.5°	695.5	674.0	650.5	630.6	614.4	598.6	586.1	577.1	570.3	561.1	556.7
20°	674.6	649.1	626.2	607.9	590.0	571.5	558.6	551.0	544.6	537.1	533.5
22.5°	652.2	627.4	603.9	582.5	564.3	545.9	536.8	529.0	521.7	514.7	510.0
25°	619.4	594.4	569.7	547.4	528.5	515.2	504.4	495.5	491.6	484.7	479.8
27.5°	587.0	560.3	534.7	512.6	497.7	484.6	475.8	468.7	461.6	455.6	451.3
30°	566.1	538.9	511.0	493.4	477.6	465.1	455.4	448.7	443.3	437.9	434.7
32.5°	545.2	517.1	492.3	473.3	458.5	447.6	437.7	431.1	425.5	419.5	415.8
35°	511.6	483.0	463.0	444.3	429.6	419.6	412.8	403.5	398.9	394.5	390.6
37.5°	480.5	453.8	432.2	415.8	403.1	393.1	384.4	379.3	373.6	369.8	366.5
40°	457.6	433.2	413.6	396.3	387.0	376.0	367.7	361.3	356.9	351.9	348.4
42.5°	437.0	414.3	395.2	379.8	368.2	358.7	350.8	344.4	338.9	335.4	332.3
45°	407.8	385.2	366.6	352.3	341.6	332.6	324.4	321.1	314.0	309.7	308.3
47.5°	377.7	357.5	339.5	326.3	315.3	306.8	299.1	292.6	288.6	284.4	282.1
50°	357.3	338.0	321.1	308.3	297.6	288.2	281.1	276.7	271.4	267.5	264.6
52.5°	337.0	319.1	302.3	289.9	280.6	271.4	263.3	259.0	253.9	251.4	249.4
55°	307.9	289.0	274.7	262.4	252.8	244.2	236.7	232.3	229.1	226.7	225.9
57.5°	274.9	260.0	246.7	235.6	225.6	217.5	210.9	206.9	204.1	203.7	201.5
60°	253.4	239.9	227.7	215.9	207.3	199.8	194.1	189.5	186.5	186.2	185.5
62.5°	232.1	219.0	207.6	197.3	189.5	182.3	176.9	171.6	169.9	168.1	166.5
65°	200.1	188.3	179.0	170.8	162.6	156.5	151.1	147.9	143.9	141.8	137.9
67.5°	168.8	159.7	150.7	143.8	137.3	131.6	127.1	122.3	119.7	117.9	115.1
70°	148.3	141.1	132.1	124.6	119.6	114.9	111.3	105.9	104.2	102.7	101.3
72.5°	128.8	122.4	114.9	108.9	103.9	99.4	95.3	92.8	91.0	89.5	88.7
75°	101.3	95.2	88.8	84.5	81.0	77.4	75.2	73.4	72.7	72.3	70.9
77.5°	74.4	71.2	66.0	62.6	60.2	58.8	56.8	55.9	55.9	54.3	53.8
80°	56.9	55.1	50.8	49.4	47.6	46.2	45.1	43.4	41.6	40.8	39.8
82.5°	42.3	40.5	38.8	36.5	35.1	34.1	33.1	32.4	32.6	31.7	31.1
85°	22.5	20.7	20.1	19.7	18.9	19.7	19.3	18.9	18.7	18.3	18.7
87.5°	9.0	9.3	9.2	10.3	9.6	10.4	10.6	10.6	10.7	10.9	11.1
90°	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7	20.8	21.9	24.1
92.5°	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1	140.8	106.0	89.8
95°	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4	620.9	486.3	394.3
97.5°	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7	1056.0	924.8	796.8
100°	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1	1293.5	1180.6	1066.7
102.5°	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8	1438.9	1384.8	1307.7
105°	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2	1521.3	1569.4	1557.4
107.5°	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6	1447.8	1571.6	1628.8
110°	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5	1364.6	1519.0	1612.1



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7	1282.2	1438.4	1548.1
115°	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5	1164.2	1314.2	1433.6
117.5°	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1	1082.5	1211.7	1321.3
120°	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7	1036.0	1156.5	1252.9
122.5°	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0	1002.8	1110.1	1200.3
125°	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6	958.3	1053.6	1132.5
127.5°	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5	915.8	1004.8	1078.6
130°	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7	886.0	971.5	1042.6
132.5°	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7	858.0	935.5	1004.1
135°	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2	814.8	885.0	947.3
137.5°	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2	776.3	834.5	887.6
140°	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0	753.5	803.9	849.9
142.5°	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6	734.2	777.6	817.5
145°	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7	709.6	743.7	773.2
147.5°	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8	689.3	715.4	737.7
150°	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8	678.0	698.7	718.4
152.5°	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1	666.6	685.6	701.0
155°	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9	649.4	664.8	676.8
157.5°	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8	633.2	645.1	654.5
160°	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0	620.9	631.9	639.6
162.5°	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4	610.5	619.6	626.4
165°	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0	594.7	601.2	606.7
167.5°	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3	579.4	584.4	588.3
170°	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3	570.6	573.9	576.1
172.5°	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4	562.7	565.1	566.5
175°	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9	550.9	553.1	553.1
177.5°	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0	545.8	545.8	545.8
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	835.6	832.4	831.5	832.6	831.5	832.4	835.6	835.8	836.1	838.4	835.3
5°	770.9	767.3	769.1	768.4	769.1	767.3	770.9	774.5	775.1	778.4	780.5
7.5°	714.0	709.5	704.8	706.3	704.8	709.5	714.0	714.1	719.6	723.8	726.6
10°	674.2	670.6	668.5	670.2	668.5	670.6	674.2	678.8	681.0	686.0	691.4
12.5°	640.6	638.6	636.7	635.9	636.7	638.6	640.6	645.6	650.6	656.5	662.4
15°	595.0	590.8	589.0	584.4	589.0	590.8	595.0	599.4	609.1	611.5	620.5
17.5°	553.0	551.6	547.0	545.0	547.0	551.6	553.0	556.7	561.1	570.3	577.1
20°	528.1	526.7	522.1	524.9	522.1	526.7	528.1	533.5	537.1	544.6	551.0
22.5°	507.5	504.4	502.8	502.0	502.8	504.4	507.5	510.0	514.7	521.7	529.0
25°	478.3	473.7	471.9	469.8	471.9	473.7	478.3	479.8	484.7	491.6	495.5
27.5°	449.3	446.8	444.4	443.8	444.4	446.8	449.3	451.3	455.6	461.6	468.7
30°	430.4	427.8	426.0	426.0	426.0	427.8	430.4	434.7	437.9	443.3	448.7
32.5°	413.5	411.5	409.7	409.4	409.7	411.5	413.5	415.8	419.5	425.5	431.1
35°	388.8	386.0	385.2	383.1	385.2	386.0	388.8	390.6	394.5	398.9	403.5
37.5°	363.3	360.9	360.8	360.6	360.8	360.9	363.3	366.5	369.8	373.6	379.3
40°	346.9	345.2	344.8	342.3	344.8	345.2	346.9	348.4	351.9	356.9	361.3
42.5°	329.5	328.6	327.3	326.2	327.3	328.6	329.5	332.3	335.4	338.9	344.4
45°	305.8	303.3	303.3	301.5	303.3	303.3	305.8	308.3	309.7	314.0	321.1
47.5°	281.3	279.4	279.6	277.7	279.6	279.4	281.3	282.1	284.4	288.6	292.6
50°	264.9	263.9	263.5	262.8	263.5	263.9	264.9	264.6	267.5	271.4	276.7
52.5°	248.6	248.2	249.5	247.9	249.5	248.2	248.6	249.4	251.4	253.9	259.0
55°	226.7	225.6	227.7	225.6	227.7	225.6	226.7	225.9	226.7	229.1	232.3
57.5°	201.3	200.4	202.3	201.2	202.3	200.4	201.3	201.5	203.7	204.1	206.9
60°	184.7	182.6	183.7	184.1	183.7	182.6	184.7	185.5	186.2	186.5	189.5
62.5°	164.9	163.7	164.5	162.9	164.5	163.7	164.9	166.5	168.1	169.9	171.6
65°	137.1	136.1	134.6	133.9	134.6	136.1	137.1	137.9	141.8	143.9	147.9
67.5°	115.2	112.6	112.5	113.1	112.5	112.6	115.2	115.1	117.9	119.7	122.3
70°	99.2	99.2	98.8	98.8	98.8	99.2	99.2	101.3	102.7	104.2	105.9
72.5°	88.0	87.8	87.1	86.8	87.1	87.8	88.0	88.7	89.5	91.0	92.8
75°	70.9	71.3	70.5	70.2	70.5	71.3	70.9	70.9	72.3	72.7	73.4
77.5°	52.3	50.8	51.7	50.8	51.7	50.8	52.3	53.8	54.3	55.9	55.9
80°	39.8	39.4	40.4	39.4	40.4	39.4	39.8	39.8	40.8	41.6	43.4
82.5°	31.5	31.1	31.6	30.8	31.6	31.1	31.5	31.1	31.7	32.6	32.4
85°	18.9	18.7	18.3	18.7	18.3	18.7	18.9	18.7	18.3	18.7	18.9
87.5°	11.4	11.1	11.3	11.3	11.3	11.1	11.4	11.1	10.9	10.7	10.6
90°	24.1	24.1	25.2	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7
92.5°	75.8	73.1	71.6	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1
95°	316.5	283.6	274.9	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4
97.5°	729.2	667.9	636.1	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7
100°	991.2	912.3	871.8	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1
102.5°	1226.8	1170.7	1126.7	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8
105°	1522.3	1486.2	1464.2	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2
107.5°	1646.5	1646.3	1639.1	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6
110°	1661.4	1682.2	1689.9	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1620.2	1656.0	1675.0	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7
115°	1519.0	1571.6	1602.2	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5
117.5°	1406.7	1461.0	1491.5	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1
120°	1334.0	1386.5	1416.1	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7
122.5°	1272.6	1320.8	1350.4	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0
125°	1193.7	1238.7	1262.7	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6
127.5°	1134.2	1173.8	1196.7	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5
130°	1097.4	1133.5	1155.5	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7
132.5°	1058.9	1095.0	1115.1	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7
135°	995.5	1031.7	1051.4	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2
137.5°	930.7	963.6	981.8	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2
140°	890.4	918.9	935.3	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0
142.5°	851.9	875.9	891.5	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6
145°	799.5	818.1	830.2	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7
147.5°	758.6	773.5	780.4	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8
150°	734.9	748.0	752.4	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8
152.5°	714.7	725.2	729.6	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1
155°	687.8	695.4	698.7	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9
157.5°	663.0	669.4	672.4	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8
160°	647.2	652.7	655.0	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0
162.5°	632.4	637.0	637.4	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4
165°	611.1	613.3	613.3	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0
167.5°	590.5	592.5	591.6	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3
170°	578.2	579.4	579.4	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3
172.5°	566.8	568.8	567.1	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4
175°	553.1	554.2	552.0	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9
177.5°	545.0	545.8	543.2	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	836.1	839.2	840.9	845.0	850.7	853.6	857.6	860.4	864.5	869.3	873.4
5°	781.9	790.6	796.3	805.2	813.5	821.7	832.1	839.6	849.6	861.1	870.1
7.5°	731.7	742.4	752.0	763.7	777.4	788.0	801.5	815.3	831.0	847.3	862.6
10°	699.6	710.4	722.2	736.9	750.5	764.8	780.9	797.0	816.7	835.0	855.7
12.5°	667.8	679.7	693.0	709.4	725.9	744.1	760.5	778.6	799.8	823.5	845.7
15°	628.4	639.8	654.1	668.1	687.1	707.1	729.0	753.0	776.6	803.1	830.7
17.5°	586.1	598.6	614.4	630.6	650.5	674.0	695.5	721.7	748.3	779.2	811.6
20°	558.6	571.5	590.0	607.9	626.2	649.1	674.6	701.4	729.7	762.2	798.4
22.5°	536.8	545.9	564.3	582.5	603.9	627.4	652.2	680.2	711.1	744.8	782.7
25°	504.4	515.2	528.5	547.4	569.7	594.4	619.4	649.1	682.8	717.2	757.6
27.5°	475.8	484.6	497.7	512.6	534.7	560.3	587.0	618.0	652.5	687.5	730.1
30°	455.4	465.1	477.6	493.4	511.0	538.9	566.1	596.5	631.6	667.8	711.4
32.5°	437.7	447.6	458.5	473.3	492.3	517.1	545.2	575.0	610.7	648.0	690.5
35°	412.8	419.6	429.6	444.3	463.0	483.0	511.6	543.2	577.9	616.5	659.1
37.5°	384.4	393.1	403.1	415.8	432.2	453.8	480.5	512.4	544.6	581.6	620.5
40°	367.7	376.0	387.0	396.3	413.6	433.2	457.6	490.9	523.1	557.8	593.2
42.5°	350.8	358.7	368.2	379.8	395.2	414.3	437.0	468.0	502.5	535.2	565.0
45°	324.4	332.6	341.6	352.3	366.6	385.2	407.8	436.1	466.2	496.2	518.8
47.5°	299.1	306.8	315.3	326.3	339.5	357.5	377.7	402.7	431.9	457.4	473.5
50°	281.1	288.2	297.6	308.3	321.1	338.0	357.3	382.0	406.4	429.6	444.3
52.5°	263.3	271.4	280.6	289.9	302.3	319.1	337.0	358.3	381.4	400.4	412.6
55°	236.7	244.2	252.8	262.4	274.7	289.0	307.9	324.7	343.0	359.1	366.3
57.5°	210.9	217.5	225.6	235.6	246.7	260.0	274.9	291.2	304.1	315.5	323.6
60°	194.1	199.8	207.3	215.9	227.7	239.9	253.4	268.5	278.5	288.2	295.8
62.5°	176.9	182.3	189.5	197.3	207.6	219.0	232.1	244.2	253.9	260.4	269.1
65°	151.1	156.5	162.6	170.8	179.0	188.3	200.1	209.1	215.9	223.1	228.5
67.5°	127.1	131.6	137.3	143.8	150.7	159.7	168.8	176.3	181.0	185.2	191.7
70°	111.3	114.9	119.6	124.6	132.1	141.1	148.3	153.9	157.2	161.5	169.4
72.5°	95.3	99.4	103.9	108.9	114.9	122.4	128.8	134.5	136.6	140.0	145.0
75°	75.2	77.4	81.0	84.5	88.8	95.2	101.3	102.7	104.5	107.4	111.0
77.5°	56.8	58.8	60.2	62.6	66.0	71.2	74.4	76.5	77.0	78.0	81.5
80°	45.1	46.2	47.6	49.4	50.8	55.1	56.9	59.1	59.8	60.9	62.7
82.5°	33.1	34.1	35.1	36.5	38.8	40.5	42.3	44.5	44.6	45.4	45.7
85°	19.3	19.7	18.9	19.7	20.1	20.7	22.5	24.3	24.0	23.7	24.7
87.5°	10.6	10.4	9.6	10.3	9.2	9.3	9.0	8.8	8.9	9.0	9.4
90°	18.7	17.5	15.4	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1
92.5°	285.9	353.1	358.8	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4
95°	949.5	970.3	791.8	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1
97.5°	1201.5	1036.2	707.1	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0
100°	1262.7	988.9	630.8	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6
102.5°	1226.0	905.7	573.0	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1
105°	1108.3	794.0	516.9	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8
107.5°	988.4	717.1	493.2	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7
110°	919.9	681.2	486.3	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	869.1	660.2	486.3	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1
115°	813.7	637.4	489.6	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2
117.5°	780.6	626.2	496.8	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5
120°	762.2	620.9	503.8	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0
122.5°	746.5	616.6	509.9	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4
125°	725.0	611.1	520.2	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6
127.5°	705.3	608.5	531.8	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8
130°	692.2	606.7	538.9	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2
132.5°	681.6	606.7	546.7	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0
135°	669.2	606.7	557.4	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2
137.5°	658.0	608.0	567.3	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2
140°	652.7	608.9	571.7	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7
142.5°	648.4	609.8	574.3	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9
145°	641.8	608.9	577.2	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4
147.5°	635.0	606.1	578.2	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6
150°	629.7	603.4	578.2	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0
152.5°	623.6	599.9	577.4	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3
155°	613.3	593.6	575.0	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5
157.5°	603.7	587.0	572.1	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0
160°	595.8	582.7	569.5	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6
162.5°	588.8	577.4	566.8	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4
165°	578.2	569.5	562.9	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3
167.5°	568.0	561.8	556.8	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2
170°	561.8	557.4	554.2	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4
172.5°	555.7	552.2	550.6	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0
175°	547.6	546.5	546.5	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2
177.5°	544.1	543.2	543.2	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	876.5	879.1	882.8	887.1	890.5	894.3	896.3	896.3	898.0	901.7	906.5
5°	879.0	888.3	897.3	908.7	917.7	928.0	935.9	943.5	950.3	958.8	967.8
7.5°	878.3	893.7	909.8	927.9	947.8	963.7	979.9	992.7	1005.2	1021.7	1034.7
10°	875.4	895.5	917.3	940.2	965.3	987.1	1006.8	1024.7	1041.9	1059.8	1075.9
12.5°	870.2	895.8	922.5	950.0	981.7	1006.6	1032.0	1051.1	1071.1	1090.7	1110.6
15°	862.5	892.6	924.8	963.2	1001.8	1029.7	1054.8	1079.5	1098.2	1120.3	1139.3
17.5°	846.6	885.3	925.9	967.7	1004.8	1037.4	1063.6	1087.1	1106.9	1131.3	1157.2
20°	837.1	879.0	921.2	966.0	1001.5	1034.7	1060.2	1084.5	1109.2	1141.1	1172.6
22.5°	824.0	868.6	913.5	956.0	993.4	1025.6	1051.9	1081.7	1114.1	1150.3	1188.4
25°	803.1	849.3	893.7	934.2	970.6	1003.6	1039.4	1079.5	1118.9	1166.5	1221.3
27.5°	776.7	821.2	860.8	903.5	939.9	981.8	1026.4	1069.9	1126.7	1192.2	1260.7
30°	756.9	799.2	836.8	877.2	918.4	964.6	1014.7	1065.9	1133.6	1210.5	1291.8
32.5°	734.0	772.2	809.5	848.6	896.1	946.8	1000.1	1062.7	1143.6	1231.1	1315.3
35°	694.3	728.6	764.8	808.1	858.6	913.7	981.8	1058.0	1155.7	1249.9	1325.5
37.5°	652.6	679.7	716.0	761.7	816.7	880.5	957.7	1050.4	1150.8	1235.3	1267.4
40°	620.5	645.9	684.2	732.2	786.6	856.5	943.1	1038.3	1139.3	1198.0	1195.5
42.5°	588.7	614.4	651.3	699.6	756.3	834.4	923.6	1022.6	1107.8	1130.1	1083.5
45°	539.9	563.9	600.1	648.8	709.6	791.6	885.4	980.3	1034.7	998.6	906.3
47.5°	490.2	513.5	547.1	594.7	661.2	747.1	835.8	913.6	921.2	843.6	732.7
50°	457.6	479.4	511.3	562.1	626.6	710.4	796.0	857.1	838.2	743.3	629.1
52.5°	425.7	446.8	476.6	524.6	590.5	672.6	748.9	797.0	753.1	652.2	549.5
55°	378.8	398.9	429.0	473.0	532.7	607.9	675.0	692.5	628.0	526.3	443.3
57.5°	334.2	348.8	378.6	417.5	475.2	541.5	589.5	586.4	515.2	423.7	364.1
60°	304.7	317.9	346.2	382.0	436.8	496.2	529.9	515.6	443.7	368.1	310.8
62.5°	277.2	289.5	313.3	346.2	393.3	445.0	469.5	449.7	381.7	315.4	269.8
65°	235.6	244.6	263.5	294.0	330.8	366.6	388.5	359.5	299.4	249.2	214.8
67.5°	196.7	204.4	221.3	243.2	268.6	293.3	302.2	274.9	228.2	194.4	170.2
70°	171.5	178.7	190.1	210.6	227.3	244.9	249.2	224.9	185.9	160.0	145.0
72.5°	147.4	154.0	164.1	178.4	190.1	200.2	202.3	179.6	149.8	132.0	120.4
75°	112.4	118.2	124.6	130.0	137.5	139.3	138.6	121.0	104.9	93.1	86.6
77.5°	82.7	85.0	89.0	91.0	91.4	91.3	87.7	76.5	68.2	63.3	60.7
80°	63.7	65.5	66.6	67.3	67.7	64.1	60.1	53.3	50.5	47.6	44.4
82.5°	46.3	47.5	48.5	48.7	46.8	43.7	40.1	36.8	34.7	33.3	32.0
85°	25.1	25.4	25.1	23.3	20.7	19.7	18.9	18.3	17.9	17.5	17.5
87.5°	9.3	8.9	7.9	8.7	9.0	9.0	9.4	9.3	9.5	9.7	10.0
90°	2.2	4.3	6.6	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7
92.5°	16.2	25.4	39.0	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1
95°	37.2	46.0	58.1	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4
97.5°	61.4	67.5	79.6	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7
100°	78.9	83.2	95.3	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1
102.5°	96.4	99.9	112.8	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8
105°	123.8	129.2	140.2	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2
107.5°	154.0	159.2	168.2	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6
110°	174.2	178.5	188.4	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	194.3	197.7	207.6	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7
115°	223.4	226.7	236.6	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5
117.5°	250.8	254.3	264.2	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1
120°	268.3	272.7	282.6	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7
122.5°	285.9	289.4	299.2	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0
125°	308.9	314.3	324.1	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6
127.5°	328.1	335.2	347.6	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5
130°	339.5	348.3	362.5	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7
132.5°	349.1	359.7	375.7	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7
135°	363.6	376.7	394.3	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2
137.5°	380.5	392.8	410.3	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2
140°	391.0	404.2	421.7	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0
142.5°	402.4	414.6	432.2	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6
145°	420.6	431.5	446.9	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7
147.5°	438.9	448.4	462.6	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8
150°	451.2	458.9	473.2	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8
152.5°	462.6	469.4	481.9	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1
155°	477.5	484.1	495.0	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9
157.5°	491.7	497.0	506.4	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8
160°	500.5	504.9	512.6	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0
162.5°	508.4	512.7	519.5	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4
165°	519.2	522.5	527.9	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0
167.5°	528.1	530.1	533.1	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3
170°	533.4	534.4	536.7	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3
172.5°	536.0	537.1	539.2	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4
175°	539.9	541.0	542.2	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9
177.5°	542.3	542.3	543.2	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	910.3	910.3	915.2	914.8	918.0	916.9	917.5
5°	978.5	984.6	990.0	993.5	998.9	1000.4	999.7
7.5°	1049.3	1062.8	1069.4	1078.5	1080.1	1084.8	1084.3
10°	1093.1	1106.4	1116.3	1124.3	1128.2	1133.2	1133.6
12.5°	1127.5	1138.7	1147.6	1154.9	1159.7	1161.3	1162.2
15°	1154.3	1166.9	1177.2	1187.6	1193.7	1198.3	1200.9
17.5°	1181.4	1200.7	1219.1	1233.2	1241.6	1248.8	1248.7
20°	1202.3	1224.6	1247.5	1263.6	1280.0	1287.1	1288.3
22.5°	1224.6	1258.6	1288.1	1313.1	1334.7	1342.2	1344.9
25°	1271.0	1315.4	1360.9	1396.0	1421.1	1435.8	1437.9
27.5°	1327.1	1387.2	1435.0	1467.4	1488.3	1499.1	1501.5
30°	1366.7	1422.1	1465.1	1489.5	1499.1	1500.5	1495.2
32.5°	1384.4	1425.9	1443.0	1441.6	1422.7	1410.0	1405.2
35°	1362.7	1354.2	1312.2	1262.1	1223.8	1199.5	1193.0
37.5°	1240.1	1166.0	1088.9	1013.2	972.9	952.4	917.2
40°	1119.3	1013.6	933.4	869.7	824.3	787.7	779.1
42.5°	982.9	873.8	793.6	739.0	702.8	677.7	666.8
45°	789.9	696.1	629.8	587.9	560.0	541.7	533.5
47.5°	631.7	559.1	510.9	479.8	458.5	442.7	438.3
50°	545.0	486.9	446.1	420.0	403.9	391.7	386.7
52.5°	473.3	426.5	395.1	373.6	358.4	350.7	346.6
55°	390.6	350.2	327.6	310.4	301.8	295.8	292.8
57.5°	319.4	290.2	273.7	261.8	253.9	250.1	248.6
60°	279.7	256.7	241.7	232.3	227.0	222.0	220.6
62.5°	244.4	226.4	214.7	206.6	201.2	199.1	198.2
65°	196.9	185.1	176.5	171.5	167.2	166.5	166.2
67.5°	156.6	149.6	145.1	139.9	138.4	135.8	135.3
70°	133.9	129.2	123.9	122.1	120.3	117.8	118.2
72.5°	113.6	109.0	105.3	102.9	102.3	101.2	102.1
75°	83.0	81.6	80.2	78.4	77.7	77.7	77.4
77.5°	59.3	58.1	56.5	55.4	55.2	53.7	54.3
80°	43.0	41.2	40.4	40.8	39.8	39.4	39.4
82.5°	31.8	31.1	30.4	30.5	30.3	30.0	30.3
85°	17.5	17.2	17.2	16.9	16.9	16.5	16.5
87.5°	10.5	10.9	10.8	10.6	10.6	11.0	11.3
90°	20.8	21.9	24.1	24.1	24.1	25.2	25.2
92.5°	140.8	106.0	89.8	75.8	73.1	71.6	69.8
95°	620.9	486.3	394.3	316.5	283.6	274.9	257.4
97.5°	1056.0	924.8	796.8	729.2	667.9	636.1	622.1
100°	1293.5	1180.6	1066.7	991.2	912.3	871.8	854.2
102.5°	1438.9	1384.8	1307.7	1226.8	1170.7	1126.7	1113.6
105°	1521.3	1569.4	1557.4	1522.3	1486.2	1464.2	1451.1
107.5°	1447.8	1571.6	1628.8	1646.5	1646.3	1639.1	1630.3
110°	1364.6	1519.0	1612.1	1661.4	1682.2	1689.9	1689.9



TEST NUMBER: P333546-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1282.2	1438.4	1548.1	1620.2	1656.0	1675.0	1682.9
115°	1164.2	1314.2	1433.6	1519.0	1571.6	1602.2	1616.5
117.5°	1082.5	1211.7	1321.3	1406.7	1461.0	1491.5	1500.2
120°	1036.0	1156.5	1252.9	1334.0	1386.5	1416.1	1424.8
122.5°	1002.8	1110.1	1200.3	1272.6	1320.8	1350.4	1358.3
125°	958.3	1053.6	1132.5	1193.7	1238.7	1262.7	1273.8
127.5°	915.8	1004.8	1078.6	1134.2	1173.8	1196.7	1201.5
130°	886.0	971.5	1042.6	1097.4	1133.5	1155.5	1162.0
132.5°	858.0	935.5	1004.1	1058.9	1095.0	1115.1	1122.6
135°	814.8	885.0	947.3	995.5	1031.7	1051.4	1058.0
137.5°	776.3	834.5	887.6	930.7	963.6	981.8	988.9
140°	753.5	803.9	849.9	890.4	918.9	935.3	940.8
142.5°	734.2	777.6	817.5	851.9	875.9	891.5	896.1
145°	709.6	743.7	773.2	799.5	818.1	830.2	834.5
147.5°	689.3	715.4	737.7	758.6	773.5	780.4	782.4
150°	678.0	698.7	718.4	734.9	748.0	752.4	753.5
152.5°	666.6	685.6	701.0	714.7	725.2	729.6	730.8
155°	649.4	664.8	676.8	687.8	695.4	698.7	699.8
157.5°	633.2	645.1	654.5	663.0	669.4	672.4	672.2
160°	620.9	631.9	639.6	647.2	652.7	655.0	653.8
162.5°	610.5	619.6	626.4	632.4	637.0	637.4	637.2
165°	594.7	601.2	606.7	611.1	613.3	613.3	613.3
167.5°	579.4	584.4	588.3	590.5	592.5	591.6	591.4
170°	570.6	573.9	576.1	578.2	579.4	579.4	578.2
172.5°	562.7	565.1	566.5	566.8	568.8	567.1	566.0
175°	550.9	553.1	553.1	553.1	554.2	552.0	550.9
177.5°	545.8	545.8	545.8	545.0	545.8	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2

(END OF REPORT)