

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: P333546-930

Luminaire Tested: **S125RDIP-S610D1205U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333546-930
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-S610D1205U930-4F0-1E-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: 5481.0 lumens
Efficiency: N/A
Efficacy: 111.0 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

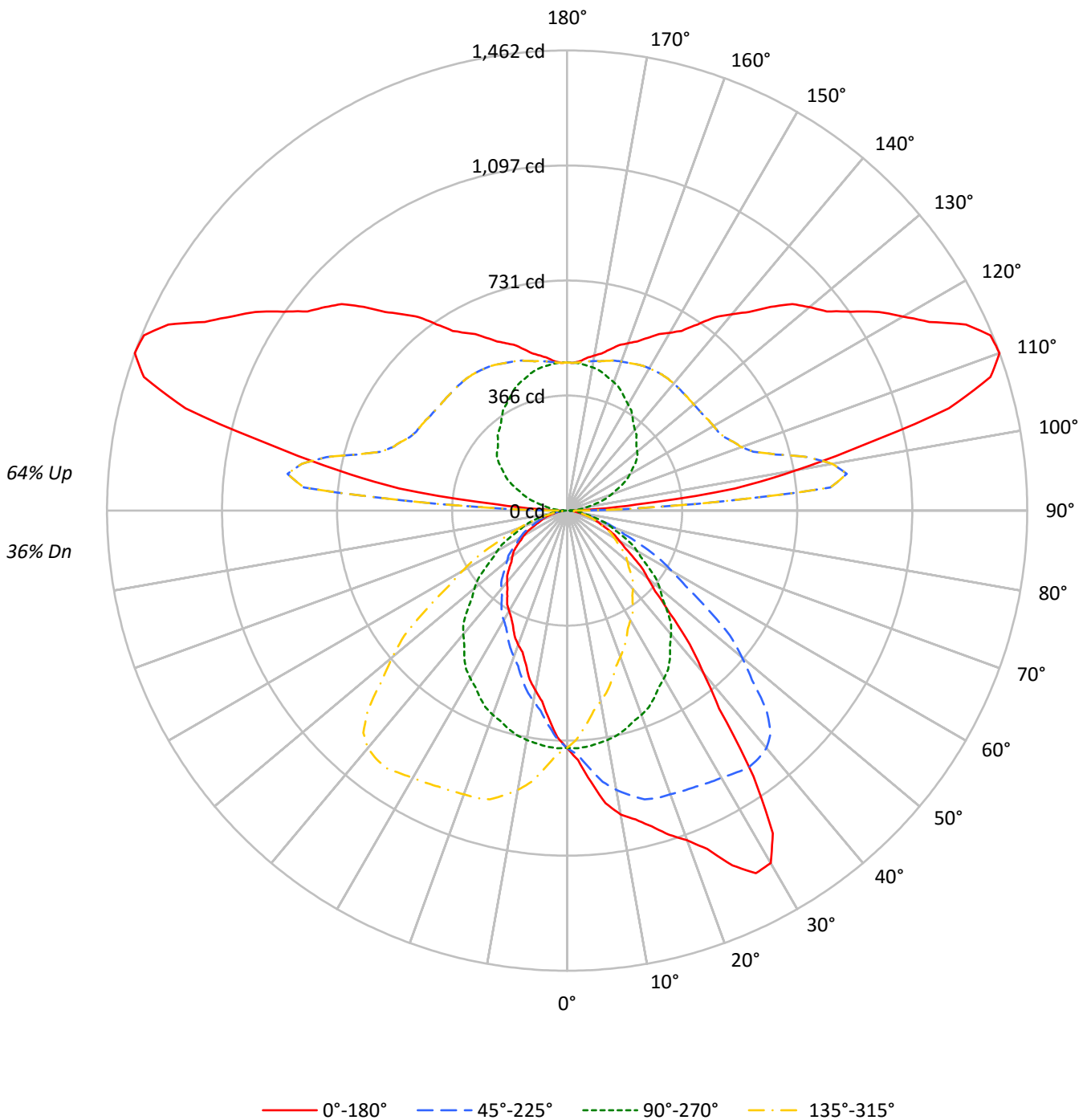
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4873	4873	4873	4873
5°	5606	4879	4309	4879
10°	6431	4854	3802	4854
15°	6946	4804	3380	4804
20°	7659	4746	3120	4746
25°	8863	4670	2895	4670
30°	9645	4589	2748	4589
35°	8136	4495	2613	4495
40°	5681	4326	2496	4326
45°	4215	4098	2382	4098
50°	3361	3861	2284	3861
55°	2852	3567	2197	3567
60°	2465	3304	2056	3304
65°	2196	3020	1771	3020
70°	1930	2766	1613	2766
75°	1669	2395	1515	2395
80°	1268	2016	1268	2016
85°	1060	1586	1193	1586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.3
10°-20°	212.0	3.9
20°-30°	336.2	6.1
30°-40°	405.4	7.4
40°-50°	362.0	6.6
50°-60°	277.6	5.1
60°-70°	180.4	3.3
70°-80°	87.7	1.6
80°-90°	23.6	0.4
90°-100°	340.6	6.2
100°-110°	732.2	13.4
110°-120°	687.1	12.5
120°-130°	556.9	10.2
130°-140°	446.9	8.2
140°-150°	337.2	6.2
150°-160°	237.4	4.3
160°-170°	139.9	2.6
170°-180°	45.5	0.8
0°-30°	620.5	11.3
0°-40°	1025.9	18.7
0°-60°	1665.6	30.4
0°-90°	1957.3	35.7
90°-120°	1759.9	32.1
90°-150°	3100.9	56.6
90°-180°	3524.0	64.3
0°-180°	5481.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	754	754	754	754	754	
5°	865	753	665	753	865	86
15°	1039	718	506	718	1039	298
25°	1244	655	406	655	1244	571
35°	1032	570	331	570	1032	623
45°	462	449	261	449	462	368
55°	253	317	195	317	253	230
65°	144	198	116	198	144	143
75°	67	96	61	96	67	71
85°	14	21	16	21	14	17
90°	22	1	22	1	22	16
95°	223	31	223	31	223	315
105°	1255	107	1255	107	1255	1248
115°	1398	191	1398	191	1398	1366
125°	1102	265	1102	265	1102	997
135°	915	311	915	311	915	709
145°	722	362	722	362	722	459
155°	605	413	605	413	605	282
165°	530	451	530	451	530	152
175°	476	469	476	469	476	46
180°	470	470	470	470	470	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	793.6	793.1	794.1	791.3	791.7	787.4	787.4	784.2	780.0	776.7	775.3
5°	864.7	865.4	864.1	859.4	856.3	851.7	846.4	837.1	829.4	822.0	816.1
7.5°	937.9	938.3	934.3	932.9	925.0	919.3	907.7	895.0	883.8	869.5	858.7
10°	980.6	980.2	975.9	972.5	965.6	957.0	945.5	930.7	916.7	901.2	886.4
12.5°	1005.3	1004.5	1003.1	999.0	992.7	985.0	975.3	960.7	943.5	926.5	909.2
15°	1038.8	1036.6	1032.6	1027.3	1018.3	1009.3	998.5	985.5	969.1	949.9	933.8
17.5°	1080.1	1080.2	1074.0	1066.7	1054.5	1038.6	1021.9	1000.9	978.6	957.5	940.4
20°	1114.4	1113.4	1107.2	1093.0	1079.0	1059.2	1040.0	1014.3	987.1	959.4	938.1
22.5°	1163.4	1161.0	1154.5	1135.8	1114.2	1088.7	1059.3	1027.9	995.0	963.7	935.6
25°	1243.8	1241.9	1229.2	1207.5	1177.2	1137.8	1099.4	1056.4	1009.0	967.8	933.8
27.5°	1298.8	1296.7	1287.4	1269.3	1241.3	1200.0	1147.9	1090.5	1031.3	974.6	925.4
30°	1293.3	1298.0	1296.7	1288.4	1267.3	1230.1	1182.2	1117.4	1047.1	980.6	922.0
32.5°	1215.5	1219.7	1230.6	1247.0	1248.2	1233.4	1197.5	1137.8	1064.9	989.2	919.2
35°	1031.9	1037.5	1058.6	1091.7	1135.1	1171.3	1178.8	1146.6	1081.2	999.7	915.2
37.5°	793.4	823.9	841.6	876.4	941.9	1008.6	1072.7	1096.3	1068.5	995.4	908.6
40°	673.9	681.3	713.0	752.3	807.4	876.8	968.2	1034.1	1036.2	985.5	898.1
42.5°	576.8	586.2	607.9	639.3	686.5	755.9	850.2	937.3	977.5	958.2	884.5
45°	461.5	468.6	484.4	508.5	544.8	602.1	683.2	783.9	863.8	895.0	848.0
47.5°	379.1	382.9	396.6	415.1	441.9	483.6	546.4	633.8	729.7	796.9	790.3
50°	334.5	338.8	349.4	363.3	385.9	421.2	471.4	544.1	642.9	725.0	741.4
52.5°	299.8	303.4	310.0	323.2	341.8	368.9	409.4	475.3	564.2	651.4	689.4
55°	253.3	255.8	261.1	268.5	283.4	302.9	337.9	383.4	455.3	543.2	599.0
57.5°	215.1	216.3	219.6	226.5	236.8	251.0	276.3	315.0	366.5	445.6	507.2
60°	190.8	192.0	196.3	201.0	209.0	222.1	241.9	268.8	318.4	383.8	446.0
62.5°	171.5	172.2	174.1	178.7	185.7	195.8	211.4	233.4	272.8	330.2	389.0
65°	143.7	144.0	144.6	148.4	152.7	160.1	170.3	185.8	215.6	258.9	311.0
67.5°	117.1	117.5	119.7	121.0	125.5	129.4	135.4	147.2	168.2	197.4	237.8
70°	102.2	101.9	104.0	105.6	107.1	111.8	115.9	125.4	138.4	160.8	194.5
72.5°	88.3	87.6	88.5	89.0	91.1	94.2	98.2	104.1	114.1	129.6	155.3
75°	66.9	67.2	67.2	67.8	69.4	70.6	71.8	74.9	80.6	90.7	104.7
77.5°	47.0	46.5	47.8	47.9	48.8	50.2	51.3	52.5	54.8	59.0	66.2
80°	34.1	34.1	34.4	35.3	35.0	35.6	37.2	38.4	41.2	43.7	46.1
82.5°	26.2	25.9	26.2	26.4	26.3	26.9	27.5	27.7	28.8	30.0	31.8
85°	14.3	14.3	14.6	14.6	14.8	14.8	15.2	15.2	15.2	15.5	15.8
87.5°	9.8	9.5	9.1	9.1	9.4	9.5	9.0	8.6	8.4	8.2	8.1
90°	21.8	21.8	20.9	20.9	20.9	18.9	18.0	17.0	16.1	15.2	13.3
92.5°	60.4	62.0	63.3	65.6	77.7	91.7	121.8	167.9	247.3	305.4	310.4
95°	222.7	237.8	245.3	273.8	341.0	420.6	537.1	681.1	821.3	839.4	684.9
97.5°	538.1	550.2	577.7	630.7	689.3	800.0	913.5	1014.4	1039.3	896.3	611.6
100°	738.9	754.1	789.1	857.4	922.7	1021.2	1118.8	1165.2	1092.3	855.4	545.7
102.5°	963.3	974.6	1012.7	1061.2	1131.1	1197.8	1244.6	1216.0	1060.5	783.4	495.6
105°	1255.2	1266.6	1285.6	1316.8	1347.1	1357.6	1315.9	1186.1	958.7	686.8	447.1
107.5°	1410.2	1417.8	1424.1	1424.2	1408.9	1359.4	1252.4	1079.2	854.9	620.3	426.6
110°	1461.8	1461.8	1455.1	1437.1	1394.5	1313.9	1180.4	1000.4	795.7	589.2	420.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1455.7	1448.9	1432.4	1401.5	1339.1	1244.2	1109.1	938.2	751.8	571.0	420.6
115°	1398.2	1385.9	1359.4	1313.9	1240.1	1136.8	1007.1	860.2	703.8	551.4	423.5
117.5°	1297.6	1290.1	1263.8	1216.8	1142.9	1048.1	936.4	809.8	675.2	541.7	429.7
120°	1232.5	1224.9	1199.3	1153.9	1083.8	1000.4	896.2	782.5	659.3	537.1	435.8
122.5°	1174.9	1168.1	1142.5	1100.8	1038.3	960.3	867.4	762.1	645.7	533.4	441.1
125°	1101.8	1092.3	1071.5	1032.6	979.6	911.3	828.9	732.3	627.1	528.6	450.0
127.5°	1039.3	1035.1	1015.4	981.0	932.9	869.1	792.1	702.0	610.1	526.4	460.0
130°	1005.1	999.5	980.5	949.3	901.9	840.3	766.4	683.1	598.8	524.8	466.1
132.5°	971.0	964.6	947.1	915.9	868.5	809.2	742.2	664.1	589.6	524.8	472.9
135°	915.2	909.5	892.4	861.1	819.5	765.5	704.8	639.4	578.9	524.8	482.2
137.5°	855.4	849.2	833.5	805.0	767.8	721.9	671.5	618.6	569.2	525.9	490.7
140°	813.8	809.0	794.8	770.2	735.2	695.4	651.8	607.2	564.6	526.7	494.5
142.5°	775.1	771.1	757.7	736.9	707.1	672.6	635.1	597.4	560.8	527.5	496.8
145°	721.9	718.1	707.7	691.5	668.8	643.3	613.8	584.5	555.1	526.7	499.3
147.5°	676.8	675.1	669.0	656.2	638.1	618.8	596.2	572.4	549.3	524.2	500.2
150°	651.8	650.9	647.0	635.7	621.4	604.4	586.4	565.6	544.7	522.0	500.2
152.5°	632.1	631.1	627.3	618.2	606.3	593.0	576.6	558.0	539.4	518.9	499.5
155°	605.4	604.4	601.5	594.9	585.5	575.0	561.7	546.6	530.5	513.5	497.3
157.5°	581.5	581.6	579.0	573.5	566.1	558.0	547.7	535.2	522.2	507.8	494.9
160°	565.6	566.6	564.6	559.9	553.3	546.6	537.1	527.7	515.4	504.0	492.6
162.5°	551.1	551.4	551.0	547.0	541.8	536.0	528.1	519.3	509.3	499.5	490.3
165°	530.5	530.5	530.5	528.6	524.8	520.1	514.4	507.8	500.2	492.6	486.9
167.5°	511.6	511.8	512.5	510.8	508.9	505.5	501.2	496.8	491.3	486.0	481.6
170°	500.2	501.2	501.2	500.2	498.3	496.4	493.6	490.7	486.0	482.2	479.4
172.5°	489.6	490.6	492.0	490.3	490.0	488.9	486.7	483.9	480.7	477.7	476.3
175°	476.5	477.4	479.4	478.4	478.4	478.4	476.5	476.5	473.7	472.7	472.7
177.5°	469.9	469.9	472.1	471.4	472.1	472.1	472.1	471.4	470.7	469.9	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	775.3	773.6	770.3	767.4	763.6	760.4	758.1	755.5	752.0	747.8	744.3
5°	809.6	802.7	793.8	786.0	776.2	768.4	760.3	752.6	744.9	734.9	726.3
7.5°	847.6	833.6	819.9	802.7	787.0	773.1	759.7	746.2	732.9	718.8	705.2
10°	870.9	853.9	834.9	813.3	793.4	774.6	757.2	740.2	722.3	706.5	689.4
12.5°	892.7	870.7	849.1	821.7	797.9	774.9	752.8	731.6	712.3	691.9	673.5
15°	912.4	890.7	866.6	833.2	800.0	772.1	746.1	718.5	694.7	671.7	651.3
17.5°	920.0	897.3	869.2	837.1	800.9	765.8	732.3	702.1	674.0	647.3	624.3
20°	917.0	895.0	866.3	835.6	796.9	760.3	724.1	690.6	659.3	631.2	606.7
22.5°	909.9	887.1	859.3	827.0	790.2	751.4	712.7	677.0	644.2	615.1	588.4
25°	899.1	868.1	839.6	808.0	773.1	734.7	694.7	655.3	620.4	590.6	561.5
27.5°	887.9	849.2	813.0	781.5	744.6	710.4	671.8	631.5	594.7	564.4	534.6
30°	877.8	834.4	794.4	758.8	723.8	691.3	654.7	615.4	577.6	546.3	516.0
32.5°	865.1	819.0	775.1	734.0	700.3	668.0	634.9	597.3	560.5	528.2	497.4
35°	849.2	790.4	742.7	699.0	661.5	630.2	600.5	570.1	533.3	499.9	469.9
37.5°	828.4	761.7	706.5	658.8	619.4	587.9	564.5	536.7	503.1	471.1	443.2
40°	815.8	740.9	680.4	633.3	591.8	558.7	536.7	513.1	482.5	452.5	424.6
42.5°	798.9	721.8	654.2	605.1	563.4	531.5	509.2	488.7	462.9	434.6	404.8
45°	765.9	684.8	613.8	561.2	519.1	487.8	467.0	448.7	429.3	403.2	377.2
47.5°	722.9	646.2	571.9	514.5	473.2	444.2	424.0	409.6	395.7	373.6	348.3
50°	688.5	614.5	542.0	486.2	442.3	414.7	395.8	384.3	371.6	351.6	330.4
52.5°	647.8	581.8	510.8	453.8	412.3	386.5	368.3	356.9	346.3	330.0	309.9
55°	583.8	525.9	460.8	409.1	371.0	345.0	327.7	316.8	310.6	296.7	280.9
57.5°	509.9	468.4	411.1	361.2	327.5	301.7	289.1	279.9	272.9	263.0	251.8
60°	458.4	429.3	377.8	330.4	299.5	275.0	263.6	255.8	249.3	240.9	232.3
62.5°	406.1	384.9	340.2	299.5	271.0	250.5	239.8	232.8	225.3	219.6	211.2
65°	336.1	317.2	286.2	254.3	228.0	211.6	203.8	197.6	193.0	186.8	180.8
67.5°	261.4	253.7	232.4	210.3	191.4	176.8	170.2	165.8	160.2	156.5	152.5
70°	215.6	211.8	196.7	182.1	164.4	154.6	148.4	146.5	139.7	136.0	133.1
72.5°	175.0	173.2	164.4	154.3	141.9	133.2	127.5	125.4	121.1	118.1	116.3
75°	119.8	120.5	119.0	112.4	107.8	102.2	97.3	96.0	92.9	90.4	88.9
77.5°	75.8	79.0	79.1	78.8	77.0	73.5	71.5	70.5	67.5	66.6	66.2
80°	52.0	55.4	58.5	58.2	57.6	56.7	55.1	54.2	52.7	51.7	51.1
82.5°	34.7	37.8	40.4	42.2	42.0	41.1	40.0	39.5	39.3	38.6	38.5
85°	16.4	17.0	17.9	20.1	21.7	22.0	21.7	21.4	20.5	20.8	21.0
87.5°	8.2	7.7	7.8	7.5	6.8	7.7	8.1	8.2	7.8	7.7	7.6
90°	12.3	10.4	9.5	7.6	5.7	3.8	1.9	1.0	1.9	3.8	5.7
92.5°	216.2	129.4	77.7	50.1	33.8	22.0	14.0	11.6	14.0	22.0	33.8
95°	423.5	215.1	113.7	71.0	50.2	39.8	32.2	31.2	32.2	39.8	50.2
97.5°	338.0	185.3	118.2	87.6	68.8	58.4	53.1	51.9	53.1	58.4	68.8
100°	307.0	183.8	128.8	100.4	82.4	72.0	68.2	66.3	68.2	72.0	82.4
102.5°	294.1	190.6	141.7	114.1	97.6	86.4	83.4	82.3	83.4	86.4	97.6
105°	288.9	204.6	163.0	136.4	121.2	111.8	107.0	107.0	107.0	111.8	121.2
107.5°	297.7	225.4	185.1	161.3	145.5	137.7	133.2	131.3	133.2	137.7	145.5
110°	306.0	240.6	201.8	177.2	163.0	154.4	150.7	148.7	150.7	154.4	163.0



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.6	255.0	217.7	193.8	179.6	171.0	168.0	166.2	168.0	171.0	179.6
115°	332.5	277.6	242.6	218.8	204.6	196.1	193.2	191.4	193.2	196.1	204.6
117.5°	350.7	300.7	267.5	244.6	228.5	220.0	217.0	214.1	217.0	220.0	228.5
120°	362.8	317.4	284.2	260.5	244.4	235.9	232.1	229.3	232.1	235.9	244.4
122.5°	376.5	333.3	300.1	276.5	258.8	250.3	247.3	245.2	247.3	250.3	258.8
125°	395.0	354.3	323.0	298.4	280.4	271.9	267.2	265.2	267.2	271.9	280.4
127.5°	412.1	374.5	344.5	319.8	300.7	289.9	283.8	281.0	283.8	289.9	300.7
130°	423.5	387.4	358.1	333.5	313.6	301.3	293.7	290.8	293.7	301.3	313.6
132.5°	433.3	399.6	370.2	345.6	325.0	311.1	302.0	298.4	302.0	311.1	325.0
135°	447.1	415.9	386.5	360.9	341.0	325.9	314.5	310.7	314.5	325.9	341.0
137.5°	457.4	427.5	400.7	374.4	354.9	339.7	329.1	326.3	329.1	339.7	354.9
140°	464.2	435.8	408.3	382.7	364.8	349.6	338.2	335.3	338.2	349.6	364.8
142.5°	468.0	441.1	415.2	391.1	373.8	358.7	348.1	345.9	348.1	358.7	373.8
145°	473.7	450.0	425.3	403.6	386.5	373.2	363.8	361.9	363.8	373.2	386.5
147.5°	477.1	455.7	434.1	414.9	400.1	387.8	379.7	378.5	379.7	387.8	400.1
150°	479.4	459.4	438.6	422.5	409.3	397.0	390.3	388.4	390.3	397.0	409.3
152.5°	480.9	463.3	443.9	429.3	416.9	406.0	400.1	399.0	400.1	406.0	416.9
155°	482.2	467.0	450.9	437.7	428.2	418.7	413.0	413.0	413.0	418.7	428.2
157.5°	483.1	470.3	456.4	446.4	438.1	429.9	425.3	425.6	425.3	429.9	438.1
160°	483.1	471.8	459.4	450.9	443.4	436.8	432.9	433.9	432.9	436.8	443.4
162.5°	482.4	473.3	462.5	455.5	449.4	443.5	439.8	440.7	439.8	443.5	449.4
165°	481.3	473.7	466.1	460.4	456.6	451.9	449.1	450.9	449.1	451.9	456.6
167.5°	479.0	473.7	467.4	463.8	461.1	458.5	456.8	457.8	456.8	458.5	461.1
170°	477.4	473.7	469.0	466.1	464.2	462.3	461.4	462.3	461.4	462.3	464.2
172.5°	476.0	472.9	469.0	467.6	466.4	464.6	463.7	465.4	463.7	464.6	466.4
175°	473.7	471.8	469.0	469.0	469.0	468.0	467.0	469.0	467.0	468.0	469.0
177.5°	471.4	470.7	469.1	469.1	469.9	469.1	469.1	470.7	469.1	469.1	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	741.8	738.3	735.9	730.9	727.4	725.9	723.3	722.5	725.2	723.3	723.0
5°	719.7	710.8	703.7	696.5	688.8	683.9	676.4	675.1	673.3	670.5	669.9
7.5°	693.3	681.6	672.5	660.6	650.4	642.2	632.9	628.5	626.1	622.5	617.7
10°	675.5	661.5	649.1	637.4	624.7	614.5	605.2	598.0	593.4	589.1	587.2
12.5°	657.9	643.7	627.9	613.6	599.4	587.9	577.6	573.0	567.9	562.8	558.5
15°	630.6	611.6	594.4	577.9	565.8	553.4	543.6	536.7	529.0	526.8	518.4
17.5°	601.6	583.0	562.7	545.4	531.5	517.8	507.0	499.2	493.3	485.3	481.5
20°	583.5	561.5	541.7	525.9	510.4	494.3	483.1	476.6	471.1	464.6	461.5
22.5°	564.2	542.7	522.4	503.9	488.1	472.2	464.3	457.5	451.3	445.2	441.2
25°	535.8	514.1	492.8	473.5	457.1	445.6	436.3	428.6	425.3	419.3	415.0
27.5°	507.8	484.7	462.5	443.4	430.5	419.1	411.6	405.4	399.3	394.1	390.4
30°	489.7	466.1	442.0	426.8	413.1	402.4	394.0	388.1	383.4	378.8	376.0
32.5°	471.6	447.3	425.8	409.4	396.6	387.2	378.6	372.9	368.0	362.9	359.6
35°	442.5	417.8	400.5	384.3	371.6	363.0	357.1	349.0	345.0	341.3	337.9
37.5°	415.6	392.6	373.8	359.7	348.7	340.1	332.5	328.1	323.2	319.8	317.0
40°	395.8	374.7	357.8	342.8	334.8	325.2	318.0	312.5	308.8	304.4	301.3
42.5°	378.0	358.4	341.9	328.5	318.5	310.3	303.5	297.9	293.2	290.1	287.5
45°	352.8	333.2	317.2	304.8	295.5	287.7	280.6	277.8	271.6	267.9	266.7
47.5°	326.7	309.2	293.7	282.3	272.7	265.4	258.7	253.1	249.6	246.0	244.0
50°	309.1	292.4	277.8	266.7	257.4	249.3	243.1	239.4	234.7	231.4	228.9
52.5°	291.5	276.0	261.5	250.8	242.7	234.7	227.8	224.0	219.6	217.4	215.7
55°	266.4	250.0	237.6	227.0	218.7	211.2	204.7	201.0	198.2	196.1	195.4
57.5°	237.8	224.9	213.4	203.8	195.2	188.2	182.5	179.0	176.5	176.2	174.3
60°	219.2	207.5	197.0	186.8	179.3	172.8	167.9	163.9	161.3	161.0	160.5
62.5°	200.7	189.4	179.6	170.6	164.0	157.7	153.0	148.5	147.0	145.4	144.1
65°	173.1	162.9	154.8	147.7	140.6	135.3	130.7	127.9	124.5	122.6	119.3
67.5°	146.0	138.1	130.4	124.4	118.8	113.8	110.0	105.8	103.5	102.0	99.5
70°	128.2	122.1	114.3	107.8	103.5	99.4	96.3	91.6	90.1	88.9	87.6
72.5°	111.4	105.9	99.4	94.2	89.8	86.0	82.4	80.3	78.8	77.5	76.7
75°	87.6	82.3	76.8	73.1	70.0	66.9	65.1	63.5	62.9	62.5	61.3
77.5°	64.3	61.6	57.1	54.1	52.1	50.9	49.2	48.3	48.3	47.0	46.6
80°	49.2	47.7	43.9	42.7	41.2	39.9	39.1	37.5	36.0	35.3	34.4
82.5°	36.6	35.1	33.6	31.6	30.3	29.5	28.6	28.0	28.2	27.4	26.9
85°	19.5	17.9	17.4	17.0	16.4	17.0	16.7	16.4	16.1	15.8	16.1
87.5°	7.7	8.1	8.0	8.9	8.3	9.0	9.1	9.1	9.3	9.5	9.6
90°	7.6	9.5	10.4	12.3	13.3	15.2	16.1	17.0	18.0	18.9	20.9
92.5°	50.1	77.7	129.4	216.2	310.4	305.4	247.3	167.9	121.8	91.7	77.7
95°	71.0	113.7	215.1	423.5	684.9	839.4	821.3	681.1	537.1	420.6	341.0
97.5°	87.6	118.2	185.3	338.0	611.6	896.3	1039.3	1014.4	913.5	800.0	689.3
100°	100.4	128.8	183.8	307.0	545.7	855.4	1092.3	1165.2	1118.8	1021.2	922.7
102.5°	114.1	141.7	190.6	294.1	495.6	783.4	1060.5	1216.0	1244.6	1197.8	1131.1
105°	136.4	163.0	204.6	288.9	447.1	686.8	958.7	1186.1	1315.9	1357.6	1347.1
107.5°	161.3	185.1	225.4	297.7	426.6	620.3	854.9	1079.2	1252.4	1359.4	1408.9
110°	177.2	201.8	240.6	306.0	420.6	589.2	795.7	1000.4	1180.4	1313.9	1394.5



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.8	217.7	255.0	316.6	420.6	571.0	751.8	938.2	1109.1	1244.2	1339.1
115°	218.8	242.6	277.6	332.5	423.5	551.4	703.8	860.2	1007.1	1136.8	1240.1
117.5°	244.6	267.5	300.7	350.7	429.7	541.7	675.2	809.8	936.4	1048.1	1142.9
120°	260.5	284.2	317.4	362.8	435.8	537.1	659.3	782.5	896.2	1000.4	1083.8
122.5°	276.5	300.1	333.3	376.5	441.1	533.4	645.7	762.1	867.4	960.3	1038.3
125°	298.4	323.0	354.3	395.0	450.0	528.6	627.1	732.3	828.9	911.3	979.6
127.5°	319.8	344.5	374.5	412.1	460.0	526.4	610.1	702.0	792.1	869.1	932.9
130°	333.5	358.1	387.4	423.5	466.1	524.8	598.8	683.1	766.4	840.3	901.9
132.5°	345.6	370.2	399.6	433.3	472.9	524.8	589.6	664.1	742.2	809.2	868.5
135°	360.9	386.5	415.9	447.1	482.2	524.8	578.9	639.4	704.8	765.5	819.5
137.5°	374.4	400.7	427.5	457.4	490.7	525.9	569.2	618.6	671.5	721.9	767.8
140°	382.7	408.3	435.8	464.2	494.5	526.7	564.6	607.2	651.8	695.4	735.2
142.5°	391.1	415.2	441.1	468.0	496.8	527.5	560.8	597.4	635.1	672.6	707.1
145°	403.6	425.3	450.0	473.7	499.3	526.7	555.1	584.5	613.8	643.3	668.8
147.5°	414.9	434.1	455.7	477.1	500.2	524.2	549.3	572.4	596.2	618.8	638.1
150°	422.5	438.6	459.4	479.4	500.2	522.0	544.7	565.6	586.4	604.4	621.4
152.5°	429.3	443.9	463.3	480.9	499.5	518.9	539.4	558.0	576.6	593.0	606.3
155°	437.7	450.9	467.0	482.2	497.3	513.5	530.5	546.6	561.7	575.0	585.5
157.5°	446.4	456.4	470.3	483.1	494.9	507.8	522.2	535.2	547.7	558.0	566.1
160°	450.9	459.4	471.8	483.1	492.6	504.0	515.4	527.7	537.1	546.6	553.3
162.5°	455.5	462.5	473.3	482.4	490.3	499.5	509.3	519.3	528.1	536.0	541.8
165°	460.4	466.1	473.7	481.3	486.9	492.6	500.2	507.8	514.4	520.1	524.8
167.5°	463.8	467.4	473.7	479.0	481.6	486.0	491.3	496.8	501.2	505.5	508.9
170°	466.1	469.0	473.7	477.4	479.4	482.2	486.0	490.7	493.6	496.4	498.3
172.5°	467.6	469.0	472.9	476.0	476.3	477.7	480.7	483.9	486.7	488.9	490.0
175°	469.0	469.0	471.8	473.7	472.7	472.7	473.7	476.5	476.5	478.4	478.4
177.5°	469.1	469.1	470.7	471.4	469.9	469.9	470.7	471.4	472.1	472.1	472.1
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	722.8	720.0	719.3	720.2	719.3	720.0	722.8	723.0	723.3	725.2	722.5
5°	666.8	663.7	665.3	664.6	665.3	663.7	666.8	669.9	670.5	673.3	675.1
7.5°	617.6	613.8	609.7	611.0	609.7	613.8	617.6	617.7	622.5	626.1	628.5
10°	583.2	580.1	578.2	579.8	578.2	580.1	583.2	587.2	589.1	593.4	598.0
12.5°	554.2	552.4	550.7	550.1	550.7	552.4	554.2	558.5	562.8	567.9	573.0
15°	514.7	511.0	509.5	505.5	509.5	511.0	514.7	518.4	526.8	529.0	536.7
17.5°	478.3	477.1	473.1	471.4	473.1	477.1	478.3	481.5	485.3	493.3	499.2
20°	456.8	455.6	451.6	454.0	451.6	455.6	456.8	461.5	464.6	471.1	476.6
22.5°	439.0	436.3	435.0	434.2	435.0	436.3	439.0	441.2	445.2	451.3	457.5
25°	413.8	409.8	408.2	406.3	408.2	409.8	413.8	415.0	419.3	425.3	428.6
27.5°	388.7	386.5	384.4	383.9	384.4	386.5	388.7	390.4	394.1	399.3	405.4
30°	372.3	370.1	368.5	368.5	368.5	370.1	372.3	376.0	378.8	383.4	388.1
32.5°	357.7	356.0	354.4	354.2	354.4	356.0	357.7	359.6	362.9	368.0	372.9
35°	336.3	333.9	333.2	331.4	333.2	333.9	336.3	337.9	341.3	345.0	349.0
37.5°	314.2	312.2	312.1	311.9	312.1	312.2	314.2	317.0	319.8	323.2	328.1
40°	300.1	298.6	298.2	296.1	298.2	298.6	300.1	301.3	304.4	308.8	312.5
42.5°	285.0	284.2	283.2	282.2	283.2	284.2	285.0	287.5	290.1	293.2	297.9
45°	264.5	262.4	262.4	260.8	262.4	262.4	264.5	266.7	267.9	271.6	277.8
47.5°	243.3	241.7	241.8	240.2	241.8	241.7	243.3	244.0	246.0	249.6	253.1
50°	229.2	228.3	228.0	227.3	228.0	228.3	229.2	228.9	231.4	234.7	239.4
52.5°	215.1	214.7	215.8	214.4	215.8	214.7	215.1	215.7	217.4	219.6	224.0
55°	196.1	195.1	197.0	195.1	197.0	195.1	196.1	195.4	196.1	198.2	201.0
57.5°	174.1	173.3	175.0	174.1	175.0	173.3	174.1	174.3	176.2	176.5	179.0
60°	159.8	157.9	158.9	159.2	158.9	157.9	159.8	160.5	161.0	161.3	163.9
62.5°	142.7	141.6	142.3	140.9	142.3	141.6	142.7	144.1	145.4	147.0	148.5
65°	118.6	117.7	116.4	115.9	116.4	117.7	118.6	119.3	122.6	124.5	127.9
67.5°	99.6	97.4	97.3	97.8	97.3	97.4	99.6	99.5	102.0	103.5	105.8
70°	85.8	85.8	85.4	85.4	85.4	85.8	85.8	87.6	88.9	90.1	91.6
72.5°	76.1	75.9	75.3	75.1	75.3	75.9	76.1	76.7	77.5	78.8	80.3
75°	61.3	61.6	61.0	60.7	61.0	61.6	61.3	61.3	62.5	62.9	63.5
77.5°	45.2	43.9	44.7	43.9	44.7	43.9	45.2	46.6	47.0	48.3	48.3
80°	34.4	34.1	35.0	34.1	35.0	34.1	34.4	34.4	35.3	36.0	37.5
82.5°	27.2	26.9	27.3	26.7	27.3	26.9	27.2	26.9	27.4	28.2	28.0
85°	16.4	16.1	15.8	16.1	15.8	16.1	16.4	16.1	15.8	16.1	16.4
87.5°	9.9	9.6	9.8	9.8	9.8	9.6	9.9	9.6	9.5	9.3	9.1
90°	20.9	20.9	21.8	21.8	21.8	20.9	20.9	20.9	18.9	18.0	17.0
92.5°	65.6	63.3	62.0	60.4	62.0	63.3	65.6	77.7	91.7	121.8	167.9
95°	273.8	245.3	237.8	222.7	237.8	245.3	273.8	341.0	420.6	537.1	681.1
97.5°	630.7	577.7	550.2	538.1	550.2	577.7	630.7	689.3	800.0	913.5	1014.4
100°	857.4	789.1	754.1	738.9	754.1	789.1	857.4	922.7	1021.2	1118.8	1165.2
102.5°	1061.2	1012.7	974.6	963.3	974.6	1012.7	1061.2	1131.1	1197.8	1244.6	1216.0
105°	1316.8	1285.6	1266.6	1255.2	1266.6	1285.6	1316.8	1347.1	1357.6	1315.9	1186.1
107.5°	1424.2	1424.1	1417.8	1410.2	1417.8	1424.1	1424.2	1408.9	1359.4	1252.4	1079.2
110°	1437.1	1455.1	1461.8	1461.8	1461.8	1455.1	1437.1	1394.5	1313.9	1180.4	1000.4



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1401.5	1432.4	1448.9	1455.7	1448.9	1432.4	1401.5	1339.1	1244.2	1109.1	938.2
115°	1313.9	1359.4	1385.9	1398.2	1385.9	1359.4	1313.9	1240.1	1136.8	1007.1	860.2
117.5°	1216.8	1263.8	1290.1	1297.6	1290.1	1263.8	1216.8	1142.9	1048.1	936.4	809.8
120°	1153.9	1199.3	1224.9	1232.5	1224.9	1199.3	1153.9	1083.8	1000.4	896.2	782.5
122.5°	1100.8	1142.5	1168.1	1174.9	1168.1	1142.5	1100.8	1038.3	960.3	867.4	762.1
125°	1032.6	1071.5	1092.3	1101.8	1092.3	1071.5	1032.6	979.6	911.3	828.9	732.3
127.5°	981.0	1015.4	1035.1	1039.3	1035.1	1015.4	981.0	932.9	869.1	792.1	702.0
130°	949.3	980.5	999.5	1005.1	999.5	980.5	949.3	901.9	840.3	766.4	683.1
132.5°	915.9	947.1	964.6	971.0	964.6	947.1	915.9	868.5	809.2	742.2	664.1
135°	861.1	892.4	909.5	915.2	909.5	892.4	861.1	819.5	765.5	704.8	639.4
137.5°	805.0	833.5	849.2	855.4	849.2	833.5	805.0	767.8	721.9	671.5	618.6
140°	770.2	794.8	809.0	813.8	809.0	794.8	770.2	735.2	695.4	651.8	607.2
142.5°	736.9	757.7	771.1	775.1	771.1	757.7	736.9	707.1	672.6	635.1	597.4
145°	691.5	707.7	718.1	721.9	718.1	707.7	691.5	668.8	643.3	613.8	584.5
147.5°	656.2	669.0	675.1	676.8	675.1	669.0	656.2	638.1	618.8	596.2	572.4
150°	635.7	647.0	650.9	651.8	650.9	647.0	635.7	621.4	604.4	586.4	565.6
152.5°	618.2	627.3	631.1	632.1	631.1	627.3	618.2	606.3	593.0	576.6	558.0
155°	594.9	601.5	604.4	605.4	604.4	601.5	594.9	585.5	575.0	561.7	546.6
157.5°	573.5	579.0	581.6	581.5	581.6	579.0	573.5	566.1	558.0	547.7	535.2
160°	559.9	564.6	566.6	565.6	566.6	564.6	559.9	553.3	546.6	537.1	527.7
162.5°	547.0	551.0	551.4	551.1	551.4	551.0	547.0	541.8	536.0	528.1	519.3
165°	528.6	530.5	530.5	530.5	530.5	530.5	528.6	524.8	520.1	514.4	507.8
167.5°	510.8	512.5	511.8	511.6	511.8	512.5	510.8	508.9	505.5	501.2	496.8
170°	500.2	501.2	501.2	500.2	501.2	501.2	500.2	498.3	496.4	493.6	490.7
172.5°	490.3	492.0	490.6	489.6	490.6	492.0	490.3	490.0	488.9	486.7	483.9
175°	478.4	479.4	477.4	476.5	477.4	479.4	478.4	478.4	478.4	476.5	476.5
177.5°	471.4	472.1	469.9	469.9	469.9	472.1	471.4	472.1	472.1	472.1	471.4
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	723.3	725.9	727.4	730.9	735.9	738.3	741.8	744.3	747.8	752.0	755.5
5°	676.4	683.9	688.8	696.5	703.7	710.8	719.7	726.3	734.9	744.9	752.6
7.5°	632.9	642.2	650.4	660.6	672.5	681.6	693.3	705.2	718.8	732.9	746.2
10°	605.2	614.5	624.7	637.4	649.1	661.5	675.5	689.4	706.5	722.3	740.2
12.5°	577.6	587.9	599.4	613.6	627.9	643.7	657.9	673.5	691.9	712.3	731.6
15°	543.6	553.4	565.8	577.9	594.4	611.6	630.6	651.3	671.7	694.7	718.5
17.5°	507.0	517.8	531.5	545.4	562.7	583.0	601.6	624.3	647.3	674.0	702.1
20°	483.1	494.3	510.4	525.9	541.7	561.5	583.5	606.7	631.2	659.3	690.6
22.5°	464.3	472.2	488.1	503.9	522.4	542.7	564.2	588.4	615.1	644.2	677.0
25°	436.3	445.6	457.1	473.5	492.8	514.1	535.8	561.5	590.6	620.4	655.3
27.5°	411.6	419.1	430.5	443.4	462.5	484.7	507.8	534.6	564.4	594.7	631.5
30°	394.0	402.4	413.1	426.8	442.0	466.1	489.7	516.0	546.3	577.6	615.4
32.5°	378.6	387.2	396.6	409.4	425.8	447.3	471.6	497.4	528.2	560.5	597.3
35°	357.1	363.0	371.6	384.3	400.5	417.8	442.5	469.9	499.9	533.3	570.1
37.5°	332.5	340.1	348.7	359.7	373.8	392.6	415.6	443.2	471.1	503.1	536.7
40°	318.0	325.2	334.8	342.8	357.8	374.7	395.8	424.6	452.5	482.5	513.1
42.5°	303.5	310.3	318.5	328.5	341.9	358.4	378.0	404.8	434.6	462.9	488.7
45°	280.6	287.7	295.5	304.8	317.2	333.2	352.8	377.2	403.2	429.3	448.7
47.5°	258.7	265.4	272.7	282.3	293.7	309.2	326.7	348.3	373.6	395.7	409.6
50°	243.1	249.3	257.4	266.7	277.8	292.4	309.1	330.4	351.6	371.6	384.3
52.5°	227.8	234.7	242.7	250.8	261.5	276.0	291.5	309.9	330.0	346.3	356.9
55°	204.7	211.2	218.7	227.0	237.6	250.0	266.4	280.9	296.7	310.6	316.8
57.5°	182.5	188.2	195.2	203.8	213.4	224.9	237.8	251.8	263.0	272.9	279.9
60°	167.9	172.8	179.3	186.8	197.0	207.5	219.2	232.3	240.9	249.3	255.8
62.5°	153.0	157.7	164.0	170.6	179.6	189.4	200.7	211.2	219.6	225.3	232.8
65°	130.7	135.3	140.6	147.7	154.8	162.9	173.1	180.8	186.8	193.0	197.6
67.5°	110.0	113.8	118.8	124.4	130.4	138.1	146.0	152.5	156.5	160.2	165.8
70°	96.3	99.4	103.5	107.8	114.3	122.1	128.2	133.1	136.0	139.7	146.5
72.5°	82.4	86.0	89.8	94.2	99.4	105.9	111.4	116.3	118.1	121.1	125.4
75°	65.1	66.9	70.0	73.1	76.8	82.3	87.6	88.9	90.4	92.9	96.0
77.5°	49.2	50.9	52.1	54.1	57.1	61.6	64.3	66.2	66.6	67.5	70.5
80°	39.1	39.9	41.2	42.7	43.9	47.7	49.2	51.1	51.7	52.7	54.2
82.5°	28.6	29.5	30.3	31.6	33.6	35.1	36.6	38.5	38.6	39.3	39.5
85°	16.7	17.0	16.4	17.0	17.4	17.9	19.5	21.0	20.8	20.5	21.4
87.5°	9.1	9.0	8.3	8.9	8.0	8.1	7.7	7.6	7.7	7.8	8.2
90°	16.1	15.2	13.3	12.3	10.4	9.5	7.6	5.7	3.8	1.9	1.0
92.5°	247.3	305.4	310.4	216.2	129.4	77.7	50.1	33.8	22.0	14.0	11.6
95°	821.3	839.4	684.9	423.5	215.1	113.7	71.0	50.2	39.8	32.2	31.2
97.5°	1039.3	896.3	611.6	338.0	185.3	118.2	87.6	68.8	58.4	53.1	51.9
100°	1092.3	855.4	545.7	307.0	183.8	128.8	100.4	82.4	72.0	68.2	66.3
102.5°	1060.5	783.4	495.6	294.1	190.6	141.7	114.1	97.6	86.4	83.4	82.3
105°	958.7	686.8	447.1	288.9	204.6	163.0	136.4	121.2	111.8	107.0	107.0
107.5°	854.9	620.3	426.6	297.7	225.4	185.1	161.3	145.5	137.7	133.2	131.3
110°	795.7	589.2	420.6	306.0	240.6	201.8	177.2	163.0	154.4	150.7	148.7



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	751.8	571.0	420.6	316.6	255.0	217.7	193.8	179.6	171.0	168.0	166.2
115°	703.8	551.4	423.5	332.5	277.6	242.6	218.8	204.6	196.1	193.2	191.4
117.5°	675.2	541.7	429.7	350.7	300.7	267.5	244.6	228.5	220.0	217.0	214.1
120°	659.3	537.1	435.8	362.8	317.4	284.2	260.5	244.4	235.9	232.1	229.3
122.5°	645.7	533.4	441.1	376.5	333.3	300.1	276.5	258.8	250.3	247.3	245.2
125°	627.1	528.6	450.0	395.0	354.3	323.0	298.4	280.4	271.9	267.2	265.2
127.5°	610.1	526.4	460.0	412.1	374.5	344.5	319.8	300.7	289.9	283.8	281.0
130°	598.8	524.8	466.1	423.5	387.4	358.1	333.5	313.6	301.3	293.7	290.8
132.5°	589.6	524.8	472.9	433.3	399.6	370.2	345.6	325.0	311.1	302.0	298.4
135°	578.9	524.8	482.2	447.1	415.9	386.5	360.9	341.0	325.9	314.5	310.7
137.5°	569.2	525.9	490.7	457.4	427.5	400.7	374.4	354.9	339.7	329.1	326.3
140°	564.6	526.7	494.5	464.2	435.8	408.3	382.7	364.8	349.6	338.2	335.3
142.5°	560.8	527.5	496.8	468.0	441.1	415.2	391.1	373.8	358.7	348.1	345.9
145°	555.1	526.7	499.3	473.7	450.0	425.3	403.6	386.5	373.2	363.8	361.9
147.5°	549.3	524.2	500.2	477.1	455.7	434.1	414.9	400.1	387.8	379.7	378.5
150°	544.7	522.0	500.2	479.4	459.4	438.6	422.5	409.3	397.0	390.3	388.4
152.5°	539.4	518.9	499.5	480.9	463.3	443.9	429.3	416.9	406.0	400.1	399.0
155°	530.5	513.5	497.3	482.2	467.0	450.9	437.7	428.2	418.7	413.0	413.0
157.5°	522.2	507.8	494.9	483.1	470.3	456.4	446.4	438.1	429.9	425.3	425.6
160°	515.4	504.0	492.6	483.1	471.8	459.4	450.9	443.4	436.8	432.9	433.9
162.5°	509.3	499.5	490.3	482.4	473.3	462.5	455.5	449.4	443.5	439.8	440.7
165°	500.2	492.6	486.9	481.3	473.7	466.1	460.4	456.6	451.9	449.1	450.9
167.5°	491.3	486.0	481.6	479.0	473.7	467.4	463.8	461.1	458.5	456.8	457.8
170°	486.0	482.2	479.4	477.4	473.7	469.0	466.1	464.2	462.3	461.4	462.3
172.5°	480.7	477.7	476.3	476.0	472.9	469.0	467.6	466.4	464.6	463.7	465.4
175°	473.7	472.7	472.7	473.7	471.8	469.0	469.0	469.0	468.0	467.0	469.0
177.5°	470.7	469.9	469.9	471.4	470.7	469.1	469.1	469.9	469.1	469.1	470.7
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	758.1	760.4	763.6	767.4	770.3	773.6	775.3	775.3	776.7	780.0	784.2
5°	760.3	768.4	776.2	786.0	793.8	802.7	809.6	816.1	822.0	829.4	837.1
7.5°	759.7	773.1	787.0	802.7	819.9	833.6	847.6	858.7	869.5	883.8	895.0
10°	757.2	774.6	793.4	813.3	834.9	853.9	870.9	886.4	901.2	916.7	930.7
12.5°	752.8	774.9	797.9	821.7	849.1	870.7	892.7	909.2	926.5	943.5	960.7
15°	746.1	772.1	800.0	833.2	866.6	890.7	912.4	933.8	949.9	969.1	985.5
17.5°	732.3	765.8	800.9	837.1	869.2	897.3	920.0	940.4	957.5	978.6	1000.9
20°	724.1	760.3	796.9	835.6	866.3	895.0	917.0	938.1	959.4	987.1	1014.3
22.5°	712.7	751.4	790.2	827.0	859.3	887.1	909.9	935.6	963.7	995.0	1027.9
25°	694.7	734.7	773.1	808.0	839.6	868.1	899.1	933.8	967.8	1009.0	1056.4
27.5°	671.8	710.4	744.6	781.5	813.0	849.2	887.9	925.4	974.6	1031.3	1090.5
30°	654.7	691.3	723.8	758.8	794.4	834.4	877.8	922.0	980.6	1047.1	1117.4
32.5°	634.9	668.0	700.3	734.0	775.1	819.0	865.1	919.2	989.2	1064.9	1137.8
35°	600.5	630.2	661.5	699.0	742.7	790.4	849.2	915.2	999.7	1081.2	1146.6
37.5°	564.5	587.9	619.4	658.8	706.5	761.7	828.4	908.6	995.4	1068.5	1096.3
40°	536.7	558.7	591.8	633.3	680.4	740.9	815.8	898.1	985.5	1036.2	1034.1
42.5°	509.2	531.5	563.4	605.1	654.2	721.8	798.9	884.5	958.2	977.5	937.3
45°	467.0	487.8	519.1	561.2	613.8	684.8	765.9	848.0	895.0	863.8	783.9
47.5°	424.0	444.2	473.2	514.5	571.9	646.2	722.9	790.3	796.9	729.7	633.8
50°	395.8	414.7	442.3	486.2	542.0	614.5	688.5	741.4	725.0	642.9	544.1
52.5°	368.3	386.5	412.3	453.8	510.8	581.8	647.8	689.4	651.4	564.2	475.3
55°	327.7	345.0	371.0	409.1	460.8	525.9	583.8	599.0	543.2	455.3	383.4
57.5°	289.1	301.7	327.5	361.2	411.1	468.4	509.9	507.2	445.6	366.5	315.0
60°	263.6	275.0	299.5	330.4	377.8	429.3	458.4	446.0	383.8	318.4	268.8
62.5°	239.8	250.5	271.0	299.5	340.2	384.9	406.1	389.0	330.2	272.8	233.4
65°	203.8	211.6	228.0	254.3	286.2	317.2	336.1	311.0	258.9	215.6	185.8
67.5°	170.2	176.8	191.4	210.3	232.4	253.7	261.4	237.8	197.4	168.2	147.2
70°	148.4	154.6	164.4	182.1	196.7	211.8	215.6	194.5	160.8	138.4	125.4
72.5°	127.5	133.2	141.9	154.3	164.4	173.2	175.0	155.3	129.6	114.1	104.1
75°	97.3	102.2	107.8	112.4	119.0	120.5	119.8	104.7	90.7	80.6	74.9
77.5°	71.5	73.5	77.0	78.8	79.1	79.0	75.8	66.2	59.0	54.8	52.5
80°	55.1	56.7	57.6	58.2	58.5	55.4	52.0	46.1	43.7	41.2	38.4
82.5°	40.0	41.1	42.0	42.2	40.4	37.8	34.7	31.8	30.0	28.8	27.7
85°	21.7	22.0	21.7	20.1	17.9	17.0	16.4	15.8	15.5	15.2	15.2
87.5°	8.1	7.7	6.8	7.5	7.8	7.7	8.2	8.1	8.2	8.4	8.6
90°	1.9	3.8	5.7	7.6	9.5	10.4	12.3	13.3	15.2	16.1	17.0
92.5°	14.0	22.0	33.8	50.1	77.7	129.4	216.2	310.4	305.4	247.3	167.9
95°	32.2	39.8	50.2	71.0	113.7	215.1	423.5	684.9	839.4	821.3	681.1
97.5°	53.1	58.4	68.8	87.6	118.2	185.3	338.0	611.6	896.3	1039.3	1014.4
100°	68.2	72.0	82.4	100.4	128.8	183.8	307.0	545.7	855.4	1092.3	1165.2
102.5°	83.4	86.4	97.6	114.1	141.7	190.6	294.1	495.6	783.4	1060.5	1216.0
105°	107.0	111.8	121.2	136.4	163.0	204.6	288.9	447.1	686.8	958.7	1186.1
107.5°	133.2	137.7	145.5	161.3	185.1	225.4	297.7	426.6	620.3	854.9	1079.2
110°	150.7	154.4	163.0	177.2	201.8	240.6	306.0	420.6	589.2	795.7	1000.4



TEST NUMBER: P333546-930

CATALOG NUMBER: S125RDIP-S610D1205U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.0	171.0	179.6	193.8	217.7	255.0	316.6	420.6	571.0	751.8	938.2
115°	193.2	196.1	204.6	218.8	242.6	277.6	332.5	423.5	551.4	703.8	860.2
117.5°	217.0	220.0	228.5	244.6	267.5	300.7	350.7	429.7	541.7	675.2	809.8
120°	232.1	235.9	244.4	260.5	284.2	317.4	362.8	435.8	537.1	659.3	782.5
122.5°	247.3	250.3	258.8	276.5	300.1	333.3	376.5	441.1	533.4	645.7	762.1
125°	267.2	271.9	280.4	298.4	323.0	354.3	395.0	450.0	528.6	627.1	732.3
127.5°	283.8	289.9	300.7	319.8	344.5	374.5	412.1	460.0	526.4	610.1	702.0
130°	293.7	301.3	313.6	333.5	358.1	387.4	423.5	466.1	524.8	598.8	683.1
132.5°	302.0	311.1	325.0	345.6	370.2	399.6	433.3	472.9	524.8	589.6	664.1
135°	314.5	325.9	341.0	360.9	386.5	415.9	447.1	482.2	524.8	578.9	639.4
137.5°	329.1	339.7	354.9	374.4	400.7	427.5	457.4	490.7	525.9	569.2	618.6
140°	338.2	349.6	364.8	382.7	408.3	435.8	464.2	494.5	526.7	564.6	607.2
142.5°	348.1	358.7	373.8	391.1	415.2	441.1	468.0	496.8	527.5	560.8	597.4
145°	363.8	373.2	386.5	403.6	425.3	450.0	473.7	499.3	526.7	555.1	584.5
147.5°	379.7	387.8	400.1	414.9	434.1	455.7	477.1	500.2	524.2	549.3	572.4
150°	390.3	397.0	409.3	422.5	438.6	459.4	479.4	500.2	522.0	544.7	565.6
152.5°	400.1	406.0	416.9	429.3	443.9	463.3	480.9	499.5	518.9	539.4	558.0
155°	413.0	418.7	428.2	437.7	450.9	467.0	482.2	497.3	513.5	530.5	546.6
157.5°	425.3	429.9	438.1	446.4	456.4	470.3	483.1	494.9	507.8	522.2	535.2
160°	432.9	436.8	443.4	450.9	459.4	471.8	483.1	492.6	504.0	515.4	527.7
162.5°	439.8	443.5	449.4	455.5	462.5	473.3	482.4	490.3	499.5	509.3	519.3
165°	449.1	451.9	456.6	460.4	466.1	473.7	481.3	486.9	492.6	500.2	507.8
167.5°	456.8	458.5	461.1	463.8	467.4	473.7	479.0	481.6	486.0	491.3	496.8
170°	461.4	462.3	464.2	466.1	469.0	473.7	477.4	479.4	482.2	486.0	490.7
172.5°	463.7	464.6	466.4	467.6	469.0	472.9	476.0	476.3	477.7	480.7	483.9
175°	467.0	468.0	469.0	469.0	469.0	471.8	473.7	472.7	472.7	473.7	476.5
177.5°	469.1	469.1	469.9	469.1	469.1	470.7	471.4	469.9	469.9	470.7	471.4
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	787.4	787.4	791.7	791.3	794.1	793.1	793.6
5°	846.4	851.7	856.3	859.4	864.1	865.4	864.7
7.5°	907.7	919.3	925.0	932.9	934.3	938.3	937.9
10°	945.5	957.0	965.6	972.5	975.9	980.2	980.6
12.5°	975.3	985.0	992.7	999.0	1003.1	1004.5	1005.3
15°	998.5	1009.3	1018.3	1027.3	1032.6	1036.6	1038.8
17.5°	1021.9	1038.6	1054.5	1066.7	1074.0	1080.2	1080.1
20°	1040.0	1059.2	1079.0	1093.0	1107.2	1113.4	1114.4
22.5°	1059.3	1088.7	1114.2	1135.8	1154.5	1161.0	1163.4
25°	1099.4	1137.8	1177.2	1207.5	1229.2	1241.9	1243.8
27.5°	1147.9	1200.0	1241.3	1269.3	1287.4	1296.7	1298.8
30°	1182.2	1230.1	1267.3	1288.4	1296.7	1298.0	1293.3
32.5°	1197.5	1233.4	1248.2	1247.0	1230.6	1219.7	1215.5
35°	1178.8	1171.3	1135.1	1091.7	1058.6	1037.5	1031.9
37.5°	1072.7	1008.6	941.9	876.4	841.6	823.9	793.4
40°	968.2	876.8	807.4	752.3	713.0	681.3	673.9
42.5°	850.2	755.9	686.5	639.3	607.9	586.2	576.8
45°	683.2	602.1	544.8	508.5	484.4	468.6	461.5
47.5°	546.4	483.6	441.9	415.1	396.6	382.9	379.1
50°	471.4	421.2	385.9	363.3	349.4	338.8	334.5
52.5°	409.4	368.9	341.8	323.2	310.0	303.4	299.8
55°	337.9	302.9	283.4	268.5	261.1	255.8	253.3
57.5°	276.3	251.0	236.8	226.5	219.6	216.3	215.1
60°	241.9	222.1	209.0	201.0	196.3	192.0	190.8
62.5°	211.4	195.8	185.7	178.7	174.1	172.2	171.5
65°	170.3	160.1	152.7	148.4	144.6	144.0	143.7
67.5°	135.4	129.4	125.5	121.0	119.7	117.5	117.1
70°	115.9	111.8	107.1	105.6	104.0	101.9	102.2
72.5°	98.2	94.2	91.1	89.0	88.5	87.6	88.3
75°	71.8	70.6	69.4	67.8	67.2	67.2	66.9
77.5°	51.3	50.2	48.8	47.9	47.8	46.5	47.0
80°	37.2	35.6	35.0	35.3	34.4	34.1	34.1
82.5°	27.5	26.9	26.3	26.4	26.2	25.9	26.2
85°	15.2	14.8	14.8	14.6	14.6	14.3	14.3
87.5°	9.0	9.5	9.4	9.1	9.1	9.5	9.8
90°	18.0	18.9	20.9	20.9	20.9	21.8	21.8
92.5°	121.8	91.7	77.7	65.6	63.3	62.0	60.4
95°	537.1	420.6	341.0	273.8	245.3	237.8	222.7
97.5°	913.5	800.0	689.3	630.7	577.7	550.2	538.1
100°	1118.8	1021.2	922.7	857.4	789.1	754.1	738.9
102.5°	1244.6	1197.8	1131.1	1061.2	1012.7	974.6	963.3
105°	1315.9	1357.6	1347.1	1316.8	1285.6	1266.6	1255.2
107.5°	1252.4	1359.4	1408.9	1424.2	1424.1	1417.8	1410.2
110°	1180.4	1313.9	1394.5	1437.1	1455.1	1461.8	1461.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1109.1	1244.2	1339.1	1401.5	1432.4	1448.9	1455.7
115°	1007.1	1136.8	1240.1	1313.9	1359.4	1385.9	1398.2
117.5°	936.4	1048.1	1142.9	1216.8	1263.8	1290.1	1297.6
120°	896.2	1000.4	1083.8	1153.9	1199.3	1224.9	1232.5
122.5°	867.4	960.3	1038.3	1100.8	1142.5	1168.1	1174.9
125°	828.9	911.3	979.6	1032.6	1071.5	1092.3	1101.8
127.5°	792.1	869.1	932.9	981.0	1015.4	1035.1	1039.3
130°	766.4	840.3	901.9	949.3	980.5	999.5	1005.1
132.5°	742.2	809.2	868.5	915.9	947.1	964.6	971.0
135°	704.8	765.5	819.5	861.1	892.4	909.5	915.2
137.5°	671.5	721.9	767.8	805.0	833.5	849.2	855.4
140°	651.8	695.4	735.2	770.2	794.8	809.0	813.8
142.5°	635.1	672.6	707.1	736.9	757.7	771.1	775.1
145°	613.8	643.3	668.8	691.5	707.7	718.1	721.9
147.5°	596.2	618.8	638.1	656.2	669.0	675.1	676.8
150°	586.4	604.4	621.4	635.7	647.0	650.9	651.8
152.5°	576.6	593.0	606.3	618.2	627.3	631.1	632.1
155°	561.7	575.0	585.5	594.9	601.5	604.4	605.4
157.5°	547.7	558.0	566.1	573.5	579.0	581.6	581.5
160°	537.1	546.6	553.3	559.9	564.6	566.6	565.6
162.5°	528.1	536.0	541.8	547.0	551.0	551.4	551.1
165°	514.4	520.1	524.8	528.6	530.5	530.5	530.5
167.5°	501.2	505.5	508.9	510.8	512.5	511.8	511.6
170°	493.6	496.4	498.3	500.2	501.2	501.2	500.2
172.5°	486.7	488.9	490.0	490.3	492.0	490.6	489.6
175°	476.5	478.4	478.4	478.4	479.4	477.4	476.5
177.5°	472.1	472.1	472.1	471.4	472.1	469.9	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9

(END OF REPORT)