

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: P333532-830

Luminaire Tested: **S125RDIP-S610D810U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333532-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D810U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5315.3 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

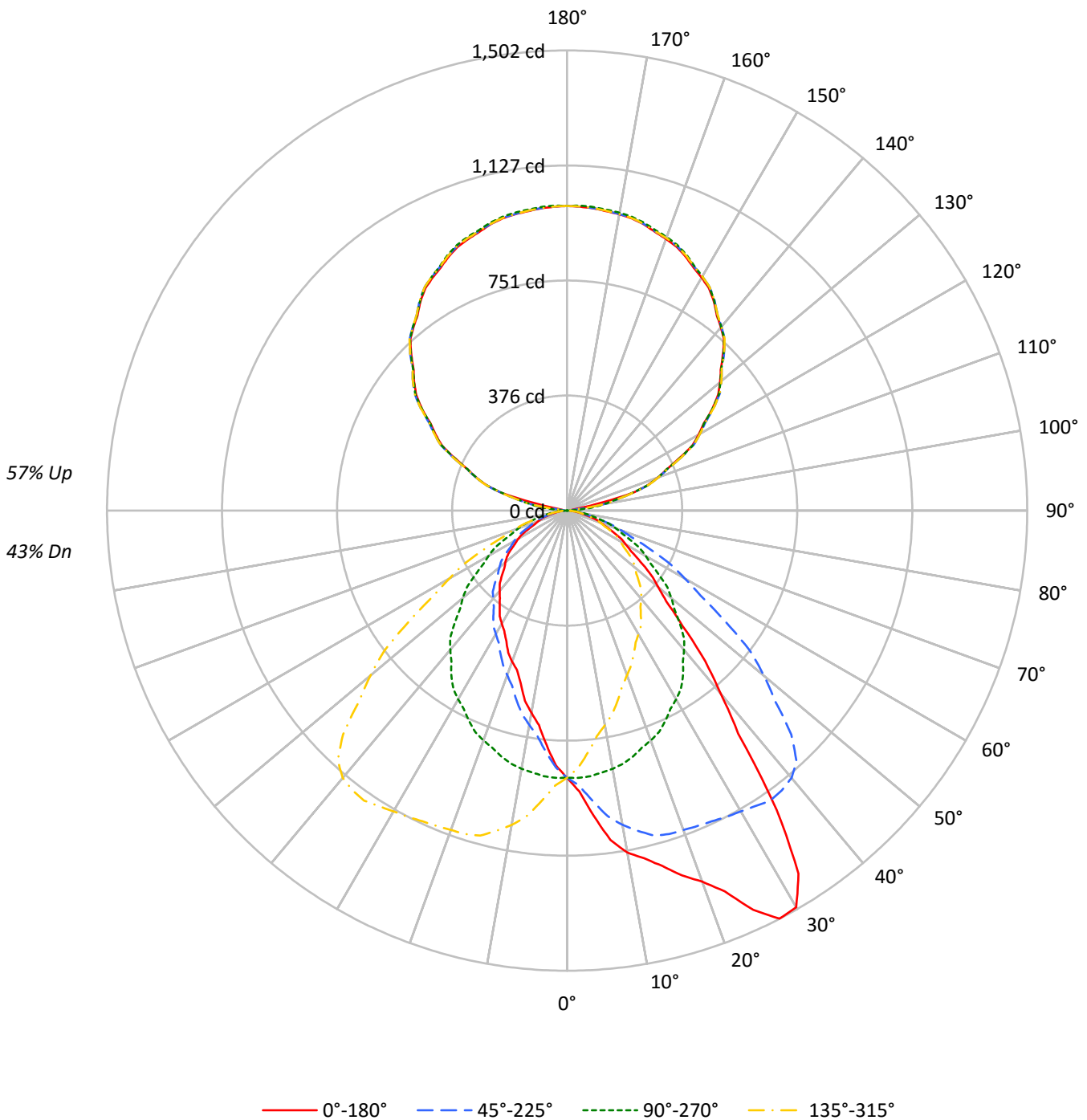
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	43																				
1	96	92	89	85	88	85	81	79	70	68	66	56	55	54	44	43	42	37																				
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	39	38	36	31																				
3	81	71	64	59	73	66	60	55	55	50	46	44	41	39	35	33	31	27																				
4	74	63	56	50	67	58	52	46	49	44	40	40	36	33	31	29	27	23																				
5	68	57	49	43	62	52	45	40	44	38	34	36	32	29	28	26	24	20																				
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	26	23	21	18																				
7	58	46	38	33	53	42	35	31	36	30	27	29	25	23	24	21	19	16																				
8	54	42	34	29	49	38	32	27	32	27	24	27	23	20	22	19	17	14																				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13																				
10	46	35	28	23	43	32	26	22	27	22	19	23	19	16	19	16	14	12																				

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.6
10°-20°	245.1	4.6
20°-30°	388.6	7.3
30°-40°	468.7	8.8
40°-50°	418.5	7.9
50°-60°	321.0	6.0
60°-70°	208.6	3.9
70°-80°	101.4	1.9
80°-90°	26.3	0.5
90°-100°	36.1	0.7
100°-110°	222.7	4.2
110°-120°	403.9	7.6
120°-130°	518.4	9.8
130°-140°	557.5	10.5
140°-150°	523.3	9.8
150°-160°	423.3	8.0
160°-170°	273.8	5.2
170°-180°	94.4	1.8
0°-30°	717.4	13.5
0°-40°	1186.0	22.3
0°-60°	1925.5	36.2
0°-90°	2261.8	42.6
90°-120°	662.7	12.5
90°-150°	2262.0	42.6
90°-180°	3054.0	57.5
0°-180°	5315.3	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	19
90°	18	1	18	1	18	8
95°	16	42	16	42	16	13
105°	219	217	219	217	219	198
115°	404	407	404	407	404	401
125°	579	579	579	579	579	515
135°	719	722	719	722	719	555
145°	834	837	834	837	834	521
155°	915	921	915	921	915	422
165°	967	972	967	972	967	273
175°	990	994	990	994	990	94
180°	994	994	994	994	994	



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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°	9.8	9.4	9.0	9.0	9.1	9.6	9.1	8.7	8.6	8.4	8.4
90°	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5	12.6	11.8	10.7
92.5°	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5	12.6	11.8	10.7
95°	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5	12.6	11.8	18.0
97.5°	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1	31.7	36.3	48.5
100°	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5	103.9	128.3	127.6
102.5°	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4	159.0	163.6	163.2
105°	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1	278.1	278.1	277.7
110°	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9	316.5	317.0	316.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5	354.1	354.7	354.5
115°	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0	410.7	411.3	411.1
117.5°	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6	465.4	466.3	465.7
120°	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8	500.2	500.5	500.0
122.5°	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5	533.8	534.1	533.9
125°	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5	583.2	583.8	583.8
127.5°	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3	627.6	628.0	628.1
130°	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5	657.0	657.5	657.3
132.5°	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8	683.9	684.0	684.4
135°	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0	724.2	724.6	724.9
137.5°	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3	761.2	761.1	761.5
140°	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2	783.9	783.5	783.7
142.5°	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7	806.6	806.5	806.3
145°	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4	838.3	838.1	838.1
147.5°	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6	865.4	865.3	865.1
150°	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0	882.7	882.3	882.0
152.5°	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3	898.0	897.7	897.3
155°	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5	918.9	918.4	918.1
157.5°	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9	936.3	935.9	935.8
160°	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7	947.1	946.4	946.3
162.5°	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7	956.8	955.9	955.7
165°	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5	969.6	968.6	968.4
167.5°	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2	979.0	977.9	977.7
170°	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1	983.9	982.6	982.4
172.5°	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0	987.9	986.7	986.4
175°	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3	992.0	990.7	990.5
177.5°	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0	994.1	993.2	993.1
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



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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°	8.5	8.3	8.3	8.1	7.5	8.7	9.3	9.3	9.0	8.7	8.4
90°	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8	2.1	3.4	4.7
92.5°	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3	10.5	9.5	8.6
95°	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0	41.6	41.0	40.5
97.5°	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8	88.6	89.4	90.4
100°	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1	123.6	124.0	124.6
102.5°	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1	159.7	160.3	160.9
105°	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7	217.4	218.0	218.7
107.5°	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5
110°	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5	315.5	315.5	315.5



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0	352.4	352.8	353.3
115°	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9	407.7	408.5	409.3
117.5°	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6	463.6	463.5	463.5
120°	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0	498.9	498.7	498.5
122.5°	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3	530.9	531.5	532.2
125°	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6	579.8	580.9	582.1
127.5°	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8	625.6	626.4	627.3
130°	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1	653.9	654.7	655.5
132.5°	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4	682.3	683.2	684.2
135°	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6	722.6	723.6	724.6
137.5°	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7	759.5	760.3	761.2
140°	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8	783.2	783.4	783.8
142.5°	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6	804.8	805.0	805.2
145°	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6	837.0	837.3	837.6
147.5°	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6	864.6	864.5	864.4
150°	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.0	881.7	881.4
152.5°	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5	898.7	898.0	897.3
155°	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4	920.4	919.5	918.4
157.5°	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3	937.7	937.2	936.6
160°	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2	949.1	948.2	947.2
162.5°	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6	958.6	957.6	956.6
165°	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2	971.3	970.3	969.3
167.5°	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7	980.7	979.7	978.6
170°	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0	985.8	984.7	983.5
172.5°	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5	989.4	988.3	987.1
175°	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4	993.3	992.4	991.5
177.5°	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2	995.3	994.6	993.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

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°	8.4	8.6	8.6	9.3	8.7	9.2	9.4	9.2	9.4	9.6	9.4
90°	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5	14.2	15.1	15.7
92.5°	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5	14.2	15.1	15.6
95°	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5	14.2	15.1	15.5
97.5°	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1	22.4	17.8	15.5
100°	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5	55.0	30.6	18.1
102.5°	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4	149.8	145.2	137.3
105°	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1	278.1	278.1	278.0
110°	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9	315.5	315.0	314.8



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5	352.8	352.2	351.8
115°	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0	409.3	408.7	407.8
117.5°	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6	463.7	462.9	462.2
120°	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8	499.5	499.2	498.6
122.5°	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5	533.1	532.8	532.2
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5	581.8	581.2	580.6
127.5°	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3	627.0	626.6	625.8
130°	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5	656.0	655.5	654.9
132.5°	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8	683.7	683.6	683.2
135°	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0	723.6	723.3	722.6
137.5°	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3	761.3	761.4	761.0
140°	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2	784.6	784.9	784.6
142.5°	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7	806.7	806.8	806.3
145°	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4	838.6	838.8	838.3
147.5°	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6	865.8	866.0	865.5
150°	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0	883.4	883.6	883.2
152.5°	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3	898.6	899.0	898.5
155°	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5	919.9	920.4	920.0
157.5°	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9	937.5	937.9	937.5
160°	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7	948.4	949.0	948.8
162.5°	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7	958.7	959.5	959.3
165°	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5	971.5	972.5	972.3
167.5°	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2	981.4	982.6	982.4
170°	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1	986.5	987.8	987.7
172.5°	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0	990.2	991.5	991.3
175°	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3	994.6	995.9	995.8
177.5°	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0	995.9	996.8	996.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

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°	9.8	9.6	9.7	9.8	9.7	9.6	9.8	9.4	9.6	9.4	9.2
90°	16.2	16.7	17.2	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5
92.5°	15.8	16.0	16.3	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5
95°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5
97.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1
100°	17.4	16.8	16.1	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5
102.5°	126.1	115.0	103.9	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4
105°	219.4	219.2	219.0	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6
107.5°	277.5	276.9	276.4	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1
110°	315.0	315.2	315.3	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	351.6	351.3	351.1	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5
115°	406.9	405.9	404.9	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0
117.5°	461.8	461.4	461.0	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6
120°	497.8	497.0	496.2	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8
122.5°	531.2	530.3	529.3	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5
125°	580.1	579.6	579.1	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5
127.5°	624.6	623.4	622.2	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3
130°	654.0	653.3	652.4	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5
132.5°	682.4	681.6	680.7	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8
135°	721.6	720.7	719.6	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0
137.5°	760.2	759.3	758.5	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3
140°	783.5	782.6	781.6	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2
142.5°	805.4	804.4	803.4	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7
145°	837.4	836.4	835.4	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4
147.5°	864.3	863.2	862.0	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6
150°	881.8	880.5	879.2	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0
152.5°	897.4	896.2	895.0	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3
155°	918.7	917.4	916.1	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5
157.5°	936.2	934.9	933.6	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9
160°	947.4	946.1	944.8	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7
162.5°	957.8	956.4	955.0	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7
165°	971.0	969.7	968.4	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5
167.5°	980.9	979.5	978.0	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2
170°	986.3	984.8	983.3	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1
172.5°	989.8	988.4	986.8	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0
175°	994.4	992.9	991.5	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3
177.5°	995.7	994.7	993.6	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

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°	9.4	9.2	8.7	9.3	8.6	8.6	8.4	8.4	8.7	9.0	9.3
90°	12.6	11.8	10.7	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8
92.5°	12.6	11.8	10.7	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3
95°	12.6	11.8	18.0	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0
97.5°	31.7	36.3	48.5	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8
100°	103.9	128.3	127.6	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1
102.5°	159.0	163.6	163.2	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1
105°	219.6	219.6	219.6	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7
107.5°	278.1	278.1	277.7	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5
110°	316.5	317.0	316.6	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	354.1	354.7	354.5	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0
115°	410.7	411.3	411.1	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9
117.5°	465.4	466.3	465.7	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6
120°	500.2	500.5	500.0	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0
122.5°	533.8	534.1	533.9	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6
127.5°	627.6	628.0	628.1	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8
130°	657.0	657.5	657.3	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1
132.5°	683.9	684.0	684.4	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4
135°	724.2	724.6	724.9	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6
137.5°	761.2	761.1	761.5	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7
140°	783.9	783.5	783.7	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8
142.5°	806.6	806.5	806.3	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6
145°	838.3	838.1	838.1	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6
147.5°	865.4	865.3	865.1	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6
150°	882.7	882.3	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3
152.5°	898.0	897.7	897.3	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5
155°	918.9	918.4	918.1	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4
157.5°	936.3	935.9	935.8	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3
160°	947.1	946.4	946.3	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2
162.5°	956.8	955.9	955.7	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6
165°	969.6	968.6	968.4	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2
167.5°	979.0	977.9	977.7	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7
170°	983.9	982.6	982.4	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0
172.5°	987.9	986.7	986.4	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5
175°	992.0	990.7	990.5	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4
177.5°	994.1	993.2	993.1	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333532-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

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	8.7	7.5	8.1	8.3	8.3	8.5	8.4	8.4	8.6	8.7
90°	2.1	3.4	4.7	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5
92.5°	10.5	9.5	8.6	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5
95°	41.6	41.0	40.5	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5
97.5°	88.6	89.4	90.4	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1
100°	123.6	124.0	124.6	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5
102.5°	159.7	160.3	160.9	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4
105°	217.4	218.0	218.7	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.5	276.5	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1
110°	315.5	315.5	315.5	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9



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CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	352.4	352.8	353.3	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5
115°	407.7	408.5	409.3	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0
117.5°	463.6	463.5	463.5	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6
120°	498.9	498.7	498.5	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8
122.5°	530.9	531.5	532.2	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5
125°	579.8	580.9	582.1	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5
127.5°	625.6	626.4	627.3	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3
130°	653.9	654.7	655.5	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5
132.5°	682.3	683.2	684.2	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8
135°	722.6	723.6	724.6	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0
137.5°	759.5	760.3	761.2	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3
140°	783.2	783.4	783.8	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2
142.5°	804.8	805.0	805.2	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7
145°	837.0	837.3	837.6	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4
147.5°	864.6	864.5	864.4	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6
150°	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0
152.5°	898.7	898.0	897.3	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3
155°	920.4	919.5	918.4	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5
157.5°	937.7	937.2	936.6	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9
160°	949.1	948.2	947.2	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7
162.5°	958.6	957.6	956.6	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7
165°	971.3	970.3	969.3	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5
167.5°	980.7	979.7	978.6	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2
170°	985.8	984.7	983.5	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1
172.5°	989.4	988.3	987.1	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0
175°	993.3	992.4	991.5	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3
177.5°	995.3	994.6	993.8	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



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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°	9.1	9.6	9.1	9.0	9.0	9.4	9.8
90°	14.2	15.1	15.7	16.2	16.7	17.2	17.7
92.5°	14.2	15.1	15.6	15.8	16.0	16.3	16.5
95°	14.2	15.1	15.5	15.5	15.5	15.5	15.5
97.5°	22.4	17.8	15.5	15.5	15.5	15.5	15.5
100°	55.0	30.6	18.1	17.4	16.8	16.1	15.5
102.5°	149.8	145.2	137.3	126.1	115.0	103.9	92.7
105°	219.6	219.6	219.6	219.4	219.2	219.0	219.0
107.5°	278.1	278.1	278.0	277.5	276.9	276.4	276.0
110°	315.5	315.0	314.8	315.0	315.2	315.3	315.5



TEST NUMBER: P333532-830

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.8	352.2	351.8	351.6	351.3	351.1	350.9
115°	409.3	408.7	407.8	406.9	405.9	404.9	404.0
117.5°	463.7	462.9	462.2	461.8	461.4	461.0	460.5
120°	499.5	499.2	498.6	497.8	497.0	496.2	495.3
122.5°	533.1	532.8	532.2	531.2	530.3	529.3	528.4
125°	581.8	581.2	580.6	580.1	579.6	579.1	578.6
127.5°	627.0	626.6	625.8	624.6	623.4	622.2	620.9
130°	656.0	655.5	654.9	654.0	653.3	652.4	651.6
132.5°	683.7	683.6	683.2	682.4	681.6	680.7	680.0
135°	723.6	723.3	722.6	721.6	720.7	719.6	718.7
137.5°	761.3	761.4	761.0	760.2	759.3	758.5	757.6
140°	784.6	784.9	784.6	783.5	782.6	781.6	780.6
142.5°	806.7	806.8	806.3	805.4	804.4	803.4	802.4
145°	838.6	838.8	838.3	837.4	836.4	835.4	834.4
147.5°	865.8	866.0	865.5	864.3	863.2	862.0	860.8
150°	883.4	883.6	883.2	881.8	880.5	879.2	877.9
152.5°	898.6	899.0	898.5	897.4	896.2	895.0	893.8
155°	919.9	920.4	920.0	918.7	917.4	916.1	914.7
157.5°	937.5	937.9	937.5	936.2	934.9	933.6	932.3
160°	948.4	949.0	948.8	947.4	946.1	944.8	943.5
162.5°	958.7	959.5	959.3	957.8	956.4	955.0	953.6
165°	971.5	972.5	972.3	971.0	969.7	968.4	967.0
167.5°	981.4	982.6	982.4	980.9	979.5	978.0	976.6
170°	986.5	987.8	987.7	986.3	984.8	983.3	981.8
172.5°	990.2	991.5	991.3	989.8	988.4	986.8	985.3
175°	994.6	995.9	995.8	994.4	992.9	991.5	990.0
177.5°	995.9	996.8	996.8	995.7	994.7	993.6	992.6
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4

(END OF REPORT)