

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: P333533-830

Luminaire Tested: **S125RDIP-S610D810U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333533-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D810U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4904.6 lumens
Efficiency: N/A
Efficacy: 127.7 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

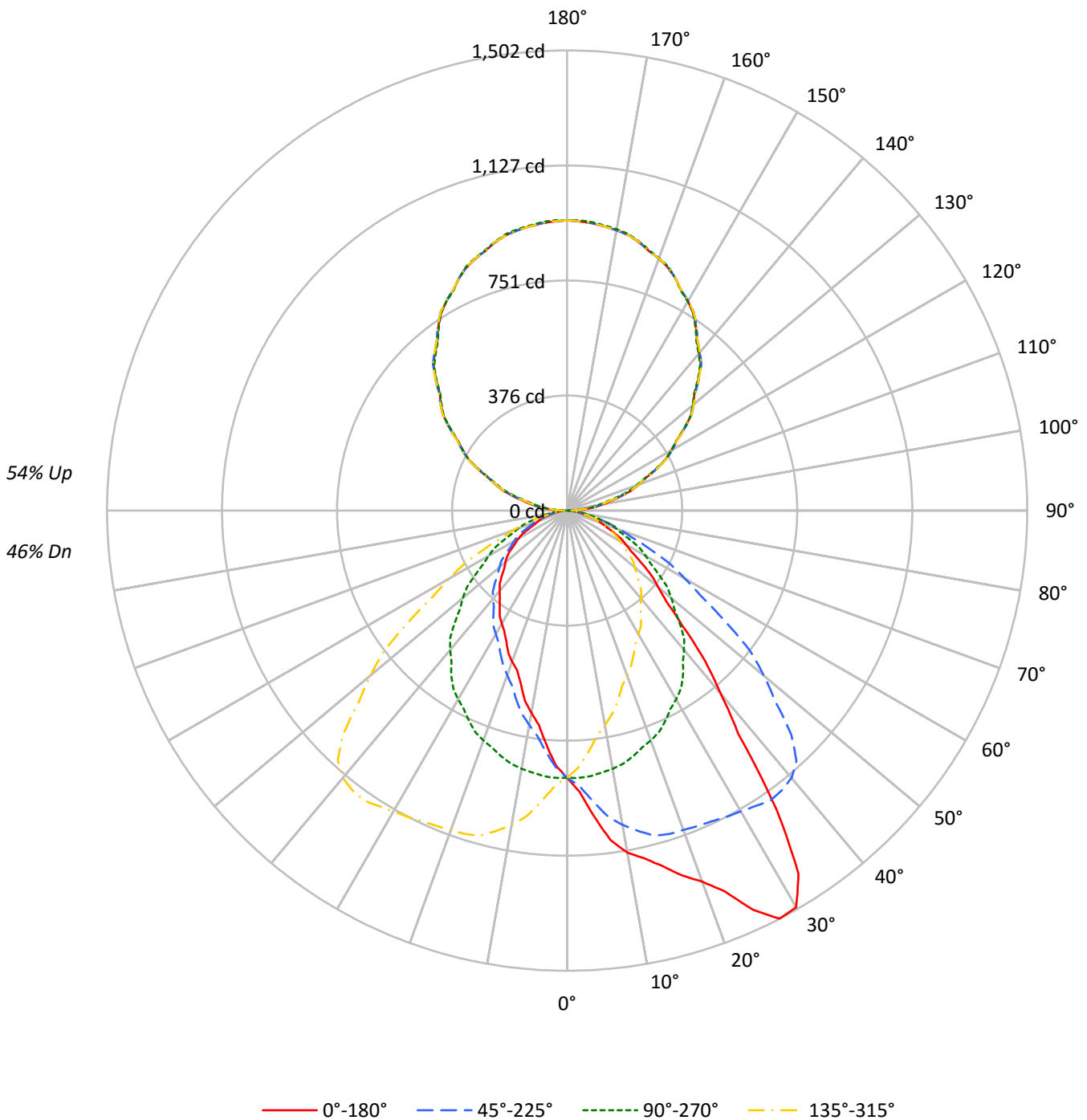
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	86	83	80	72	69	67	59	57	56	47	46	45	40				
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34				
3	81	72	65	59	74	67	60	55	56	52	48	46	43	40	37	35	33	29				
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	34	31	29	25				
5	68	57	49	43	63	53	46	41	45	40	35	37	33	30	30	28	25	22				
6	63	51	43	38	58	48	41	35	40	35	31	34	30	27	28	25	22	19				
7	58	46	39	33	53	43	36	31	37	31	27	31	27	24	25	22	20	17				
8	54	42	34	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15				
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14				
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13				

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	1.7
10°-20°	245.1	5.0
20°-30°	388.6	7.9
30°-40°	468.7	9.6
40°-50°	418.5	8.5
50°-60°	321.0	6.5
60°-70°	208.6	4.3
70°-80°	101.4	2.1
80°-90°	26.3	0.5
90°-100°	63.4	1.3
100°-110°	187.3	3.8
110°-120°	317.3	6.5
120°-130°	417.5	8.5
130°-140°	467.9	9.5
140°-150°	458.6	9.3
150°-160°	385.1	7.9
160°-170°	256.0	5.2
170°-180°	89.6	1.8
0°-30°	717.4	14.6
0°-40°	1186.0	24.2
0°-60°	1925.5	39.3
0°-90°	2261.8	46.1
90°-120°	568.0	11.6
90°-150°	1912.0	39.0
90°-180°	2643.0	53.9
0°-180°	4904.6	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	11
95°	63	48	63	48	63	65
105°	183	168	183	168	183	194
115°	321	318	321	318	321	317
125°	467	464	467	464	467	417
135°	605	603	605	603	605	467
145°	733	730	733	730	733	458
155°	836	836	836	836	836	385
165°	906	909	906	909	906	256
175°	941	945	941	945	941	89
180°	947	947	947	947	947	



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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	13.4	12.6	11.8	10.7
92.5°	34.8	34.4	34.0	33.7	33.4	32.6	31.6	30.4	29.4	28.3	26.9
95°	63.3	63.1	62.8	62.4	62.1	61.4	60.2	59.0	57.9	56.7	55.1
97.5°	96.1	96.0	95.7	95.5	95.3	94.7	93.6	92.6	91.4	90.4	88.1
100°	120.8	120.6	120.2	119.9	119.6	118.7	117.2	115.7	114.2	112.7	110.7
102.5°	145.6	145.2	144.7	144.3	143.8	142.8	141.2	139.6	138.0	136.4	135.3
105°	182.8	182.3	181.8	181.3	180.8	180.1	179.1	178.1	177.1	176.2	175.1
107.5°	220.8	220.8	220.8	220.9	220.9	220.7	220.2	219.7	219.2	218.8	218.0
110°	249.1	249.3	249.4	249.6	249.8	249.6	249.1	248.6	248.2	247.6	247.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	276.8	277.1	277.4	277.7	278.1	278.1	277.8	277.6	277.4	277.1	276.5
115°	320.7	320.7	320.9	321.1	321.2	321.4	321.6	321.8	321.9	322.1	321.8
117.5°	363.4	364.0	364.7	365.3	366.0	366.3	366.1	366.0	365.8	365.7	365.4
120°	392.9	393.5	394.2	394.8	395.5	395.8	395.8	395.8	395.8	395.8	395.6
122.5°	422.4	422.8	423.4	423.9	424.4	424.7	424.9	425.0	425.1	425.3	424.8
125°	466.6	466.7	466.8	467.0	467.2	467.4	467.8	468.1	468.4	468.7	468.5
127.5°	509.0	509.3	509.6	510.0	510.3	510.6	510.7	510.9	511.0	511.2	511.0
130°	537.2	537.6	537.9	538.3	538.6	538.9	539.0	539.1	539.3	539.5	539.1
132.5°	563.8	564.3	564.8	565.2	565.6	566.0	566.1	566.3	566.5	566.7	566.7
135°	605.1	605.8	606.4	607.1	607.8	608.0	608.0	608.0	608.0	608.0	607.8
137.5°	645.5	646.3	647.1	647.9	648.8	649.0	648.8	648.7	648.5	648.3	647.9
140°	671.5	672.2	673.1	673.9	674.7	675.0	674.6	674.3	674.0	673.6	673.2
142.5°	696.2	697.0	697.9	698.6	699.5	699.7	699.6	699.4	699.2	699.0	698.3
145°	733.3	733.9	734.3	734.8	735.3	735.6	735.6	735.6	735.6	735.6	735.1
147.5°	765.1	766.2	767.2	768.4	769.5	769.9	769.5	769.0	768.6	768.3	767.9
150°	788.6	788.9	789.3	789.6	789.9	790.1	790.1	790.1	790.1	790.1	789.5
152.5°	808.0	808.7	809.3	809.8	810.4	810.5	810.1	809.7	809.4	809.0	808.7
155°	835.8	836.6	837.4	838.2	839.1	839.1	838.5	837.8	837.2	836.5	836.3
157.5°	858.9	860.0	861.1	862.1	863.3	863.5	862.8	862.1	861.5	860.8	860.6
160°	874.9	875.6	876.5	877.3	878.2	878.2	877.5	876.9	876.3	875.6	875.4
162.5°	888.4	889.4	890.3	891.3	892.2	892.3	891.6	890.7	889.9	889.2	889.1
165°	906.5	907.5	908.5	909.5	910.5	910.6	910.0	909.4	908.7	908.0	907.9
167.5°	921.0	922.0	923.0	924.1	925.0	925.1	924.1	923.1	922.1	921.1	921.1
170°	928.7	929.8	930.9	932.1	933.2	933.3	932.4	931.3	930.4	929.3	929.3
172.5°	935.1	936.1	937.2	938.2	939.2	939.2	938.2	937.3	936.2	935.3	935.3
175°	941.2	942.4	943.5	944.6	945.7	945.8	944.9	943.9	942.9	941.9	941.9
177.5°	944.7	945.7	946.6	947.4	948.4	948.5	947.6	946.9	946.1	945.3	945.5
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



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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°	25.4	24.0	22.6	21.5	20.5	19.7	18.8	17.8	18.8	19.7	20.5
95°	53.4	51.8	50.2	49.2	48.9	48.5	48.3	47.9	48.3	48.5	48.9
97.5°	85.9	83.6	81.3	80.1	80.0	79.8	79.7	79.6	79.7	79.8	80.0
100°	108.5	106.4	104.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2
102.5°	134.2	133.1	132.1	131.2	130.5	129.9	129.2	128.6	129.2	129.9	130.5
105°	174.2	173.2	172.2	171.4	170.5	169.7	168.9	168.1	168.9	169.7	170.5
107.5°	217.3	216.5	215.7	215.0	214.1	213.3	212.4	211.7	212.4	213.3	214.1
110°	246.7	246.2	245.7	245.1	244.2	243.4	242.6	241.8	242.6	243.4	244.2



TEST NUMBER: P333533-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.9	275.2	274.7	274.1	273.7	273.2	272.9	272.4	272.9	273.2	273.7
115°	321.4	321.1	320.7	320.3	319.6	319.0	318.3	317.6	318.3	319.0	319.6
117.5°	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.1	363.4	363.6	363.9
120°	395.5	395.3	395.1	394.6	393.8	393.0	392.2	391.3	392.2	393.0	393.8
122.5°	424.4	424.0	423.6	423.2	422.9	422.6	422.4	422.0	422.4	422.6	422.9
125°	468.4	468.3	468.1	467.5	466.6	465.5	464.6	463.5	464.6	465.5	466.6
127.5°	510.8	510.6	510.4	510.0	509.4	508.9	508.4	507.8	508.4	508.9	509.4
130°	538.9	538.5	538.2	537.6	536.8	536.0	535.2	534.3	535.2	536.0	536.8
132.5°	566.8	566.8	566.8	566.3	564.9	563.5	562.2	560.9	562.2	563.5	564.9
135°	607.8	607.6	607.4	606.8	605.9	604.8	603.9	602.9	603.9	604.8	605.9
137.5°	647.5	647.2	646.9	646.2	645.3	644.3	643.4	642.4	643.4	644.3	645.3
140°	672.7	672.1	671.7	671.0	670.2	669.4	668.5	667.8	668.5	669.4	670.2
142.5°	697.8	697.1	696.5	695.9	695.1	694.5	693.8	693.1	693.8	694.5	695.1
145°	734.5	734.1	733.6	733.0	732.4	731.7	731.0	730.4	731.0	731.7	732.4
147.5°	767.5	767.1	766.7	766.3	766.0	765.6	765.3	764.9	765.3	765.6	766.0
150°	788.8	788.2	787.5	787.2	787.4	787.6	787.7	787.9	787.7	787.6	787.4
152.5°	808.4	808.1	807.9	807.7	807.5	807.2	807.0	806.7	807.0	807.2	807.5
155°	836.2	836.0	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8
157.5°	860.5	860.4	860.2	860.3	860.6	861.0	861.4	861.8	861.4	861.0	860.6
160°	875.2	875.1	875.0	875.1	875.6	876.1	876.6	877.0	876.6	876.1	875.6
162.5°	889.1	889.0	889.0	889.2	889.6	889.9	890.2	890.6	890.2	889.9	889.6
165°	907.7	907.5	907.4	907.5	907.8	908.1	908.4	908.8	908.4	908.1	907.8
167.5°	921.1	921.1	921.1	921.4	922.1	922.7	923.4	924.1	923.4	922.7	922.1
170°	929.3	929.3	929.3	929.7	930.4	931.0	931.7	932.4	931.7	931.0	930.4
172.5°	935.3	935.3	935.3	935.6	936.2	936.9	937.5	938.2	937.5	936.9	936.2
175°	941.9	941.9	941.9	942.3	942.9	943.6	944.2	944.9	944.2	943.6	942.9
177.5°	945.6	945.7	945.8	946.1	946.7	947.3	947.7	948.3	947.7	947.3	946.7
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333533-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A1

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	13.4	14.2	15.1	15.7
92.5°	21.5	22.6	24.0	25.4	26.9	28.3	29.4	30.4	31.6	32.6	33.4
95°	49.2	50.2	51.8	53.4	55.1	56.7	57.9	59.0	60.2	61.4	62.1
97.5°	80.1	81.3	83.6	85.9	88.1	90.4	91.4	92.6	93.6	94.7	95.3
100°	103.2	104.2	106.4	108.5	110.7	112.7	114.2	115.7	117.2	118.7	119.6
102.5°	131.2	132.1	133.1	134.2	135.3	136.4	138.0	139.6	141.2	142.8	143.8
105°	171.4	172.2	173.2	174.2	175.1	176.2	177.1	178.1	179.1	180.1	180.8
107.5°	215.0	215.7	216.5	217.3	218.0	218.8	219.2	219.7	220.2	220.7	220.9
110°	245.1	245.7	246.2	246.7	247.1	247.6	248.2	248.6	249.1	249.6	249.8



TEST NUMBER: P333533-830

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	274.1	274.7	275.2	275.9	276.5	277.1	277.4	277.6	277.8	278.1	278.1
115°	320.3	320.7	321.1	321.4	321.8	322.1	321.9	321.8	321.6	321.4	321.2
117.5°	364.2	364.6	364.9	365.1	365.4	365.7	365.8	366.0	366.1	366.3	366.0
120°	394.6	395.1	395.3	395.5	395.6	395.8	395.8	395.8	395.8	395.8	395.5
122.5°	423.2	423.6	424.0	424.4	424.8	425.3	425.1	425.0	424.9	424.7	424.4
125°	467.5	468.1	468.3	468.4	468.5	468.7	468.4	468.1	467.8	467.4	467.2
127.5°	510.0	510.4	510.6	510.8	511.0	511.2	511.0	510.9	510.7	510.6	510.3
130°	537.6	538.2	538.5	538.9	539.1	539.5	539.3	539.1	539.0	538.9	538.6
132.5°	566.3	566.8	566.8	566.8	566.7	566.7	566.5	566.3	566.1	566.0	565.6
135°	606.8	607.4	607.6	607.8	607.8	608.0	608.0	608.0	608.0	608.0	607.8
137.5°	646.2	646.9	647.2	647.5	647.9	648.3	648.5	648.7	648.8	649.0	648.8
140°	671.0	671.7	672.1	672.7	673.2	673.6	674.0	674.3	674.6	675.0	674.7
142.5°	695.9	696.5	697.1	697.8	698.3	699.0	699.2	699.4	699.6	699.7	699.5
145°	733.0	733.6	734.1	734.5	735.1	735.6	735.6	735.6	735.6	735.6	735.3
147.5°	766.3	766.7	767.1	767.5	767.9	768.3	768.6	769.0	769.5	769.9	769.5
150°	787.2	787.5	788.2	788.8	789.5	790.1	790.1	790.1	790.1	790.1	789.9
152.5°	807.7	807.9	808.1	808.4	808.7	809.0	809.4	809.7	810.1	810.5	810.4
155°	835.8	835.8	836.0	836.2	836.3	836.5	837.2	837.8	838.5	839.1	839.1
157.5°	860.3	860.2	860.4	860.5	860.6	860.8	861.5	862.1	862.8	863.5	863.3
160°	875.1	875.0	875.1	875.2	875.4	875.6	876.3	876.9	877.5	878.2	878.2
162.5°	889.2	889.0	889.0	889.1	889.1	889.2	889.9	890.7	891.6	892.3	892.2
165°	907.5	907.4	907.5	907.7	907.9	908.0	908.7	909.4	910.0	910.6	910.5
167.5°	921.4	921.1	921.1	921.1	921.1	921.1	922.1	923.1	924.1	925.1	925.0
170°	929.7	929.3	929.3	929.3	929.3	929.3	930.4	931.3	932.4	933.3	933.2
172.5°	935.6	935.3	935.3	935.3	935.3	935.3	936.2	937.3	938.2	939.2	939.2
175°	942.3	941.9	941.9	941.9	941.9	941.9	942.9	943.9	944.9	945.8	945.7
177.5°	946.1	945.8	945.7	945.6	945.5	945.3	946.1	946.9	947.6	948.5	948.4
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333533-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A1

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	13.4
92.5°	33.7	34.0	34.4	34.8	34.4	34.0	33.7	33.4	32.6	31.6	30.4
95°	62.4	62.8	63.1	63.3	63.1	62.8	62.4	62.1	61.4	60.2	59.0
97.5°	95.5	95.7	96.0	96.1	96.0	95.7	95.5	95.3	94.7	93.6	92.6
100°	119.9	120.2	120.6	120.8	120.6	120.2	119.9	119.6	118.7	117.2	115.7
102.5°	144.3	144.7	145.2	145.6	145.2	144.7	144.3	143.8	142.8	141.2	139.6
105°	181.3	181.8	182.3	182.8	182.3	181.8	181.3	180.8	180.1	179.1	178.1
107.5°	220.9	220.8	220.8	220.8	220.8	220.8	220.9	220.9	220.7	220.2	219.7
110°	249.6	249.4	249.3	249.1	249.3	249.4	249.6	249.8	249.6	249.1	248.6



TEST NUMBER: P333533-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	277.7	277.4	277.1	276.8	277.1	277.4	277.7	278.1	278.1	277.8	277.6
115°	321.1	320.9	320.7	320.7	320.7	320.9	321.1	321.2	321.4	321.6	321.8
117.5°	365.3	364.7	364.0	363.4	364.0	364.7	365.3	366.0	366.3	366.1	366.0
120°	394.8	394.2	393.5	392.9	393.5	394.2	394.8	395.5	395.8	395.8	395.8
122.5°	423.9	423.4	422.8	422.4	422.8	423.4	423.9	424.4	424.7	424.9	425.0
125°	467.0	466.8	466.7	466.6	466.7	466.8	467.0	467.2	467.4	467.8	468.1
127.5°	510.0	509.6	509.3	509.0	509.3	509.6	510.0	510.3	510.6	510.7	510.9
130°	538.3	537.9	537.6	537.2	537.6	537.9	538.3	538.6	538.9	539.0	539.1
132.5°	565.2	564.8	564.3	563.8	564.3	564.8	565.2	565.6	566.0	566.1	566.3
135°	607.1	606.4	605.8	605.1	605.8	606.4	607.1	607.8	608.0	608.0	608.0
137.5°	647.9	647.1	646.3	645.5	646.3	647.1	647.9	648.8	649.0	648.8	648.7
140°	673.9	673.1	672.2	671.5	672.2	673.1	673.9	674.7	675.0	674.6	674.3
142.5°	698.6	697.9	697.0	696.2	697.0	697.9	698.6	699.5	699.7	699.6	699.4
145°	734.8	734.3	733.9	733.3	733.9	734.3	734.8	735.3	735.6	735.6	735.6
147.5°	768.4	767.2	766.2	765.1	766.2	767.2	768.4	769.5	769.9	769.5	769.0
150°	789.6	789.3	788.9	788.6	788.9	789.3	789.6	789.9	790.1	790.1	790.1
152.5°	809.8	809.3	808.7	808.0	808.7	809.3	809.8	810.4	810.5	810.1	809.7
155°	838.2	837.4	836.6	835.8	836.6	837.4	838.2	839.1	839.1	838.5	837.8
157.5°	862.1	861.1	860.0	858.9	860.0	861.1	862.1	863.3	863.5	862.8	862.1
160°	877.3	876.5	875.6	874.9	875.6	876.5	877.3	878.2	878.2	877.5	876.9
162.5°	891.3	890.3	889.4	888.4	889.4	890.3	891.3	892.2	892.3	891.6	890.7
165°	909.5	908.5	907.5	906.5	907.5	908.5	909.5	910.5	910.6	910.0	909.4
167.5°	924.1	923.0	922.0	921.0	922.0	923.0	924.1	925.0	925.1	924.1	923.1
170°	932.1	930.9	929.8	928.7	929.8	930.9	932.1	933.2	933.3	932.4	931.3
172.5°	938.2	937.2	936.1	935.1	936.1	937.2	938.2	939.2	939.2	938.2	937.3
175°	944.6	943.5	942.4	941.2	942.4	943.5	944.6	945.7	945.8	944.9	943.9
177.5°	947.4	946.6	945.7	944.7	945.7	946.6	947.4	948.4	948.5	947.6	946.9
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333533-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A1

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°	29.4	28.3	26.9	25.4	24.0	22.6	21.5	20.5	19.7	18.8	17.8
95°	57.9	56.7	55.1	53.4	51.8	50.2	49.2	48.9	48.5	48.3	47.9
97.5°	91.4	90.4	88.1	85.9	83.6	81.3	80.1	80.0	79.8	79.7	79.6
100°	114.2	112.7	110.7	108.5	106.4	104.2	103.2	103.2	103.2	103.2	103.2
102.5°	138.0	136.4	135.3	134.2	133.1	132.1	131.2	130.5	129.9	129.2	128.6
105°	177.1	176.2	175.1	174.2	173.2	172.2	171.4	170.5	169.7	168.9	168.1
107.5°	219.2	218.8	218.0	217.3	216.5	215.7	215.0	214.1	213.3	212.4	211.7
110°	248.2	247.6	247.1	246.7	246.2	245.7	245.1	244.2	243.4	242.6	241.8



TEST NUMBER: P333533-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	277.4	277.1	276.5	275.9	275.2	274.7	274.1	273.7	273.2	272.9	272.4
115°	321.9	322.1	321.8	321.4	321.1	320.7	320.3	319.6	319.0	318.3	317.6
117.5°	365.8	365.7	365.4	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.1
120°	395.8	395.8	395.6	395.5	395.3	395.1	394.6	393.8	393.0	392.2	391.3
122.5°	425.1	425.3	424.8	424.4	424.0	423.6	423.2	422.9	422.6	422.4	422.0
125°	468.4	468.7	468.5	468.4	468.3	468.1	467.5	466.6	465.5	464.6	463.5
127.5°	511.0	511.2	511.0	510.8	510.6	510.4	510.0	509.4	508.9	508.4	507.8
130°	539.3	539.5	539.1	538.9	538.5	538.2	537.6	536.8	536.0	535.2	534.3
132.5°	566.5	566.7	566.7	566.8	566.8	566.8	566.3	564.9	563.5	562.2	560.9
135°	608.0	608.0	607.8	607.8	607.6	607.4	606.8	605.9	604.8	603.9	602.9
137.5°	648.5	648.3	647.9	647.5	647.2	646.9	646.2	645.3	644.3	643.4	642.4
140°	674.0	673.6	673.2	672.7	672.1	671.7	671.0	670.2	669.4	668.5	667.8
142.5°	699.2	699.0	698.3	697.8	697.1	696.5	695.9	695.1	694.5	693.8	693.1
145°	735.6	735.6	735.1	734.5	734.1	733.6	733.0	732.4	731.7	731.0	730.4
147.5°	768.6	768.3	767.9	767.5	767.1	766.7	766.3	766.0	765.6	765.3	764.9
150°	790.1	790.1	789.5	788.8	788.2	787.5	787.2	787.4	787.6	787.7	787.9
152.5°	809.4	809.0	808.7	808.4	808.1	807.9	807.7	807.5	807.2	807.0	806.7
155°	837.2	836.5	836.3	836.2	836.0	835.8	835.8	835.8	835.8	835.8	835.8
157.5°	861.5	860.8	860.6	860.5	860.4	860.2	860.3	860.6	861.0	861.4	861.8
160°	876.3	875.6	875.4	875.2	875.1	875.0	875.1	875.6	876.1	876.6	877.0
162.5°	889.9	889.2	889.1	889.1	889.0	889.0	889.2	889.6	889.9	890.2	890.6
165°	908.7	908.0	907.9	907.7	907.5	907.4	907.5	907.8	908.1	908.4	908.8
167.5°	922.1	921.1	921.1	921.1	921.1	921.1	921.4	922.1	922.7	923.4	924.1
170°	930.4	929.3	929.3	929.3	929.3	929.3	929.7	930.4	931.0	931.7	932.4
172.5°	936.2	935.3	935.3	935.3	935.3	935.3	935.6	936.2	936.9	937.5	938.2
175°	942.9	941.9	941.9	941.9	941.9	941.9	942.3	942.9	943.6	944.2	944.9
177.5°	946.1	945.3	945.5	945.6	945.7	945.8	946.1	946.7	947.3	947.7	948.3
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



TEST NUMBER: P333533-830

CATALOG NUMBER: S125RDIP-S610D810U830-4F0-1E-UDD-A1

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	13.4
92.5°	18.8	19.7	20.5	21.5	22.6	24.0	25.4	26.9	28.3	29.4	30.4
95°	48.3	48.5	48.9	49.2	50.2	51.8	53.4	55.1	56.7	57.9	59.0
97.5°	79.7	79.8	80.0	80.1	81.3	83.6	85.9	88.1	90.4	91.4	92.6
100°	103.2	103.2	103.2	103.2	104.2	106.4	108.5	110.7	112.7	114.2	115.7
102.5°	129.2	129.9	130.5	131.2	132.1	133.1	134.2	135.3	136.4	138.0	139.6
105°	168.9	169.7	170.5	171.4	172.2	173.2	174.2	175.1	176.2	177.1	178.1
107.5°	212.4	213.3	214.1	215.0	215.7	216.5	217.3	218.0	218.8	219.2	219.7
110°	242.6	243.4	244.2	245.1	245.7	246.2	246.7	247.1	247.6	248.2	248.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.9	273.2	273.7	274.1	274.7	275.2	275.9	276.5	277.1	277.4	277.6
115°	318.3	319.0	319.6	320.3	320.7	321.1	321.4	321.8	322.1	321.9	321.8
117.5°	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.4	365.7	365.8	366.0
120°	392.2	393.0	393.8	394.6	395.1	395.3	395.5	395.6	395.8	395.8	395.8
122.5°	422.4	422.6	422.9	423.2	423.6	424.0	424.4	424.8	425.3	425.1	425.0
125°	464.6	465.5	466.6	467.5	468.1	468.3	468.4	468.5	468.7	468.4	468.1
127.5°	508.4	508.9	509.4	510.0	510.4	510.6	510.8	511.0	511.2	511.0	510.9
130°	535.2	536.0	536.8	537.6	538.2	538.5	538.9	539.1	539.5	539.3	539.1
132.5°	562.2	563.5	564.9	566.3	566.8	566.8	566.8	566.7	566.7	566.5	566.3
135°	603.9	604.8	605.9	606.8	607.4	607.6	607.8	607.8	608.0	608.0	608.0
137.5°	643.4	644.3	645.3	646.2	646.9	647.2	647.5	647.9	648.3	648.5	648.7
140°	668.5	669.4	670.2	671.0	671.7	672.1	672.7	673.2	673.6	674.0	674.3
142.5°	693.8	694.5	695.1	695.9	696.5	697.1	697.8	698.3	699.0	699.2	699.4
145°	731.0	731.7	732.4	733.0	733.6	734.1	734.5	735.1	735.6	735.6	735.6
147.5°	765.3	765.6	766.0	766.3	766.7	767.1	767.5	767.9	768.3	768.6	769.0
150°	787.7	787.6	787.4	787.2	787.5	788.2	788.8	789.5	790.1	790.1	790.1
152.5°	807.0	807.2	807.5	807.7	807.9	808.1	808.4	808.7	809.0	809.4	809.7
155°	835.8	835.8	835.8	835.8	835.8	836.0	836.2	836.3	836.5	837.2	837.8
157.5°	861.4	861.0	860.6	860.3	860.2	860.4	860.5	860.6	860.8	861.5	862.1
160°	876.6	876.1	875.6	875.1	875.0	875.1	875.2	875.4	875.6	876.3	876.9
162.5°	890.2	889.9	889.6	889.2	889.0	889.0	889.1	889.1	889.2	889.9	890.7
165°	908.4	908.1	907.8	907.5	907.4	907.5	907.7	907.9	908.0	908.7	909.4
167.5°	923.4	922.7	922.1	921.4	921.1	921.1	921.1	921.1	921.1	922.1	923.1
170°	931.7	931.0	930.4	929.7	929.3	929.3	929.3	929.3	929.3	930.4	931.3
172.5°	937.5	936.9	936.2	935.6	935.3	935.3	935.3	935.3	935.3	936.2	937.3
175°	944.2	943.6	942.9	942.3	941.9	941.9	941.9	941.9	941.9	942.9	943.9
177.5°	947.7	947.3	946.7	946.1	945.8	945.7	945.6	945.5	945.3	946.1	946.9
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1



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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°	31.6	32.6	33.4	33.7	34.0	34.4	34.8
95°	60.2	61.4	62.1	62.4	62.8	63.1	63.3
97.5°	93.6	94.7	95.3	95.5	95.7	96.0	96.1
100°	117.2	118.7	119.6	119.9	120.2	120.6	120.8
102.5°	141.2	142.8	143.8	144.3	144.7	145.2	145.6
105°	179.1	180.1	180.8	181.3	181.8	182.3	182.8
107.5°	220.2	220.7	220.9	220.9	220.8	220.8	220.8
110°	249.1	249.6	249.8	249.6	249.4	249.3	249.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	277.8	278.1	278.1	277.7	277.4	277.1	276.8
115°	321.6	321.4	321.2	321.1	320.9	320.7	320.7
117.5°	366.1	366.3	366.0	365.3	364.7	364.0	363.4
120°	395.8	395.8	395.5	394.8	394.2	393.5	392.9
122.5°	424.9	424.7	424.4	423.9	423.4	422.8	422.4
125°	467.8	467.4	467.2	467.0	466.8	466.7	466.6
127.5°	510.7	510.6	510.3	510.0	509.6	509.3	509.0
130°	539.0	538.9	538.6	538.3	537.9	537.6	537.2
132.5°	566.1	566.0	565.6	565.2	564.8	564.3	563.8
135°	608.0	608.0	607.8	607.1	606.4	605.8	605.1
137.5°	648.8	649.0	648.8	647.9	647.1	646.3	645.5
140°	674.6	675.0	674.7	673.9	673.1	672.2	671.5
142.5°	699.6	699.7	699.5	698.6	697.9	697.0	696.2
145°	735.6	735.6	735.3	734.8	734.3	733.9	733.3
147.5°	769.5	769.9	769.5	768.4	767.2	766.2	765.1
150°	790.1	790.1	789.9	789.6	789.3	788.9	788.6
152.5°	810.1	810.5	810.4	809.8	809.3	808.7	808.0
155°	838.5	839.1	839.1	838.2	837.4	836.6	835.8
157.5°	862.8	863.5	863.3	862.1	861.1	860.0	858.9
160°	877.5	878.2	878.2	877.3	876.5	875.6	874.9
162.5°	891.6	892.3	892.2	891.3	890.3	889.4	888.4
165°	910.0	910.6	910.5	909.5	908.5	907.5	906.5
167.5°	924.1	925.1	925.0	924.1	923.0	922.0	921.0
170°	932.4	933.3	933.2	932.1	930.9	929.8	928.7
172.5°	938.2	939.2	939.2	938.2	937.2	936.1	935.1
175°	944.9	945.8	945.7	944.6	943.5	942.4	941.2
177.5°	947.6	948.5	948.4	947.4	946.6	945.7	944.7
180°	947.1	947.1	947.1	947.1	947.1	947.1	947.1

(END OF REPORT)