

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: P333534-840

Luminaire Tested: **S125RDIP-S610D810U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333534-840
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-S610D810U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5360.3 lumens
Efficiency: N/A
Efficacy: 139.6 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

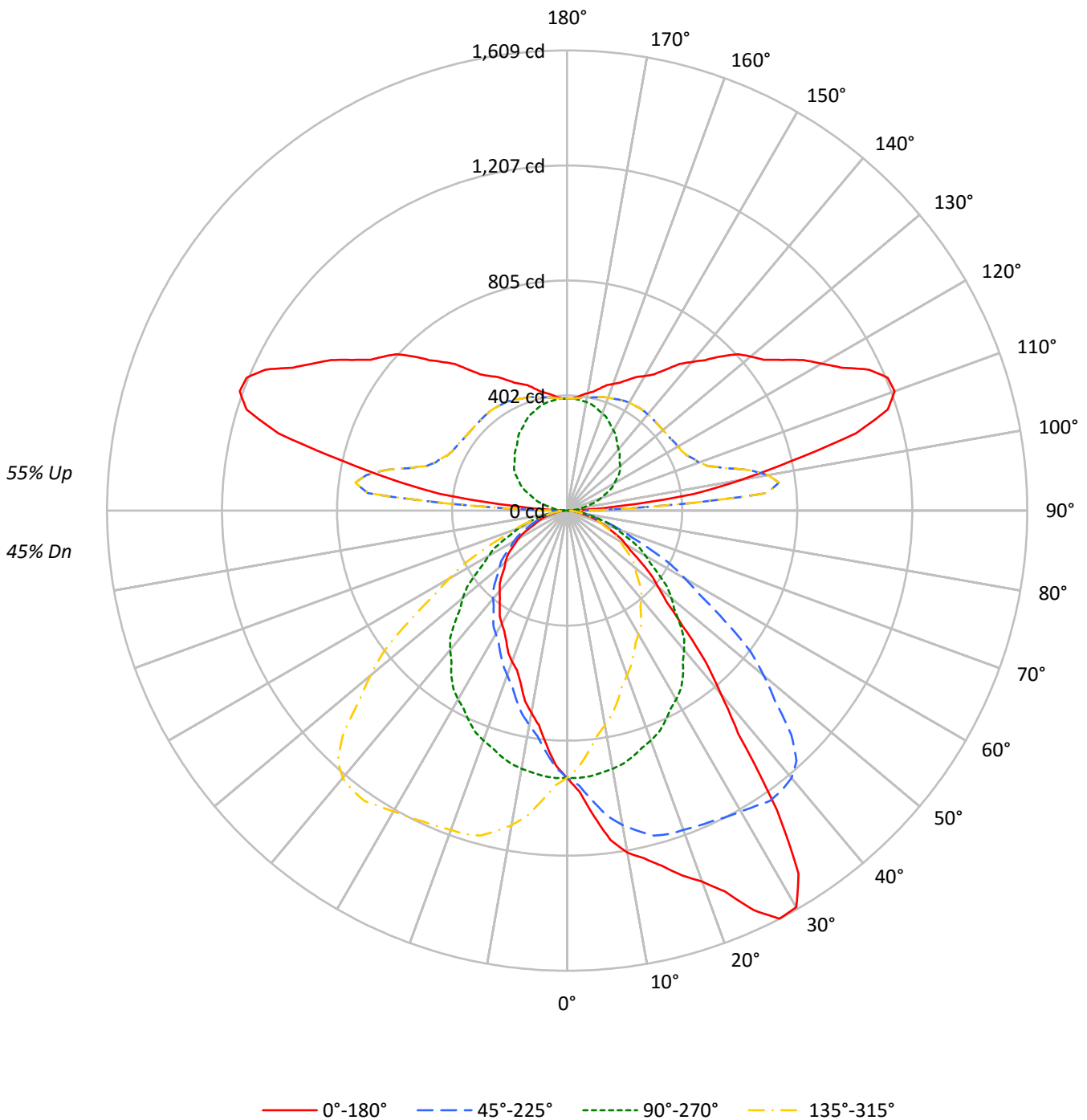
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	39	38	33
3	81	72	65	59	74	66	60	55	56	51	47	46	43	40	37	35	33	28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	25
5	68	57	49	43	62	53	46	41	45	39	35	37	33	30	30	27	25	22
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	24	30	25	22	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	19	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6035	6035	6035	6035
5°	6944	6043	5337	6043
10°	7965	6013	4709	6013
15°	8603	5951	4186	5951
20°	9487	5880	3865	5880
25°	10979	5784	3587	5784
30°	11946	5684	3404	5684
35°	10078	5568	3236	5568
40°	7038	5359	3092	5359
45°	5221	5076	2951	5076
50°	4163	4784	2829	4784
55°	3533	4418	2721	4418
60°	3052	4093	2547	4093
65°	2720	3741	2193	3741
70°	2391	3427	1998	3427
75°	2069	2969	1876	2969
80°	1570	2499	1570	2499
85°	1312	1964	1482	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	1.7
10°-20°	262.6	4.9
20°-30°	416.4	7.8
30°-40°	502.1	9.4
40°-50°	448.4	8.4
50°-60°	343.9	6.4
60°-70°	223.5	4.2
70°-80°	108.6	2.0
80°-90°	28.1	0.5
90°-100°	283.9	5.3
100°-110°	610.3	11.4
110°-120°	572.7	10.7
120°-130°	464.2	8.7
130°-140°	372.5	6.9
140°-150°	281.1	5.2
150°-160°	197.9	3.7
160°-170°	116.6	2.2
170°-180°	37.9	0.7
0°-30°	768.6	14.3
0°-40°	1270.8	23.7
0°-60°	2063.1	38.5
0°-90°	2423.3	45.2
90°-120°	1466.9	27.4
90°-150°	2584.6	48.2
90°-180°	2937.0	54.8
0°-180°	5360.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	1071	932	823	932	1071	107
15°	1287	890	626	890	1287	369
25°	1541	812	503	812	1541	707
35°	1278	706	410	706	1278	772
45°	572	556	323	556	572	456
55°	314	392	242	392	314	285
65°	178	245	144	245	178	177
75°	83	119	75	119	83	88
85°	18	26	20	26	18	21
90°	18	1	18	1	18	13
95°	186	26	186	26	186	263
105°	1046	89	1046	89	1046	1040
115°	1166	160	1166	160	1166	1139
125°	918	221	918	221	918	831
135°	763	259	763	259	763	591
145°	602	302	602	302	602	382
155°	504	344	504	344	504	235
165°	442	376	442	376	442	126
175°	397	391	397	391	397	39
180°	392	392	392	392	392	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	983.0	982.4	983.6	980.2	980.6	975.3	975.3	971.3	966.1	962.1	960.3
5°	1071.1	1071.9	1070.3	1064.5	1060.7	1054.9	1048.4	1036.9	1027.3	1018.1	1010.9
7.5°	1161.7	1162.3	1157.2	1155.5	1145.8	1138.7	1124.3	1108.6	1094.7	1077.0	1063.6
10°	1214.6	1214.2	1208.8	1204.6	1196.1	1185.4	1171.1	1152.8	1135.5	1116.3	1097.9
12.5°	1245.3	1244.3	1242.5	1237.4	1229.6	1220.0	1208.0	1189.9	1168.6	1147.6	1126.2
15°	1286.7	1283.9	1279.0	1272.4	1261.3	1250.2	1236.8	1220.7	1200.3	1176.6	1156.6
17.5°	1337.9	1338.0	1330.3	1321.3	1306.2	1286.5	1265.8	1239.8	1212.1	1186.0	1164.8
20°	1380.3	1379.1	1371.4	1353.8	1336.6	1312.0	1288.2	1256.4	1222.6	1188.4	1162.0
22.5°	1441.0	1438.0	1430.1	1406.8	1380.1	1348.5	1312.1	1273.2	1232.4	1193.7	1158.9
25°	1540.7	1538.3	1522.6	1495.7	1458.1	1409.4	1361.8	1308.5	1249.8	1198.8	1156.6
27.5°	1608.7	1606.2	1594.6	1572.3	1537.5	1486.3	1421.9	1350.7	1277.4	1207.2	1146.3
30°	1601.9	1607.7	1606.2	1595.9	1569.7	1523.7	1464.3	1384.1	1297.0	1214.6	1142.1
32.5°	1505.6	1510.8	1524.3	1544.6	1546.1	1527.7	1483.3	1409.3	1319.1	1225.3	1138.6
35°	1278.2	1285.2	1311.2	1352.2	1405.9	1450.9	1460.1	1420.2	1339.2	1238.3	1133.6
37.5°	982.7	1020.5	1042.4	1085.6	1166.7	1249.3	1328.7	1358.0	1323.5	1232.9	1125.4
40°	834.8	843.9	883.1	931.8	1000.1	1086.0	1199.2	1280.9	1283.5	1220.7	1112.5
42.5°	714.5	726.1	753.0	791.8	850.3	936.2	1053.1	1160.9	1210.8	1186.9	1095.6
45°	571.6	580.4	600.0	629.9	674.8	745.8	846.3	971.0	1070.0	1108.6	1050.4
47.5°	469.6	474.3	491.3	514.1	547.3	599.1	676.8	785.1	903.8	987.0	978.9
50°	414.3	419.7	432.7	450.0	478.0	521.7	583.9	674.0	796.4	898.1	918.4
52.5°	371.3	375.8	384.0	400.3	423.3	457.0	507.2	588.8	698.8	806.9	853.9
55°	313.8	316.9	323.4	332.5	351.0	375.2	418.5	474.9	563.9	672.9	741.9
57.5°	266.4	267.9	272.1	280.5	293.3	310.9	342.2	390.1	453.9	552.0	628.2
60°	236.3	237.8	243.2	248.9	258.9	275.1	299.6	333.0	394.4	475.3	552.4
62.5°	212.4	213.3	215.6	221.4	230.0	242.6	261.9	289.1	337.9	409.0	481.8
65°	178.0	178.3	179.2	183.8	189.1	198.3	211.0	230.1	267.0	320.7	385.2
67.5°	145.0	145.5	148.2	149.9	155.4	160.3	167.7	182.4	208.3	244.5	294.6
70°	126.6	126.2	128.9	130.8	132.7	138.5	143.5	155.3	171.5	199.1	241.0
72.5°	109.4	108.5	109.6	110.3	112.8	116.7	121.7	129.0	141.4	160.5	192.4
75°	82.9	83.2	83.2	84.0	85.9	87.5	89.0	92.8	99.8	112.4	129.7
77.5°	58.2	57.6	59.2	59.4	60.5	62.2	63.5	65.0	67.9	73.1	82.0
80°	42.2	42.2	42.6	43.7	43.3	44.1	46.0	47.6	51.0	54.1	57.2
82.5°	32.4	32.1	32.4	32.7	32.6	33.3	34.0	34.3	35.6	37.2	39.4
85°	17.7	17.7	18.1	18.1	18.4	18.4	18.8	18.8	18.8	19.2	19.6
87.5°	10.4	10.1	9.6	9.6	9.9	10.2	9.8	9.3	9.1	9.0	9.0
90°	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2	13.4	12.6	11.0
92.5°	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0	206.1	254.6	258.6
95°	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7	684.6	699.6	570.9
97.5°	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6	866.2	747.1	509.8
100°	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2	910.4	713.1	454.8
102.5°	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5	883.9	653.0	413.1
105°	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6	799.1	572.5	372.7
107.5°	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5	712.6	517.1	355.7
110°	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8	663.3	491.1	350.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0	626.6	475.9	350.6
115°	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0	586.6	459.6	352.9
117.5°	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0	562.8	451.5	358.2
120°	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2	549.6	447.7	363.2
122.5°	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2	538.2	444.5	367.6
125°	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4	522.7	440.6	375.1
127.5°	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1	508.5	438.7	383.4
130°	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3	499.1	437.5	388.5
132.5°	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5	491.5	437.5	394.2
135°	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0	482.4	437.5	401.9
137.5°	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6	474.4	438.4	409.0
140°	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1	470.6	439.0	412.1
142.5°	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0	467.5	439.7	414.0
145°	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2	462.7	439.0	416.2
147.5°	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1	457.8	437.0	416.9
150°	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4	454.0	435.0	416.9
152.5°	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0	449.6	432.5	416.3
155°	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7	442.2	428.0	414.5
157.5°	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2	435.3	423.2	412.5
160°	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8	429.6	420.1	410.6
162.5°	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8	424.4	416.3	408.7
165°	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2	416.9	410.6	405.9
167.5°	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0	409.5	405.1	401.4
170°	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0	405.1	401.9	399.5
172.5°	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3	400.6	398.1	397.0
175°	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2	394.8	394.0	394.0
177.5°	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9	392.2	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	960.3	958.2	954.1	950.5	945.8	941.9	939.1	935.7	931.4	926.2	921.9
5°	1002.8	994.3	983.2	973.6	961.4	951.8	941.8	932.2	922.6	910.3	899.6
7.5°	1049.9	1032.5	1015.5	994.2	974.8	957.6	941.0	924.2	907.8	890.4	873.5
10°	1078.7	1057.6	1034.2	1007.3	982.8	959.5	938.0	916.9	894.6	875.0	853.9
12.5°	1105.7	1078.5	1051.8	1017.8	988.4	959.8	932.4	906.2	882.3	857.0	834.2
15°	1130.1	1103.3	1073.4	1032.0	990.9	956.3	924.1	890.0	860.5	832.0	806.8
17.5°	1139.5	1111.5	1076.6	1036.8	992.0	948.6	907.1	869.6	834.9	801.7	773.3
20°	1135.9	1108.6	1073.0	1035.0	987.0	941.8	896.9	855.5	816.7	781.8	751.5
22.5°	1127.0	1098.8	1064.4	1024.3	978.8	930.7	882.8	838.6	798.0	761.8	728.8
25°	1113.7	1075.3	1040.0	1000.9	957.6	910.0	860.5	811.7	768.4	731.5	695.5
27.5°	1099.7	1051.9	1007.0	968.1	922.3	879.9	832.1	782.2	736.6	699.1	662.2
30°	1087.2	1033.5	984.0	939.9	896.6	856.3	810.9	762.2	715.5	676.7	639.1
32.5°	1071.6	1014.4	960.1	909.2	867.4	827.4	786.4	739.8	694.3	654.3	616.1
35°	1051.9	979.0	919.9	865.9	819.4	780.6	743.9	706.2	660.6	619.1	582.0
37.5°	1026.1	943.4	875.0	816.1	767.2	728.2	699.2	664.8	623.2	583.5	549.0
40°	1010.5	917.7	842.8	784.5	733.1	692.1	664.8	635.6	597.6	560.5	525.9
42.5°	989.6	894.0	810.3	749.5	697.8	658.3	630.8	605.3	573.4	538.4	501.4
45°	948.7	848.2	760.3	695.1	643.0	604.2	578.5	555.8	531.7	499.5	467.3
47.5°	895.4	800.4	708.4	637.2	586.1	550.2	525.2	507.4	490.1	462.7	431.4
50°	852.8	761.1	671.4	602.3	547.9	513.6	490.3	476.1	460.3	435.5	409.3
52.5°	802.4	720.6	632.7	562.1	510.7	478.7	456.2	442.0	429.0	408.7	383.8
55°	723.2	651.4	570.8	506.8	459.6	427.4	405.9	392.4	384.8	367.5	347.9
57.5°	631.6	580.2	509.2	447.4	405.7	373.8	358.1	346.7	338.0	325.8	311.9
60°	567.7	531.7	468.0	409.3	370.9	340.6	326.5	316.9	308.8	298.4	287.7
62.5°	503.0	476.8	421.4	370.9	335.7	310.2	297.0	288.3	279.0	272.1	261.7
65°	416.3	392.8	354.5	315.0	282.4	262.1	252.5	244.8	239.0	231.4	224.0
67.5°	323.8	314.3	287.8	260.5	237.1	219.0	210.8	205.4	198.4	193.9	188.8
70°	267.0	262.4	243.6	225.6	203.7	191.5	183.8	181.5	173.0	168.4	164.9
72.5°	216.7	214.5	203.7	191.2	175.8	165.0	157.9	155.3	150.0	146.3	144.1
75°	148.5	149.3	147.3	139.3	133.5	126.6	120.5	119.0	115.1	112.0	110.1
77.5°	93.9	97.9	98.0	97.6	95.3	91.1	88.6	87.4	83.6	82.5	82.0
80°	64.4	68.7	72.5	72.1	71.4	70.2	68.3	67.2	65.2	64.0	63.3
82.5°	42.9	46.9	50.1	52.2	52.0	50.9	49.6	49.0	48.7	47.8	47.7
85°	20.3	21.1	22.2	24.9	26.9	27.3	26.9	26.5	25.3	25.8	26.1
87.5°	9.1	8.8	9.0	8.6	8.0	9.2	9.8	10.0	9.5	9.2	8.9
90°	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6	11.7	18.3	28.1
95°	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1	26.9	33.1	41.8
97.5°	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2	44.2	48.7	57.4
100°	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2	56.9	60.0	68.7
102.5°	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6	69.5	72.0	81.3
105°	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3	89.3	93.2	101.1
107.5°	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5	111.0	114.8	121.3
110°	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0	125.5	128.7	135.8



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5	140.1	142.6	149.7
115°	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5	161.1	163.5	170.6
117.5°	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4	180.9	183.4	190.5
120°	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1	193.5	196.6	203.7
122.5°	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4	206.1	208.6	215.7
125°	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1	222.7	226.6	233.7
127.5°	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2	236.6	241.7	250.6
130°	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4	244.8	251.1	261.4
132.5°	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7	251.8	259.3	270.8
135°	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0	262.2	271.7	284.3
137.5°	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0	274.3	283.2	295.8
140°	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5	281.9	291.3	304.0
142.5°	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3	290.1	298.9	311.5
145°	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6	303.2	311.1	322.1
147.5°	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5	316.5	323.3	333.6
150°	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8	325.3	330.8	341.1
152.5°	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5	333.6	338.4	347.4
155°	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3	344.3	349.0	356.9
157.5°	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7	354.6	358.3	365.1
160°	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6	360.8	364.1	369.5
162.5°	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3	366.6	369.7	374.6
165°	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9	374.3	376.7	380.6
167.5°	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5	380.7	382.1	384.4
170°	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4	384.6	385.4	386.9
172.5°	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9	386.5	387.2	388.8
175°	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8	389.3	390.1	390.8
177.5°	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2	391.0	391.0	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	918.9	914.5	911.5	905.3	901.0	899.2	895.9	894.9	898.3	895.9	895.5
5°	891.5	880.4	871.6	862.7	853.1	847.1	837.8	836.3	833.9	830.5	829.8
7.5°	858.8	844.2	832.9	818.3	805.7	795.5	784.0	778.5	775.5	771.0	765.1
10°	836.7	819.4	804.1	789.5	773.8	761.1	749.6	740.7	735.0	729.6	727.3
12.5°	814.9	797.3	777.7	760.0	742.5	728.2	715.5	709.7	703.4	697.1	691.8
15°	781.0	757.6	736.2	715.8	700.8	685.5	673.3	664.8	655.2	652.6	642.2
17.5°	745.2	722.2	697.0	675.6	658.3	641.4	627.9	618.3	611.1	601.2	596.4
20°	722.8	695.5	671.0	651.4	632.2	612.3	598.4	590.4	583.5	575.4	571.6
22.5°	698.8	672.2	647.0	624.1	604.6	584.9	575.1	566.7	559.0	551.5	546.4
25°	663.7	636.8	610.4	586.5	566.2	552.0	540.5	530.9	526.7	519.4	514.0
27.5°	628.9	600.4	572.9	549.2	533.2	519.2	509.8	502.2	494.5	488.2	483.5
30°	606.5	577.3	547.4	528.7	511.7	498.4	488.0	480.7	474.9	469.2	465.7
32.5°	584.1	554.0	527.5	507.2	491.2	479.6	469.0	461.9	455.9	449.5	445.5
35°	548.2	517.5	496.0	476.1	460.3	449.6	442.3	432.3	427.4	422.7	418.5
37.5°	514.8	486.3	463.0	445.6	431.9	421.2	411.8	406.4	400.3	396.2	392.6
40°	490.3	464.1	443.1	424.6	414.7	402.8	393.9	387.1	382.4	377.1	373.2
42.5°	468.2	443.9	423.4	406.9	394.5	384.4	375.9	369.0	363.1	359.3	356.1
45°	437.0	412.7	392.8	377.5	366.0	356.4	347.6	344.1	336.4	331.8	330.3
47.5°	404.7	383.0	363.8	349.6	337.8	328.7	320.4	313.5	309.2	304.7	302.3
50°	382.8	362.1	344.1	330.3	318.8	308.8	301.1	296.5	290.7	286.6	283.5
52.5°	361.0	341.8	323.9	310.6	300.6	290.7	282.2	277.5	272.1	269.3	267.2
55°	329.9	309.6	294.3	281.1	270.8	261.7	253.6	248.9	245.5	242.9	242.1
57.5°	294.6	278.5	264.3	252.5	241.8	233.1	226.0	221.7	218.6	218.2	215.9
60°	271.6	257.0	244.0	231.4	222.1	214.1	207.9	203.0	199.9	199.4	198.7
62.5°	248.6	234.6	222.5	211.4	203.1	195.3	189.6	183.9	182.1	180.2	178.4
65°	214.4	201.8	191.8	183.0	174.2	167.6	161.9	158.4	154.2	151.9	147.7
67.5°	180.9	171.1	161.5	154.1	147.1	141.0	136.2	131.1	128.3	126.3	123.3
70°	158.9	151.2	141.6	133.5	128.2	123.1	119.3	113.5	111.6	110.1	108.6
72.5°	137.9	131.2	123.1	116.6	111.3	106.5	102.1	99.5	97.6	95.9	95.0
75°	108.6	102.0	95.1	90.5	86.7	82.9	80.6	78.7	77.9	77.5	75.9
77.5°	79.7	76.2	70.7	67.1	64.5	63.0	60.9	59.9	59.9	58.2	57.7
80°	61.0	59.1	54.4	52.9	51.0	49.5	48.4	46.5	44.5	43.7	42.6
82.5°	45.3	43.4	41.6	39.1	37.6	36.6	35.4	34.7	34.9	33.9	33.3
85°	24.1	22.2	21.5	21.1	20.3	21.1	20.7	20.3	20.0	19.6	20.0
87.5°	8.9	9.3	9.1	10.0	9.3	9.9	10.1	9.9	10.1	10.2	10.2
90°	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2	15.0	15.8	17.4
92.5°	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0	101.6	76.4	64.7
95°	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7	447.7	350.6	284.3
97.5°	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6	761.3	666.7	574.5
100°	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2	932.5	851.2	769.1
102.5°	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5	1037.4	998.4	942.8
105°	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6	1096.8	1131.6	1122.9
107.5°	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5	1043.9	1133.1	1174.3
110°	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8	983.8	1095.2	1162.3



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0	924.4	1037.0	1116.2
115°	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0	839.4	947.6	1033.6
117.5°	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0	780.4	873.6	952.6
120°	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2	747.0	833.8	903.3
122.5°	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2	723.0	800.3	865.5
125°	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4	690.9	759.6	816.5
127.5°	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1	660.2	724.4	777.6
130°	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3	638.8	700.3	751.7
132.5°	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5	618.5	674.5	723.9
135°	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0	587.4	638.0	683.0
137.5°	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6	559.7	601.7	639.9
140°	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1	543.2	579.6	612.7
142.5°	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0	529.4	560.6	589.4
145°	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2	511.7	536.1	557.4
147.5°	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1	497.0	515.7	531.9
150°	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4	488.8	503.7	518.0
152.5°	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0	480.6	494.3	505.3
155°	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7	468.3	479.3	488.0
157.5°	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2	456.6	465.0	471.9
160°	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8	447.7	455.7	461.1
162.5°	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8	440.1	446.8	451.6
165°	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2	428.8	433.5	437.5
167.5°	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0	417.7	421.3	424.1
170°	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0	411.4	413.7	415.4
172.5°	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3	405.7	407.5	408.4
175°	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2	397.2	398.8	398.8
177.5°	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9	393.5	393.5	393.5
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.2	891.8	890.9	892.1	890.9	891.8	895.2	895.5	895.9	898.3	894.9
5°	826.0	822.1	824.0	823.2	824.0	822.1	826.0	829.8	830.5	833.9	836.3
7.5°	765.0	760.2	755.2	756.8	755.2	760.2	765.0	765.1	771.0	775.5	778.5
10°	722.4	718.5	716.2	718.1	716.2	718.5	722.4	727.3	729.6	735.0	740.7
12.5°	686.4	684.2	682.2	681.4	682.2	684.2	686.4	691.8	697.1	703.4	709.7
15°	637.5	633.0	631.1	626.1	631.1	633.0	637.5	642.2	652.6	655.2	664.8
17.5°	592.5	591.0	586.0	583.9	586.0	591.0	592.5	596.4	601.2	611.1	618.3
20°	565.8	564.3	559.4	562.4	559.4	564.3	565.8	571.6	575.4	583.5	590.4
22.5°	543.7	540.4	538.8	537.9	538.8	540.4	543.7	546.4	551.5	559.0	566.7
25°	512.5	507.6	505.6	503.3	505.6	507.6	512.5	514.0	519.4	526.7	530.9
27.5°	481.4	478.7	476.2	475.5	476.2	478.7	481.4	483.5	488.2	494.5	502.2
30°	461.1	458.4	456.5	456.5	456.5	458.4	461.1	465.7	469.2	474.9	480.7
32.5°	443.0	440.9	439.0	438.7	439.0	440.9	443.0	445.5	449.5	455.9	461.9
35°	416.6	413.5	412.7	410.5	412.7	413.5	416.6	418.5	422.7	427.4	432.3
37.5°	389.2	386.7	386.6	386.4	386.6	386.7	389.2	392.6	396.2	400.3	406.4
40°	371.7	369.8	369.4	366.8	369.4	369.8	371.7	373.2	377.1	382.4	387.1
42.5°	353.0	352.0	350.7	349.5	350.7	352.0	353.0	356.1	359.3	363.1	369.0
45°	327.6	325.0	325.0	323.1	325.0	325.0	327.6	330.3	331.8	336.4	344.1
47.5°	301.3	299.3	299.5	297.5	299.5	299.3	301.3	302.3	304.7	309.2	313.5
50°	283.9	282.8	282.4	281.6	282.4	282.8	283.9	283.5	286.6	290.7	296.5
52.5°	266.4	265.9	267.3	265.6	267.3	265.9	266.4	267.2	269.3	272.1	277.5
55°	242.9	241.7	244.0	241.7	244.0	241.7	242.9	242.1	242.9	245.5	248.9
57.5°	215.7	214.7	216.7	215.6	216.7	214.7	215.7	215.9	218.2	218.6	221.7
60°	197.9	195.6	196.8	197.2	196.8	195.6	197.9	198.7	199.4	199.9	203.0
62.5°	176.7	175.4	176.2	174.5	176.2	175.4	176.7	178.4	180.2	182.1	183.9
65°	146.9	145.8	144.2	143.5	144.2	145.8	146.9	147.7	151.9	154.2	158.4
67.5°	123.4	120.7	120.6	121.2	120.6	120.7	123.4	123.3	126.3	128.3	131.1
70°	106.2	106.2	105.8	105.8	105.8	106.2	106.2	108.6	110.1	111.6	113.5
72.5°	94.3	94.0	93.3	93.0	93.3	94.0	94.3	95.0	95.9	97.6	99.5
75°	75.9	76.3	75.5	75.2	75.5	76.3	75.9	75.9	77.5	77.9	78.7
77.5°	56.0	54.4	55.3	54.4	55.3	54.4	56.0	57.7	58.2	59.9	59.9
80°	42.6	42.2	43.3	42.2	43.3	42.2	42.6	42.6	43.7	44.5	46.5
82.5°	33.7	33.3	33.8	33.0	33.8	33.3	33.7	33.3	33.9	34.9	34.7
85°	20.3	20.0	19.6	20.0	19.6	20.0	20.3	20.0	19.6	20.0	20.3
87.5°	10.5	10.2	10.4	10.4	10.4	10.2	10.5	10.2	10.2	10.1	9.9
90°	17.4	17.4	18.2	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2
92.5°	54.6	52.7	51.6	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0
95°	228.2	204.5	198.2	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7
97.5°	525.7	481.5	458.6	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6
100°	714.6	657.7	628.5	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2
102.5°	884.5	844.0	812.3	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5
105°	1097.5	1071.5	1055.7	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6
107.5°	1187.1	1186.9	1181.7	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5
110°	1197.8	1212.8	1218.4	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.1	1193.9	1207.6	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0
115°	1095.2	1133.1	1155.2	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0
117.5°	1014.2	1053.3	1075.3	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0
120°	961.7	999.7	1021.0	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2
122.5°	917.6	952.3	973.6	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2
125°	860.7	893.0	910.4	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4
127.5°	817.7	846.3	862.7	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1
130°	791.2	817.3	833.0	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3
132.5°	763.4	789.4	804.0	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5
135°	717.7	743.8	758.0	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0
137.5°	671.1	694.7	707.8	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6
140°	642.0	662.5	674.3	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1
142.5°	614.2	631.6	642.8	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0
145°	576.4	589.9	598.5	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2
147.5°	546.8	557.6	562.7	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1
150°	529.9	539.3	542.5	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4
152.5°	515.3	522.9	526.0	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0
155°	495.8	501.4	503.7	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7
157.5°	478.1	482.6	484.8	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2
160°	466.7	470.6	472.2	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8
162.5°	456.0	459.2	459.6	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8
165°	440.6	442.2	442.2	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2
167.5°	425.8	427.2	426.6	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0
170°	416.9	417.7	417.7	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0
172.5°	408.7	410.1	408.9	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3
175°	398.8	399.5	398.0	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2
177.5°	392.9	393.5	391.6	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.9	899.2	901.0	905.3	911.5	914.5	918.9	921.9	926.2	931.4	935.7
5°	837.8	847.1	853.1	862.7	871.6	880.4	891.5	899.6	910.3	922.6	932.2
7.5°	784.0	795.5	805.7	818.3	832.9	844.2	858.8	873.5	890.4	907.8	924.2
10°	749.6	761.1	773.8	789.5	804.1	819.4	836.7	853.9	875.0	894.6	916.9
12.5°	715.5	728.2	742.5	760.0	777.7	797.3	814.9	834.2	857.0	882.3	906.2
15°	673.3	685.5	700.8	715.8	736.2	757.6	781.0	806.8	832.0	860.5	890.0
17.5°	627.9	641.4	658.3	675.6	697.0	722.2	745.2	773.3	801.7	834.9	869.6
20°	598.4	612.3	632.2	651.4	671.0	695.5	722.8	751.5	781.8	816.7	855.5
22.5°	575.1	584.9	604.6	624.1	647.0	672.2	698.8	728.8	761.8	798.0	838.6
25°	540.5	552.0	566.2	586.5	610.4	636.8	663.7	695.5	731.5	768.4	811.7
27.5°	509.8	519.2	533.2	549.2	572.9	600.4	628.9	662.2	699.1	736.6	782.2
30°	488.0	498.4	511.7	528.7	547.4	577.3	606.5	639.1	676.7	715.5	762.2
32.5°	469.0	479.6	491.2	507.2	527.5	554.0	584.1	616.1	654.3	694.3	739.8
35°	442.3	449.6	460.3	476.1	496.0	517.5	548.2	582.0	619.1	660.6	706.2
37.5°	411.8	421.2	431.9	445.6	463.0	486.3	514.8	549.0	583.5	623.2	664.8
40°	393.9	402.8	414.7	424.6	443.1	464.1	490.3	525.9	560.5	597.6	635.6
42.5°	375.9	384.4	394.5	406.9	423.4	443.9	468.2	501.4	538.4	573.4	605.3
45°	347.6	356.4	366.0	377.5	392.8	412.7	437.0	467.3	499.5	531.7	555.8
47.5°	320.4	328.7	337.8	349.6	363.8	383.0	404.7	431.4	462.7	490.1	507.4
50°	301.1	308.8	318.8	330.3	344.1	362.1	382.8	409.3	435.5	460.3	476.1
52.5°	282.2	290.7	300.6	310.6	323.9	341.8	361.0	383.8	408.7	429.0	442.0
55°	253.6	261.7	270.8	281.1	294.3	309.6	329.9	347.9	367.5	384.8	392.4
57.5°	226.0	233.1	241.8	252.5	264.3	278.5	294.6	311.9	325.8	338.0	346.7
60°	207.9	214.1	222.1	231.4	244.0	257.0	271.6	287.7	298.4	308.8	316.9
62.5°	189.6	195.3	203.1	211.4	222.5	234.6	248.6	261.7	272.1	279.0	288.3
65°	161.9	167.6	174.2	183.0	191.8	201.8	214.4	224.0	231.4	239.0	244.8
67.5°	136.2	141.0	147.1	154.1	161.5	171.1	180.9	188.8	193.9	198.4	205.4
70°	119.3	123.1	128.2	133.5	141.6	151.2	158.9	164.9	168.4	173.0	181.5
72.5°	102.1	106.5	111.3	116.6	123.1	131.2	137.9	144.1	146.3	150.0	155.3
75°	80.6	82.9	86.7	90.5	95.1	102.0	108.6	110.1	112.0	115.1	119.0
77.5°	60.9	63.0	64.5	67.1	70.7	76.2	79.7	82.0	82.5	83.6	87.4
80°	48.4	49.5	51.0	52.9	54.4	59.1	61.0	63.3	64.0	65.2	67.2
82.5°	35.4	36.6	37.6	39.1	41.6	43.4	45.3	47.7	47.8	48.7	49.0
85°	20.7	21.1	20.3	21.1	21.5	22.2	24.1	26.1	25.8	25.3	26.5
87.5°	10.1	9.9	9.3	10.0	9.1	9.3	8.9	8.9	9.2	9.5	10.0
90°	13.4	12.6	11.0	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8
92.5°	206.1	254.6	258.6	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6
95°	684.6	699.6	570.9	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1
97.5°	866.2	747.1	509.8	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2
100°	910.4	713.1	454.8	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2
102.5°	883.9	653.0	413.1	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6
105°	799.1	572.5	372.7	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3
107.5°	712.6	517.1	355.7	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5
110°	663.3	491.1	350.6	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	626.6	475.9	350.6	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5
115°	586.6	459.6	352.9	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5
117.5°	562.8	451.5	358.2	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4
120°	549.6	447.7	363.2	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1
122.5°	538.2	444.5	367.6	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4
125°	522.7	440.6	375.1	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1
127.5°	508.5	438.7	383.4	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2
130°	499.1	437.5	388.5	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4
132.5°	491.5	437.5	394.2	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7
135°	482.4	437.5	401.9	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0
137.5°	474.4	438.4	409.0	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0
140°	470.6	439.0	412.1	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5
142.5°	467.5	439.7	414.0	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3
145°	462.7	439.0	416.2	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6
147.5°	457.8	437.0	416.9	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5
150°	454.0	435.0	416.9	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8
152.5°	449.6	432.5	416.3	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5
155°	442.2	428.0	414.5	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3
157.5°	435.3	423.2	412.5	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7
160°	429.6	420.1	410.6	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6
162.5°	424.4	416.3	408.7	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3
165°	416.9	410.6	405.9	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9
167.5°	409.5	405.1	401.4	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5
170°	405.1	401.9	399.5	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4
172.5°	400.6	398.1	397.0	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9
175°	394.8	394.0	394.0	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8
177.5°	392.2	391.6	391.6	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333534-840

CATALOG NUMBER: S125RDIP-S610D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	939.1	941.9	945.8	950.5	954.1	958.2	960.3	960.3	962.1	966.1	971.3
5°	941.8	951.8	961.4	973.6	983.2	994.3	1002.8	1010.9	1018.1	1027.3	1036.9
7.5°	941.0	957.6	974.8	994.2	1015.5	1032.5	1049.9	1063.6	1077.0	1094.7	1108.6
10°	938.0	959.5	982.8	1007.3	1034.2	1057.6	1078.7	1097.9	1116.3	1135.5	1152.8
12.5°	932.4	959.8	988.4	1017.8	1051.8	1078.5	1105.7	1126.2	1147.6	1168.6	1189.9
15°	924.1	956.3	990.9	1032.0	1073.4	1103.3	1130.1	1156.6	1176.6	1200.3	1220.7
17.5°	907.1	948.6	992.0	1036.8	1076.6	1111.5	1139.5	1164.8	1186.0	1212.1	1239.8
20°	896.9	941.8	987.0	1035.0	1073.0	1108.6	1135.9	1162.0	1188.4	1222.6	1256.4
22.5°	882.8	930.7	978.8	1024.3	1064.4	1098.8	1127.0	1158.9	1193.7	1232.4	1273.2
25°	860.5	910.0	957.6	1000.9	1040.0	1075.3	1113.7	1156.6	1198.8	1249.8	1308.5
27.5°	832.1	879.9	922.3	968.1	1007.0	1051.9	1099.7	1146.3	1207.2	1277.4	1350.7
30°	810.9	856.3	896.6	939.9	984.0	1033.5	1087.2	1142.1	1214.6	1297.0	1384.1
32.5°	786.4	827.4	867.4	909.2	960.1	1014.4	1071.6	1138.6	1225.3	1319.1	1409.3
35°	743.9	780.6	819.4	865.9	919.9	979.0	1051.9	1133.6	1238.3	1339.2	1420.2
37.5°	699.2	728.2	767.2	816.1	875.0	943.4	1026.1	1125.4	1232.9	1323.5	1358.0
40°	664.8	692.1	733.1	784.5	842.8	917.7	1010.5	1112.5	1220.7	1283.5	1280.9
42.5°	630.8	658.3	697.8	749.5	810.3	894.0	989.6	1095.6	1186.9	1210.8	1160.9
45°	578.5	604.2	643.0	695.1	760.3	848.2	948.7	1050.4	1108.6	1070.0	971.0
47.5°	525.2	550.2	586.1	637.2	708.4	800.4	895.4	978.9	987.0	903.8	785.1
50°	490.3	513.6	547.9	602.3	671.4	761.1	852.8	918.4	898.1	796.4	674.0
52.5°	456.2	478.7	510.7	562.1	632.7	720.6	802.4	853.9	806.9	698.8	588.8
55°	405.9	427.4	459.6	506.8	570.8	651.4	723.2	741.9	672.9	563.9	474.9
57.5°	358.1	373.8	405.7	447.4	509.2	580.2	631.6	628.2	552.0	453.9	390.1
60°	326.5	340.6	370.9	409.3	468.0	531.7	567.7	552.4	475.3	394.4	333.0
62.5°	297.0	310.2	335.7	370.9	421.4	476.8	503.0	481.8	409.0	337.9	289.1
65°	252.5	262.1	282.4	315.0	354.5	392.8	416.3	385.2	320.7	267.0	230.1
67.5°	210.8	219.0	237.1	260.5	287.8	314.3	323.8	294.6	244.5	208.3	182.4
70°	183.8	191.5	203.7	225.6	243.6	262.4	267.0	241.0	199.1	171.5	155.3
72.5°	157.9	165.0	175.8	191.2	203.7	214.5	216.7	192.4	160.5	141.4	129.0
75°	120.5	126.6	133.5	139.3	147.3	149.3	148.5	129.7	112.4	99.8	92.8
77.5°	88.6	91.1	95.3	97.6	98.0	97.9	93.9	82.0	73.1	67.9	65.0
80°	68.3	70.2	71.4	72.1	72.5	68.7	64.4	57.2	54.1	51.0	47.6
82.5°	49.6	50.9	52.0	52.2	50.1	46.9	42.9	39.4	37.2	35.6	34.3
85°	26.9	27.3	26.9	24.9	22.2	21.1	20.3	19.6	19.2	18.8	18.8
87.5°	9.8	9.2	8.0	8.6	9.0	8.8	9.1	9.0	9.0	9.1	9.3
90°	1.6	3.1	4.7	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2
92.5°	11.7	18.3	28.1	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0
95°	26.9	33.1	41.8	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7
97.5°	44.2	48.7	57.4	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6
100°	56.9	60.0	68.7	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2
102.5°	69.5	72.0	81.3	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5
105°	89.3	93.2	101.1	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6
107.5°	111.0	114.8	121.3	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5
110°	125.5	128.7	135.8	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	140.1	142.6	149.7	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0
115°	161.1	163.5	170.6	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0
117.5°	180.9	183.4	190.5	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0
120°	193.5	196.6	203.7	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2
122.5°	206.1	208.6	215.7	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2
125°	222.7	226.6	233.7	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4
127.5°	236.6	241.7	250.6	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1
130°	244.8	251.1	261.4	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3
132.5°	251.8	259.3	270.8	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5
135°	262.2	271.7	284.3	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0
137.5°	274.3	283.2	295.8	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6
140°	281.9	291.3	304.0	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1
142.5°	290.1	298.9	311.5	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0
145°	303.2	311.1	322.1	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2
147.5°	316.5	323.3	333.6	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1
150°	325.3	330.8	341.1	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4
152.5°	333.6	338.4	347.4	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0
155°	344.3	349.0	356.9	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7
157.5°	354.6	358.3	365.1	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2
160°	360.8	364.1	369.5	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8
162.5°	366.6	369.7	374.6	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8
165°	374.3	376.7	380.6	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2
167.5°	380.7	382.1	384.4	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0
170°	384.6	385.4	386.9	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0
172.5°	386.5	387.2	388.8	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3
175°	389.3	390.1	390.8	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2
177.5°	391.0	391.0	391.6	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	975.3	975.3	980.6	980.2	983.6	982.4	983.0
5°	1048.4	1054.9	1060.7	1064.5	1070.3	1071.9	1071.1
7.5°	1124.3	1138.7	1145.8	1155.5	1157.2	1162.3	1161.7
10°	1171.1	1185.4	1196.1	1204.6	1208.8	1214.2	1214.6
12.5°	1208.0	1220.0	1229.6	1237.4	1242.5	1244.3	1245.3
15°	1236.8	1250.2	1261.3	1272.4	1279.0	1283.9	1286.7
17.5°	1265.8	1286.5	1306.2	1321.3	1330.3	1338.0	1337.9
20°	1288.2	1312.0	1336.6	1353.8	1371.4	1379.1	1380.3
22.5°	1312.1	1348.5	1380.1	1406.8	1430.1	1438.0	1441.0
25°	1361.8	1409.4	1458.1	1495.7	1522.6	1538.3	1540.7
27.5°	1421.9	1486.3	1537.5	1572.3	1594.6	1606.2	1608.7
30°	1464.3	1523.7	1569.7	1595.9	1606.2	1607.7	1601.9
32.5°	1483.3	1527.7	1546.1	1544.6	1524.3	1510.8	1505.6
35°	1460.1	1450.9	1405.9	1352.2	1311.2	1285.2	1278.2
37.5°	1328.7	1249.3	1166.7	1085.6	1042.4	1020.5	982.7
40°	1199.2	1086.0	1000.1	931.8	883.1	843.9	834.8
42.5°	1053.1	936.2	850.3	791.8	753.0	726.1	714.5
45°	846.3	745.8	674.8	629.9	600.0	580.4	571.6
47.5°	676.8	599.1	547.3	514.1	491.3	474.3	469.6
50°	583.9	521.7	478.0	450.0	432.7	419.7	414.3
52.5°	507.2	457.0	423.3	400.3	384.0	375.8	371.3
55°	418.5	375.2	351.0	332.5	323.4	316.9	313.8
57.5°	342.2	310.9	293.3	280.5	272.1	267.9	266.4
60°	299.6	275.1	258.9	248.9	243.2	237.8	236.3
62.5°	261.9	242.6	230.0	221.4	215.6	213.3	212.4
65°	211.0	198.3	189.1	183.8	179.2	178.3	178.0
67.5°	167.7	160.3	155.4	149.9	148.2	145.5	145.0
70°	143.5	138.5	132.7	130.8	128.9	126.2	126.6
72.5°	121.7	116.7	112.8	110.3	109.6	108.5	109.4
75°	89.0	87.5	85.9	84.0	83.2	83.2	82.9
77.5°	63.5	62.2	60.5	59.4	59.2	57.6	58.2
80°	46.0	44.1	43.3	43.7	42.6	42.2	42.2
82.5°	34.0	33.3	32.6	32.7	32.4	32.1	32.4
85°	18.8	18.4	18.4	18.1	18.1	17.7	17.7
87.5°	9.8	10.2	9.9	9.6	9.6	10.1	10.4
90°	15.0	15.8	17.4	17.4	17.4	18.2	18.2
92.5°	101.6	76.4	64.7	54.6	52.7	51.6	50.4
95°	447.7	350.6	284.3	228.2	204.5	198.2	185.5
97.5°	761.3	666.7	574.5	525.7	481.5	458.6	448.5
100°	932.5	851.2	769.1	714.6	657.7	628.5	615.9
102.5°	1037.4	998.4	942.8	884.5	844.0	812.3	802.8
105°	1096.8	1131.6	1122.9	1097.5	1071.5	1055.7	1046.2
107.5°	1043.9	1133.1	1174.3	1187.1	1186.9	1181.7	1175.4
110°	983.8	1095.2	1162.3	1197.8	1212.8	1218.4	1218.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	924.4	1037.0	1116.2	1168.1	1193.9	1207.6	1213.4
115°	839.4	947.6	1033.6	1095.2	1133.1	1155.2	1165.5
117.5°	780.4	873.6	952.6	1014.2	1053.3	1075.3	1081.6
120°	747.0	833.8	903.3	961.7	999.7	1021.0	1027.2
122.5°	723.0	800.3	865.5	917.6	952.3	973.6	979.3
125°	690.9	759.6	816.5	860.7	893.0	910.4	918.3
127.5°	660.2	724.4	777.6	817.7	846.3	862.7	866.2
130°	638.8	700.3	751.7	791.2	817.3	833.0	837.8
132.5°	618.5	674.5	723.9	763.4	789.4	804.0	809.3
135°	587.4	638.0	683.0	717.7	743.8	758.0	762.8
137.5°	559.7	601.7	639.9	671.1	694.7	707.8	713.1
140°	543.2	579.6	612.7	642.0	662.5	674.3	678.2
142.5°	529.4	560.6	589.4	614.2	631.6	642.8	646.0
145°	511.7	536.1	557.4	576.4	589.9	598.5	601.7
147.5°	497.0	515.7	531.9	546.8	557.6	562.7	564.1
150°	488.8	503.7	518.0	529.9	539.3	542.5	543.2
152.5°	480.6	494.3	505.3	515.3	522.9	526.0	526.8
155°	468.3	479.3	488.0	495.8	501.4	503.7	504.5
157.5°	456.6	465.0	471.9	478.1	482.6	484.8	484.6
160°	447.7	455.7	461.1	466.7	470.6	472.2	471.4
162.5°	440.1	446.8	451.6	456.0	459.2	459.6	459.4
165°	428.8	433.5	437.5	440.6	442.2	442.2	442.2
167.5°	417.7	421.3	424.1	425.8	427.2	426.6	426.4
170°	411.4	413.7	415.4	416.9	417.7	417.7	416.9
172.5°	405.7	407.5	408.4	408.7	410.1	408.9	408.1
175°	397.2	398.8	398.8	398.8	399.5	398.0	397.2
177.5°	393.5	393.5	393.5	392.9	393.5	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6

(END OF REPORT)