

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: P333540-940

Luminaire Tested: **S125RDIP-S610D1035U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333540-940  
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-S610D1035U940-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5451.4 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

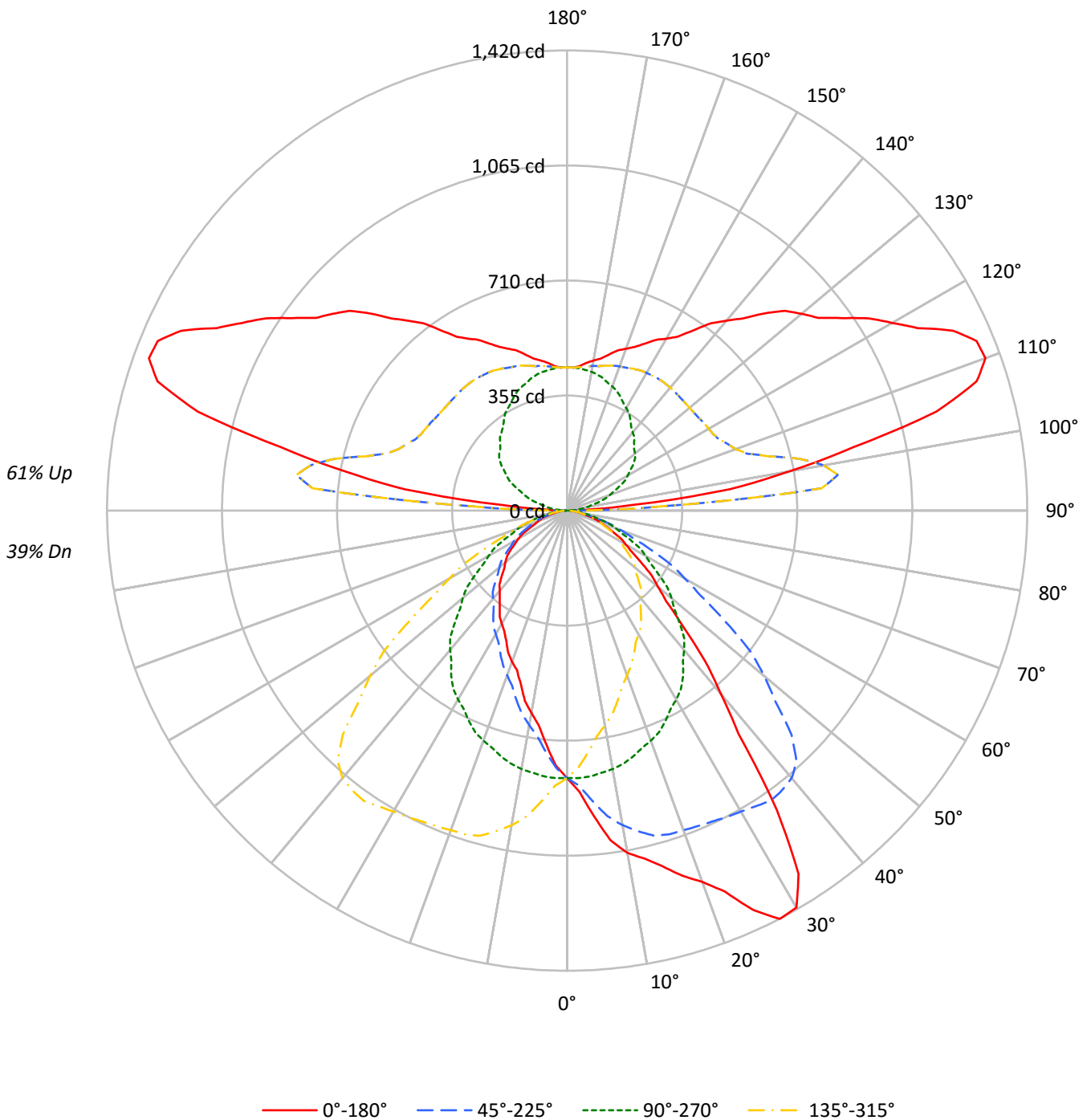
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	88	85	87	83	80	78	68	66	64	54	53	52	41	41	40	34
2	87	80	74	70	79	73	68	64	60	57	54	48	46	43	37	35	34	29
3	80	71	64	58	72	65	59	54	53	49	45	43	40	37	33	31	29	25
4	73	63	55	49	66	57	51	46	47	43	39	38	35	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	31	28	27	24	22	19
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	28	24	22	22	19	17	15
8	53	41	34	28	48	38	31	27	32	26	23	26	22	19	20	18	16	13
9	49	37	30	25	45	34	28	24	29	24	20	24	20	17	19	16	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	17	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5329	5329	5329	5329
5°	6131	5336	4713	5336
10°	7033	5309	4158	5309
15°	7596	5255	3697	5255
20°	8377	5192	3413	5192
25°	9694	5108	3167	5108
30°	10549	5020	3006	5020
35°	8898	4917	2858	4917
40°	6214	4731	2731	4731
45°	4610	4483	2606	4483
50°	3676	4224	2498	4224
55°	3120	3902	2403	3902
60°	2696	3614	2250	3614
65°	2402	3304	1936	3304
70°	2111	3025	1766	3025
75°	1827	2620	1657	2620
80°	1387	2205	1387	2205
85°	1156	1734	1312	1734



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.1	1.5
10°-20°	231.9	4.3
20°-30°	367.7	6.7
30°-40°	443.4	8.1
40°-50°	396.0	7.3
50°-60°	303.6	5.6
60°-70°	197.3	3.6
70°-80°	95.9	1.8
80°-90°	25.4	0.5
90°-100°	320.0	5.9
100°-110°	688.0	12.6
110°-120°	645.7	11.8
120°-130°	523.3	9.6
130°-140°	419.9	7.7
140°-150°	316.9	5.8
150°-160°	223.1	4.1
160°-170°	131.5	2.4
170°-180°	42.8	0.8
0°-30°	678.7	12.5
0°-40°	1122.1	20.6
0°-60°	1821.7	33.4
0°-90°	2140.3	39.3
90°-120°	1653.7	30.3
90°-150°	2913.7	53.4
90°-180°	3311.0	60.7
0°-180°	5451.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	825	825	825	825	825	
5°	946	823	727	823	946	94
15°	1136	786	553	786	1136	326
25°	1360	717	444	717	1360	625
35°	1129	624	362	624	1129	682
45°	505	491	285	491	505	403
55°	277	346	213	346	277	251
65°	157	216	127	216	157	156
75°	73	105	66	105	73	78
85°	16	23	18	23	16	18
90°	20	1	20	1	20	15
95°	209	29	209	29	209	296
105°	1180	101	1180	101	1180	1172
115°	1314	180	1314	180	1314	1284
125°	1035	249	1035	249	1035	937
135°	860	292	860	292	860	666
145°	678	340	678	340	678	431
155°	569	388	569	388	569	265
165°	498	424	498	424	498	143
175°	448	441	448	441	448	44
180°	442	442	442	442	442	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	868.0	867.5	868.5	865.5	865.9	861.2	861.2	857.6	853.1	849.5	847.9
5°	945.7	946.5	945.0	940.0	936.6	931.5	925.8	915.6	907.1	899.0	892.6
7.5°	1025.8	1026.3	1021.8	1020.3	1011.7	1005.5	992.7	978.9	966.6	951.0	939.1
10°	1072.5	1072.1	1067.4	1063.6	1056.1	1046.7	1034.1	1017.9	1002.6	985.7	969.5
12.5°	1099.6	1098.7	1097.2	1092.6	1085.7	1077.3	1066.7	1050.7	1031.9	1013.3	994.4
15°	1136.1	1133.7	1129.4	1123.6	1113.7	1103.9	1092.1	1077.9	1059.9	1038.9	1021.3
17.5°	1181.3	1181.4	1174.7	1166.7	1153.3	1136.0	1117.7	1094.8	1070.3	1047.2	1028.5
20°	1218.8	1217.7	1210.9	1195.4	1180.2	1158.5	1137.5	1109.4	1079.6	1049.4	1026.0
22.5°	1272.4	1269.8	1262.8	1242.2	1218.6	1190.7	1158.6	1124.3	1088.2	1054.0	1023.3
25°	1360.4	1358.3	1344.4	1320.7	1287.5	1244.5	1202.5	1155.4	1103.6	1058.5	1021.3
27.5°	1420.5	1418.3	1408.0	1388.3	1357.6	1312.4	1255.5	1192.7	1127.9	1066.0	1012.2
30°	1414.5	1419.6	1418.3	1409.2	1386.1	1345.4	1293.0	1222.2	1145.2	1072.5	1008.4
32.5°	1329.5	1334.0	1345.9	1363.9	1365.2	1349.0	1309.7	1244.4	1164.8	1081.9	1005.4
35°	1128.6	1134.8	1157.8	1194.0	1241.4	1281.1	1289.2	1254.0	1182.5	1093.4	1000.9
37.5°	867.7	901.1	920.4	958.6	1030.2	1103.1	1173.2	1199.1	1168.7	1088.7	993.7
40°	737.1	745.2	779.8	822.8	883.1	958.9	1058.9	1131.0	1133.4	1077.9	982.3
42.5°	630.9	641.1	664.9	699.2	750.8	826.7	929.9	1025.1	1069.2	1048.0	967.4
45°	504.7	512.5	529.8	556.2	595.8	658.5	747.3	857.4	944.8	978.9	927.5
47.5°	414.6	418.8	433.8	454.0	483.3	529.0	597.6	693.2	798.1	871.6	864.3
50°	365.9	370.6	382.1	397.3	422.0	460.7	515.6	595.1	703.2	793.0	810.9
52.5°	327.9	331.8	339.0	353.5	373.8	403.5	447.8	519.9	617.1	712.5	754.0
55°	277.1	279.8	285.5	293.6	310.0	331.3	369.5	419.4	497.9	594.1	655.1
57.5°	235.2	236.6	240.2	247.7	259.0	274.6	302.2	344.5	400.8	487.4	554.7
60°	208.7	210.0	214.7	219.8	228.6	242.9	264.6	294.0	348.2	419.7	487.8
62.5°	187.5	188.3	190.4	195.5	203.1	214.2	231.2	255.3	298.4	361.1	425.4
65°	157.2	157.5	158.2	162.3	167.0	175.1	186.3	203.2	235.8	283.2	340.1
67.5°	128.0	128.5	130.9	132.3	137.2	141.5	148.1	161.0	184.0	215.9	260.1
70°	111.8	111.5	113.8	115.5	117.2	122.3	126.7	137.1	151.4	175.8	212.8
72.5°	96.6	95.8	96.8	97.4	99.6	103.1	107.5	113.9	124.8	141.7	169.9
75°	73.2	73.5	73.5	74.2	75.9	77.2	78.6	81.9	88.1	99.2	114.5
77.5°	51.4	50.8	52.3	52.4	53.4	54.9	56.1	57.4	59.9	64.6	72.4
80°	37.3	37.3	37.6	38.6	38.3	39.0	40.7	42.0	45.0	47.8	50.5
82.5°	28.6	28.4	28.6	28.9	28.8	29.4	30.1	30.3	31.5	32.8	34.8
85°	15.6	15.6	16.0	16.0	16.2	16.2	16.6	16.6	16.6	16.9	17.3
87.5°	10.1	9.8	9.4	9.4	9.6	9.8	9.4	8.9	8.7	8.6	8.5
90°	20.5	20.5	19.6	19.6	19.6	17.8	16.9	16.1	15.2	14.3	12.5
92.5°	56.8	58.2	59.5	61.6	73.0	86.1	114.5	157.7	232.3	287.0	291.6
95°	209.2	223.5	230.6	257.3	320.5	395.2	504.7	640.1	771.8	788.7	643.6
97.5°	505.6	517.0	542.8	592.7	647.6	751.6	858.3	953.2	976.5	842.3	574.7
100°	694.4	708.6	741.5	805.6	867.0	959.6	1051.3	1094.9	1026.4	803.8	512.7
102.5°	905.1	915.8	951.6	997.2	1062.8	1125.5	1169.5	1142.6	996.5	736.2	465.7
105°	1179.5	1190.2	1208.0	1237.3	1265.8	1275.6	1236.4	1114.5	900.9	645.3	420.2
107.5°	1325.1	1332.2	1338.1	1338.3	1323.8	1277.4	1176.8	1014.1	803.3	582.9	400.9
110°	1373.5	1373.5	1367.3	1350.4	1310.4	1234.7	1109.1	940.0	747.7	553.7	395.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1367.8	1361.5	1345.9	1316.9	1258.4	1169.1	1042.2	881.6	706.4	536.6	395.2
115°	1313.9	1302.3	1277.4	1234.7	1165.2	1068.2	946.3	808.2	661.4	518.1	397.9
117.5°	1219.3	1212.2	1187.5	1143.4	1073.9	984.9	879.9	760.9	634.5	509.0	403.8
120°	1158.2	1151.0	1126.9	1084.2	1018.3	940.0	842.1	735.3	619.6	504.7	409.5
122.5°	1104.0	1097.6	1073.5	1034.4	975.6	902.2	815.0	716.0	606.7	501.1	414.5
125°	1035.3	1026.4	1006.7	970.3	920.4	856.3	778.9	688.1	589.3	496.7	422.8
127.5°	976.5	972.6	954.0	921.9	876.6	816.6	744.4	659.6	573.3	494.5	432.3
130°	944.5	939.1	921.3	892.0	847.5	789.6	720.1	641.9	562.6	493.1	438.0
132.5°	912.4	906.3	890.0	860.6	816.1	760.4	697.3	624.0	554.0	493.1	444.3
135°	859.9	854.5	838.6	809.1	770.0	719.3	662.3	600.8	543.9	493.1	453.1
137.5°	803.8	798.0	783.2	756.4	721.4	678.3	631.0	581.3	534.8	494.2	461.1
140°	764.6	760.2	746.9	723.7	690.8	653.4	612.4	570.6	530.6	494.9	464.7
142.5°	728.3	724.6	711.9	692.4	664.4	632.0	596.7	561.3	527.0	495.6	466.8
145°	678.3	674.8	664.9	649.8	628.5	604.4	576.8	549.2	521.7	494.9	469.1
147.5°	636.0	634.4	628.7	616.5	599.6	581.5	560.3	537.9	516.1	492.6	470.0
150°	612.4	611.5	608.0	597.3	584.0	567.9	551.0	531.5	511.8	490.4	470.0
152.5°	593.9	593.0	589.5	580.9	569.7	557.2	541.7	524.3	506.8	487.7	469.3
155°	568.8	567.9	565.3	559.0	550.1	540.4	527.9	513.6	498.5	482.5	467.3
157.5°	546.4	546.5	544.0	539.0	532.0	524.3	514.7	502.9	490.6	477.2	465.0
160°	531.5	532.4	530.6	526.1	519.9	513.6	504.7	495.8	484.3	473.6	462.9
162.5°	517.9	518.1	517.7	514.0	509.2	503.6	496.1	488.0	478.6	469.3	460.7
165°	498.5	498.5	498.5	496.7	493.1	488.7	483.4	477.2	470.0	462.9	457.5
167.5°	480.7	480.9	481.6	480.0	478.2	475.0	470.9	466.8	461.6	456.6	452.5
170°	470.0	470.9	470.9	470.0	468.2	466.5	463.8	461.1	456.6	453.1	450.4
172.5°	460.0	460.9	462.4	460.7	460.4	459.3	457.4	454.7	451.7	448.8	447.5
175°	447.7	448.6	450.4	449.5	449.5	449.5	447.7	447.7	445.1	444.2	444.2
177.5°	441.5	441.5	443.6	442.9	443.6	443.6	443.6	442.9	442.2	441.5	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	847.9	846.1	842.5	839.3	835.2	831.7	829.2	826.3	822.4	817.9	814.0
5°	885.5	878.0	868.2	859.7	848.9	840.4	831.6	823.1	814.7	803.8	794.3
7.5°	927.0	911.7	896.7	877.9	860.8	845.5	830.9	816.1	801.6	786.2	771.3
10°	952.5	933.9	913.2	889.5	867.8	847.2	828.2	809.6	790.0	772.7	754.0
12.5°	976.3	952.3	928.7	898.8	872.7	847.5	823.3	800.1	779.1	756.7	736.6
15°	997.9	974.2	947.8	911.2	874.9	844.5	816.0	785.9	759.8	734.7	712.4
17.5°	1006.2	981.4	950.7	915.5	875.9	837.6	800.9	767.9	737.2	707.9	682.8
20°	1003.0	978.9	947.4	913.9	871.6	831.6	791.9	755.4	721.1	690.4	663.6
22.5°	995.1	970.3	939.9	904.5	864.2	821.8	779.5	740.5	704.6	672.7	643.5
25°	983.4	949.5	918.3	883.8	845.5	803.5	759.8	716.8	678.5	646.0	614.1
27.5°	971.1	928.8	889.2	854.8	814.4	776.9	734.8	690.7	650.4	617.3	584.7
30°	960.0	912.6	868.9	829.9	791.7	756.1	716.0	673.1	631.8	597.5	564.4
32.5°	946.2	895.7	847.7	802.8	765.9	730.6	694.4	653.3	613.1	577.7	544.0
35°	928.8	864.4	812.3	764.6	723.5	689.3	656.8	623.6	583.3	546.7	513.9
37.5°	906.1	833.0	772.7	720.6	677.4	643.0	617.4	587.0	550.3	515.2	484.7
40°	892.2	810.3	744.2	692.7	647.3	611.1	587.0	561.2	527.7	494.9	464.4
42.5°	873.8	789.4	715.5	661.8	616.2	581.3	557.0	534.5	506.3	475.4	442.7
45°	837.7	748.9	671.4	613.8	567.8	533.5	510.8	490.8	469.5	441.0	412.6
47.5°	790.7	706.8	625.5	562.7	517.5	485.8	463.8	448.0	432.7	408.6	380.9
50°	753.0	672.1	592.8	531.8	483.8	453.5	432.9	420.4	406.4	384.5	361.4
52.5°	708.6	636.3	558.7	496.3	450.9	422.7	402.8	390.3	378.8	360.9	338.9
55°	638.6	575.2	504.0	447.5	405.8	377.4	358.4	346.5	339.7	324.5	307.2
57.5°	557.7	512.3	449.6	395.0	358.2	330.0	316.2	306.1	298.5	287.7	275.4
60°	501.3	469.5	413.2	361.4	327.5	300.8	288.3	279.8	272.7	263.5	254.0
62.5°	444.2	421.0	372.1	327.5	296.4	273.9	262.3	254.6	246.4	240.2	231.0
65°	367.6	346.9	313.0	278.1	249.3	231.4	222.9	216.2	211.1	204.3	197.8
67.5°	285.9	277.5	254.1	230.1	209.4	193.4	186.1	181.4	175.2	171.2	166.7
70°	235.8	231.7	215.1	199.2	179.9	169.1	162.3	160.2	152.8	148.7	145.6
72.5°	191.4	189.4	179.9	168.8	155.2	145.7	139.5	137.1	132.4	129.2	127.2
75°	131.1	131.8	130.1	123.0	117.9	111.8	106.4	105.0	101.7	98.9	97.2
77.5°	82.9	86.4	86.5	86.1	84.2	80.4	78.2	77.1	73.8	72.9	72.4
80°	56.9	60.6	64.0	63.7	63.0	62.0	60.3	59.3	57.6	56.5	55.9
82.5°	37.9	41.4	44.2	46.1	45.9	44.9	43.8	43.2	43.0	42.2	42.1
85°	17.9	18.6	19.6	22.0	23.7	24.1	23.7	23.4	22.4	22.7	23.0
87.5°	8.6	8.2	8.3	7.9	7.3	8.3	8.7	8.8	8.5	8.3	8.1
90°	11.6	9.8	8.9	7.1	5.4	3.6	1.8	0.9	1.8	3.6	5.4
92.5°	203.1	121.6	73.0	47.0	31.7	20.7	13.2	10.9	13.2	20.7	31.7
95°	397.9	202.1	106.8	66.8	47.2	37.4	30.2	29.3	30.2	37.4	47.2
97.5°	317.6	174.2	111.1	82.2	64.6	54.8	49.8	48.8	49.8	54.8	64.6
100°	288.4	172.7	121.1	94.3	77.4	67.7	64.1	62.3	64.1	67.7	77.4
102.5°	276.3	179.1	133.1	107.2	91.7	81.1	78.3	77.3	78.3	81.1	91.7
105°	271.5	192.3	153.1	128.2	114.0	105.0	100.6	100.6	100.6	105.0	114.0
107.5°	279.7	211.9	174.0	151.5	136.7	129.4	125.2	123.4	125.2	129.4	136.7
110°	287.5	226.1	189.6	166.5	153.1	145.1	141.5	139.7	141.5	145.1	153.1





TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	297.5	239.6	204.6	182.1	168.8	160.8	157.9	156.1	157.9	160.8	168.8
115°	312.5	260.8	227.9	205.6	192.3	184.2	181.6	179.9	181.6	184.2	192.3
117.5°	329.6	282.6	251.4	229.9	214.7	206.7	203.8	201.2	203.8	206.7	214.7
120°	340.9	298.2	267.1	244.8	229.7	221.7	218.1	215.4	218.1	221.7	229.7
122.5°	353.7	313.2	282.0	259.8	243.2	235.1	232.3	230.4	232.3	235.1	243.2
125°	371.2	333.0	303.5	280.4	263.5	255.5	251.0	249.2	251.0	255.5	263.5
127.5°	387.2	352.0	323.7	300.5	282.6	272.4	266.7	264.0	266.7	272.4	282.6
130°	397.9	364.1	336.4	313.3	294.6	283.1	276.0	273.3	276.0	283.1	294.6
132.5°	407.2	375.5	347.9	324.8	305.3	292.3	283.7	280.4	283.7	292.3	305.3
135°	420.2	390.7	363.2	339.1	320.5	306.2	295.5	291.9	295.5	306.2	320.5
137.5°	429.8	401.6	376.6	351.8	333.5	319.2	309.2	306.6	309.2	319.2	333.5
140°	436.2	409.5	383.7	359.6	342.7	328.5	317.8	315.1	317.8	328.5	342.7
142.5°	439.7	414.5	390.0	367.5	351.2	337.0	327.1	325.1	327.1	337.0	351.2
145°	445.1	422.8	399.7	379.2	363.2	350.7	341.8	340.0	341.8	350.7	363.2
147.5°	448.3	428.2	407.9	389.9	376.0	364.4	356.8	355.7	356.8	364.4	376.0
150°	450.4	431.8	412.1	397.0	384.6	373.0	366.8	365.0	366.8	373.0	384.6
152.5°	451.8	435.3	417.1	403.4	391.6	381.6	376.0	375.0	376.0	381.6	391.6
155°	453.1	438.8	423.7	411.3	402.3	393.4	388.1	388.1	388.1	393.4	402.3
157.5°	454.0	441.8	428.9	419.5	411.6	403.9	399.7	399.8	399.7	403.9	411.6
160°	454.0	443.3	431.8	423.7	416.6	410.4	406.8	407.7	406.8	410.4	416.6
162.5°	453.3	444.7	434.6	428.0	422.3	416.8	413.2	414.1	413.2	416.8	422.3
165°	452.2	445.1	438.0	432.7	429.1	424.6	422.0	423.7	422.0	424.6	429.1
167.5°	450.0	445.1	439.2	435.9	433.4	430.9	429.3	430.2	429.3	430.9	433.4
170°	448.6	445.1	440.6	438.0	436.2	434.4	433.5	434.4	433.5	434.4	436.2
172.5°	447.2	444.3	440.6	439.3	438.3	436.6	435.7	437.3	435.7	436.6	438.3
175°	445.1	443.3	440.6	440.6	440.6	439.7	438.8	440.6	438.8	439.7	440.6
177.5°	442.9	442.2	440.8	440.8	441.5	440.8	440.8	442.2	440.8	440.8	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	811.4	807.5	804.9	799.4	795.6	794.0	791.0	790.2	793.2	791.0	790.8
5°	787.2	777.4	769.6	761.8	753.3	748.0	739.8	738.4	736.4	733.3	732.7
7.5°	758.3	745.5	735.5	722.6	711.4	702.4	692.2	687.4	684.7	680.8	675.6
10°	738.8	723.5	710.0	697.1	683.2	672.1	661.9	654.1	649.0	644.3	642.2
12.5°	719.5	704.0	686.7	671.1	655.6	643.0	631.8	626.7	621.1	615.5	610.8
15°	689.6	669.0	650.1	632.0	618.8	605.3	594.5	587.0	578.5	576.2	567.0
17.5°	658.0	637.7	615.5	596.6	581.3	566.3	554.5	546.0	539.6	530.8	526.6
20°	638.2	614.1	592.5	575.2	558.2	540.6	528.4	521.3	515.2	508.1	504.7
22.5°	617.1	593.5	571.3	551.1	533.9	516.5	507.8	500.4	493.6	487.0	482.5
25°	586.0	562.3	539.0	517.9	500.0	487.4	477.2	468.8	465.1	458.6	453.9
27.5°	555.4	530.1	505.9	484.9	470.8	458.4	450.1	443.4	436.7	431.1	427.0
30°	535.6	509.8	483.4	466.8	451.8	440.1	430.9	424.5	419.4	414.3	411.3
32.5°	515.8	489.2	465.7	447.8	433.7	423.5	414.1	407.9	402.5	396.9	393.3
35°	484.0	456.9	438.0	420.4	406.4	397.0	390.6	381.7	377.4	373.3	369.5
37.5°	454.6	429.4	408.8	393.4	381.4	371.9	363.6	358.8	353.5	349.8	346.7
40°	432.9	409.8	391.3	375.0	366.1	355.7	347.9	341.8	337.7	333.0	329.6
42.5°	413.4	392.0	373.9	359.3	348.3	339.4	331.9	325.8	320.7	317.3	314.4
45°	385.8	364.4	346.9	333.3	323.2	314.7	306.9	303.8	297.0	293.0	291.7
47.5°	357.3	338.2	321.2	308.7	298.3	290.3	282.9	276.8	273.0	269.0	266.9
50°	338.0	319.8	303.8	291.7	281.5	272.7	265.9	261.8	256.7	253.1	250.3
52.5°	318.8	301.8	286.0	274.3	265.5	256.7	249.1	245.0	240.2	237.8	235.9
55°	291.3	273.4	259.8	248.3	239.2	231.0	223.9	219.8	216.8	214.5	213.7
57.5°	260.1	245.9	233.4	222.9	213.5	205.8	199.6	195.7	193.1	192.7	190.6
60°	239.8	226.9	215.4	204.3	196.1	189.0	183.6	179.2	176.5	176.1	175.5
62.5°	219.5	207.1	196.4	186.6	179.3	172.5	167.4	162.4	160.8	159.1	157.6
65°	189.3	178.2	169.3	161.6	153.8	148.0	142.9	139.9	136.2	134.1	130.5
67.5°	159.7	151.1	142.6	136.1	129.9	124.5	120.3	115.7	113.2	111.6	108.9
70°	140.3	133.5	125.0	117.9	113.2	108.7	105.3	100.2	98.5	97.2	95.9
72.5°	121.8	115.8	108.7	103.0	98.3	94.1	90.2	87.8	86.1	84.7	83.9
75°	95.9	90.1	84.0	79.9	76.6	73.2	71.2	69.5	68.8	68.4	67.1
77.5°	70.4	67.3	62.4	59.2	57.0	55.6	53.8	52.9	52.9	51.4	50.9
80°	53.9	52.2	48.1	46.7	45.0	43.7	42.7	41.0	39.3	38.6	37.6
82.5°	40.0	38.3	36.7	34.5	33.2	32.3	31.3	30.7	30.9	30.0	29.4
85°	21.3	19.6	19.0	18.6	17.9	18.6	18.3	17.9	17.7	17.3	17.7
87.5°	8.2	8.6	8.5	9.4	8.7	9.4	9.5	9.5	9.6	9.8	9.9
90°	7.1	8.9	9.8	11.6	12.5	14.3	15.2	16.1	16.9	17.8	19.6
92.5°	47.0	73.0	121.6	203.1	291.6	287.0	232.3	157.7	114.5	86.1	73.0
95°	66.8	106.8	202.1	397.9	643.6	788.7	771.8	640.1	504.7	395.2	320.5
97.5°	82.2	111.1	174.2	317.6	574.7	842.3	976.5	953.2	858.3	751.6	647.6
100°	94.3	121.1	172.7	288.4	512.7	803.8	1026.4	1094.9	1051.3	959.6	867.0
102.5°	107.2	133.1	179.1	276.3	465.7	736.2	996.5	1142.6	1169.5	1125.5	1062.8
105°	128.2	153.1	192.3	271.5	420.2	645.3	900.9	1114.5	1236.4	1275.6	1265.8
107.5°	151.5	174.0	211.9	279.7	400.9	582.9	803.3	1014.1	1176.8	1277.4	1323.8
110°	166.5	189.6	226.1	287.5	395.2	553.7	747.7	940.0	1109.1	1234.7	1310.4



TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.1	204.6	239.6	297.5	395.2	536.6	706.4	881.6	1042.2	1169.1	1258.4
115°	205.6	227.9	260.8	312.5	397.9	518.1	661.4	808.2	946.3	1068.2	1165.2
117.5°	229.9	251.4	282.6	329.6	403.8	509.0	634.5	760.9	879.9	984.9	1073.9
120°	244.8	267.1	298.2	340.9	409.5	504.7	619.6	735.3	842.1	940.0	1018.3
122.5°	259.8	282.0	313.2	353.7	414.5	501.1	606.7	716.0	815.0	902.2	975.6
125°	280.4	303.5	333.0	371.2	422.8	496.7	589.3	688.1	778.9	856.3	920.4
127.5°	300.5	323.7	352.0	387.2	432.3	494.5	573.3	659.6	744.4	816.6	876.6
130°	313.3	336.4	364.1	397.9	438.0	493.1	562.6	641.9	720.1	789.6	847.5
132.5°	324.8	347.9	375.5	407.2	444.3	493.1	554.0	624.0	697.3	760.4	816.1
135°	339.1	363.2	390.7	420.2	453.1	493.1	543.9	600.8	662.3	719.3	770.0
137.5°	351.8	376.6	401.6	429.8	461.1	494.2	534.8	581.3	631.0	678.3	721.4
140°	359.6	383.7	409.5	436.2	464.7	494.9	530.6	570.6	612.4	653.4	690.8
142.5°	367.5	390.0	414.5	439.7	466.8	495.6	527.0	561.3	596.7	632.0	664.4
145°	379.2	399.7	422.8	445.1	469.1	494.9	521.7	549.2	576.8	604.4	628.5
147.5°	389.9	407.9	428.2	448.3	470.0	492.6	516.1	537.9	560.3	581.5	599.6
150°	397.0	412.1	431.8	450.4	470.0	490.4	511.8	531.5	551.0	567.9	584.0
152.5°	403.4	417.1	435.3	451.8	469.3	487.7	506.8	524.3	541.7	557.2	569.7
155°	411.3	423.7	438.8	453.1	467.3	482.5	498.5	513.6	527.9	540.4	550.1
157.5°	419.5	428.9	441.8	454.0	465.0	477.2	490.6	502.9	514.7	524.3	532.0
160°	423.7	431.8	443.3	454.0	462.9	473.6	484.3	495.8	504.7	513.6	519.9
162.5°	428.0	434.6	444.7	453.3	460.7	469.3	478.6	488.0	496.1	503.6	509.2
165°	432.7	438.0	445.1	452.2	457.5	462.9	470.0	477.2	483.4	488.7	493.1
167.5°	435.9	439.2	445.1	450.0	452.5	456.6	461.6	466.8	470.9	475.0	478.2
170°	438.0	440.6	445.1	448.6	450.4	453.1	456.6	461.1	463.8	466.5	468.2
172.5°	439.3	440.6	444.3	447.2	447.5	448.8	451.7	454.7	457.4	459.3	460.4
175°	440.6	440.6	443.3	445.1	444.2	444.2	445.1	447.7	447.7	449.5	449.5
177.5°	440.8	440.8	442.2	442.9	441.5	441.5	442.2	442.9	443.6	443.6	443.6
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	790.5	787.5	786.7	787.7	786.7	787.5	790.5	790.8	791.0	793.2	790.2
5°	729.3	725.9	727.6	726.9	727.6	725.9	729.3	732.7	733.3	736.4	738.4
7.5°	675.5	671.3	666.8	668.2	666.8	671.3	675.5	675.6	680.8	684.7	687.4
10°	637.8	634.5	632.4	634.1	632.4	634.5	637.8	642.2	644.3	649.0	654.1
12.5°	606.1	604.1	602.4	601.6	602.4	604.1	606.1	610.8	615.5	621.1	626.7
15°	562.9	558.9	557.2	552.9	557.2	558.9	562.9	567.0	576.2	578.5	587.0
17.5°	523.2	521.8	517.5	515.6	517.5	521.8	523.2	526.6	530.8	539.6	546.0
20°	499.6	498.3	493.9	496.6	493.9	498.3	499.6	504.7	508.1	515.2	521.3
22.5°	480.1	477.2	475.7	474.9	475.7	477.2	480.1	482.5	487.0	493.6	500.4
25°	452.5	448.2	446.5	444.4	446.5	448.2	452.5	453.9	458.6	465.1	468.8
27.5°	425.1	422.7	420.4	419.9	420.4	422.7	425.1	427.0	431.1	436.7	443.4
30°	407.2	404.7	403.1	403.1	403.1	404.7	407.2	411.3	414.3	419.4	424.5
32.5°	391.2	389.3	387.6	387.4	387.6	389.3	391.2	393.3	396.9	402.5	407.9
35°	367.8	365.2	364.4	362.5	364.4	365.2	367.8	369.5	373.3	377.4	381.7
37.5°	343.7	341.4	341.3	341.2	341.3	341.4	343.7	346.7	349.8	353.5	358.8
40°	328.2	326.5	326.2	323.9	326.2	326.5	328.2	329.6	333.0	337.7	341.8
42.5°	311.7	310.9	309.7	308.6	309.7	310.9	311.7	314.4	317.3	320.7	325.8
45°	289.3	287.0	287.0	285.3	287.0	287.0	289.3	291.7	293.0	297.0	303.8
47.5°	266.1	264.3	264.5	262.7	264.5	264.3	266.1	266.9	269.0	273.0	276.8
50°	250.7	249.7	249.3	248.6	249.3	249.7	250.7	250.3	253.1	256.7	261.8
52.5°	235.2	234.8	236.0	234.5	236.0	234.8	235.2	235.9	237.8	240.2	245.0
55°	214.5	213.4	215.4	213.4	215.4	213.4	214.5	213.7	214.5	216.8	219.8
57.5°	190.5	189.6	191.4	190.4	191.4	189.6	190.5	190.6	192.7	193.1	195.7
60°	174.8	172.7	173.8	174.2	173.8	172.7	174.8	175.5	176.1	176.5	179.2
62.5°	156.0	154.9	155.6	154.1	155.6	154.9	156.0	157.6	159.1	160.8	162.4
65°	129.7	128.8	127.3	126.7	127.3	128.8	129.7	130.5	134.1	136.2	139.9
67.5°	109.0	106.6	106.5	107.0	106.5	106.6	109.0	108.9	111.6	113.2	115.7
70°	93.8	93.8	93.5	93.5	93.5	93.8	93.8	95.9	97.2	98.5	100.2
72.5°	83.3	83.0	82.4	82.1	82.4	83.0	83.3	83.9	84.7	86.1	87.8
75°	67.1	67.4	66.7	66.4	66.7	67.4	67.1	67.1	68.4	68.8	69.5
77.5°	49.5	48.1	48.9	48.1	48.9	48.1	49.5	50.9	51.4	52.9	52.9
80°	37.6	37.3	38.3	37.3	38.3	37.3	37.6	37.6	38.6	39.3	41.0
82.5°	29.8	29.4	29.9	29.2	29.9	29.4	29.8	29.4	30.0	30.9	30.7
85°	17.9	17.7	17.3	17.7	17.3	17.7	17.9	17.7	17.3	17.7	17.9
87.5°	10.2	9.9	10.1	10.1	10.1	9.9	10.2	9.9	9.8	9.6	9.5
90°	19.6	19.6	20.5	20.5	20.5	19.6	19.6	19.6	17.8	16.9	16.1
92.5°	61.6	59.5	58.2	56.8	58.2	59.5	61.6	73.0	86.1	114.5	157.7
95°	257.3	230.6	223.5	209.2	223.5	230.6	257.3	320.5	395.2	504.7	640.1
97.5°	592.7	542.8	517.0	505.6	517.0	542.8	592.7	647.6	751.6	858.3	953.2
100°	805.6	741.5	708.6	694.4	708.6	741.5	805.6	867.0	959.6	1051.3	1094.9
102.5°	997.2	951.6	915.8	905.1	915.8	951.6	997.2	1062.8	1125.5	1169.5	1142.6
105°	1237.3	1208.0	1190.2	1179.5	1190.2	1208.0	1237.3	1265.8	1275.6	1236.4	1114.5
107.5°	1338.3	1338.1	1332.2	1325.1	1332.2	1338.1	1338.3	1323.8	1277.4	1176.8	1014.1
110°	1350.4	1367.3	1373.5	1373.5	1373.5	1367.3	1350.4	1310.4	1234.7	1109.1	940.0



TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1316.9	1345.9	1361.5	1367.8	1361.5	1345.9	1316.9	1258.4	1169.1	1042.2	881.6
115°	1234.7	1277.4	1302.3	1313.9	1302.3	1277.4	1234.7	1165.2	1068.2	946.3	808.2
117.5°	1143.4	1187.5	1212.2	1219.3	1212.2	1187.5	1143.4	1073.9	984.9	879.9	760.9
120°	1084.2	1126.9	1151.0	1158.2	1151.0	1126.9	1084.2	1018.3	940.0	842.1	735.3
122.5°	1034.4	1073.5	1097.6	1104.0	1097.6	1073.5	1034.4	975.6	902.2	815.0	716.0
125°	970.3	1006.7	1026.4	1035.3	1026.4	1006.7	970.3	920.4	856.3	778.9	688.1
127.5°	921.9	954.0	972.6	976.5	972.6	954.0	921.9	876.6	816.6	744.4	659.6
130°	892.0	921.3	939.1	944.5	939.1	921.3	892.0	847.5	789.6	720.1	641.9
132.5°	860.6	890.0	906.3	912.4	906.3	890.0	860.6	816.1	760.4	697.3	624.0
135°	809.1	838.6	854.5	859.9	854.5	838.6	809.1	770.0	719.3	662.3	600.8
137.5°	756.4	783.2	798.0	803.8	798.0	783.2	756.4	721.4	678.3	631.0	581.3
140°	723.7	746.9	760.2	764.6	760.2	746.9	723.7	690.8	653.4	612.4	570.6
142.5°	692.4	711.9	724.6	728.3	724.6	711.9	692.4	664.4	632.0	596.7	561.3
145°	649.8	664.9	674.8	678.3	674.8	664.9	649.8	628.5	604.4	576.8	549.2
147.5°	616.5	628.7	634.4	636.0	634.4	628.7	616.5	599.6	581.5	560.3	537.9
150°	597.3	608.0	611.5	612.4	611.5	608.0	597.3	584.0	567.9	551.0	531.5
152.5°	580.9	589.5	593.0	593.9	593.0	589.5	580.9	569.7	557.2	541.7	524.3
155°	559.0	565.3	567.9	568.8	567.9	565.3	559.0	550.1	540.4	527.9	513.6
157.5°	539.0	544.0	546.5	546.4	546.5	544.0	539.0	532.0	524.3	514.7	502.9
160°	526.1	530.6	532.4	531.5	532.4	530.6	526.1	519.9	513.6	504.7	495.8
162.5°	514.0	517.7	518.1	517.9	518.1	517.7	514.0	509.2	503.6	496.1	488.0
165°	496.7	498.5	498.5	498.5	498.5	498.5	496.7	493.1	488.7	483.4	477.2
167.5°	480.0	481.6	480.9	480.7	480.9	481.6	480.0	478.2	475.0	470.9	466.8
170°	470.0	470.9	470.9	470.0	470.9	470.9	470.0	468.2	466.5	463.8	461.1
172.5°	460.7	462.4	460.9	460.0	460.9	462.4	460.7	460.4	459.3	457.4	454.7
175°	449.5	450.4	448.6	447.7	448.6	450.4	449.5	449.5	449.5	447.7	447.7
177.5°	442.9	443.6	441.5	441.5	441.5	443.6	442.9	443.6	443.6	443.6	442.9
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	791.0	794.0	795.6	799.4	804.9	807.5	811.4	814.0	817.9	822.4	826.3
5°	739.8	748.0	753.3	761.8	769.6	777.4	787.2	794.3	803.8	814.7	823.1
7.5°	692.2	702.4	711.4	722.6	735.5	745.5	758.3	771.3	786.2	801.6	816.1
10°	661.9	672.1	683.2	697.1	710.0	723.5	738.8	754.0	772.7	790.0	809.6
12.5°	631.8	643.0	655.6	671.1	686.7	704.0	719.5	736.6	756.7	779.1	800.1
15°	594.5	605.3	618.8	632.0	650.1	669.0	689.6	712.4	734.7	759.8	785.9
17.5°	554.5	566.3	581.3	596.6	615.5	637.7	658.0	682.8	707.9	737.2	767.9
20°	528.4	540.6	558.2	575.2	592.5	614.1	638.2	663.6	690.4	721.1	755.4
22.5°	507.8	516.5	533.9	551.1	571.3	593.5	617.1	643.5	672.7	704.6	740.5
25°	477.2	487.4	500.0	517.9	539.0	562.3	586.0	614.1	646.0	678.5	716.8
27.5°	450.1	458.4	470.8	484.9	505.9	530.1	555.4	584.7	617.3	650.4	690.7
30°	430.9	440.1	451.8	466.8	483.4	509.8	535.6	564.4	597.5	631.8	673.1
32.5°	414.1	423.5	433.7	447.8	465.7	489.2	515.8	544.0	577.7	613.1	653.3
35°	390.6	397.0	406.4	420.4	438.0	456.9	484.0	513.9	546.7	583.3	623.6
37.5°	363.6	371.9	381.4	393.4	408.8	429.4	454.6	484.7	515.2	550.3	587.0
40°	347.9	355.7	366.1	375.0	391.3	409.8	432.9	464.4	494.9	527.7	561.2
42.5°	331.9	339.4	348.3	359.3	373.9	392.0	413.4	442.7	475.4	506.3	534.5
45°	306.9	314.7	323.2	333.3	346.9	364.4	385.8	412.6	441.0	469.5	490.8
47.5°	282.9	290.3	298.3	308.7	321.2	338.2	357.3	380.9	408.6	432.7	448.0
50°	265.9	272.7	281.5	291.7	303.8	319.8	338.0	361.4	384.5	406.4	420.4
52.5°	249.1	256.7	265.5	274.3	286.0	301.8	318.8	338.9	360.9	378.8	390.3
55°	223.9	231.0	239.2	248.3	259.8	273.4	291.3	307.2	324.5	339.7	346.5
57.5°	199.6	205.8	213.5	222.9	233.4	245.9	260.1	275.4	287.7	298.5	306.1
60°	183.6	189.0	196.1	204.3	215.4	226.9	239.8	254.0	263.5	272.7	279.8
62.5°	167.4	172.5	179.3	186.6	196.4	207.1	219.5	231.0	240.2	246.4	254.6
65°	142.9	148.0	153.8	161.6	169.3	178.2	189.3	197.8	204.3	211.1	216.2
67.5°	120.3	124.5	129.9	136.1	142.6	151.1	159.7	166.7	171.2	175.2	181.4
70°	105.3	108.7	113.2	117.9	125.0	133.5	140.3	145.6	148.7	152.8	160.2
72.5°	90.2	94.1	98.3	103.0	108.7	115.8	121.8	127.2	129.2	132.4	137.1
75°	71.2	73.2	76.6	79.9	84.0	90.1	95.9	97.2	98.9	101.7	105.0
77.5°	53.8	55.6	57.0	59.2	62.4	67.3	70.4	72.4	72.9	73.8	77.1
80°	42.7	43.7	45.0	46.7	48.1	52.2	53.9	55.9	56.5	57.6	59.3
82.5°	31.3	32.3	33.2	34.5	36.7	38.3	40.0	42.1	42.2	43.0	43.2
85°	18.3	18.6	17.9	18.6	19.0	19.6	21.3	23.0	22.7	22.4	23.4
87.5°	9.5	9.4	8.7	9.4	8.5	8.6	8.2	8.1	8.3	8.5	8.8
90°	15.2	14.3	12.5	11.6	9.8	8.9	7.1	5.4	3.6	1.8	0.9
92.5°	232.3	287.0	291.6	203.1	121.6	73.0	47.0	31.7	20.7	13.2	10.9
95°	771.8	788.7	643.6	397.9	202.1	106.8	66.8	47.2	37.4	30.2	29.3
97.5°	976.5	842.3	574.7	317.6	174.2	111.1	82.2	64.6	54.8	49.8	48.8
100°	1026.4	803.8	512.7	288.4	172.7	121.1	94.3	77.4	67.7	64.1	62.3
102.5°	996.5	736.2	465.7	276.3	179.1	133.1	107.2	91.7	81.1	78.3	77.3
105°	900.9	645.3	420.2	271.5	192.3	153.1	128.2	114.0	105.0	100.6	100.6
107.5°	803.3	582.9	400.9	279.7	211.9	174.0	151.5	136.7	129.4	125.2	123.4
110°	747.7	553.7	395.2	287.5	226.1	189.6	166.5	153.1	145.1	141.5	139.7



TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	706.4	536.6	395.2	297.5	239.6	204.6	182.1	168.8	160.8	157.9	156.1
115°	661.4	518.1	397.9	312.5	260.8	227.9	205.6	192.3	184.2	181.6	179.9
117.5°	634.5	509.0	403.8	329.6	282.6	251.4	229.9	214.7	206.7	203.8	201.2
120°	619.6	504.7	409.5	340.9	298.2	267.1	244.8	229.7	221.7	218.1	215.4
122.5°	606.7	501.1	414.5	353.7	313.2	282.0	259.8	243.2	235.1	232.3	230.4
125°	589.3	496.7	422.8	371.2	333.0	303.5	280.4	263.5	255.5	251.0	249.2
127.5°	573.3	494.5	432.3	387.2	352.0	323.7	300.5	282.6	272.4	266.7	264.0
130°	562.6	493.1	438.0	397.9	364.1	336.4	313.3	294.6	283.1	276.0	273.3
132.5°	554.0	493.1	444.3	407.2	375.5	347.9	324.8	305.3	292.3	283.7	280.4
135°	543.9	493.1	453.1	420.2	390.7	363.2	339.1	320.5	306.2	295.5	291.9
137.5°	534.8	494.2	461.1	429.8	401.6	376.6	351.8	333.5	319.2	309.2	306.6
140°	530.6	494.9	464.7	436.2	409.5	383.7	359.6	342.7	328.5	317.8	315.1
142.5°	527.0	495.6	466.8	439.7	414.5	390.0	367.5	351.2	337.0	327.1	325.1
145°	521.7	494.9	469.1	445.1	422.8	399.7	379.2	363.2	350.7	341.8	340.0
147.5°	516.1	492.6	470.0	448.3	428.2	407.9	389.9	376.0	364.4	356.8	355.7
150°	511.8	490.4	470.0	450.4	431.8	412.1	397.0	384.6	373.0	366.8	365.0
152.5°	506.8	487.7	469.3	451.8	435.3	417.1	403.4	391.6	381.6	376.0	375.0
155°	498.5	482.5	467.3	453.1	438.8	423.7	411.3	402.3	393.4	388.1	388.1
157.5°	490.6	477.2	465.0	454.0	441.8	428.9	419.5	411.6	403.9	399.7	399.8
160°	484.3	473.6	462.9	454.0	443.3	431.8	423.7	416.6	410.4	406.8	407.7
162.5°	478.6	469.3	460.7	453.3	444.7	434.6	428.0	422.3	416.8	413.2	414.1
165°	470.0	462.9	457.5	452.2	445.1	438.0	432.7	429.1	424.6	422.0	423.7
167.5°	461.6	456.6	452.5	450.0	445.1	439.2	435.9	433.4	430.9	429.3	430.2
170°	456.6	453.1	450.4	448.6	445.1	440.6	438.0	436.2	434.4	433.5	434.4
172.5°	451.7	448.8	447.5	447.2	444.3	440.6	439.3	438.3	436.6	435.7	437.3
175°	445.1	444.2	444.2	445.1	443.3	440.6	440.6	440.6	439.7	438.8	440.6
177.5°	442.2	441.5	441.5	442.9	442.2	440.8	440.8	441.5	440.8	440.8	442.2
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333540-940

CATALOG NUMBER: S125RDIP-S610D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	829.2	831.7	835.2	839.3	842.5	846.1	847.9	847.9	849.5	853.1	857.6
5°	831.6	840.4	848.9	859.7	868.2	878.0	885.5	892.6	899.0	907.1	915.6
7.5°	830.9	845.5	860.8	877.9	896.7	911.7	927.0	939.1	951.0	966.6	978.9
10°	828.2	847.2	867.8	889.5	913.2	933.9	952.5	969.5	985.7	1002.6	1017.9
12.5°	823.3	847.5	872.7	898.8	928.7	952.3	976.3	994.4	1013.3	1031.9	1050.7
15°	816.0	844.5	874.9	911.2	947.8	974.2	997.9	1021.3	1038.9	1059.9	1077.9
17.5°	800.9	837.6	875.9	915.5	950.7	981.4	1006.2	1028.5	1047.2	1070.3	1094.8
20°	791.9	831.6	871.6	913.9	947.4	978.9	1003.0	1026.0	1049.4	1079.6	1109.4
22.5°	779.5	821.8	864.2	904.5	939.9	970.3	995.1	1023.3	1054.0	1088.2	1124.3
25°	759.8	803.5	845.5	883.8	918.3	949.5	983.4	1021.3	1058.5	1103.6	1155.4
27.5°	734.8	776.9	814.4	854.8	889.2	928.8	971.1	1012.2	1066.0	1127.9	1192.7
30°	716.0	756.1	791.7	829.9	868.9	912.6	960.0	1008.4	1072.5	1145.2	1222.2
32.5°	694.4	730.6	765.9	802.8	847.7	895.7	946.2	1005.4	1081.9	1164.8	1244.4
35°	656.8	689.3	723.5	764.6	812.3	864.4	928.8	1000.9	1093.4	1182.5	1254.0
37.5°	617.4	643.0	677.4	720.6	772.7	833.0	906.1	993.7	1088.7	1168.7	1199.1
40°	587.0	611.1	647.3	692.7	744.2	810.3	892.2	982.3	1077.9	1133.4	1131.0
42.5°	557.0	581.3	616.2	661.8	715.5	789.4	873.8	967.4	1048.0	1069.2	1025.1
45°	510.8	533.5	567.8	613.8	671.4	748.9	837.7	927.5	978.9	944.8	857.4
47.5°	463.8	485.8	517.5	562.7	625.5	706.8	790.7	864.3	871.6	798.1	693.2
50°	432.9	453.5	483.8	531.8	592.8	672.1	753.0	810.9	793.0	703.2	595.1
52.5°	402.8	422.7	450.9	496.3	558.7	636.3	708.6	754.0	712.5	617.1	519.9
55°	358.4	377.4	405.8	447.5	504.0	575.2	638.6	655.1	594.1	497.9	419.4
57.5°	316.2	330.0	358.2	395.0	449.6	512.3	557.7	554.7	487.4	400.8	344.5
60°	288.3	300.8	327.5	361.4	413.2	469.5	501.3	487.8	419.7	348.2	294.0
62.5°	262.3	273.9	296.4	327.5	372.1	421.0	444.2	425.4	361.1	298.4	255.3
65°	222.9	231.4	249.3	278.1	313.0	346.9	367.6	340.1	283.2	235.8	203.2
67.5°	186.1	193.4	209.4	230.1	254.1	277.5	285.9	260.1	215.9	184.0	161.0
70°	162.3	169.1	179.9	199.2	215.1	231.7	235.8	212.8	175.8	151.4	137.1
72.5°	139.5	145.7	155.2	168.8	179.9	189.4	191.4	169.9	141.7	124.8	113.9
75°	106.4	111.8	117.9	123.0	130.1	131.8	131.1	114.5	99.2	88.1	81.9
77.5°	78.2	80.4	84.2	86.1	86.5	86.4	82.9	72.4	64.6	59.9	57.4
80°	60.3	62.0	63.0	63.7	64.0	60.6	56.9	50.5	47.8	45.0	42.0
82.5°	43.8	44.9	45.9	46.1	44.2	41.4	37.9	34.8	32.8	31.5	30.3
85°	23.7	24.1	23.7	22.0	19.6	18.6	17.9	17.3	16.9	16.6	16.6
87.5°	8.7	8.3	7.3	7.9	8.3	8.2	8.6	8.5	8.6	8.7	8.9
90°	1.8	3.6	5.4	7.1	8.9	9.8	11.6	12.5	14.3	15.2	16.1
92.5°	13.2	20.7	31.7	47.0	73.0	121.6	203.1	291.6	287.0	232.3	157.7
95°	30.2	37.4	47.2	66.8	106.8	202.1	397.9	643.6	788.7	771.8	640.1
97.5°	49.8	54.8	64.6	82.2	111.1	174.2	317.6	574.7	842.3	976.5	953.2
100°	64.1	67.7	77.4	94.3	121.1	172.7	288.4	512.7	803.8	1026.4	1094.9
102.5°	78.3	81.1	91.7	107.2	133.1	179.1	276.3	465.7	736.2	996.5	1142.6
105°	100.6	105.0	114.0	128.2	153.1	192.3	271.5	420.2	645.3	900.9	1114.5
107.5°	125.2	129.4	136.7	151.5	174.0	211.9	279.7	400.9	582.9	803.3	1014.1
110°	141.5	145.1	153.1	166.5	189.6	226.1	287.5	395.2	553.7	747.7	940.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	157.9	160.8	168.8	182.1	204.6	239.6	297.5	395.2	536.6	706.4	881.6
115°	181.6	184.2	192.3	205.6	227.9	260.8	312.5	397.9	518.1	661.4	808.2
117.5°	203.8	206.7	214.7	229.9	251.4	282.6	329.6	403.8	509.0	634.5	760.9
120°	218.1	221.7	229.7	244.8	267.1	298.2	340.9	409.5	504.7	619.6	735.3
122.5°	232.3	235.1	243.2	259.8	282.0	313.2	353.7	414.5	501.1	606.7	716.0
125°	251.0	255.5	263.5	280.4	303.5	333.0	371.2	422.8	496.7	589.3	688.1
127.5°	266.7	272.4	282.6	300.5	323.7	352.0	387.2	432.3	494.5	573.3	659.6
130°	276.0	283.1	294.6	313.3	336.4	364.1	397.9	438.0	493.1	562.6	641.9
132.5°	283.7	292.3	305.3	324.8	347.9	375.5	407.2	444.3	493.1	554.0	624.0
135°	295.5	306.2	320.5	339.1	363.2	390.7	420.2	453.1	493.1	543.9	600.8
137.5°	309.2	319.2	333.5	351.8	376.6	401.6	429.8	461.1	494.2	534.8	581.3
140°	317.8	328.5	342.7	359.6	383.7	409.5	436.2	464.7	494.9	530.6	570.6
142.5°	327.1	337.0	351.2	367.5	390.0	414.5	439.7	466.8	495.6	527.0	561.3
145°	341.8	350.7	363.2	379.2	399.7	422.8	445.1	469.1	494.9	521.7	549.2
147.5°	356.8	364.4	376.0	389.9	407.9	428.2	448.3	470.0	492.6	516.1	537.9
150°	366.8	373.0	384.6	397.0	412.1	431.8	450.4	470.0	490.4	511.8	531.5
152.5°	376.0	381.6	391.6	403.4	417.1	435.3	451.8	469.3	487.7	506.8	524.3
155°	388.1	393.4	402.3	411.3	423.7	438.8	453.1	467.3	482.5	498.5	513.6
157.5°	399.7	403.9	411.6	419.5	428.9	441.8	454.0	465.0	477.2	490.6	502.9
160°	406.8	410.4	416.6	423.7	431.8	443.3	454.0	462.9	473.6	484.3	495.8
162.5°	413.2	416.8	422.3	428.0	434.6	444.7	453.3	460.7	469.3	478.6	488.0
165°	422.0	424.6	429.1	432.7	438.0	445.1	452.2	457.5	462.9	470.0	477.2
167.5°	429.3	430.9	433.4	435.9	439.2	445.1	450.0	452.5	456.6	461.6	466.8
170°	433.5	434.4	436.2	438.0	440.6	445.1	448.6	450.4	453.1	456.6	461.1
172.5°	435.7	436.6	438.3	439.3	440.6	444.3	447.2	447.5	448.8	451.7	454.7
175°	438.8	439.7	440.6	440.6	440.6	443.3	445.1	444.2	444.2	445.1	447.7
177.5°	440.8	440.8	441.5	440.8	440.8	442.2	442.9	441.5	441.5	442.2	442.9
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	861.2	861.2	865.9	865.5	868.5	867.5	868.0
5°	925.8	931.5	936.6	940.0	945.0	946.5	945.7
7.5°	992.7	1005.5	1011.7	1020.3	1021.8	1026.3	1025.8
10°	1034.1	1046.7	1056.1	1063.6	1067.4	1072.1	1072.5
12.5°	1066.7	1077.3	1085.7	1092.6	1097.2	1098.7	1099.6
15°	1092.1	1103.9	1113.7	1123.6	1129.4	1133.7	1136.1
17.5°	1117.7	1136.0	1153.3	1166.7	1174.7	1181.4	1181.3
20°	1137.5	1158.5	1180.2	1195.4	1210.9	1217.7	1218.8
22.5°	1158.6	1190.7	1218.6	1242.2	1262.8	1269.8	1272.4
25°	1202.5	1244.5	1287.5	1320.7	1344.4	1358.3	1360.4
27.5°	1255.5	1312.4	1357.6	1388.3	1408.0	1418.3	1420.5
30°	1293.0	1345.4	1386.1	1409.2	1418.3	1419.6	1414.5
32.5°	1309.7	1349.0	1365.2	1363.9	1345.9	1334.0	1329.5
35°	1289.2	1281.1	1241.4	1194.0	1157.8	1134.8	1128.6
37.5°	1173.2	1103.1	1030.2	958.6	920.4	901.1	867.7
40°	1058.9	958.9	883.1	822.8	779.8	745.2	737.1
42.5°	929.9	826.7	750.8	699.2	664.9	641.1	630.9
45°	747.3	658.5	595.8	556.2	529.8	512.5	504.7
47.5°	597.6	529.0	483.3	454.0	433.8	418.8	414.6
50°	515.6	460.7	422.0	397.3	382.1	370.6	365.9
52.5°	447.8	403.5	373.8	353.5	339.0	331.8	327.9
55°	369.5	331.3	310.0	293.6	285.5	279.8	277.1
57.5°	302.2	274.6	259.0	247.7	240.2	236.6	235.2
60°	264.6	242.9	228.6	219.8	214.7	210.0	208.7
62.5°	231.2	214.2	203.1	195.5	190.4	188.3	187.5
65°	186.3	175.1	167.0	162.3	158.2	157.5	157.2
67.5°	148.1	141.5	137.2	132.3	130.9	128.5	128.0
70°	126.7	122.3	117.2	115.5	113.8	111.5	111.8
72.5°	107.5	103.1	99.6	97.4	96.8	95.8	96.6
75°	78.6	77.2	75.9	74.2	73.5	73.5	73.2
77.5°	56.1	54.9	53.4	52.4	52.3	50.8	51.4
80°	40.7	39.0	38.3	38.6	37.6	37.3	37.3
82.5°	30.1	29.4	28.8	28.9	28.6	28.4	28.6
85°	16.6	16.2	16.2	16.0	16.0	15.6	15.6
87.5°	9.4	9.8	9.6	9.4	9.4	9.8	10.1
90°	16.9	17.8	19.6	19.6	19.6	20.5	20.5
92.5°	114.5	86.1	73.0	61.6	59.5	58.2	56.8
95°	504.7	395.2	320.5	257.3	230.6	223.5	209.2
97.5°	858.3	751.6	647.6	592.7	542.8	517.0	505.6
100°	1051.3	959.6	867.0	805.6	741.5	708.6	694.4
102.5°	1169.5	1125.5	1062.8	997.2	951.6	915.8	905.1
105°	1236.4	1275.6	1265.8	1237.3	1208.0	1190.2	1179.5
107.5°	1176.8	1277.4	1323.8	1338.3	1338.1	1332.2	1325.1
110°	1109.1	1234.7	1310.4	1350.4	1367.3	1373.5	1373.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1042.2	1169.1	1258.4	1316.9	1345.9	1361.5	1367.8
115°	946.3	1068.2	1165.2	1234.7	1277.4	1302.3	1313.9
117.5°	879.9	984.9	1073.9	1143.4	1187.5	1212.2	1219.3
120°	842.1	940.0	1018.3	1084.2	1126.9	1151.0	1158.2
122.5°	815.0	902.2	975.6	1034.4	1073.5	1097.6	1104.0
125°	778.9	856.3	920.4	970.3	1006.7	1026.4	1035.3
127.5°	744.4	816.6	876.6	921.9	954.0	972.6	976.5
130°	720.1	789.6	847.5	892.0	921.3	939.1	944.5
132.5°	697.3	760.4	816.1	860.6	890.0	906.3	912.4
135°	662.3	719.3	770.0	809.1	838.6	854.5	859.9
137.5°	631.0	678.3	721.4	756.4	783.2	798.0	803.8
140°	612.4	653.4	690.8	723.7	746.9	760.2	764.6
142.5°	596.7	632.0	664.4	692.4	711.9	724.6	728.3
145°	576.8	604.4	628.5	649.8	664.9	674.8	678.3
147.5°	560.3	581.5	599.6	616.5	628.7	634.4	636.0
150°	551.0	567.9	584.0	597.3	608.0	611.5	612.4
152.5°	541.7	557.2	569.7	580.9	589.5	593.0	593.9
155°	527.9	540.4	550.1	559.0	565.3	567.9	568.8
157.5°	514.7	524.3	532.0	539.0	544.0	546.5	546.4
160°	504.7	513.6	519.9	526.1	530.6	532.4	531.5
162.5°	496.1	503.6	509.2	514.0	517.7	518.1	517.9
165°	483.4	488.7	493.1	496.7	498.5	498.5	498.5
167.5°	470.9	475.0	478.2	480.0	481.6	480.9	480.7
170°	463.8	466.5	468.2	470.0	470.9	470.9	470.0
172.5°	457.4	459.3	460.4	460.7	462.4	460.9	460.0
175°	447.7	449.5	449.5	449.5	450.4	448.6	447.7
177.5°	443.6	443.6	443.6	442.9	443.6	441.5	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5

(END OF REPORT)